

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010903.D
 Acq On : 16 Jul 2019 11:16
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:12 AM

Quant Time: Jul 17 04:35:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:02:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	227694	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342298	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	319937	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171880	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	233997	107.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	215.10%	
35) Dibromofluoromethane	5.50	113	211597	100.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.72%	
50) Toluene-d8	8.71	98	793859	99.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.18%	
62) 4-Bromofluorobenzene	11.13	95	307729	105.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	248997	143.792	ug/l	98
3) Chloromethane	1.33	50	219935	115.959	ug/l	99
4) Vinyl Chloride	1.41	62	225742	108.985	ug/l	100
5) Bromomethane	1.64	94	117910	114.867	ug/l	100
6) Chloroethane	1.71	64	137644	111.660	ug/l	97
7) Trichlorofluoromethane	1.92	101	377490	114.930	ug/l	99
8) Diethyl Ether	2.19	74	121208	104.387	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	207446	105.472	ug/l	100
10) Methyl Iodide	2.51	142	307087	110.976	ug/l	99
11) Tert butyl alcohol	3.06	59	269120	482.528	ug/l	99
12) 1,1-Dichloroethene	2.37	96	208142	104.418	ug/l	99
13) Acrolein	2.29	56	157845	433.397	ug/l	99
14) Allyl chloride	2.73	41	310509	109.975	ug/l	99
15) Acrylonitrile	3.15	53	577795	521.550	ug/l	100
16) Acetone	2.45	43	537624	505.700	ug/l	100
17) Carbon Disulfide	2.57	76	560184	105.410	ug/l	100
18) Methyl Acetate	2.78	43	238642	110.176	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	664831	106.429	ug/l	100
20) Methylene Chloride	2.85	84	225296	101.668	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	217232	101.792	ug/l	98
22) Diisopropyl ether	3.86	45	635878	107.609	ug/l	91
23) Vinyl Acetate	3.82	43	2848891	558.862	ug/l	100
24) 1,1-Dichloroethane	3.70	63	363205	106.522	ug/l	99
25) 2-Butanone	4.68	43	824415	526.743	ug/l	100
26) 2,2-Dichloropropane	4.58	77	312057	105.761	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	251208	102.508	ug/l	98
28) Bromochloromethane	5.02	49	165285	101.521	ug/l	100
29) Tetrahydrofuran	5.13	42	510529	523.922	ug/l	100
30) Chloroform	5.21	83	390685	106.353	ug/l	98
31) Cyclohexane	5.58	56	334560	107.401	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	356264	109.833	ug/l	100
36) 1,1-Dichloropropene	5.80	75	289906	105.780	ug/l	99
37) Ethyl Acetate	4.84	43	308315	109.651	ug/l	99
38) Carbon Tetrachloride	5.79	117	317744	108.025	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	375706	104.662	ug/l	99
40) Benzene	6.14	78	870414	102.619	ug/l	99
41) Methacrylonitrile	5.04	41	165411	107.795	ug/l	97
42) 1,2-Dichloroethane	6.20	62	301883	115.256	ug/l	99
43) Isopropyl Acetate	6.45	43	501856	108.261	ug/l	99
44) Trichloroethene	7.21	130	256236	101.186	ug/l	97
45) 1,2-Dichloropropane	7.51	63	217130	101.279	ug/l	100
46) Dibromomethane	7.66	93	162518	105.590	ug/l	99
47) Bromodichloromethane	7.90	83	305591	108.887	ug/l	99
48) Methyl methacrylate	7.77	41	246243	113.951	ug/l	98
49) 1,4-Dioxane	7.74	88	126898	2041.204	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1639292	550.634	ug/l	100
52) Toluene	8.79	92	572343	102.528	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	346665	110.425	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	368179	107.596	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	240875	104.894	ug/l	98
56) Ethyl methacrylate	9.18	69	379121	108.975	ug/l	99
57) 1,3-Dichloropropane	9.37	76	376555	105.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	878620	533.586	ug/l	100
59) 2-Hexanone	9.49	43	1273233	543.371	ug/l	100
60) Dibromochloromethane	9.58	129	275523	107.862	ug/l	100
61) 1,2-Dibromoethane	9.67	107	263654	106.223	ug/l	100
64) Tetrachloroethene	9.34	164	234798	91.108	ug/l	97
65) Chlorobenzene	10.14	112	652973	100.739	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	246573	104.481	ug/l	99
67) Ethyl Benzene	10.25	91	1140580	103.648	ug/l	99
68) m/p-Xylenes	10.36	106	873004	205.241	ug/l	100
69) o-Xylene	10.70	106	428856	102.399	ug/l	99
70) Styrene	10.71	104	751860	107.086	ug/l	100
71) Bromoform	10.85	173	221151	109.609	ug/l #	99
73) Isopropylbenzene	11.02	105	1165327	100.209	ug/l	99
74) N-amyl acetate	10.90	43	471958	107.206	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	374685	97.400	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	308710m	98.751	ug/l	
77) Bromobenzene	11.26	156	314041	96.911	ug/l	98
78) n-propylbenzene	11.36	91	1317305	102.981	ug/l	99
79) 2-Chlorotoluene	11.42	91	779605	102.202	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	992122	103.195	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	129105	99.423	ug/l	98
82) 4-Chlorotoluene	11.51	91	913057	105.069	ug/l	99
83) tert-Butylbenzene	11.77	119	976880	101.513	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	998201	103.515	ug/l	100
85) sec-Butylbenzene	11.94	105	1149992	101.770	ug/l	100
86) p-Isopropyltoluene	12.06	119	1076027	102.932	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	560714	98.961	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	560887	97.110	ug/l	99
89) n-Butylbenzene	12.38	91	950116	106.783	ug/l	100
90) Hexachloroethane	12.60	117	183705	103.675	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	543909	96.529	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	87424	104.938	ug/l	99

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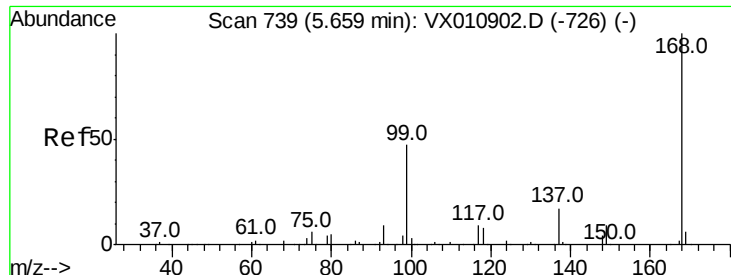
Manual Integrations
APPROVED

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7/17/2019 10:45:12 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	389004	99.905	ug/l	99
94) Hexachlorobutadiene	13.78	225	185108	97.446	ug/l	99
95) Naphthalene	13.83	128	1186657	99.816	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	385779	99.871	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:168 Resp: 227694

Ion Ratio Lower Upper

168 100

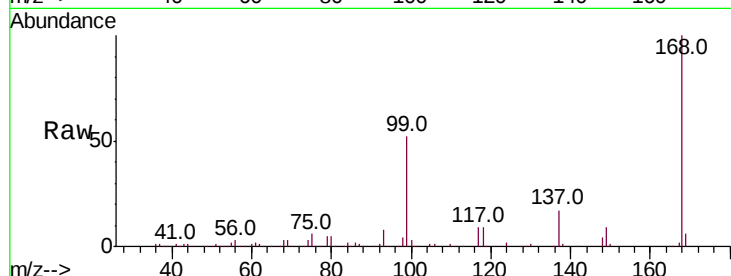
99 51.4 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

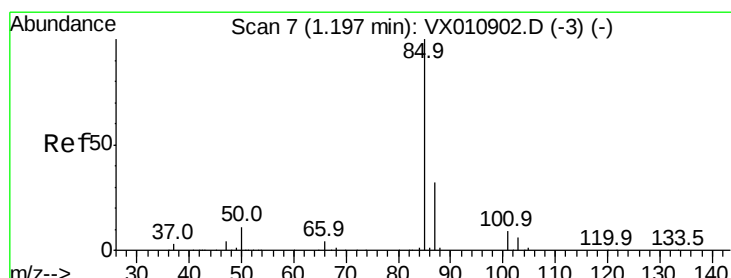
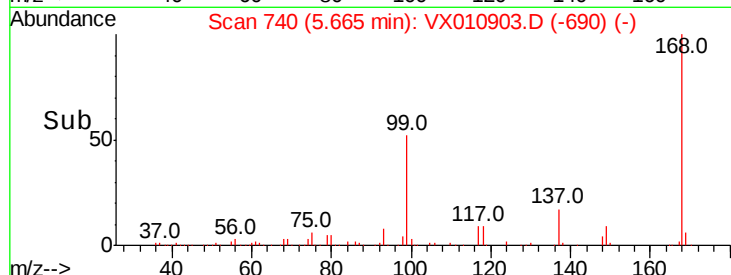
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 143.792 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010903.D

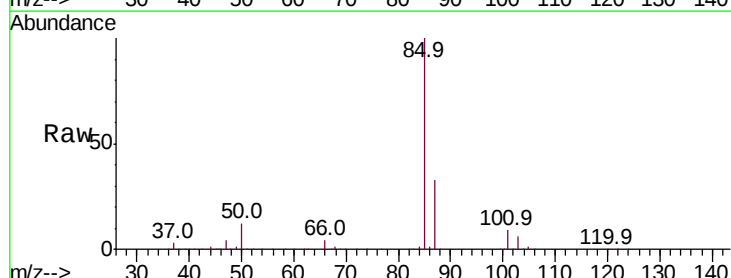
Acq: 16 Jul 2019 11:16

Tgt Ion: 85 Resp: 248997

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

250000

200000

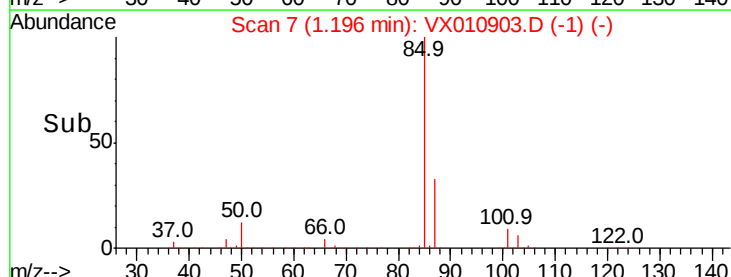
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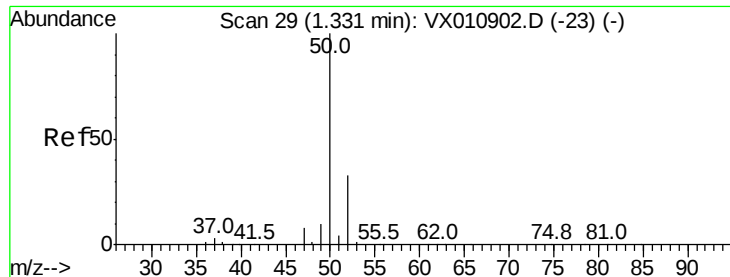
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50000

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Time-->





#3

Chloromethane

Concen: 115.959 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 219935

Ion Ratio Lower Upper

50 100

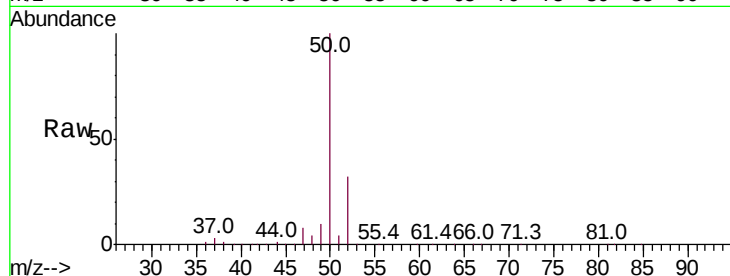
52 32.2 26.4 39.6

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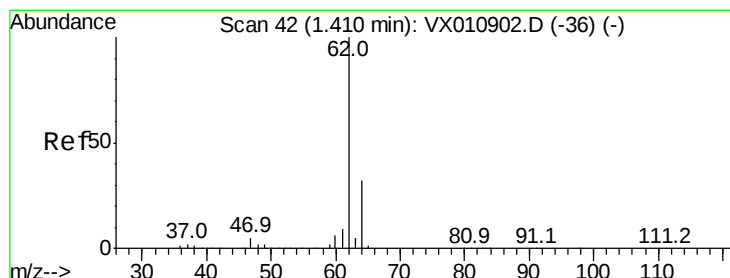
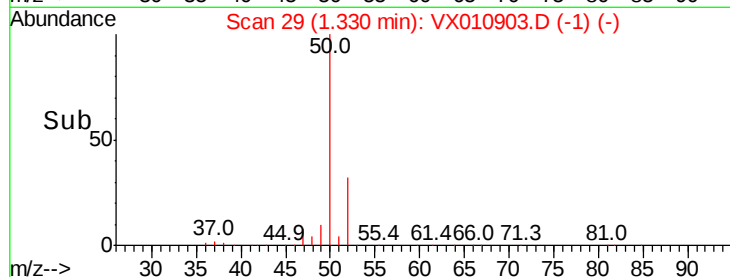
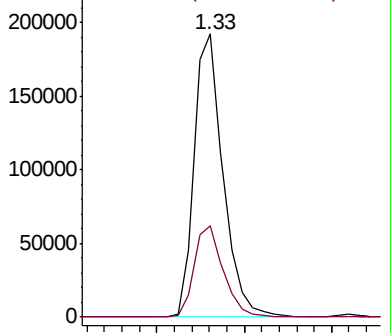
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 108.985 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010903.D

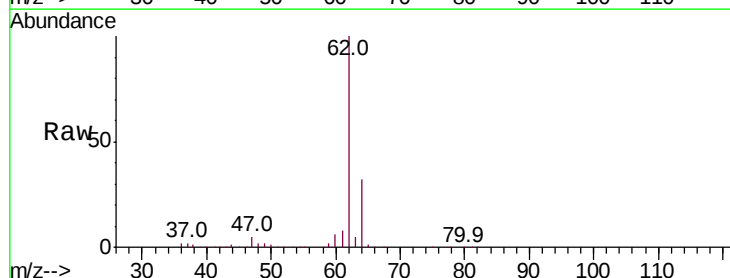
Acq: 16 Jul 2019 11:16

Tgt Ion: 62 Resp: 225742

Ion Ratio Lower Upper

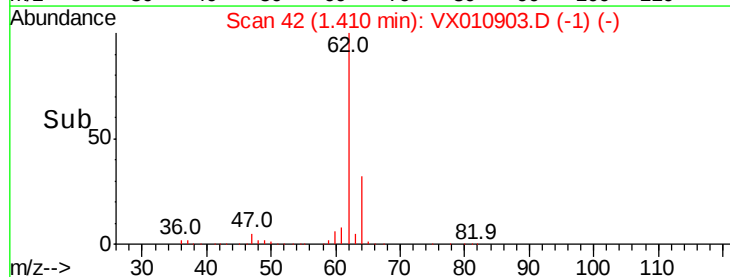
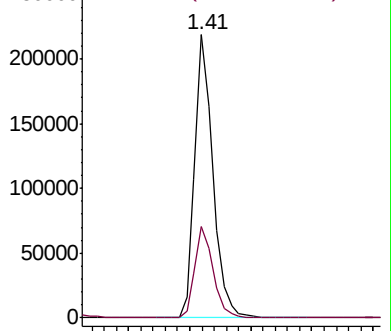
62 100

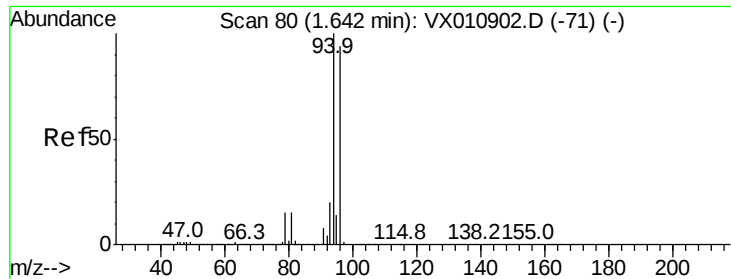
64 32.0 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 114.867 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 117910

Ion Ratio Lower Upper

94 100

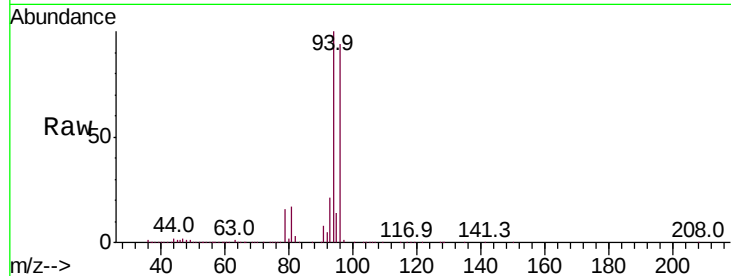
96 94.5 75.6 113.4

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

120000

100000

80000

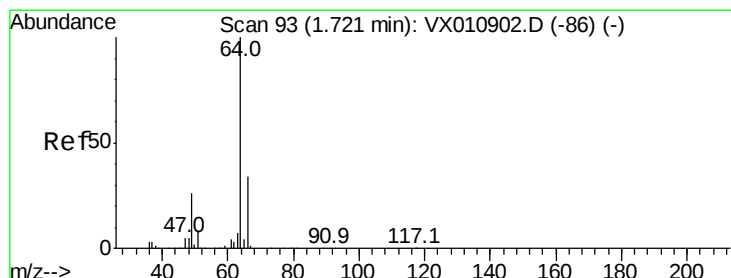
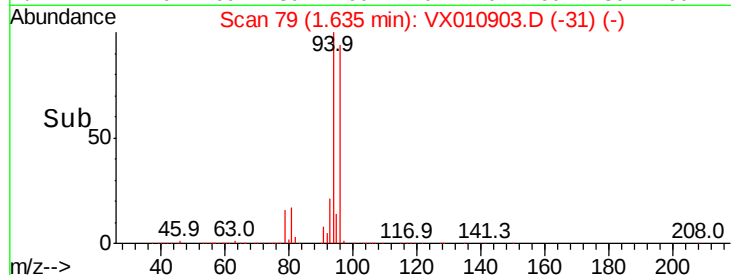
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 111.660 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX010903.D

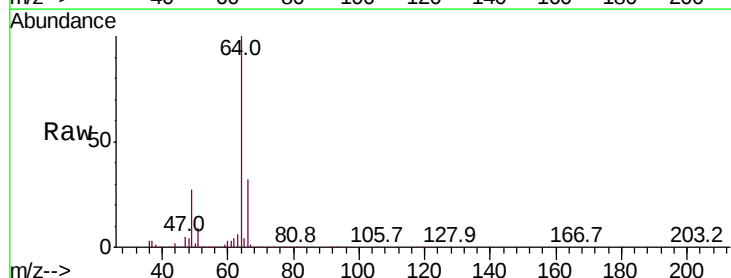
Acq: 16 Jul 2019 11:16

Tgt Ion: 64 Resp: 137644

Ion Ratio Lower Upper

64 100

66 31.9 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

120000

100000

80000

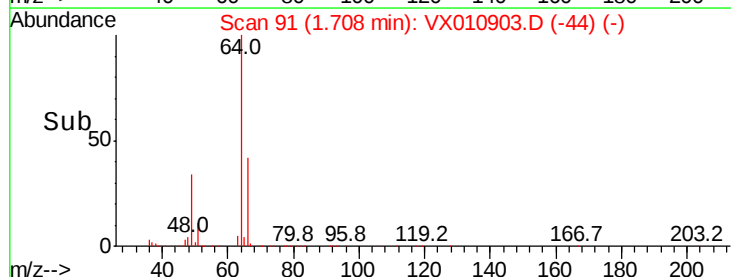
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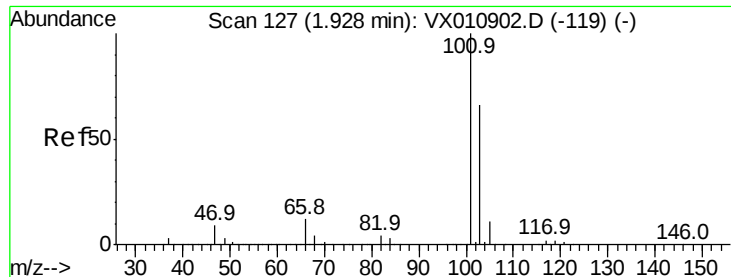
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Time-->





#7

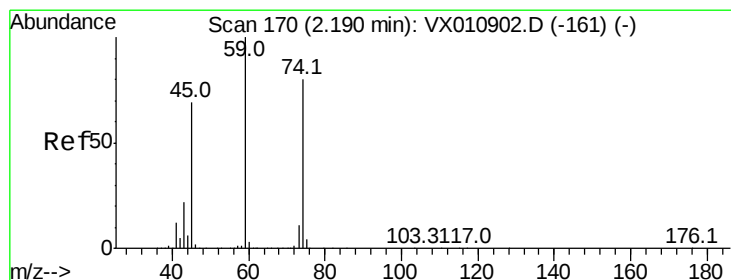
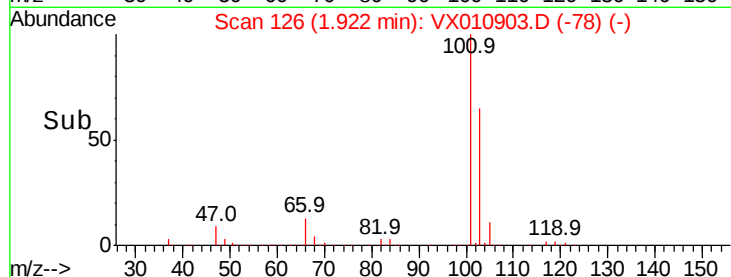
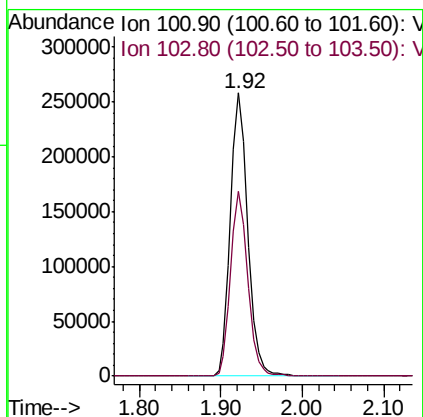
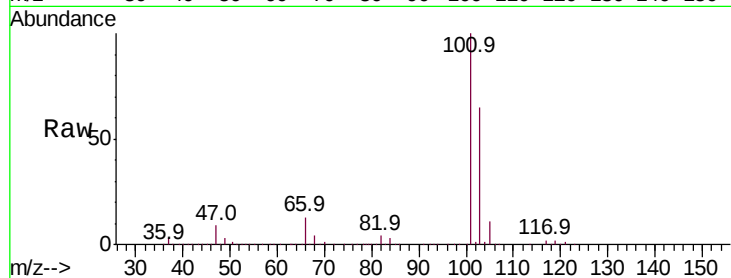
Trichlorofluoromethane
Concen: 114.930 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 377490
Ion Ratio Lower Upper
101 100
103 65.1 52.6 78.8

Manual Integrations
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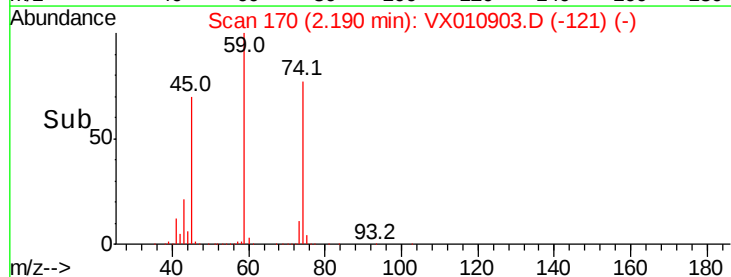
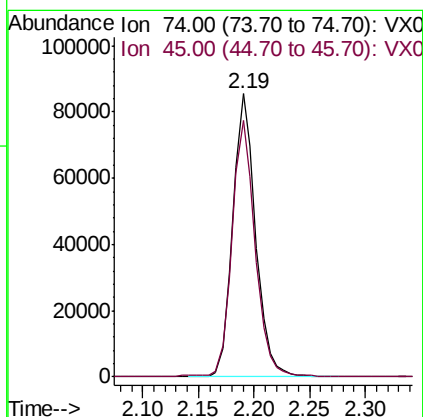
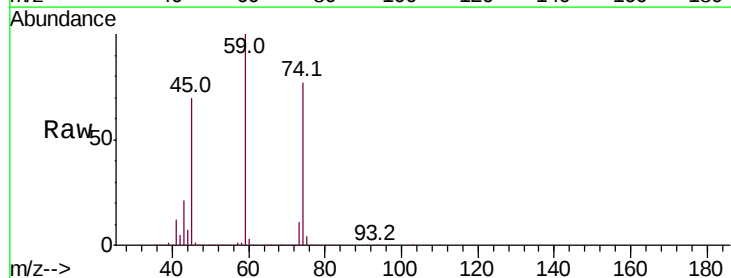
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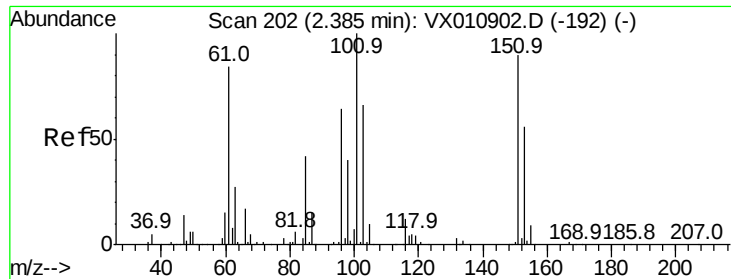


#8

Diethyl Ether
Concen: 104.387 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion: 74 Resp: 121208
Ion Ratio Lower Upper
74 100
45 92.1 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.472 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

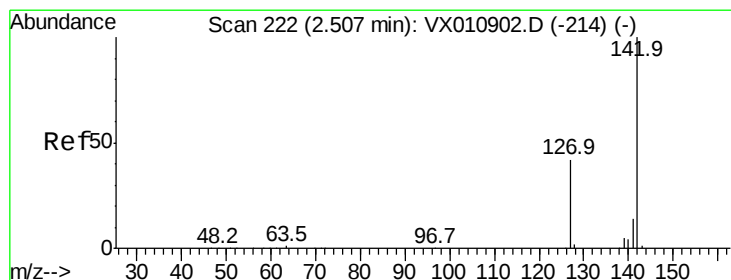
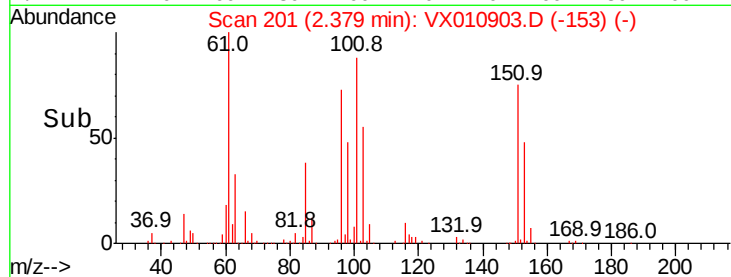
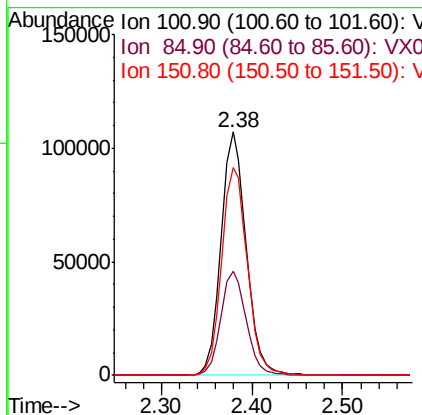
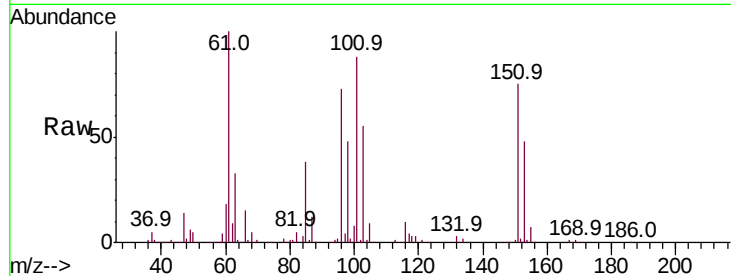
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	207446
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.6	52.0
151	87.1	69.6	104.4

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#10

Methyl Iodide

Concen: 110.976 ug/l

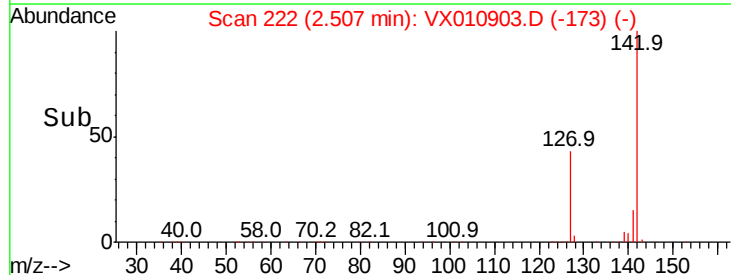
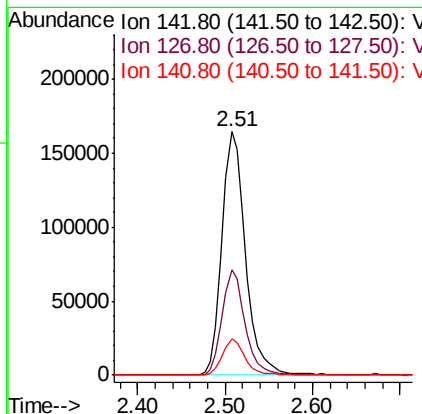
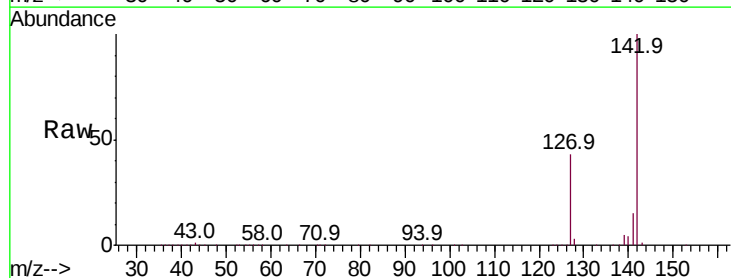
RT: 2.51 min Scan# 222

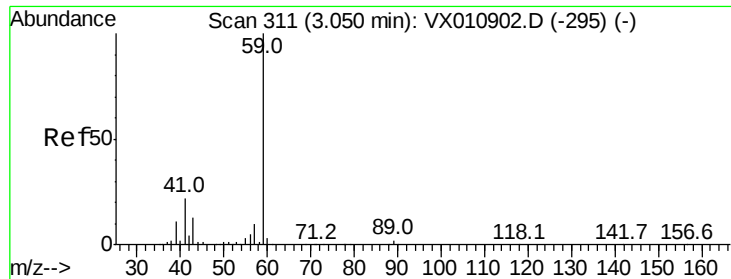
Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion:	142	Resp:	307087
Ion Ratio	Lower	Upper	
142	100		
127	42.4	34.2	51.4
141	14.2	11.7	17.5





#11

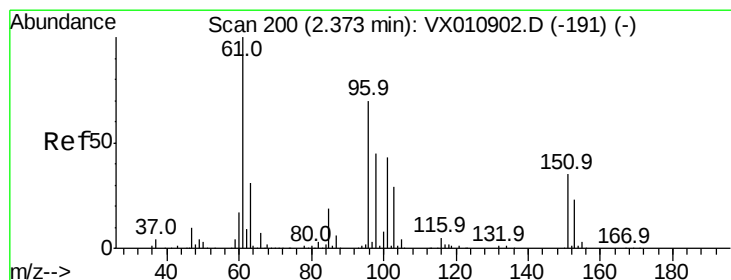
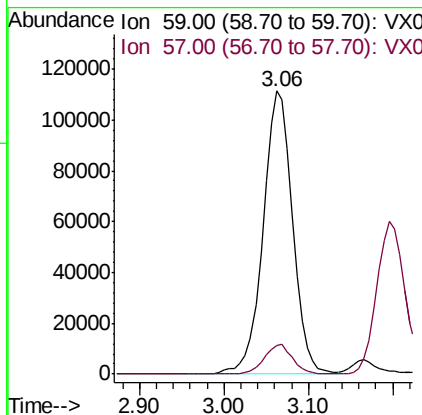
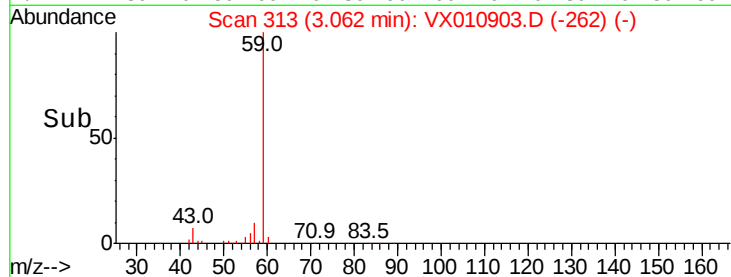
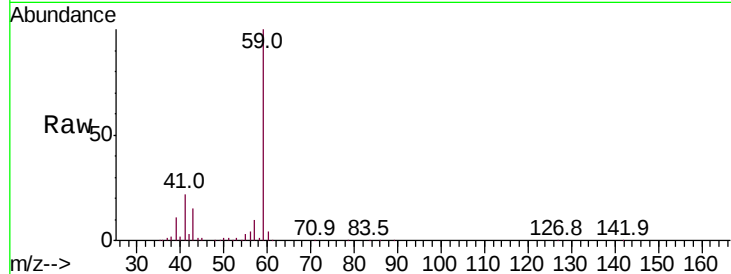
Tert butyl alcohol
Concen: 482.528 ug/l
RT: 3.06 min Scan# 313
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	7.9	11.9

