

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071619\
 Data File : VX010901.D
 Acq On : 16 Jul 2019 10:30
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:02 AM

Quant Time: Jul 17 04:20:05 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	225810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	340487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	304978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	47454	21.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.98%	
35) Dibromofluoromethane	5.50	113	42396	20.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.64%	
50) Toluene-d8	8.71	98	159670	20.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.08%	
62) 4-Bromofluorobenzene	11.13	95	55707	19.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.48%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	50093	29.169	ug/l 98
3) Chloromethane	1.33	50	43305	23.023	ug/l 98
4) Vinyl Chloride	1.41	62	44685	21.753	ug/l 99
5) Bromomethane	1.64	94	27092	26.613	ug/l 100
6) Chloroethane	1.73	64	27567	22.550	ug/l 100
7) Trichlorofluoromethane	1.93	101	73684	22.621	ug/l 99
8) Diethyl Ether	2.19	74	24360	21.154	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	2.39	101	41276	21.161	ug/l 99
10) Methyl Iodide	2.51	142	51994	18.946	ug/l 100
11) Tert butyl alcohol	3.04	59	53556	96.826	ug/l 98
12) 1,1-Dichloroethene	2.37	96	41463	20.974	ug/l 97
13) Acrolein	2.29	56	31191	86.356	ug/l 98
14) Allyl chloride	2.73	41	58558	20.913	ug/l 98
15) Acrylonitrile	3.14	53	112395	102.301	ug/l 99
16) Acetone	2.44	43	116490	110.487	ug/l 99
17) Carbon Disulfide	2.57	76	103668	19.670	ug/l 100
18) Methyl Acetate	2.78	43	47237	21.990	ug/l 98
19) Methyl tert-butyl Ether	3.20	73	128724	20.779	ug/l 98
20) Methylene Chloride	2.85	84	44694	20.337	ug/l 98
21) trans-1,2-Dichloroethene	3.17	96	42735	20.192	ug/l 95
22) Diisopropyl ether	3.85	45	122274	20.865	ug/l 98
23) Vinyl Acetate	3.81	43	533881	105.604	ug/l 99
24) 1,1-Dichloroethane	3.70	63	70529	20.857	ug/l 99
25) 2-Butanone	4.67	43	160554	103.439	ug/l 95
26) 2,2-Dichloropropane	4.59	77	56618	19.349	ug/l 99
27) cis-1,2-Dichloroethene	4.60	96	49091	20.199	ug/l 98
28) Bromochloromethane	5.02	49	31408	19.452	ug/l 97
29) Tetrahydrofuran	5.13	42	98045	101.456	ug/l 99
30) Chloroform	5.21	83	75122	20.621	ug/l 98
31) Cyclohexane	5.59	56	65424	21.178	ug/l 98
32) 1,1,1-Trichloroethane	5.49	97	64979	20.200	ug/l 99
36) 1,1-Dichloropropene	5.81	75	54306	19.920	ug/l 98
37) Ethyl Acetate	4.83	43	57131	20.426	ug/l 96
38) Carbon Tetrachloride	5.79	117	56827	19.422	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	73017	20.449	ug/l	95
40) Benzene	6.14	78	170583	20.218	ug/l	98
41) Methacrylonitrile	5.05	41	31573	20.685	ug/l	98
42) 1,2-Dichloroethane	6.20	62	57115	21.922	ug/l	99
43) Isopropyl Acetate	6.45	43	91179	19.774	ug/l	100
44) Trichloroethene	7.21	130	48939	19.429	ug/l	99
45) 1,2-Dichloropropane	7.51	63	43205	20.260	ug/l	99
46) Dibromomethane	7.66	93	31548	20.606	ug/l	99
47) Bromodichloromethane	7.90	83	53213	19.062	ug/l	97
48) Methyl methacrylate	7.77	41	43535	20.253	ug/l	100
49) 1,4-Dioxane	7.74	88	26591	430.002	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	304908	102.962	ug/l	100
52) Toluene	8.78	92	110179	19.842	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	56467	18.082	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	65292	19.182	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	45440	19.893	ug/l	99
56) Ethyl methacrylate	9.18	69	66695	19.273	ug/l	99
57) 1,3-Dichloropropane	9.37	76	71761	20.156	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	161371	98.522	ug/l	99
59) 2-Hexanone	9.49	43	242974	104.244	ug/l	99
60) Dibromochloromethane	9.58	129	45563	17.932	ug/l	98
61) 1,2-Dibromoethane	9.67	107	49918	20.218	ug/l	99
64) Tetrachloroethene	9.34	164	49371	20.097	ug/l	97
65) Chlorobenzene	10.13	112	123188	19.937	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	43306	19.250	ug/l	98
67) Ethyl Benzene	10.25	91	212162	20.226	ug/l	97
68) m/p-Xylenes	10.36	106	166220	40.995	ug/l	96
69) o-Xylene	10.69	106	78886	19.760	ug/l	100
70) Styrene	10.71	104	133977	20.018	ug/l	99
71) Bromoform	10.85	173	33712	17.528	ug/l #	98
73) Isopropylbenzene	11.02	105	213201	19.992	ug/l	100
74) N-amyl acetate	10.90	43	80539	19.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	69305	19.645	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	57846m	20.177	ug/l	
77) Bromobenzene	11.26	156	57039	19.194	ug/l	98
78) n-propylbenzene	11.36	91	238344	20.318	ug/l	99
79) 2-Chlorotoluene	11.42	91	139006	19.871	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	178892	20.290	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18853	15.832	ug/l	93
82) 4-Chlorotoluene	11.51	91	160759	20.172	ug/l	100
83) tert-Butylbenzene	11.77	119	175072	19.838	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	181584	20.534	ug/l	100
85) sec-Butylbenzene	11.94	105	205523	19.833	ug/l	100
86) p-Isopropyltoluene	12.06	119	190786	19.901	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	100855	19.410	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	101711	19.203	ug/l	98
89) n-Butylbenzene	12.38	91	161202	19.756	ug/l	99
90) Hexachloroethane	12.59	117	28147	17.322	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	100572	19.463	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.99	75	14306	18.725	ug/l	99

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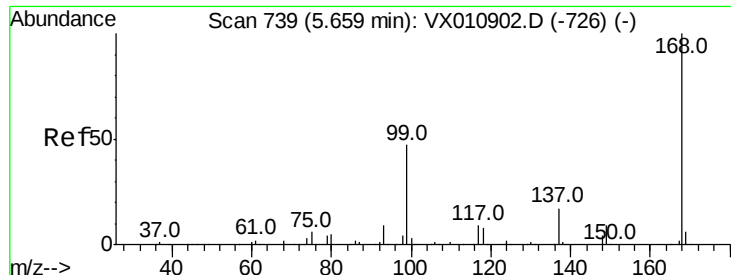
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	68442	19.167	ug/l	99
94) Hexachlorobutadiene	13.78	225	33909	19.465	ug/l	98
95) Naphthalene	13.83	128	210021	19.264	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	67828	19.147	ug/l	98

(#) = 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: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion:168 Resp: 225810

Ion Ratio Lower Upper

168 100

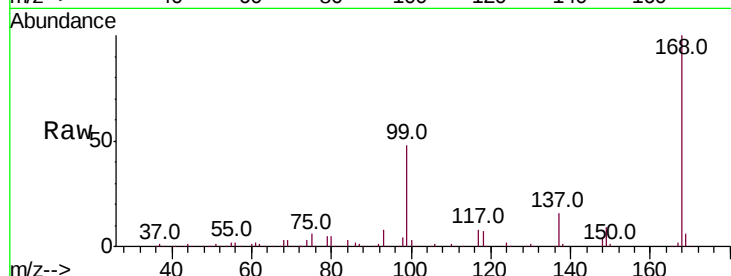
99 48.3 37.6 56.4

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

80000

60000

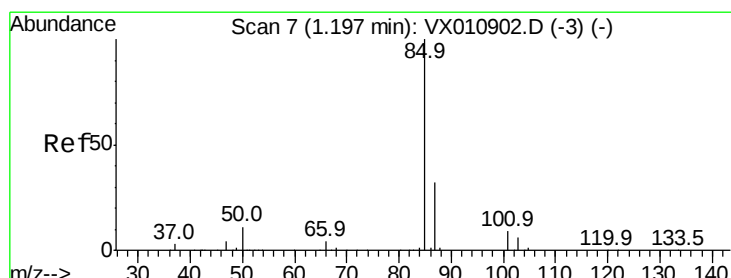
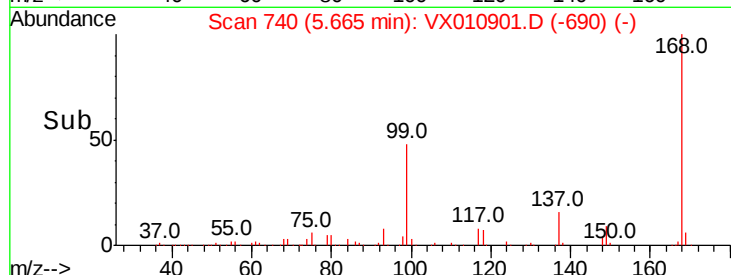
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 29.169 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010901.D

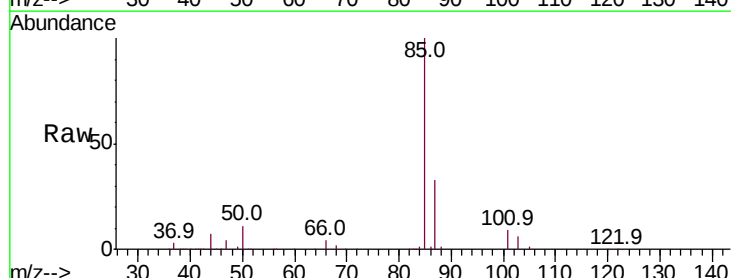
Acq: 16 Jul 2019 10:30

Tgt Ion: 85 Resp: 50093

Ion Ratio Lower Upper

85 100

87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

50000

40000

30000

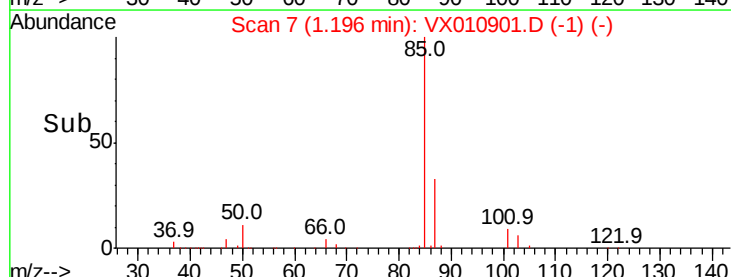
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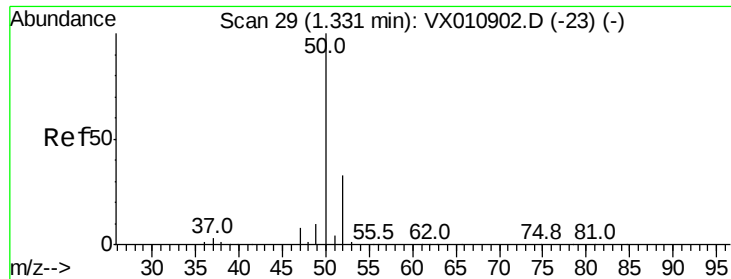
10000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 23.023 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 43305

Ion Ratio Lower Upper

50 100

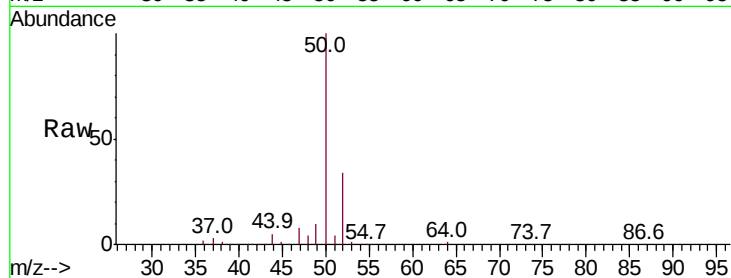
52 34.1 26.4 39.6

Manual Integrations

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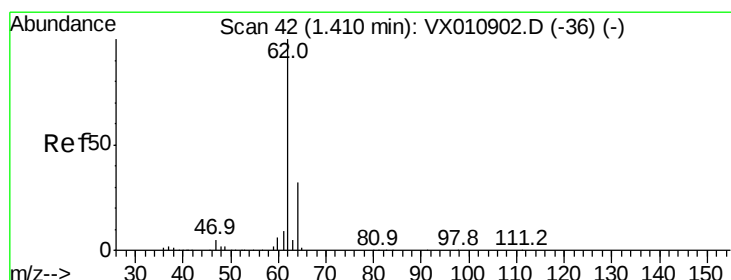
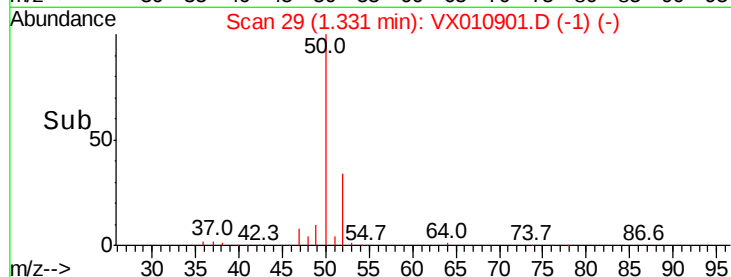
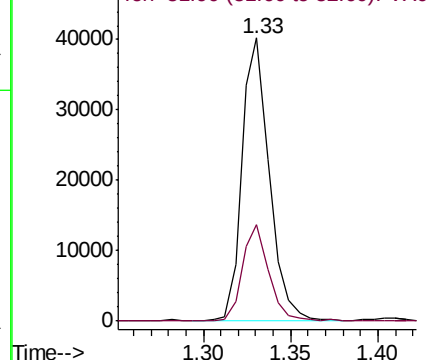
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 21.753 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010901.D

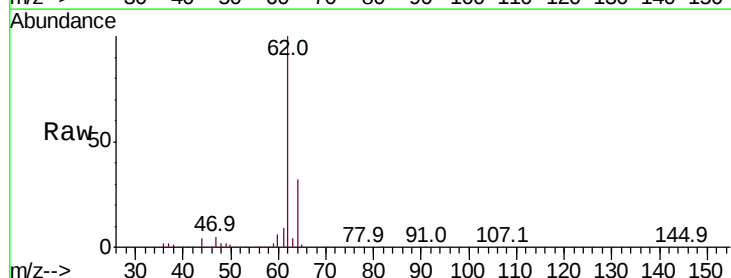
Acq: 16 Jul 2019 10:30

Tgt Ion: 62 Resp: 44685

Ion Ratio Lower Upper

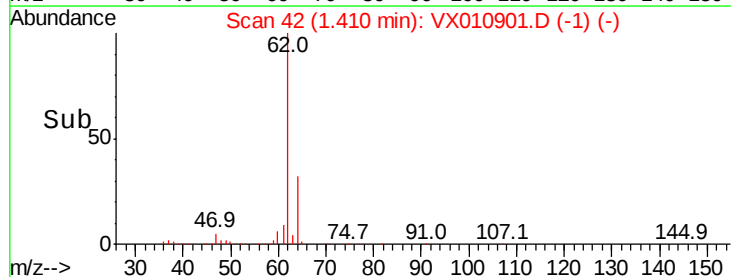
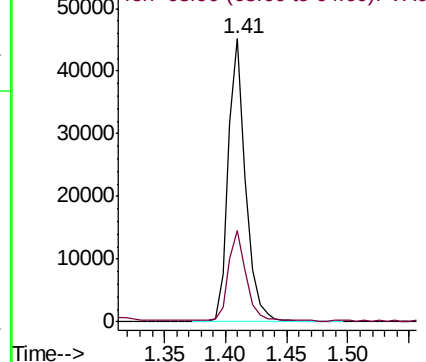
62 100

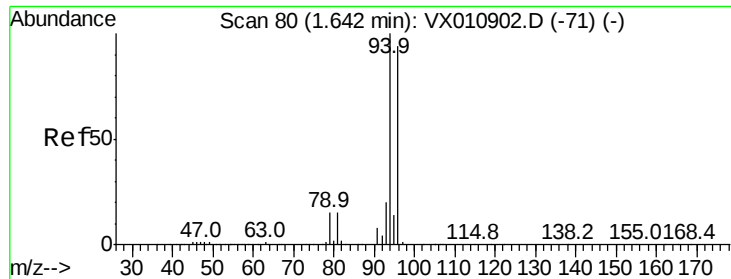
64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.613 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 94 Resp: 27092

Ion Ratio Lower Upper

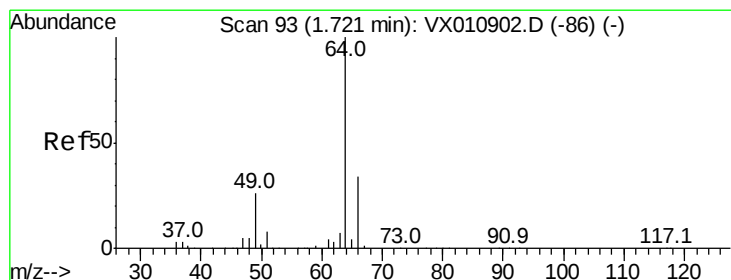
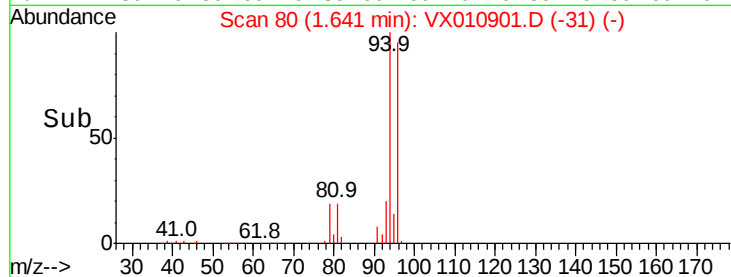
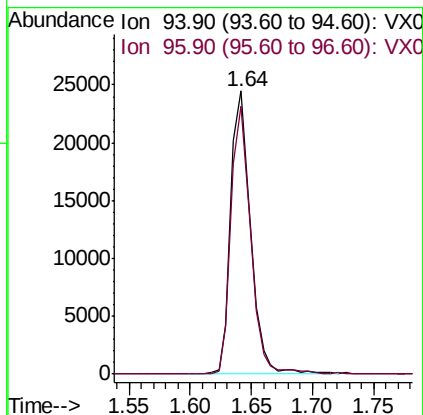
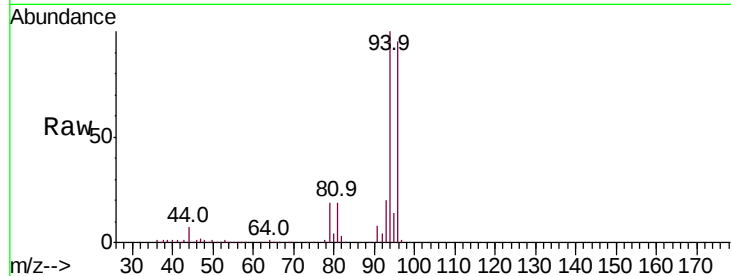
94 100

96 94.9 75.6 113.4

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#6

Chloroethane

Concen: 22.550 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010901.D

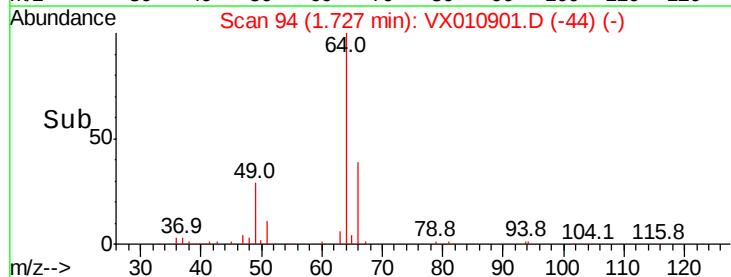
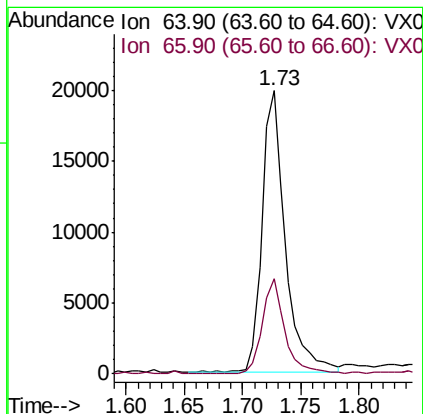
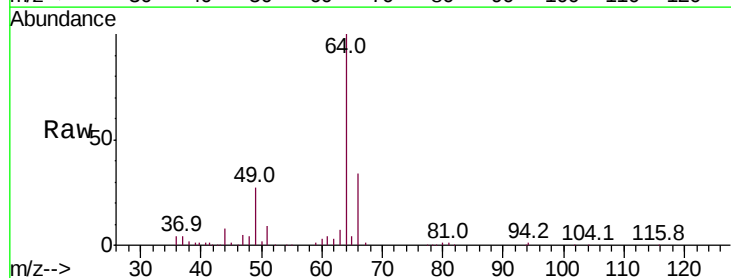
Acq: 16 Jul 2019 10:30

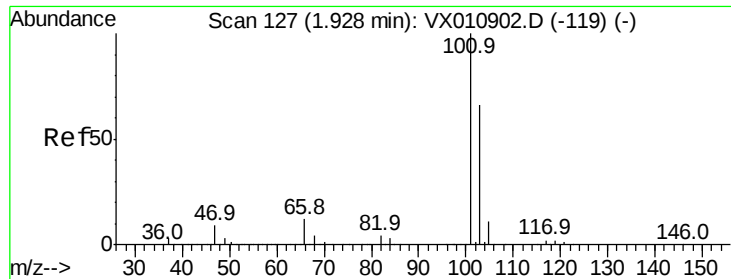
Tgt Ion: 64 Resp: 27567

Ion Ratio Lower Upper

64 100

66 34.0 27.0 40.6





#7

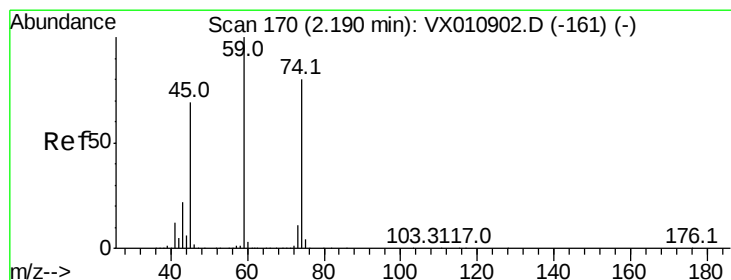
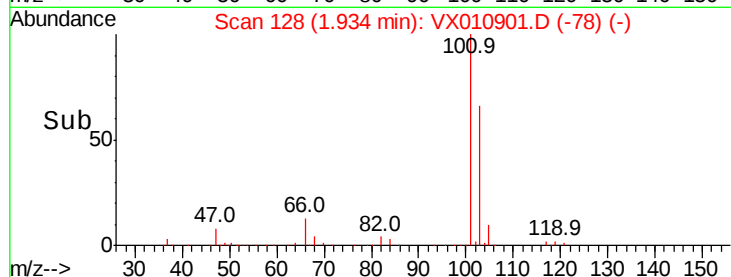
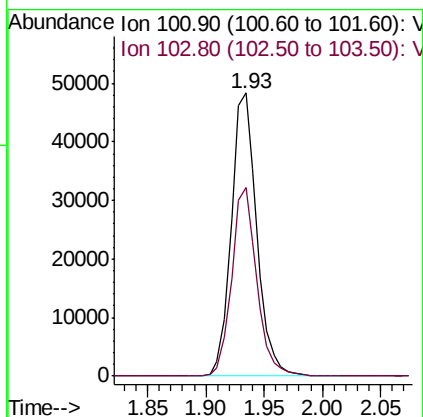
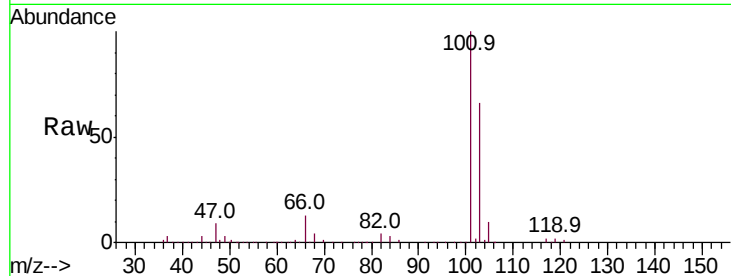
Trichlorofluoromethane
Concen: 22.621 ug/l
RT: 1.93 min Scan# 128
Delta R.T. 0.01 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:101 Resp: 73684
Ion Ratio Lower Upper
101 100
103 66.5 52.6 78.8

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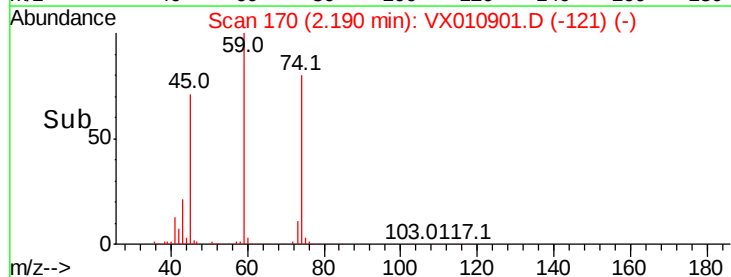
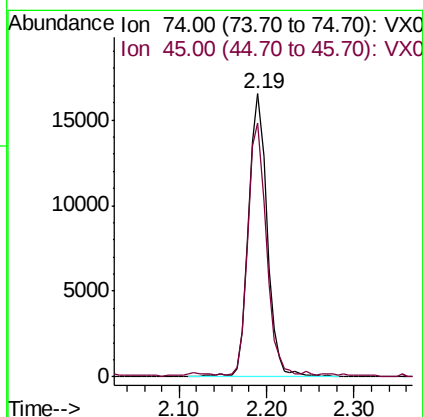
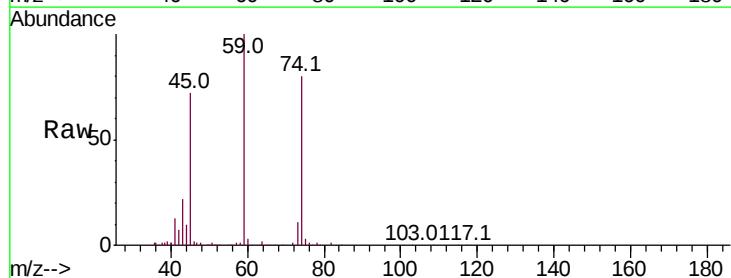
MMDadoda
7/17/2019 10:45:02 AM

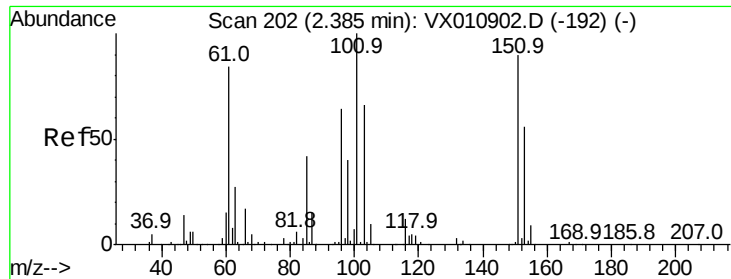


#8

Diethyl Ether
Concen: 21.154 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion: 74 Resp: 24360
Ion Ratio Lower Upper
74 100
45 87.9 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.161 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleID :

VSTDIC020

Tot Ion:101 Resp: 41276

Ion Ratio Lower Upper

101 100

85 45.0 34.6 52.0

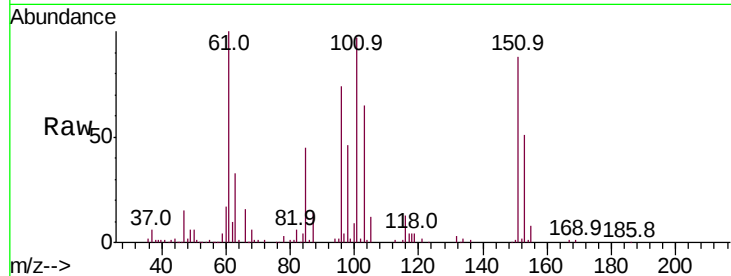
151 87.4 69.6 104.4

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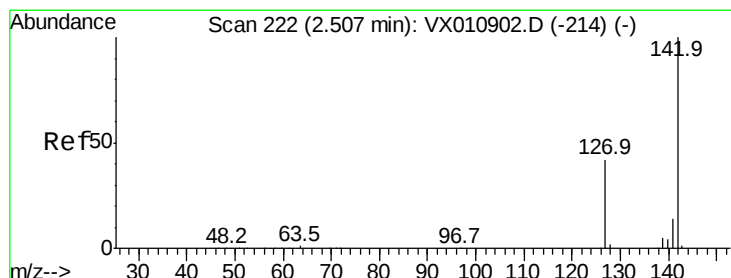
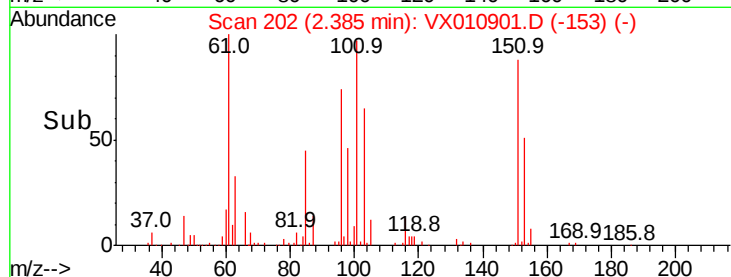
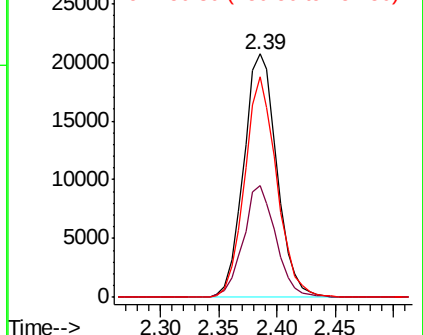
7/17/2019 10:45:02 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.946 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

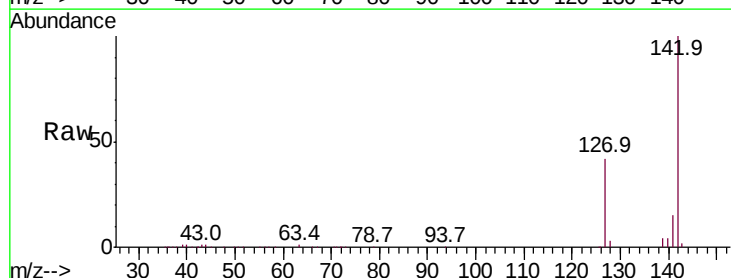
Tgt Ion:142 Resp: 51994

Ion Ratio Lower Upper

142 100

127 42.6 34.2 51.4

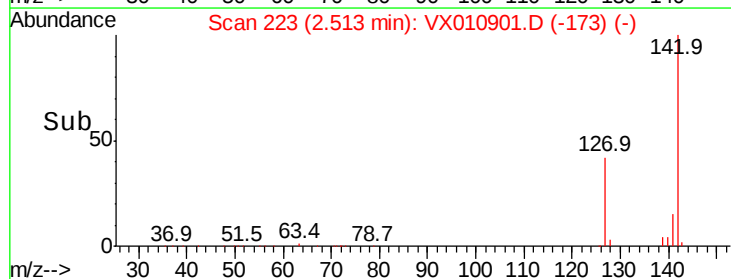
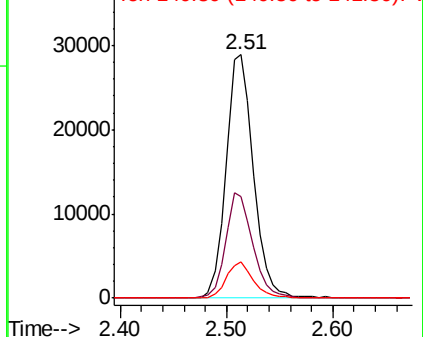
141 14.5 11.7 17.5



