

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071619\
 Data File : VX010911.D
 Acq On : 16 Jul 2019 17:05
 Operator : JC/SP
 Sample : VX0716WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/17/2019 10:45:48 AM

Quant Time: Jul 17 05:13:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 04:37:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	217455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	328886	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	297996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151301	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113642	49.12	ug/l	0.00
Spiked Amount						
			Recovery	=	98.24%	
35) Dibromofluoromethane	5.50	113	102428	49.07	ug/l	0.00
Spiked Amount						
			Recovery	=	98.14%	
50) Toluene-d8	8.71	98	393004	50.20	ug/l	0.00
Spiked Amount						
			Recovery	=	100.40%	
62) 4-Bromofluorobenzene	11.13	95	140836	48.94	ug/l	0.00
Spiked Amount						
			Recovery	=	97.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	46877	20.542	ug/l	99
3) Chloromethane	1.33	50	41893	20.950	ug/l	99
4) Vinyl Chloride	1.41	62	42194	20.686	ug/l	100
5) Bromomethane	1.64	94	26714	23.241	ug/l	100
6) Chloroethane	1.73	64	27622	21.310	ug/l	97
7) Trichlorofluoromethane	1.93	101	69205	20.044	ug/l	99
8) Diethyl Ether	2.19	74	23461	19.722	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	39840	20.209	ug/l	96
10) Methyl Iodide	2.51	142	44268	17.111	ug/l	99
11) Tert butyl alcohol	3.04	59	50542	93.811	ug/l	98
12) 1,1-Dichloroethene	2.37	96	39494	20.390	ug/l	98
13) Acrolein	2.29	56	27284	87.651	ug/l	97
14) Allyl chloride	2.73	41	55085	19.579	ug/l	100
15) Acrylonitrile	3.14	53	107261	98.524	ug/l	99
16) Acetone	2.44	43	92537	88.566	ug/l	100
17) Carbon Disulfide	2.57	76	96324	19.387	ug/l	98
18) Methyl Acetate	2.78	43	44566	18.732	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	123653	19.831	ug/l	99
20) Methylene Chloride	2.86	84	43879	19.817	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	40905	19.903	ug/l	97
22) Diisopropyl ether	3.85	45	119701	20.173	ug/l	97
23) Vinyl Acetate	3.81	43	501386	99.726	ug/l	98
24) 1,1-Dichloroethane	3.70	63	68014	19.737	ug/l	99
25) 2-Butanone	4.67	43	144841	96.570	ug/l	98
26) 2,2-Dichloropropane	4.59	77	51059	18.045	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	47136	19.817	ug/l	96
28) Bromochloromethane	5.01	49	28397	17.487	ug/l	99
29) Tetrahydrofuran	5.13	42	93744	98.671	ug/l	99
30) Chloroform	5.21	83	71890	19.300	ug/l	99
31) Cyclohexane	5.58	56	61139	19.465	ug/l	97
32) 1,1,1-Trichloroethane	5.50	97	62310	19.336	ug/l	99
36) 1,1-Dichloropropene	5.80	75	53502	19.805	ug/l	98
37) Ethyl Acetate	4.84	43	55140	19.933	ug/l	97
38) Carbon Tetrachloride	5.78	117	53340	18.948	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	67128	19.161	ug/l	99
40) Benzene	6.14	78	162735	19.665	ug/l	100
41) Methacrylonitrile	5.04	41	30784	19.603	ug/l	96
42) 1,2-Dichloroethane	6.20	62	56195	19.531	ug/l	100
43) Isopropyl Acetate	6.45	43	86157	18.942	ug/l	100
44) Trichloroethene	7.21	130	46908	19.150	ug/l	97
45) 1,2-Dichloropropane	7.51	63	41140	19.533	ug/l	97
46) Dibromomethane	7.66	93	29106	19.339	ug/l	97
47) Bromodichloromethane	7.90	83	52034	19.422	ug/l	97
48) Methyl methacrylate	7.77	41	42113	19.005	ug/l	100
49) 1,4-Dioxane	7.74	88	24381	393.356	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	290188	98.417	ug/l	100
52) Toluene	8.78	92	105544	19.415	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	52949	18.381	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	61174	19.084	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	44270	19.778	ug/l	97
56) Ethyl methacrylate	9.18	69	63651	19.440	ug/l	99
57) 1,3-Dichloropropane	9.37	76	68852	19.390	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	155521	99.504	ug/l	100
59) 2-Hexanone	9.49	43	226121	98.875	ug/l	100
60) Dibromochloromethane	9.58	129	42673	18.255	ug/l	100
61) 1,2-Dibromoethane	9.67	107	47072	19.816	ug/l	100
64) Tetrachloroethene	9.34	164	46596	19.876	ug/l	97
65) Chlorobenzene	10.13	112	118599	19.377	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	41112	19.112	ug/l	99
67) Ethyl Benzene	10.25	91	202130	19.402	ug/l	97
68) m/p-Xylenes	10.36	106	155814	38.990	ug/l	98
69) o-Xylene	10.69	106	76596	19.639	ug/l	99
70) Styrene	10.71	104	127040	19.540	ug/l	99
71) Bromoform	10.85	173	30691	17.420	ug/l #	100
73) Isopropylbenzene	11.02	105	204727	20.025	ug/l	100
74) N-amyl acetate	10.90	43	76323	19.539	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	67329	20.124	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	55959m	20.496	ug/l	
77) Bromobenzene	11.26	156	53979	19.142	ug/l	99
78) n-propylbenzene	11.36	91	222471	19.695	ug/l	100
79) 2-Chlorotoluene	11.42	91	133624	19.692	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	169098	19.795	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	17069	18.558	ug/l	92
82) 4-Chlorotoluene	11.51	91	153578	19.445	ug/l	99
83) tert-Butylbenzene	11.77	119	167053	19.909	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	171014	19.862	ug/l	100
85) sec-Butylbenzene	11.94	105	196101	19.945	ug/l	99
86) p-Isopropyltoluene	12.06	119	178415	19.628	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	95642	19.543	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	97131	19.352	ug/l	98
89) n-Butylbenzene	12.38	91	150575	19.363	ug/l	99
90) Hexachloroethane	12.60	117	26190	18.268	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	97980	20.202	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	13399	19.159	ug/l	99

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Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

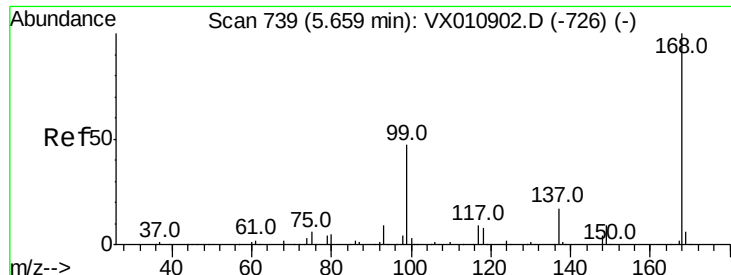
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	63737	19.391	ug/l	99
94) Hexachlorobutadiene	13.78	225	31049	19.062	ug/l	98
95) Naphthalene	13.83	128	197189	20.316	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	65280	19.960	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:168 Resp: 217455

Ion Ratio Lower Upper

168 100

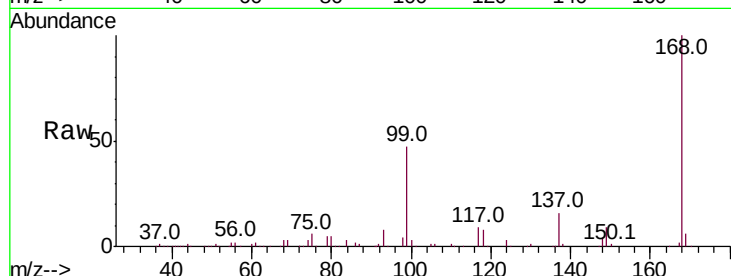
99 47.3 37.6 56.4

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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

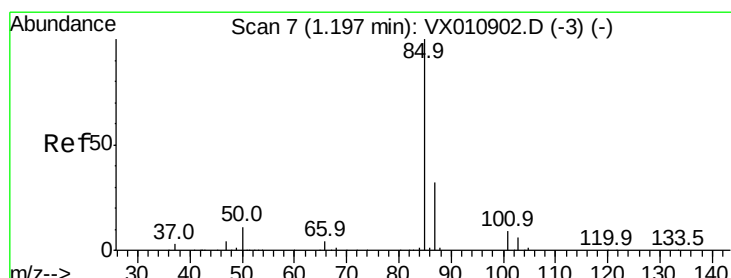
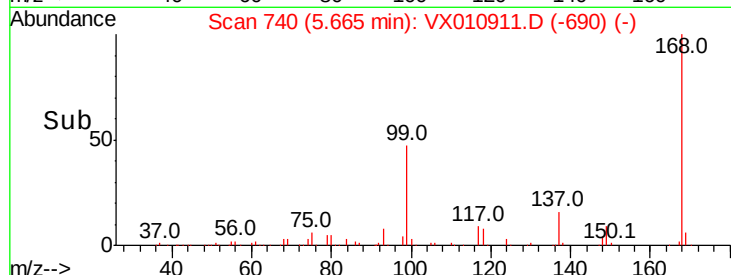
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.542 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010911.D

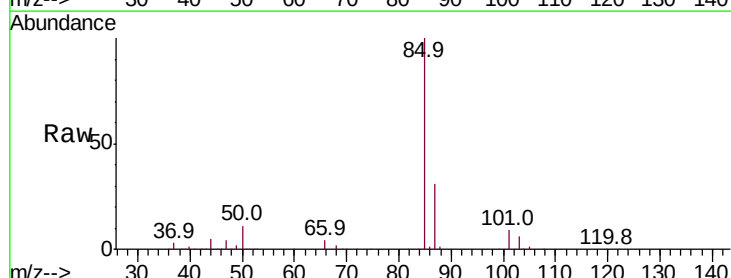
Acq: 16 Jul 2019 17:05

Tgt Ion: 85 Resp: 46877

Ion Ratio Lower Upper

85 100

87 31.2 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

20000

10000

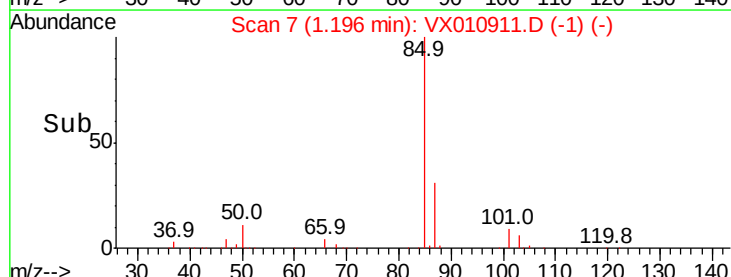
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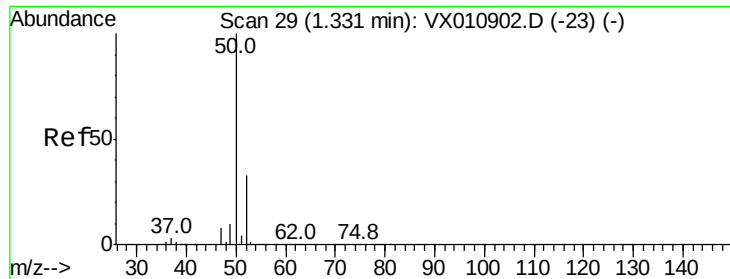
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 20.950 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 50 Resp: 41893

Ion Ratio Lower Upper

50 100

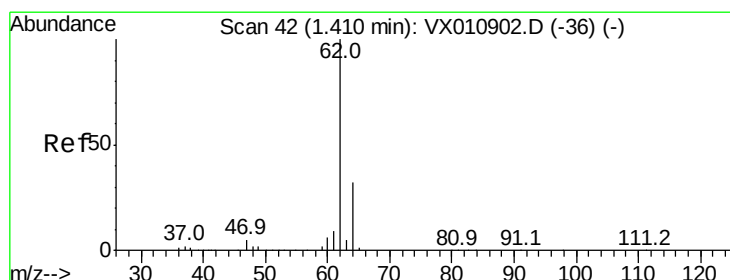
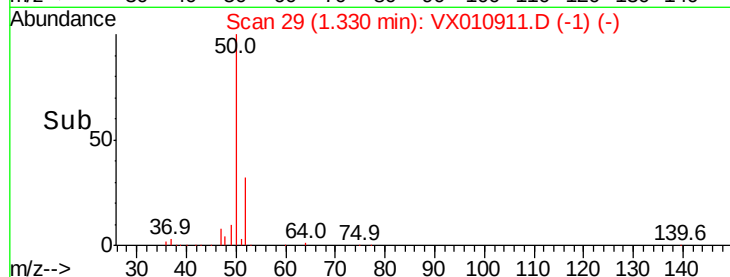
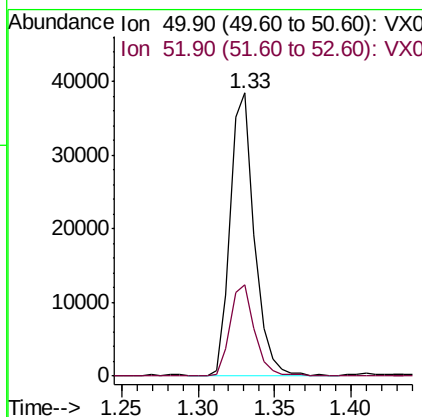
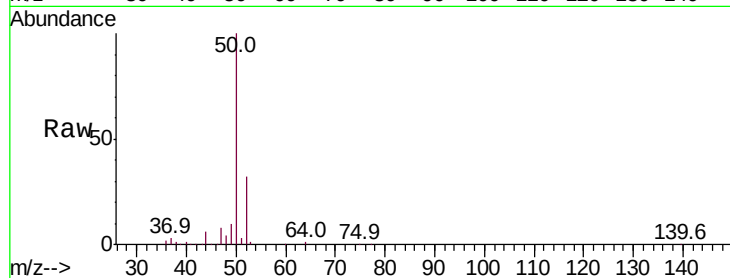
52 32.3 26.4 39.6