Manual Integrations
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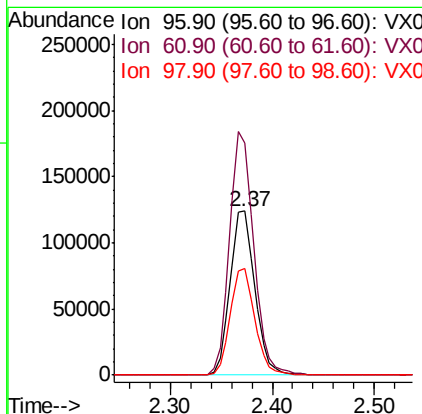
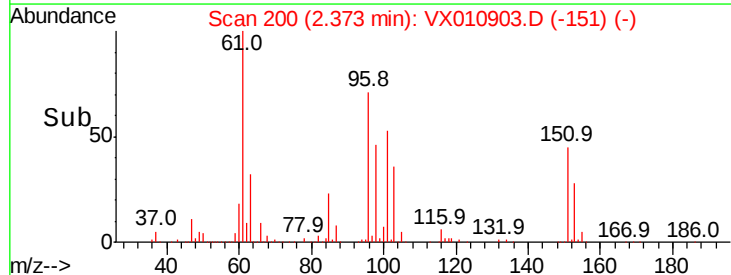
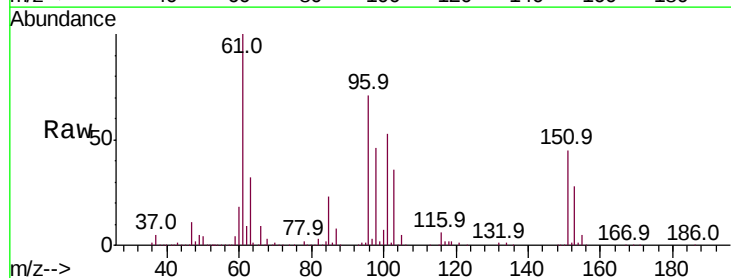
MMDadoda
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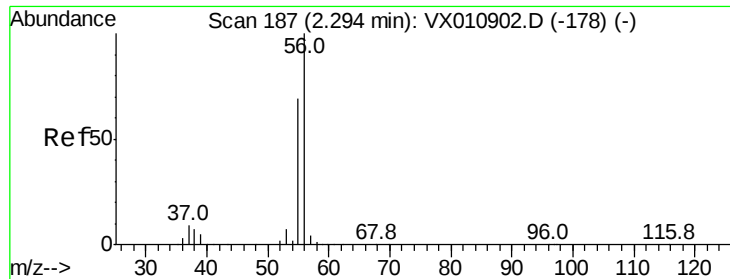


#12

1,1-Dichloroethene
Concen: 104.418 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.5	115.0	172.4
98	65.0	52.2	78.2





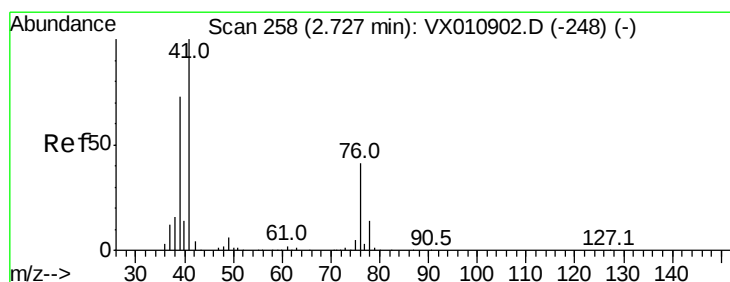
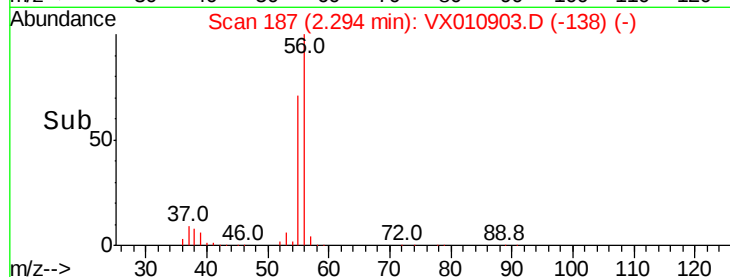
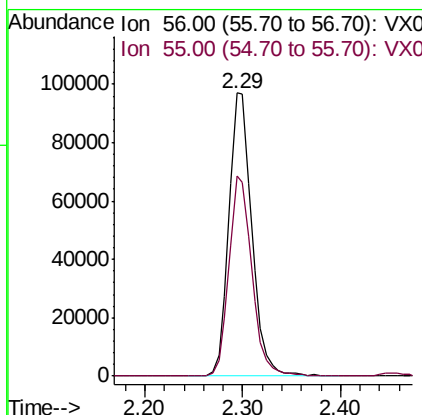
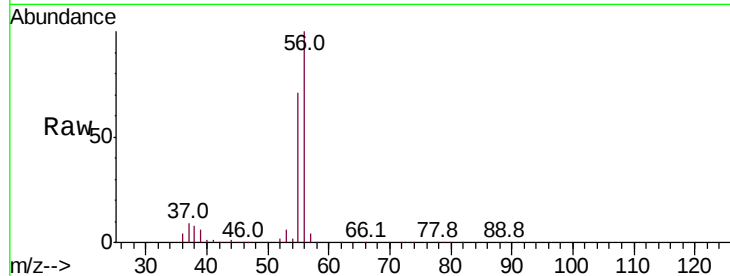
#13
Acrolein
Concen: 433.397 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.9	83.9

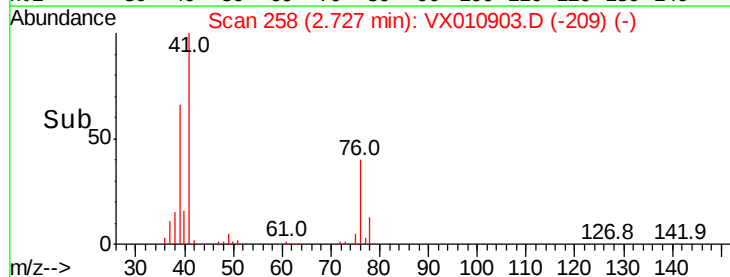
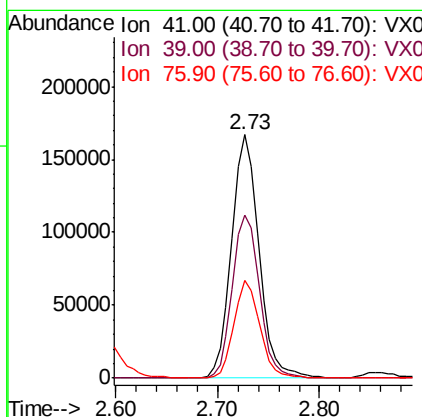
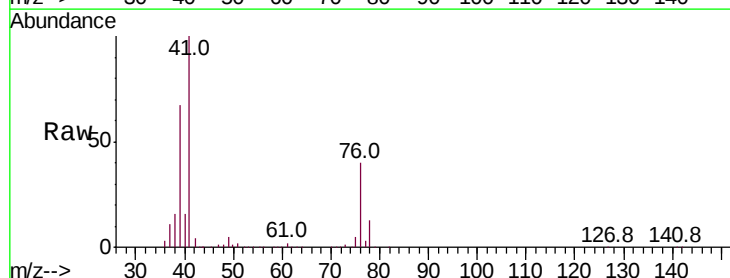
Manual Integrations
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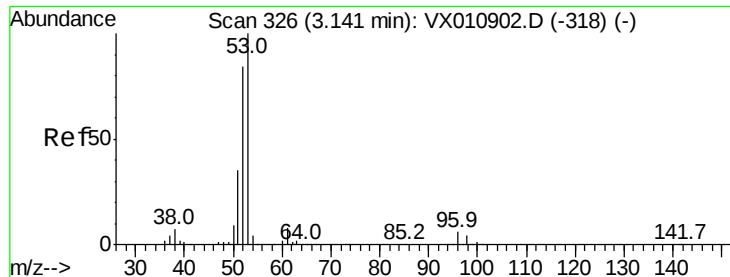
MMDadoda
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#14
Allyl chloride
Concen: 109.975 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.4	53.6	80.4
76	37.7	29.7	44.5





#15

Acrylonitrile

Concen: 521.550 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

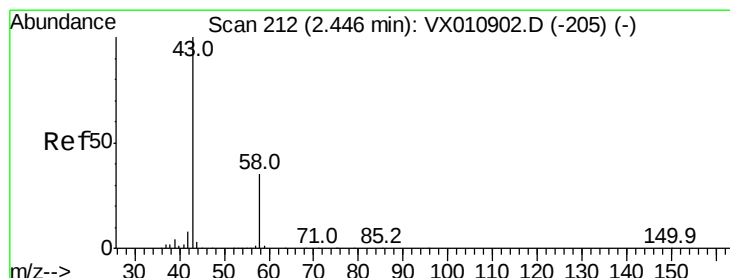
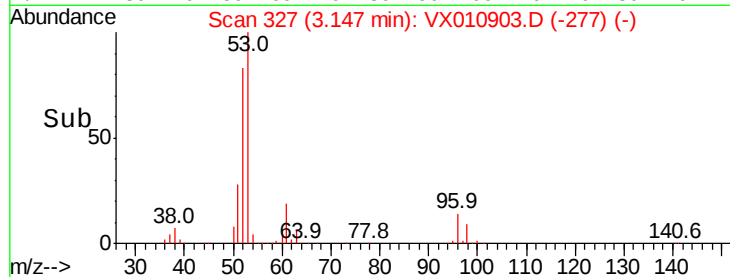
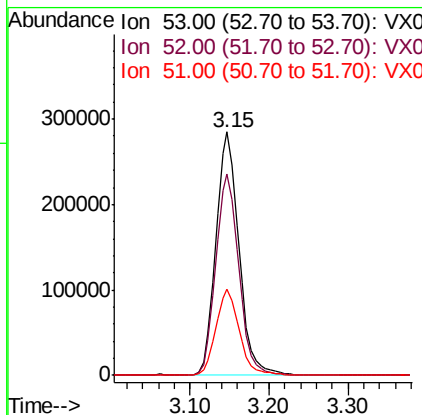
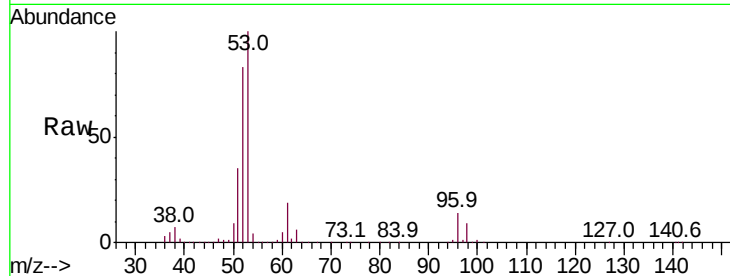
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	577795
Ion Ratio	Lower	Upper	
53	100		
52	83.0	66.5	99.7
51	36.1	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 505.700 ug/l

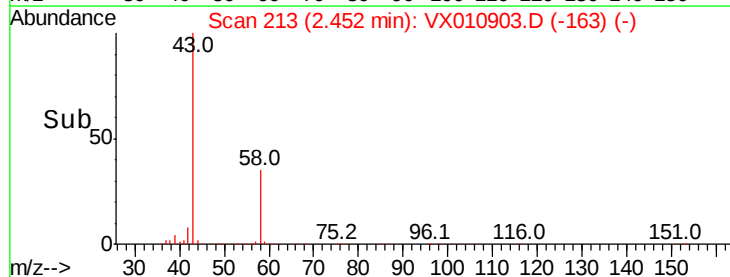
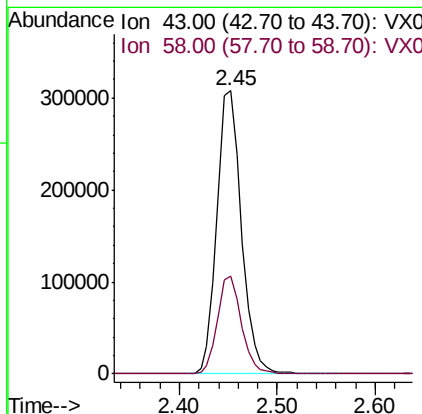
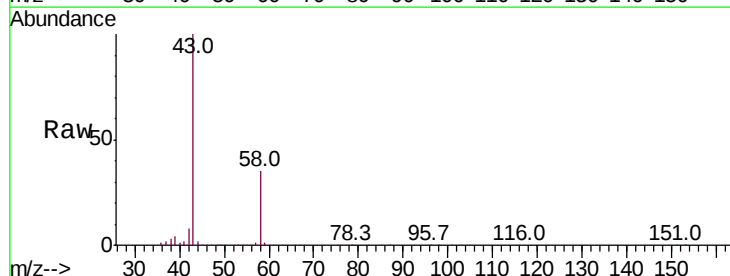
RT: 2.45 min Scan# 213

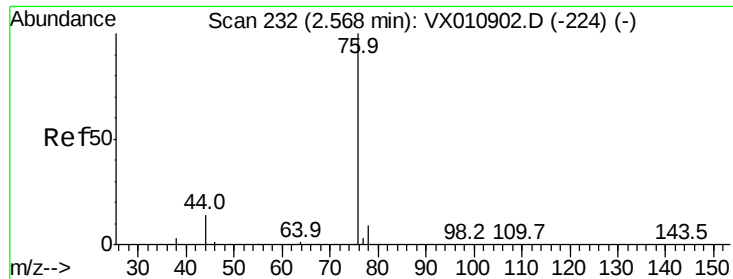
Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion:	43	Resp:	537624
Ion Ratio	Lower	Upper	
43	100		
58	34.8	27.7	41.5





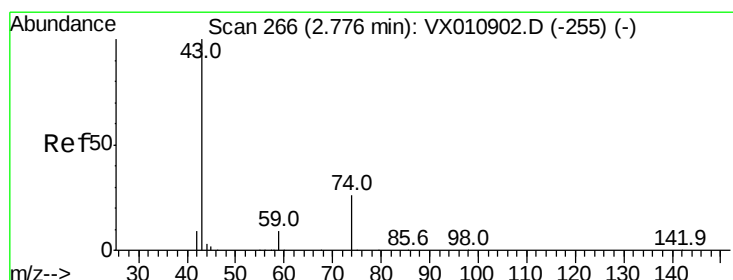
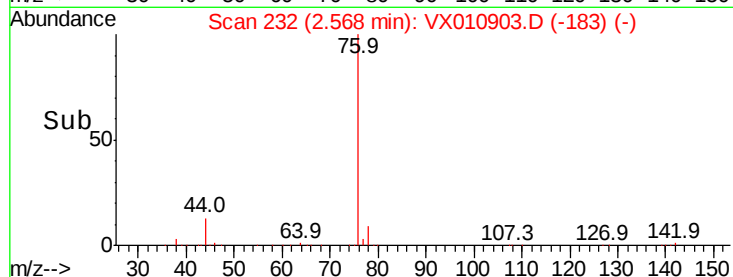
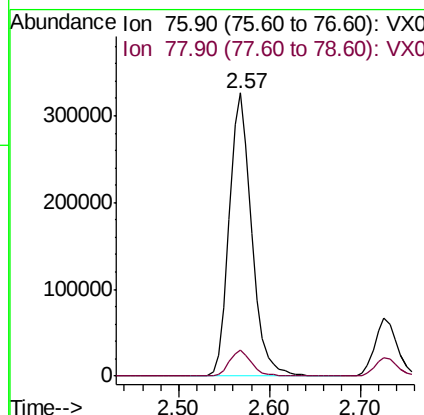
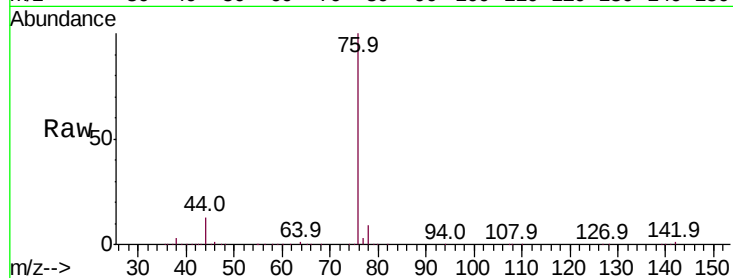
#17
Carbon Disulfide
Concen: 105.410 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
76	100	560184		
78	9.3		7.4	11.0

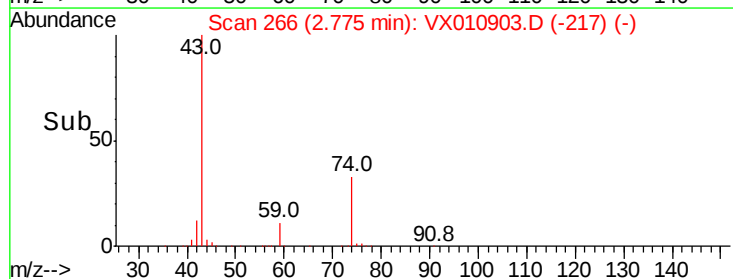
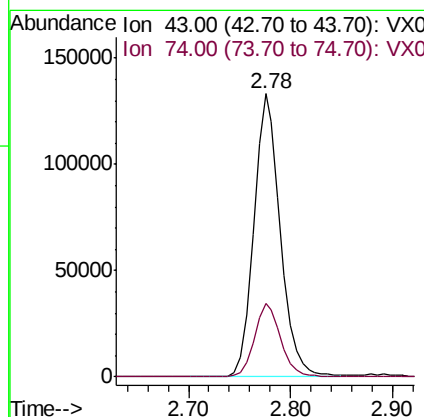
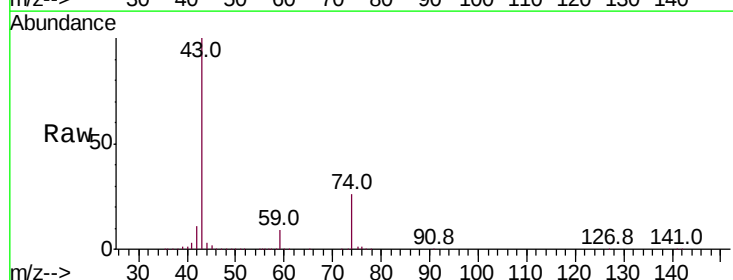
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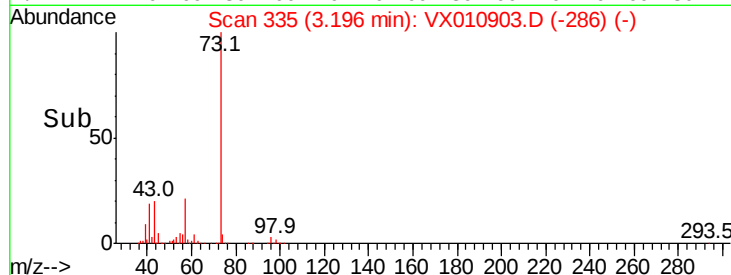
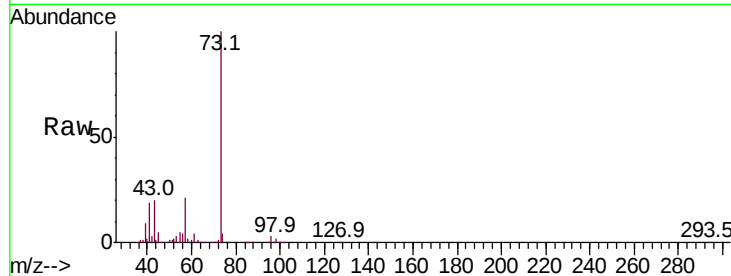
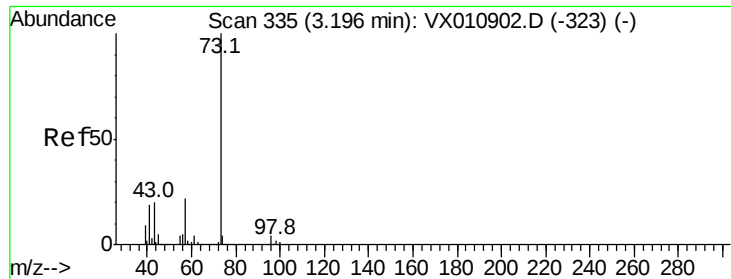
MMDadoda
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#18
Methyl Acetate
Concen: 110.176 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	238642		
74	26.1		21.5	32.3





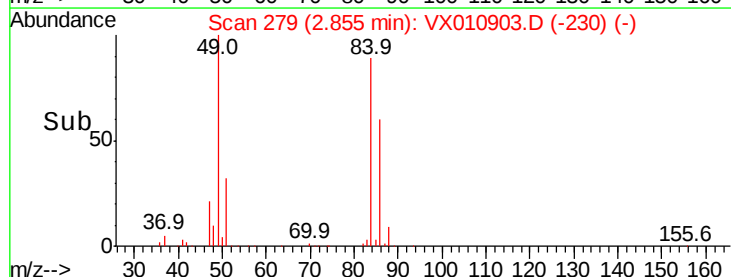
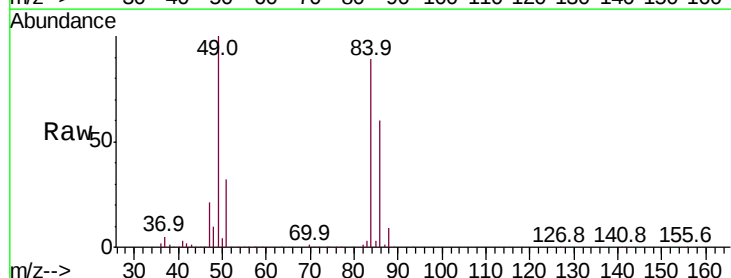
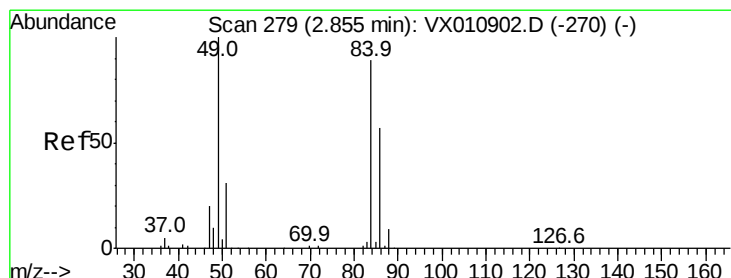
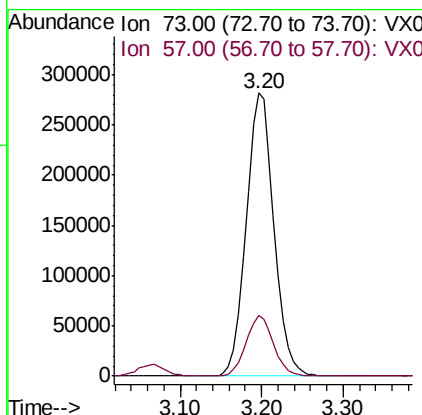
#19
Methyl tert-butyl Ether
Concen: 106.429 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	17.3	25.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

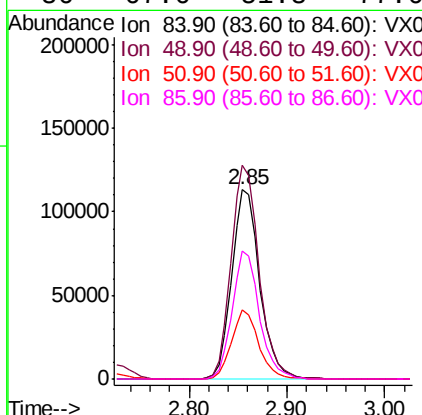
Manual Integrations
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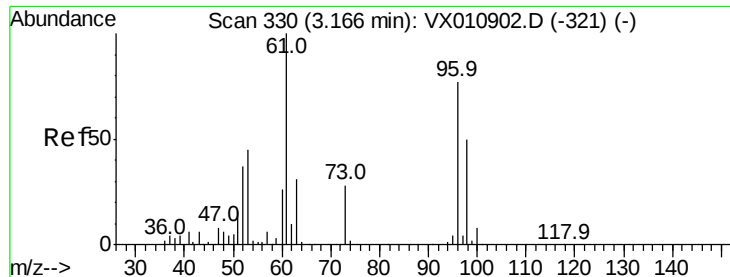
MMDadoda
7/17/2019 10:45:12 AM



#20
Methylene Chloride
Concen: 101.668 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.8	89.9	134.9
51	36.5	27.8	41.6
86	67.6	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 101.792 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 217232

Ion Ratio Lower Upper

96 100

61 126.4 104.2 156.2

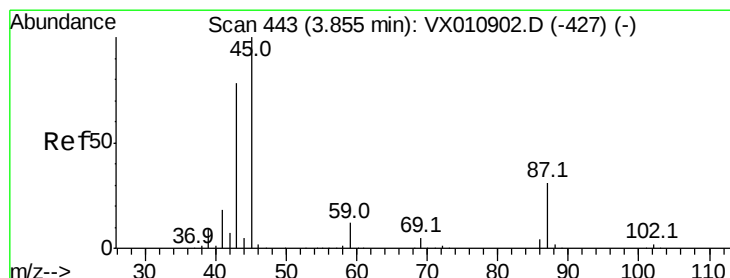
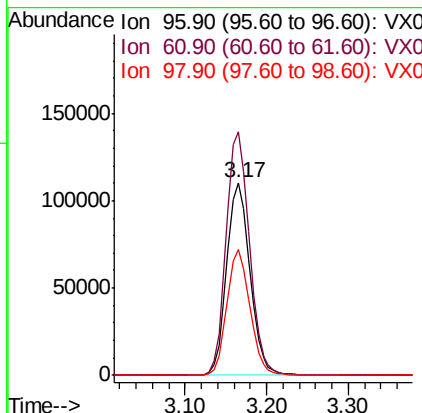
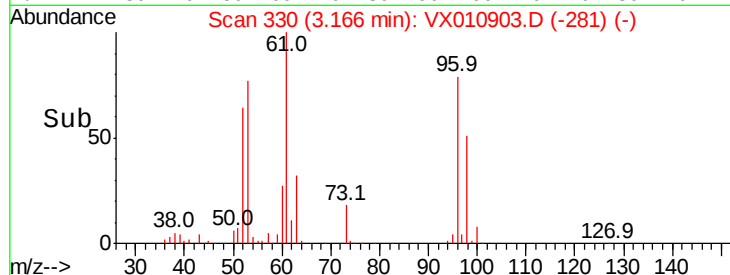
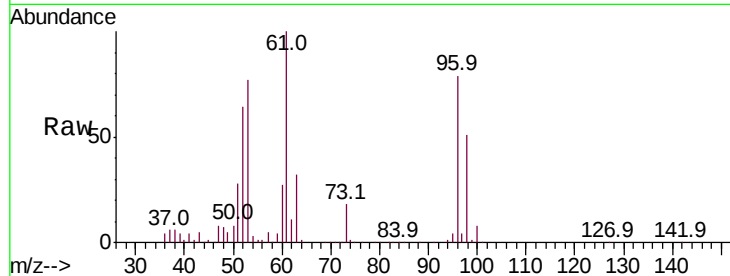
98 65.0 52.2 78.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 107.609 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion: 45 Resp: 635878

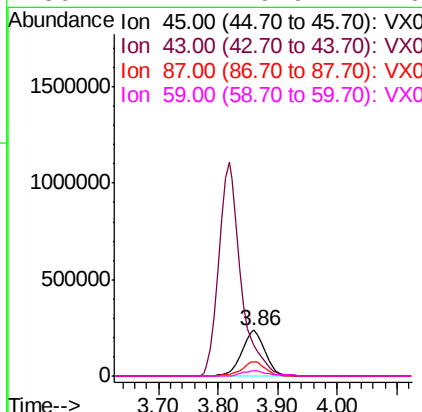
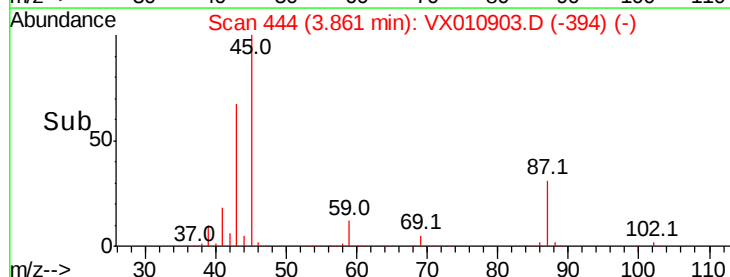
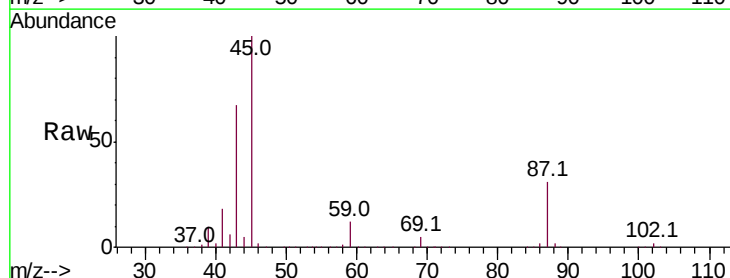
Ion Ratio Lower Upper

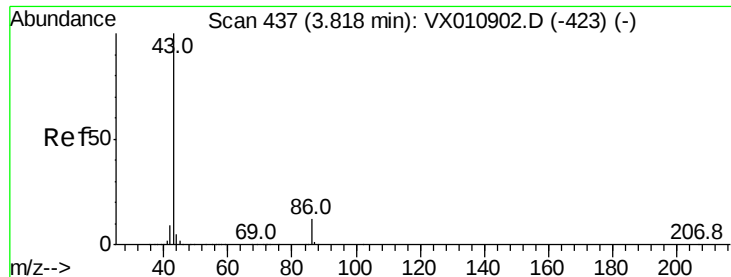
45 100

43 66.5 62.3 93.5

87 30.7 25.0 37.4

59 11.7 9.9 14.9





#23

Vinyl Acetate

Concen: 558.862 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2848891

Ion Ratio Lower Upper

43 100

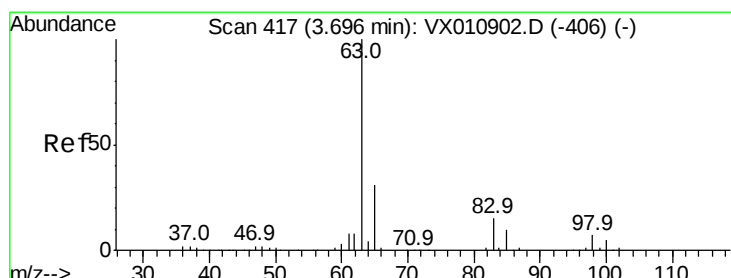
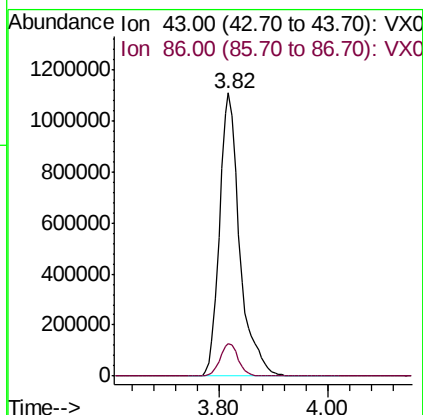
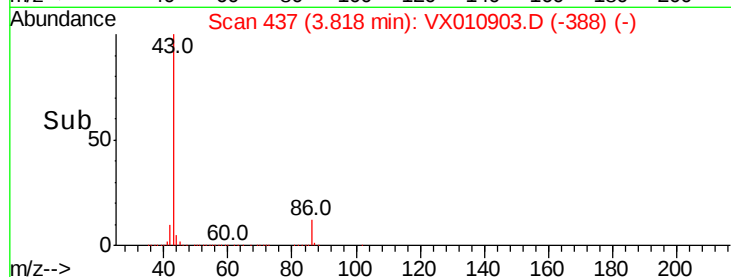
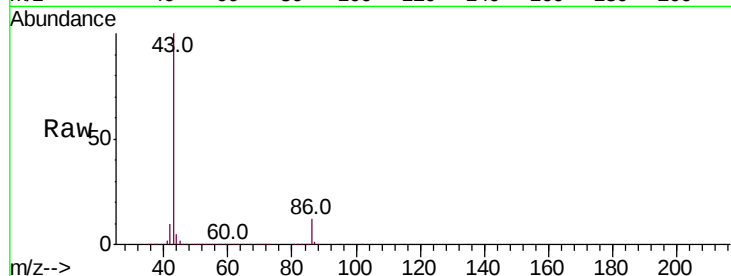
86 11.6 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 106.522 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