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

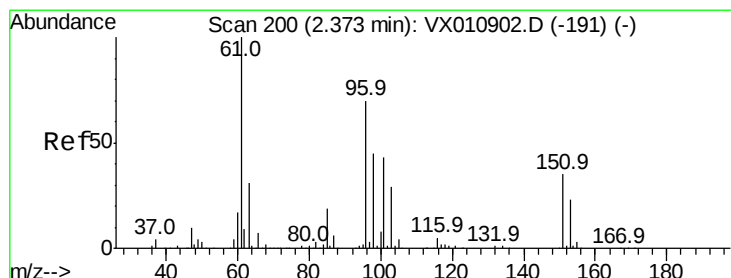
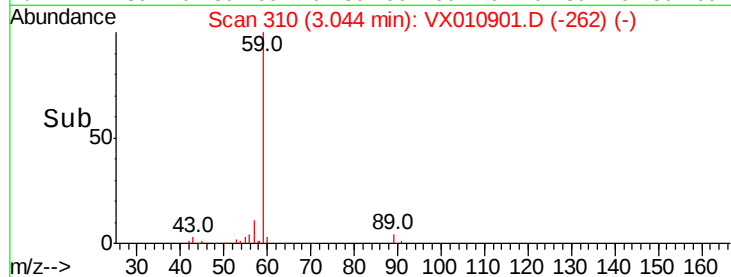
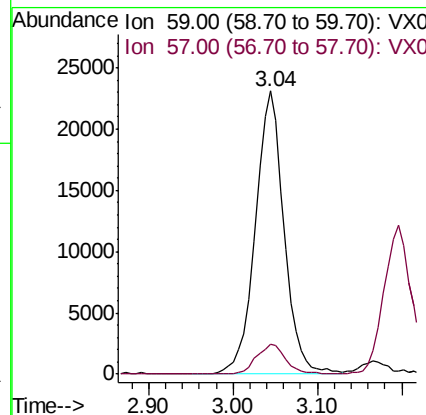
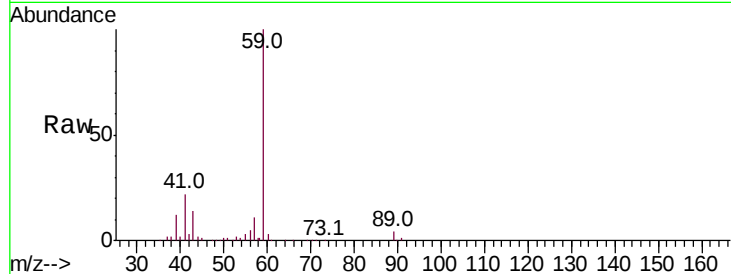
Tert butyl alcohol
Concen: 96.826 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	7.9	11.9

Manual Integrations
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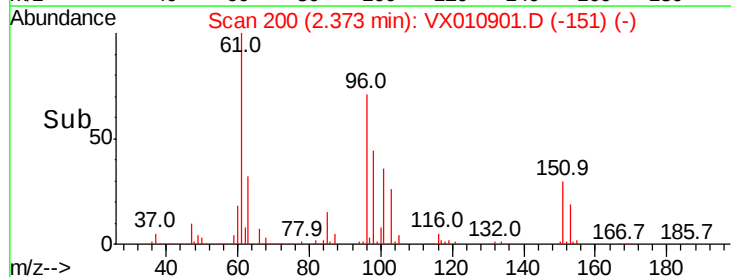
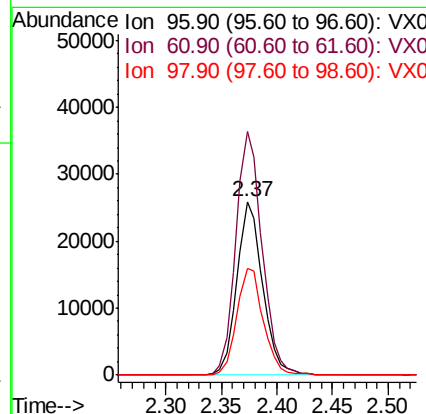
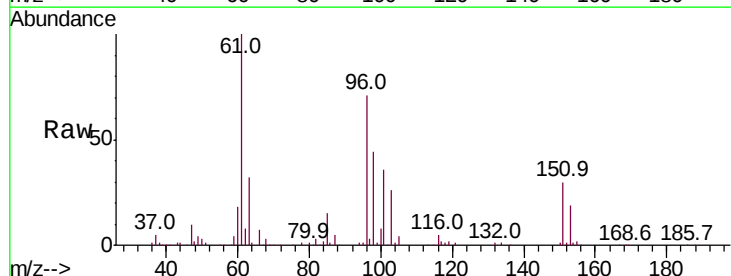
MMDadoda
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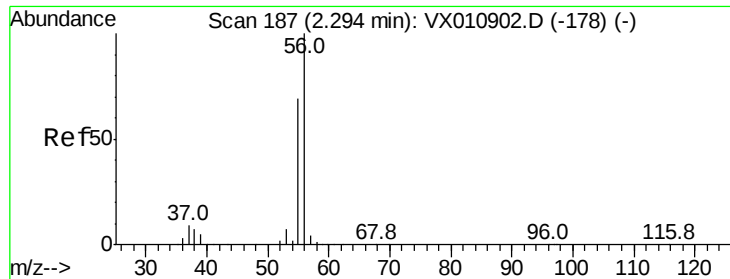


#12

1,1-Dichloroethene
Concen: 20.974 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.4	115.0	172.4
98	61.6	52.2	78.2





#13

Acrolein

Concen: 86.356 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 31191

Ion Ratio Lower Upper

56 100

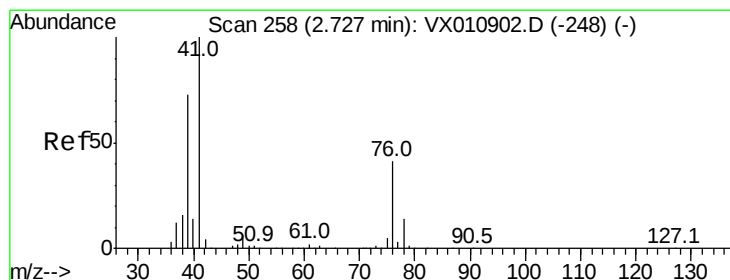
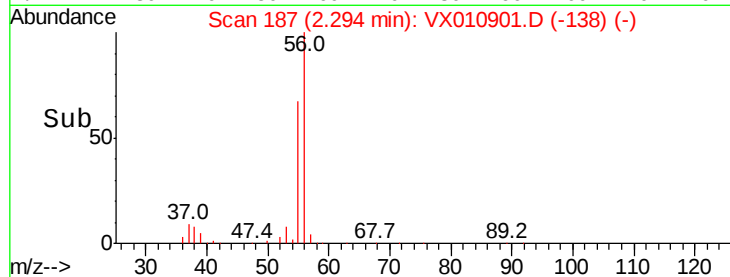
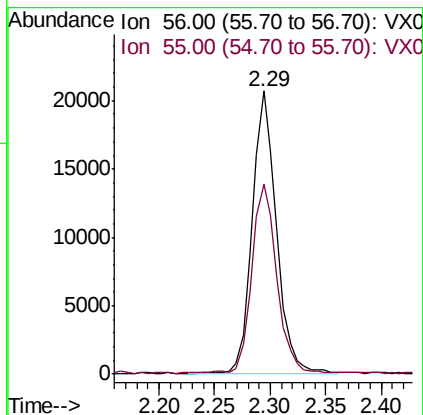
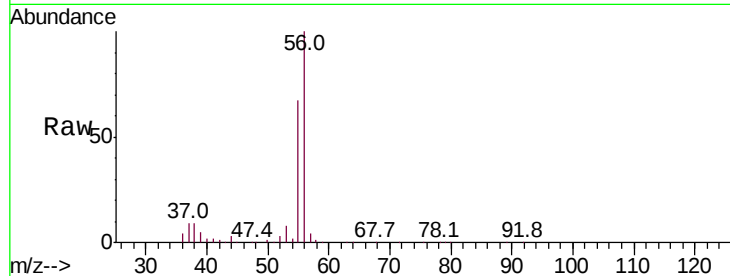
55 71.6 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 20.913 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

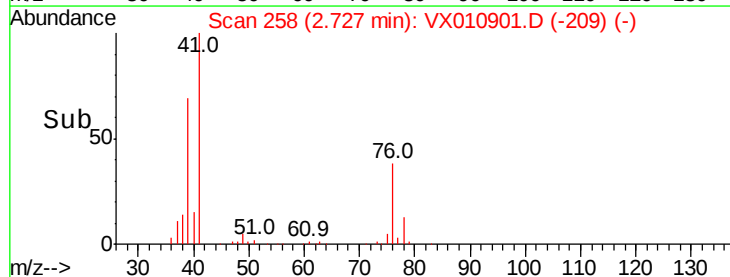
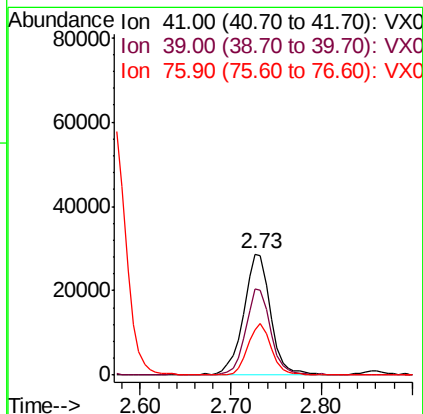
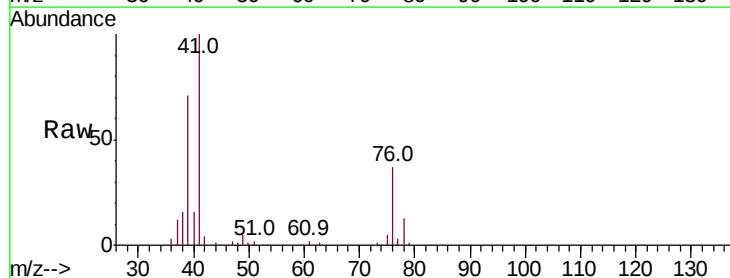
Tgt Ion: 41 Resp: 58558

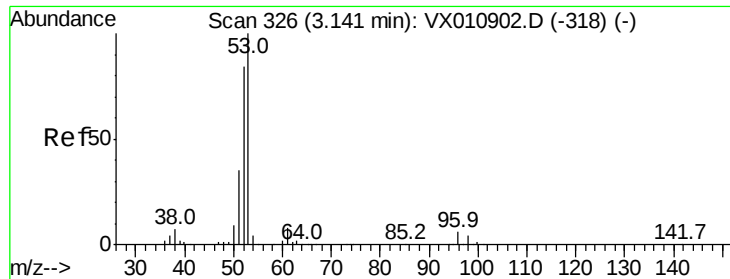
Ion Ratio Lower Upper

41 100

39 65.0 53.6 80.4

76 37.4 29.7 44.5





#15

Acrylonitrile

Concen: 102.301 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

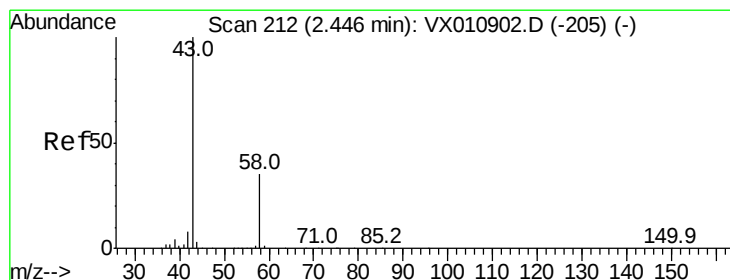
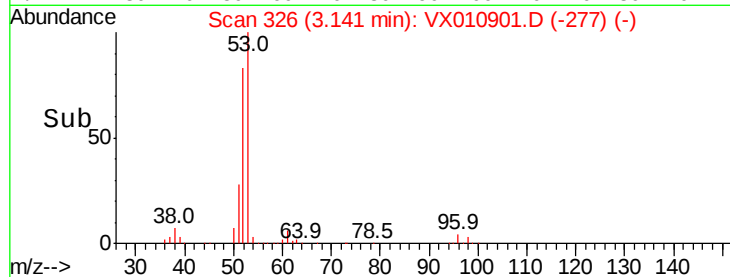
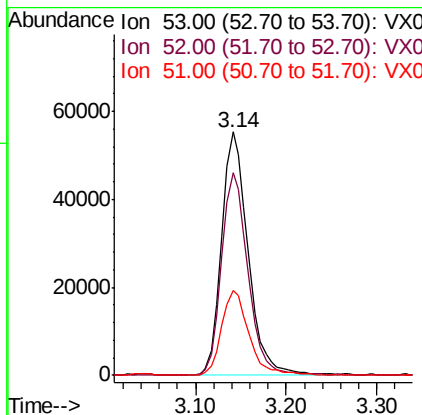
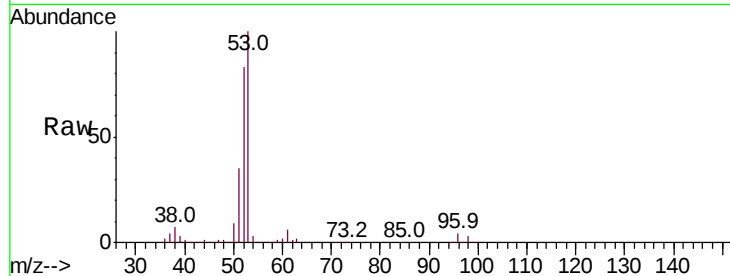
ClientSampleId :

VSTDIC020

Tot Ion	53	Resp	112395
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.5	99.7
51	36.0	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 110.487 ug/l

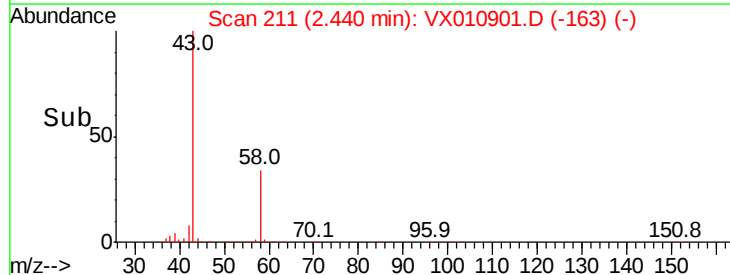
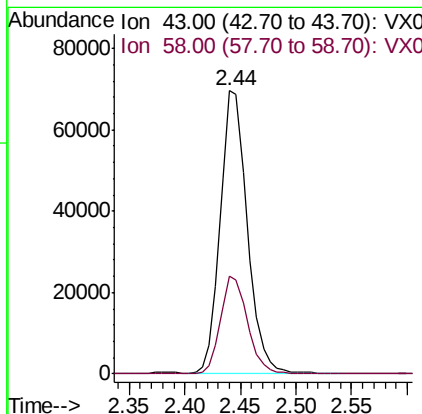
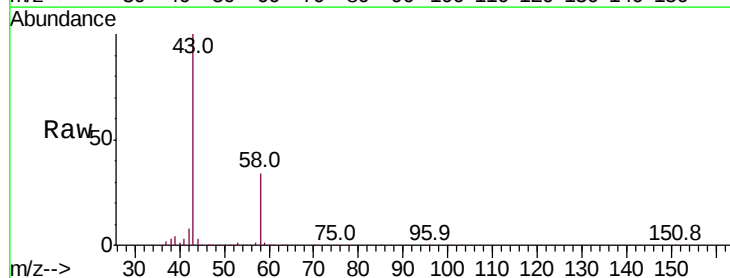
RT: 2.44 min Scan# 211

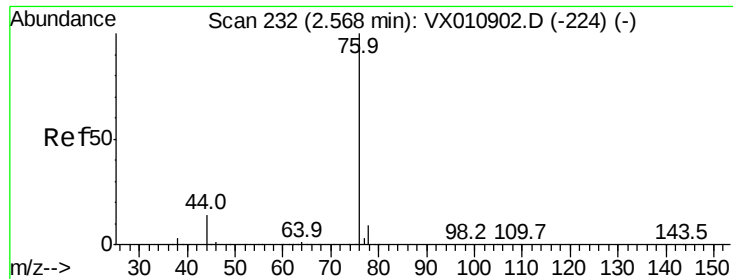
Delta R.T. -0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion	43	Resp	116490
Ion	Ratio	Lower	Upper
43	100		
58	34.3	27.7	41.5





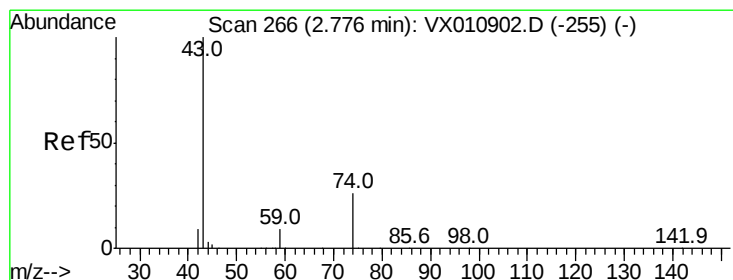
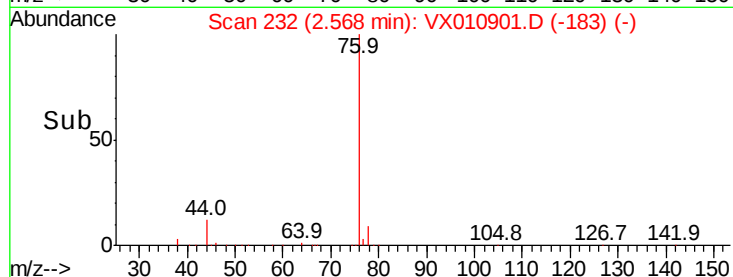
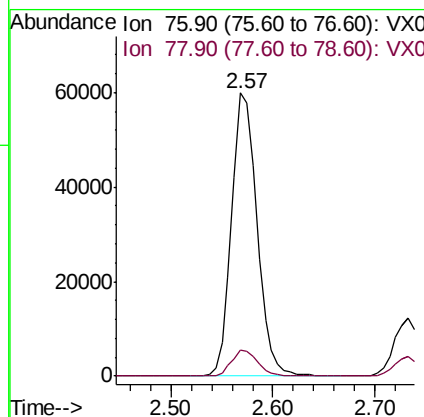
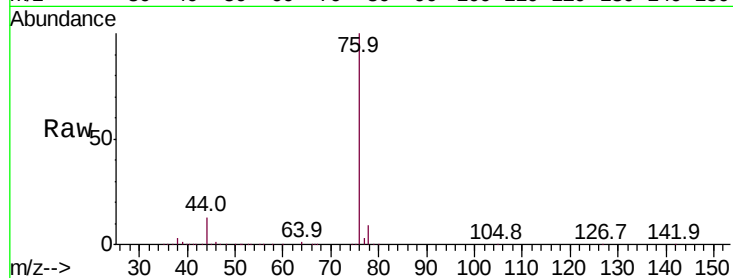
#17
Carbon Disulfide
Concen: 19.670 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

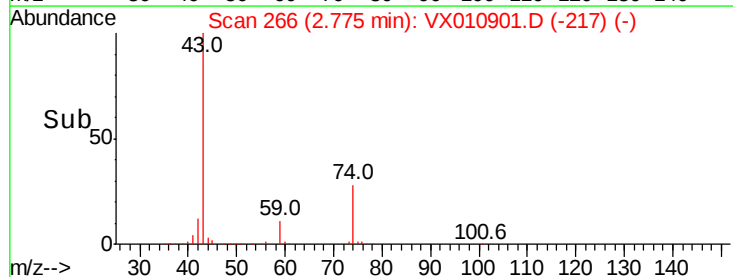
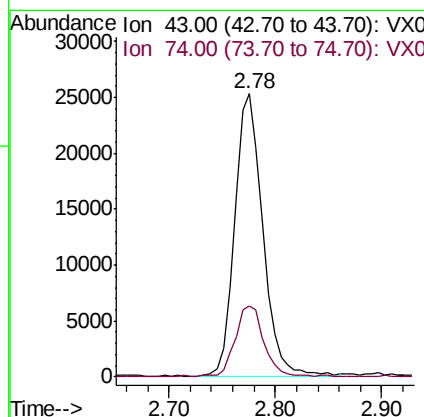
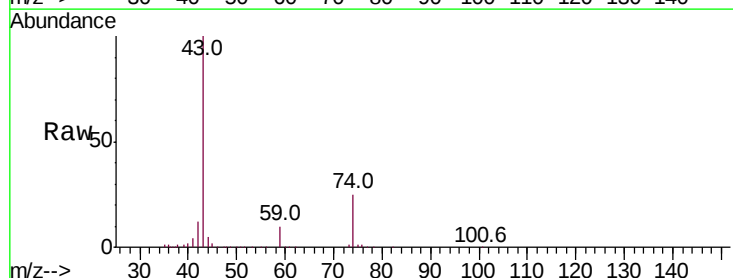
Manual Integrations
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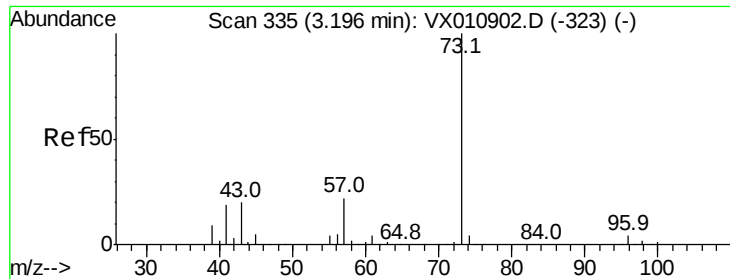
MMDadoda
7/17/2019 10:45:02 AM



#18
Methyl Acetate
Concen: 21.990 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.1	21.5	32.3





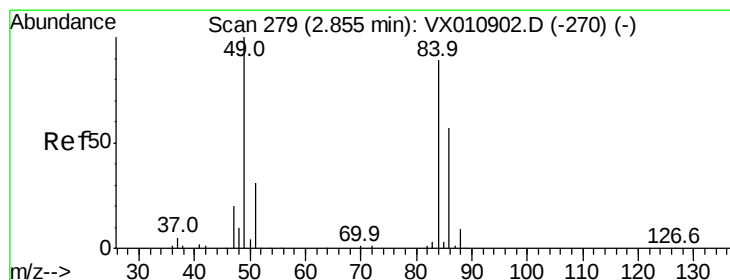
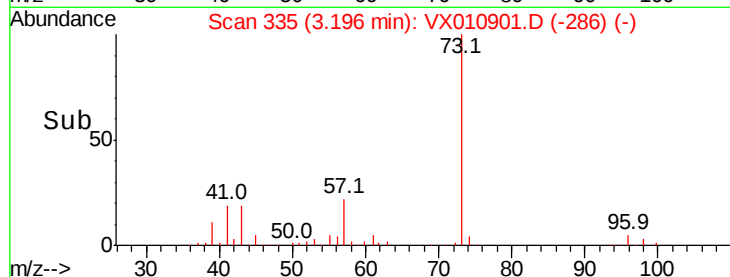
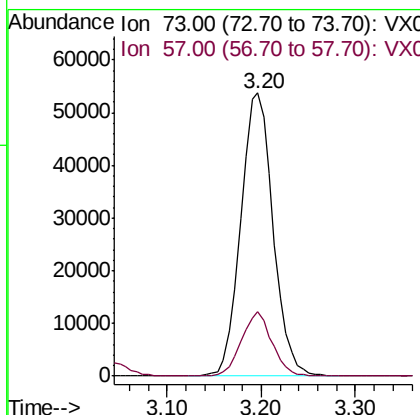
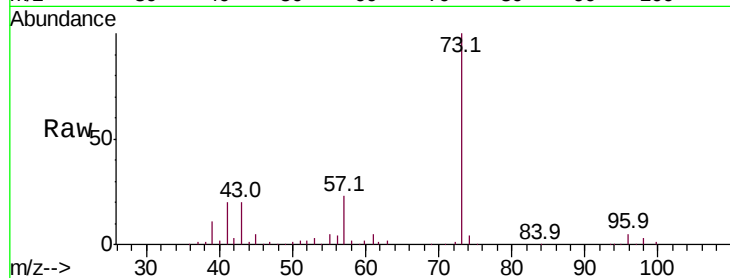
#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 128724
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9

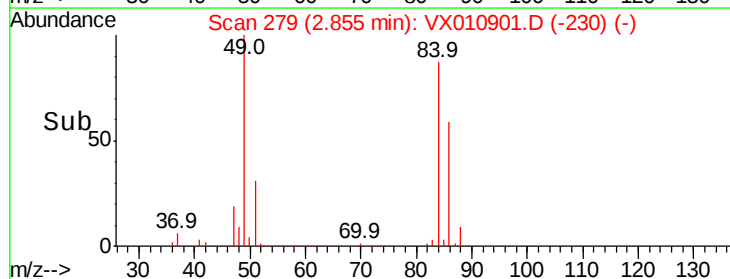
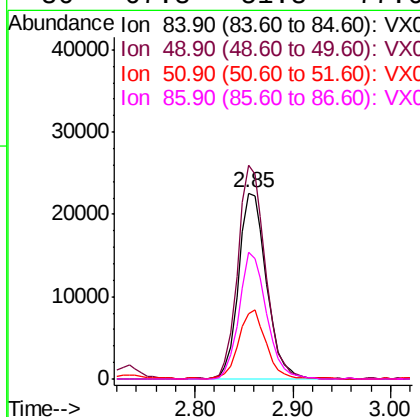
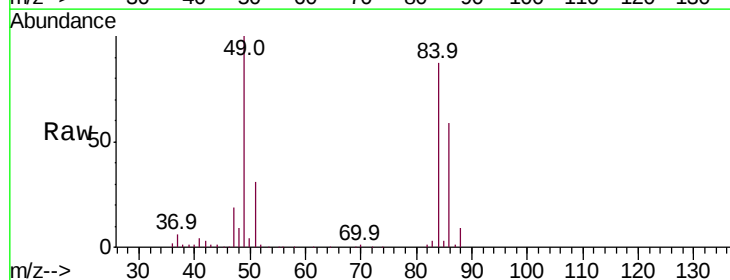
Manual Integrations
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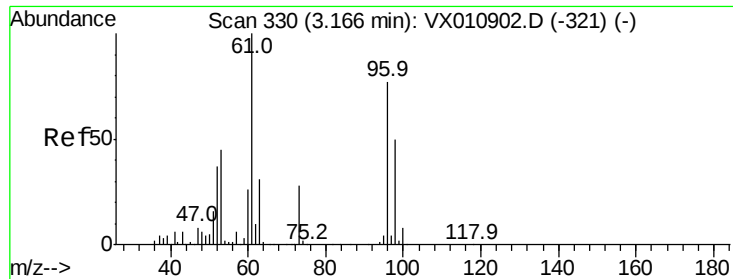
MMDadoda
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#20
Methylene Chloride
Concen: 20.337 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion: 84 Resp: 44694
Ion Ratio Lower Upper
84 100
49 114.4 89.9 134.9
51 34.9 27.8 41.6
86 67.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 20.192 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 42735

Ion Ratio Lower Upper

96 100

61 123.2 104.2 156.2

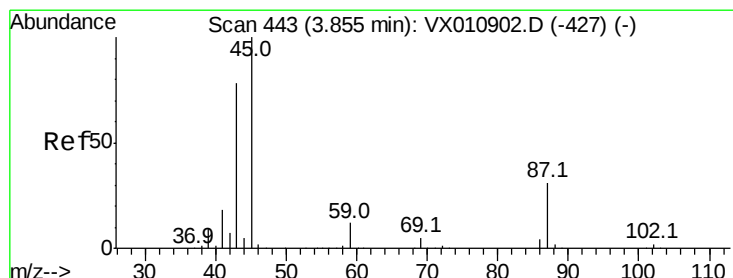
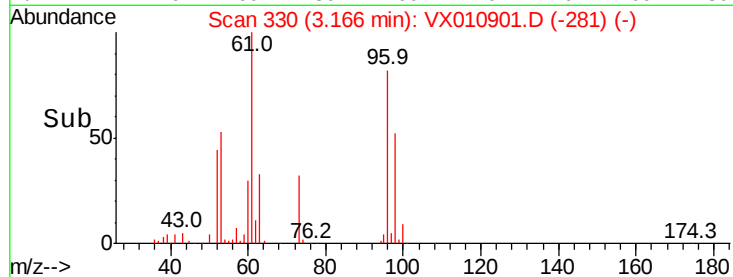
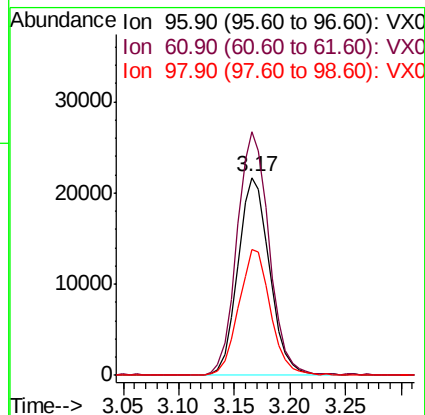
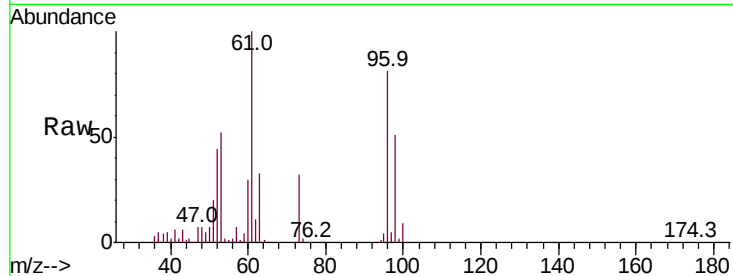
98 63.4 52.2 78.4

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.865 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion: 45 Resp: 122274

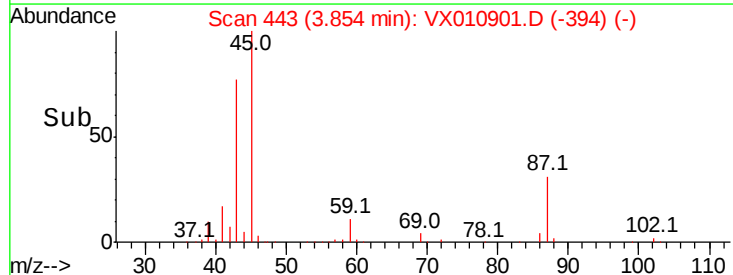
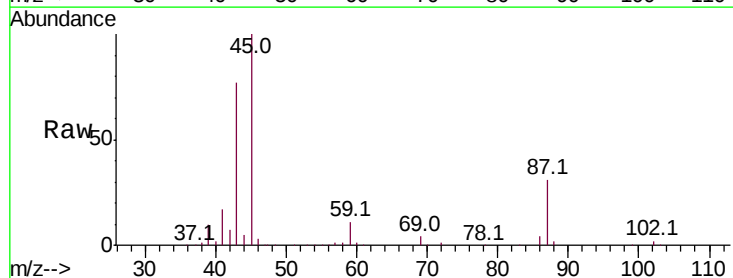
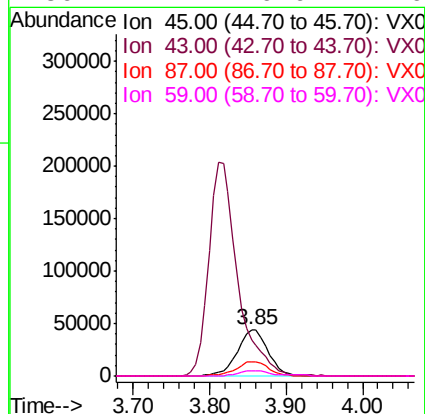
Ion Ratio Lower Upper