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#4

Vinyl Chloride

Concen: 20.686 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX010911.D

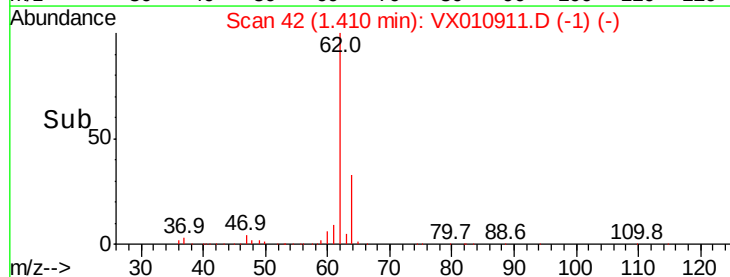
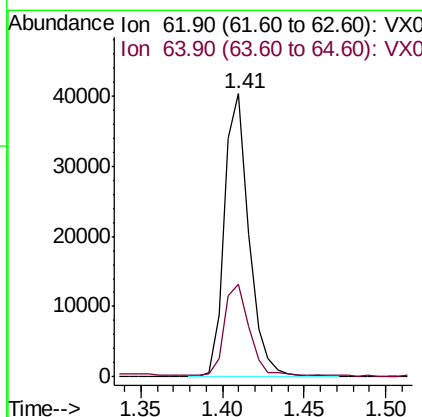
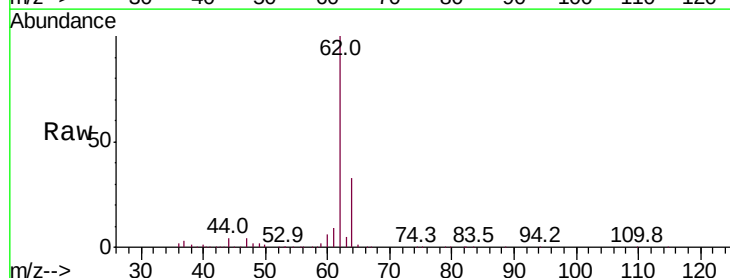
Acq: 16 Jul 2019 17:05

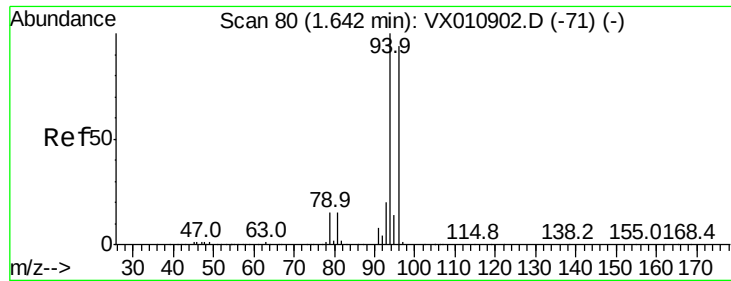
Tgt Ion: 62 Resp: 42194

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5





#5

Bromomethane

Concen: 23.241 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampled :

VX0716WBS01

Tot Ion: 94 Resp: 26714

Ion Ratio Lower Upper

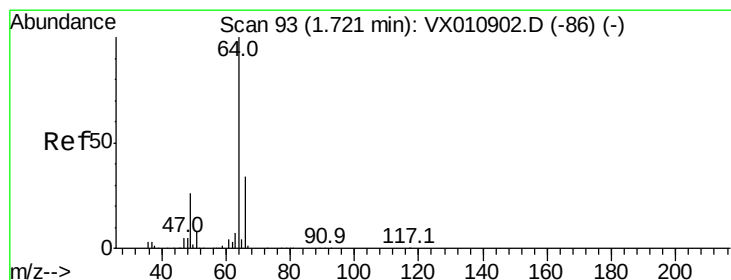
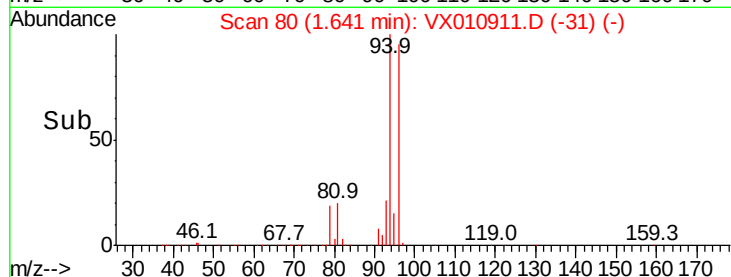
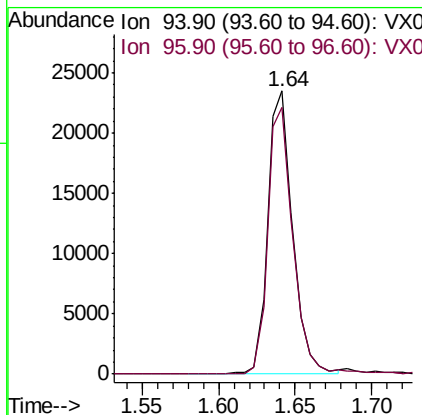
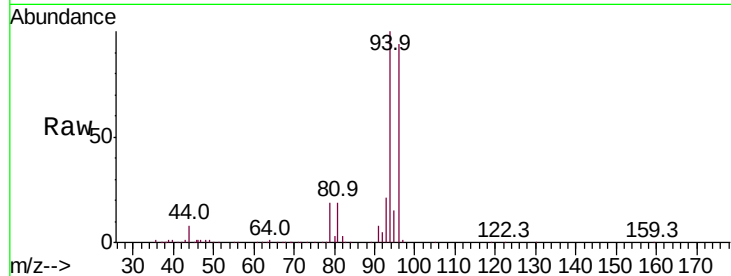
94 100

96 94.4 75.6 113.4

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#6

Chloroethane

Concen: 21.310 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX010911.D

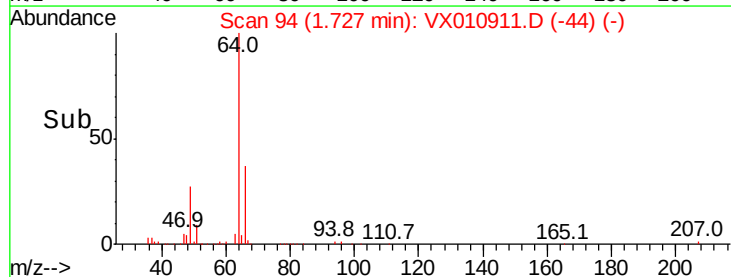
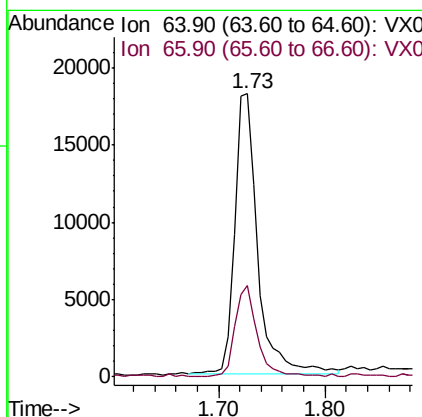
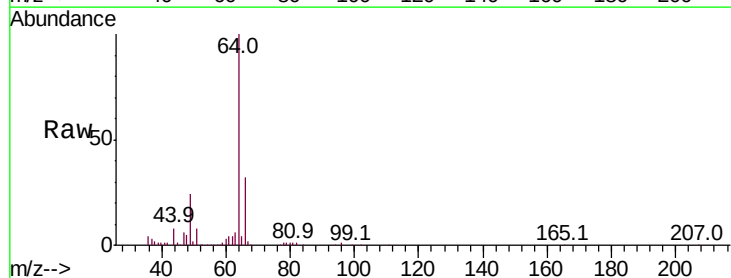
Acq: 16 Jul 2019 17:05

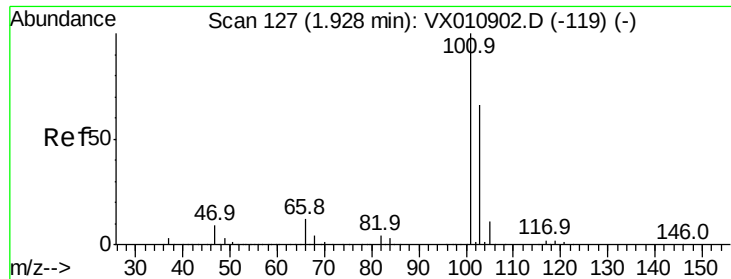
Tgt Ion: 64 Resp: 27622

Ion Ratio Lower Upper

64 100

66 32.3 27.0 40.6





#7

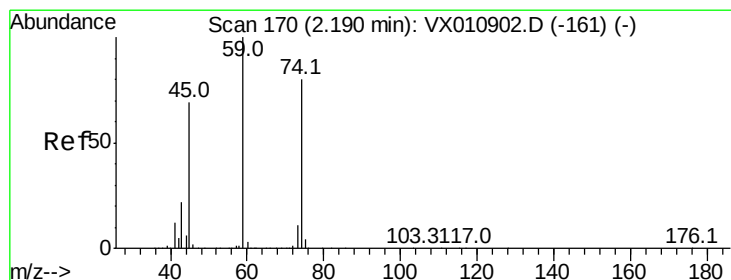
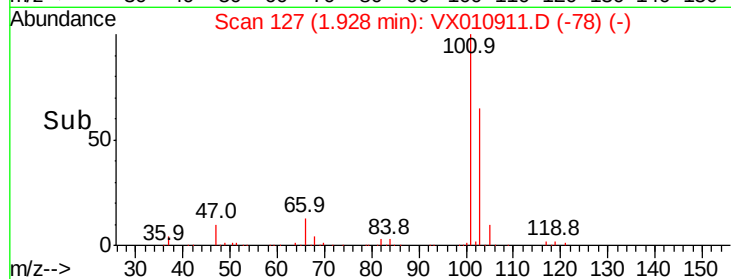
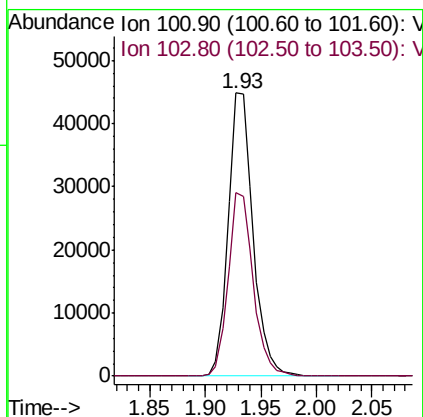
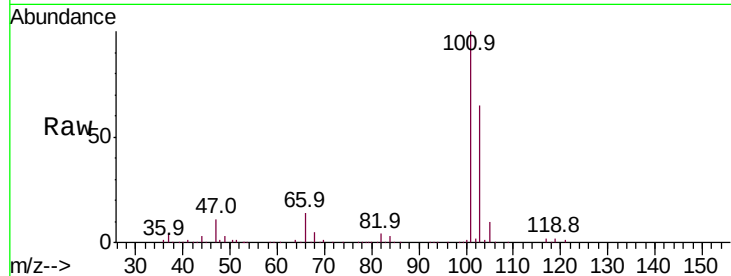
Trichlorofluoromethane
Concen: 20.044 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

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MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.6	78.8