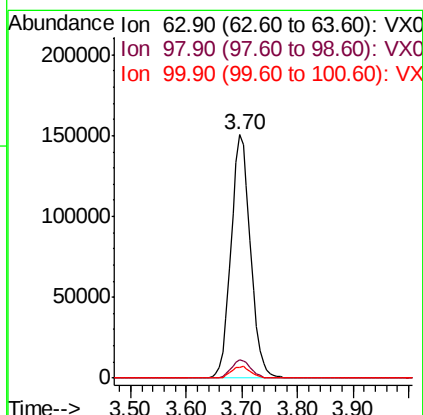
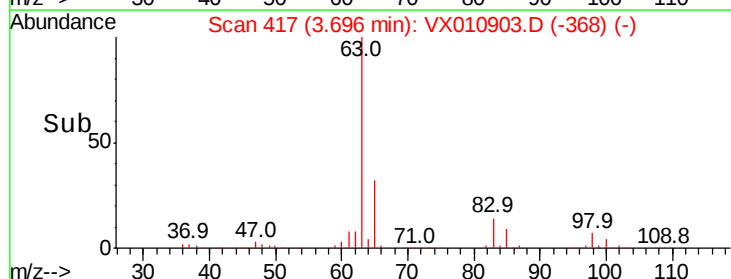
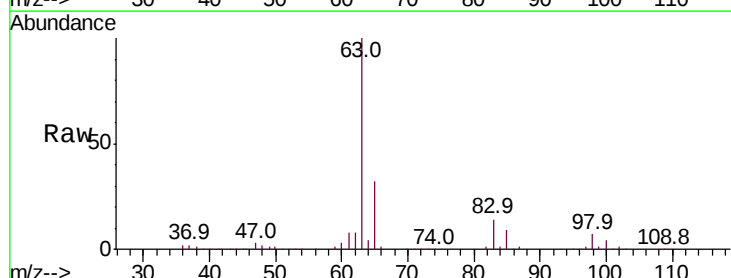
Tgt Ion: 63 Resp: 363205

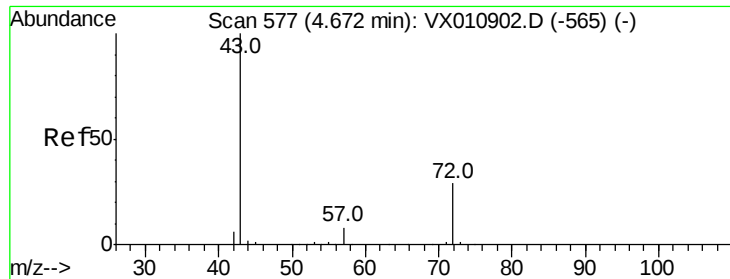
Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 526.743 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 824415

Ion Ratio Lower Upper

43 100

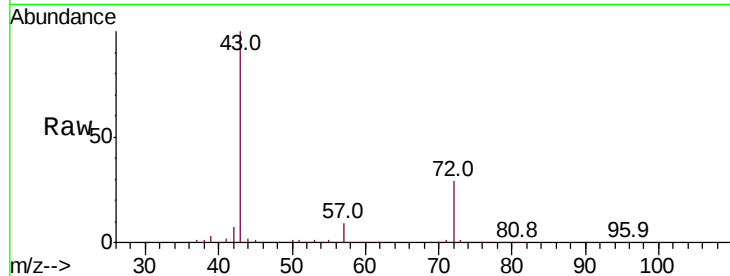
72 28.8 23.0 34.6

Manual Integrations

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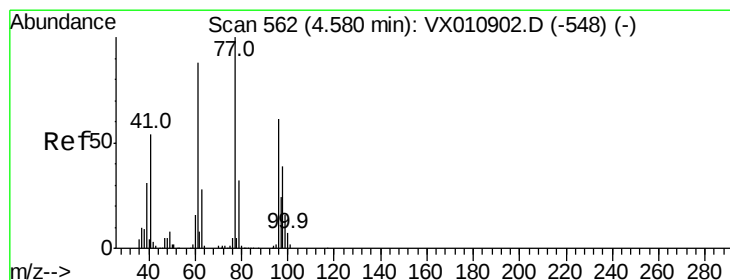
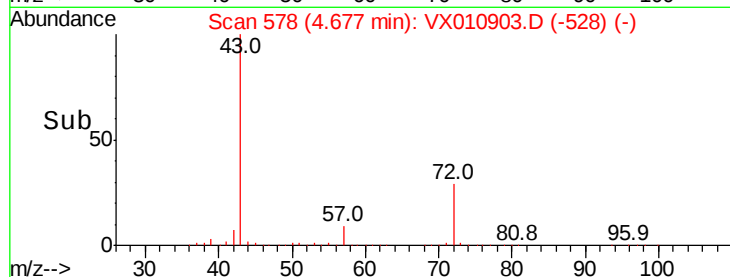
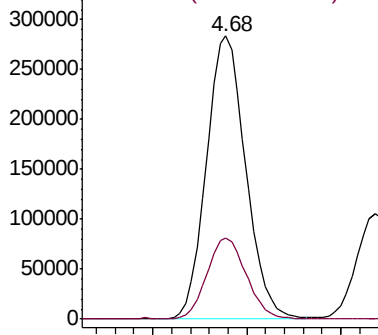
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 105.761 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX010903.D

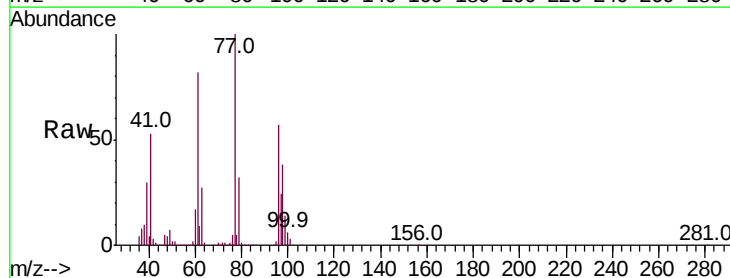
Acq: 16 Jul 2019 11:16

Tgt Ion: 77 Resp: 312057

Ion Ratio Lower Upper

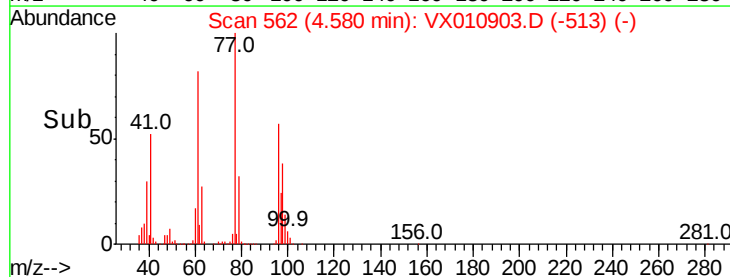
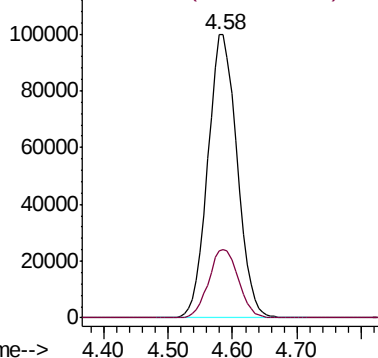
77 100

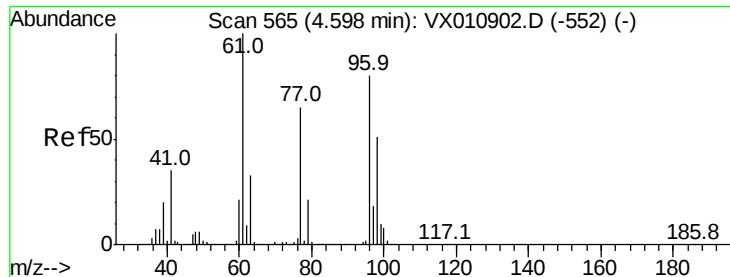
97 24.6 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

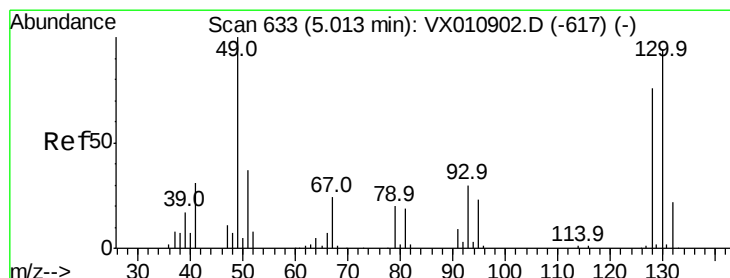
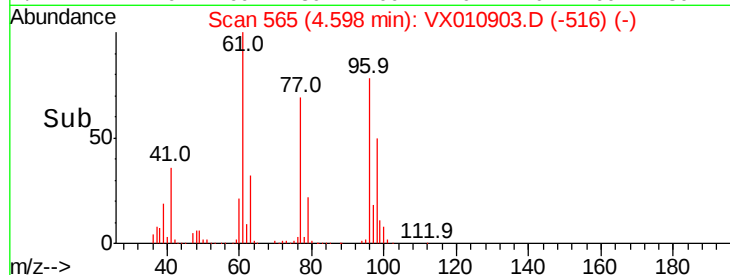
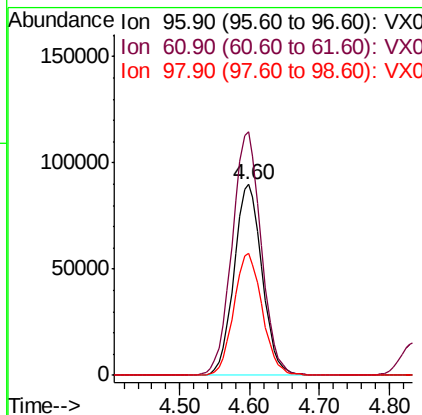
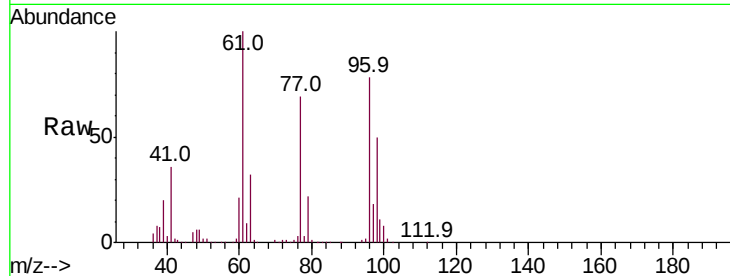
cis-1,2-Dichloroethene
Concen: 102.508 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	251208		
61	132.4	0.0	269.0	
98	64.8	0.0	131.4	

Manual Integrations
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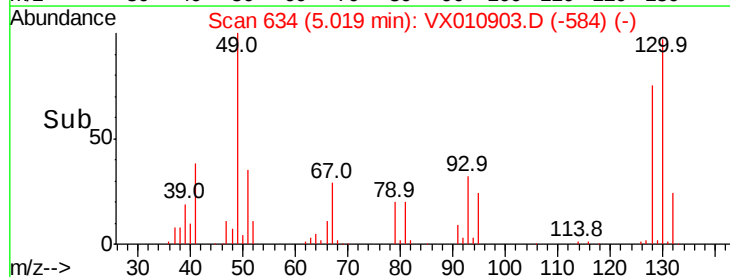
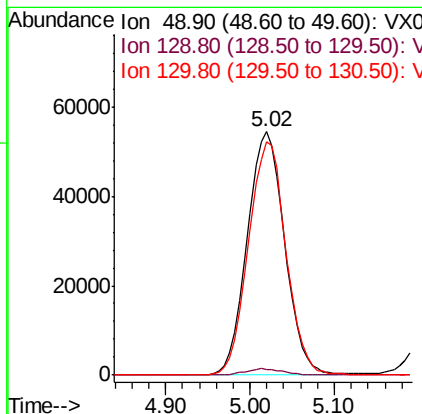
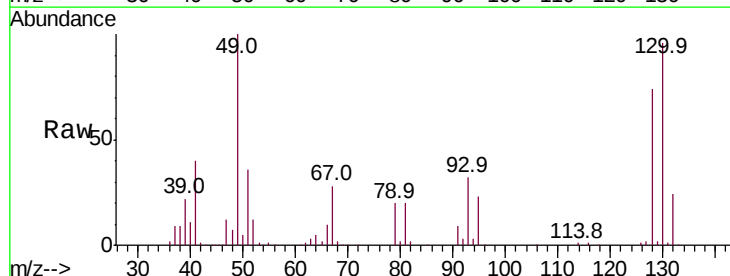
MMDadoda
7/17/2019 10:45:12 AM

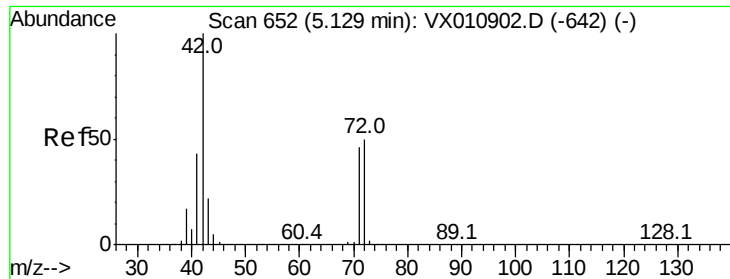


#28

Bromochloromethane
Concen: 101.521 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	165285		
129	2.7	0.0	5.2	
130	96.0	76.9	115.3	





#29

Tetrahydrofuran

Concen: 523.922 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

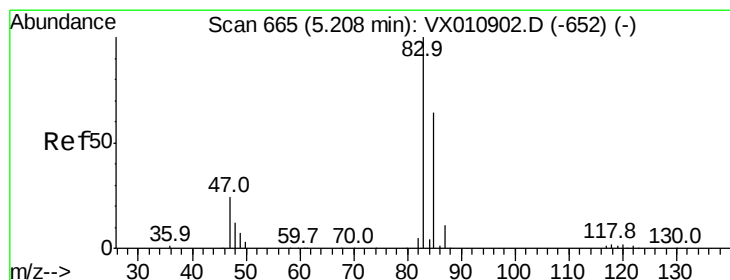
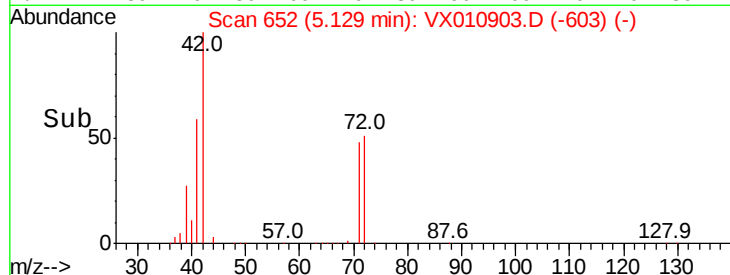
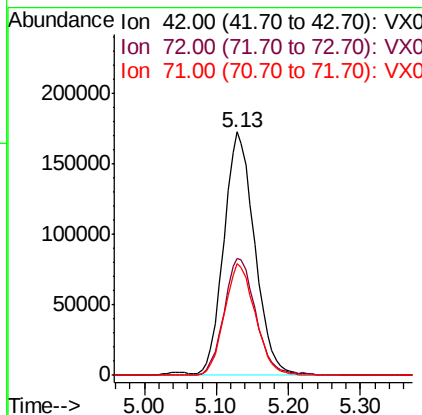
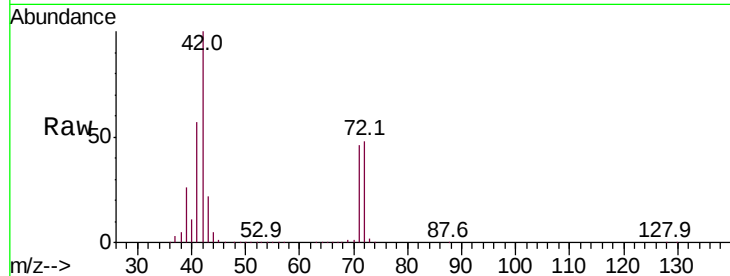
ClientSampled :

VSTDIC100

Tot Ion:	42	Resp:	510529
Ion Ratio	Lower	Upper	
42	100		
72	49.7	39.8	59.8
71	46.1	37.0	55.4

Manual Integrations
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#30

Chloroform

Concen: 106.353 ug/l

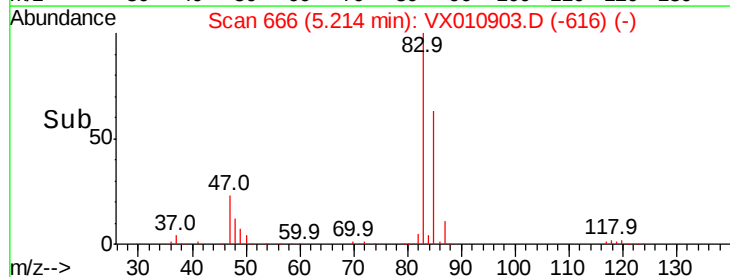
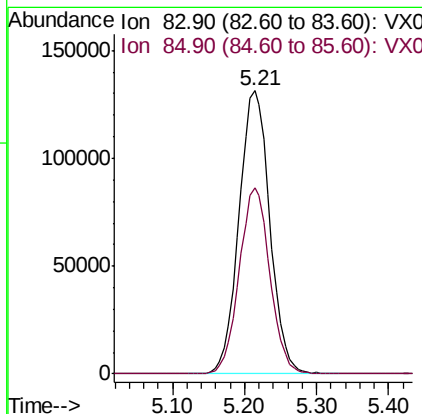
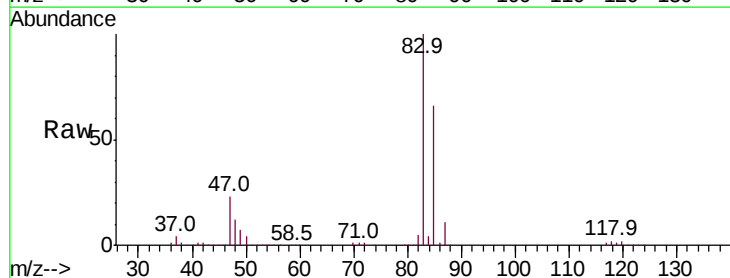
RT: 5.21 min Scan# 666

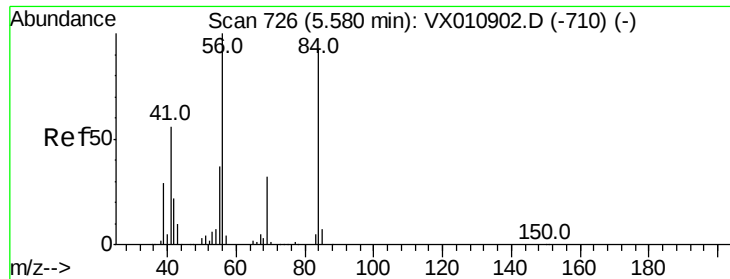
Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion:	83	Resp:	390685
Ion Ratio	Lower	Upper	
83	100		
85	65.9	51.4	77.0





#31

Cyclohexane

Concen: 107.401 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion: 56 Resp: 334560

Ion Ratio Lower Upper

56 100

69 31.2 25.8 38.8

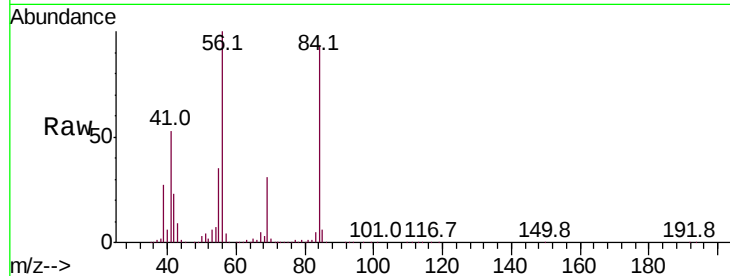
84 91.6 73.8 110.6

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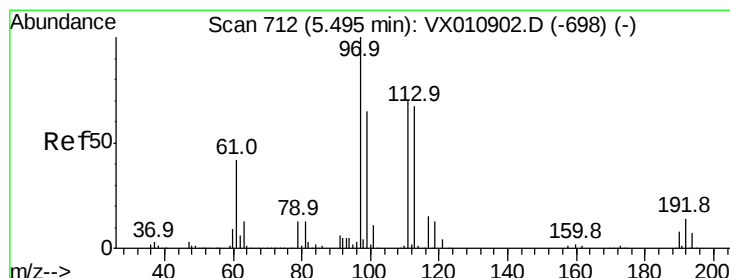
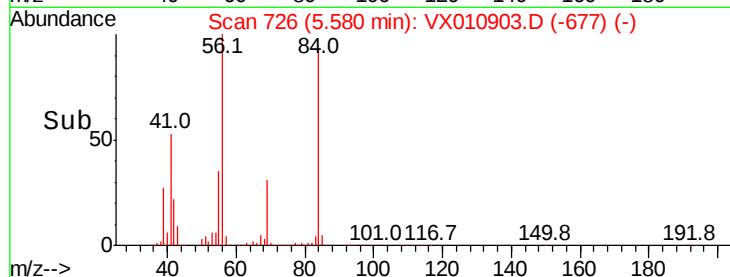
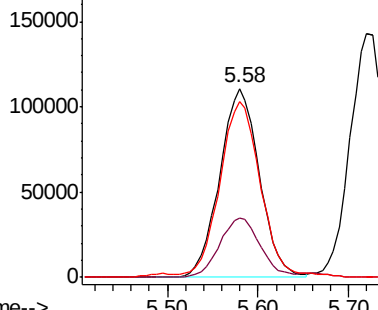
7/17/2019 10:45:12 AM



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 109.833 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

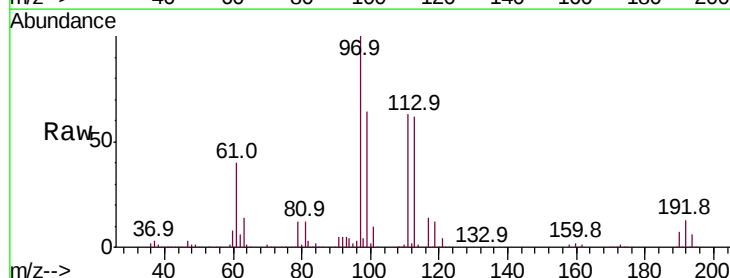
Tgt Ion: 97 Resp: 356264

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.0

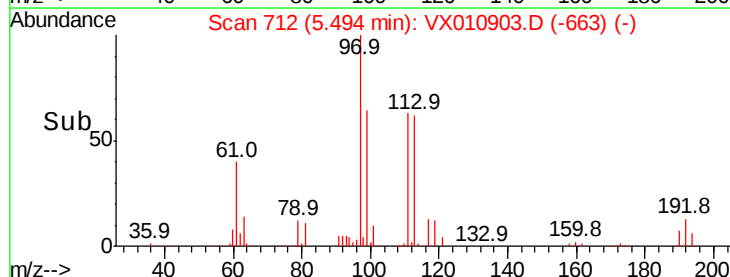
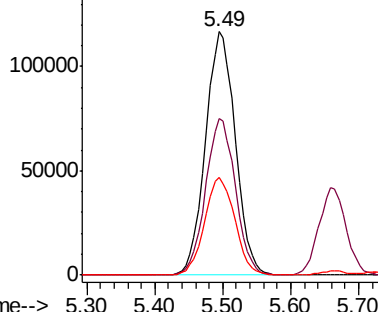
61 40.8 33.0 49.6

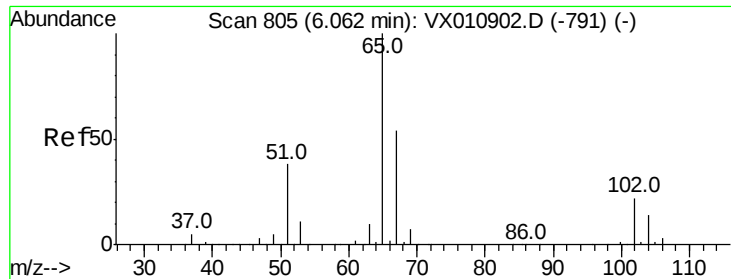


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





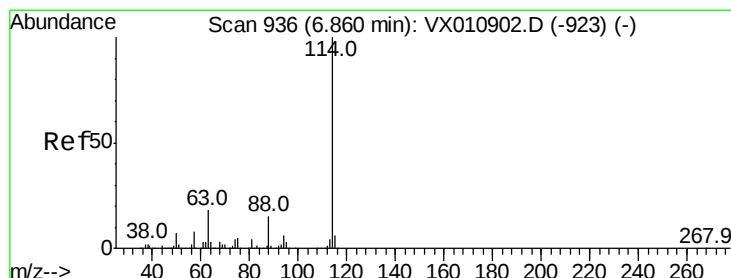
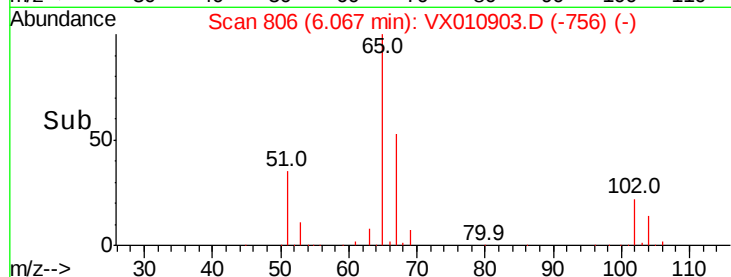
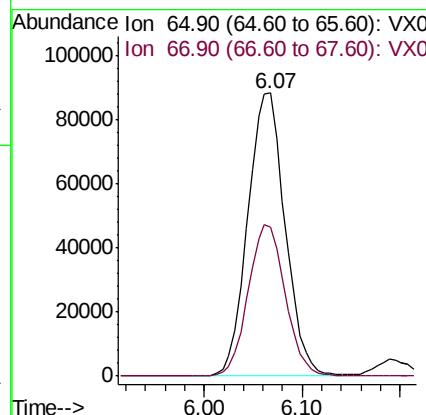
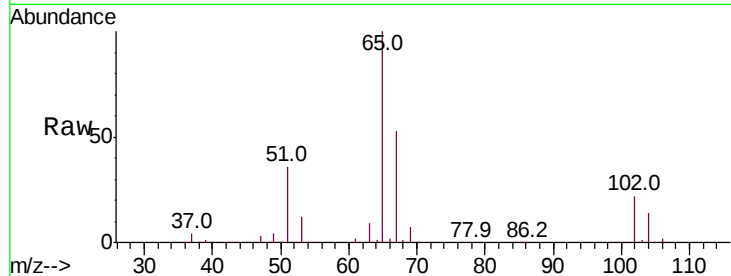
#33
 1,2-Dichloroethane-d4
 Concen: 107.552 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	233997		
67	53.3	0.0	107.8	

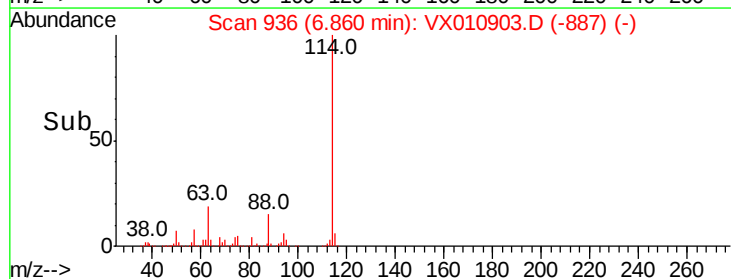
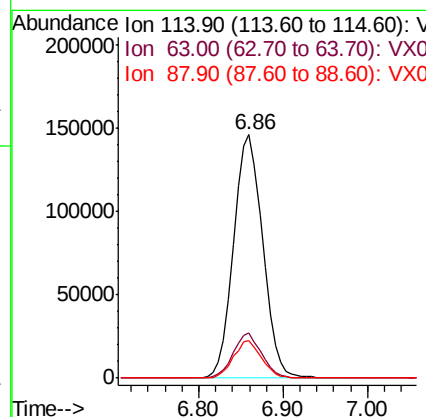
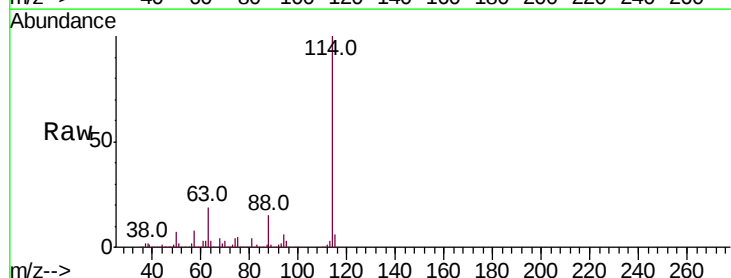
Manual Integrations
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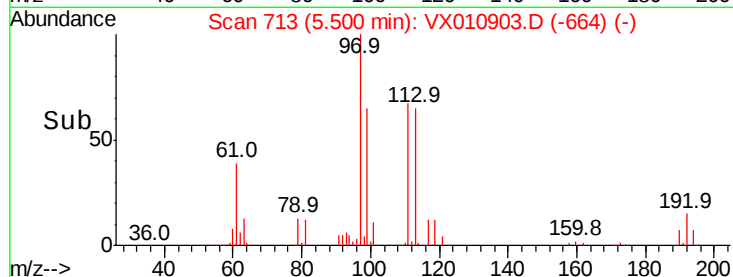
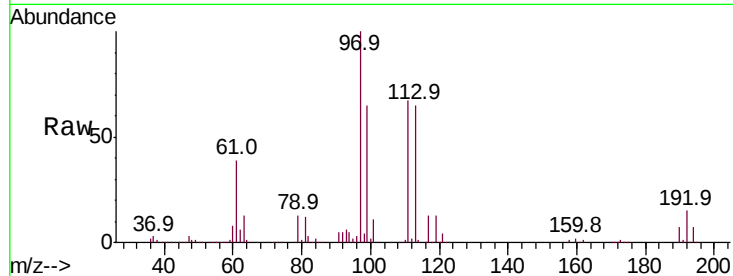
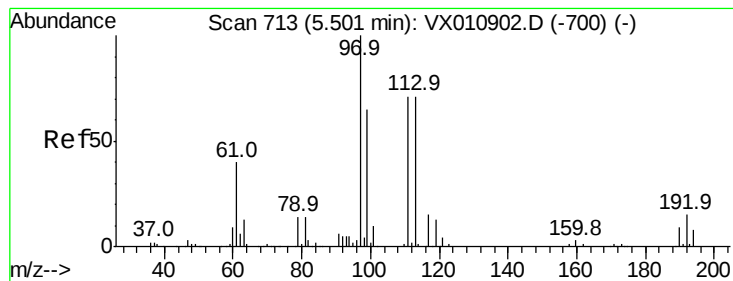
MMDadoda
 7/17/2019 10:45:12 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	342298		
63	18.8	0.0	35.6	
88	15.2	0.0	29.8	