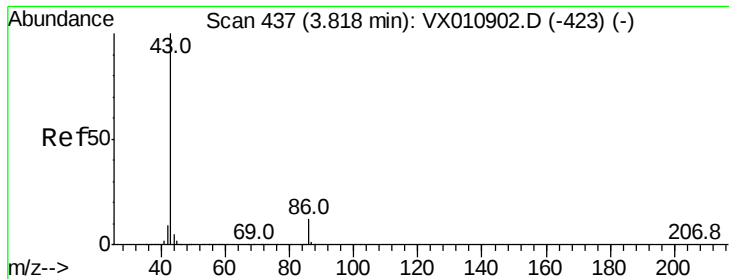
45 100

43 75.9 62.3 93.5

87 30.8 25.0 37.4

59 11.2 9.9 14.9





#23

Vinyl Acetate

Concen: 105.604 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 533881

Ion Ratio Lower Upper

43 100

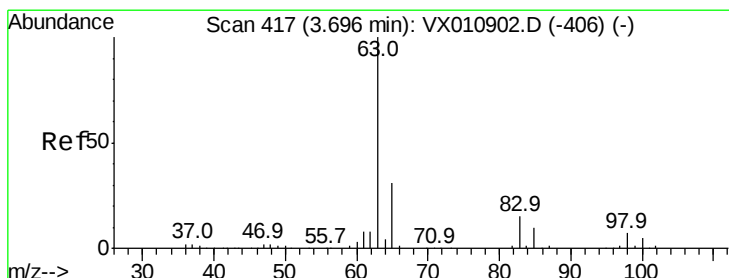
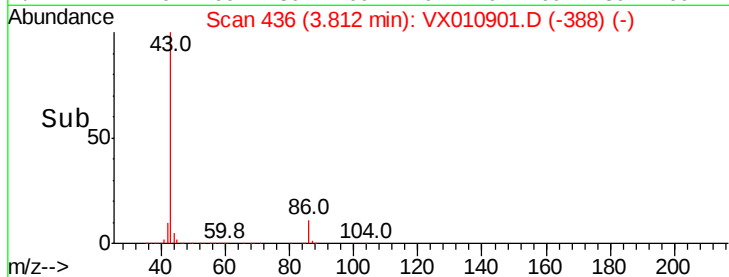
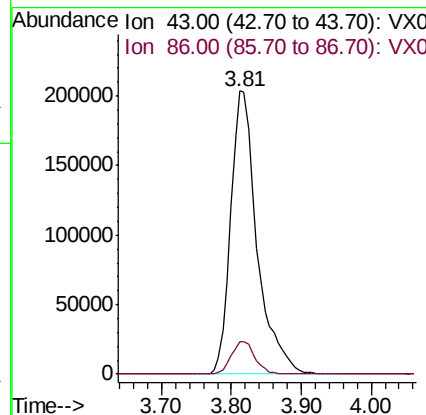
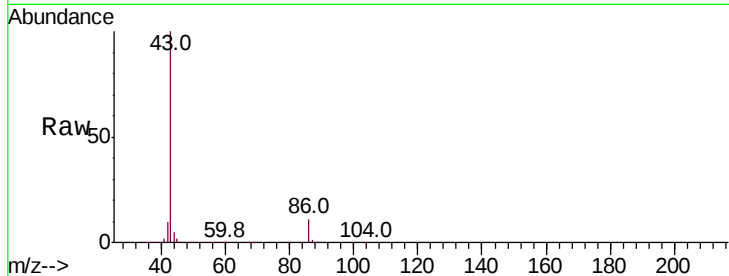
86 11.3 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.857 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

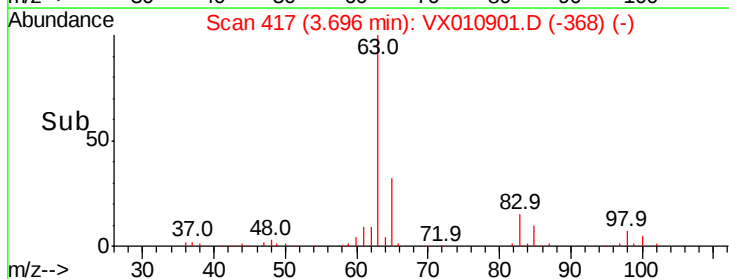
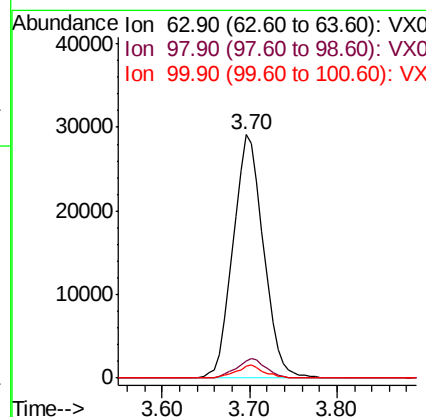
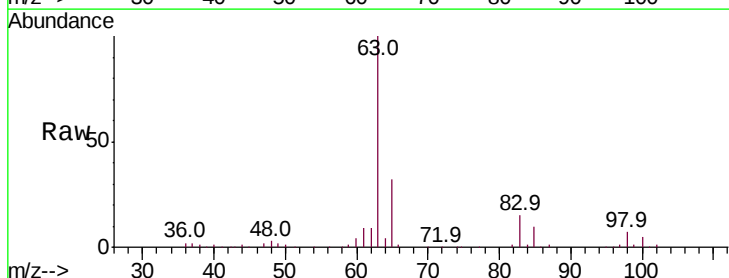
Tgt Ion: 63 Resp: 70529

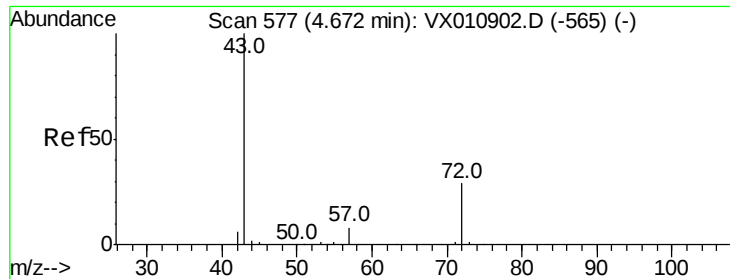
Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.9

100 4.7 2.4 7.2





#25

2-Butanone

Concen: 103.439 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 160554

Ion Ratio Lower Upper

43 100

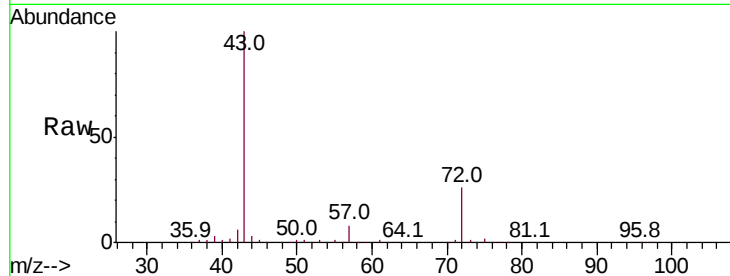
72 26.3 23.0 34.6

Manual Integrations

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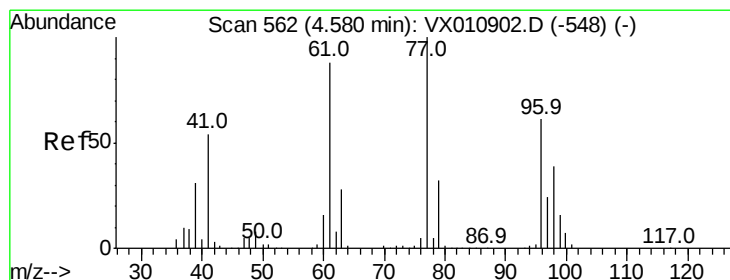
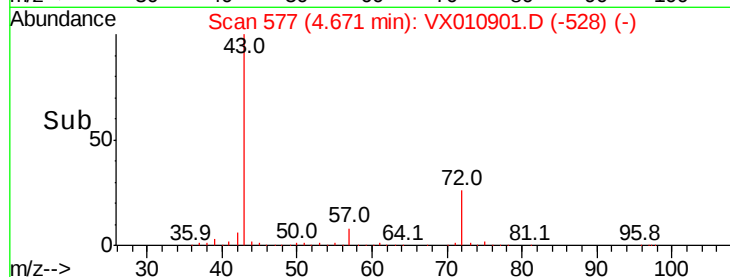
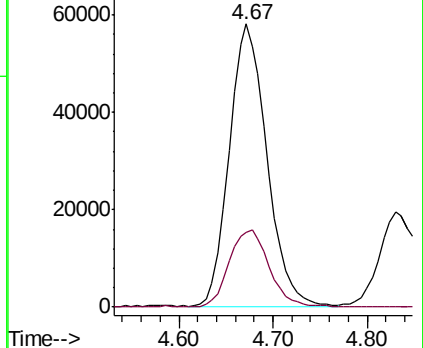
MMDadoda

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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: 19.349 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010901.D

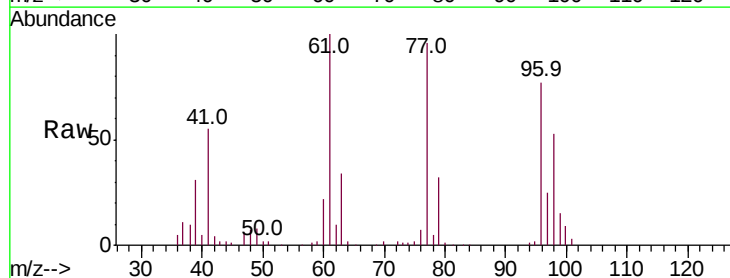
Acq: 16 Jul 2019 10:30

Tgt Ion: 77 Resp: 56618

Ion Ratio Lower Upper

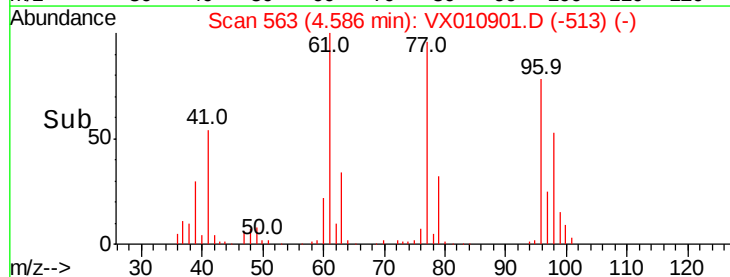
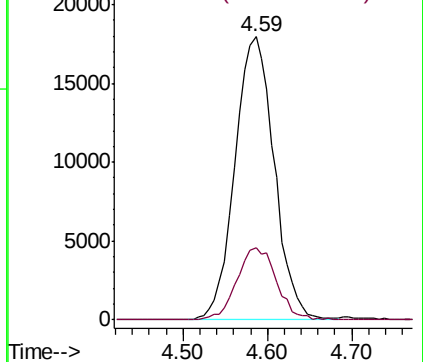
77 100

97 25.5 12.6 37.6



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

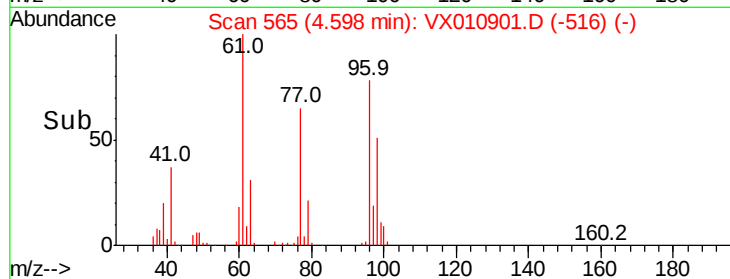
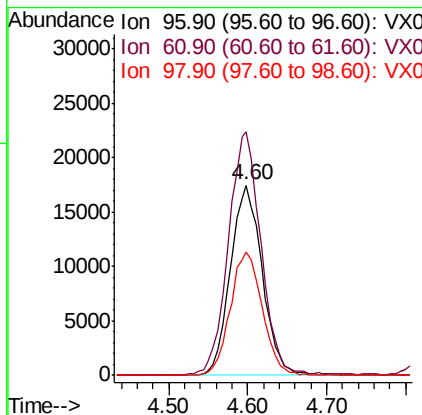
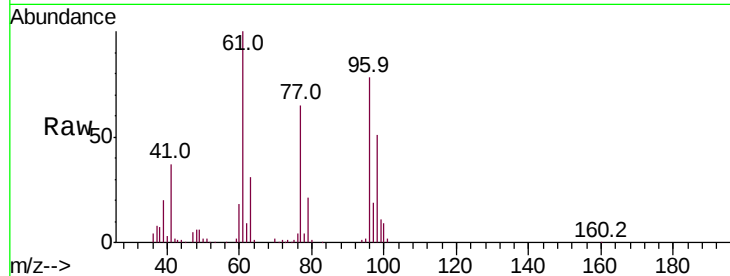
cis-1,2-Dichloroethene
 Concen: 20.199 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	269.0
98	65.3	0.0	131.4

Manual Integrations
 APPROVED

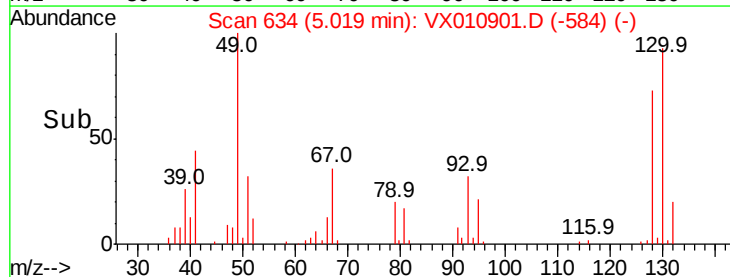
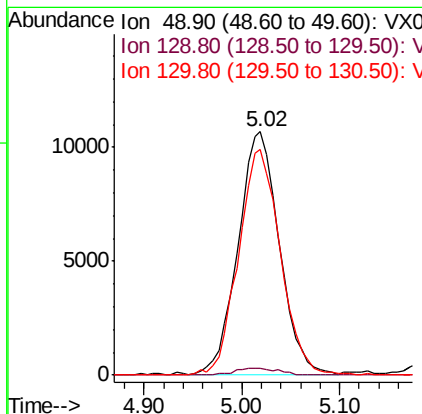
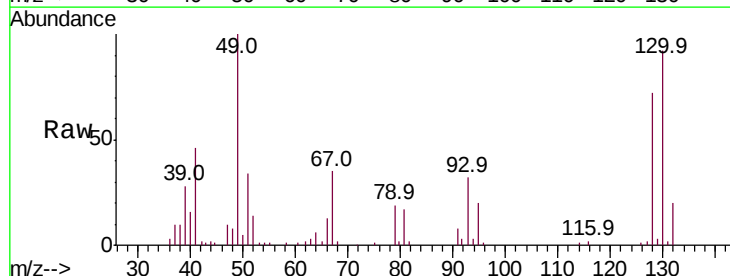
MMDadoda
 7/17/2019 10:45:02 AM

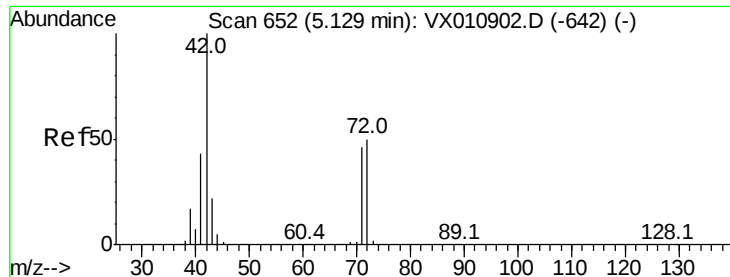


#28

Bromochloromethane
 Concen: 19.452 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.01 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	5.2
130	93.4	76.9	115.3





#29

Tetrahydrofuran

Concen: 101.456 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

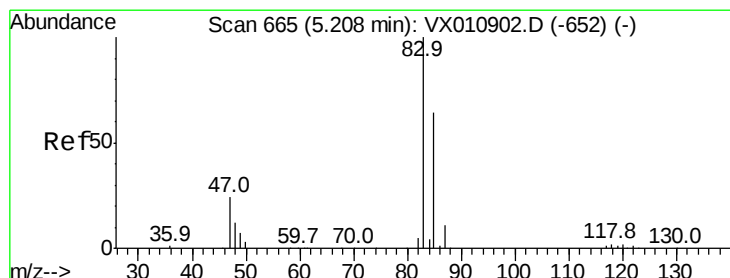
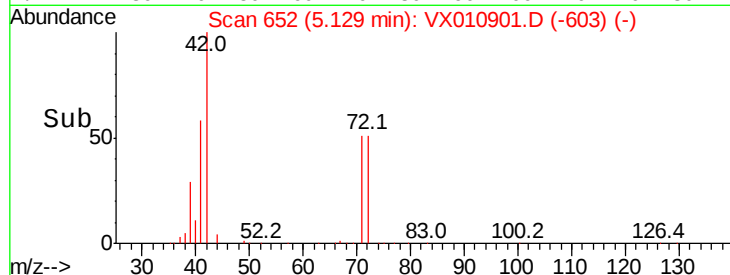
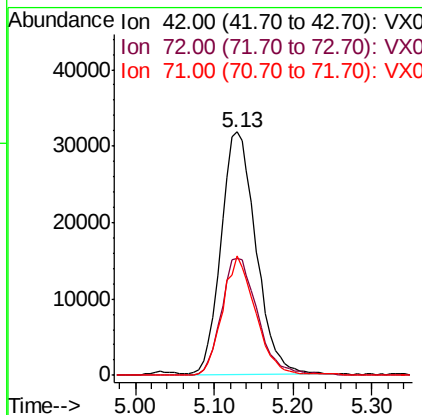
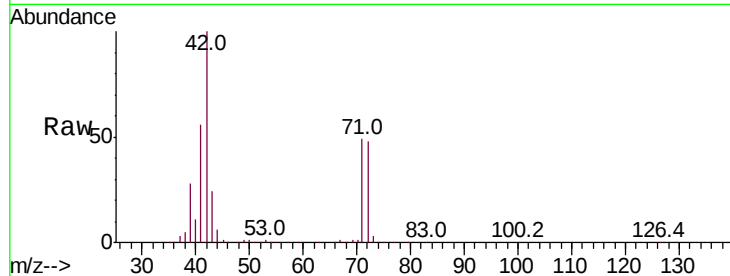
ClientSampled :

VSTDIC020

Tot Ion:	42	Resp:	98045
Ion Ratio	Lower	Upper	
42	100		
72	50.2	39.8	59.8
71	46.5	37.0	55.4

Manual Integrations
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7/17/2019 10:45:02 AM



#30

Chloroform

Concen: 20.621 ug/l

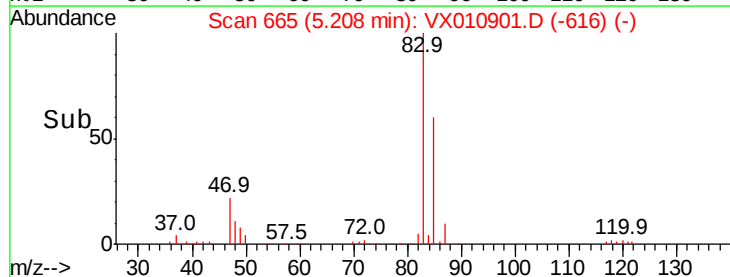
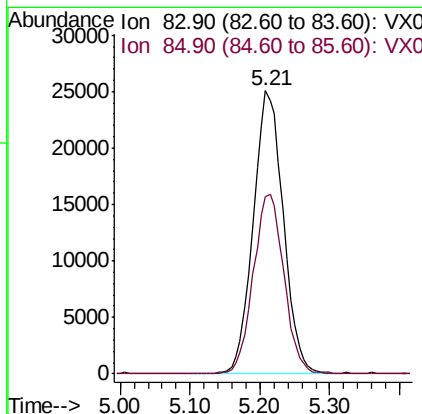
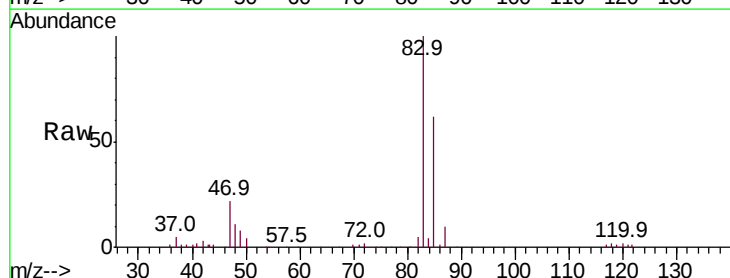
RT: 5.21 min Scan# 665

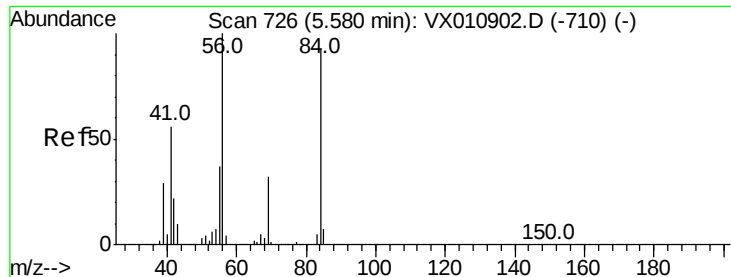
Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion:	83	Resp:	75122
Ion Ratio	Lower	Upper	
83	100		
85	62.5	51.4	77.0





#31

Cvclohexane

Concen: 21.178 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 65424

Ion Ratio Lower Upper

56 100

69 31.9 25.8 38.8

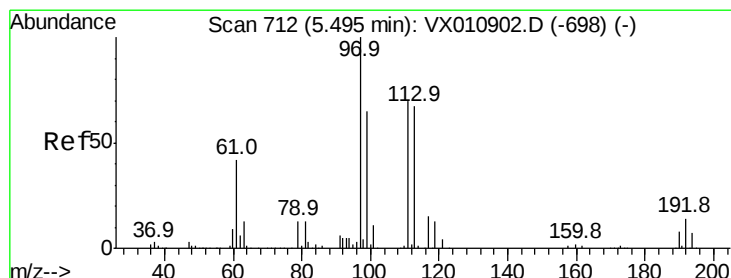
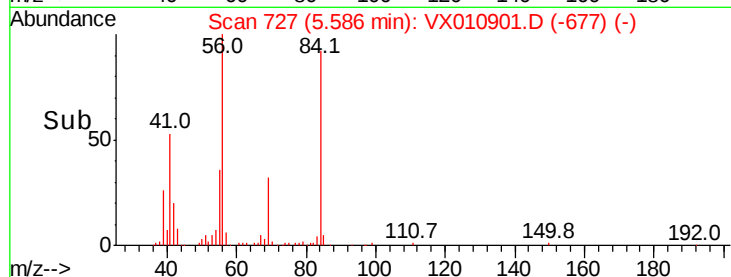
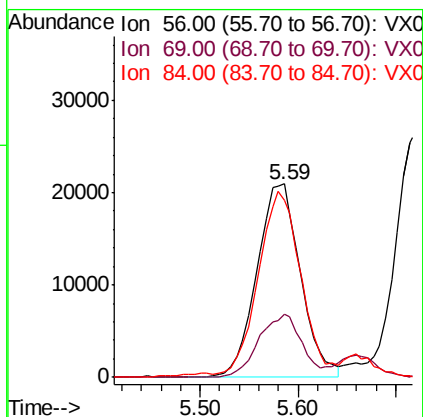
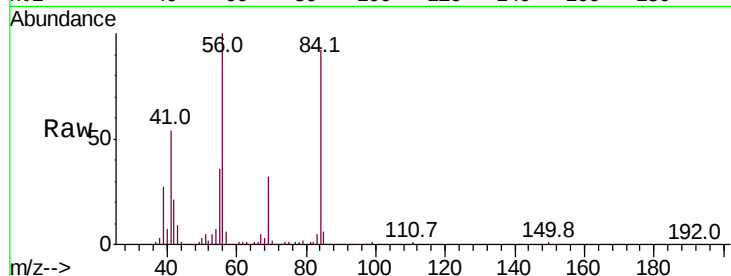
84 89.8 73.8 110.6

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.200 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

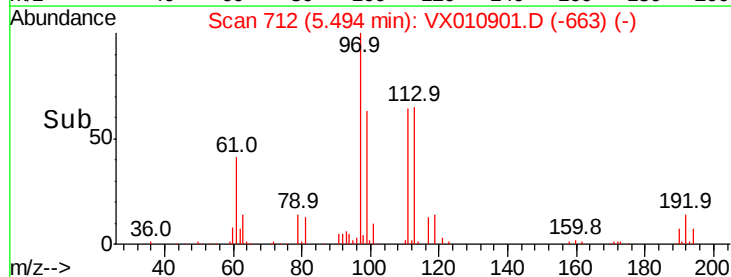
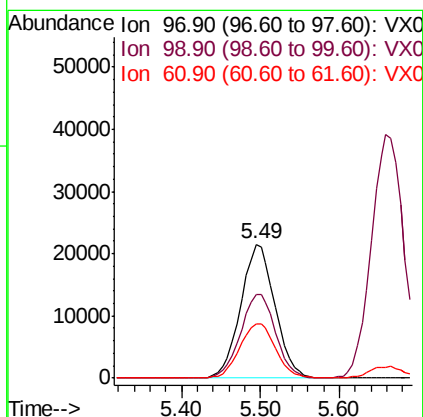
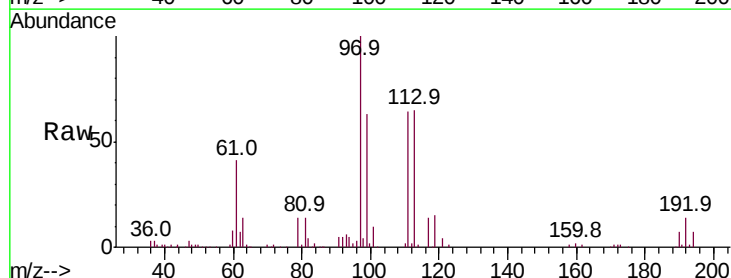
Tgt Ion: 97 Resp: 64979

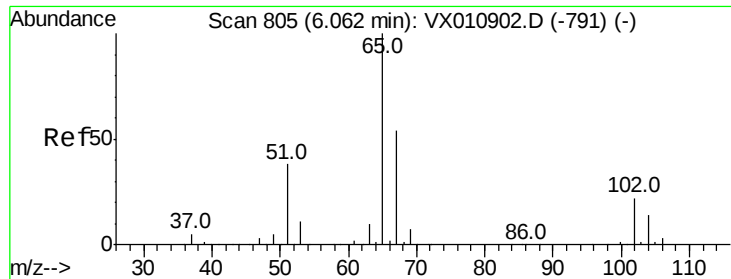
Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 42.6 33.0 49.6





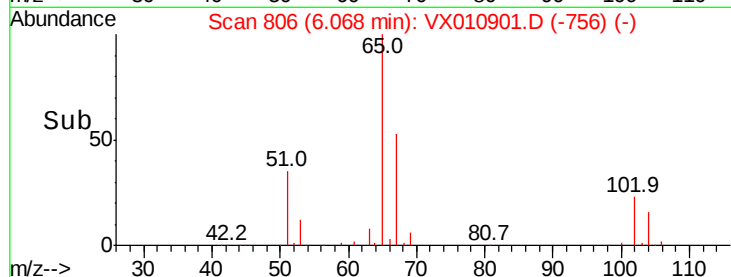
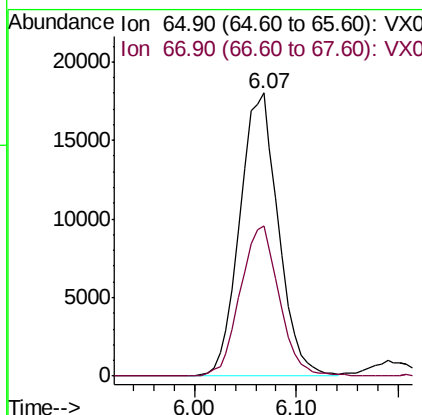
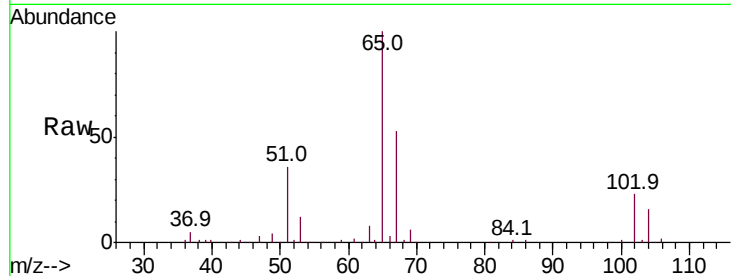
#33
 1,2-Dichloroethane-d4
 Concen: 21.993 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	107.8

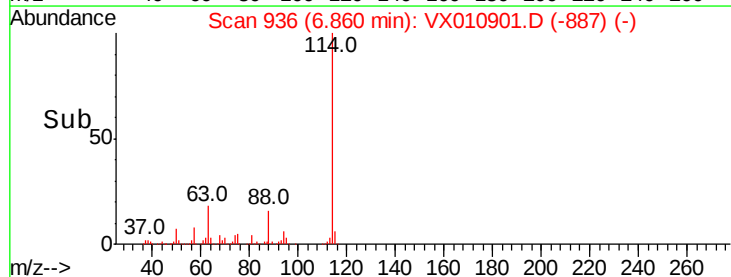
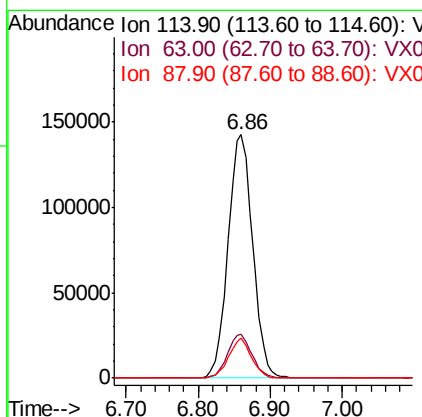
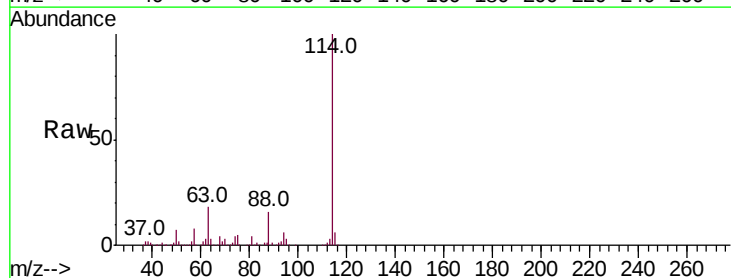
Manual Integrations
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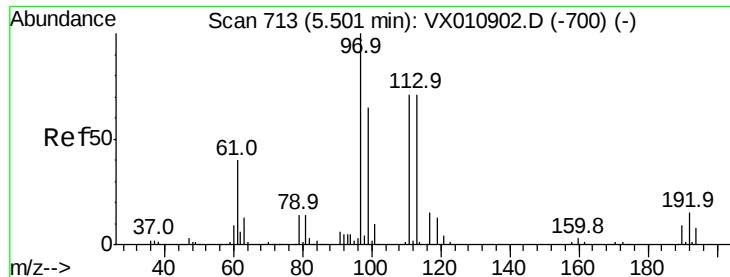
MMDadoda
 7/17/2019 10:45:02 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.6
88	16.4	0.0	29.8