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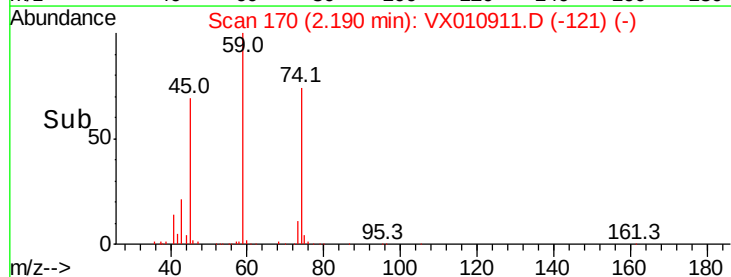
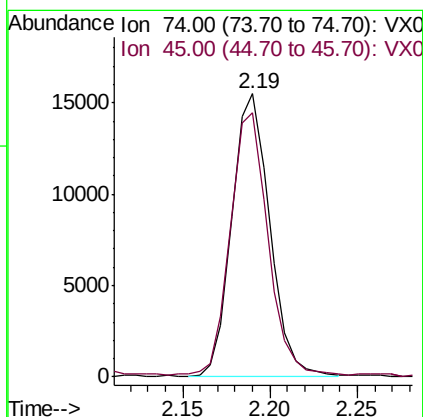
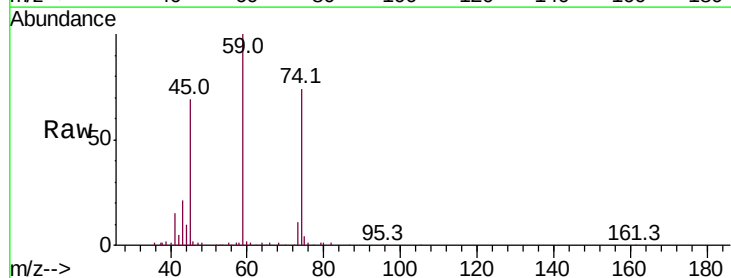
MMDadoda
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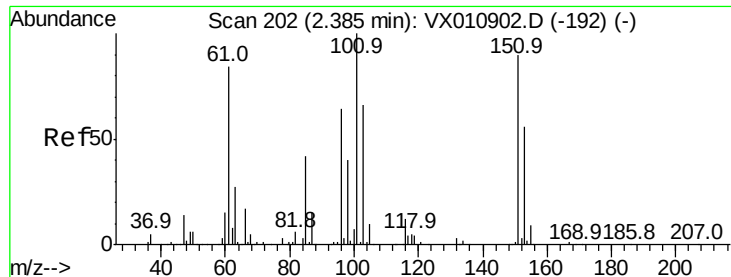


#8

Diethyl Ether
Concen: 19.722 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.209 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

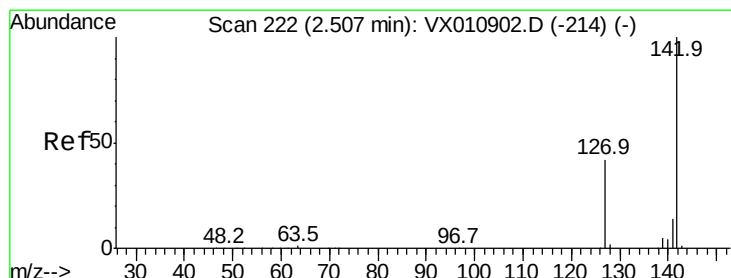
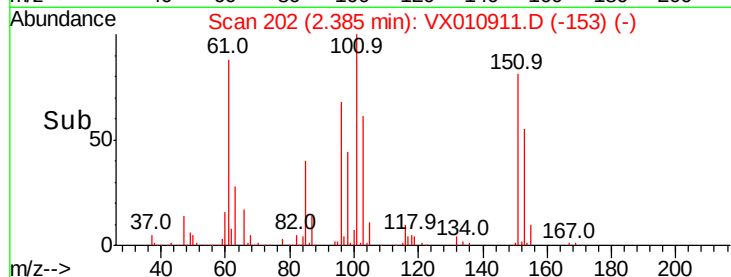
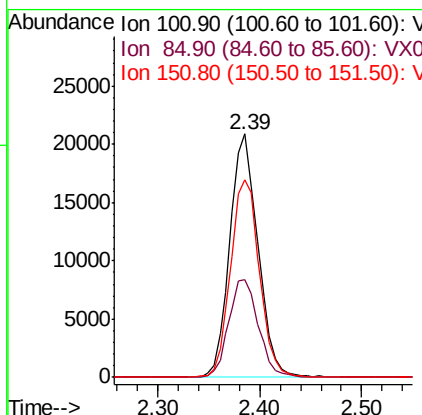
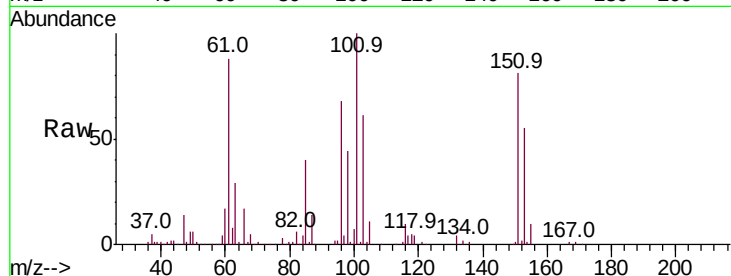
ClientSampled :

VX0716WBS01

Tot Ion:	101	Resp:	39840
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.6	52.0
151	82.9	69.6	104.4

Manual Integrations
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7/17/2019 10:45:48 AM



#10

Methyl Iodide

Concen: 17.111 ug/l

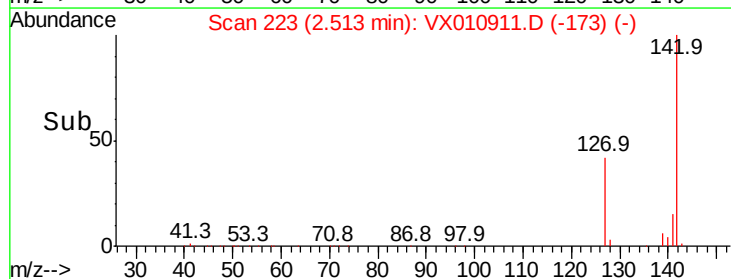
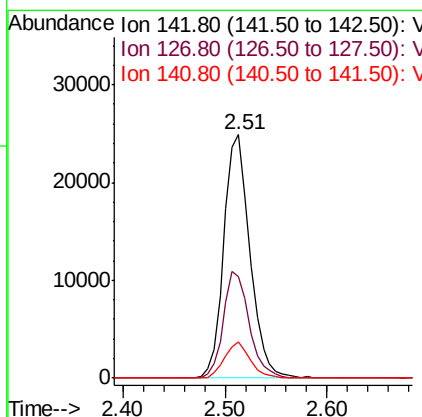
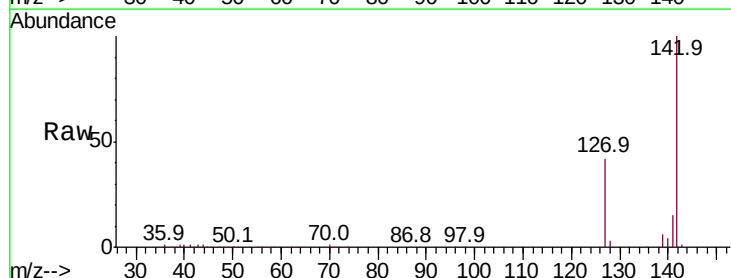
RT: 2.51 min Scan# 223

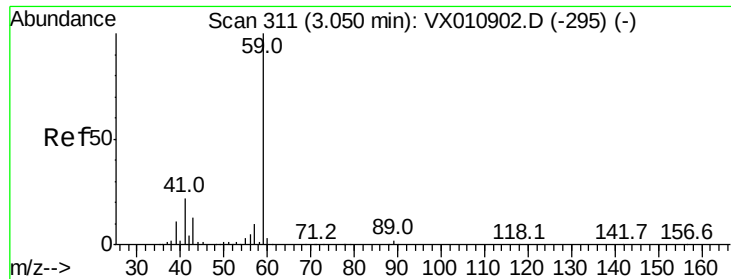
Delta R.T. 0.01 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion:	142	Resp:	44268
Ion Ratio	Lower	Upper	
142	100		
127	43.5	34.2	51.4
141	14.4	11.7	17.5





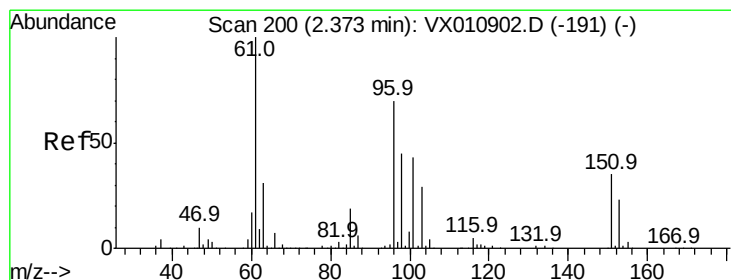
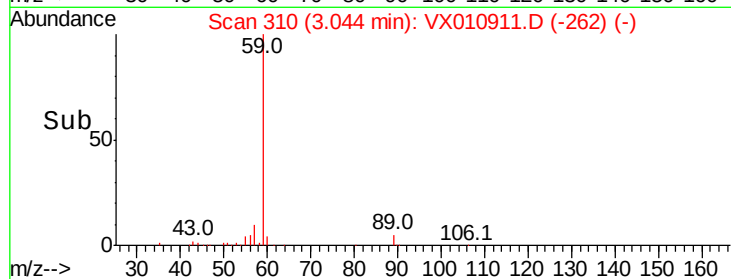
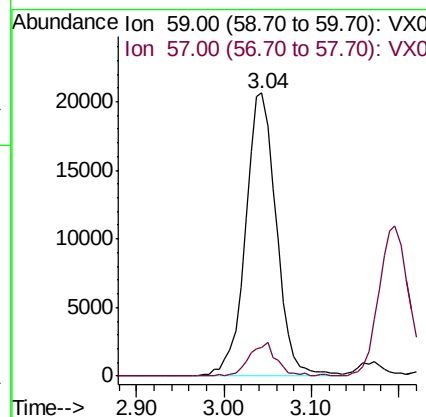
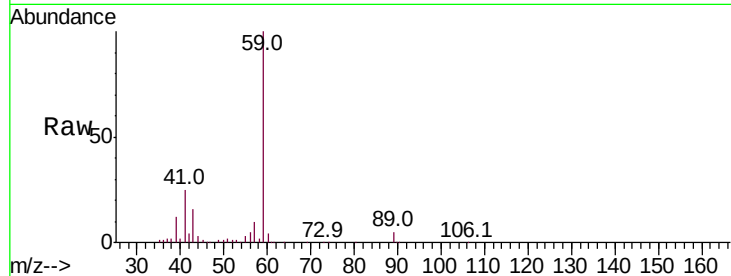
#11
Tert butyl alcohol
Concen: 93.811 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion: 59 Resp: 50542
Ion Ratio Lower Upper
59 100
57 10.7 7.9 11.9

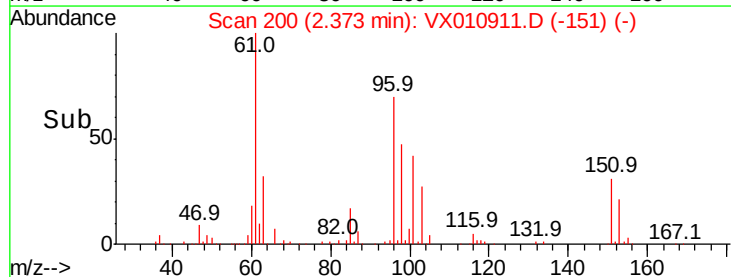
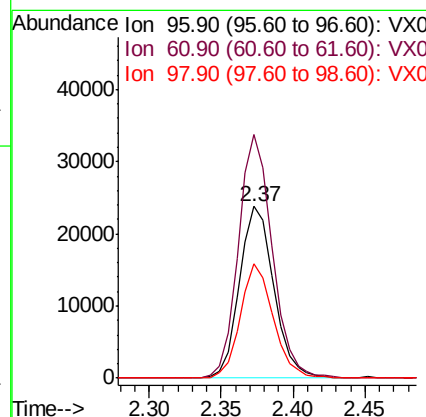
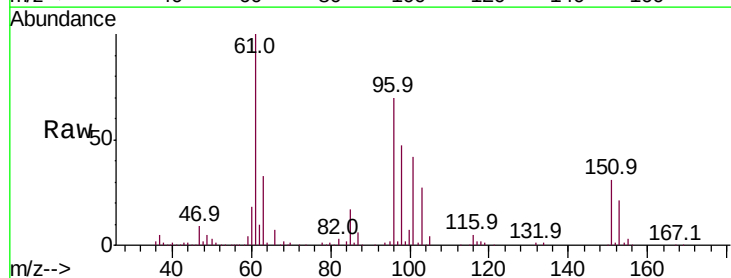
Manual Integrations
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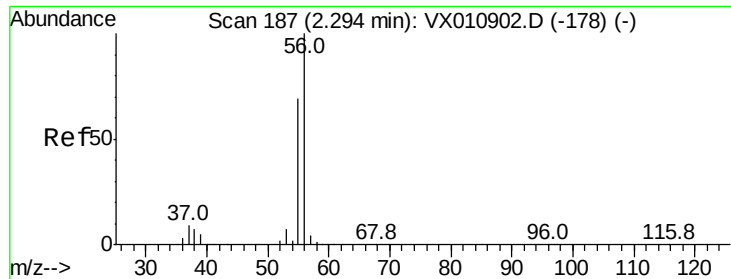
MMDadoda
7/17/2019 10:45:48 AM