#35

Dibromofluoromethane

Concen: 100.857 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010903.D

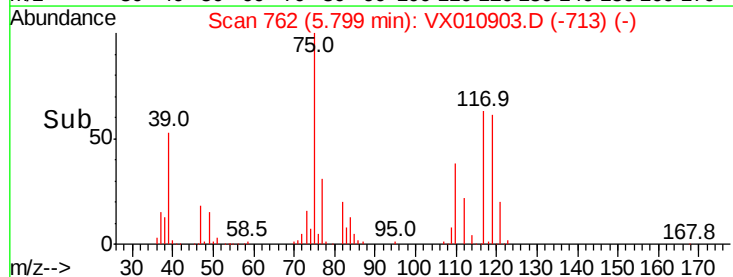
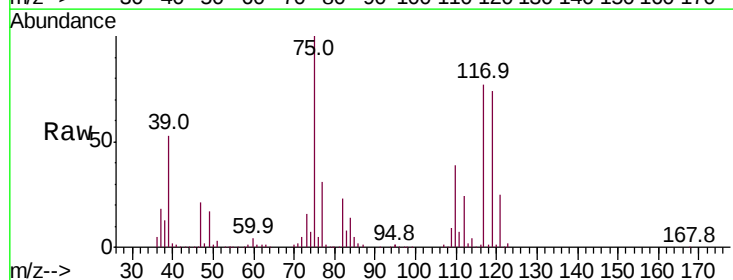
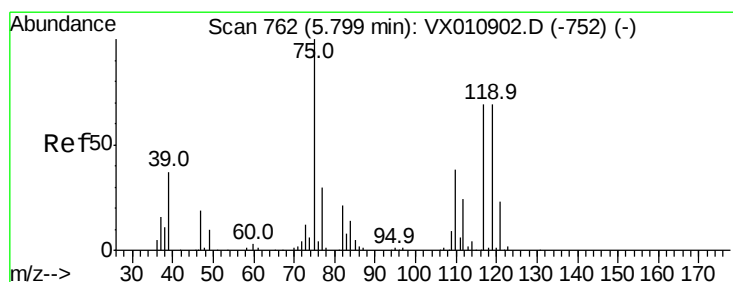
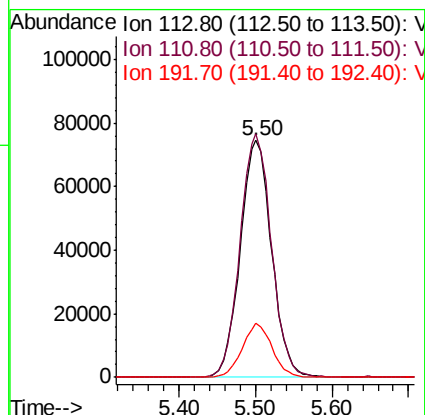
Acq: 16 Jul 2019 11:16

Tot Ion:	113	Resp:	211597
Ion Ratio	Lower	Upper	
113	100		
111	102.9	82.3	123.5
192	21.8	17.4	26.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Manual Integrations
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MMDadoda
7/17/2019 10:45:12 AM



#36

1,1-Dichloropropene

Concen: 105.780 ug/l

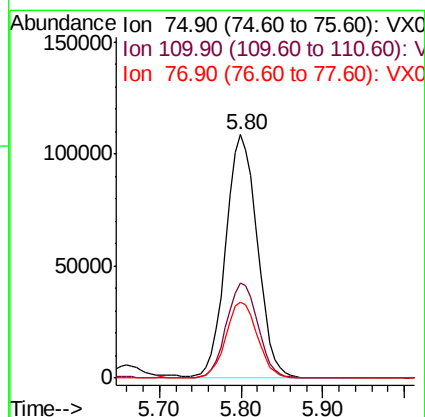
RT: 5.80 min Scan# 762

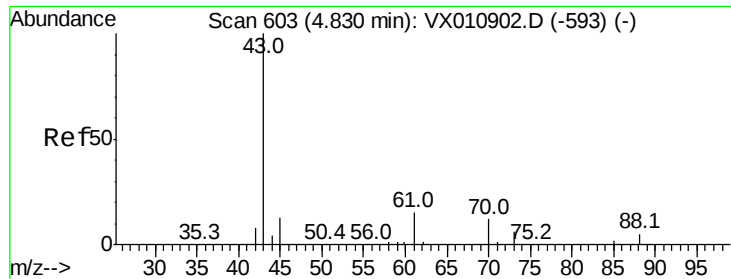
Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion:	75	Resp:	289906
Ion Ratio	Lower	Upper	
75	100		
110	39.2	19.9	59.7
77	31.1	25.0	37.4





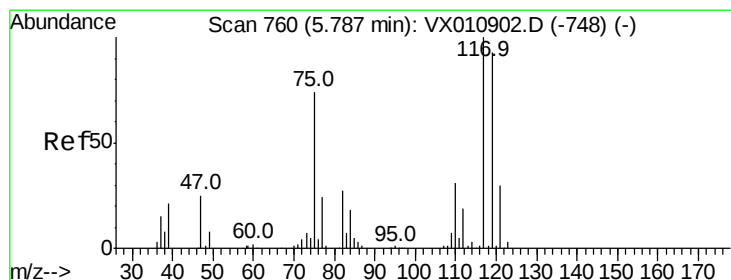
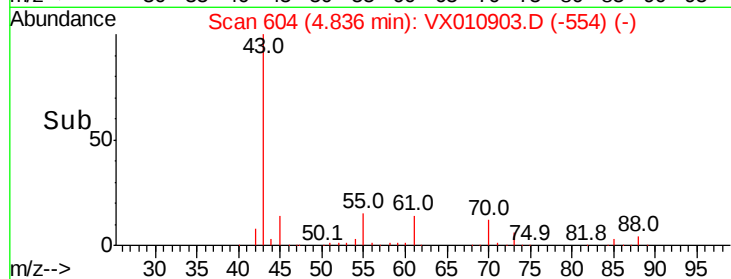
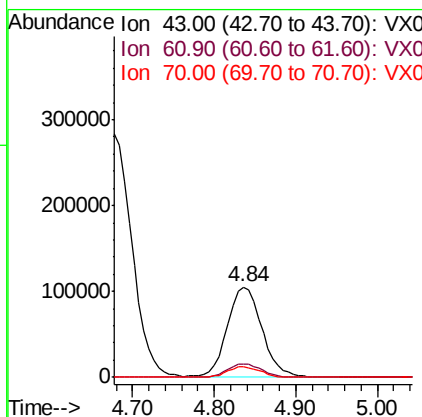
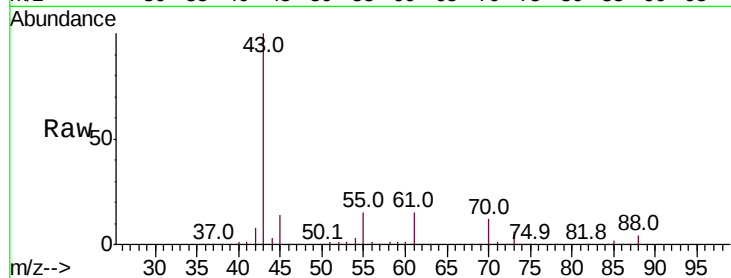
#37
Ethyl Acetate
Concen: 109.651 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.6	17.4
70	11.5	9.1	13.7

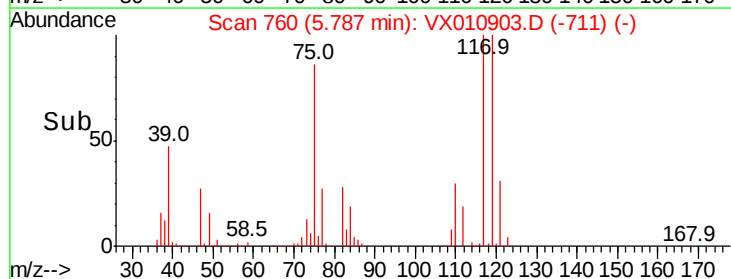
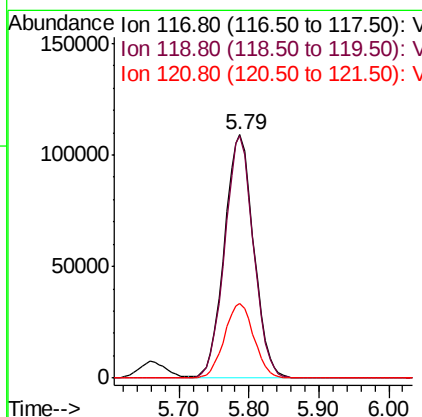
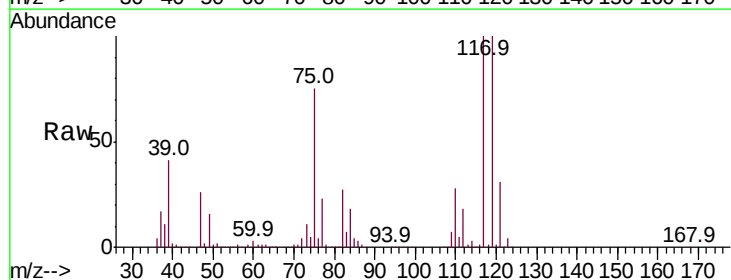
Manual Integrations
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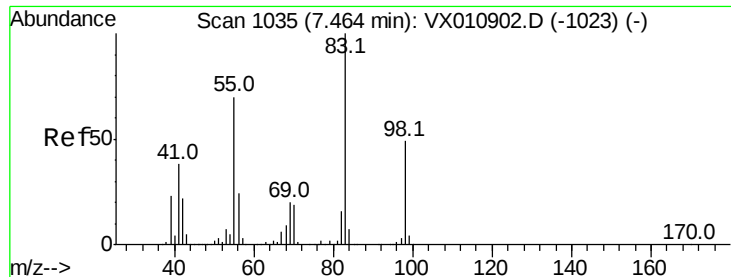
MMDadoda
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#38
Carbon Tetrachloride
Concen: 108.025 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	74.2	111.2
121	30.5	24.2	36.2





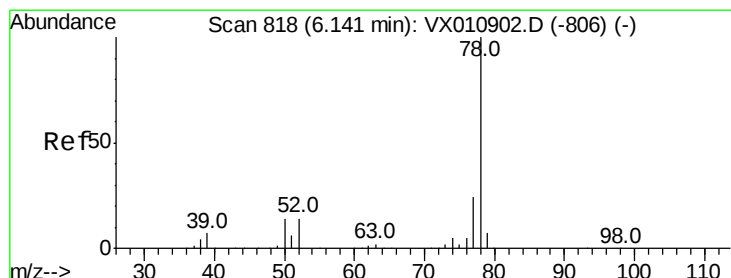
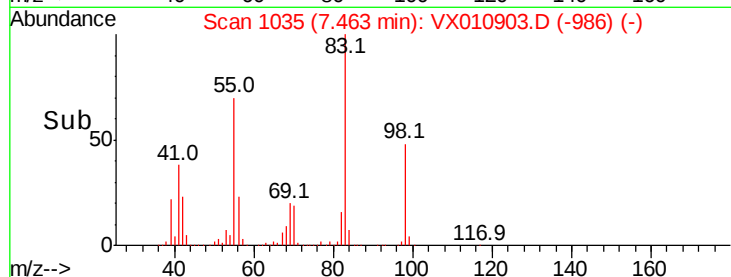
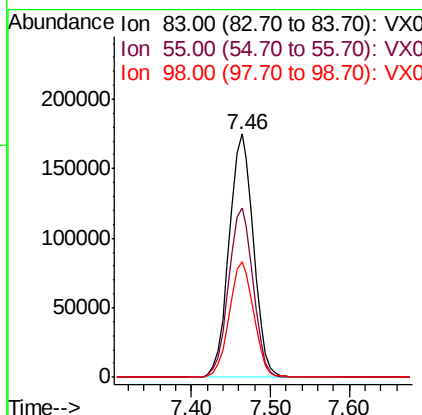
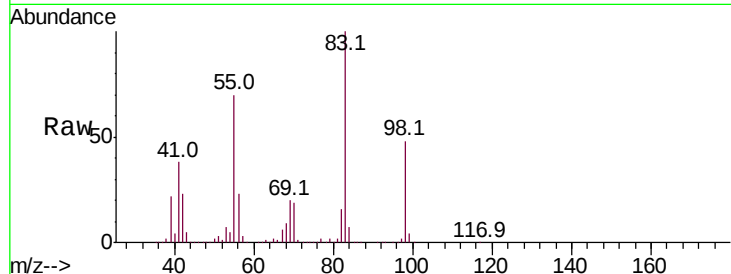
#39
Methvlcvclohexane
Concen: 104.662 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.8	56.2	84.4
98	47.6	39.0	58.4

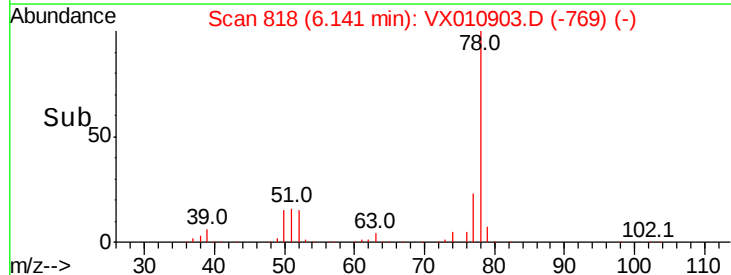
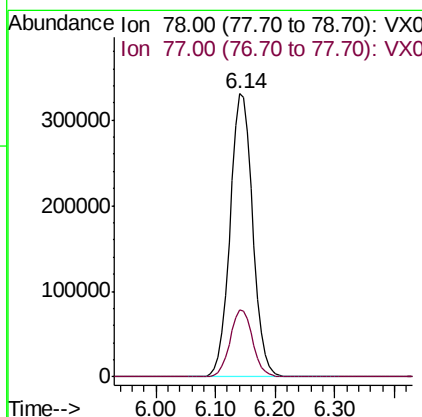
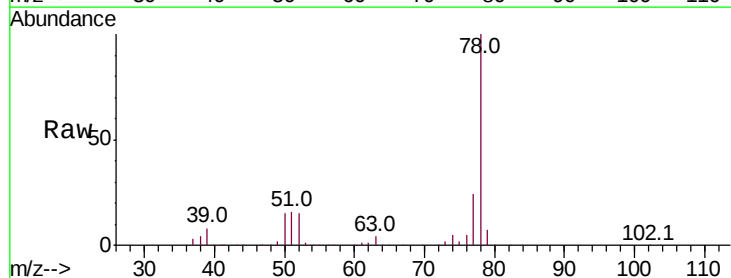
Manual Integrations
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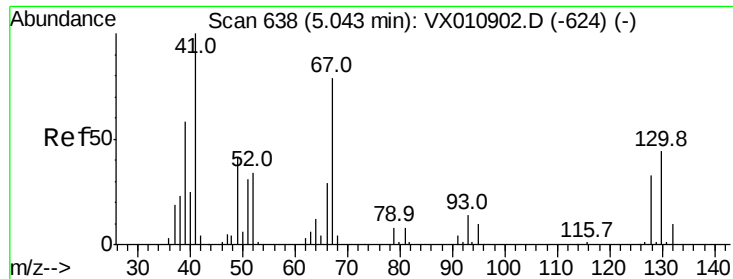
MMDadoda
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#40
Benzene
Concen: 102.619 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





#41

Methacrylonitrile

Concen: 107.795 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

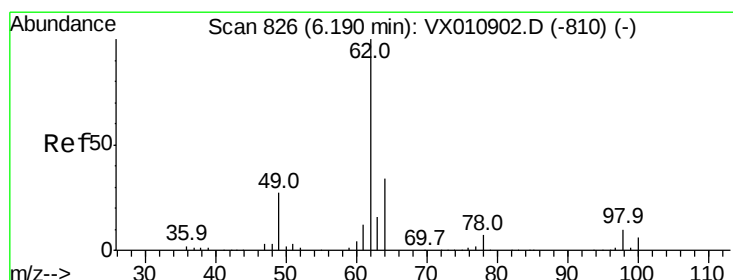
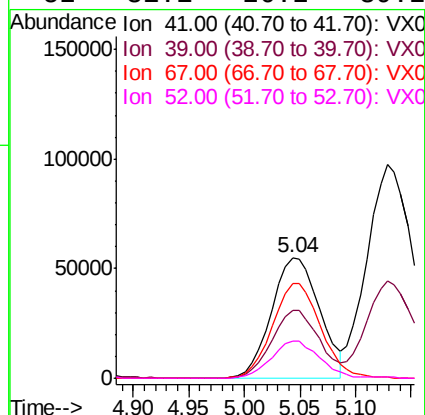
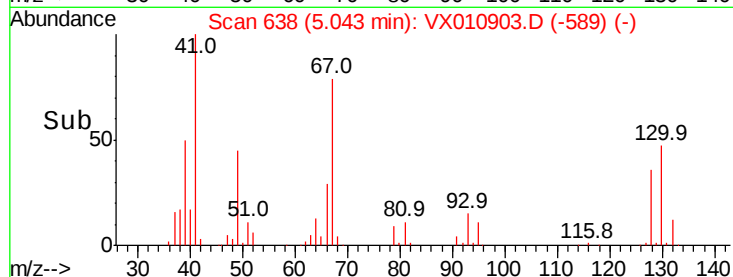
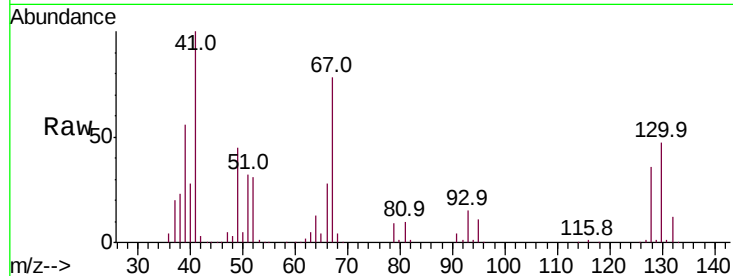
ClientSampleId :

VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
165411	41	100		
	39	55.2	45.4	68.2
	67	79.2	65.9	98.9
	52	31.1	26.2	39.2

Manual Integrations
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MMDadoda
7/17/2019 10:45:12 AM



#42

1,2-Dichloroethane

Concen: 115.256 ug/l

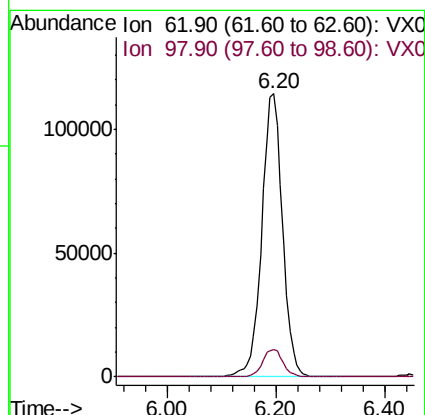
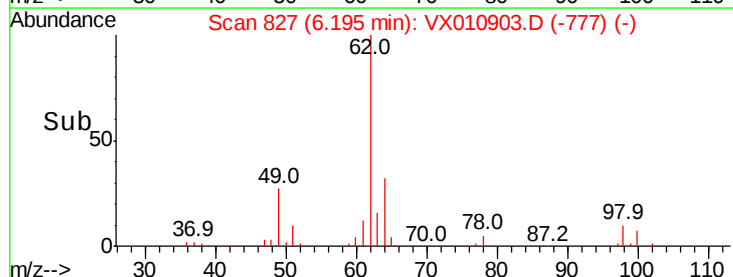
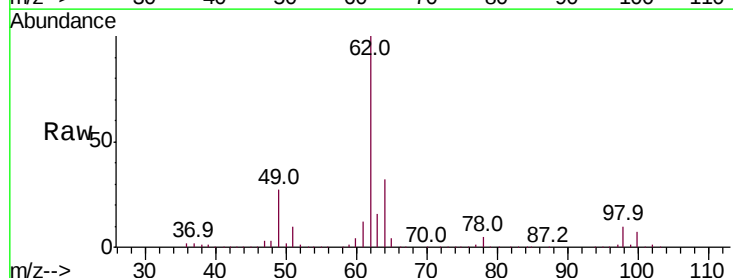
RT: 6.20 min Scan# 827

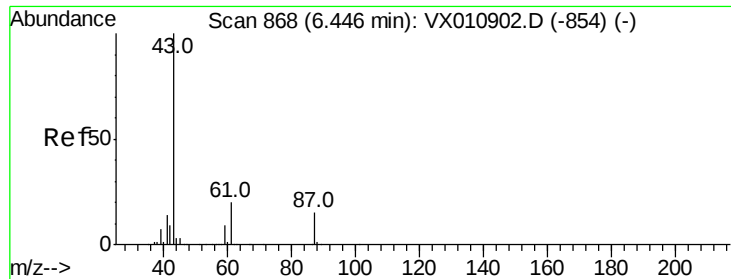
Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion	Ion	Ratio	Lower	Upper
301883	62	100		
	98	9.6	0.0	20.0





#43

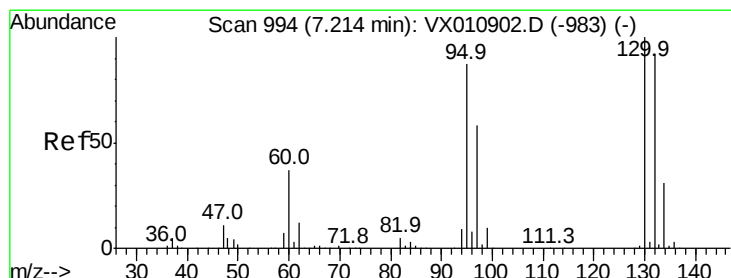
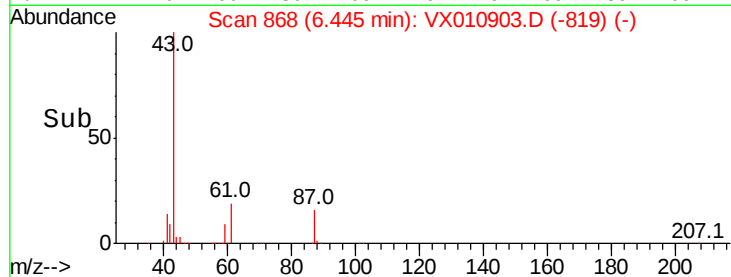
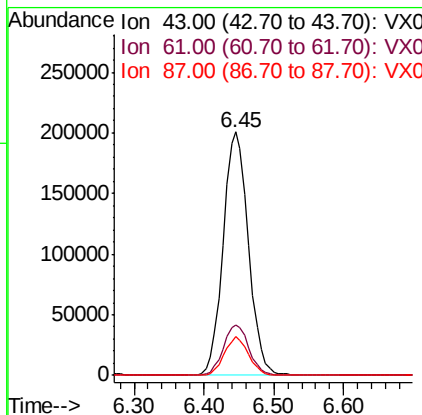
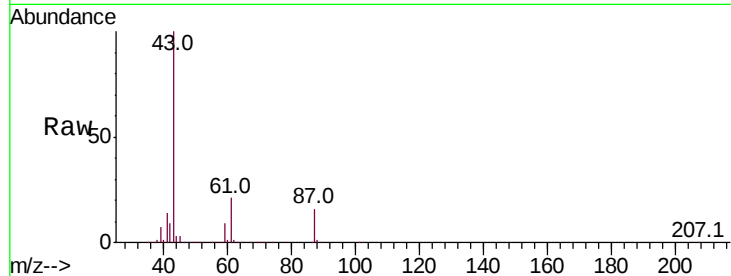
Isopropyl Acetate
 Concen: 108.261 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.0	17.1	25.7
87	15.2	12.0	18.0

Manual Integrations
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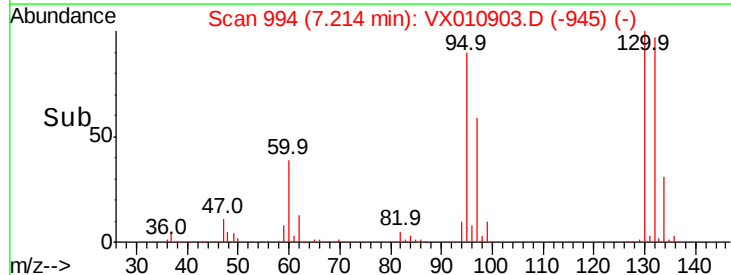
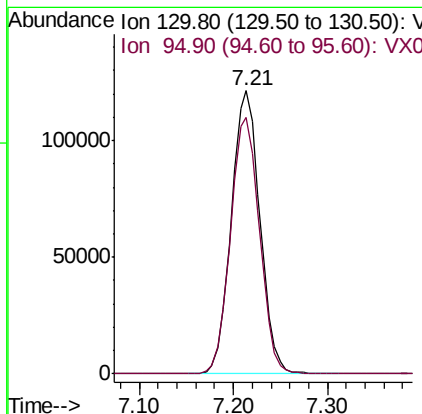
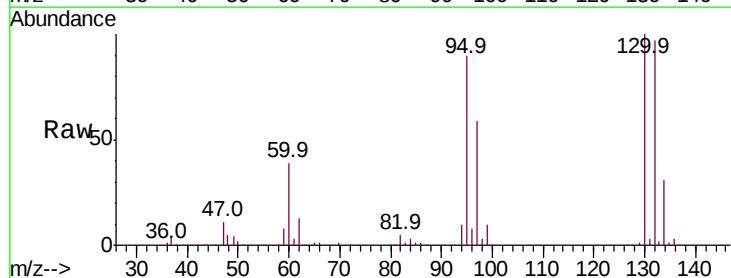
MMDadoda
 7/17/2019 10:45:12 AM

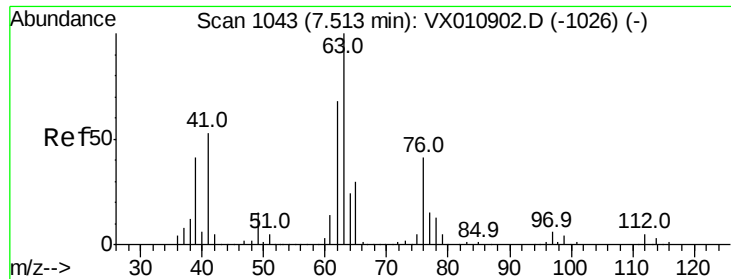


#44

Trichloroethene
 Concen: 101.186 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	174.8





#45

1,2-Dichloropropane

Concen: 101.279 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 217130

Ion Ratio Lower Upper

63 100

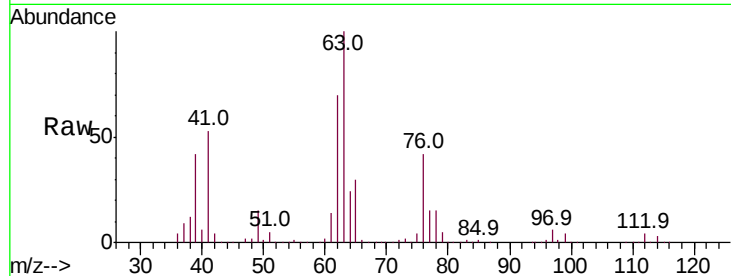
65 30.4 24.4 36.6

Manual Integrations

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MMDadoda

7/17/2019 10:45:12 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

100000

80000

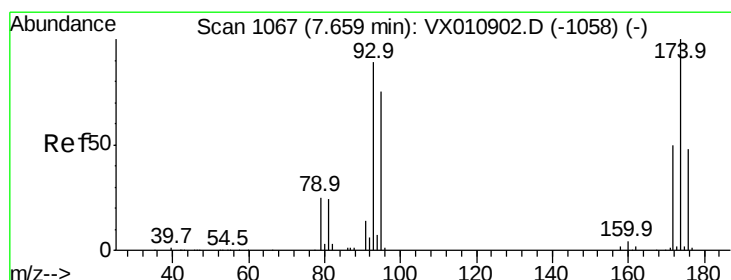
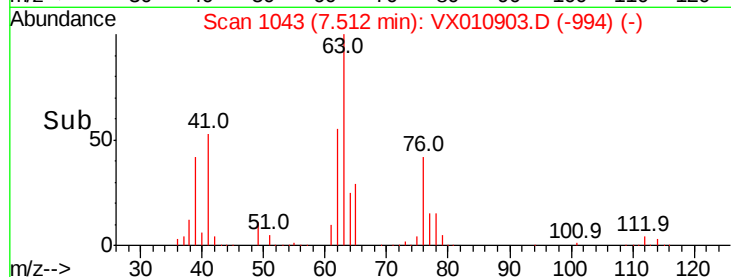
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 105.590 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

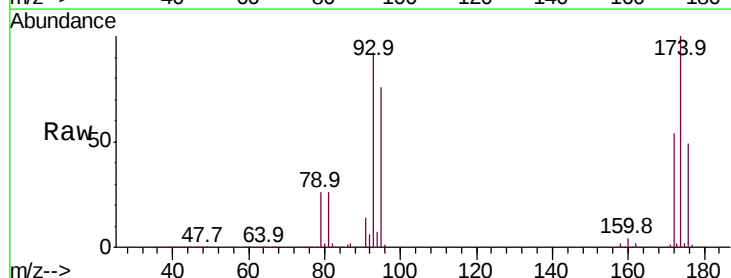
Tgt Ion: 93 Resp: 162518

Ion Ratio Lower Upper

93 100

95 83.5 67.2 100.8

174 112.1 90.6 135.8



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

120000

100000

80000

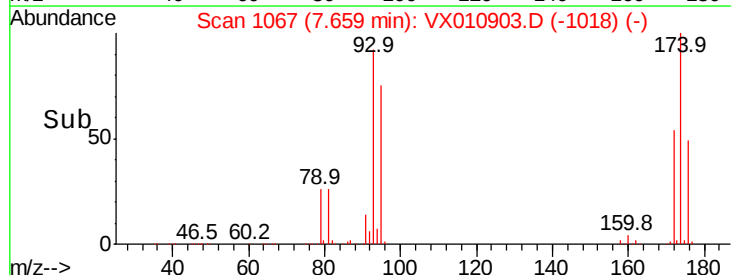
60000

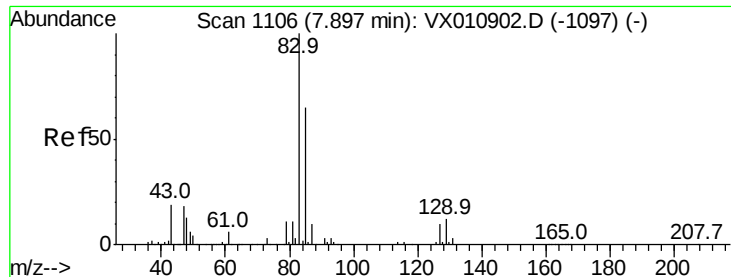
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 108.887 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

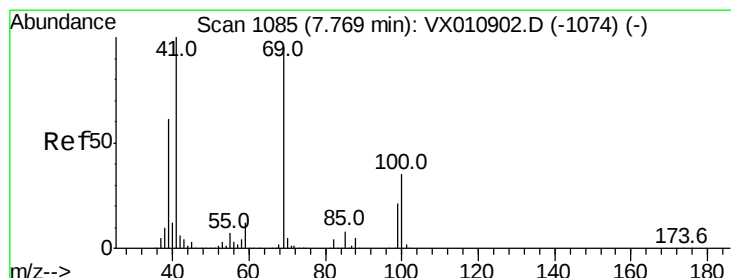
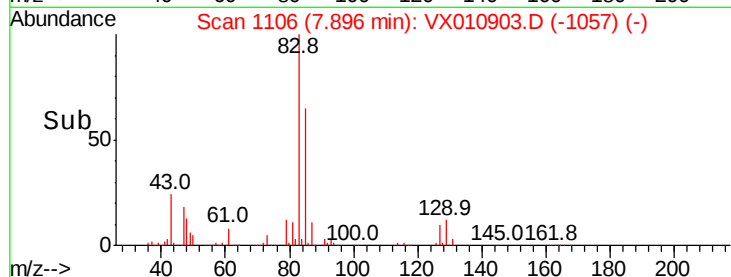
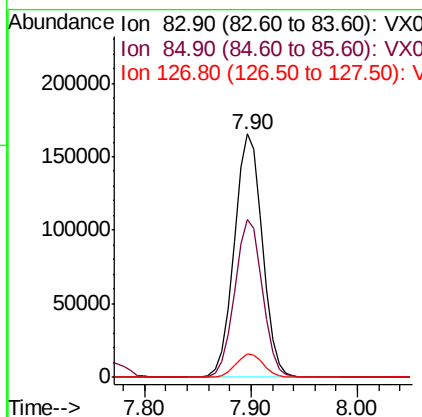
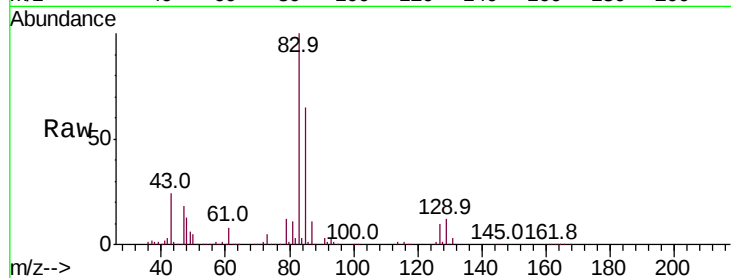
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	305591
Ion Ratio	Lower	Upper	
83	100		
85	64.8	52.5	78.7
127	9.8	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 113.951 ug/l