#35

Dibromofluoromethane

Concen: 20.315 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

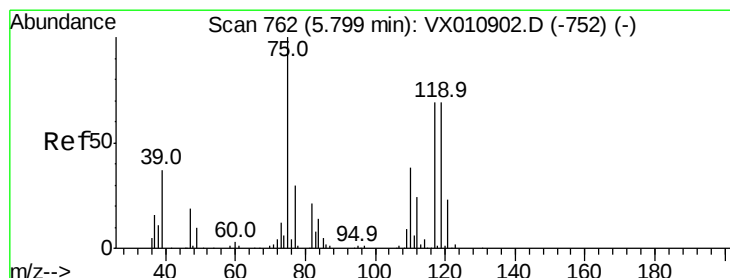
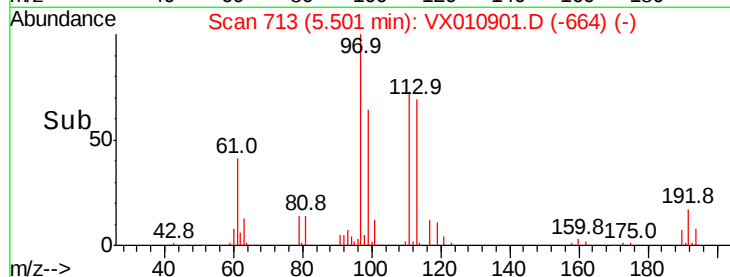
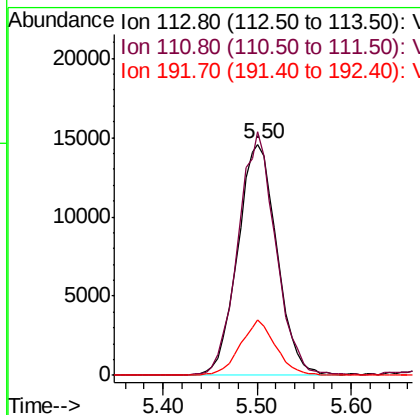
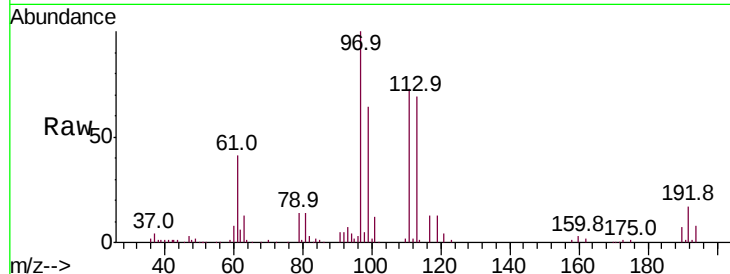
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	42396
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.3	123.5
192	21.7	17.4	26.2

Manual Integrations
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MMDadoda
7/17/2019 10:45:02 AM



#36

1,1-Dichloropropene

Concen: 19.920 ug/l

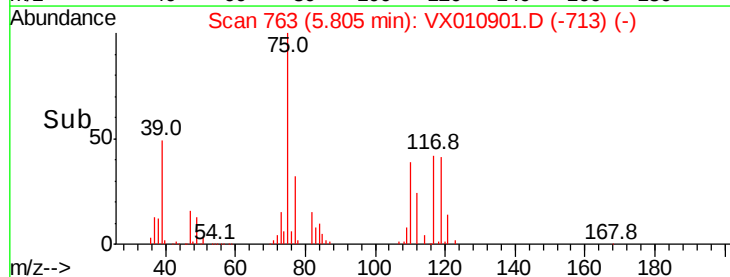
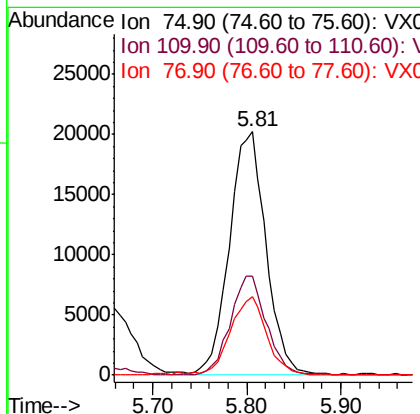
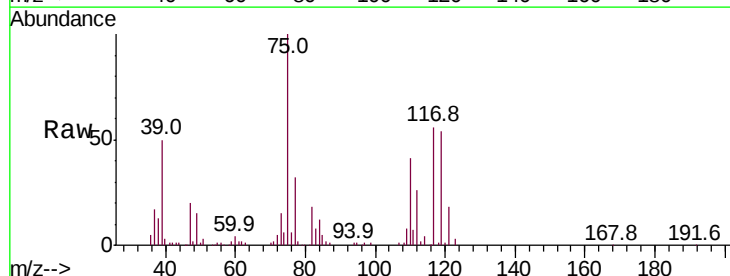
RT: 5.81 min Scan# 763

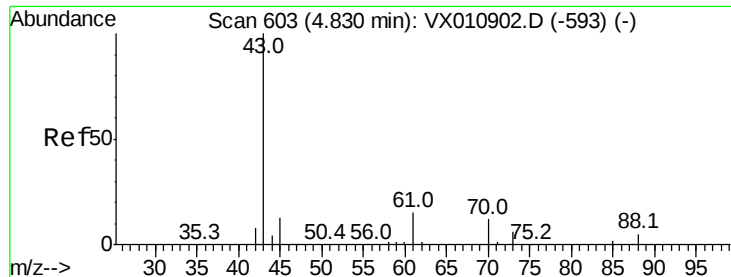
Delta R.T. 0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion:	75	Resp:	54306
Ion	Ratio	Lower	Upper
75	100		
110	40.7	19.9	59.7
77	32.2	25.0	37.4





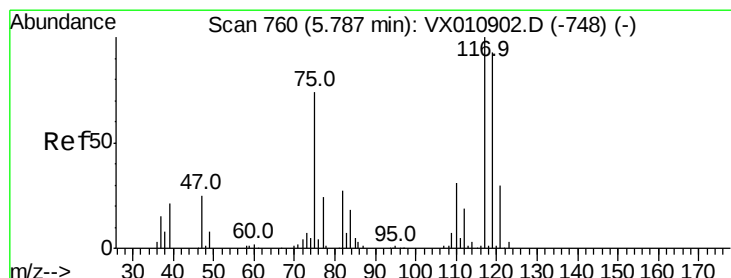
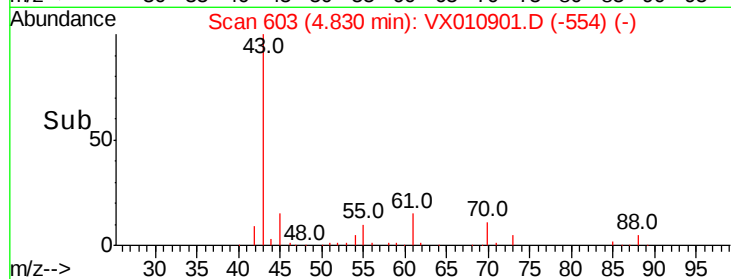
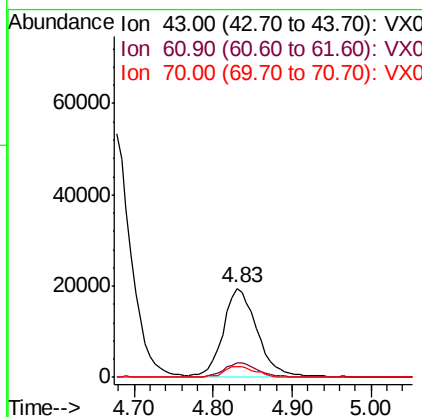
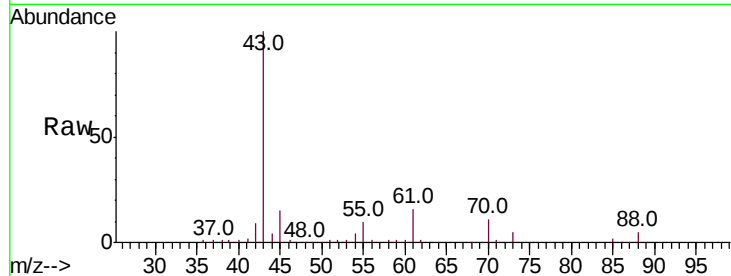
#37
Ethyl Acetate
Concen: 20.426 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.6	17.4
70	12.5	9.1	13.7

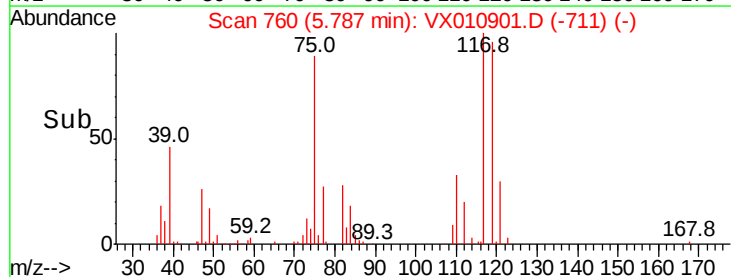
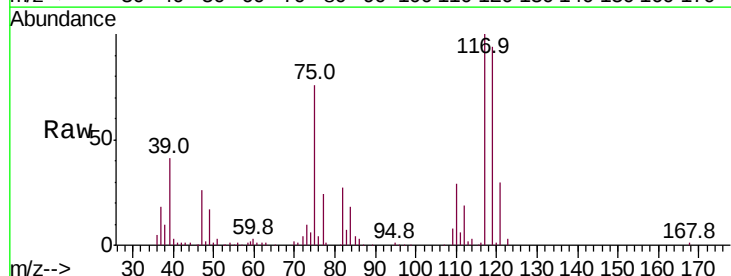
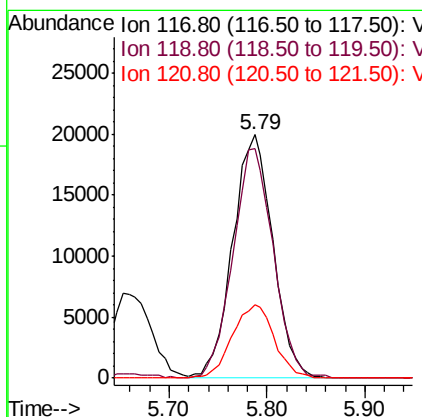
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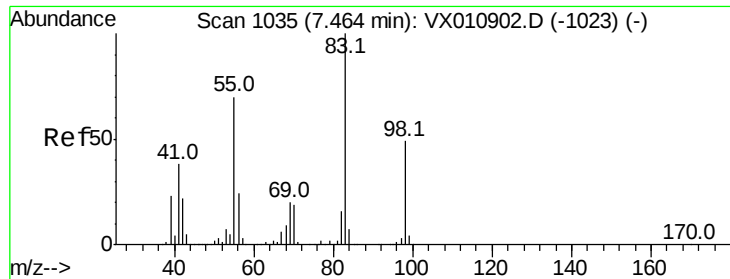
MMDadoda
7/17/2019 10:45:02 AM



#38
Carbon Tetrachloride
Concen: 19.422 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	74.2	111.2
121	30.0	24.2	36.2





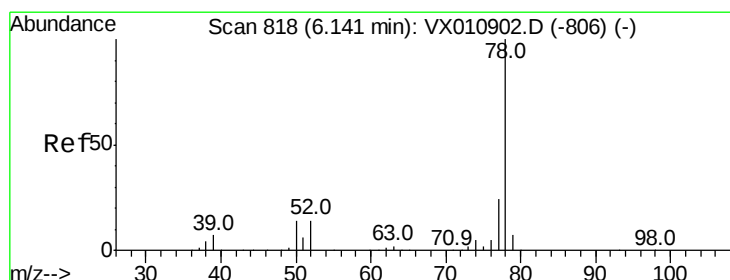
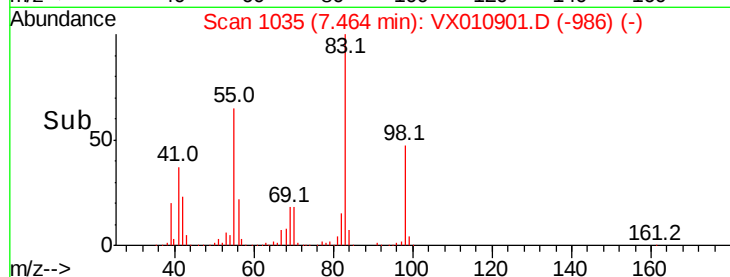
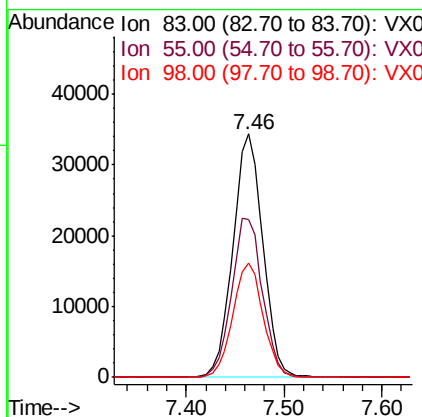
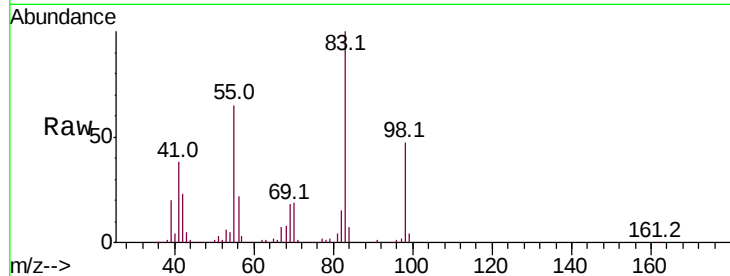
#39
Methvlcvclohexane
Concen: 20.449 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.9	56.2	84.4
98	47.0	39.0	58.4

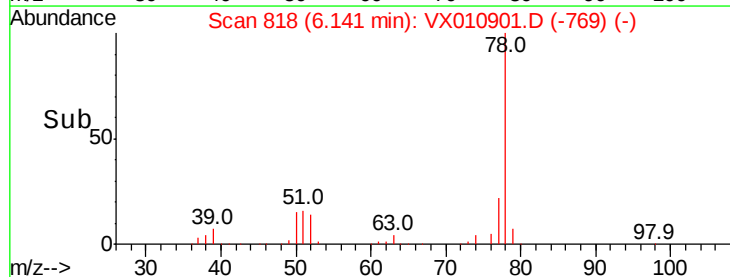
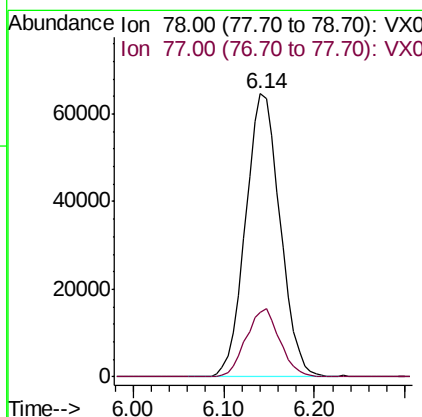
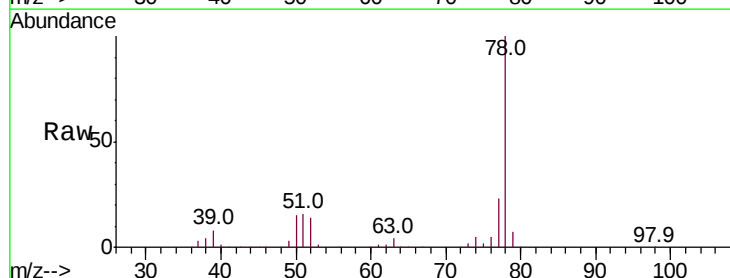
Manual Integrations
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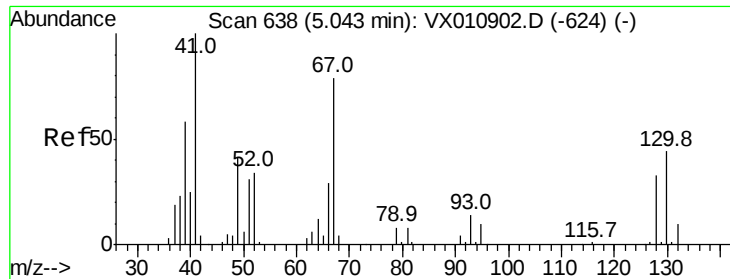
MMDadoda
7/17/2019 10:45:02 AM



#40
Benzene
Concen: 20.218 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.6





#41

Methacrylonitrile

Concen: 20.685 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

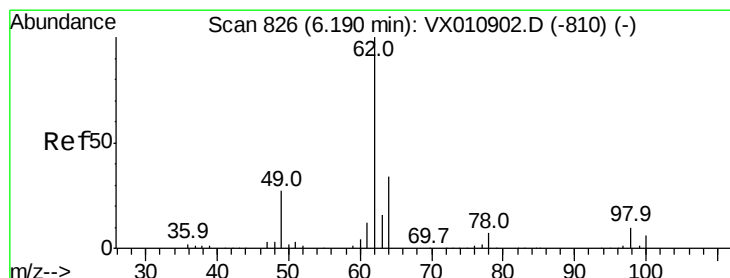
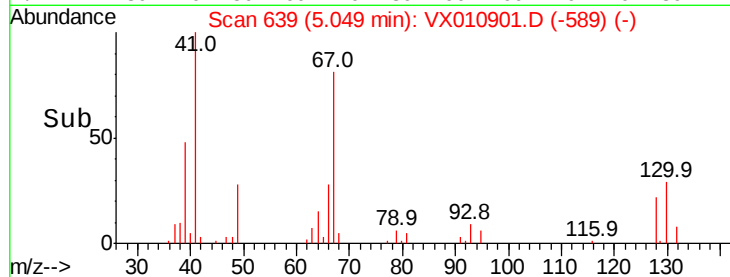
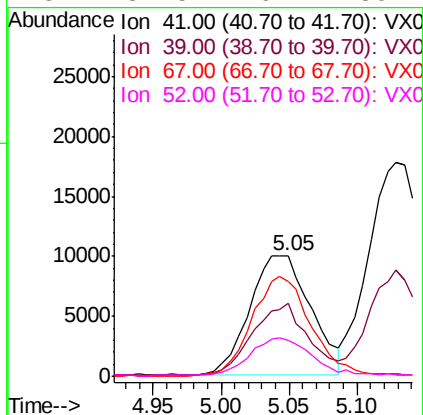
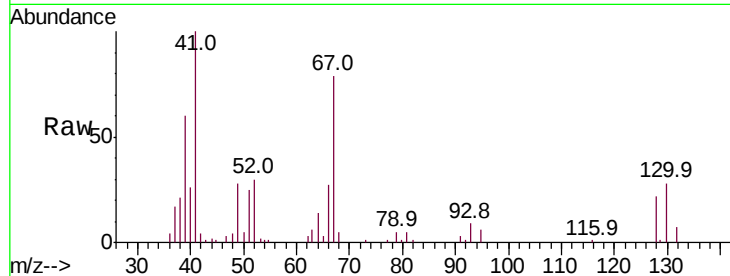
ClientSampleID :

VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.1	45.4	68.2	
67	80.9	65.9	98.9	
52	31.5	26.2	39.2	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.922 ug/l

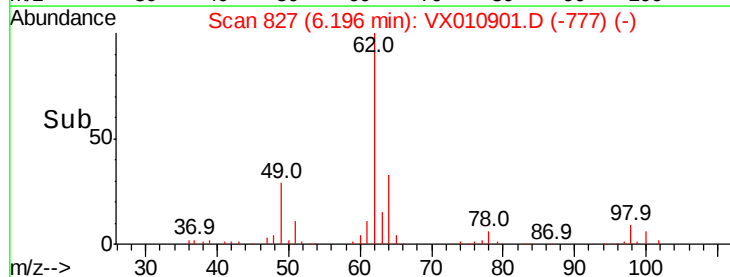
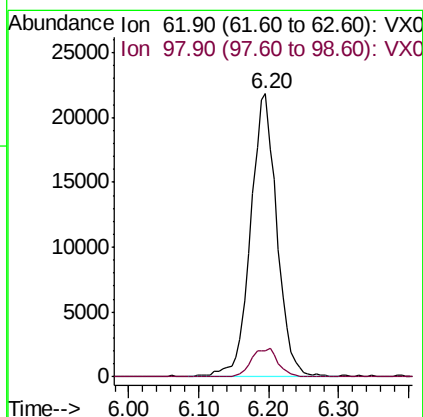
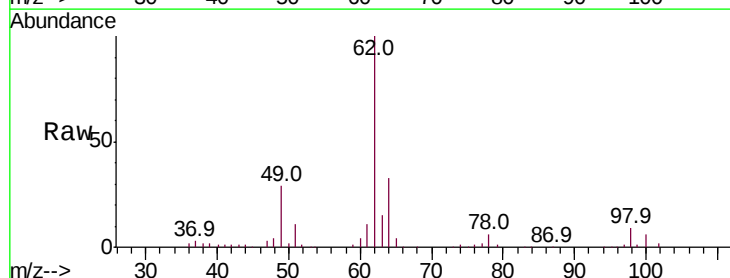
RT: 6.20 min Scan# 827

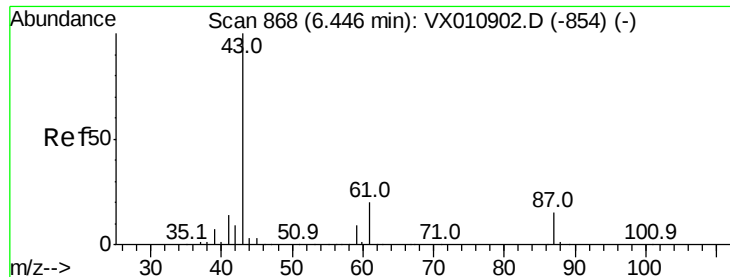
Delta R.T. 0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.0	





#43

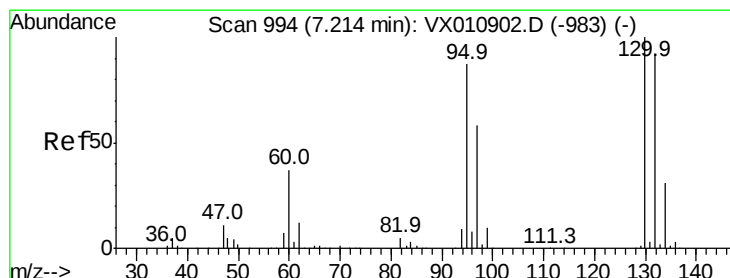
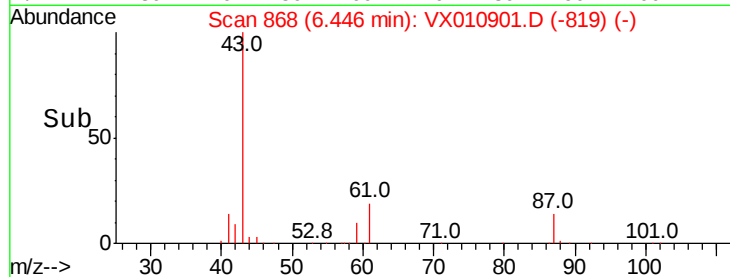
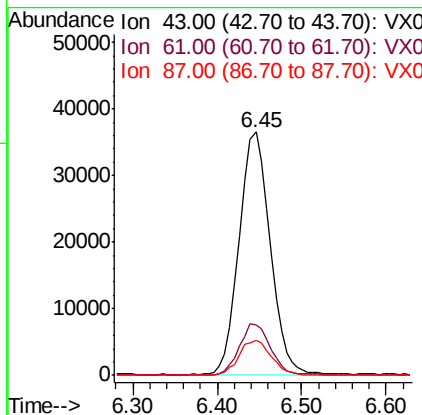
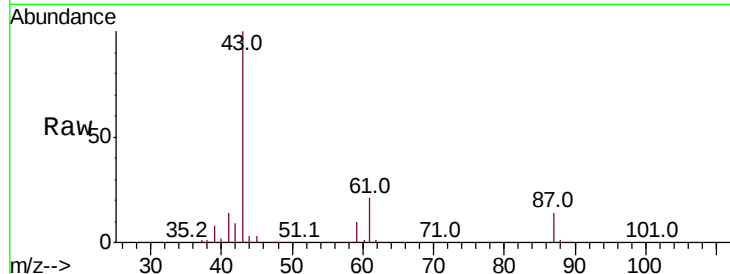
Isopropyl Acetate
 Concen: 19.774 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.4	17.1	25.7
87	15.1	12.0	18.0

Manual Integrations
 APPROVED

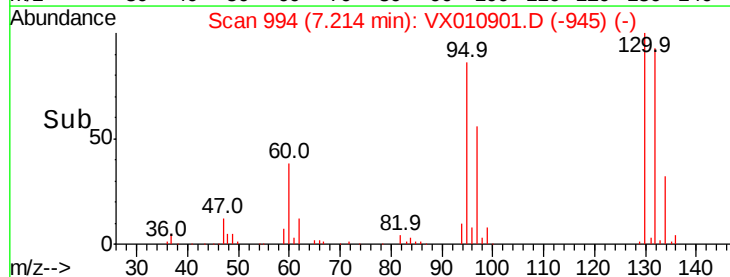
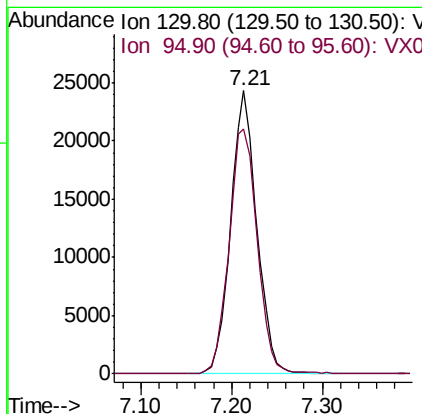
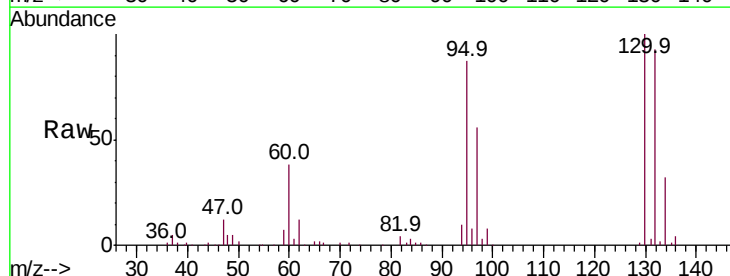
MMDadoda
 7/17/2019 10:45:02 AM

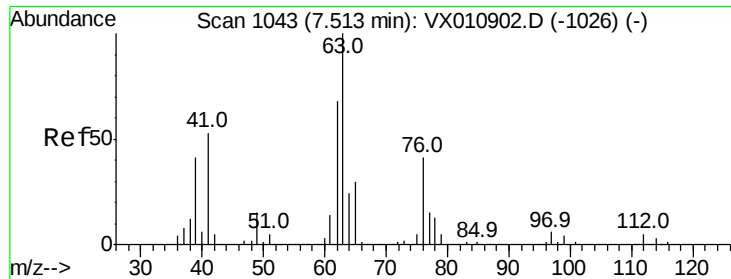


#44

Trichloroethene
 Concen: 19.429 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.6	0.0	174.8





#45

1,2-Dichloropropane

Concen: 20.260 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 63 Resp: 43205

Ion Ratio Lower Upper

63 100

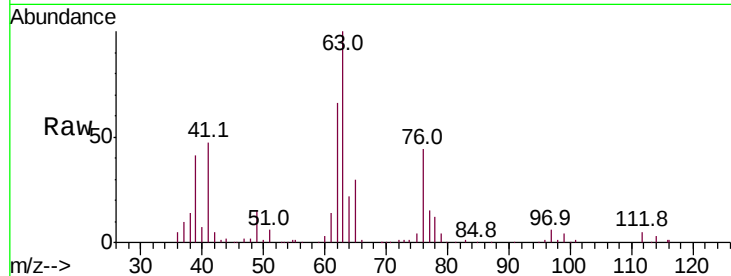
65 29.7 24.4 36.6

Manual Integrations

APPROVED

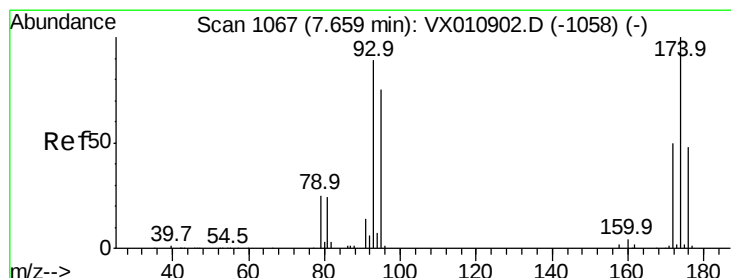
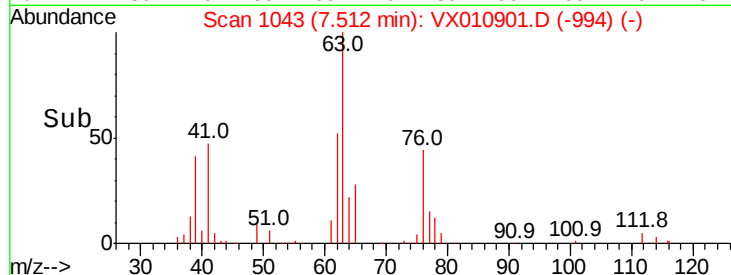
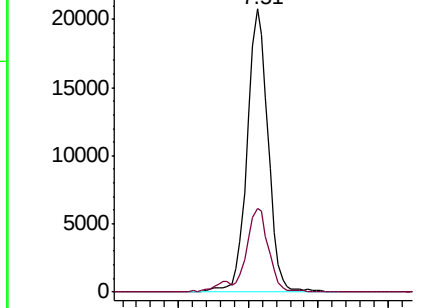
MMDadoda

7/17/2019 10:45:02 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.606 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

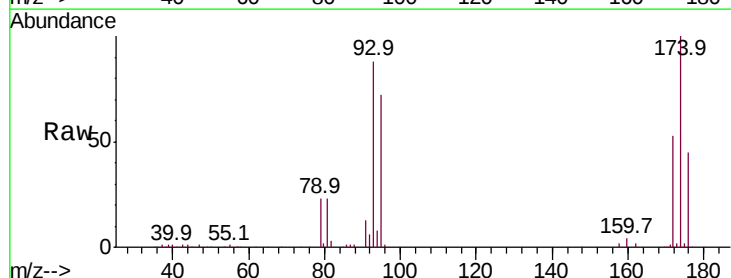
Tgt Ion: 93 Resp: 31548

Ion Ratio Lower Upper

93 100

95 82.5 67.2 100.8

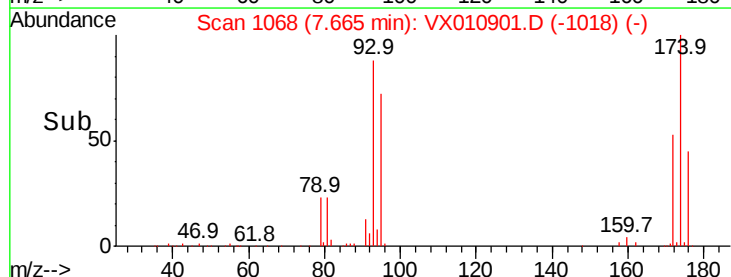
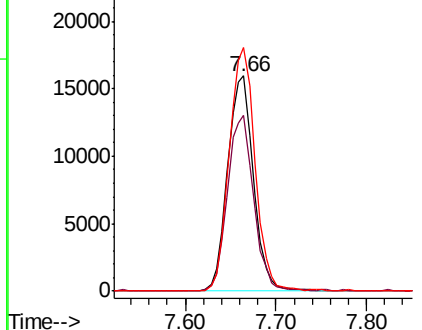
174 112.7 90.6 135.8

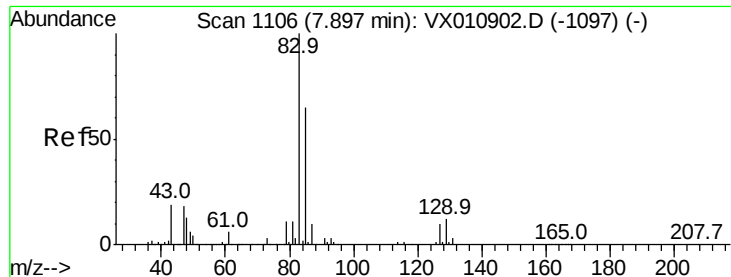


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.062 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