#12
1,1-Dichloroethene
Concen: 20.390 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion: 96 Resp: 39494
Ion Ratio Lower Upper
96 100
61 141.6 115.0 172.4
98 66.6 52.2 78.2





#13

Acrolein

Concen: 87.651 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 56 Resp: 27284

Ion Ratio Lower Upper

56 100

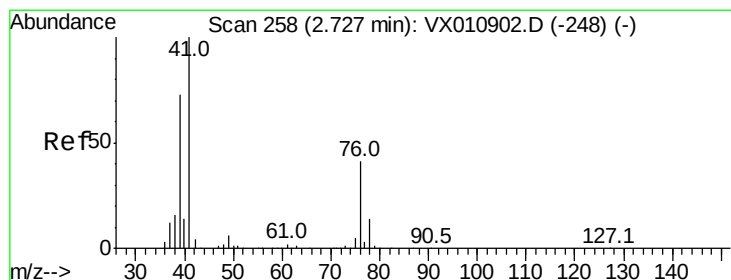
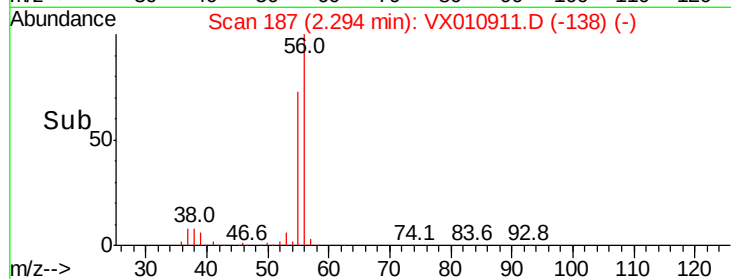
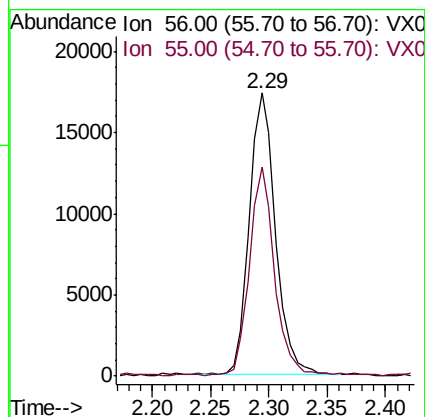
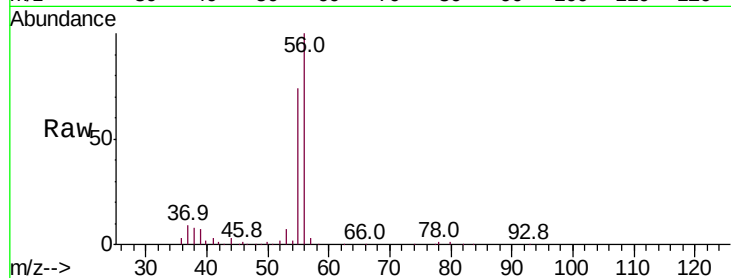
55 72.2 55.9 83.9

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#14

Allyl chloride

Concen: 19.579 ug/l

RT: 2.73 min Scan# 259

Delta R.T. 0.01 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

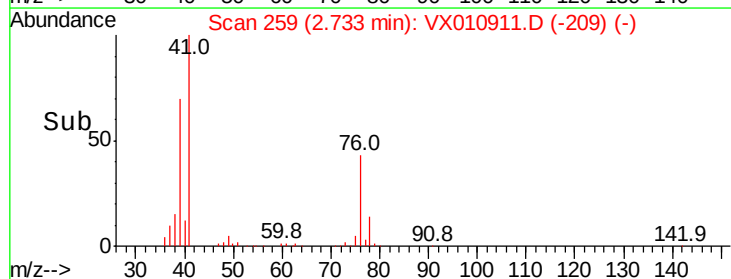
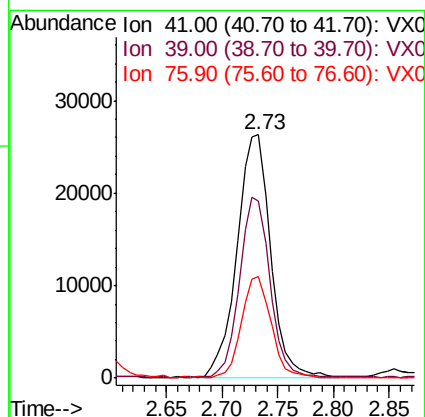
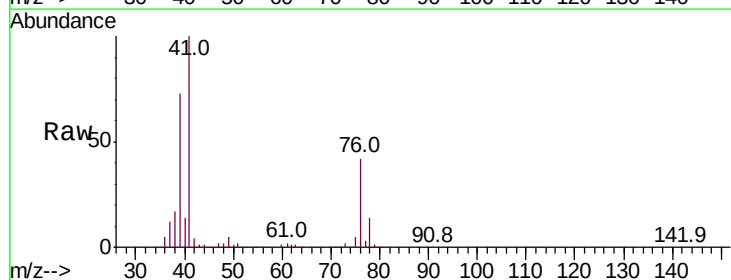
Tgt Ion: 41 Resp: 55085

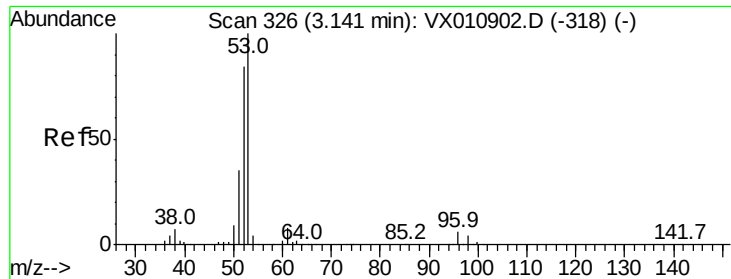
Ion Ratio Lower Upper

41 100

39 67.2 53.6 80.4

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 98.524 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

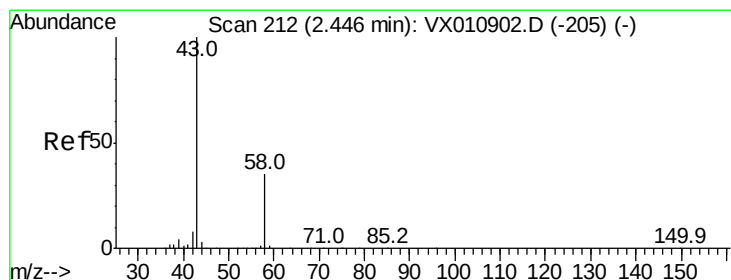
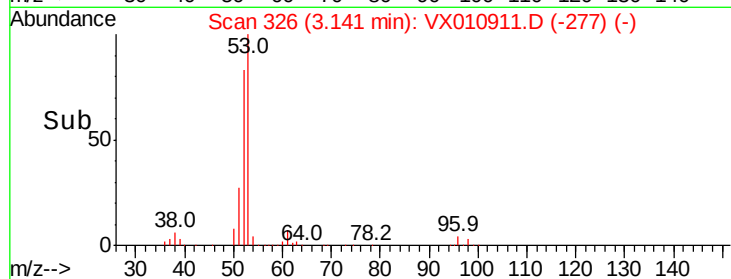
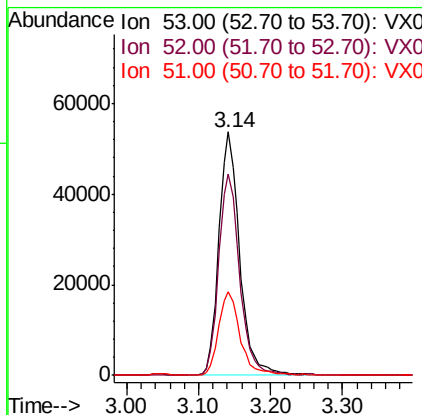
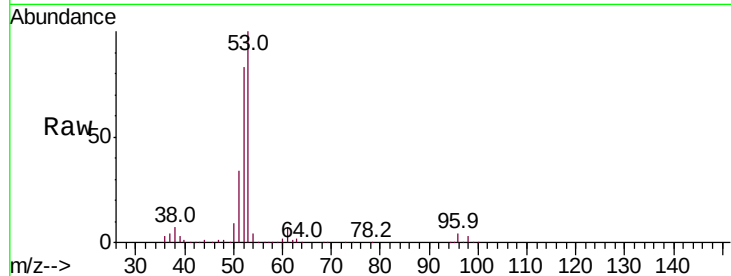
ClientSampleId :

VX0716WBS01

Tot Ion:	53	Resp:	107261
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.5	99.7
51	36.0	28.2	42.4

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#16

Acetone

Concen: 88.566 ug/l

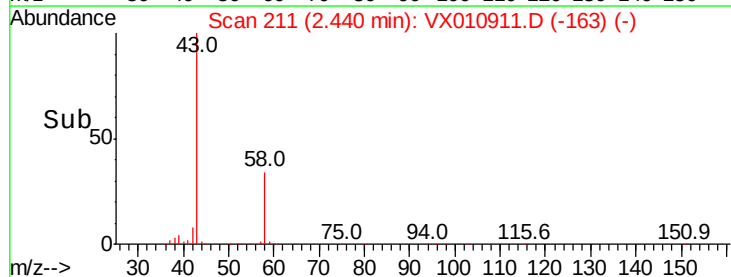
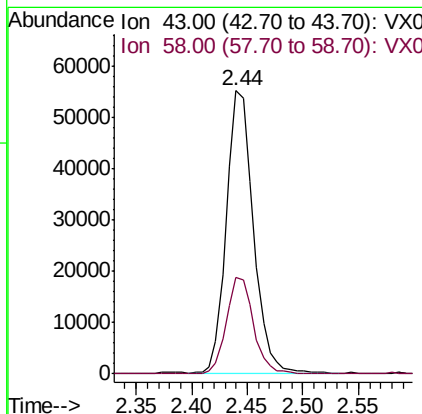
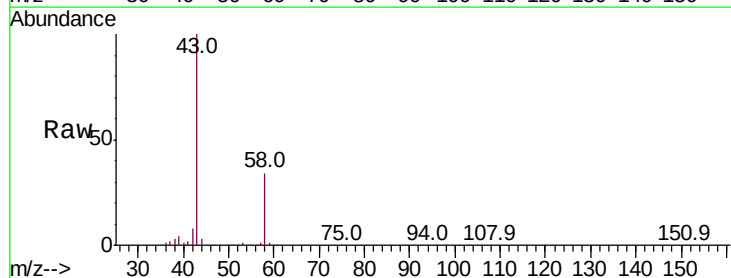
RT: 2.44 min Scan# 211

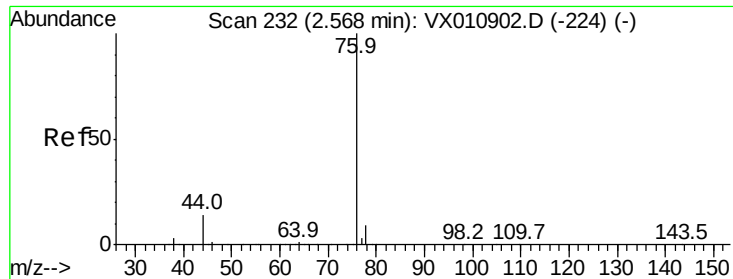
Delta R.T. -0.01 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion:	43	Resp:	92537
Ion Ratio	Lower	Upper	
43	100		
58	34.4	27.7	41.5





#17

Carbon Disulfide

Concen: 19.387 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 76 Resp: 96324