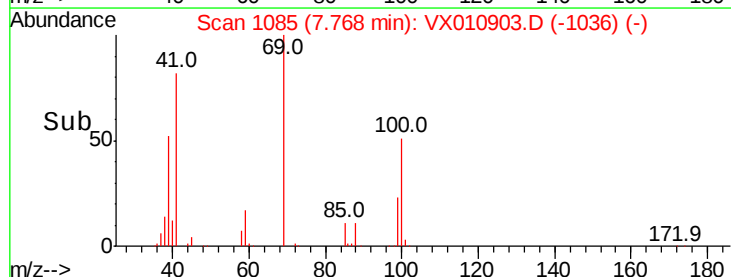
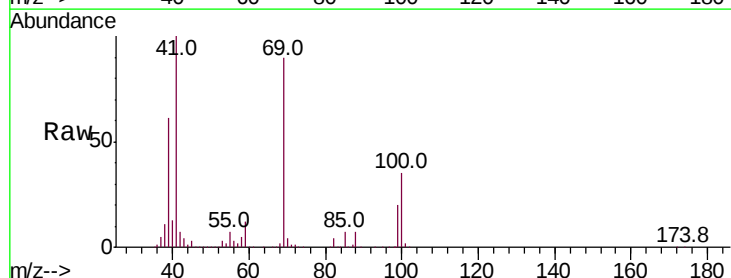
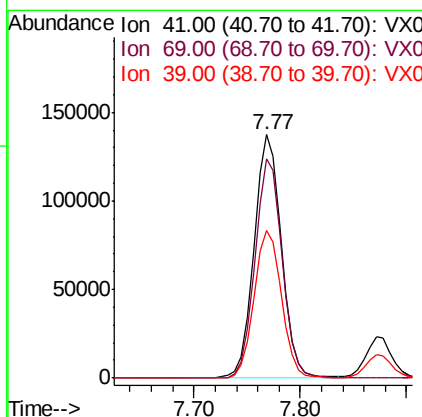
RT: 7.77 min Scan# 1085

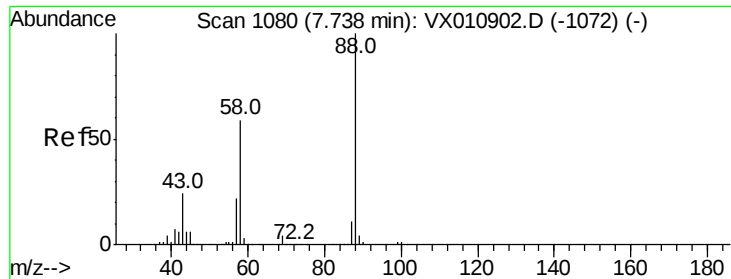
Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion:	41	Resp:	246243
Ion Ratio	Lower	Upper	
41	100		
69	90.1	74.4	111.6
39	61.4	48.9	73.3





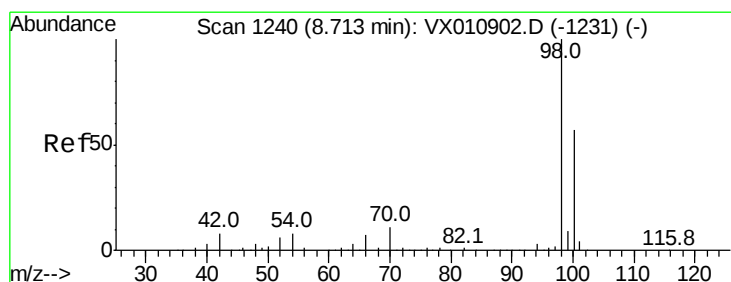
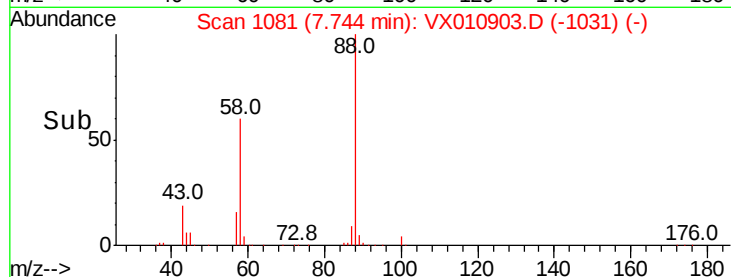
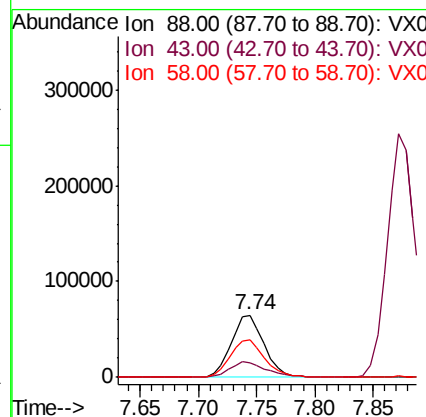
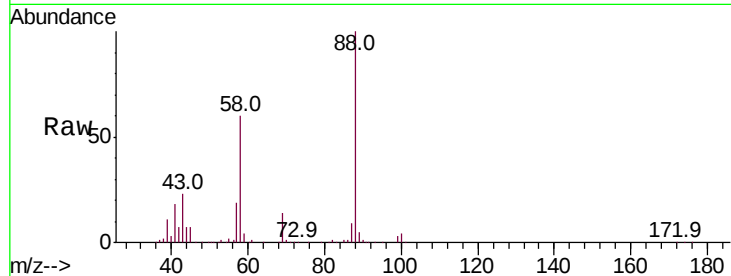
#49
1,4-Dioxane
Concen: 2041.204 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	28.4	22.9	34.3	
58	63.5	49.8	74.8	

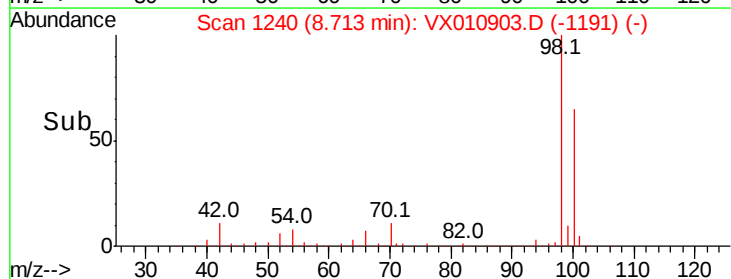
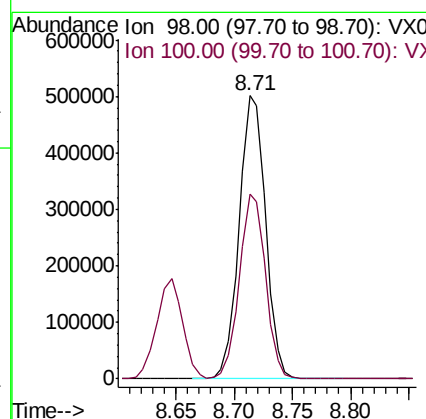
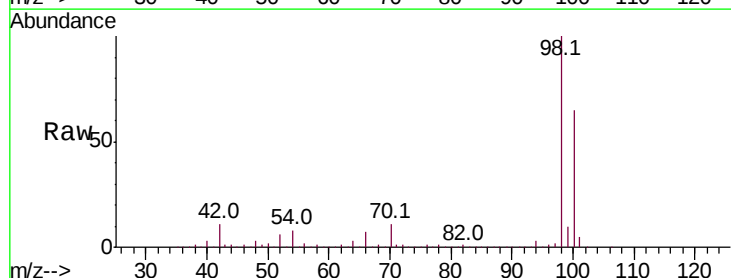
Manual Integrations
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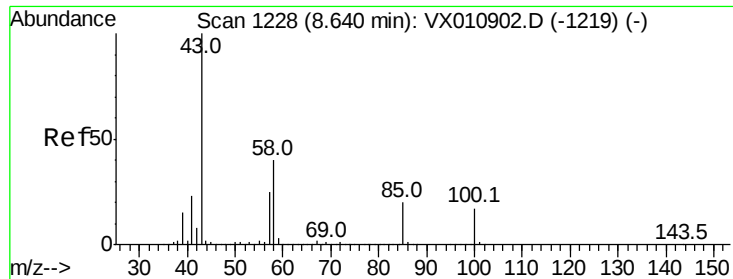
MMDadoda
7/17/2019 10:45:12 AM



#50
Toluene-d8
Concen: 99.092 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.4	50.6	75.8	





#51

4-Methyl-2-Pentanone

Concen: 550.634 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1639292

Ion Ratio Lower Upper

43 100

58 40.0

32.2

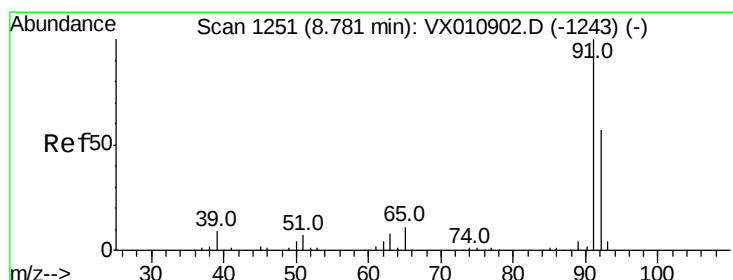
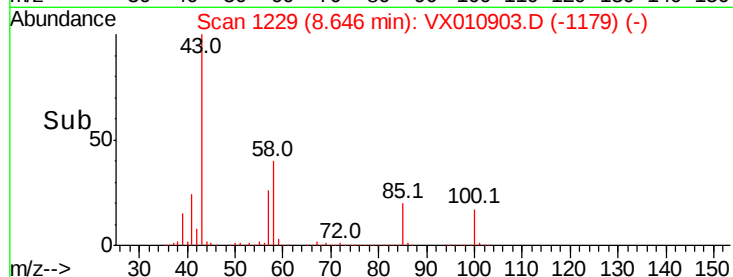
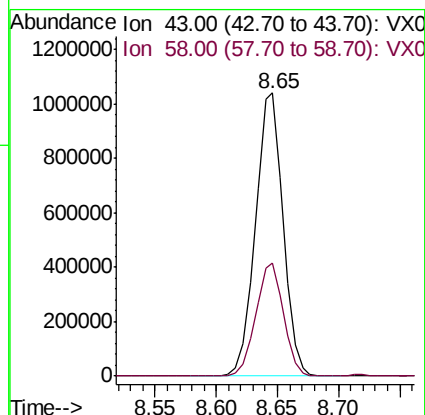
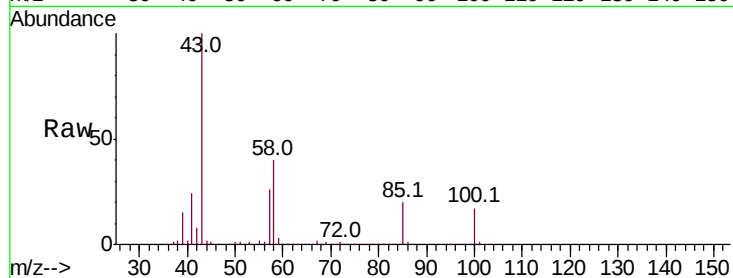
48.4

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MMDadoda

7/17/2019 10:45:12 AM



#52

Toluene

Concen: 102.528 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion: 92 Resp: 572343

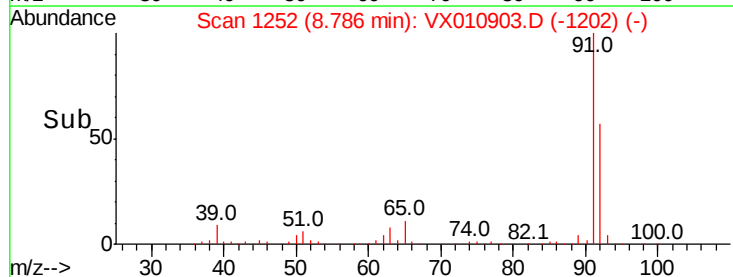
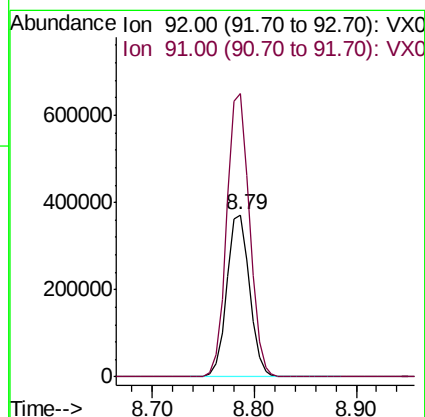
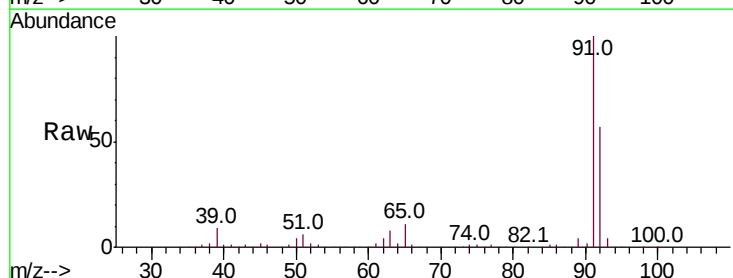
Ion Ratio Lower Upper

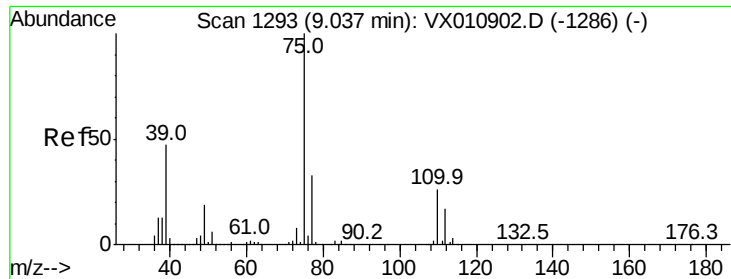
92 100

91 175.3

139.4

209.0





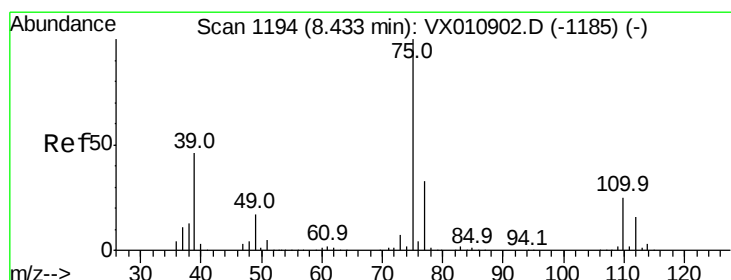
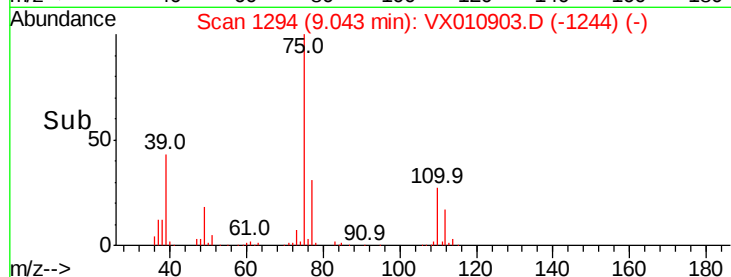
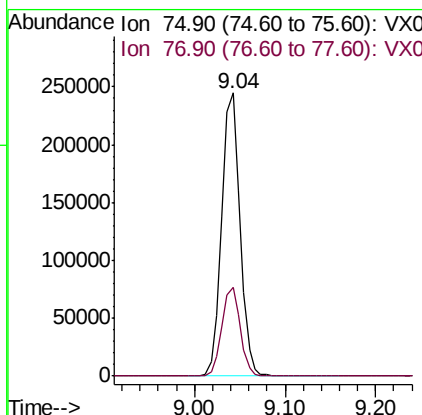
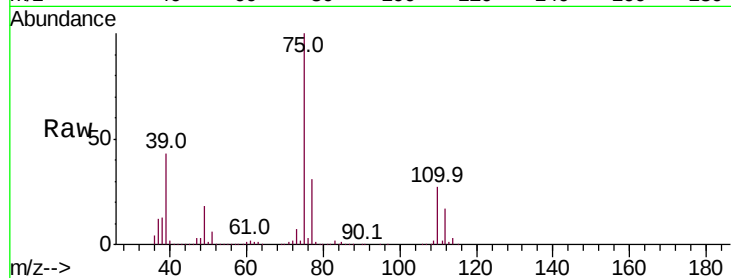
#53
t-1,3-Dichloropropene
Concen: 110.425 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 75 Resp: 346665
Ion Ratio Lower Upper
75 100
77 31.2 26.2 39.2

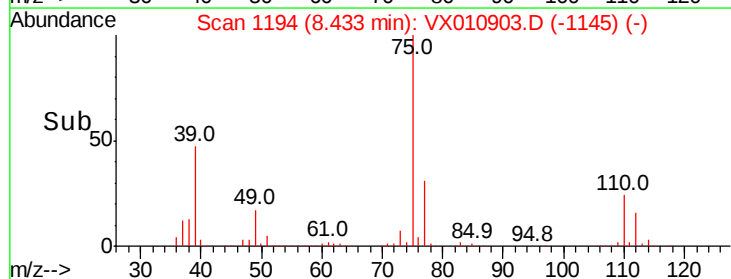
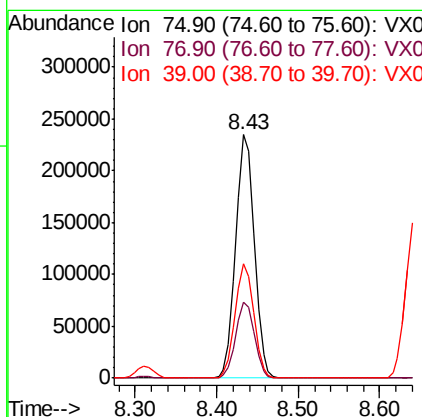
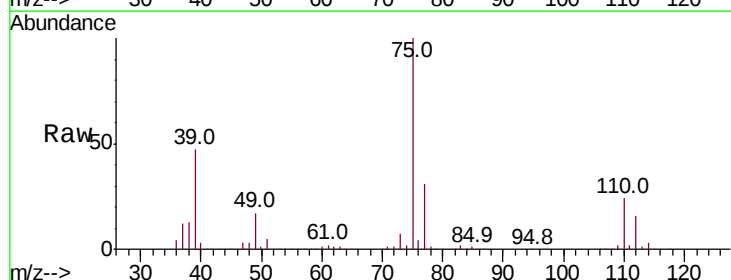
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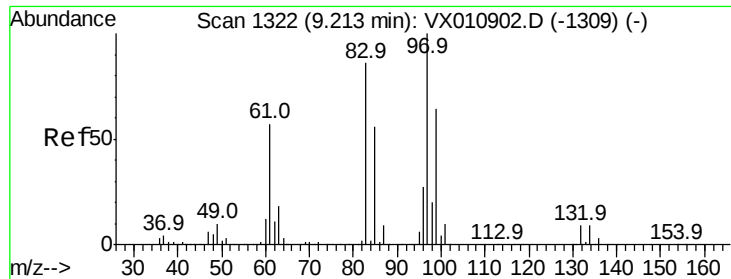
MMDadoda
7/17/2019 10:45:12 AM



#54
cis-1,3-Dichloropropene
Concen: 107.596 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion: 75 Resp: 368179
Ion Ratio Lower Upper
75 100
77 31.4 26.1 39.1
39 46.7 36.6 54.8





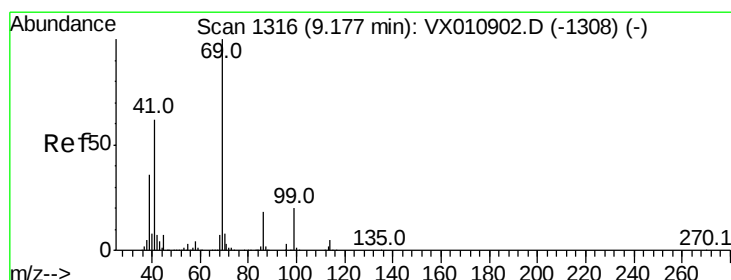
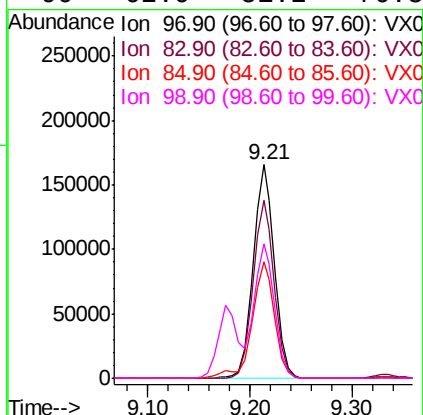
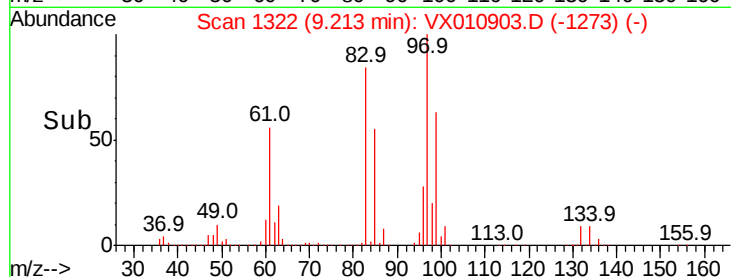
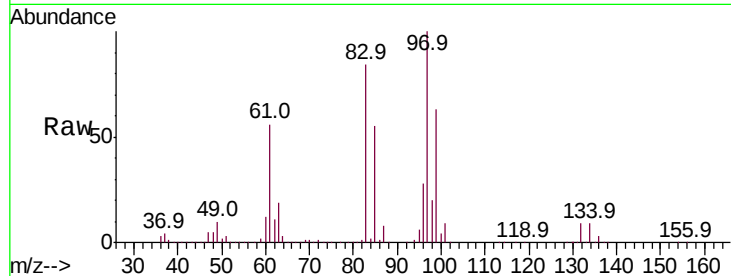
#55
 1,1,2-Trichloroethane
 Concen: 104.894 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
97	100	240875		
83	83.5	69.2	103.8	
85	54.8	44.6	66.8	
99	62.9	51.2	76.8	

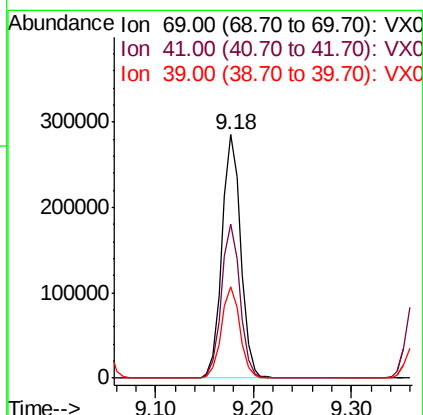
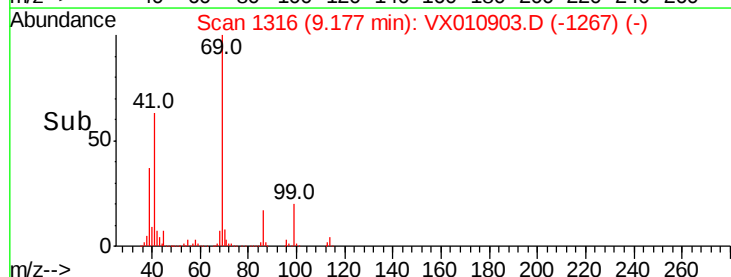
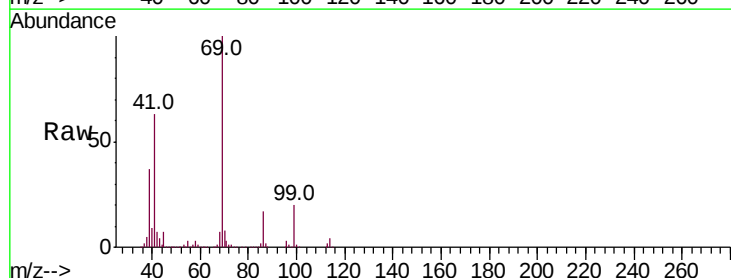
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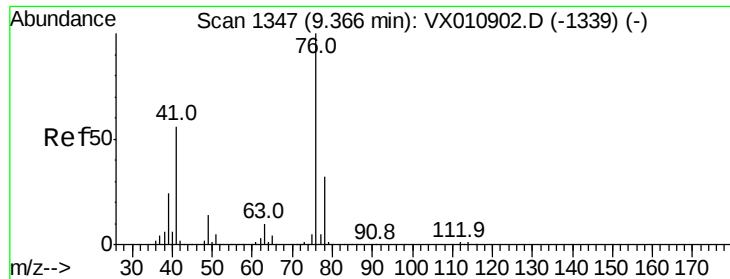
MMDadoda
 7/17/2019 10:45:12 AM



#56
 Ethyl methacrylate
 Concen: 108.975 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	379121		
41	62.9	49.7	74.5	
39	37.3	29.6	44.4	





#57

1,3-Dichloropropane

Concen: 105.205 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 376555

Ion Ratio Lower Upper

76 100

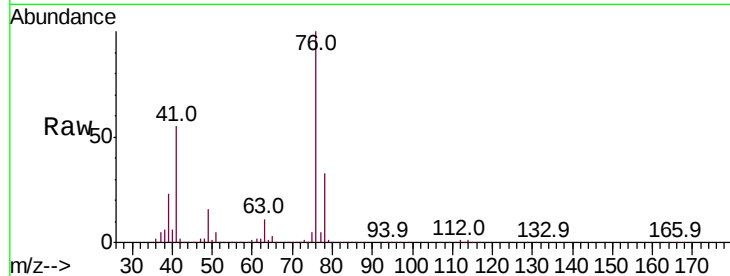
78 32.2 25.6 38.4

Manual Integrations

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MMDadoda

7/17/2019 10:45:12 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

250000

200000

150000

100000

50000

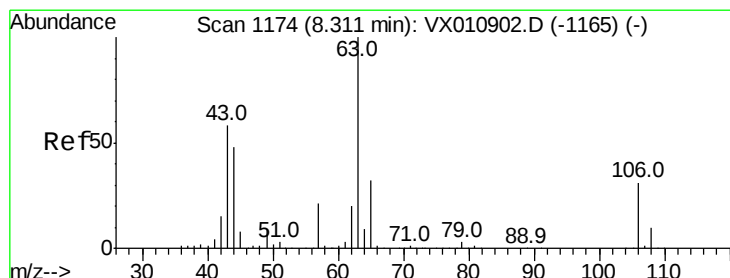
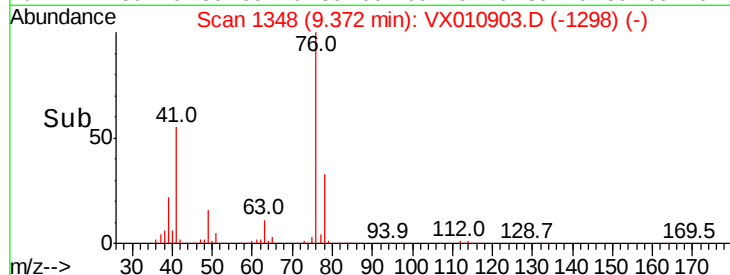
0

9.30

9.40

9.50

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 533.586 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010903.D

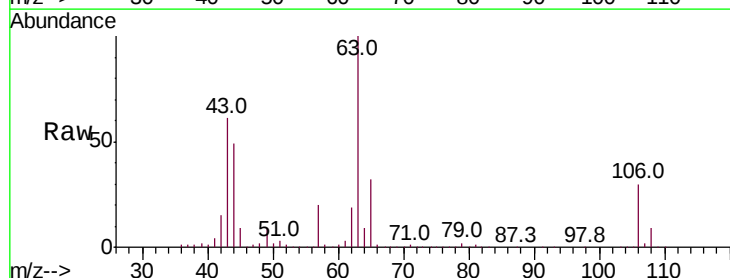
Acq: 16 Jul 2019 11:16

Tgt Ion: 63 Resp: 878620

Ion Ratio Lower Upper

63 100

106 30.0 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.31

600000

500000

400000

300000

200000

100000

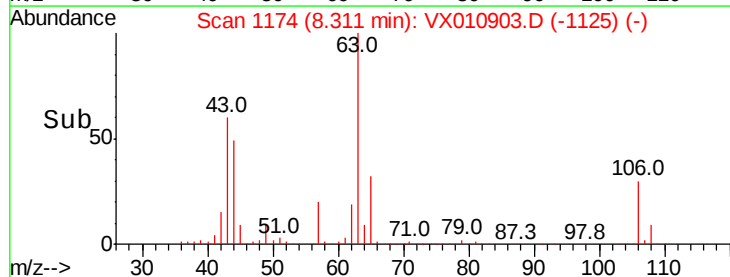
0

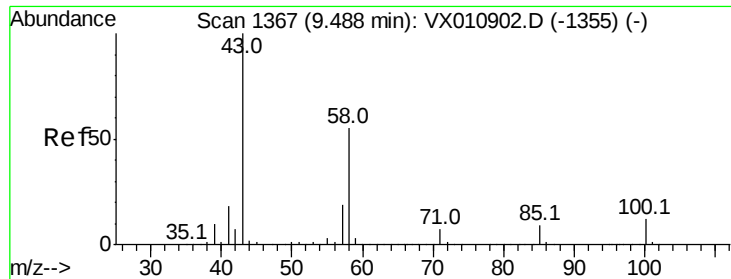
8.20

8.30

8.40

Time-->





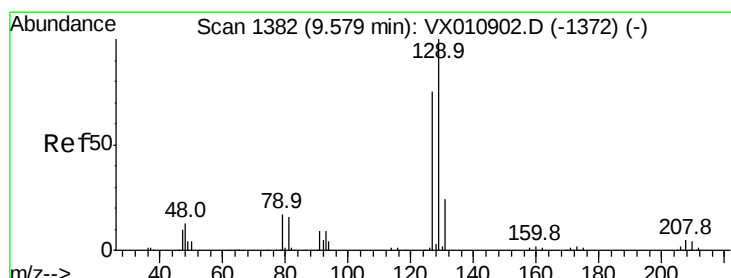
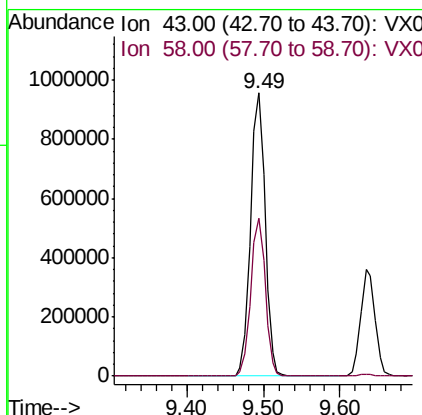
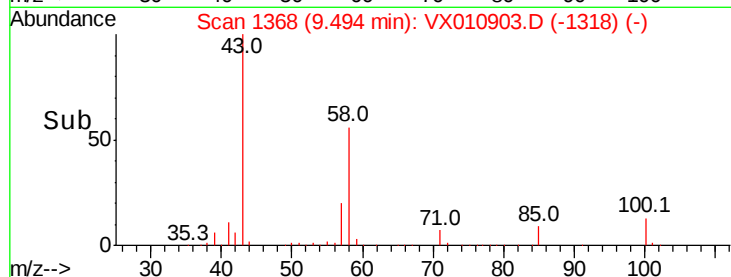
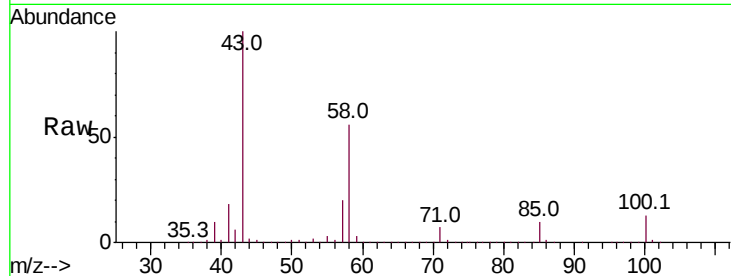
#59
2-Hexanone
Concen: 543.371 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1273233
Ion Ratio Lower Upper
43 100
58 55.6 28.0 83.9