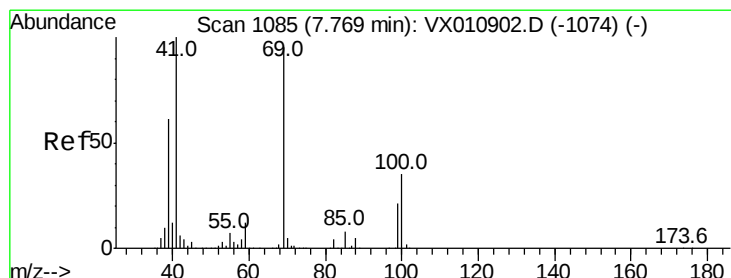
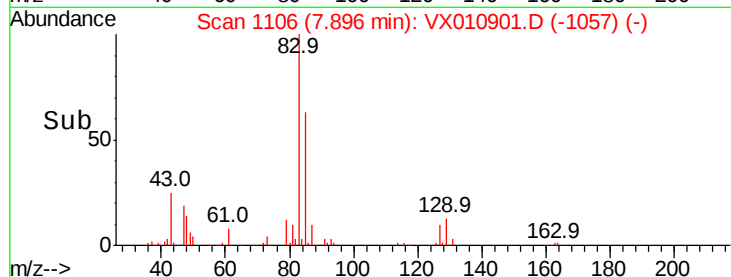
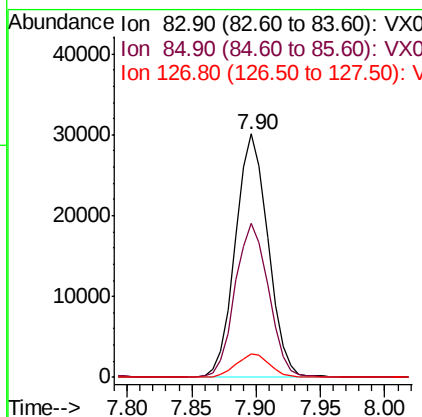
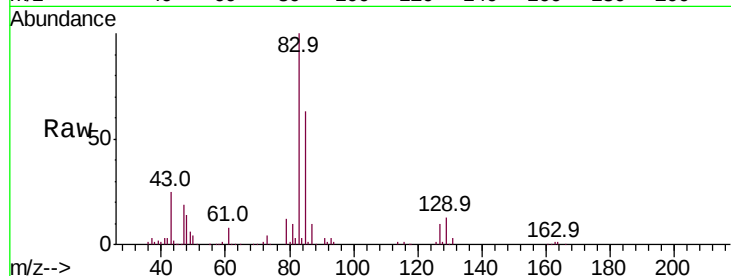
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	53213
Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.5	78.7
127	9.5	7.8	11.8

Manual Integrations
APPROVED

MMDadoda
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#48

Methyl methacrylate

Concen: 20.253 ug/l

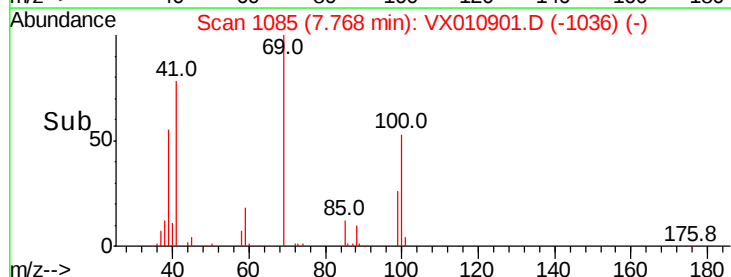
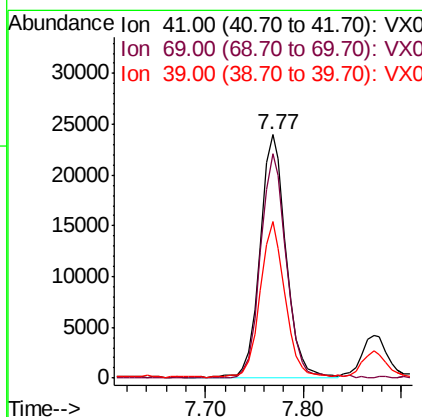
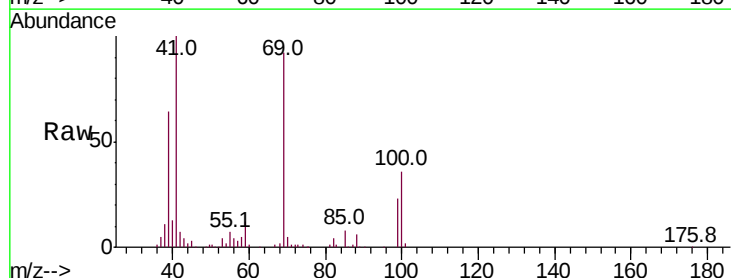
RT: 7.77 min Scan# 1085

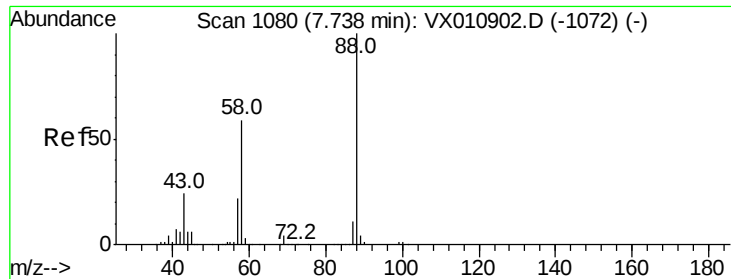
Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion:	41	Resp:	43535
Ion	Ratio	Lower	Upper
41	100		
69	93.0	74.4	111.6
39	61.2	48.9	73.3





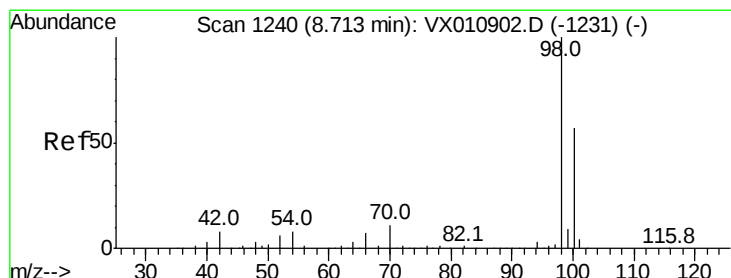
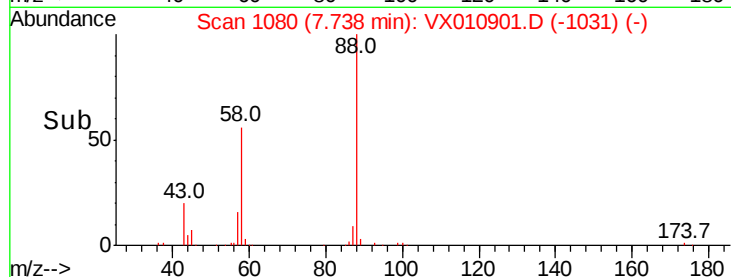
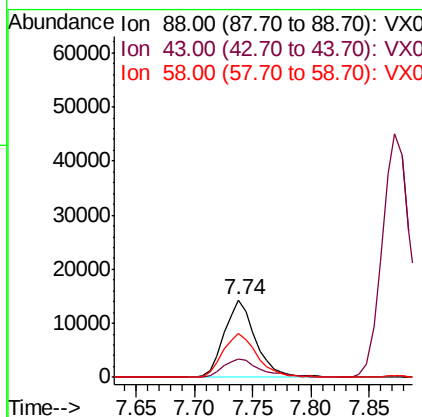
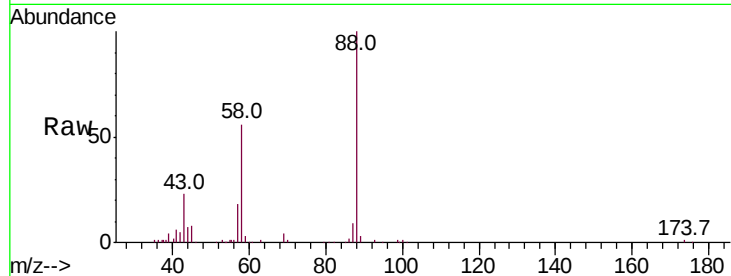
#49
1,4-Dioxane
Concen: 430.002 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.3	22.9	34.3
58	60.4	49.8	74.8

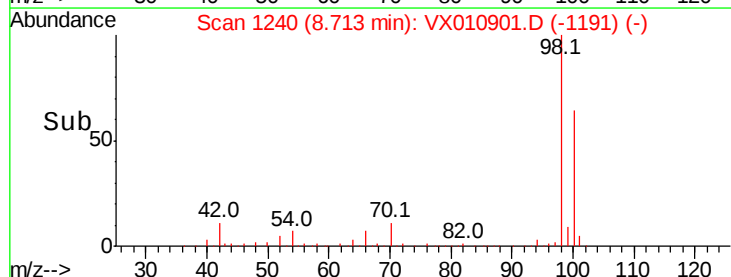
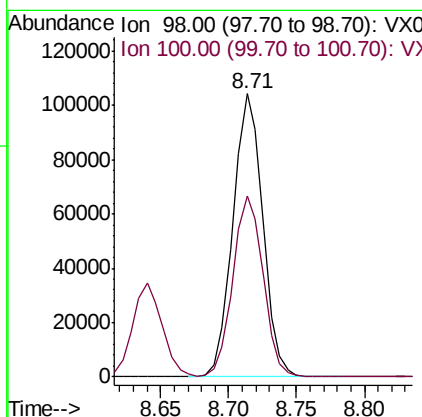
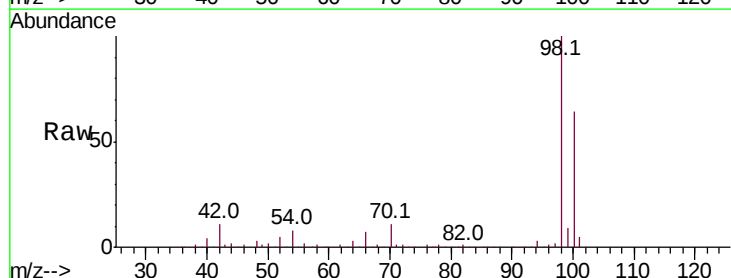
Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:02 AM



#50
Toluene-d8
Concen: 20.037 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 102.962 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 43 Resp: 304908

Ion Ratio Lower Upper

43 100

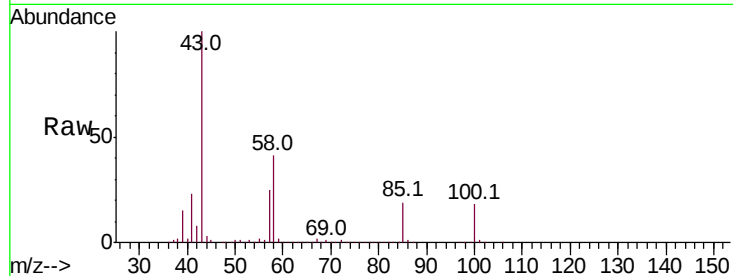
58 40.6 32.2 48.4

Manual Integrations

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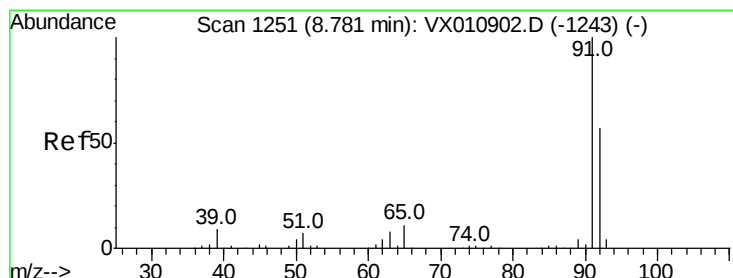
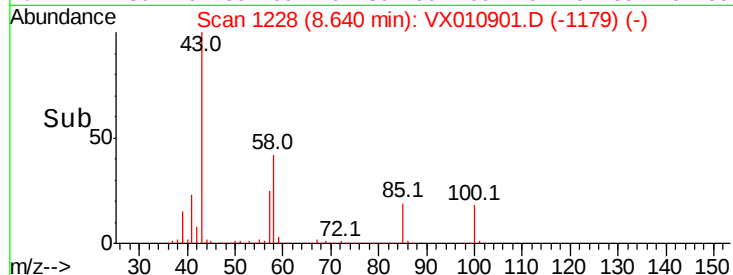
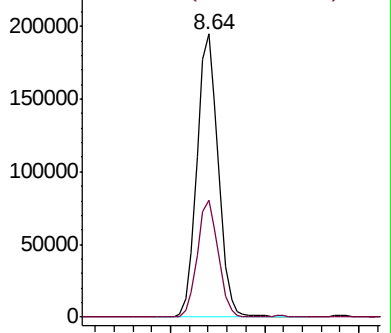
MMDadoda

7/17/2019 10:45:02 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 19.842 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010901.D

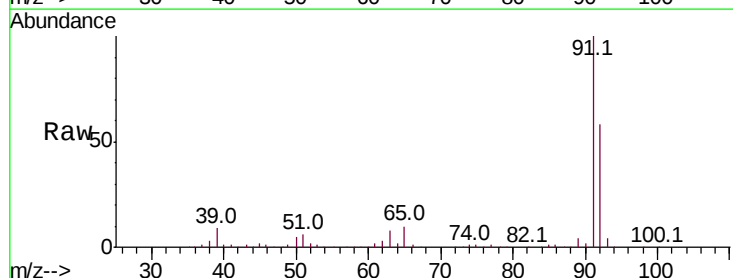
Acq: 16 Jul 2019 10:30

Tgt Ion: 92 Resp: 110179

Ion Ratio Lower Upper

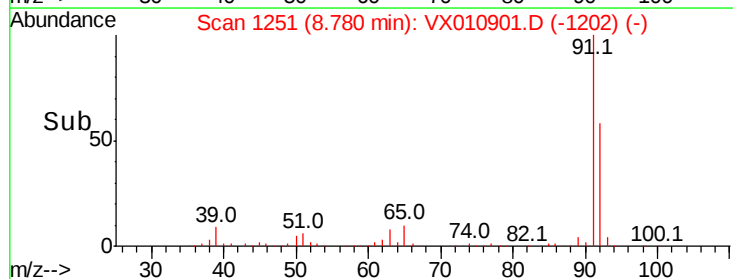
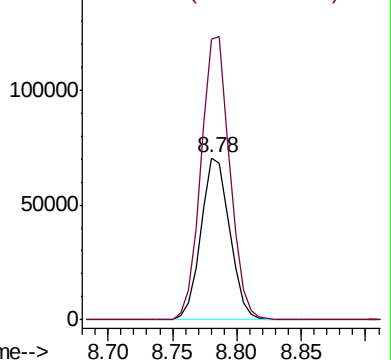
92 100

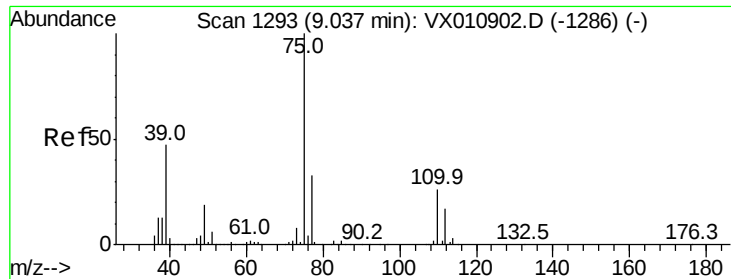
91 175.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 18.082 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tot Ion: 75 Resp: 56467

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.2

Instrument :

MSVOA_X

ClientSampleId :

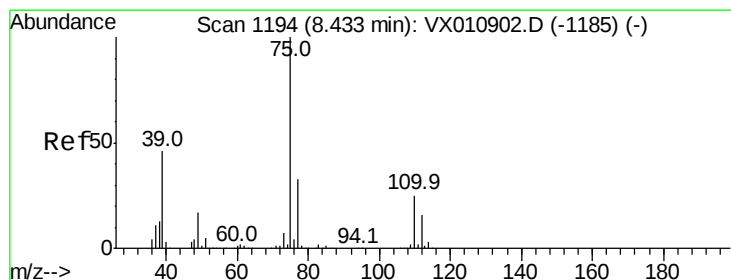
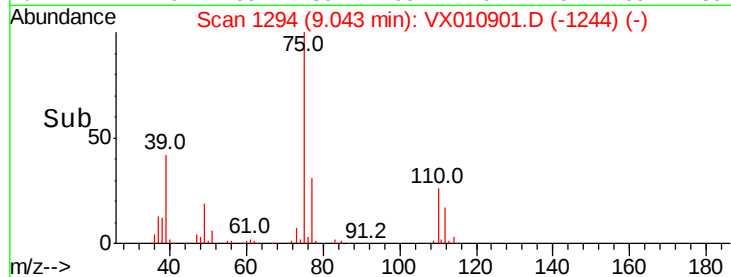
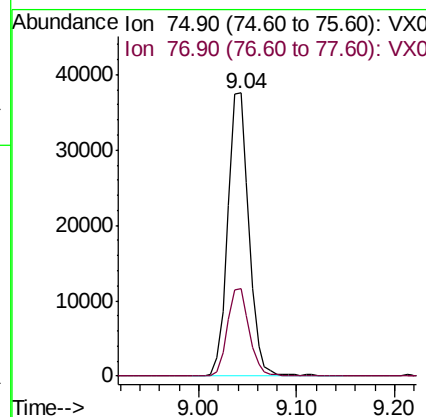
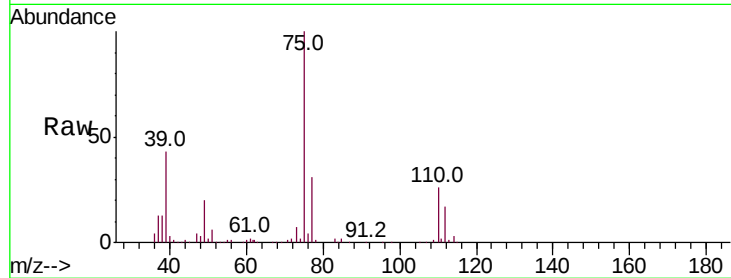
VSTDIC020

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.182 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

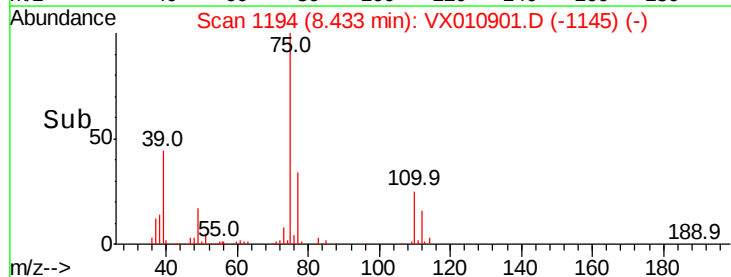
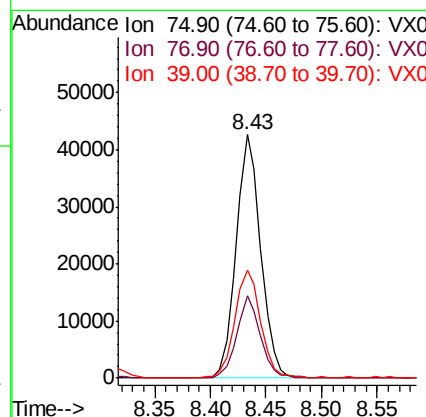
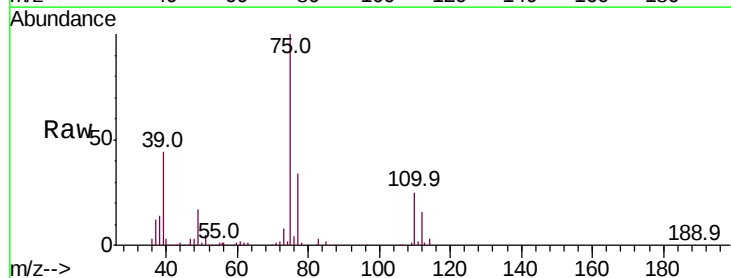
Tgt Ion: 75 Resp: 65292

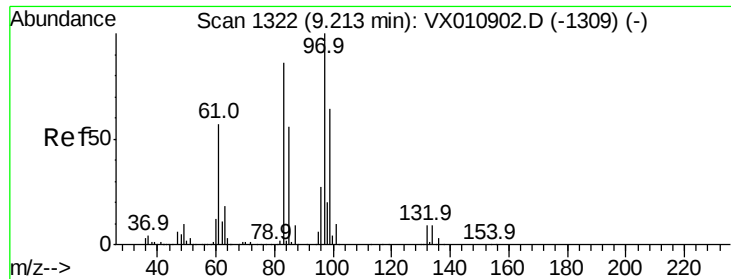
Ion Ratio Lower Upper

75 100

77 33.7 26.1 39.1

39 43.9 36.6 54.8





#55

1,1,2-Trichloroethane

Concen: 19.893 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 45440

Ion Ratio Lower Upper

97 100

83 85.1 69.2 103.8

85 54.9 44.6 66.8

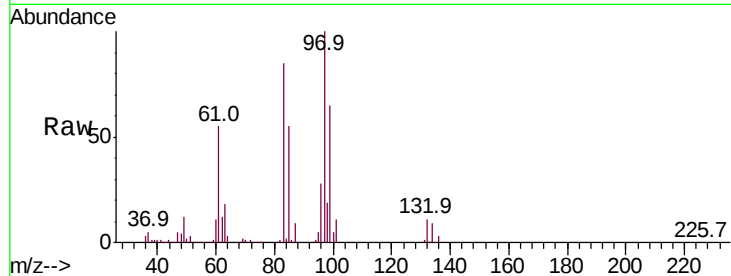
99 64.8 51.2 76.8

Manual Integrations

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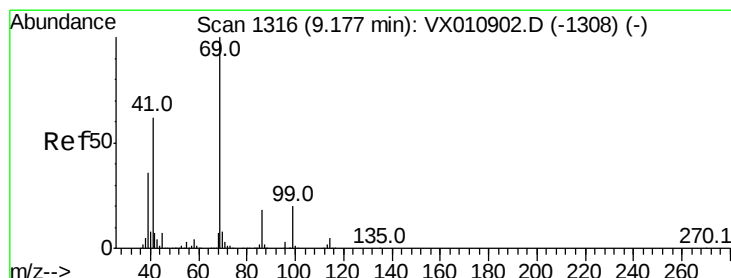
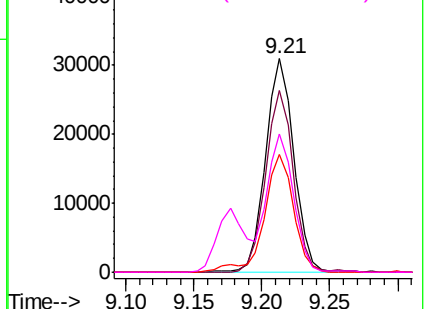
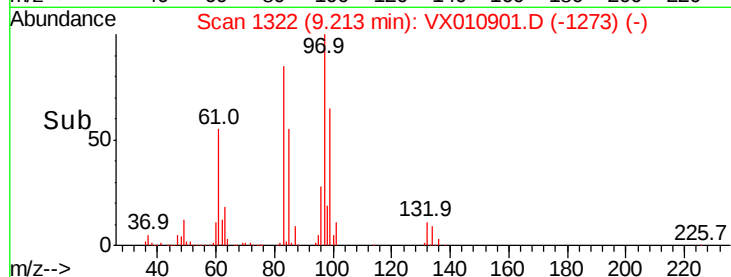


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.273 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

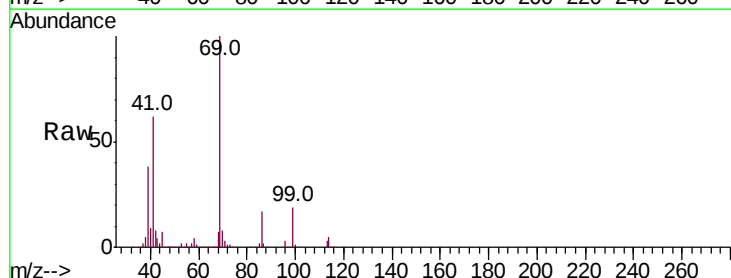
Tgt Ion: 69 Resp: 66695

Ion Ratio Lower Upper

69 100

41 63.3 49.7 74.5

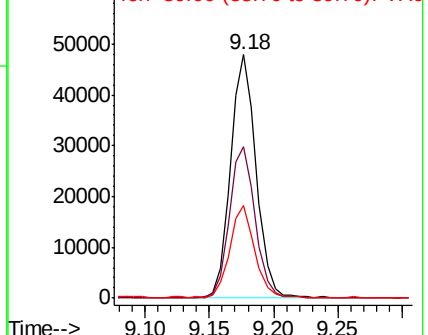
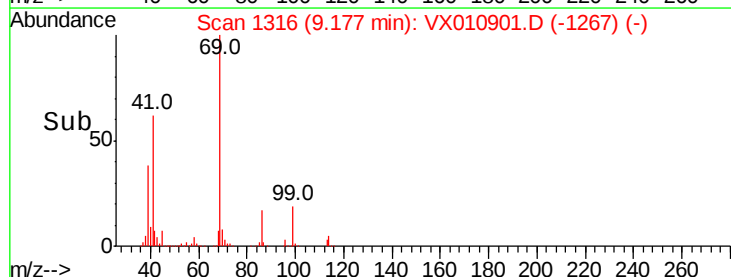
39 36.5 29.6 44.4

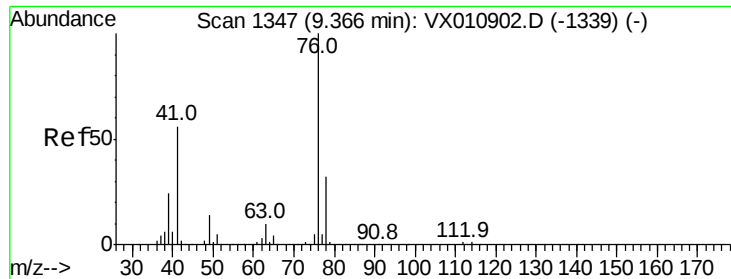


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.156 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 76 Resp: 71761

Ion Ratio Lower Upper

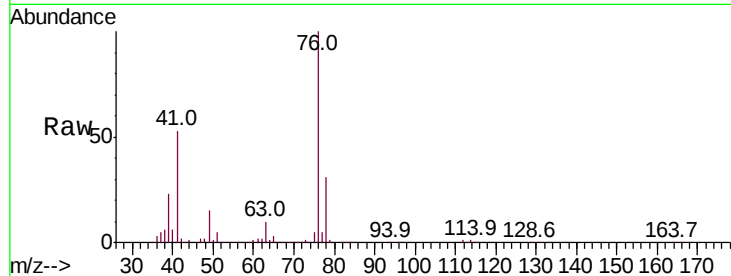
76 100

78 32.2 25.6 38.4

Manual Integrations
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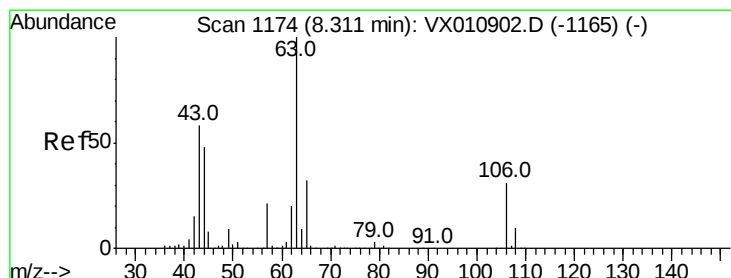
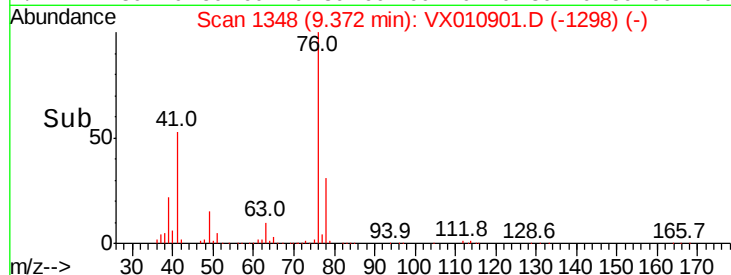
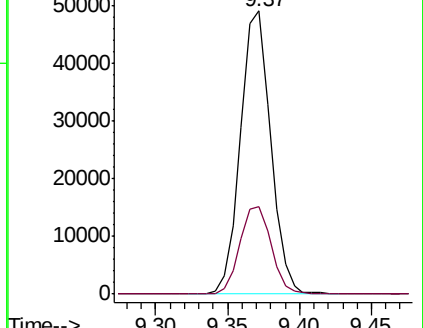
MMDadoda

7/17/2019 10:45:02 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.522 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010901.D

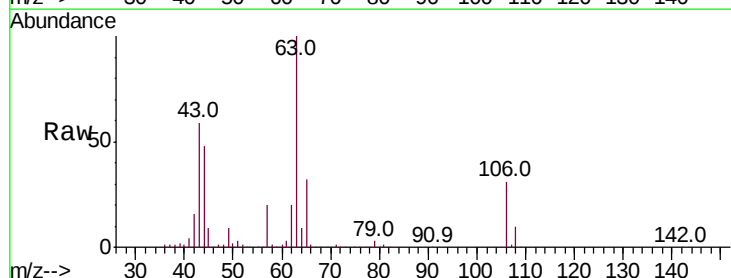
Acq: 16 Jul 2019 10:30

Tgt Ion: 63 Resp: 161371

Ion Ratio Lower Upper

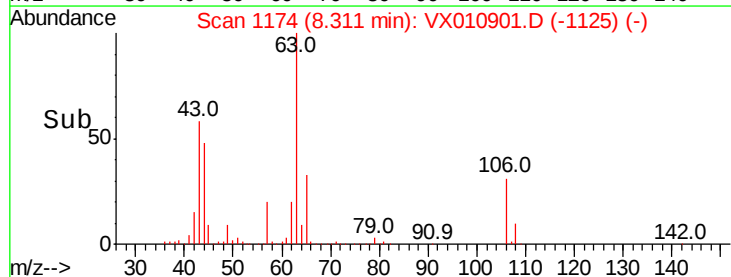
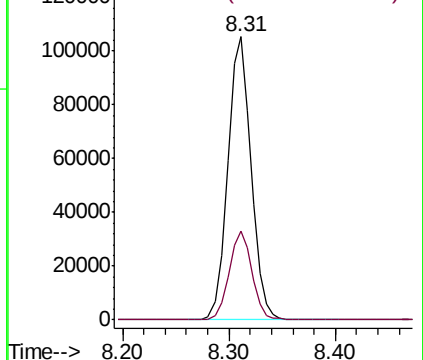
63 100

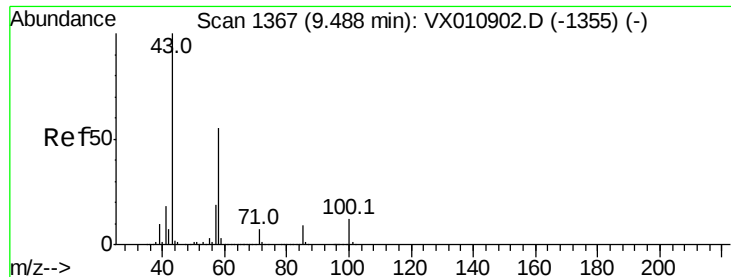
106 30.8 24.0 36.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