Ion Ratio Lower Upper

76 100

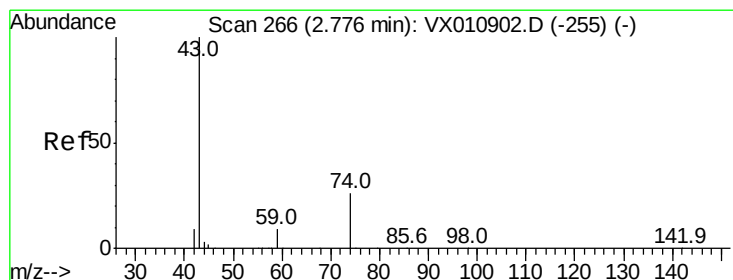
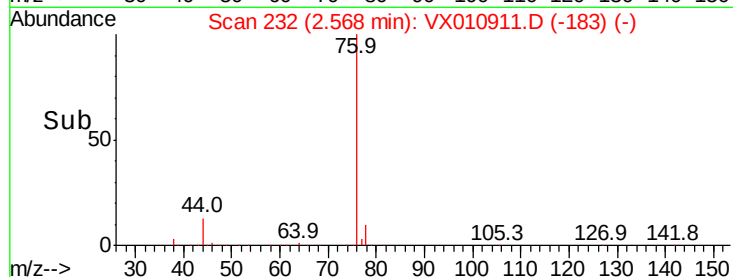
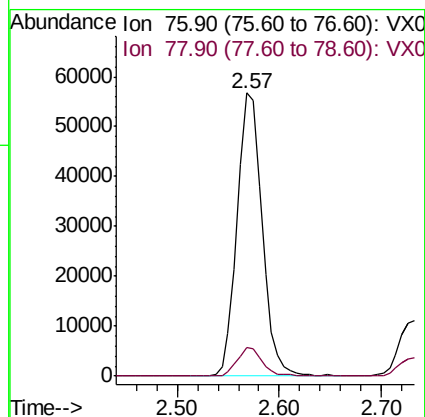
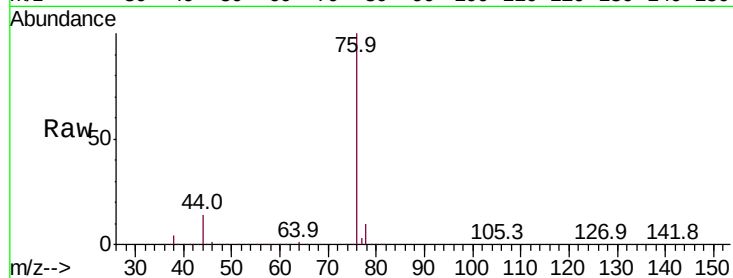
78 9.9 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 18.732 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX010911.D

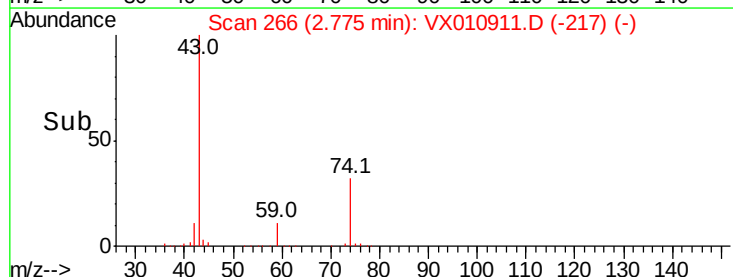
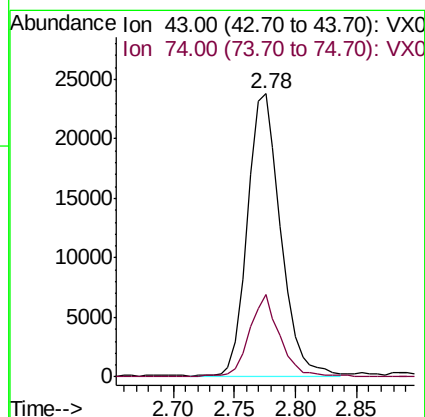
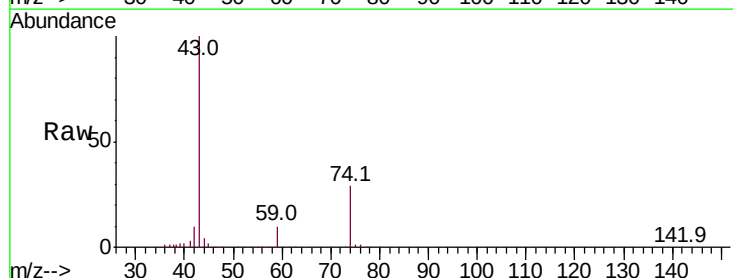
Acq: 16 Jul 2019 17:05

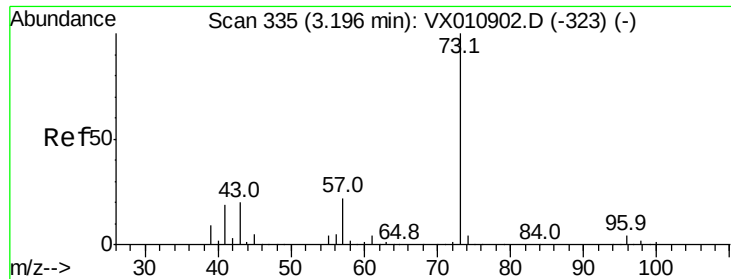
Tgt Ion: 43 Resp: 44566

Ion Ratio Lower Upper

43 100

74 27.0 21.5 32.3





#19

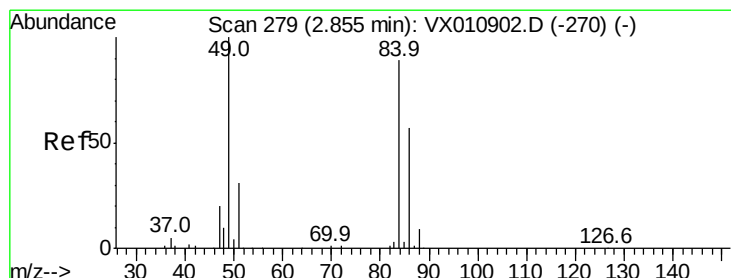
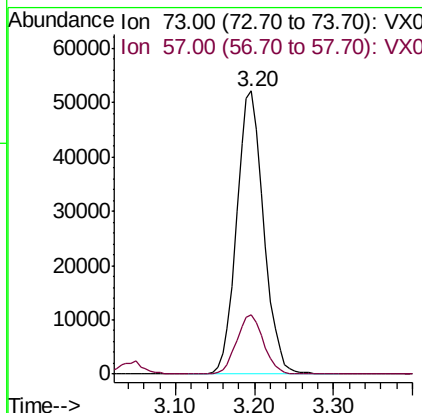
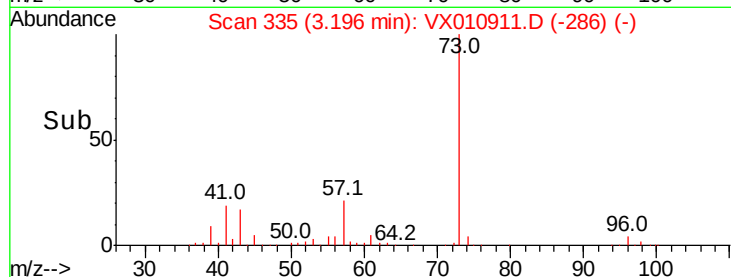
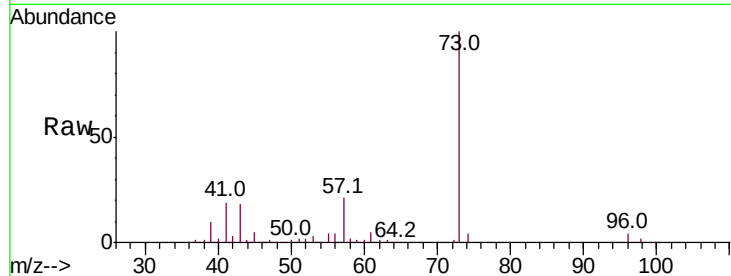
Methyl tert-butyl Ether
 Concen: 19.831 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.3	25.9

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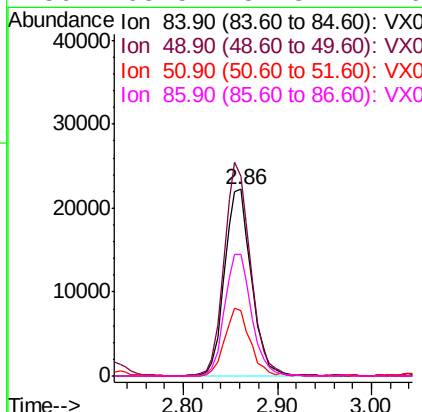
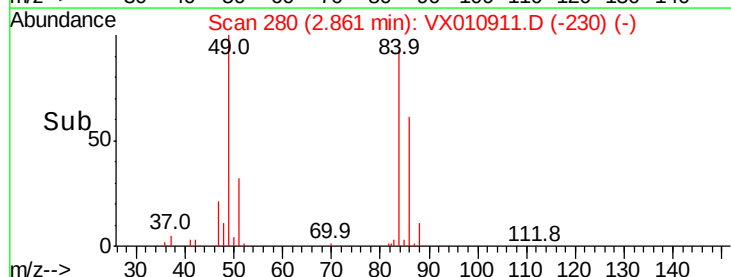
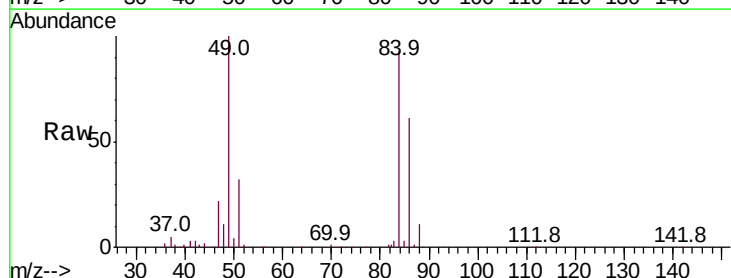
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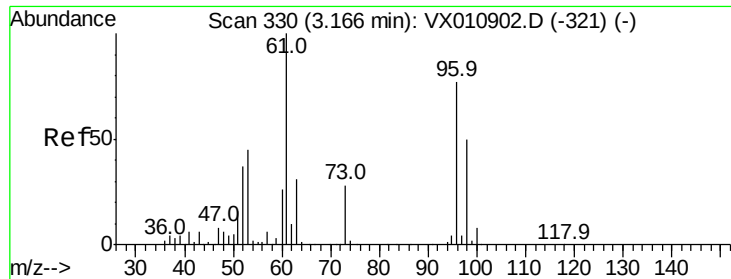


#20

Methylene Chloride
 Concen: 19.817 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.7	89.9	134.9
51	34.4	27.8	41.6
86	65.5	51.8	77.6





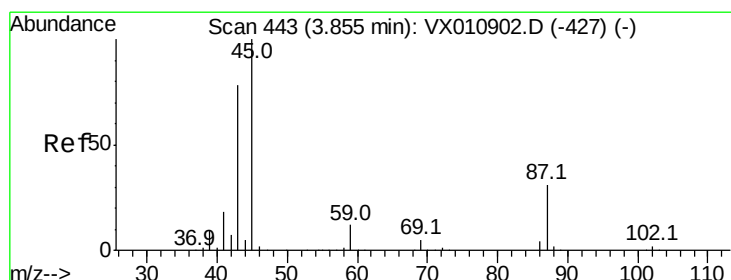
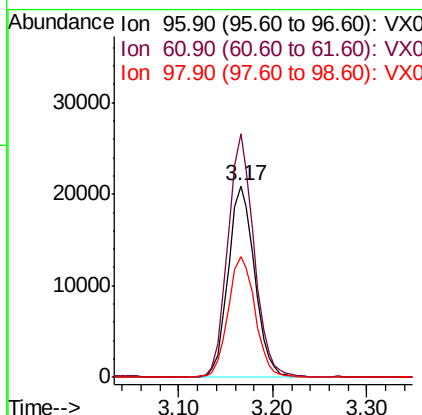
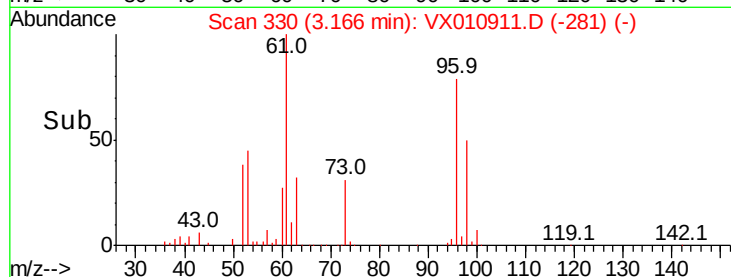
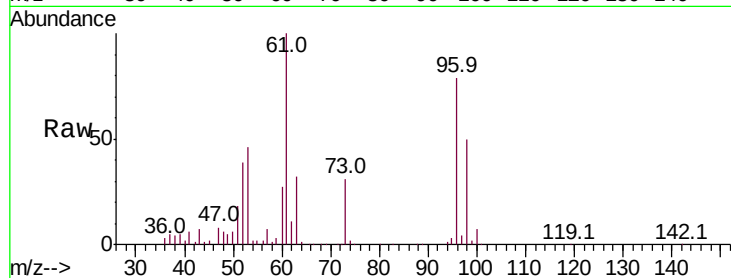
#21
trans-1,2-Dichloroethene
Concen: 19.903 ug/l
RT: 3.17 min Scan# 330
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.0	104.2	156.2
98	63.2	52.2	78.4