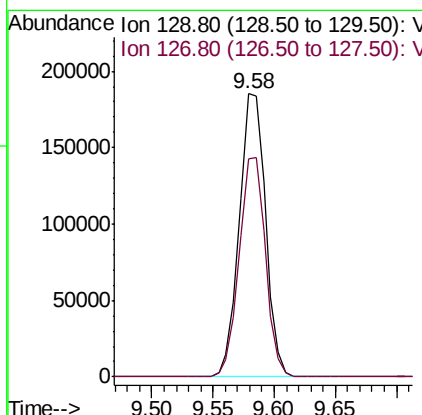
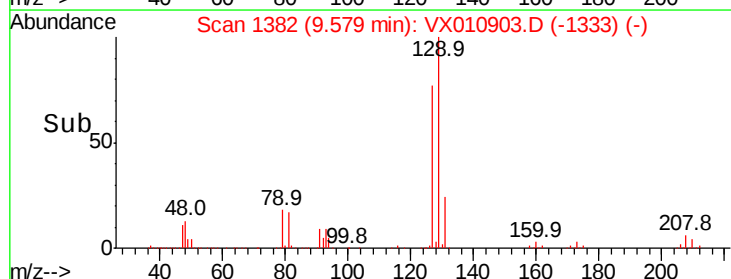
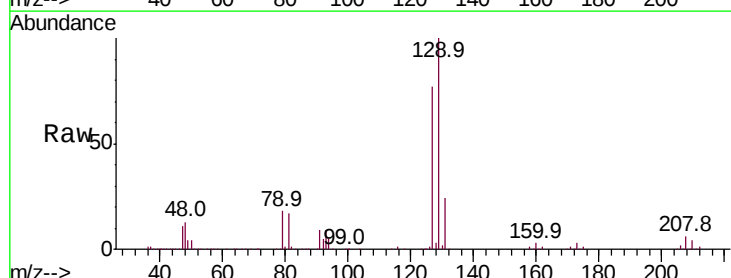
Manual Integrations
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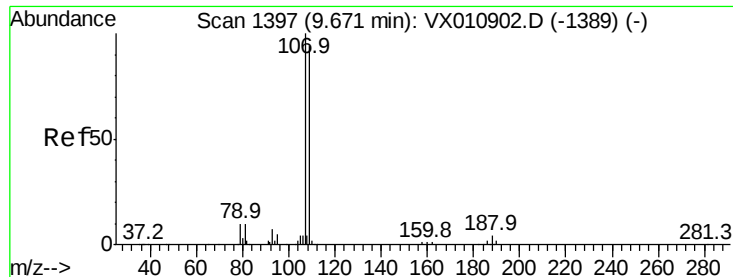
MMDadoda
7/17/2019 10:45:12 AM



#60
Dibromochloromethane
Concen: 107.862 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion: 129 Resp: 275523
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 106.223 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 263654

Ion Ratio Lower Upper

107 100

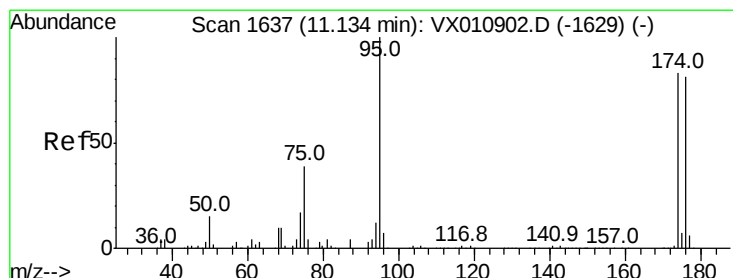
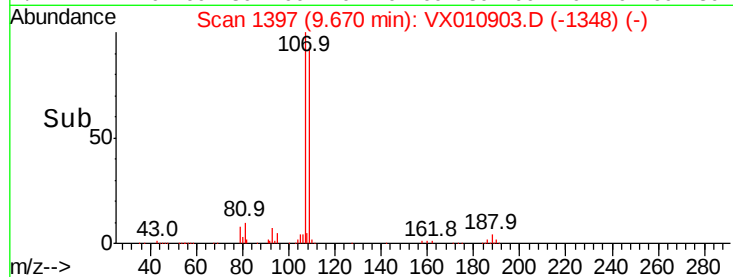
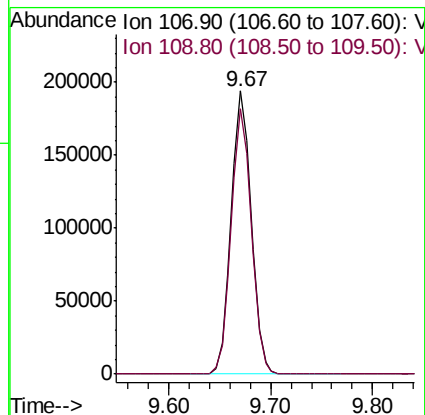
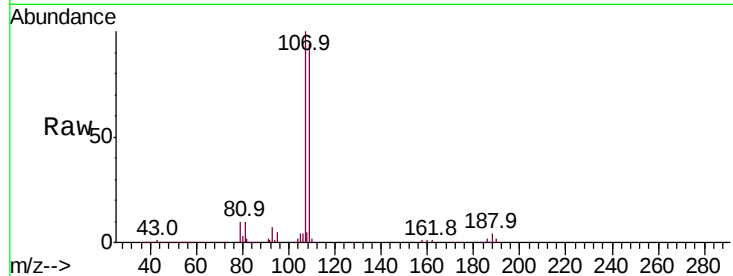
109 94.1 75.4 113.0

Manual Integrations

APPROVED

MMDadoda

7/17/2019 10:45:12 AM



#62

4-Bromofluorobenzene

Concen: 105.737 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

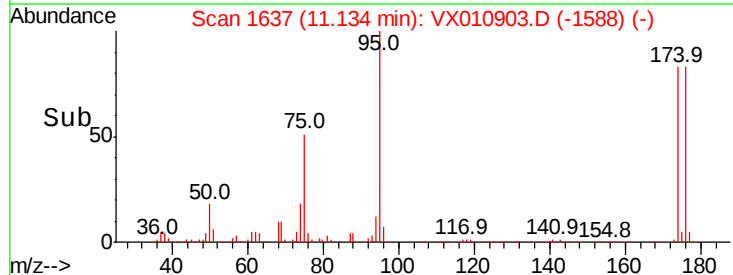
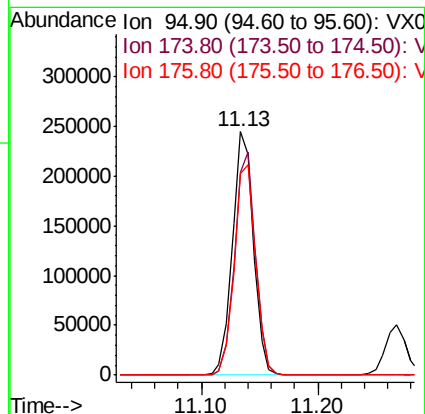
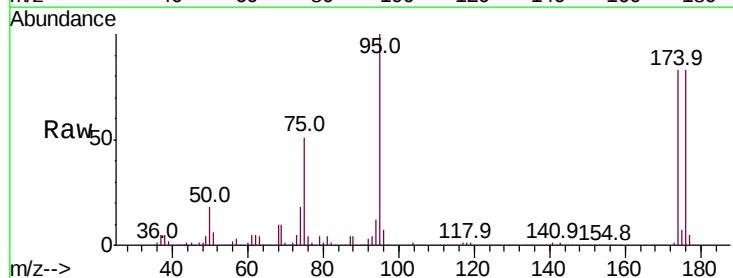
Tgt Ion: 95 Resp: 307729

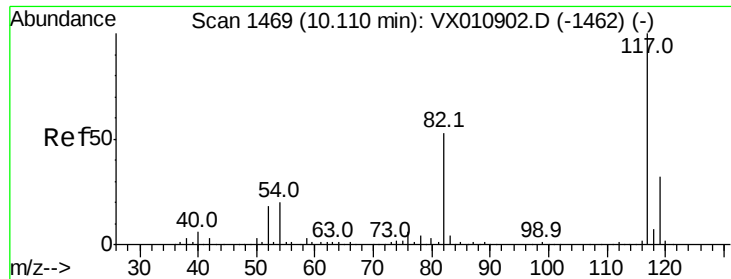
Ion Ratio Lower Upper

95 100

174 91.0 0.0 180.6

176 87.9 0.0 173.8





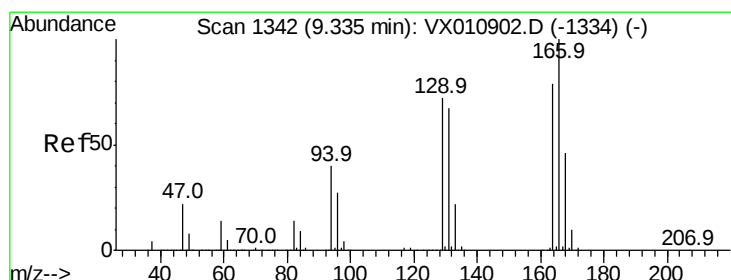
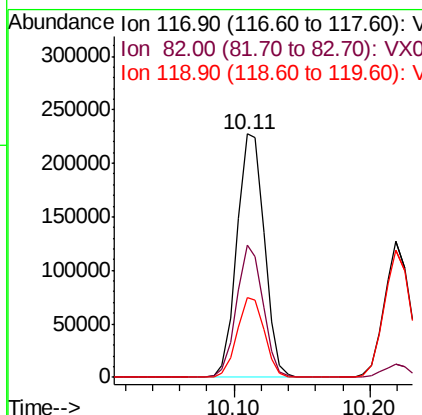
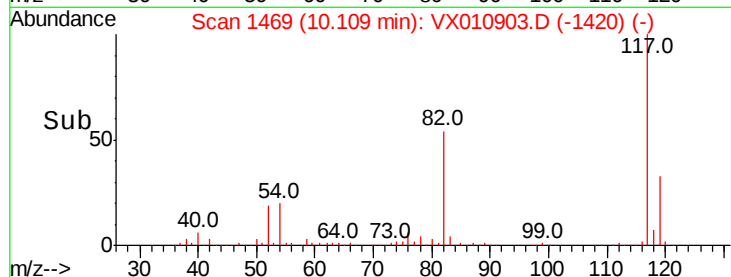
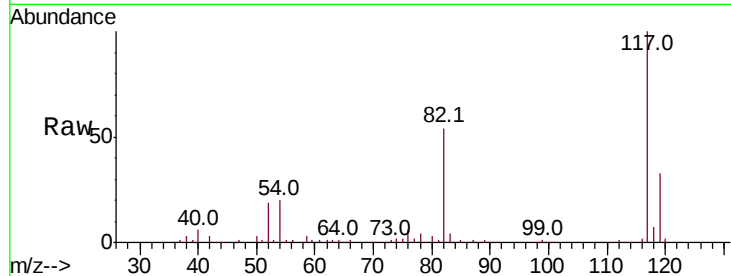
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.1	42.6	63.8
119	32.6	25.9	38.9

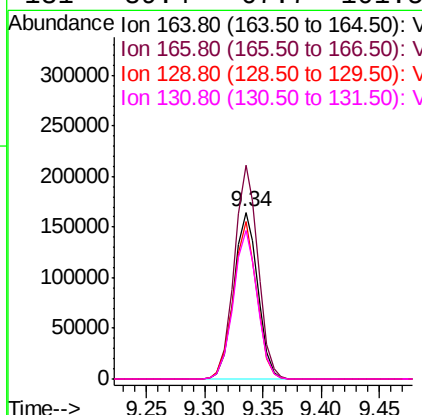
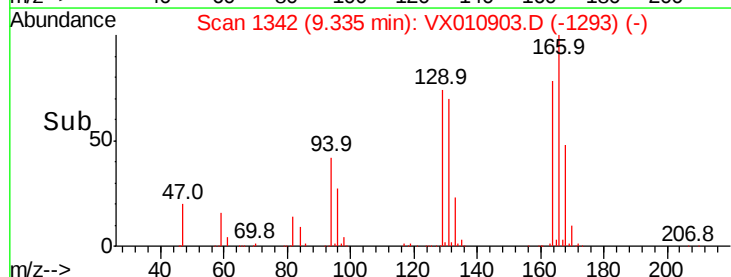
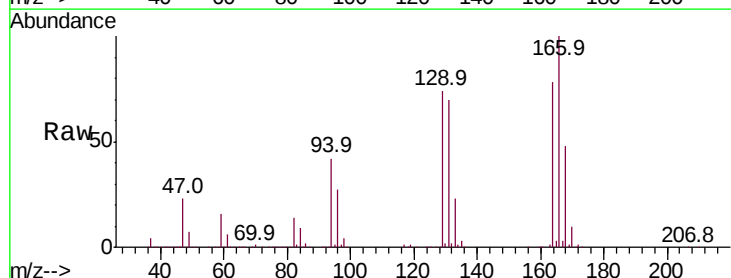
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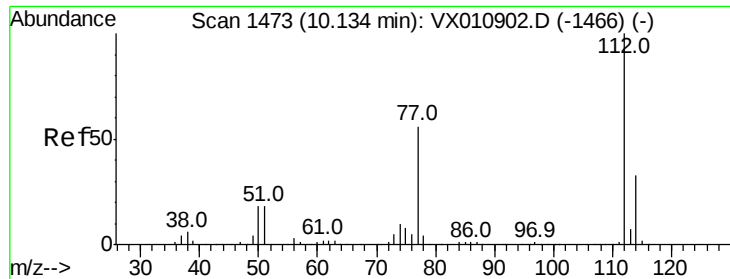
MMDadoda
7/17/2019 10:45:12 AM



#64
Tetrachloroethene
Concen: 91.108 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	100.8	151.2
129	94.4	72.6	109.0
131	89.4	67.7	101.5





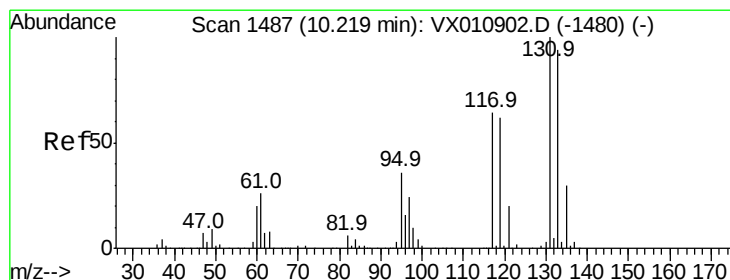
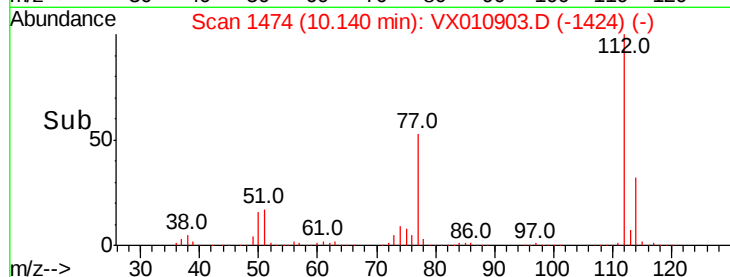
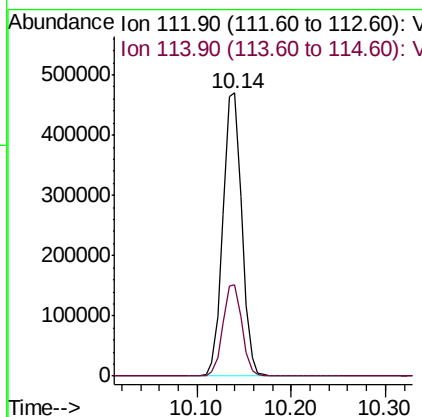
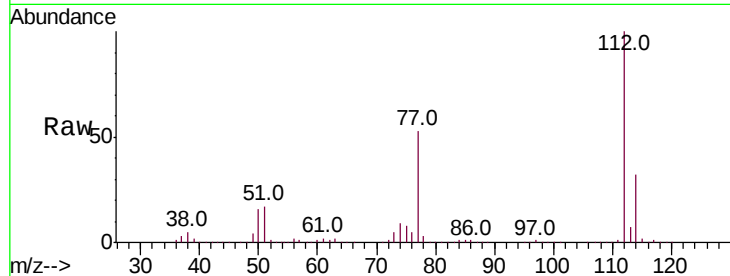
#65
Chlorobenzene
Concen: 100.739 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 652973
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.4

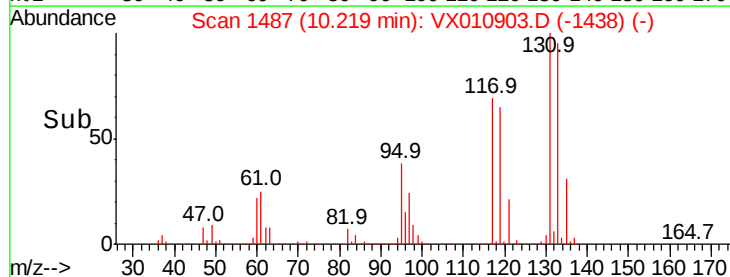
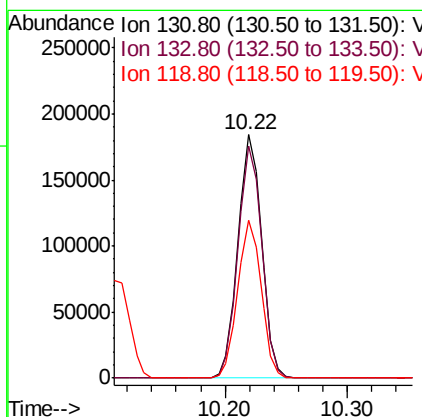
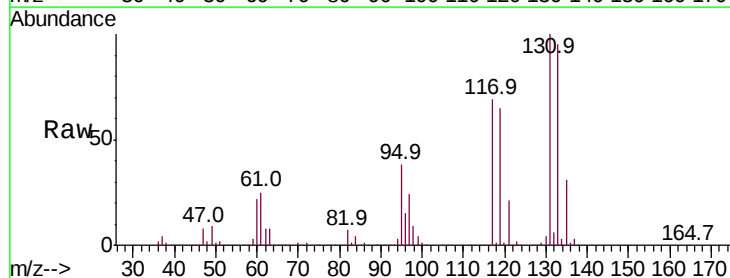
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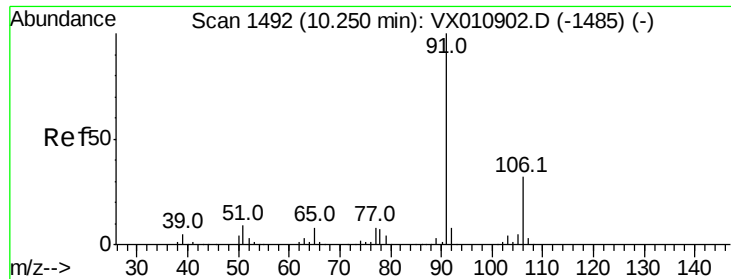
MMDadoda
7/17/2019 10:45:12 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 104.481 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion:131 Resp: 246573
Ion Ratio Lower Upper
131 100
133 95.7 47.1 141.4
119 64.6 31.9 95.7





#67

Ethyl Benzene

Concen: 103.648 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 1140580

Ion Ratio Lower Upper

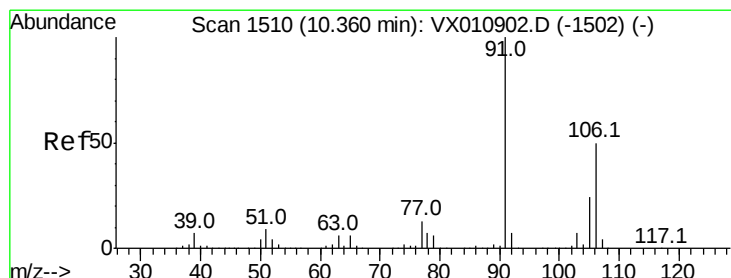
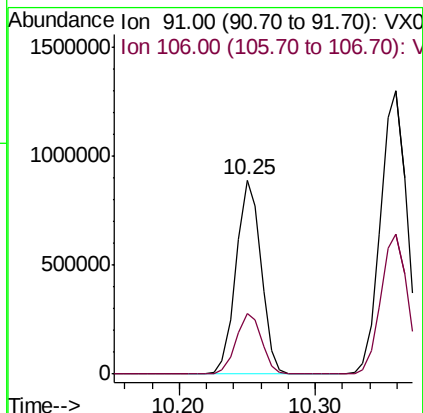
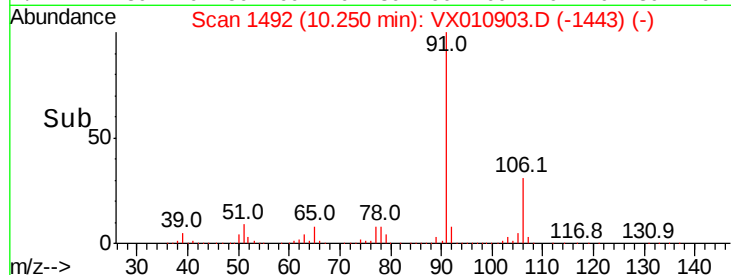
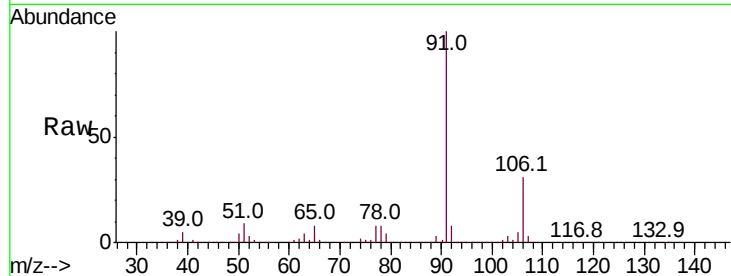
91 100

106 31.4 25.4 38.2

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#68

m/p-Xylenes

Concen: 205.241 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010903.D

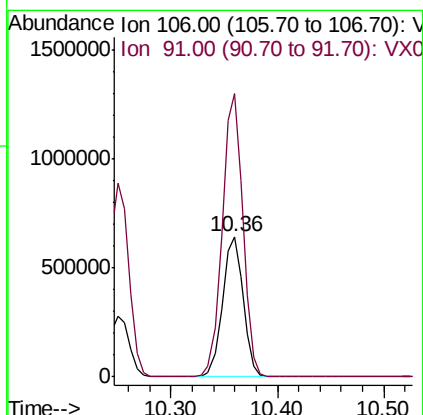
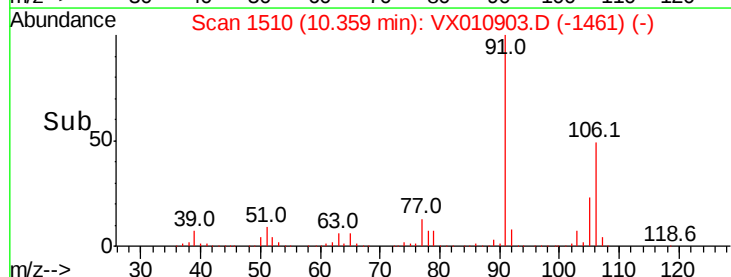
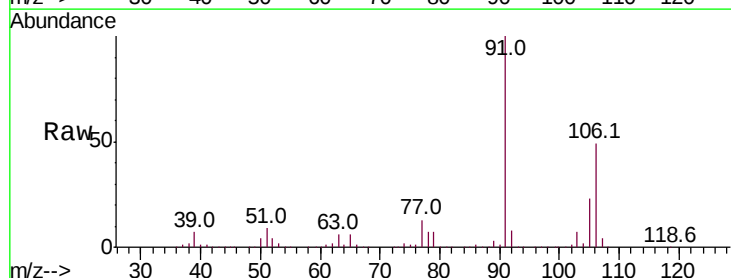
Acq: 16 Jul 2019 11:16

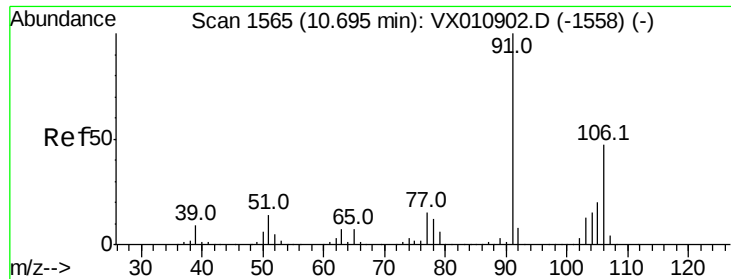
Tgt Ion: 106 Resp: 873004

Ion Ratio Lower Upper

106 100

91 200.7 160.1 240.1





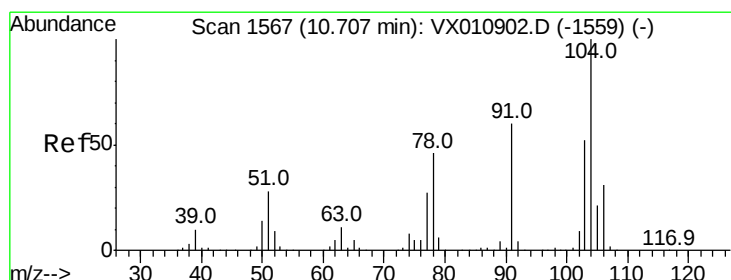
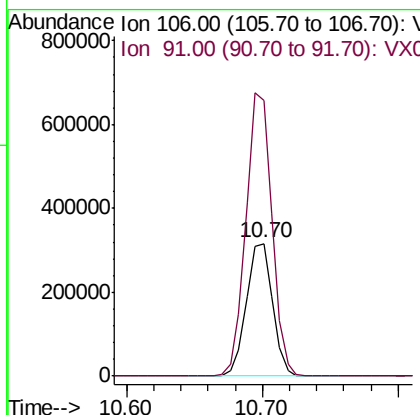
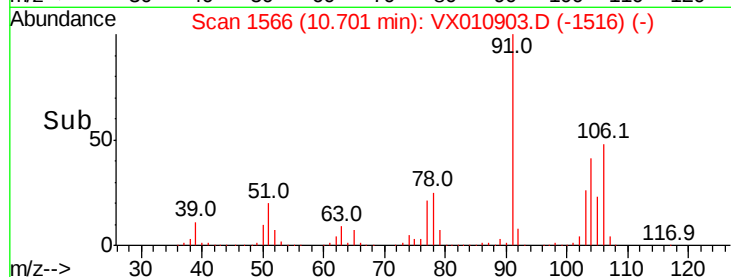
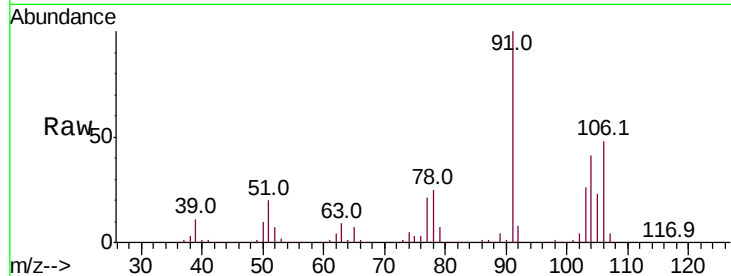
#69
o-Xylene
Concen: 102.399 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tot Ion:106 Resp: 428856
Ion Ratio Lower Upper
106 100
91 211.9 105.1 315.3

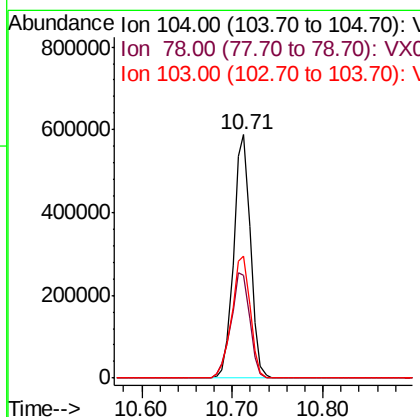
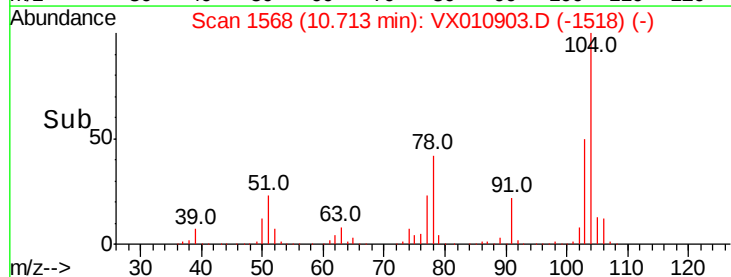
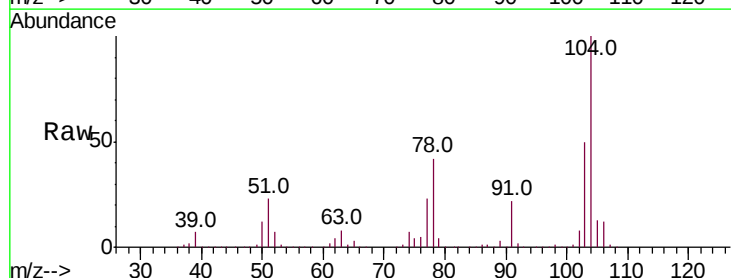
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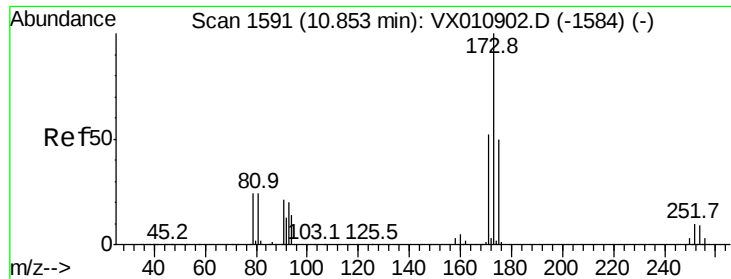
MMDadoda
7/17/2019 10:45:12 AM



#70
Styrene
Concen: 107.086 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion:104 Resp: 751860
Ion Ratio Lower Upper
104 100
78 49.0 38.8 58.2
103 55.3 44.2 66.4





#71

Bromoform

Concen: 109.609 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 221151

Ion Ratio Lower Upper

173 100

175 48.3 24.6 73.6

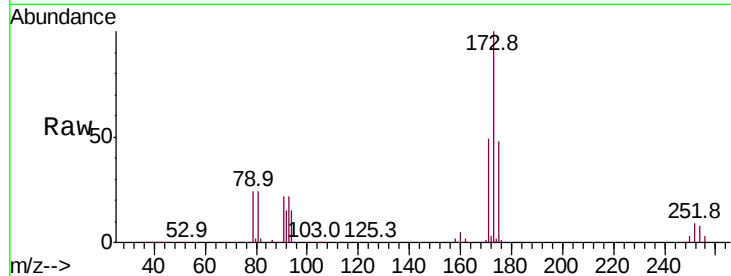
254 0.2 0.1 0.1#

Manual Integrations

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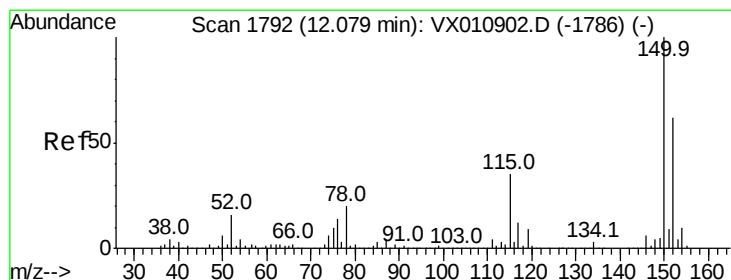
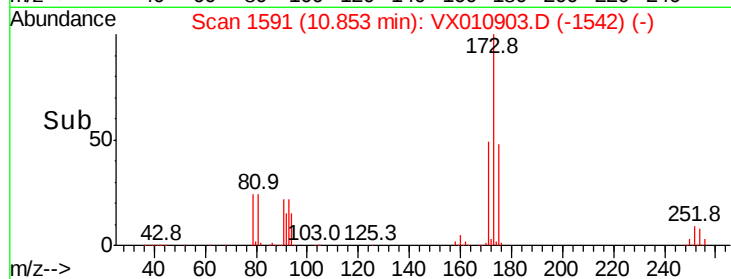
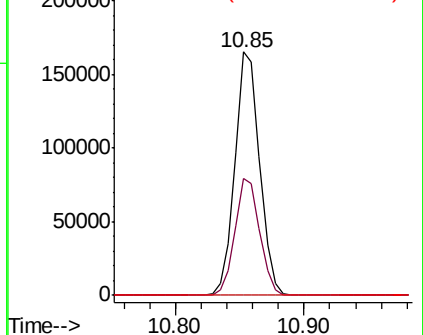
7/17/2019 10:45:12 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