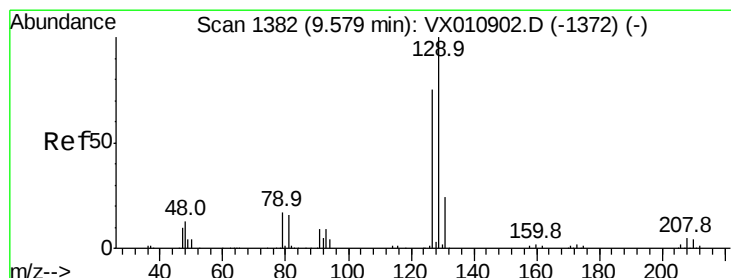
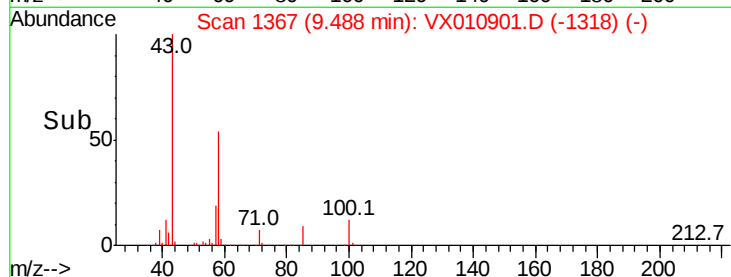
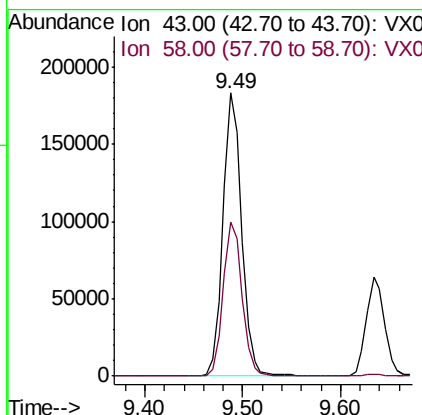
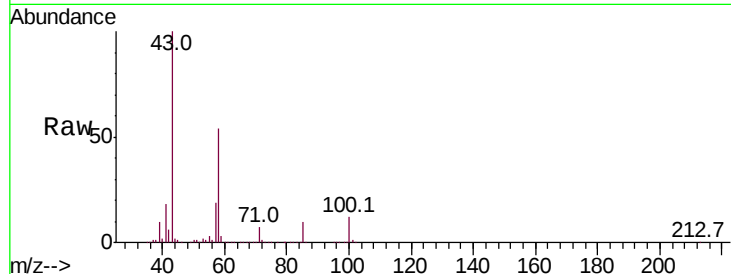
#59
2-Hexanone
Concen: 104.244 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 242974
Ion Ratio Lower Upper
43 100
58 55.3 28.0 83.9

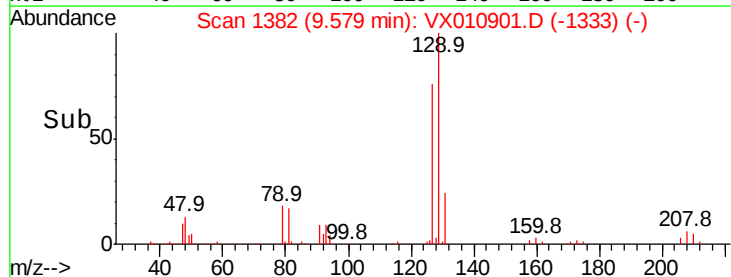
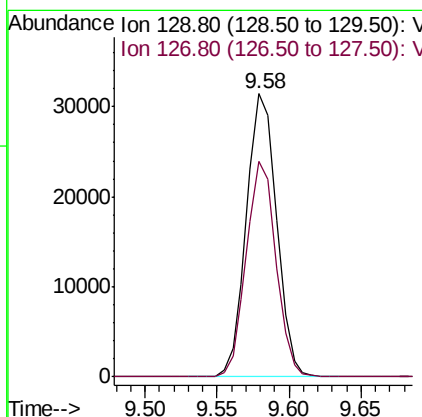
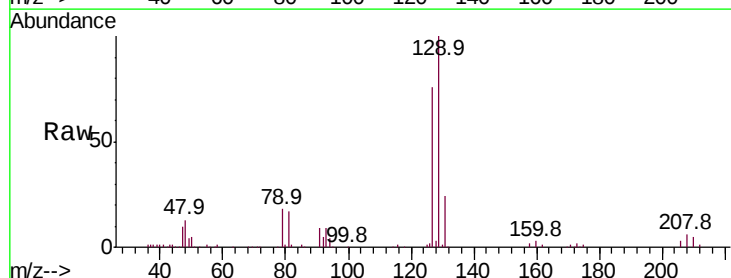
Manual Integrations
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#60
Dibromochloromethane
Concen: 17.932 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion: 129 Resp: 45563
Ion Ratio Lower Upper
129 100
127 75.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.218 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 49918

Ion Ratio Lower Upper

107 100

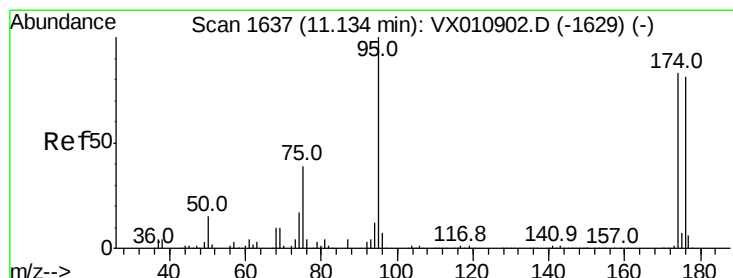
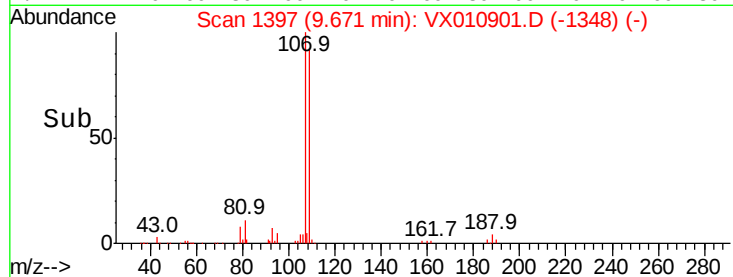
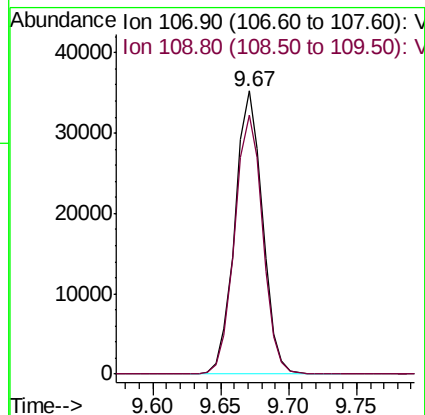
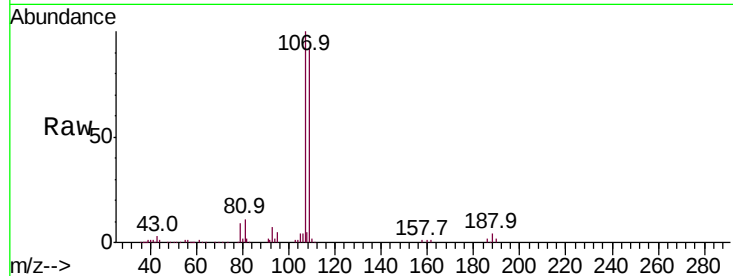
109 93.1 75.4 113.0

Manual Integrations

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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 19.243 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

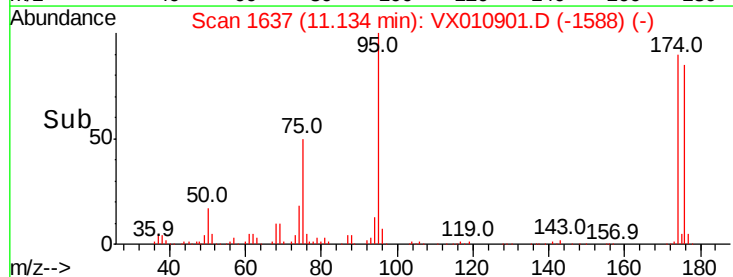
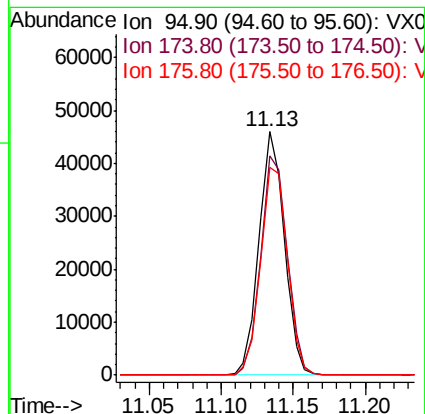
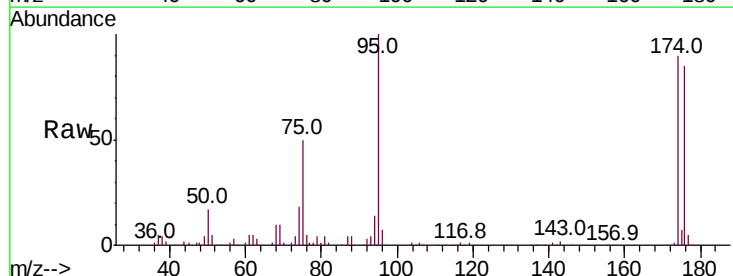
Tgt Ion: 95 Resp: 55707

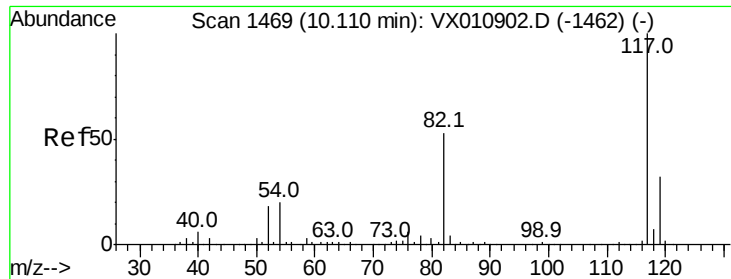
Ion Ratio Lower Upper

95 100

174 94.3 0.0 180.6

176 90.5 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: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:117 Resp: 304978

Ion Ratio Lower Upper

117 100

82 53.4 42.6 63.8

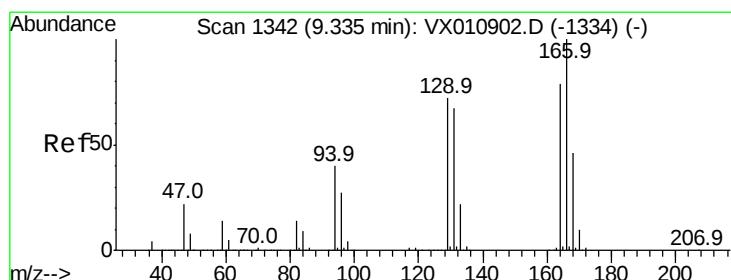
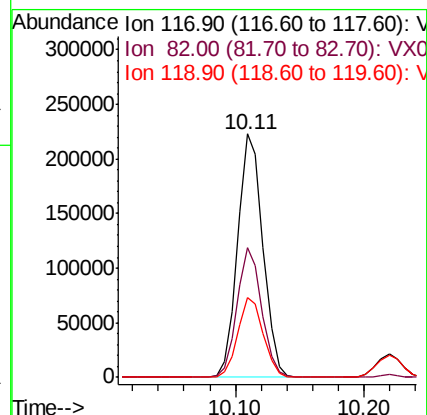
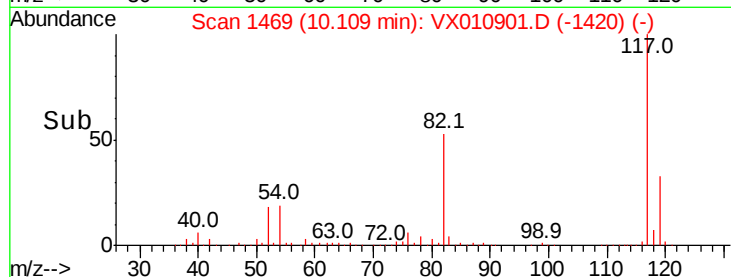
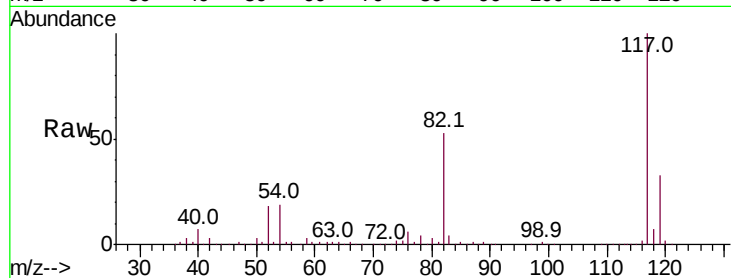
119 32.6 25.9 38.9

Manual Integrations

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#64

Tetrachloroethene

Concen: 20.097 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion:164 Resp: 49371

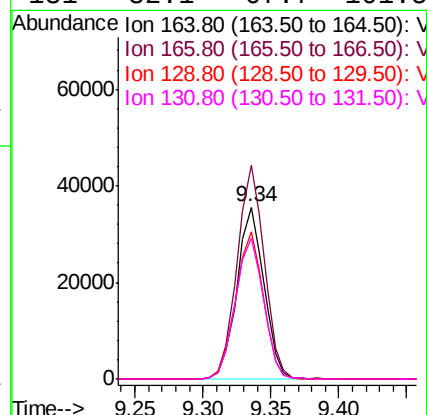
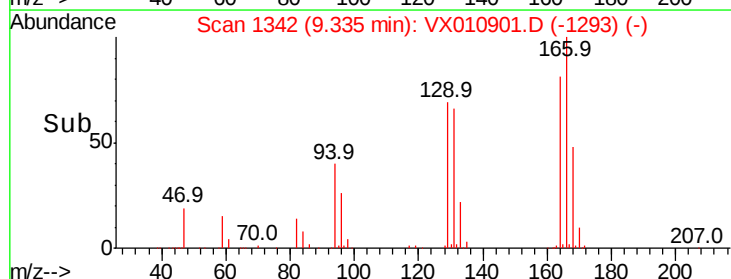
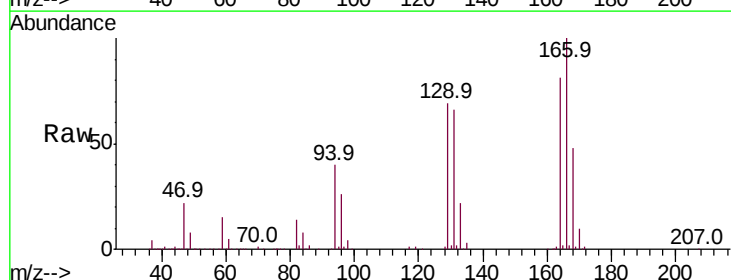
Ion Ratio Lower Upper

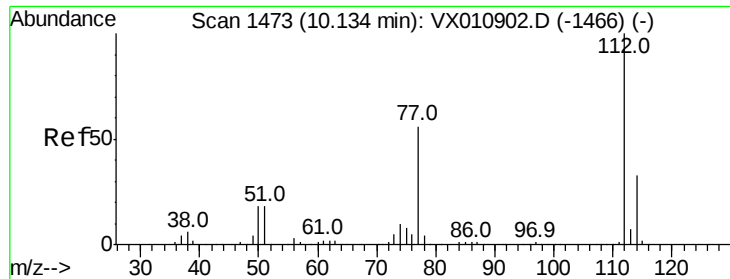
164 100

166 124.1 100.8 151.2

129 85.7 72.6 109.0

131 82.1 67.7 101.5





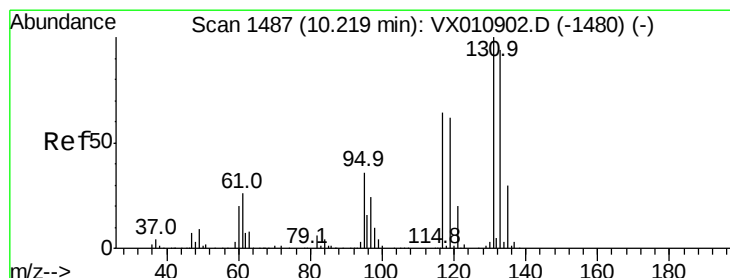
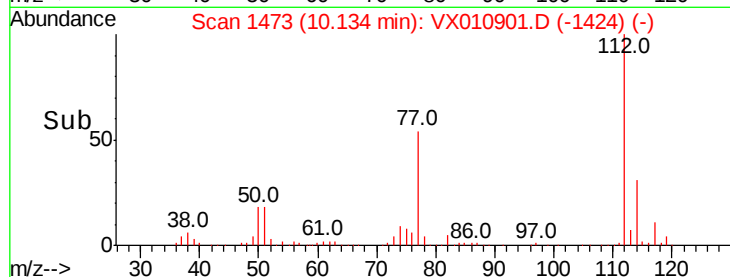
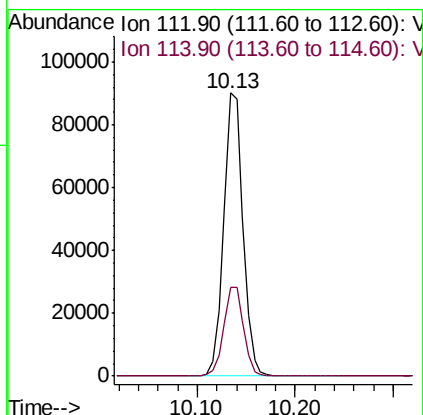
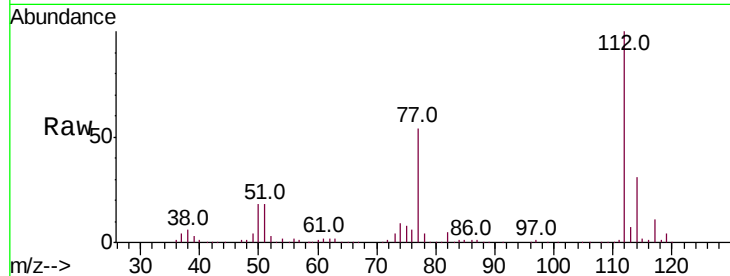
#65
Chlorobenzene
Concen: 19.937 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 123188
Ion Ratio Lower Upper
112 100
114 31.2 26.2 39.4

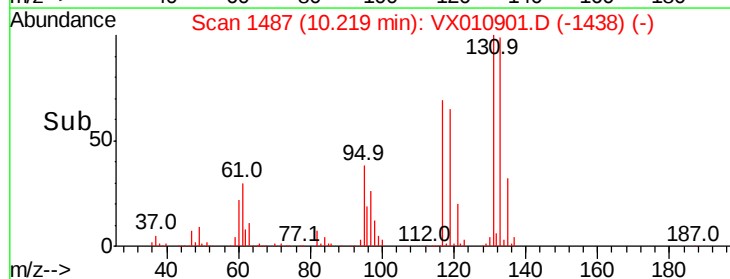
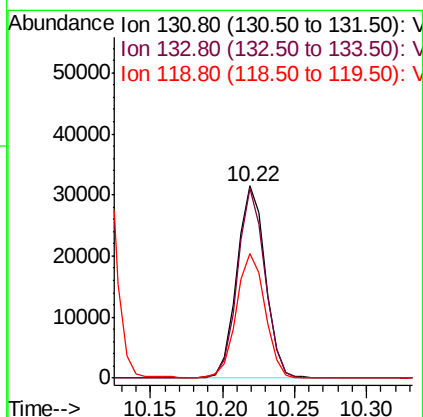
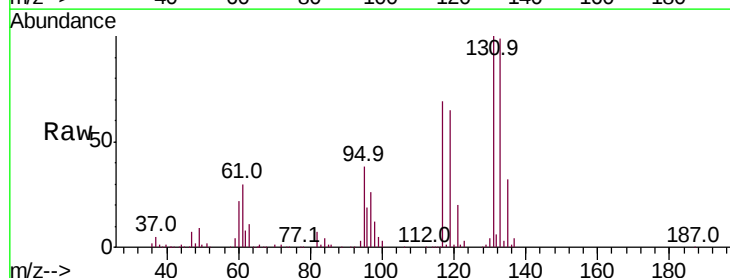
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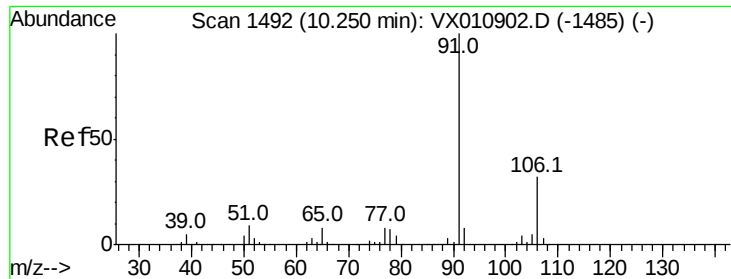
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.250 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion:131 Resp: 43306
Ion Ratio Lower Upper
131 100
133 95.1 47.1 141.4
119 66.0 31.9 95.7





#67

Ethyl Benzene

Concen: 20.226 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 212162

Ion Ratio Lower Upper

91 100

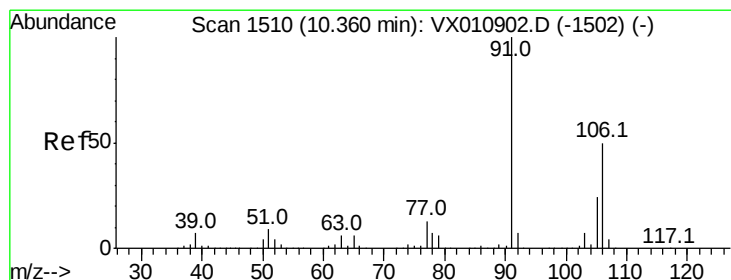
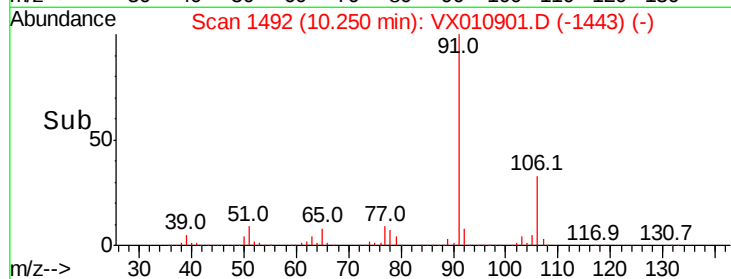
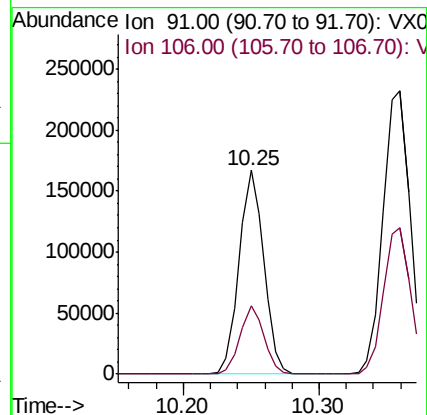
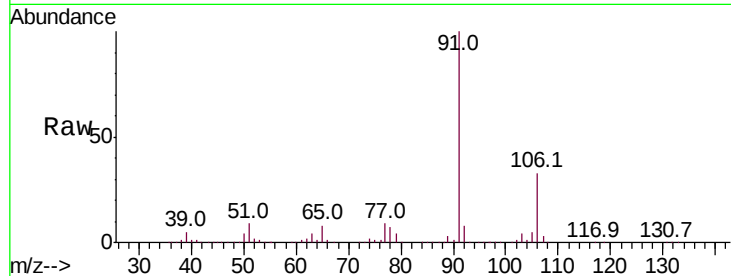
106 33.4 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.995 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010901.D

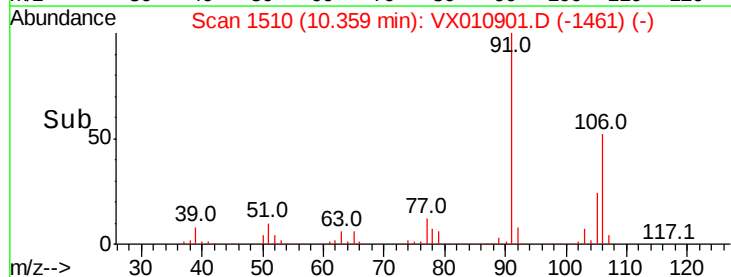
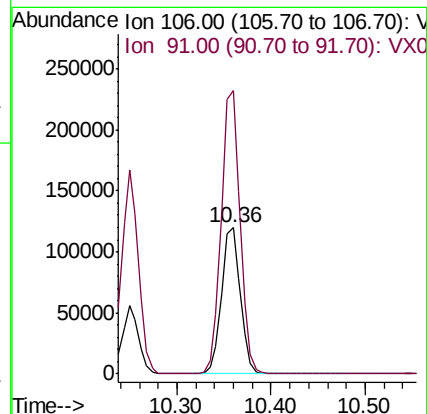
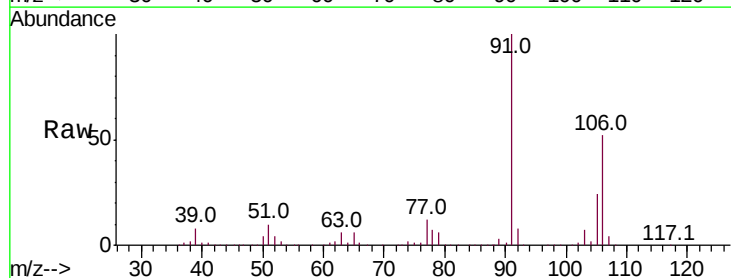
Acq: 16 Jul 2019 10:30

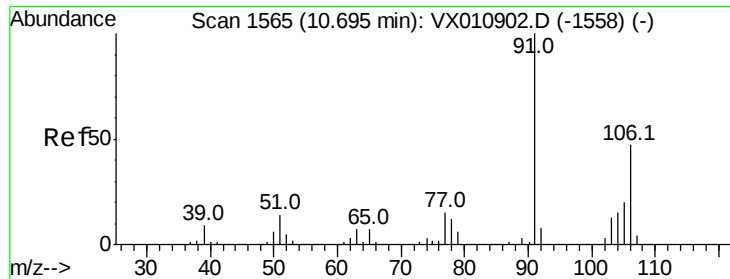
Tgt Ion: 106 Resp: 166220

Ion Ratio Lower Upper

106 100

91 194.3 160.1 240.1





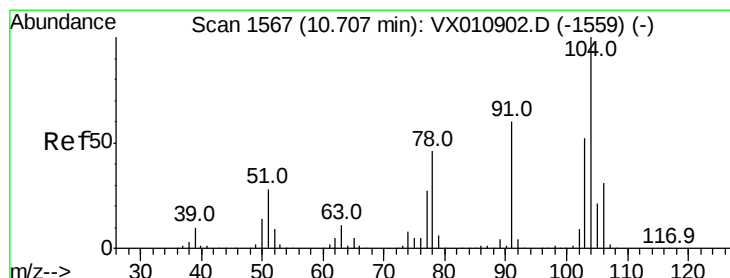
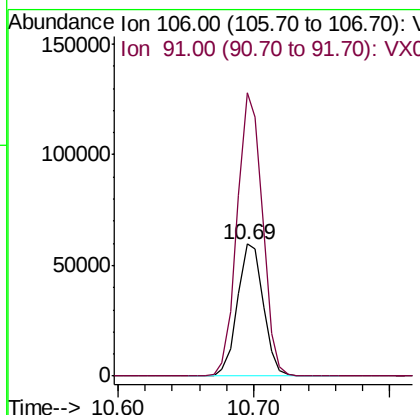
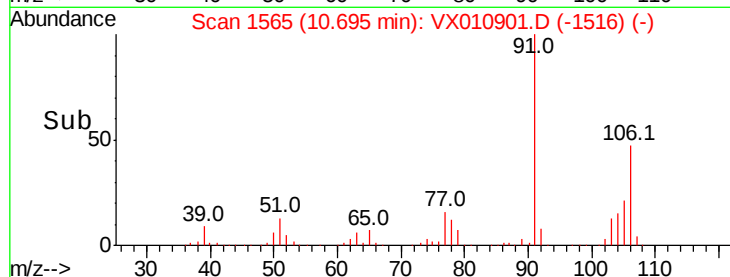
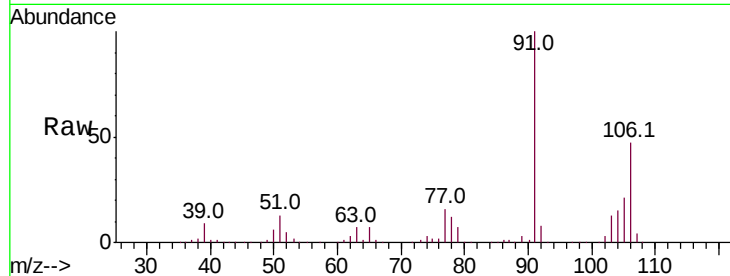
#69
o-Xylene
Concen: 19.760 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 78886
Ion Ratio Lower Upper
106 100
91 209.9 105.1 315.3

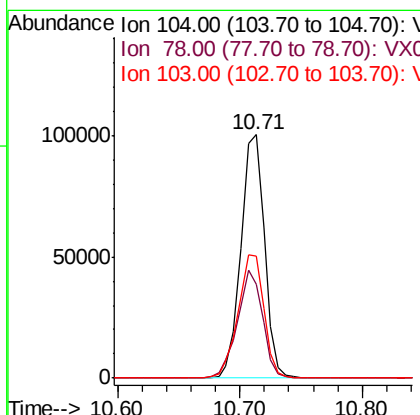
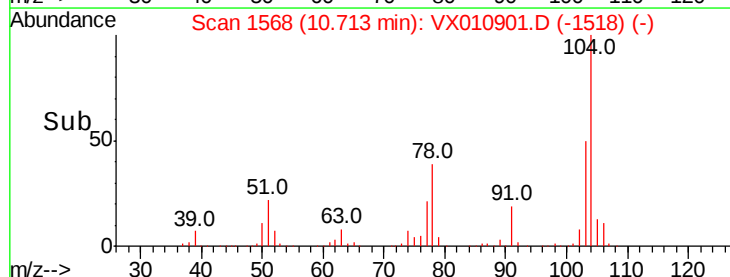
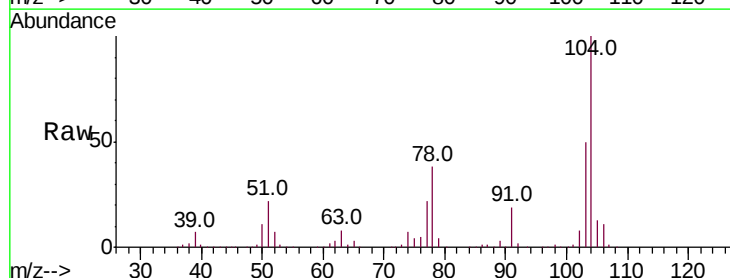
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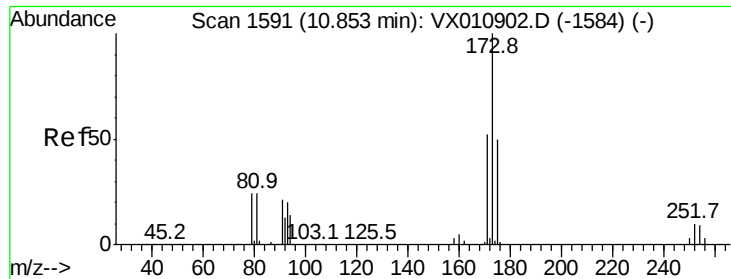
MMDadoda
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#70
Styrene
Concen: 20.018 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion:104 Resp: 133977
Ion Ratio Lower Upper
104 100
78 47.2 38.8 58.2
103 55.8 44.2 66.4





#71

Bromoform

Concen: 17.528 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 33712

Ion Ratio Lower Upper

173 100

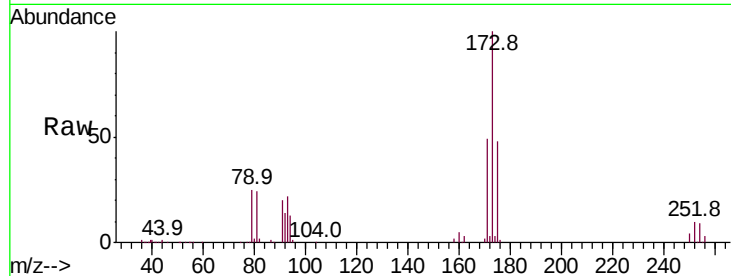
175 47.9 24.6 73.6

254 0.1 0.1 0.1#

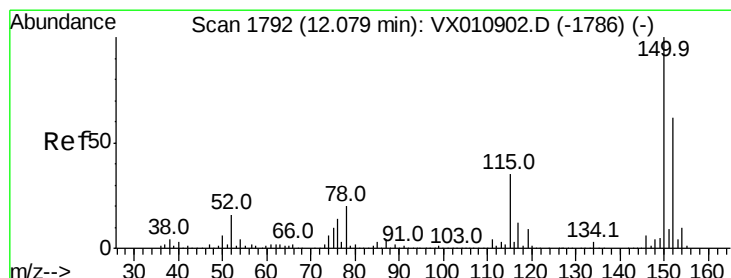
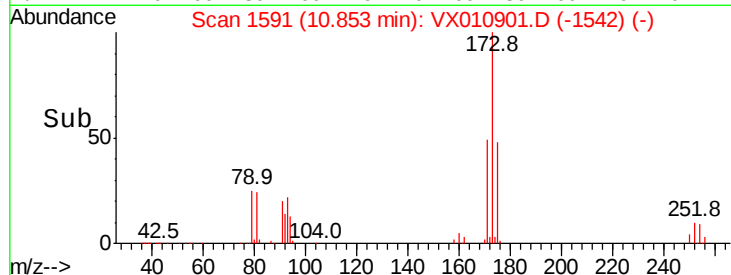
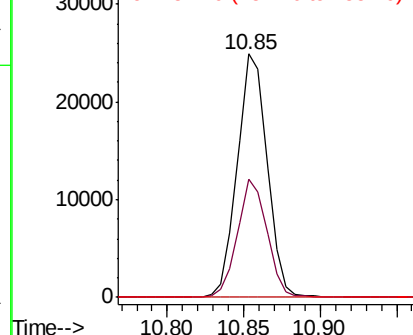
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