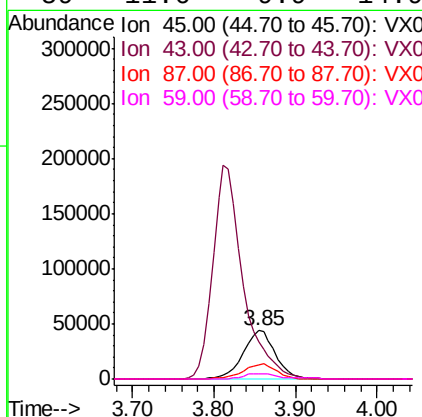
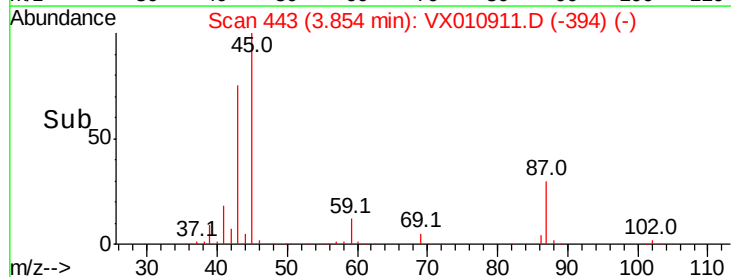
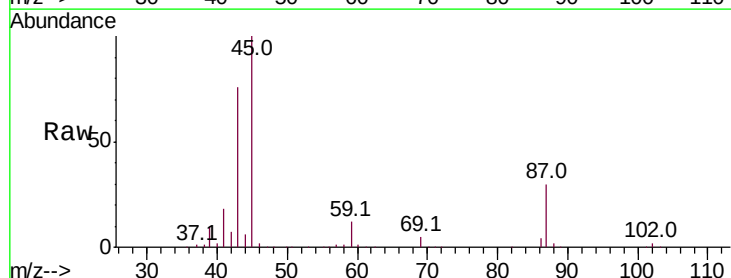
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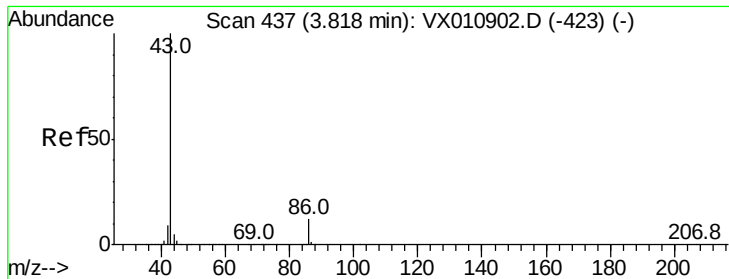
MMDadoda
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#22
Diisopropyl ether
Concen: 20.173 ug/l
RT: 3.85 min Scan# 443
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.5	62.3	93.5
87	30.3	25.0	37.4
59	11.6	9.9	14.9





#23

Vinyl Acetate

Concen: 99.726 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampled :

VX0716WBS01

Tot Ion: 43 Resp: 501386

Ion Ratio Lower Upper

43 100

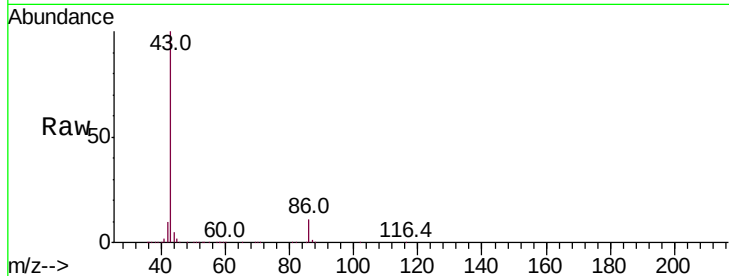
86 11.0 9.4 14.0

Manual Integrations

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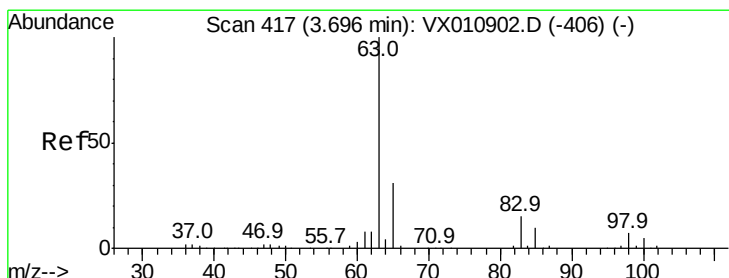
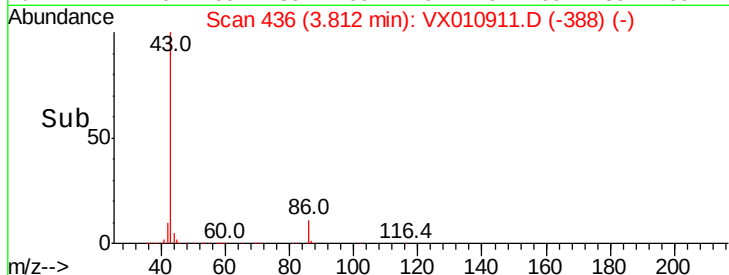
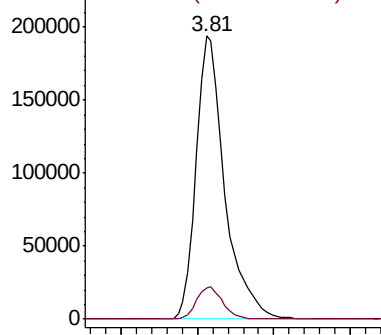
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.737 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

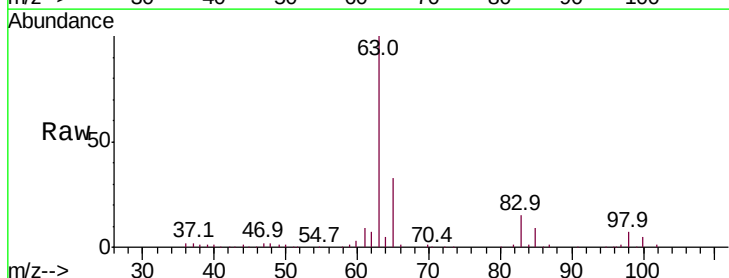
Tgt Ion: 63 Resp: 68014

Ion Ratio Lower Upper

63 100

98 7.3 3.6 10.9

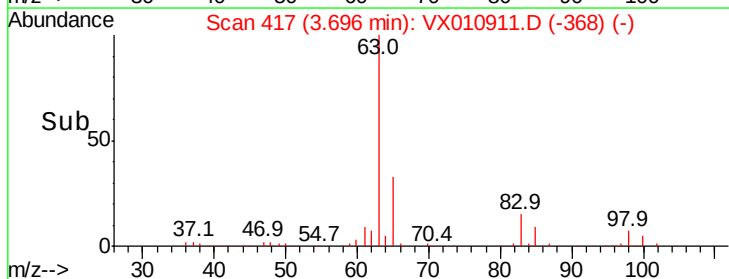
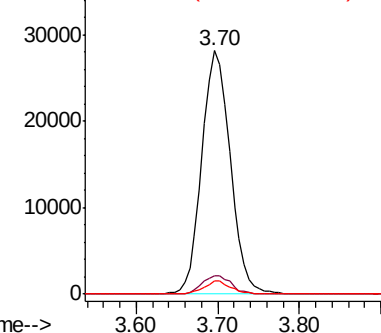
100 5.3 2.4 7.2

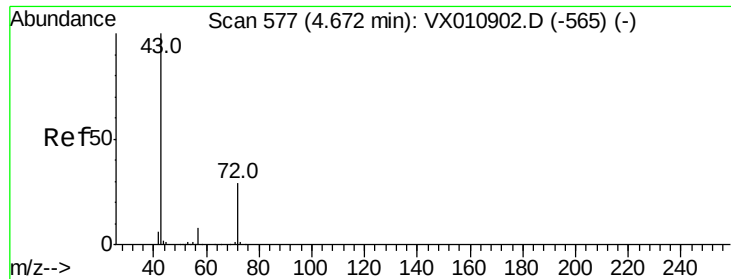


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.570 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 43 Resp: 144841

Ion Ratio Lower Upper

43 100

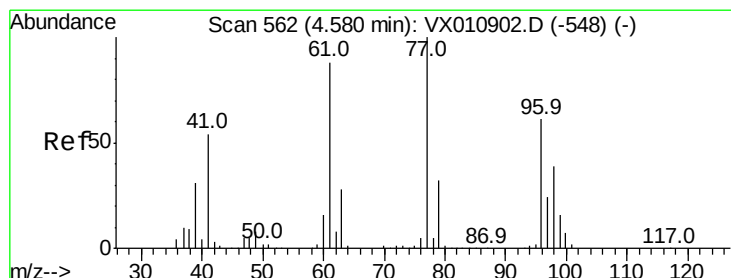
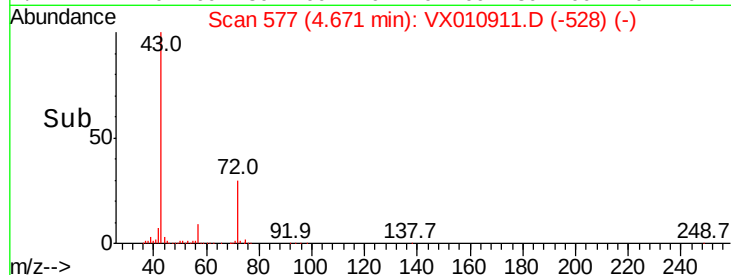
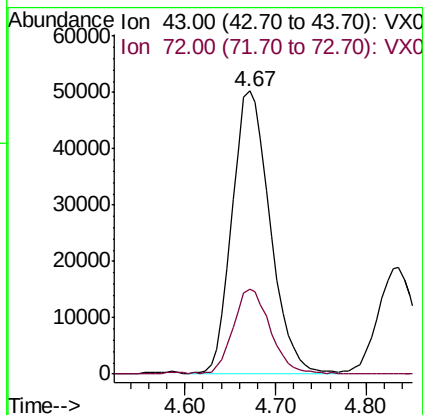
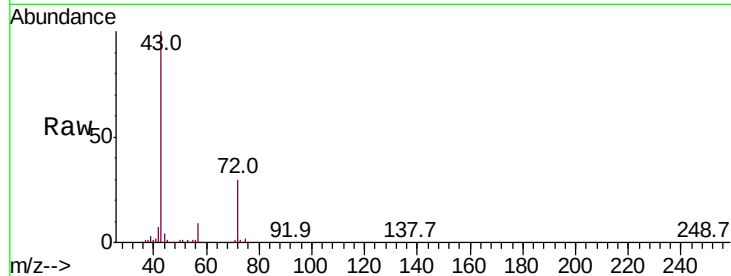
72 29.9 23.0 34.6

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#26

2,2-Dichloropropane

Concen: 18.045 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010911.D

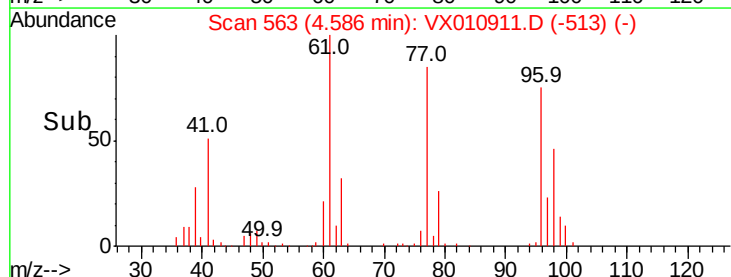
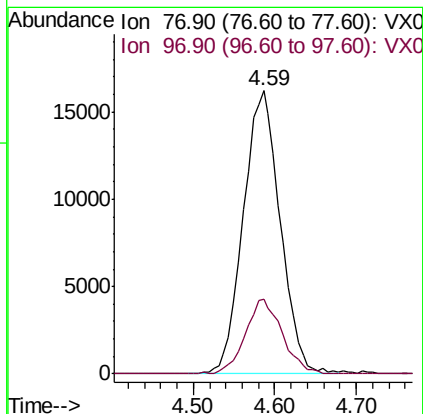
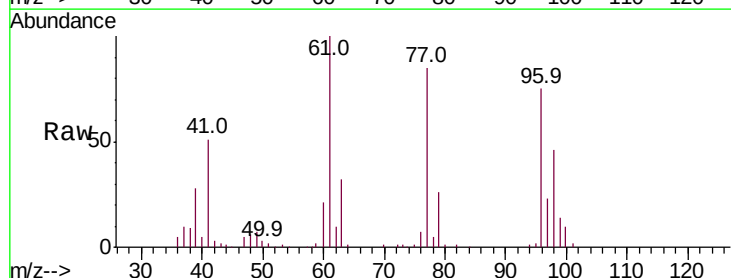
Acq: 16 Jul 2019 17:05