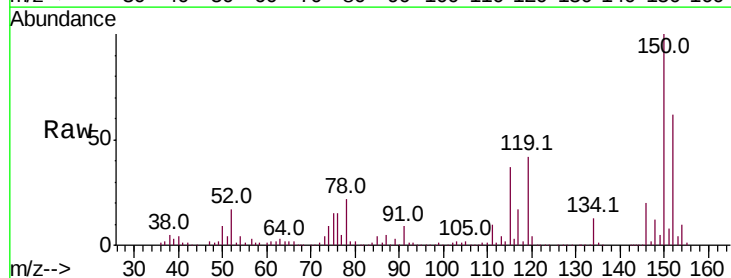
Tgt Ion:152 Resp: 171880

Ion Ratio Lower Upper

152 100

115 104.3 39.7 119.1

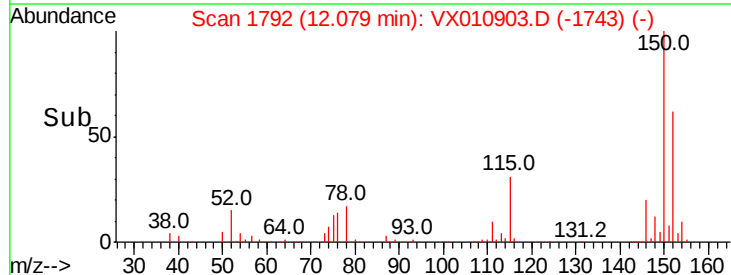
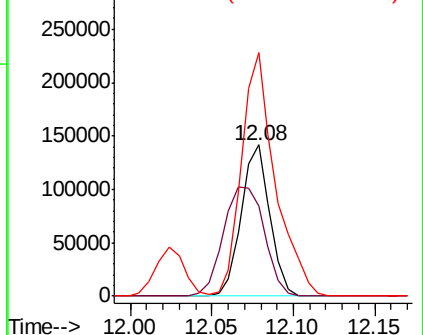
150 190.6 0.0 345.6

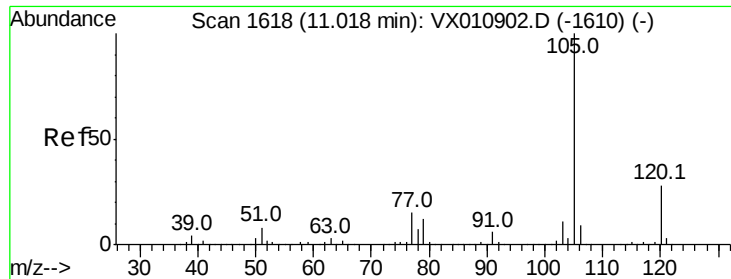


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 100.209 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC100

Tot Ion:105 Resp: 1165327

Ion Ratio Lower Upper

105 100

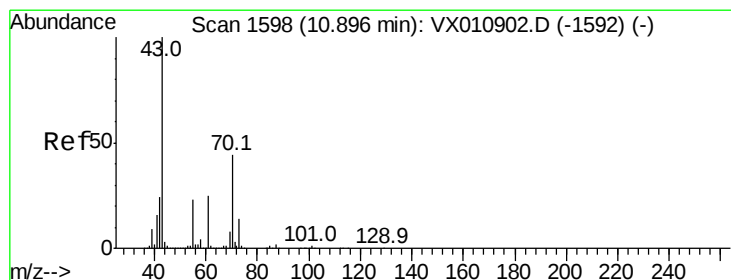
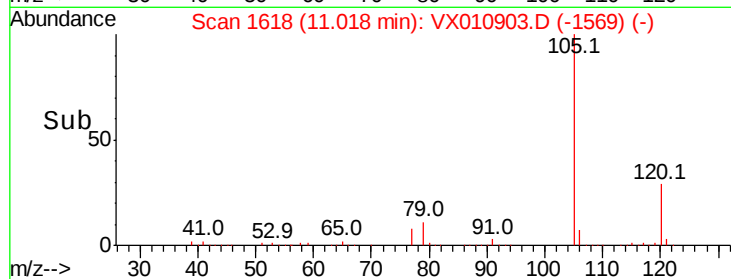
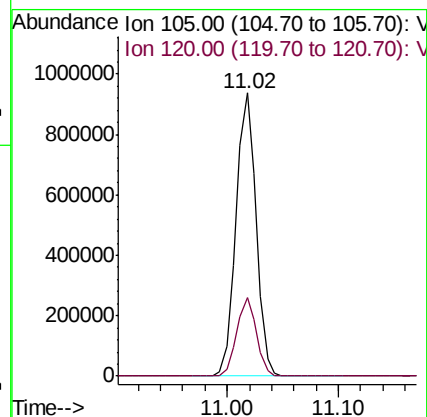
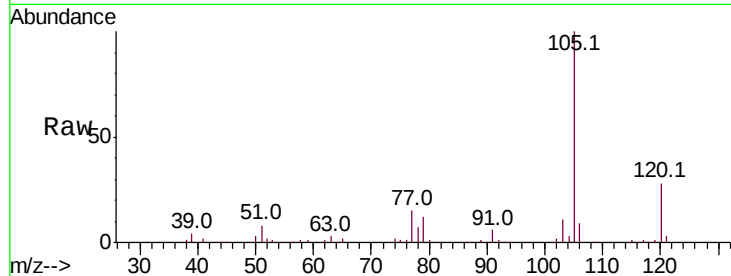
120 27.1 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 107.206 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion: 43 Resp: 471958

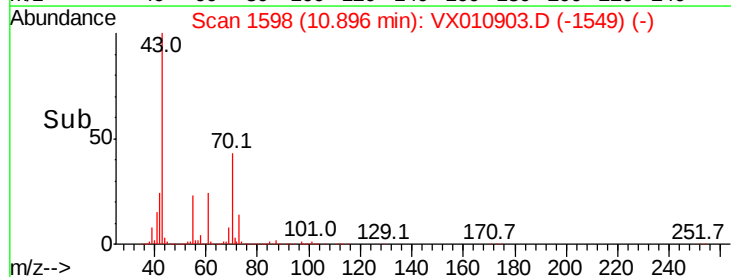
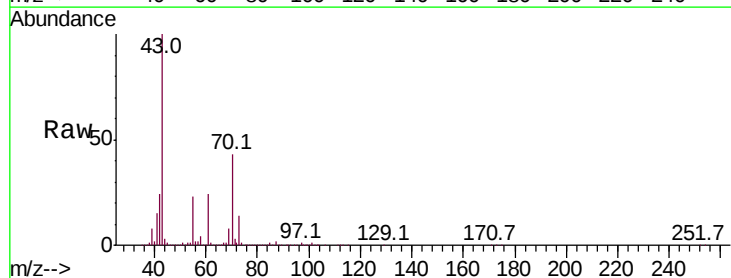
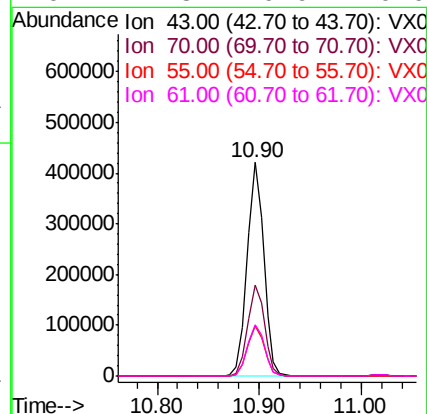
Ion Ratio Lower Upper

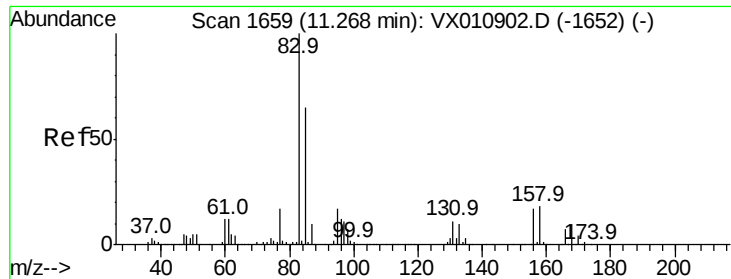
43 100

70 43.4 34.7 52.1

55 24.0 19.1 28.7

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 97.400 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 374685

Ion Ratio Lower Upper

83 100

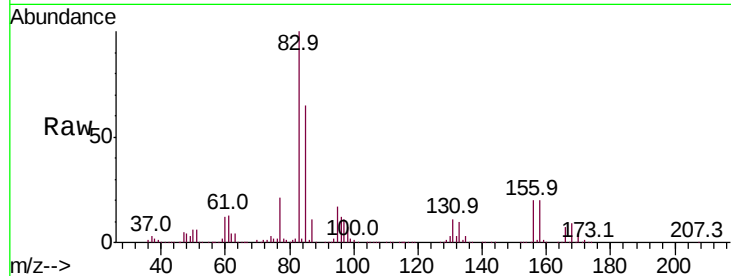
131 11.1 5.5 16.4

85 65.0 32.3 96.9

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MMDadoda

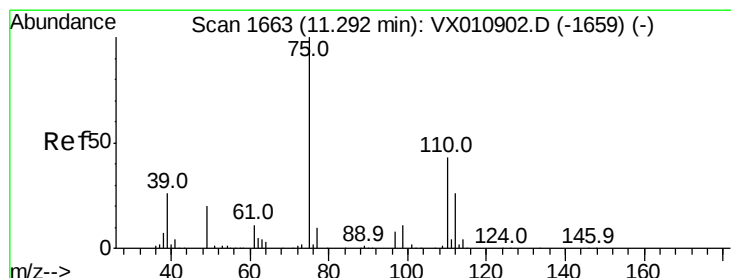
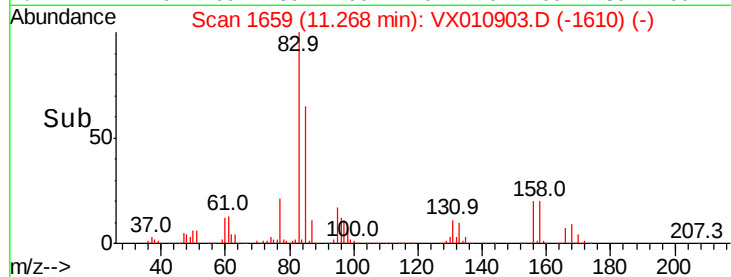
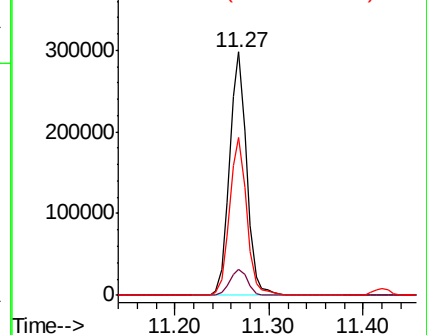
7/17/2019 10:45:12 AM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 98.751 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX010903.D

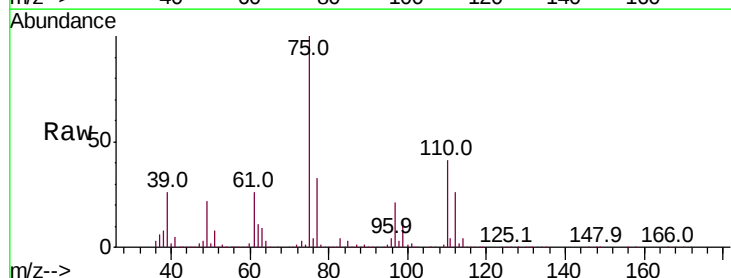
Acq: 16 Jul 2019 11:16

Tgt Ion: 75 Resp: 308710

Ion Ratio Lower Upper

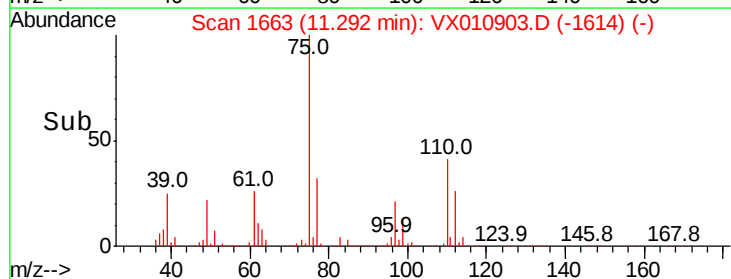
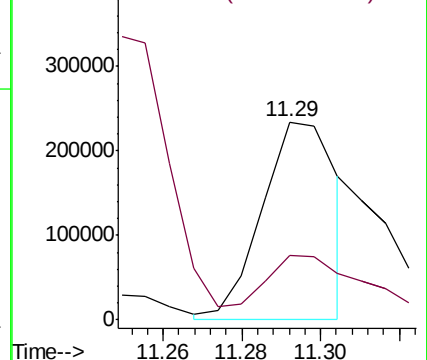
75 100

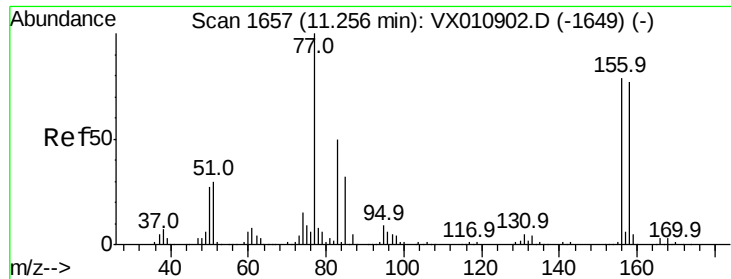
77 45.2 21.3 64.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 96.911 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 314041

Ion Ratio Lower Upper

156 100

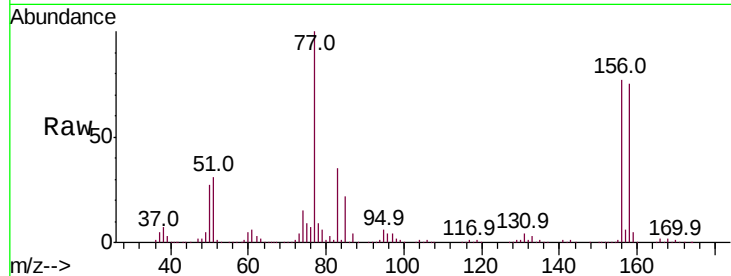
77 140.1 68.7 206.1

158 98.1 47.9 143.7

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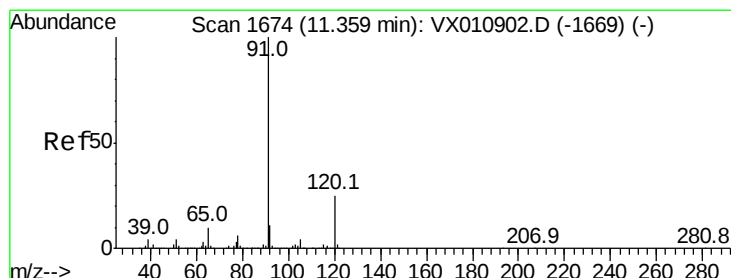
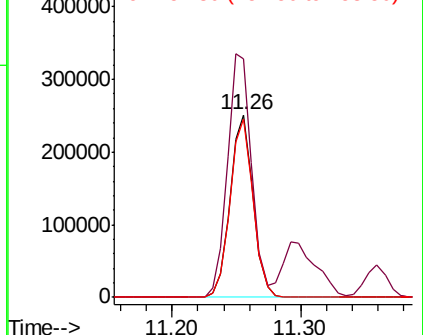
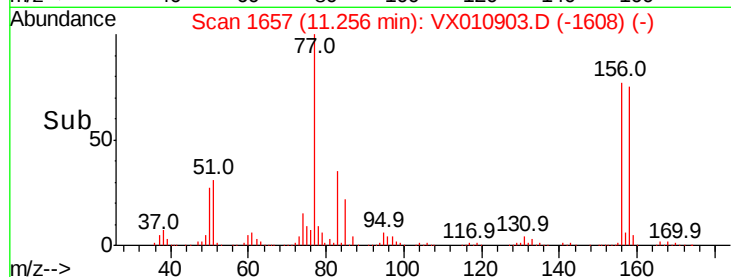
7/17/2019 10:45:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 102.981 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010903.D

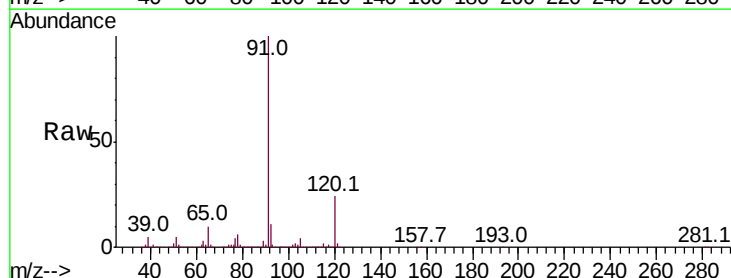
Acq: 16 Jul 2019 11:16

Tgt Ion: 91 Resp: 1317305

Ion Ratio Lower Upper

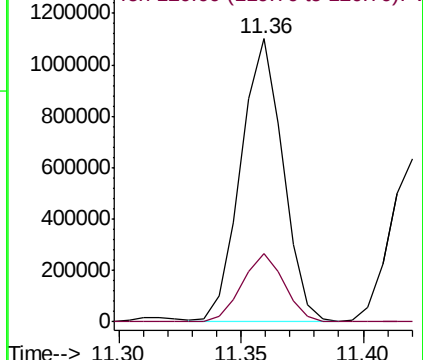
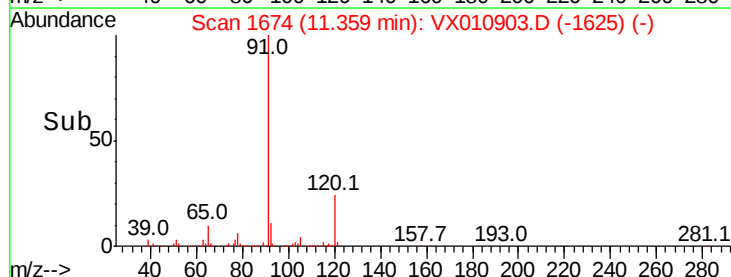
91 100

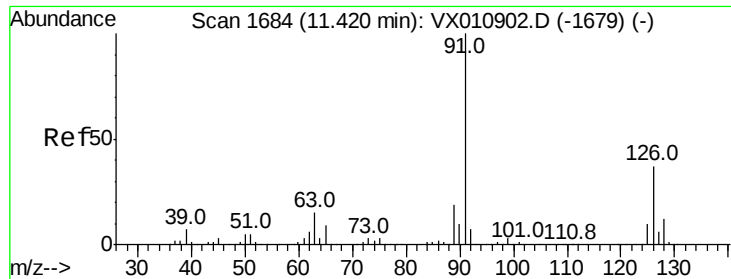
120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





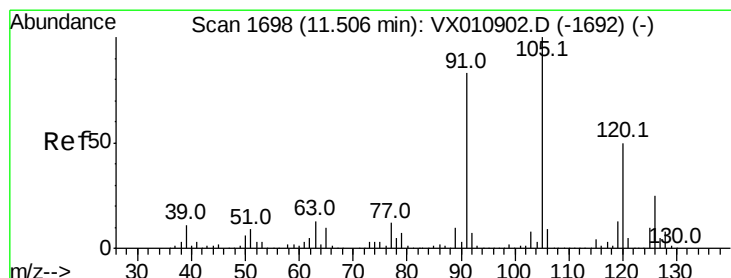
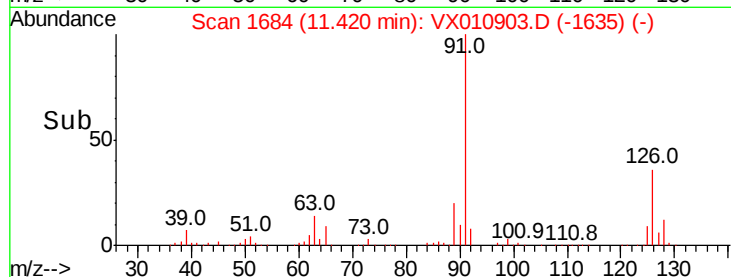
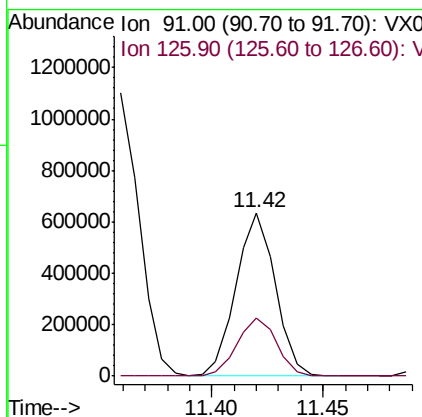
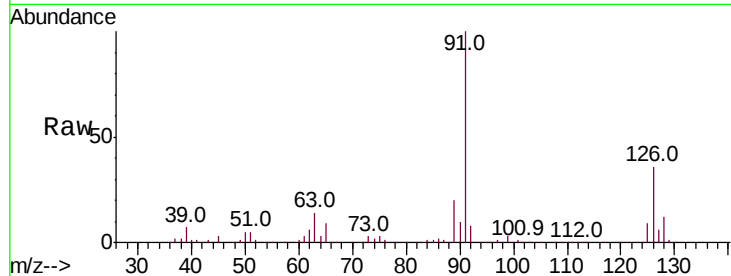
#79
 2-Chlorotoluene
 Concen: 102.202 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 779605
 Ion Ratio Lower Upper
 91 100
 126 36.0 18.0 54.0

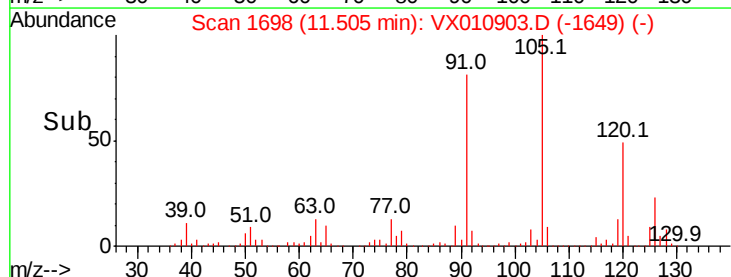
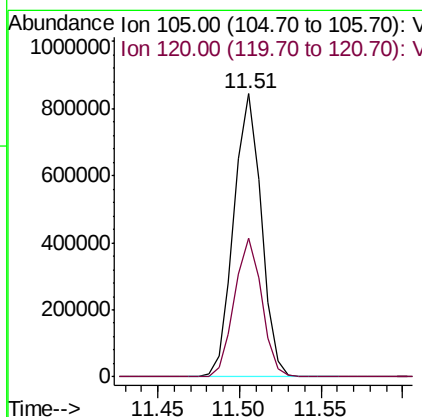
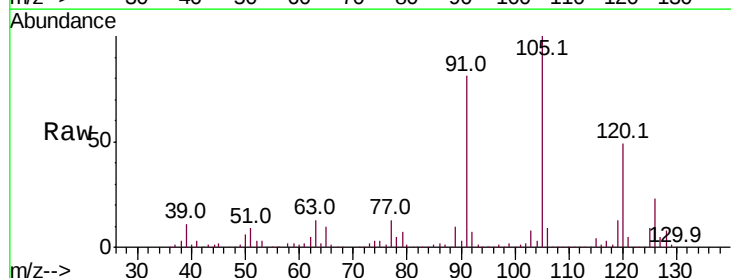
Manual Integrations
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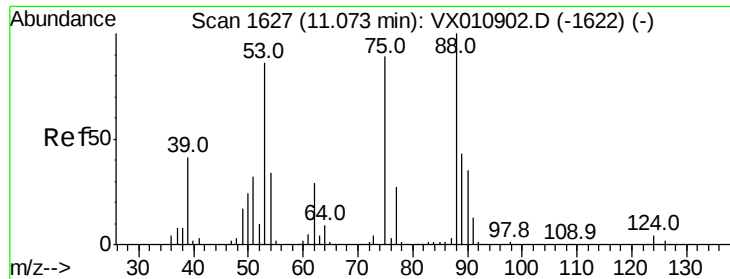
MMDadoda
 7/17/2019 10:45:12 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 103.195 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Tgt Ion: 105 Resp: 992122
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 99.423 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 129105

Ion Ratio Lower Upper

75 100

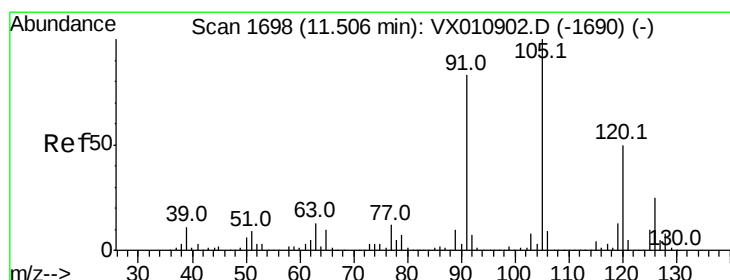
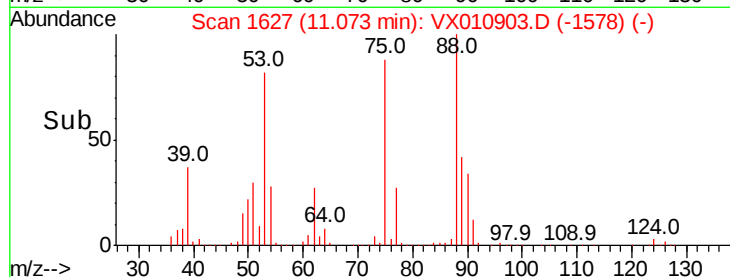
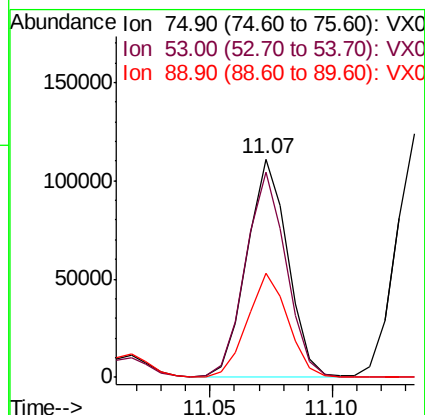
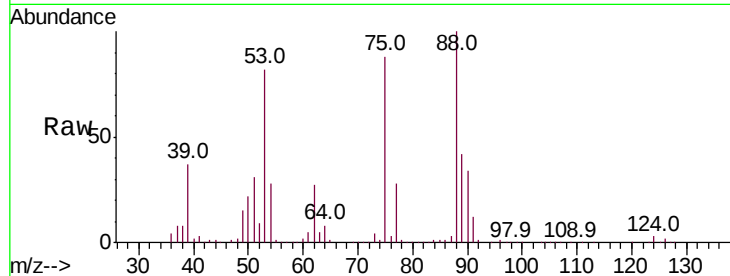
53 93.7 76.7 115.1

89 47.4 38.5 57.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 105.069 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX010903.D

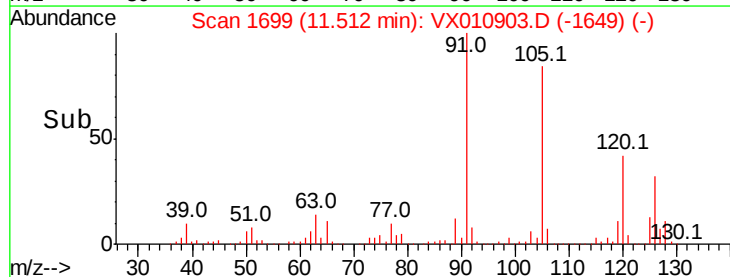
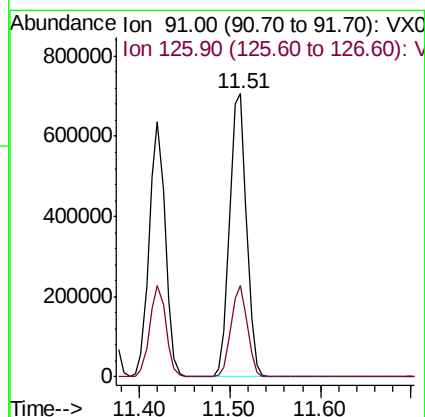
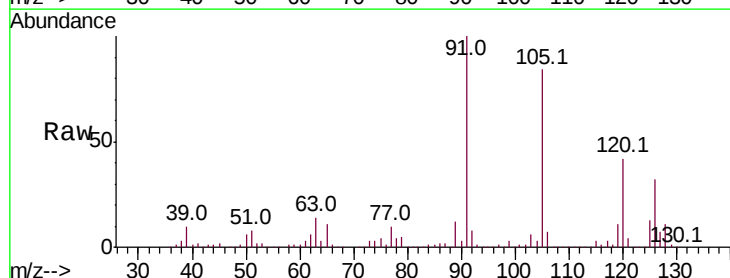
Acq: 16 Jul 2019 11:16

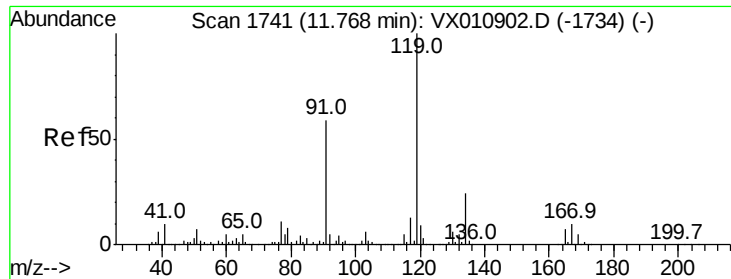
Tgt Ion: 91 Resp: 913057

Ion Ratio Lower Upper

91 100

126 31.1 15.9 47.7





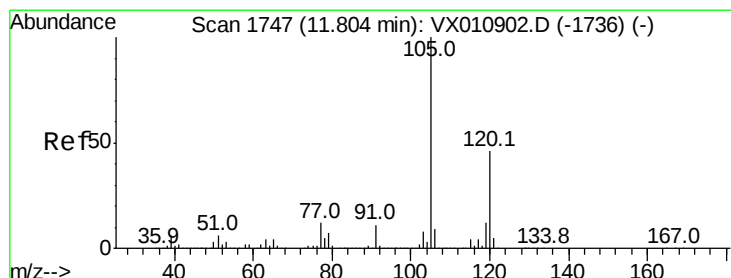
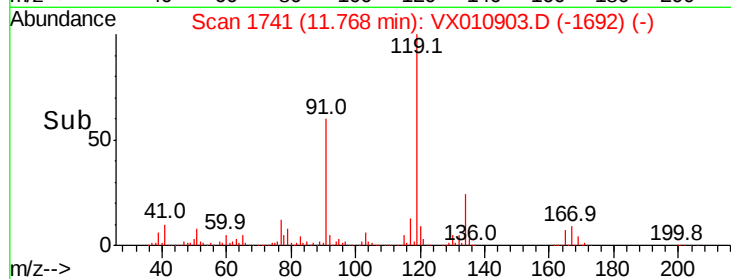
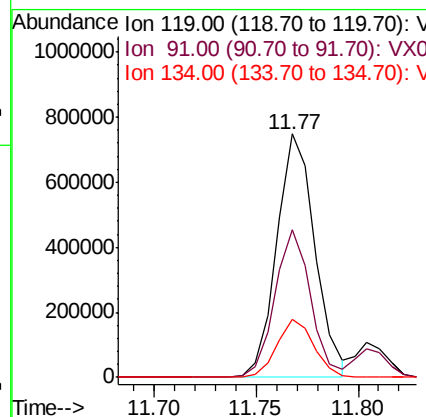
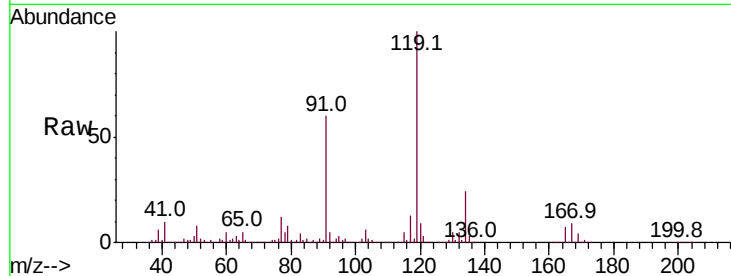
#83
 tert-Butylbenzene
 Concen: 101.513 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	976880		
91	56.8	28.6	85.8	
134	23.1	11.6	34.8	