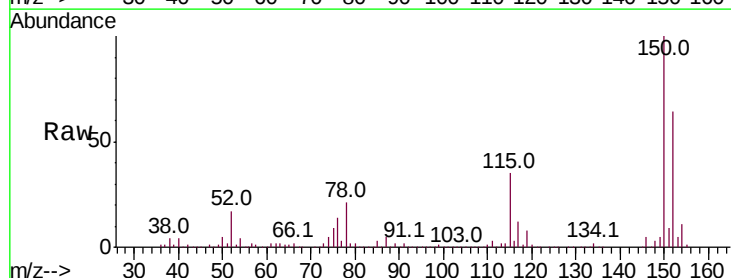
Tgt Ion:152 Resp: 157625

Ion Ratio Lower Upper

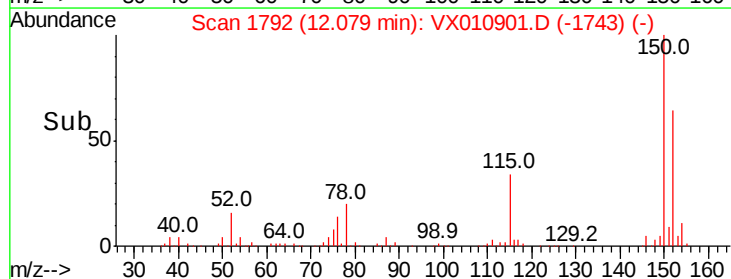
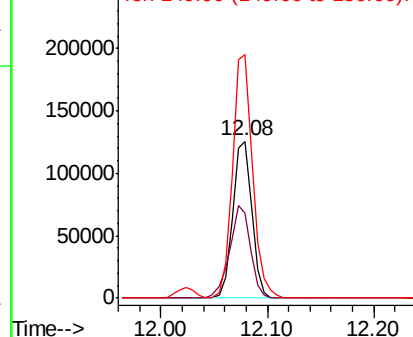
152 100

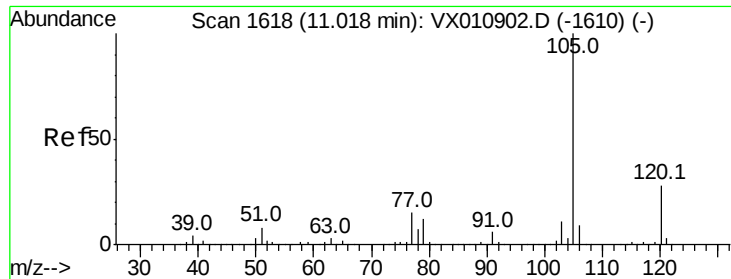
115 64.3 39.7 119.1

150 163.2 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: 19.992 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 213201

Ion Ratio Lower Upper

105 100

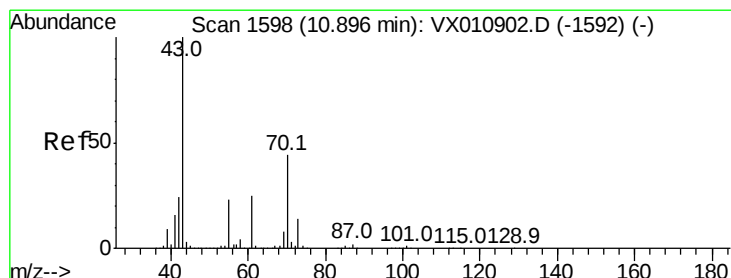
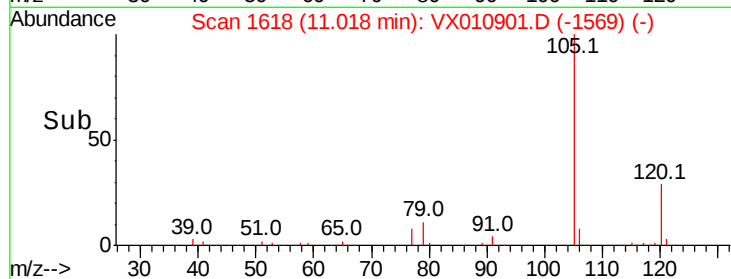
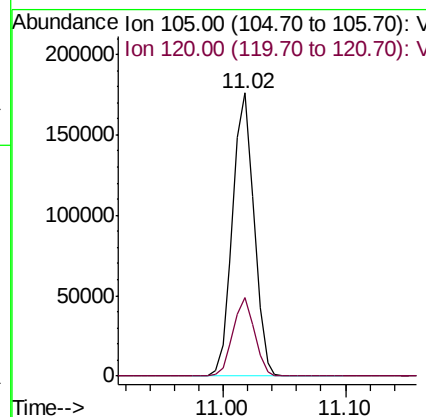
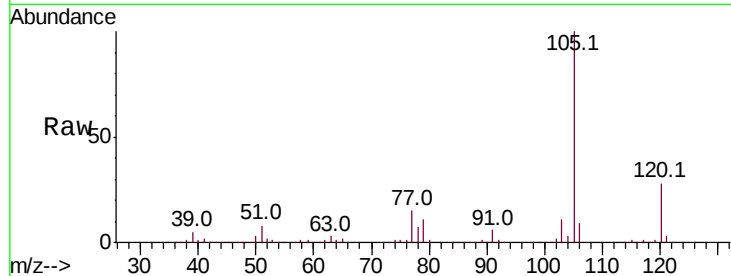
120 27.5 13.7 41.1

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#74

N-ethyl acetate

Concen: 19.949 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion: 43 Resp: 80539

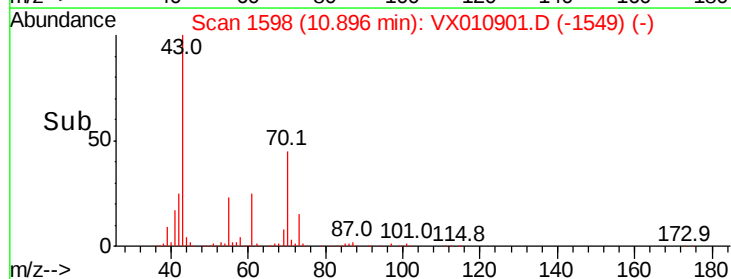
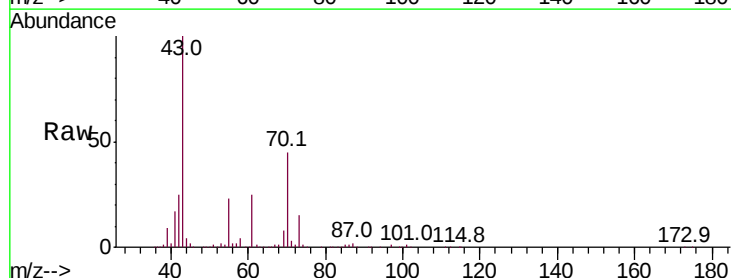
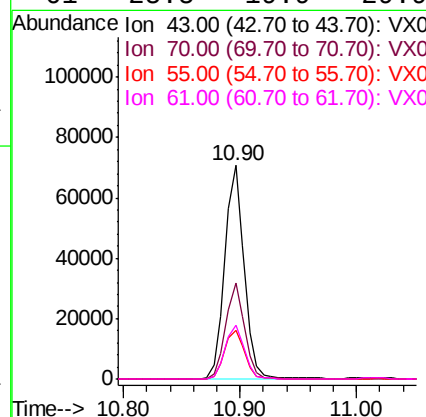
Ion Ratio Lower Upper

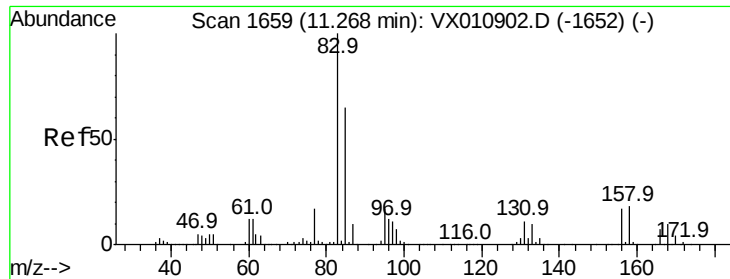
43 100

70 44.2 34.7 52.1

55 24.1 19.1 28.7

61 25.5 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.645 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

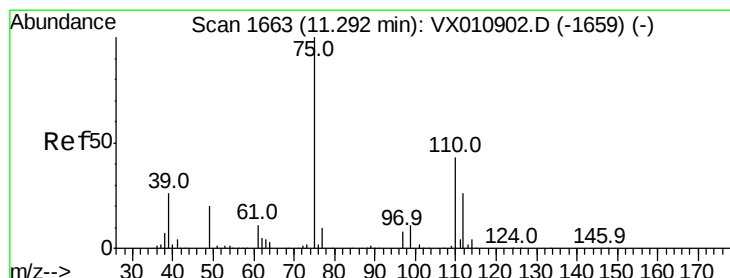
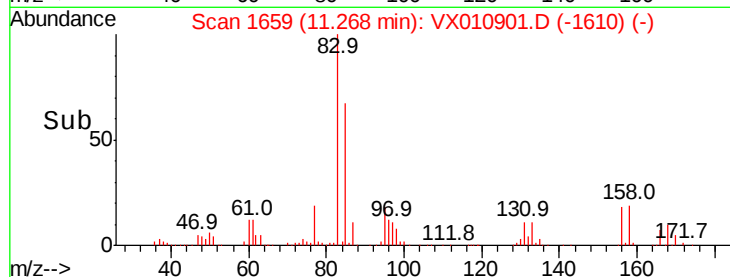
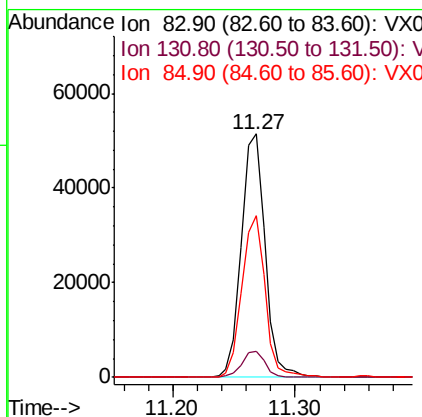
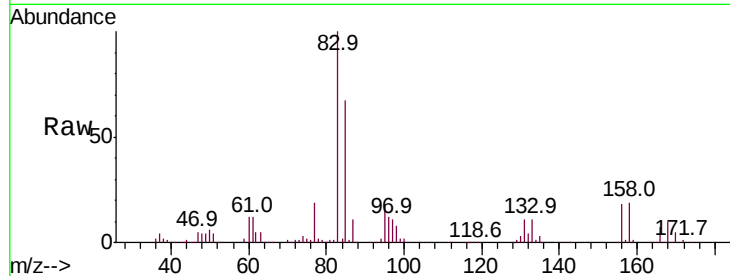
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	69305
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.5	16.4
85	64.8	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.177 ug/l m

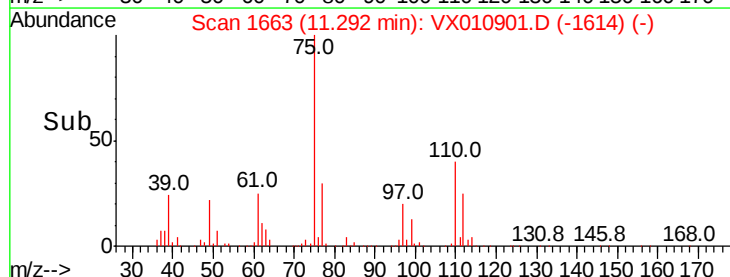
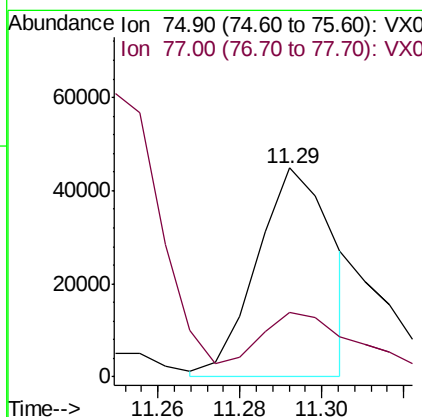
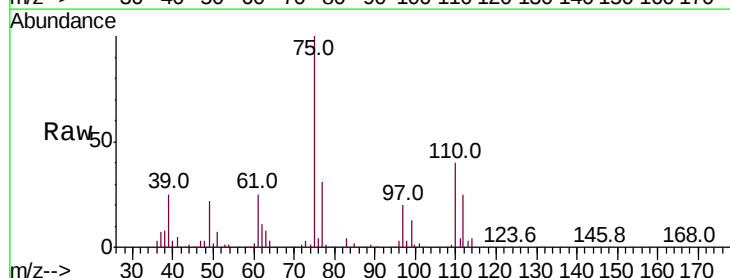
RT: 11.29 min Scan# 1663

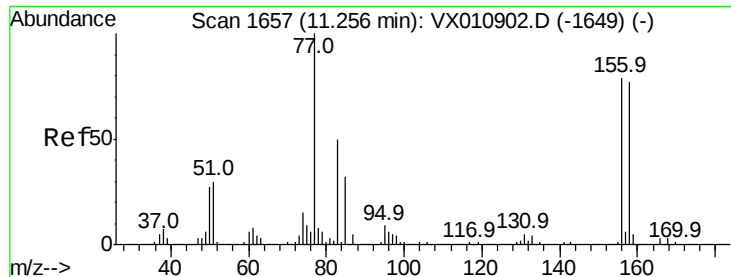
Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion:	75	Resp:	57846
Ion Ratio	Lower	Upper	
75	100		
77	41.2	21.3	64.0





#77

Bromobenzene

Concen: 19.194 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 57039

Ion Ratio Lower Upper

156 100

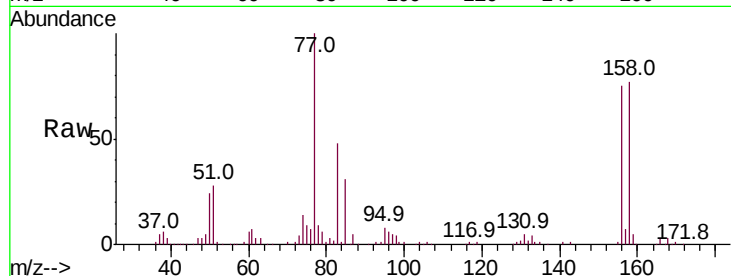
77 139.1 68.7 206.1

158 97.6 47.9 143.7

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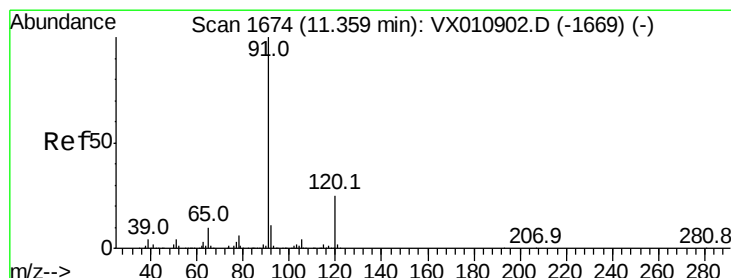
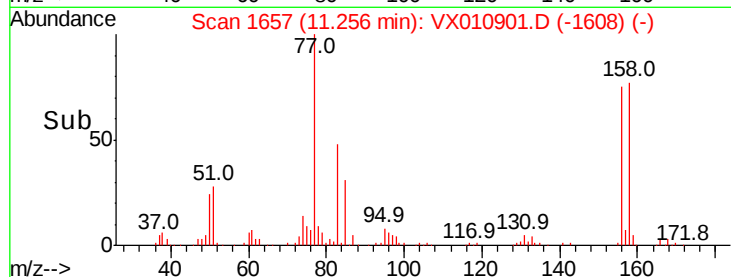
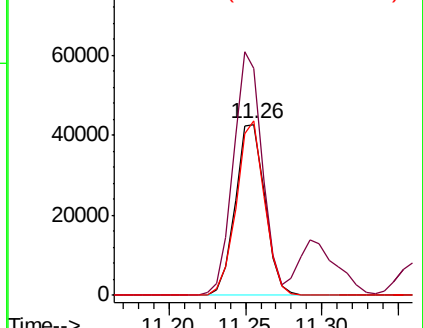
7/17/2019 10:45:02 AM



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: 20.318 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010901.D

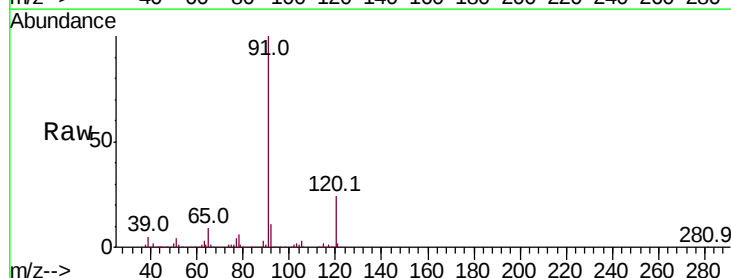
Acq: 16 Jul 2019 10:30

Tgt Ion: 91 Resp: 238344

Ion Ratio Lower Upper

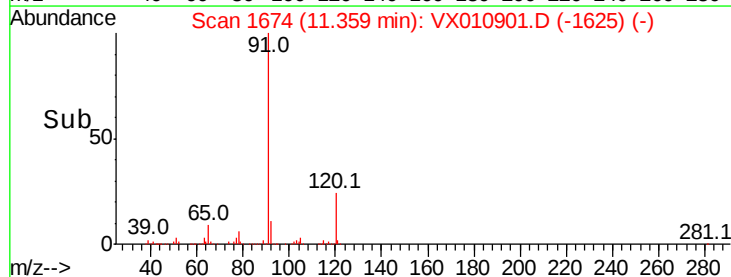
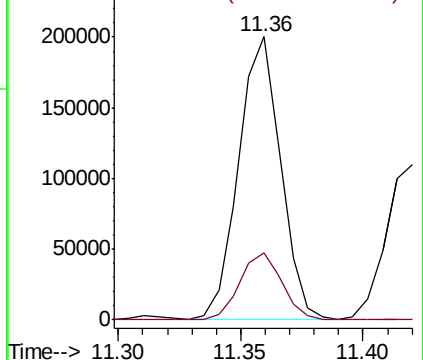
91 100

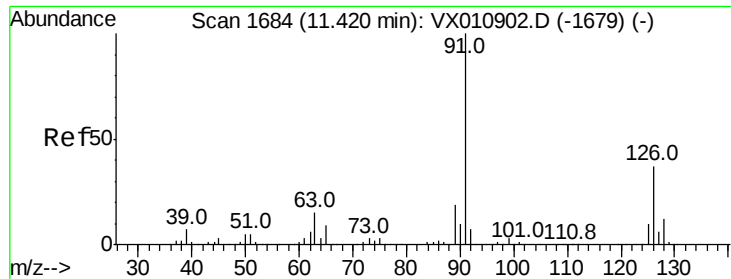
120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.871 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 139006

Ion Ratio Lower Upper

91 100

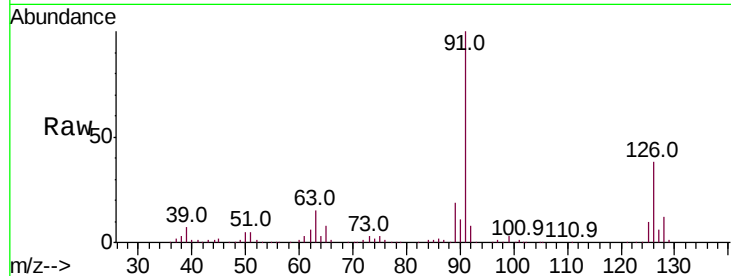
126 36.6 18.0 54.0

Manual Integrations

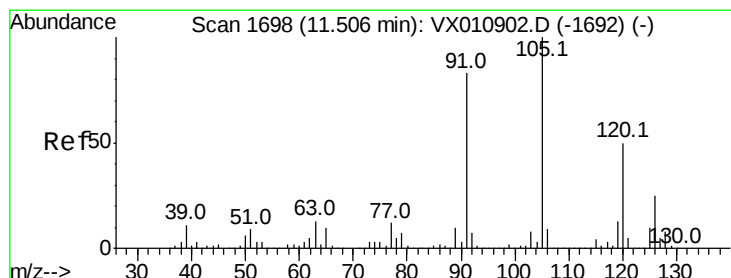
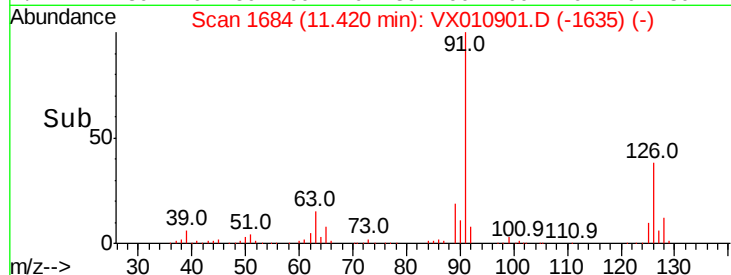
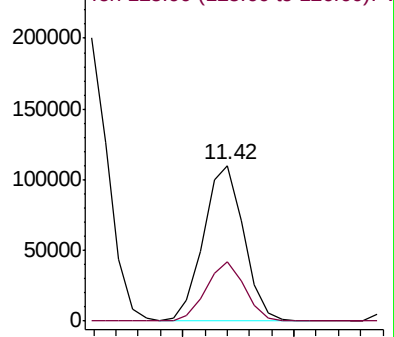
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Abundance Ion 91.00 (90.70 to 91.70): VX010901.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.290 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010901.D

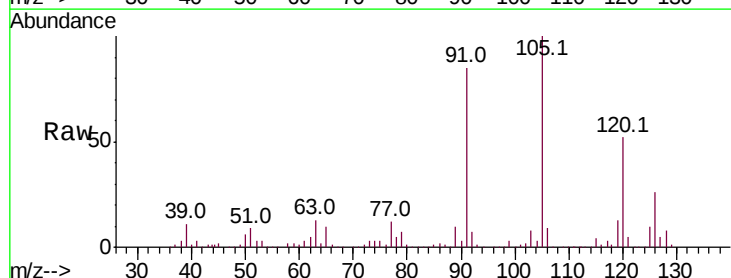
Acq: 16 Jul 2019 10:30

Tgt Ion: 105 Resp: 178892

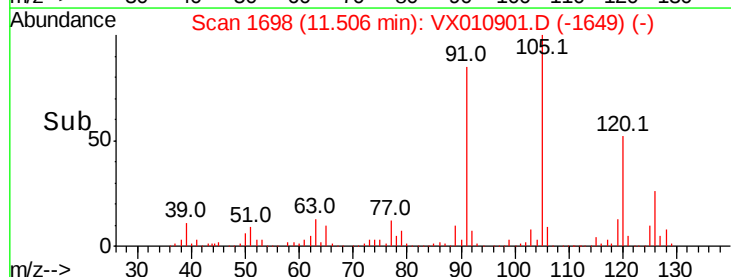
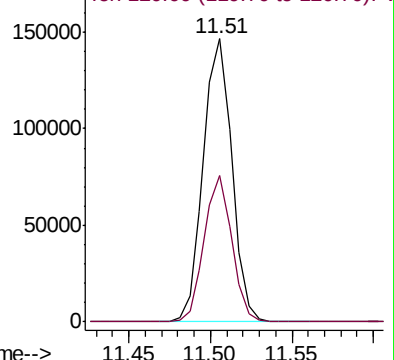
Ion Ratio Lower Upper

105 100

120 49.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010901.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 15.832 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 18853

Ion Ratio Lower Upper

75 100

53 103.4 76.7 115.1

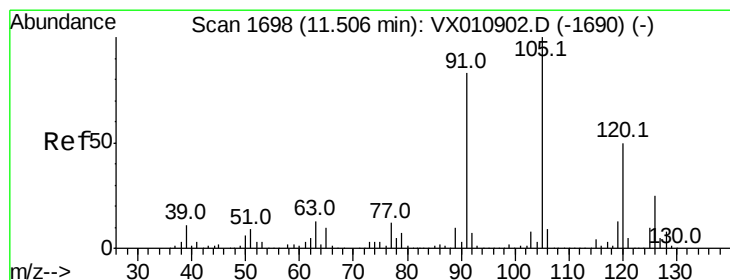
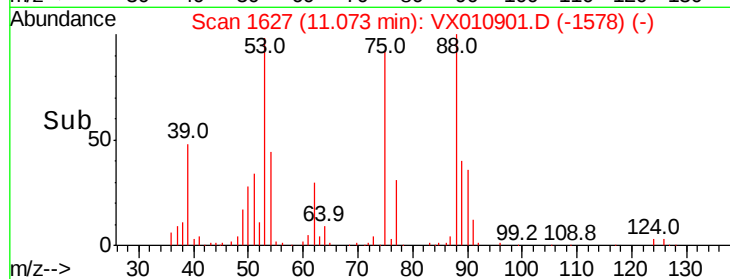
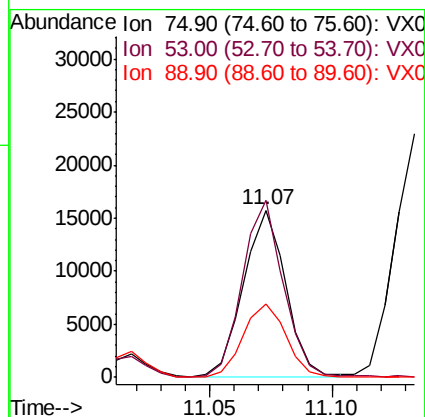
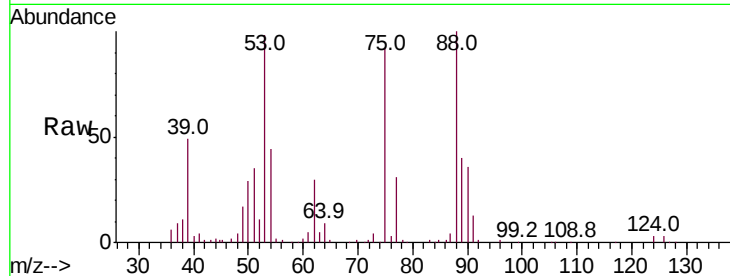
89 45.0 38.5 57.7

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.172 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010901.D

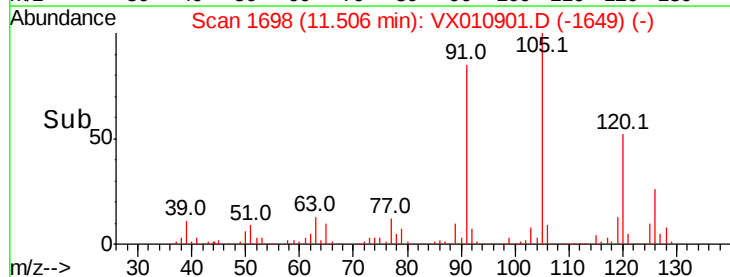
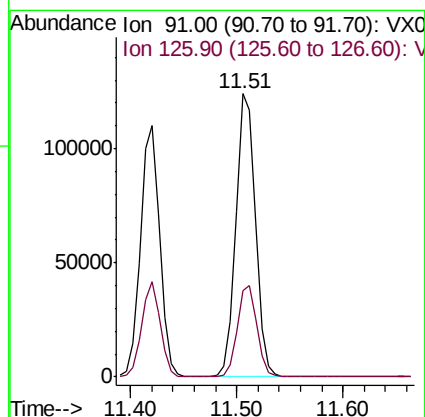
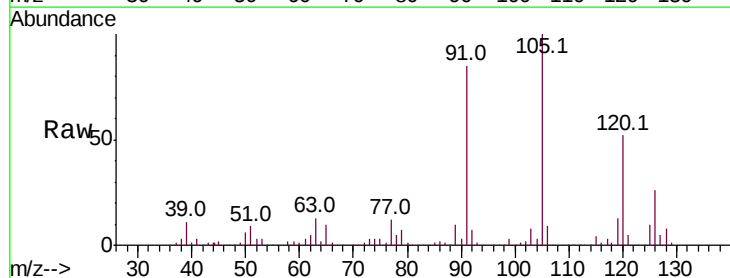
Acq: 16 Jul 2019 10:30

Tgt Ion: 91 Resp: 160759

Ion Ratio Lower Upper

91 100

126 32.0 15.9 47.7





#83

tert-Butylbenzene

Concen: 19.838 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:119 Resp: 175072
Ion Ratio Lower Upper

119 100

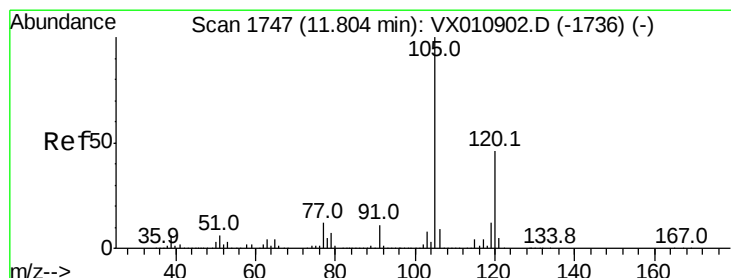
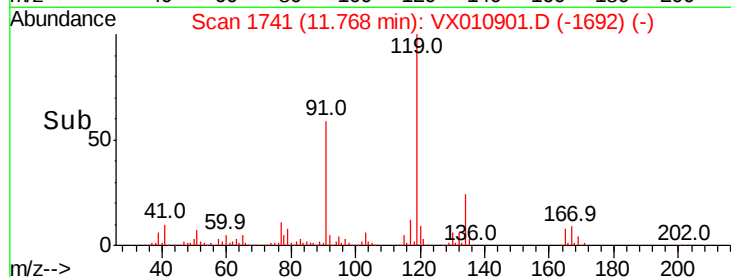
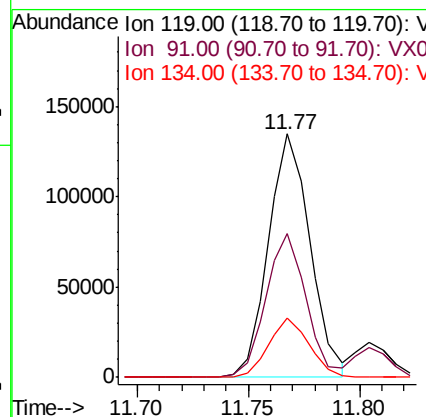
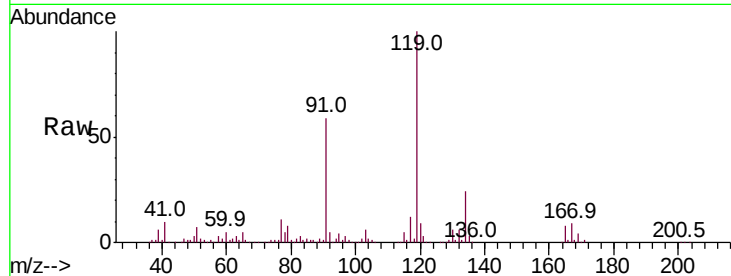
91 57.0 28.6 85.8