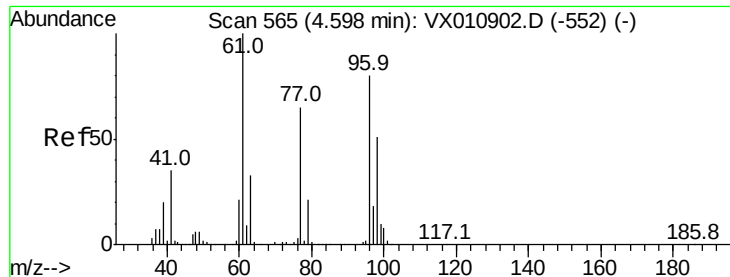
Tgt Ion: 77 Resp: 51059

Ion Ratio Lower Upper

77 100

97 26.2 12.6 37.6





#27

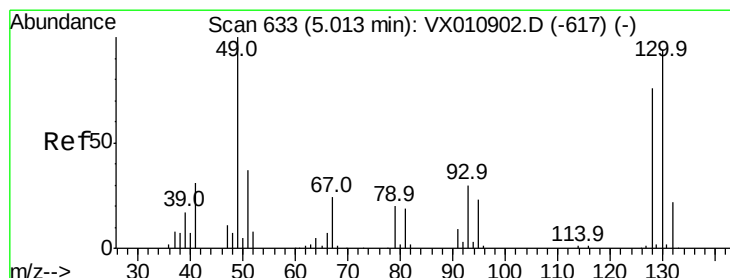
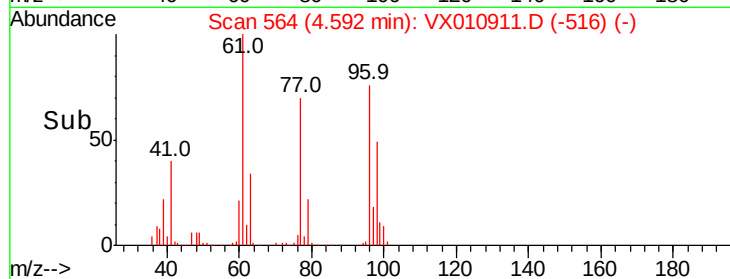
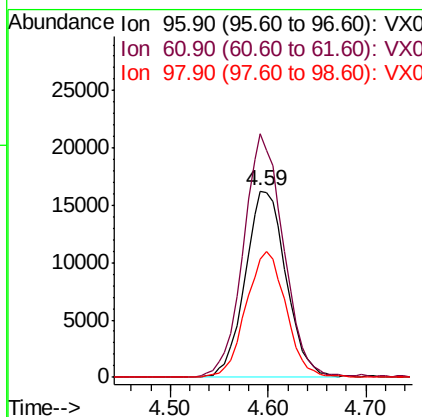
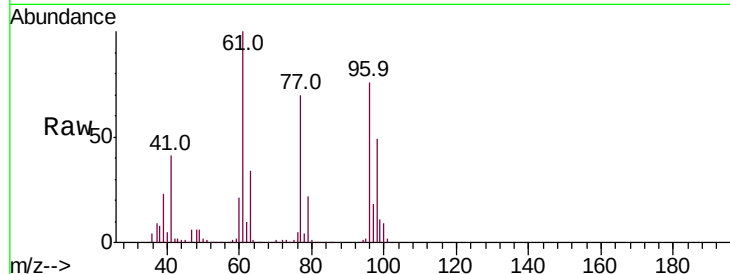
cis-1,2-Dichloroethene
Concen: 19.817 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	269.0
98	66.0	0.0	131.4

Manual Integrations
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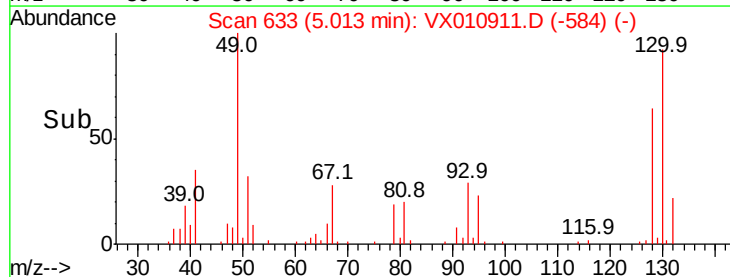
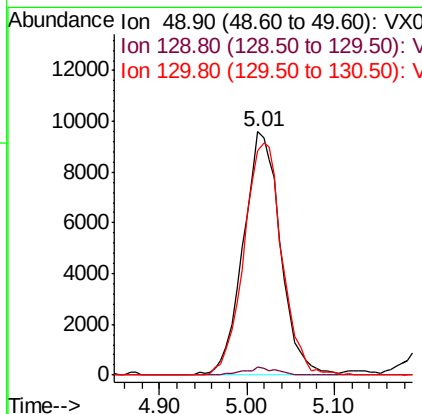
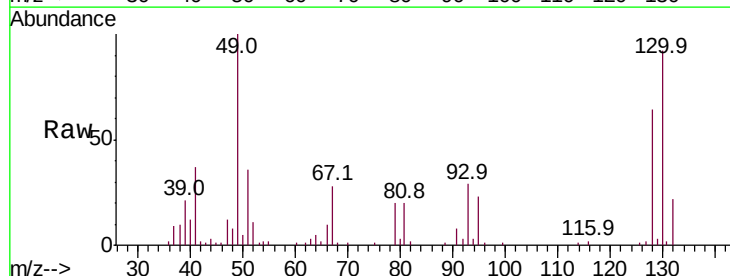
MMDadoda
7/17/2019 10:45:48 AM

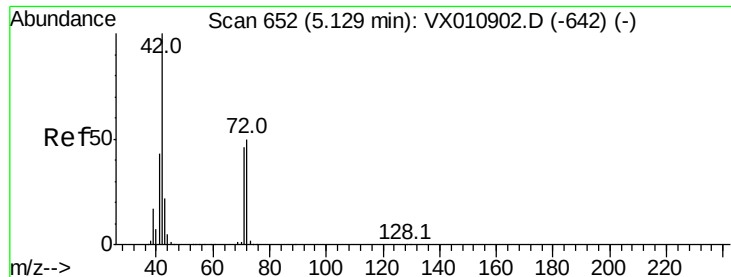


#28

Bromochloromethane
Concen: 17.487 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.2
130	97.2	76.9	115.3





#29

Tetrahydrofuran

Concen: 98.671 ug/l

RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

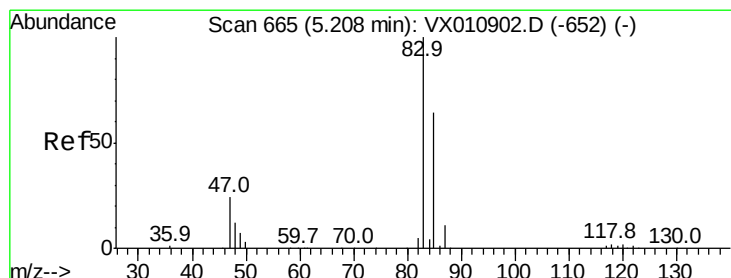
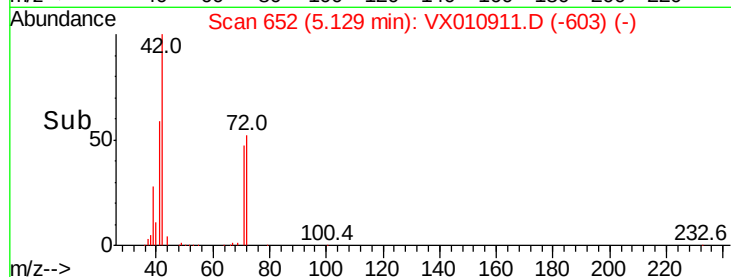
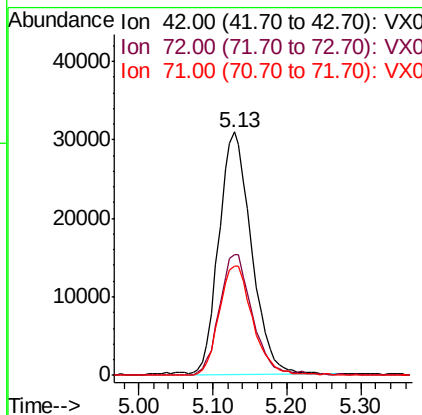
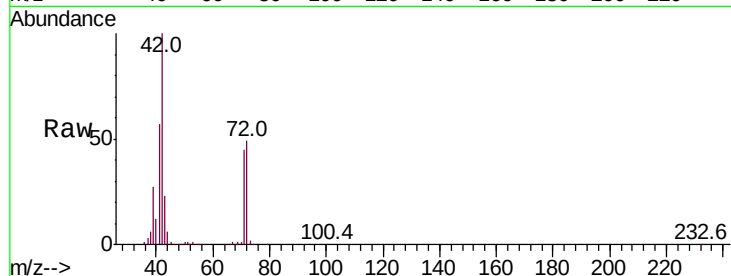
ClientSampleId :

VX0716WBS01

Tot Ion:	42	Resp:	93744
Ion	Ratio	Lower	Upper
42	100		
72	50.7	39.8	59.8
71	46.7	37.0	55.4

Manual Integrations
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MMDadoda
7/17/2019 10:45:48 AM



#30

Chloroform

Concen: 19.300 ug/l

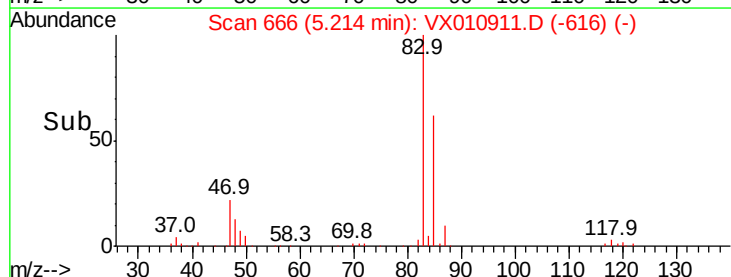
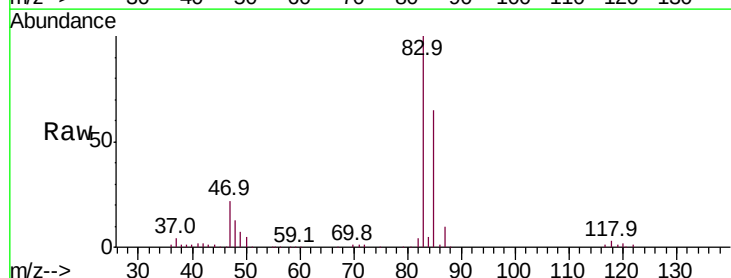
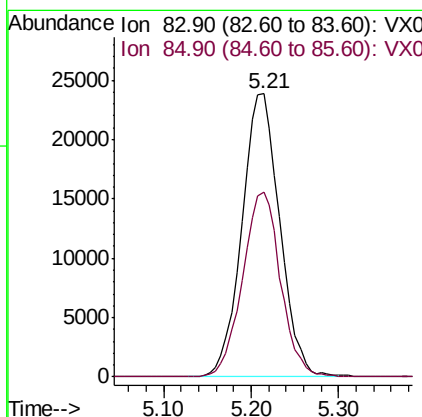
RT: 5.21 min Scan# 666

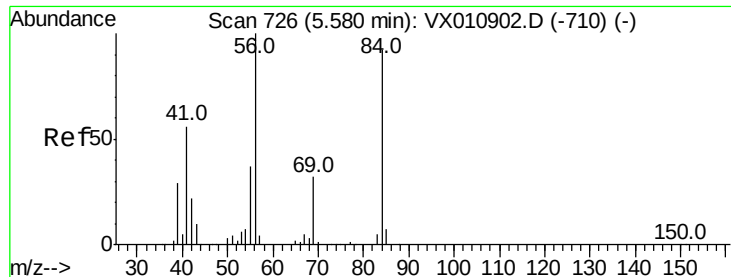
Delta R.T. 0.01 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion:	83	Resp:	71890
Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.0





#31

Cyclohexane

Concen: 19.465 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 56 Resp: 61139