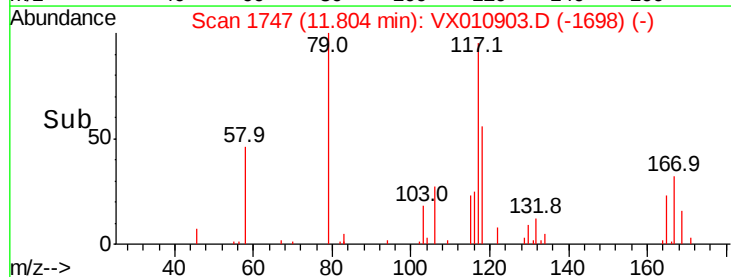
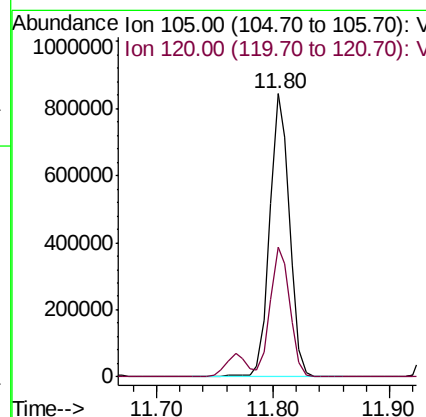
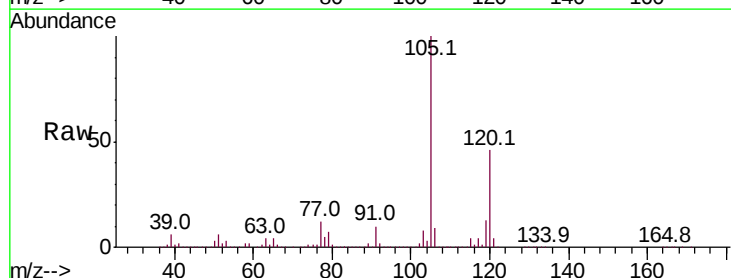
Manual Integrations
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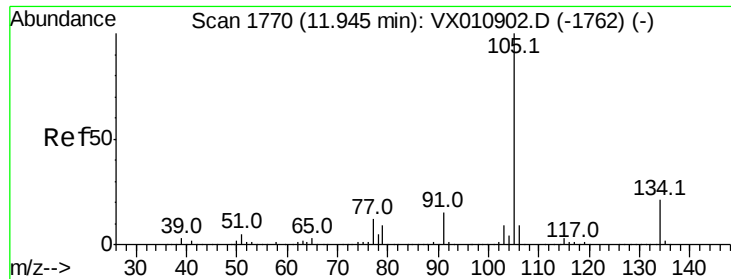
MMDadoda
 7/17/2019 10:45:12 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 103.515 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	998201		
120	45.4	22.9	68.5	





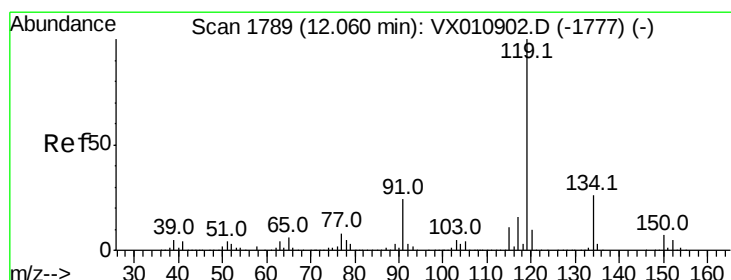
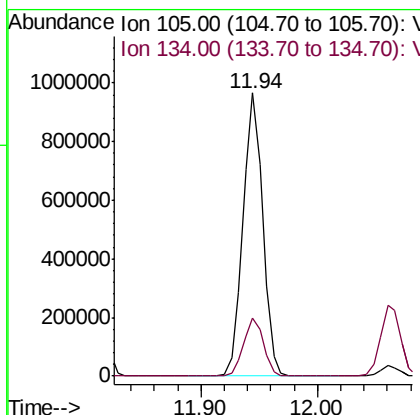
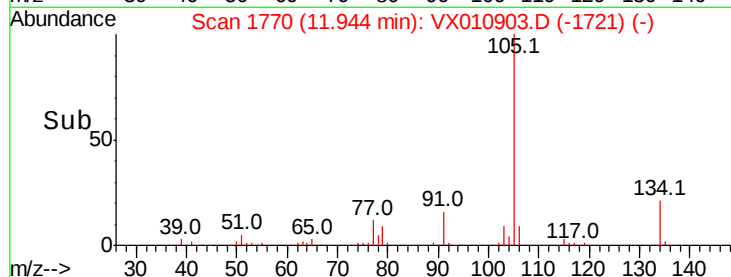
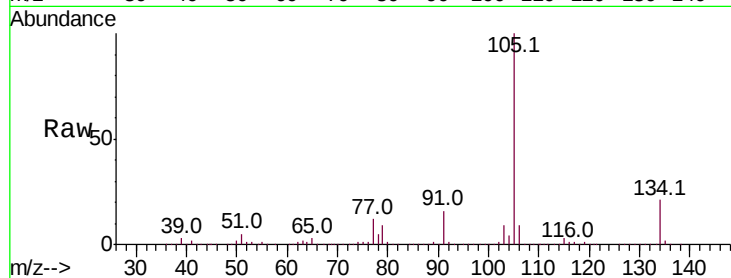
#85
 sec-Butylbenzene
 Concen: 101.770 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDIC100

Tot Ion:105 Resp: 1149992
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4

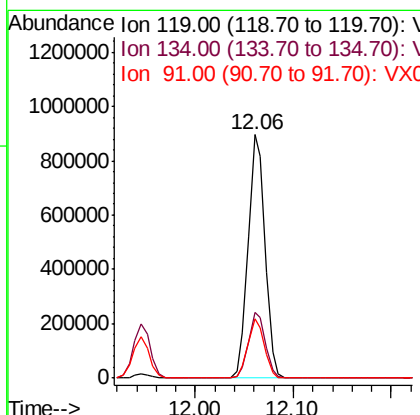
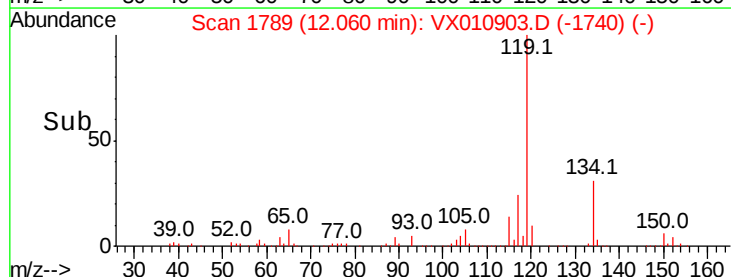
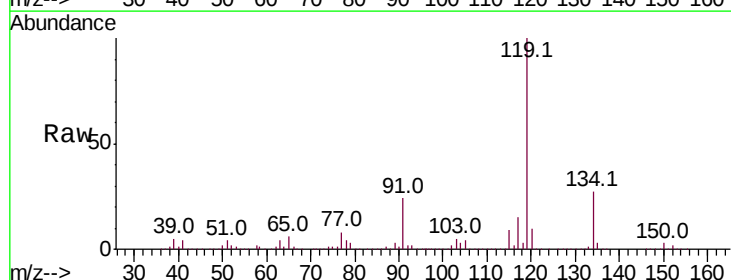
Manual Integrations
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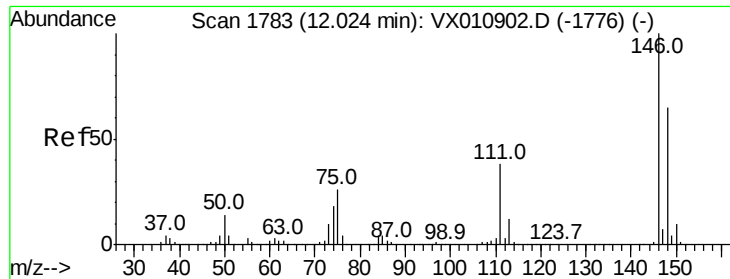
MMDadoda
 7/17/2019 10:45:12 AM



#86
 p-Isopropyltoluene
 Concen: 102.932 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Tgt Ion:119 Resp: 1076027
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.1
 91 23.7 11.8 35.4





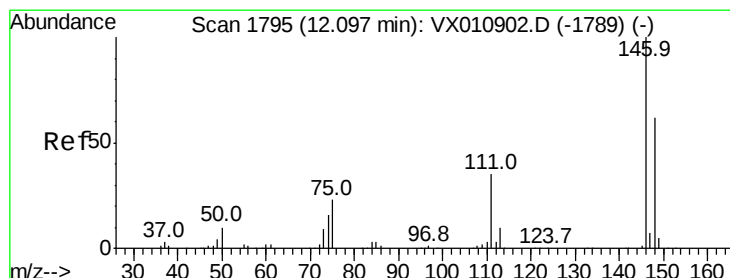
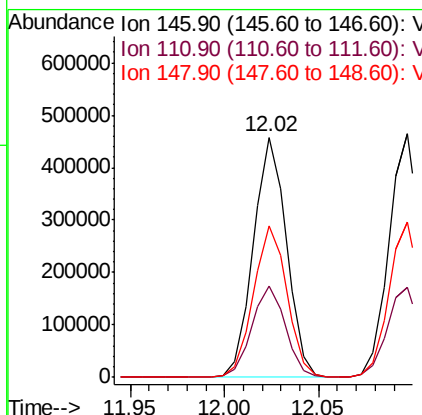
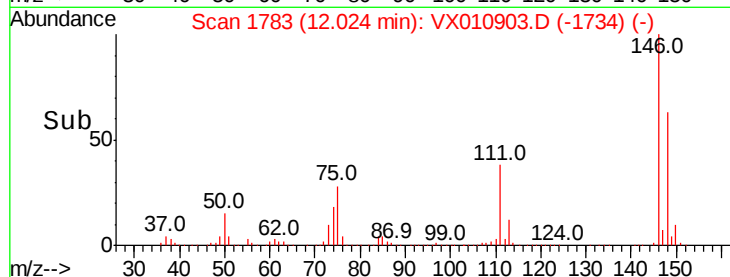
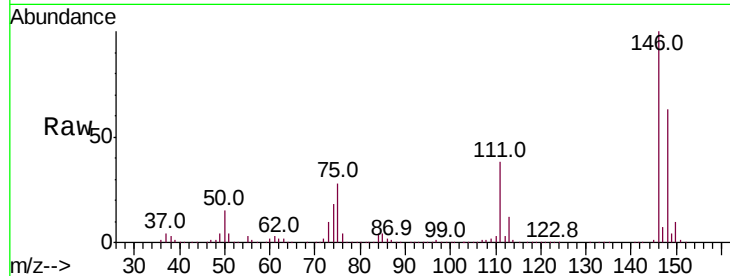
#87
 1,3-Dichlorobenzene
 Concen: 98.961 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.9	56.9
148	63.3	32.2	96.6

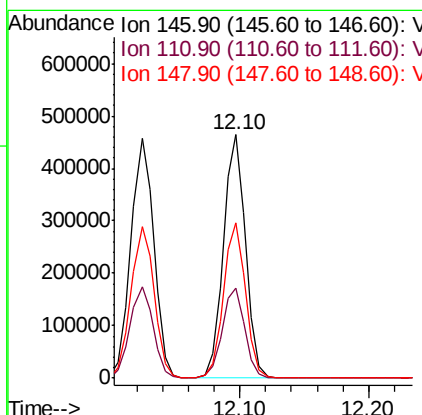
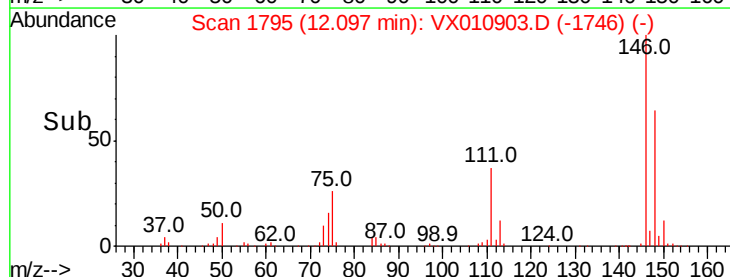
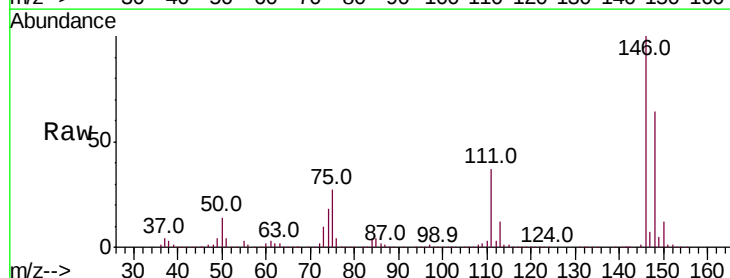
Manual Integrations
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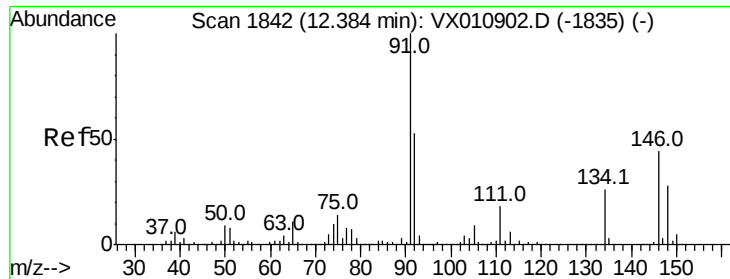
MMDadoda
 7/17/2019 10:45:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 97.110 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	63.6	31.6	94.7





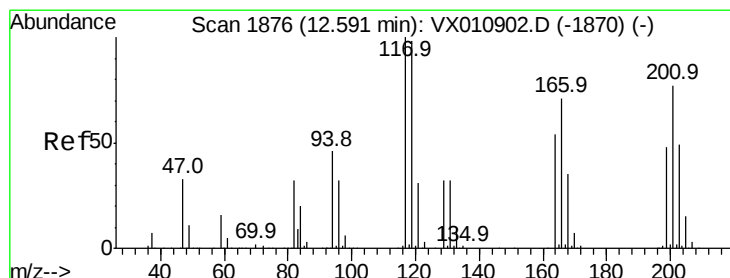
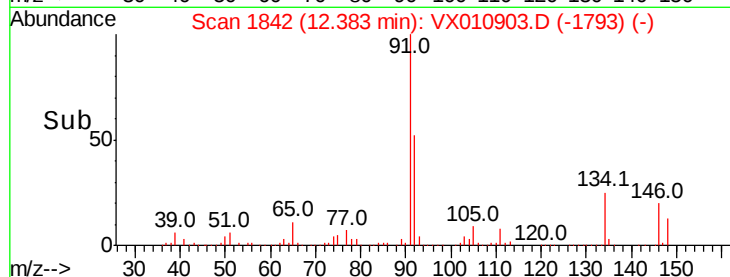
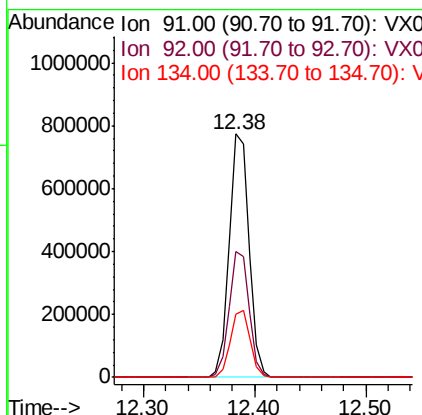
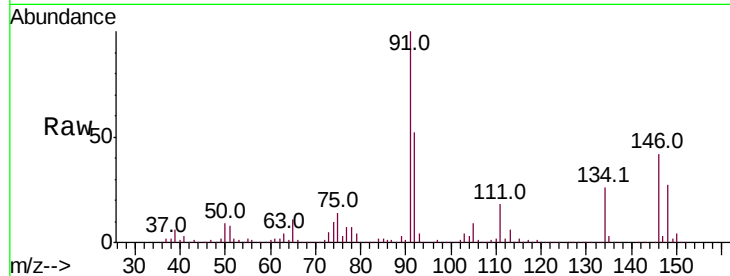
#89
n-Butylbenzene
Concen: 106.783 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	27.3	13.8	41.3

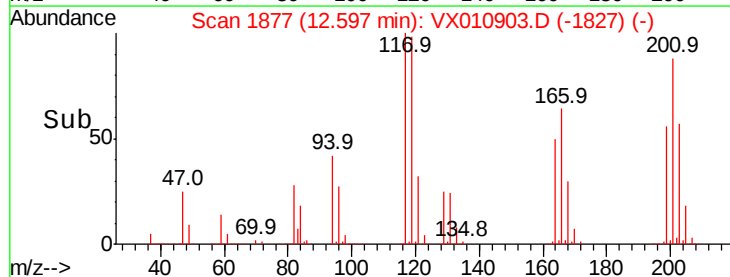
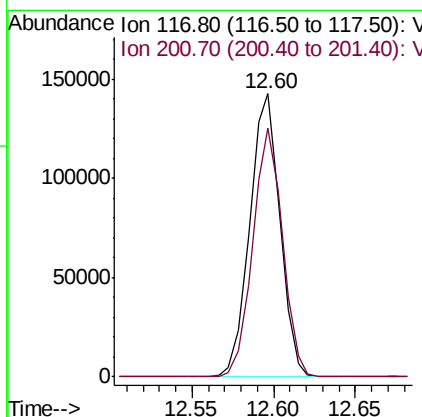
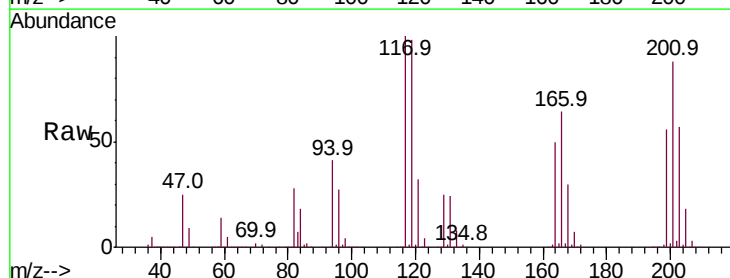
Manual Integrations
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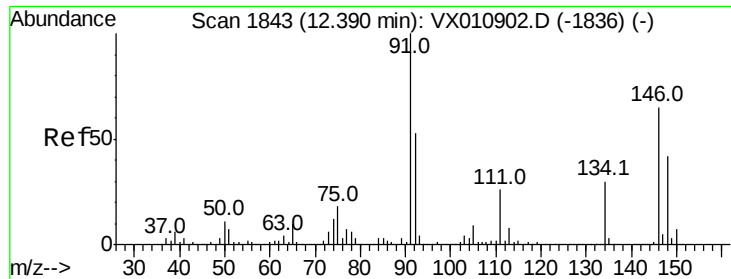
MMDadoda
7/17/2019 10:45:12 AM



#90
Hexachloroethane
Concen: 103.675 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VX010903.D
Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	43.3	129.8





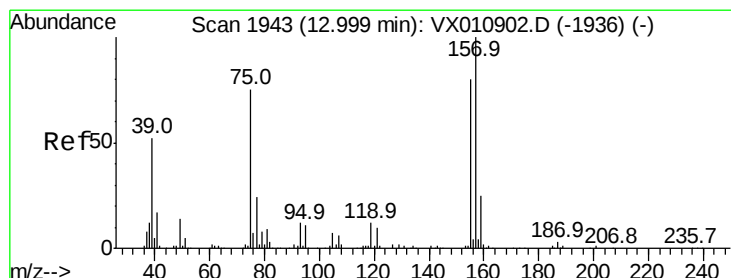
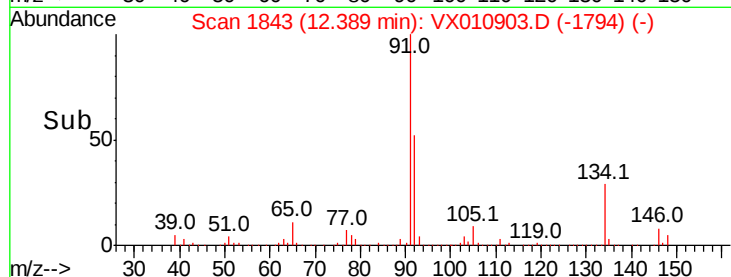
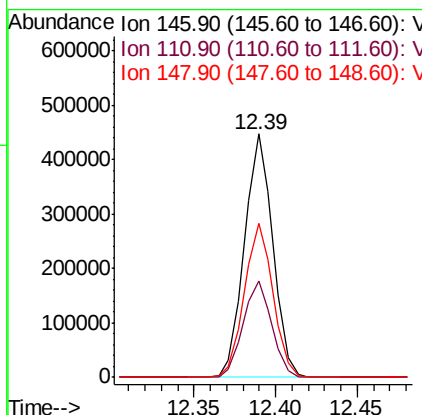
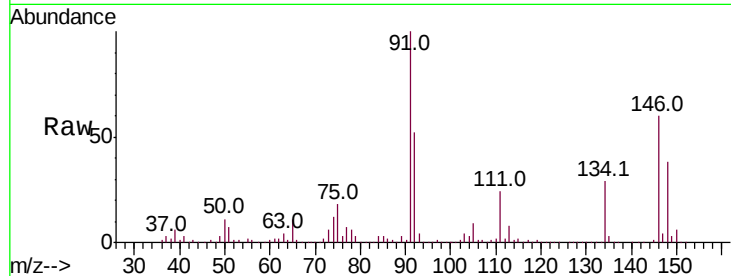
#91
 1,2-Dichlorobenzene
 Concen: 96.529 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.9	59.7
148	63.6	32.0	96.2

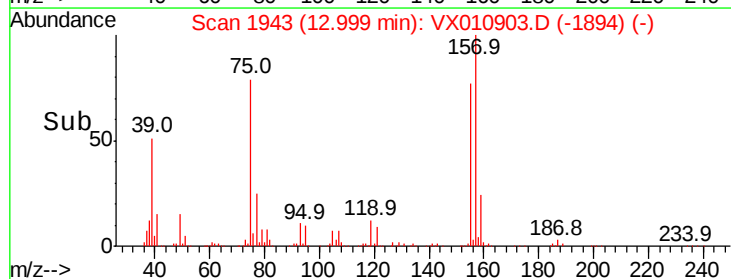
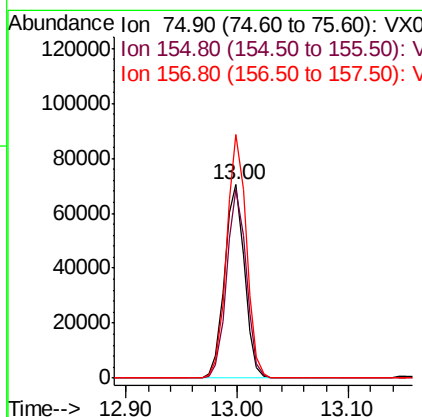
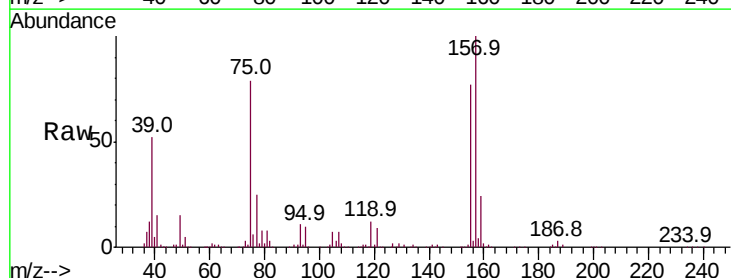
Manual Integrations
 APPROVED

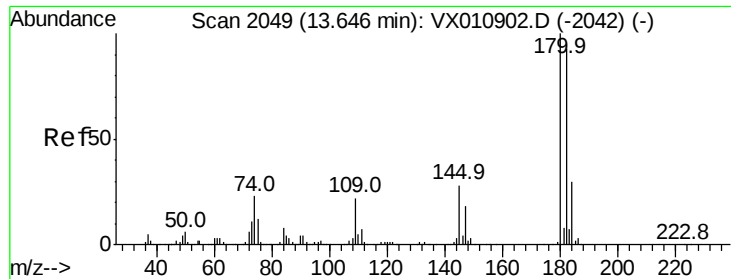
MMDadoda
 7/17/2019 10:45:12 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 104.938 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX010903.D
 Acq: 16 Jul 2019 11:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	48.7	146.1
157	123.9	62.5	187.6





#93

1,2,4-Trichlorobenzene

Concen: 99.905 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

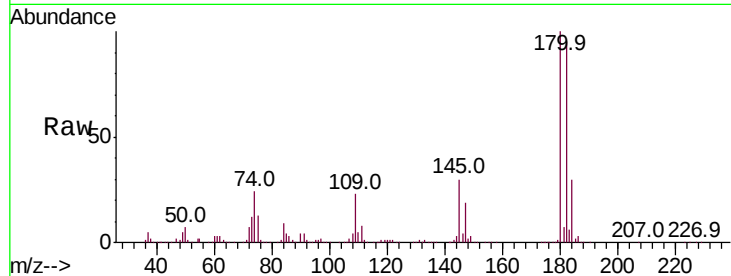
ClientSampleId :

VSTDIC100

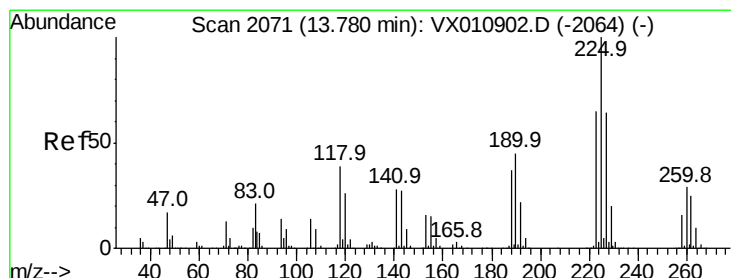
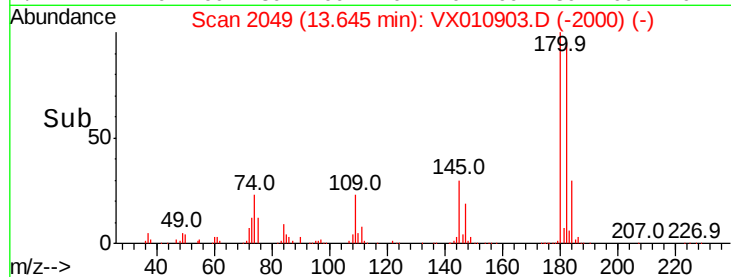
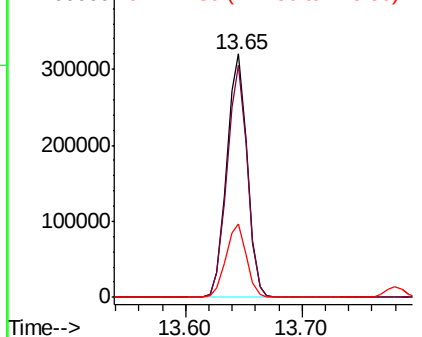
Tot Ion:	180	Resp:	389004
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.3
145	30.1	14.8	44.4

Manual Integrations
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7/17/2019 10:45:12 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 97.446 ug/l

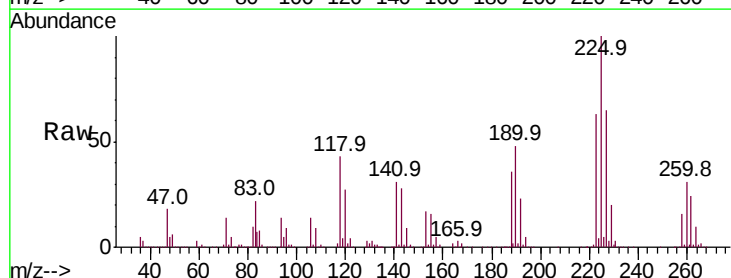
RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

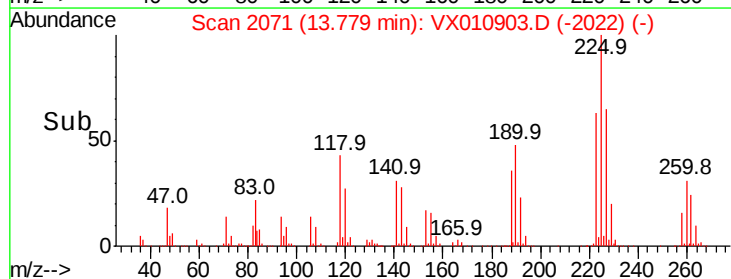
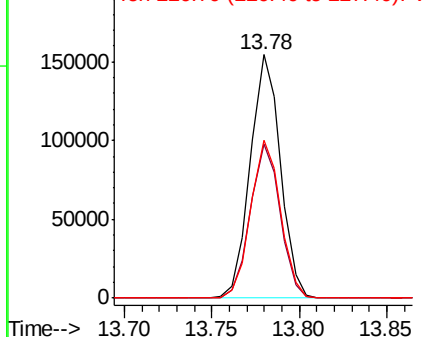
Lab File: VX010903.D

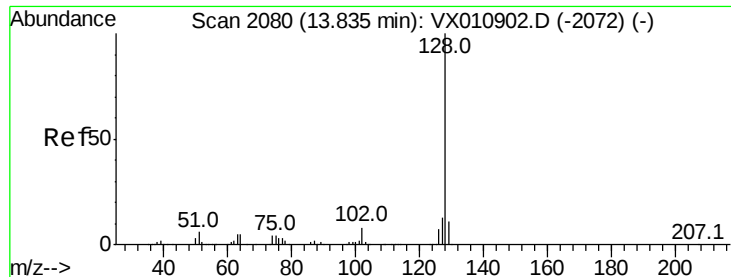
Acq: 16 Jul 2019 11:16

Tgt Ion:	225	Resp:	185108
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.9	95.9
227	64.1	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 99.816 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1186657

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

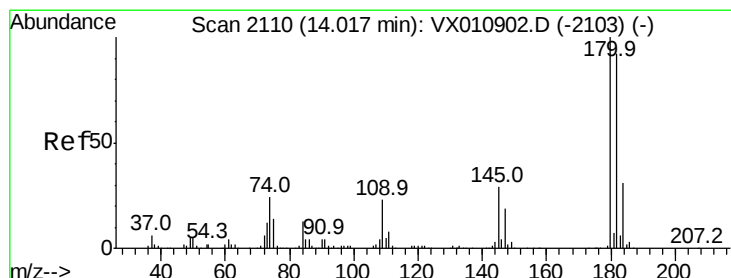
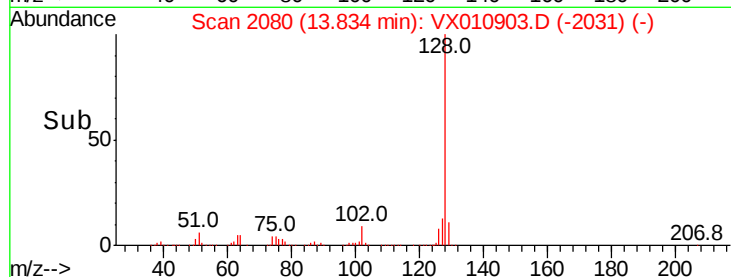
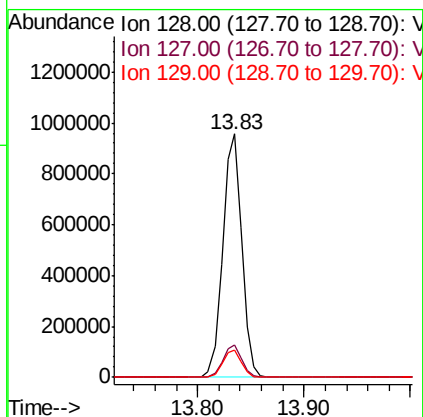
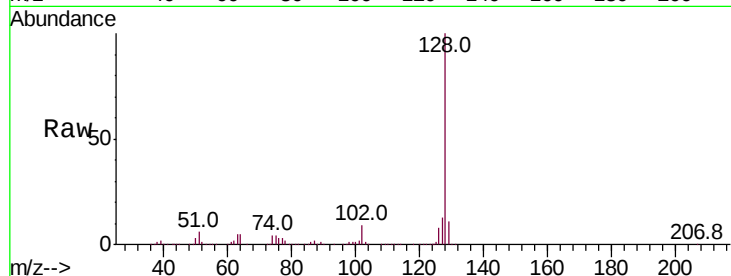
129 11.0 8.9 13.3

Manual Integrations

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7/17/2019 10:45:12 AM



#96

1,2,3-Trichlorobenzene

Concen: 99.871 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX010903.D

Acq: 16 Jul 2019 11:16

Tgt Ion:180 Resp: 385779

Ion Ratio Lower Upper

180 100

182 95.3 47.4 142.3

145 31.8 15.1 45.3