134 23.4 11.6 34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.534 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

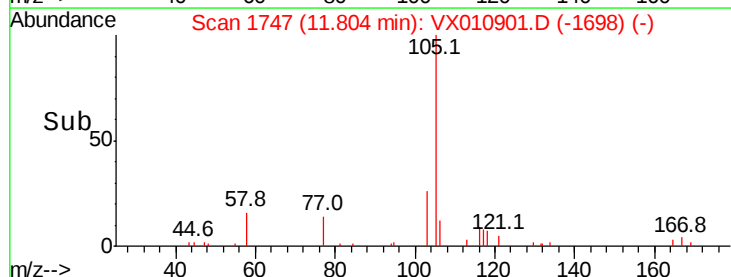
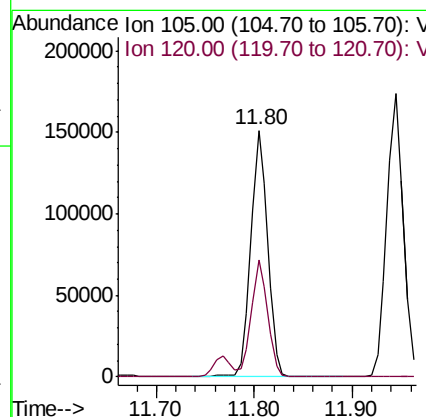
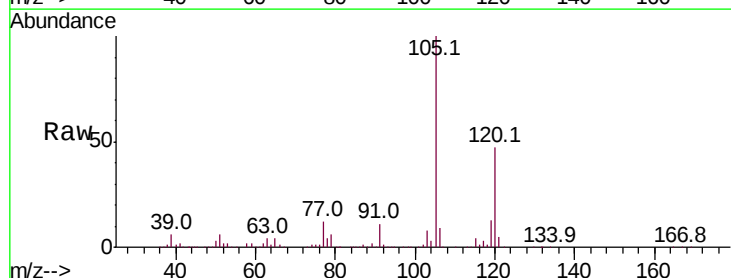
Lab File: VX010901.D

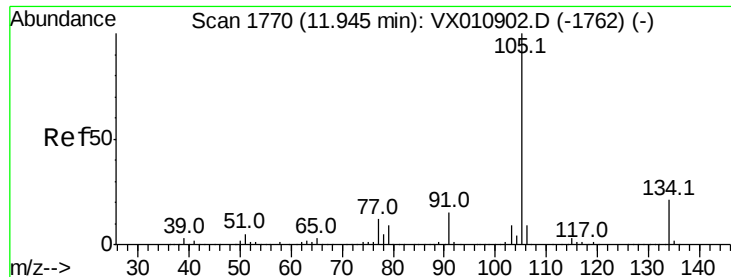
Acq: 16 Jul 2019 10:30

Tgt Ion:105 Resp: 181584
Ion Ratio Lower Upper

105 100

120 46.0 22.9 68.5





#85

sec-Butylbenzene

Concen: 19.833 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 205523

Ion Ratio Lower Upper

105 100

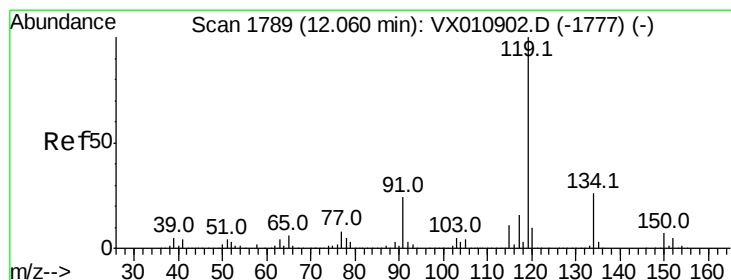
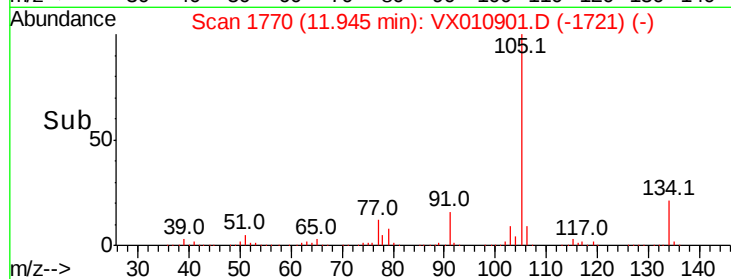
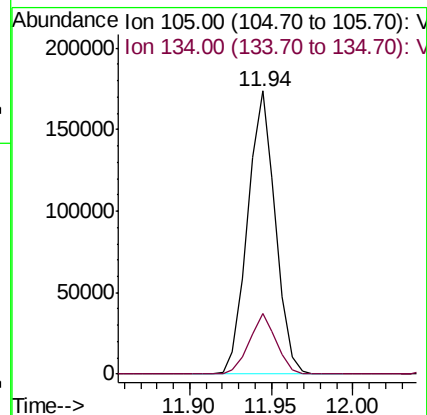
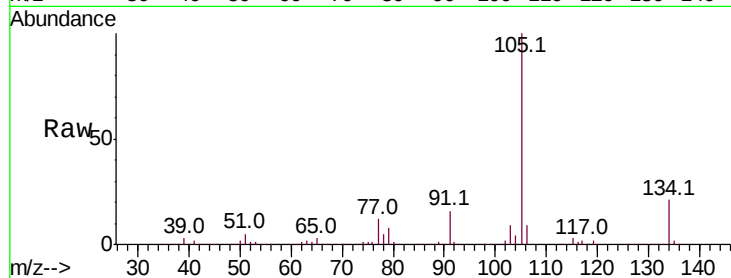
134 20.8 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.901 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

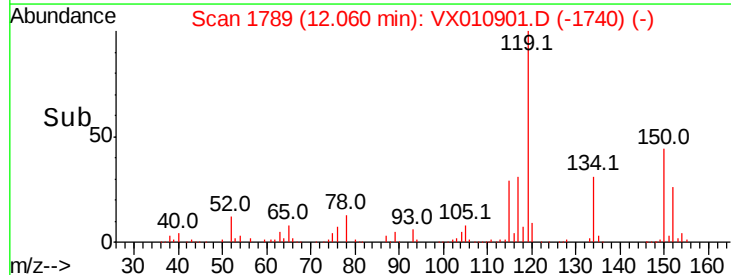
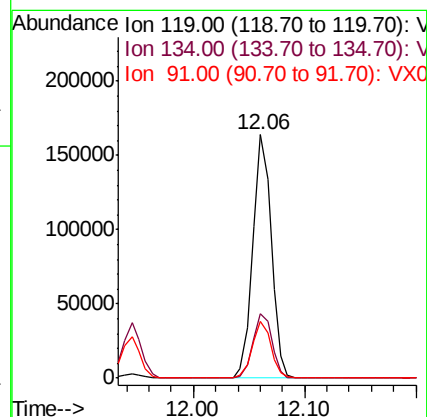
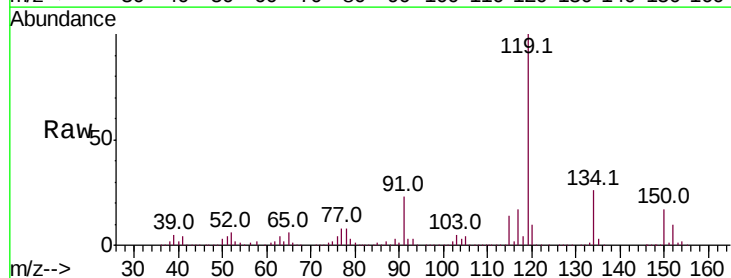
Tgt Ion:119 Resp: 190786

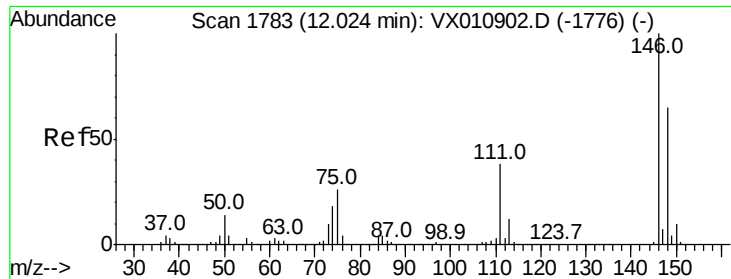
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 23.5 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 19.410 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Instrument :

MSVOA_X

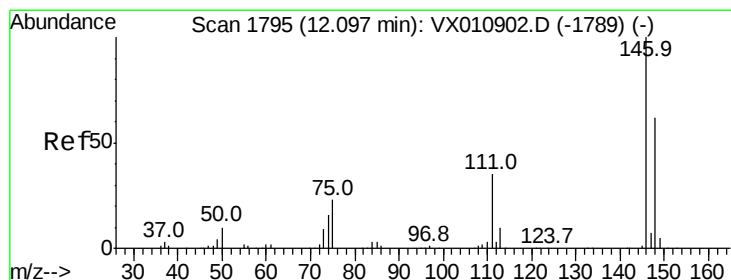
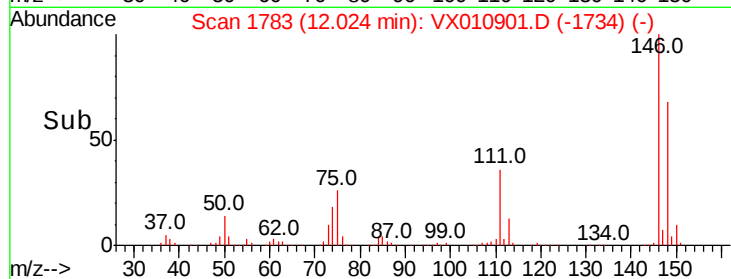
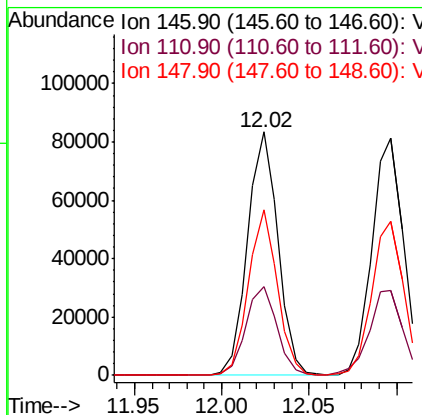
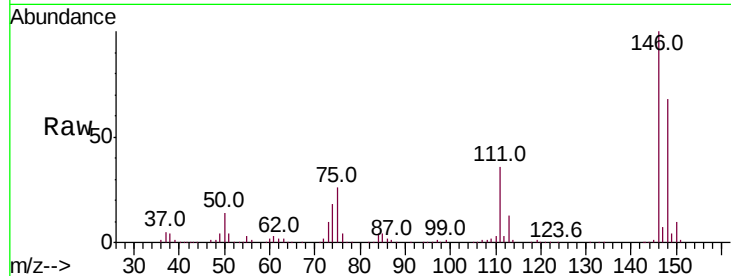
ClientSampled :

VSTDIC020

Tot Ion:	146	Resp:	100855
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.9	56.9
148	64.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.203 ug/l

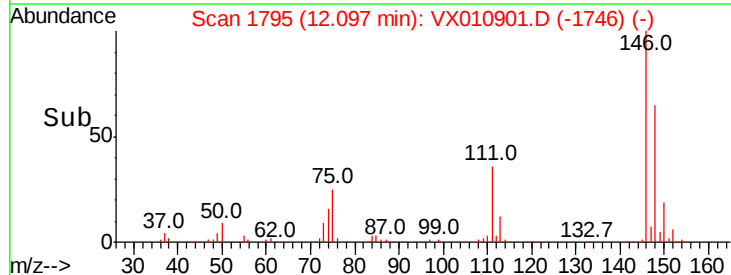
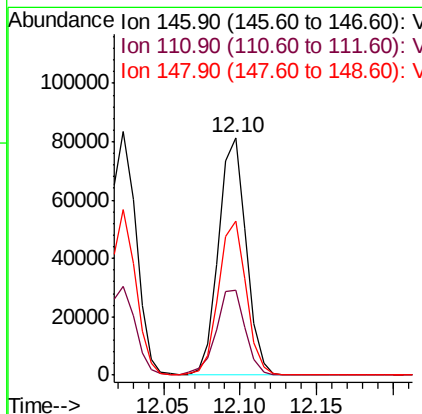
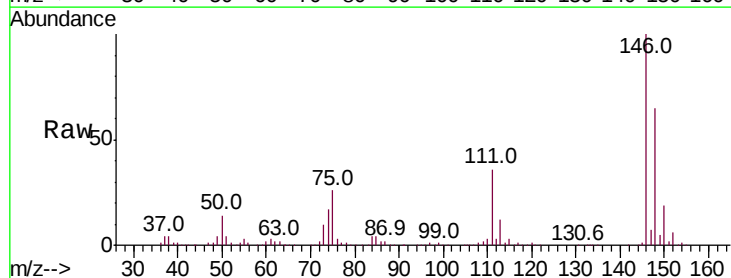
RT: 12.10 min Scan# 1795

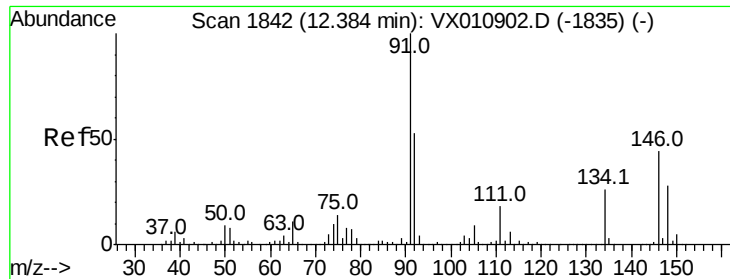
Delta R.T. -0.00 min

Lab File: VX010901.D

Acq: 16 Jul 2019 10:30

Tgt Ion:	146	Resp:	101711
Ion Ratio	Lower	Upper	
146	100		
111	38.0	18.6	55.8
148	65.2	31.6	94.7





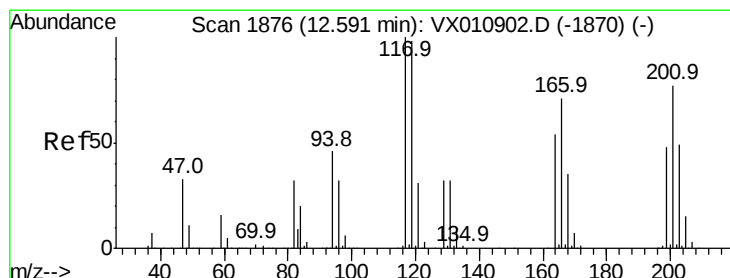
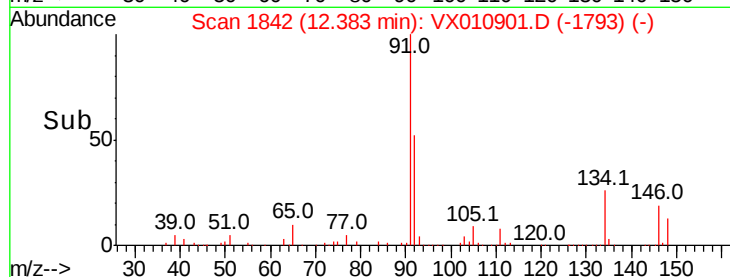
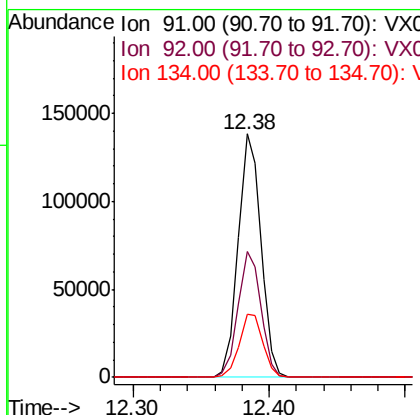
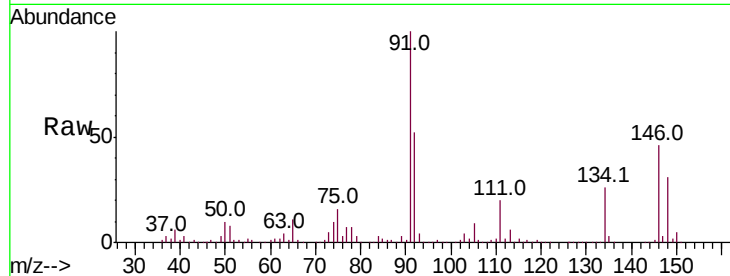
#89
n-Butylbenzene
Concen: 19.756 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.5
134	26.9	13.8	41.3

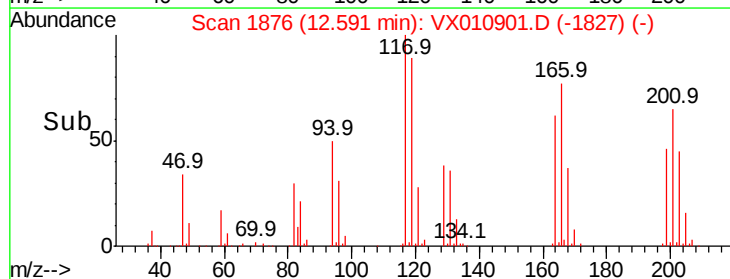
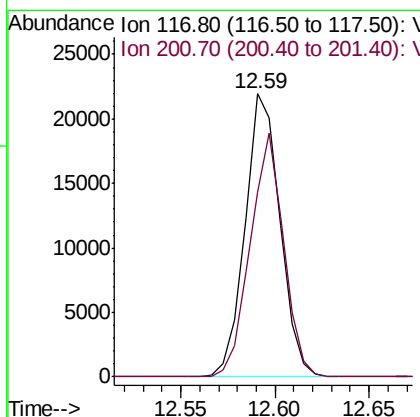
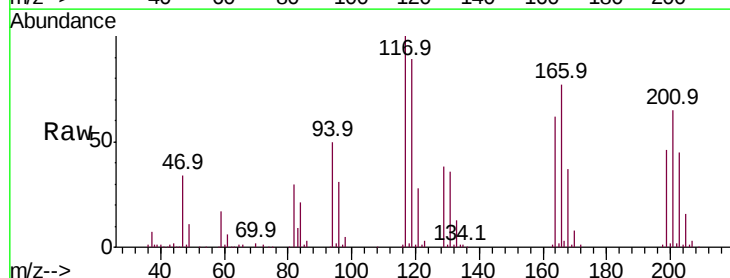
Manual Integrations
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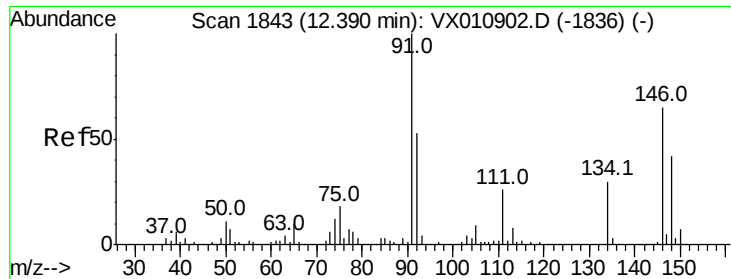
MMDadoda
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#90
Hexachloroethane
Concen: 17.322 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	43.3	129.8





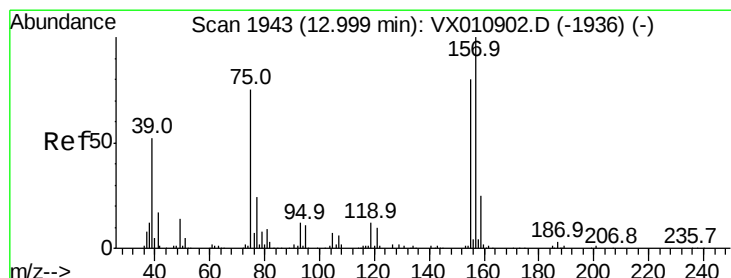
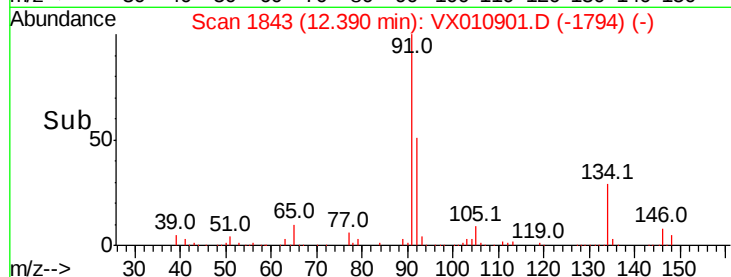
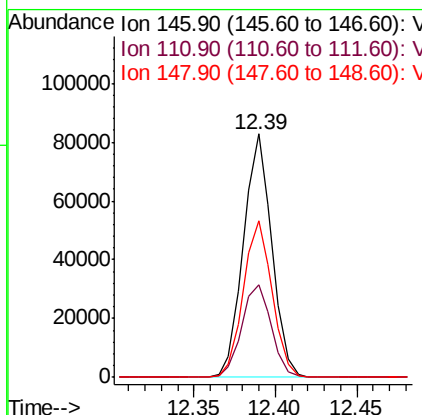
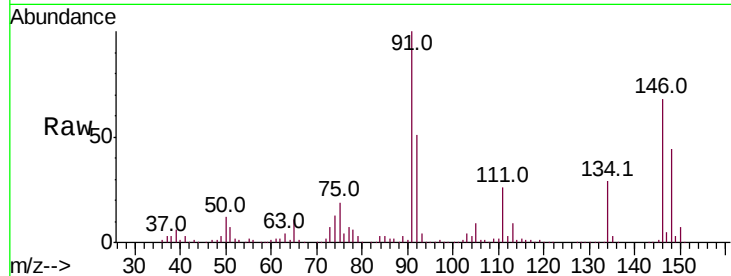
#91
 1,2-Dichlorobenzene
 Concen: 19.463 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	100572		
111	39.6	19.9	59.7	
148	65.3	32.0	96.2	

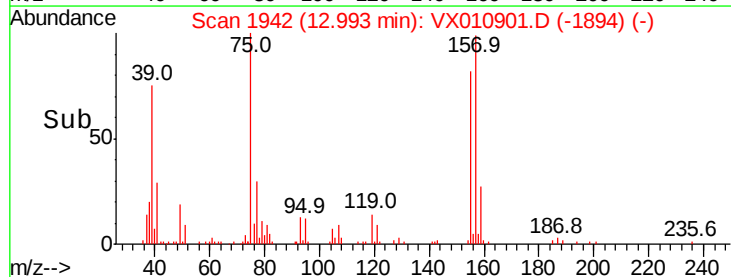
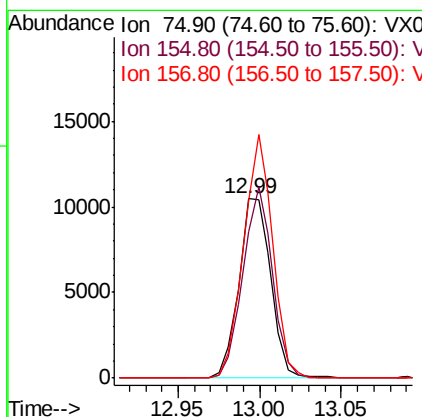
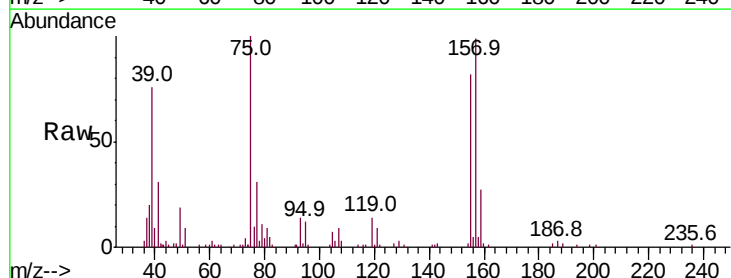
Manual Integrations
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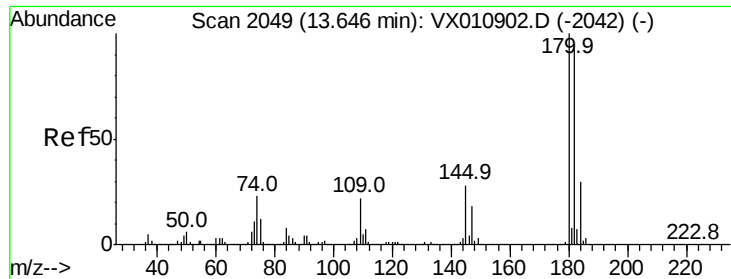
MMDadoda
 7/17/2019 10:45:02 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.725 ug/l
 RT: 12.99 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14306		
155	98.2	48.7	146.1	
157	123.3	62.5	187.6	





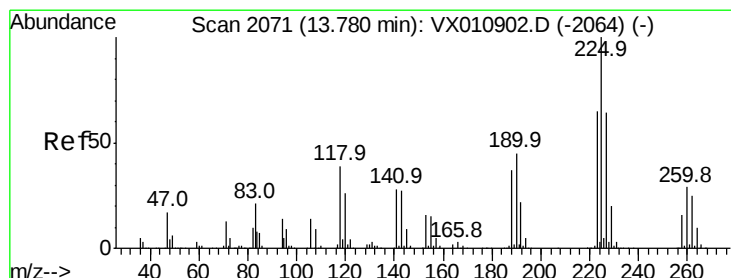
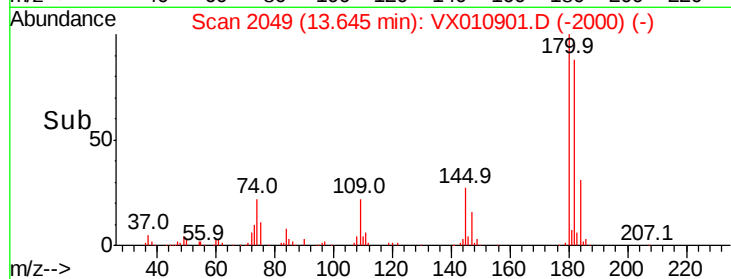
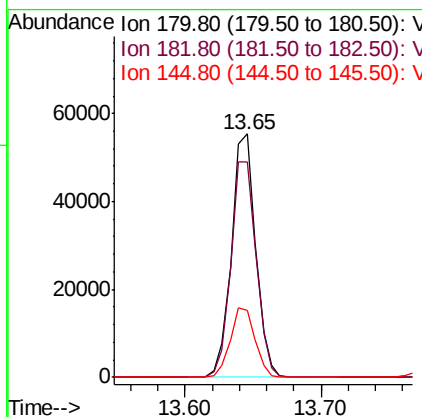
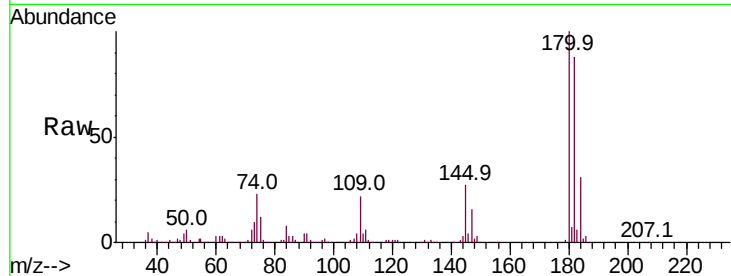
#93
 1,2,4-Trichlorobenzene
 Concen: 19.167 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68442		
182	92.6	47.1	141.3	
145	29.3	14.8	44.4	

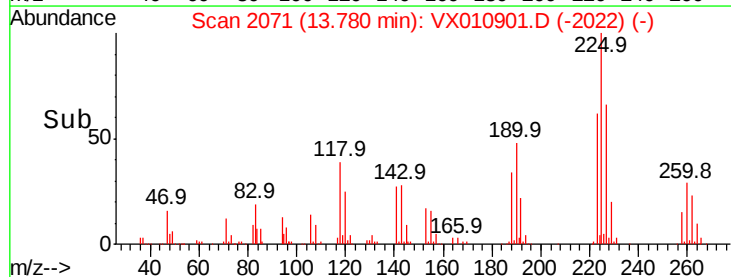
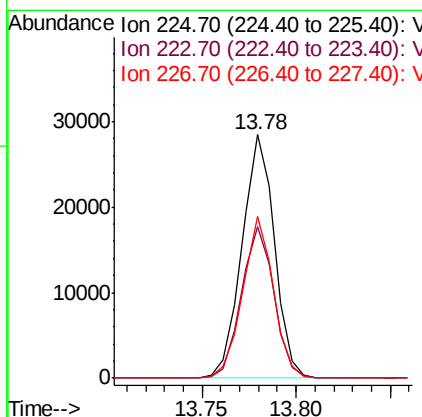
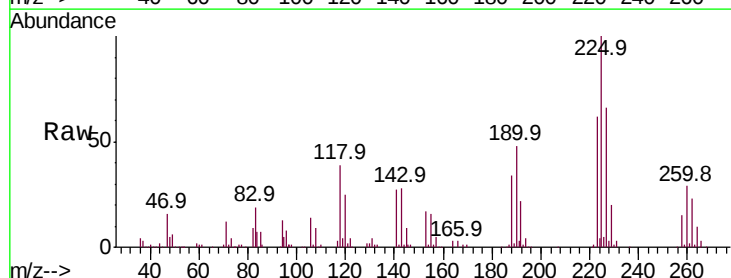
Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:02 AM



#94
 Hexachlorobutadiene
 Concen: 19.465 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX010901.D
 Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	33909		
223	62.5	31.9	95.9	
227	63.1	32.5	97.4	





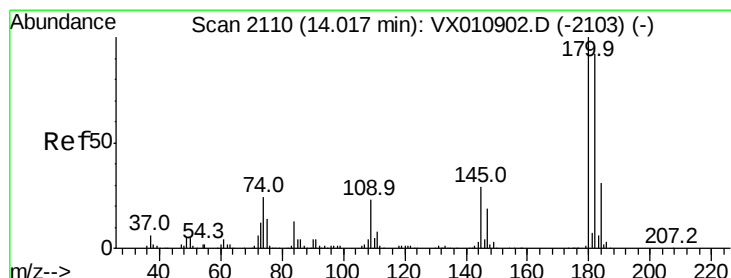
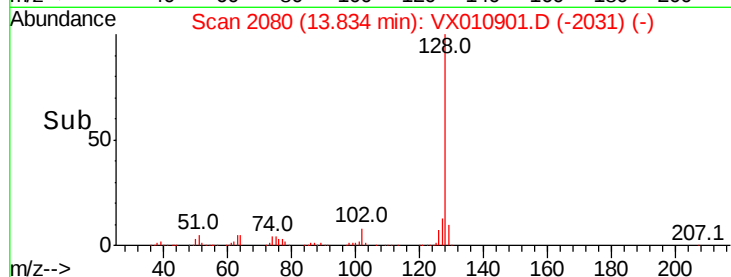
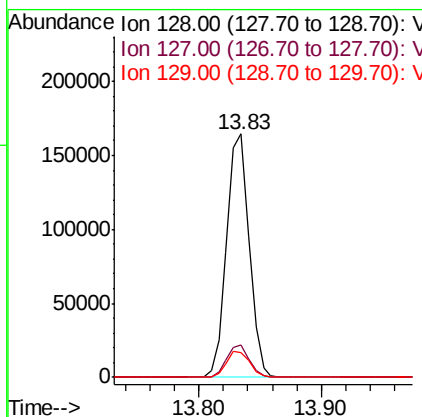
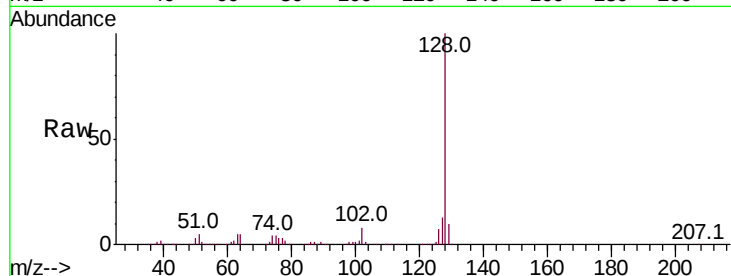
#95
Naphthalene
Concen: 19.264 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:02 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.147 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010901.D
Acq: 16 Jul 2019 10:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.4	142.3
145	30.8	15.1	45.3