Ion Ratio Lower Upper

56 100

69 33.1 25.8 38.8

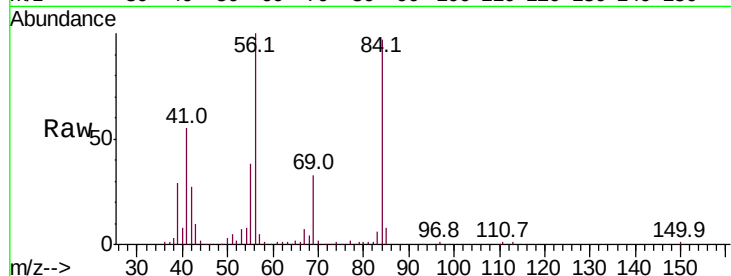
84 95.1 73.8 110.6

Manual Integrations

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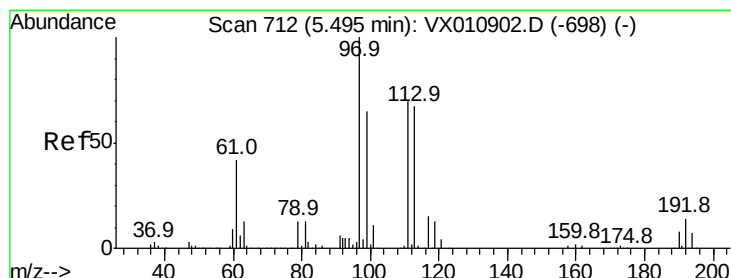
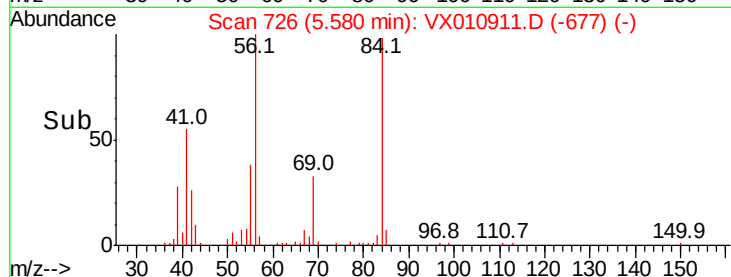
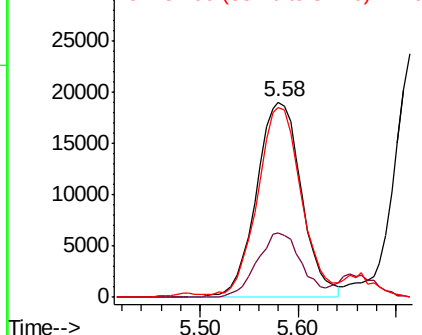


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.336 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

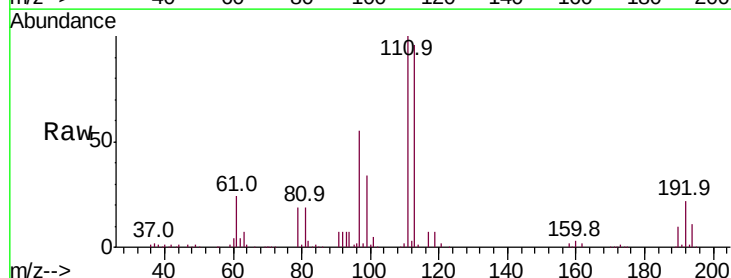
Tgt Ion: 97 Resp: 62310

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

61 42.4 33.0 49.6

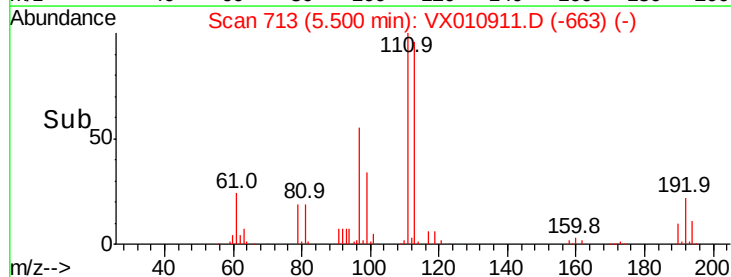
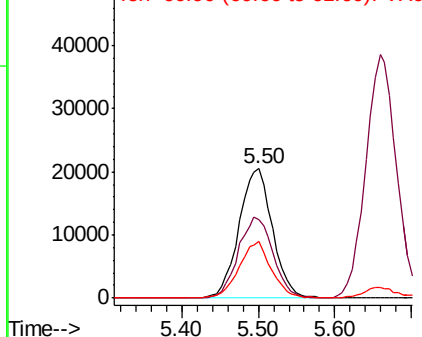


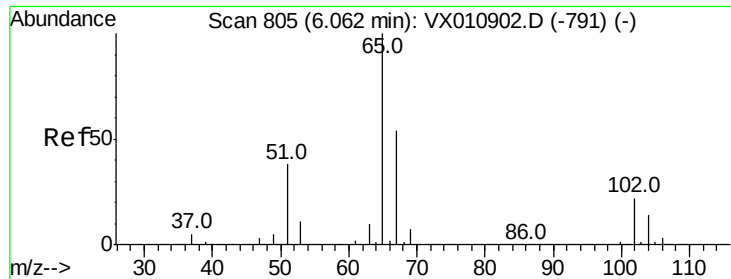
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





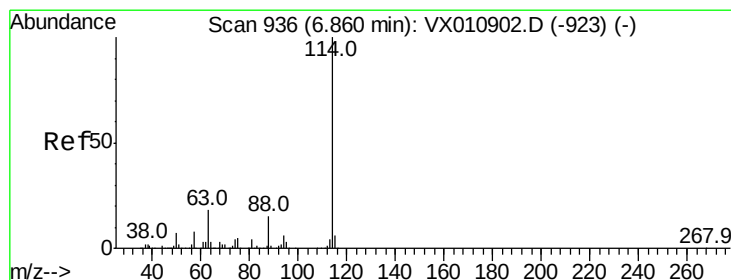
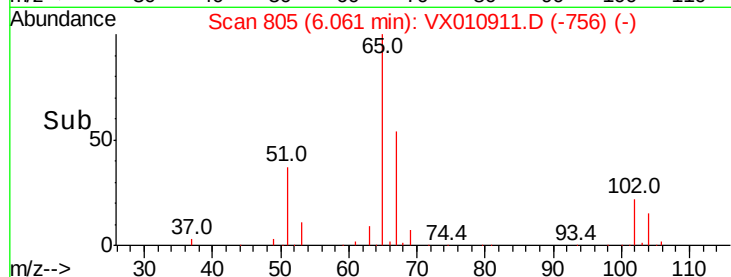
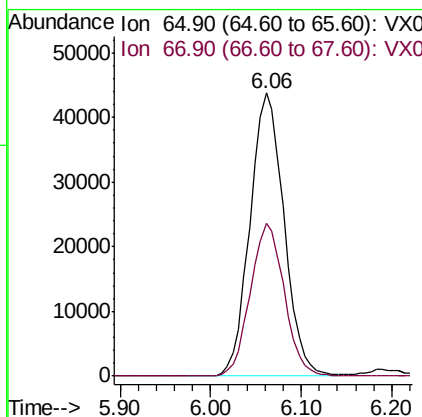
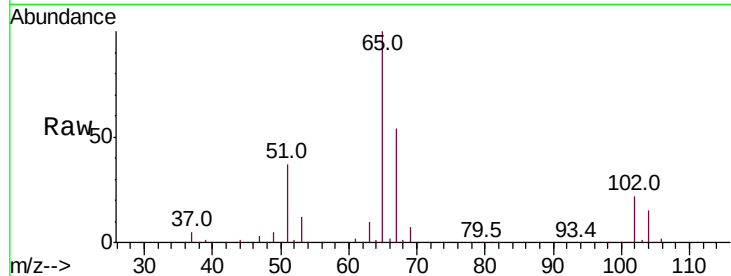
#33
 1,2-Dichloroethane-d4
 Concen: 49.124 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.9	0.0	107.8

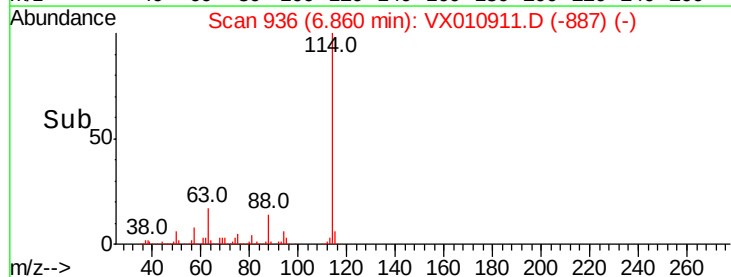
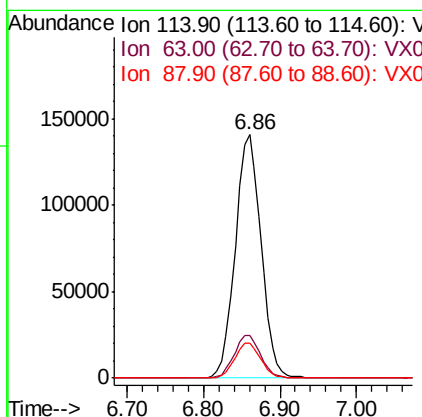
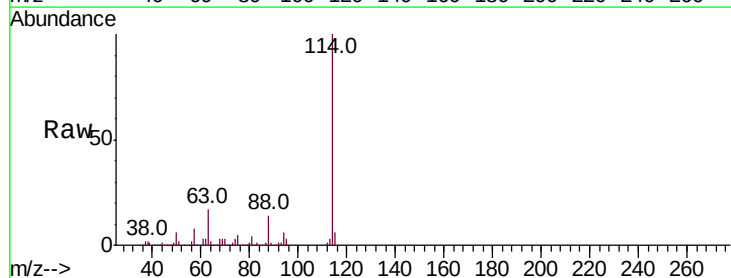
Manual Integrations
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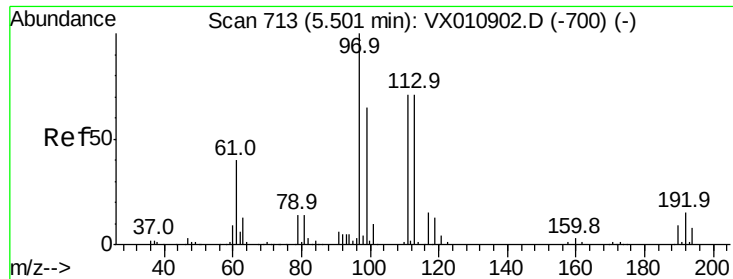
MMDadoda
 7/17/2019 10:45:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.6
88	14.5	0.0	29.8





#35

Dibromofluoromethane

Concen: 49.067 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

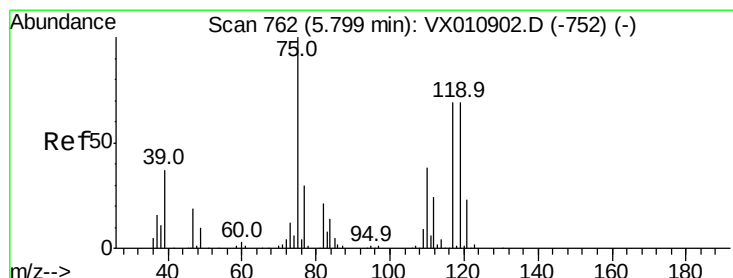
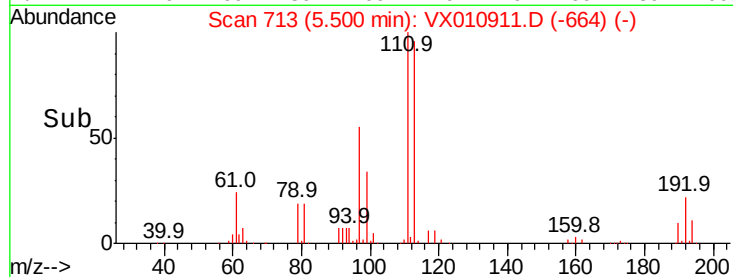
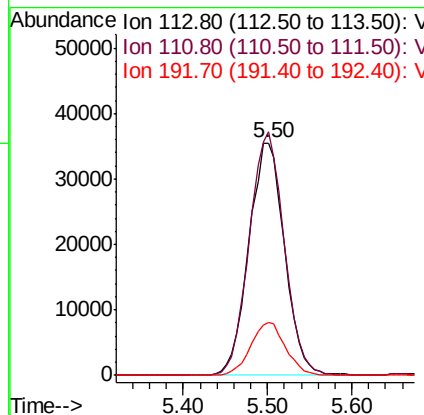
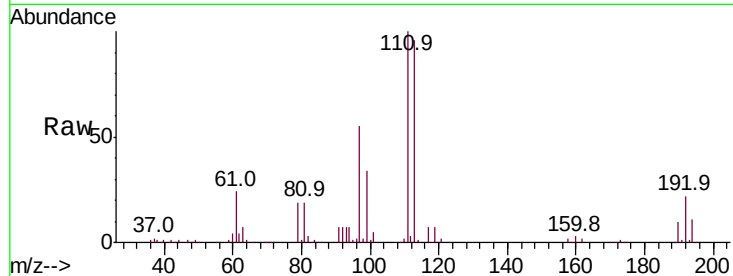
ClientSampleId :

VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102428		
111	102.5	82.3	123.5	
192	22.1	17.4	26.2	

Manual Integrations
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7/17/2019 10:45:48 AM



#36

1,1-Dichloropropene

Concen: 19.805 ug/l

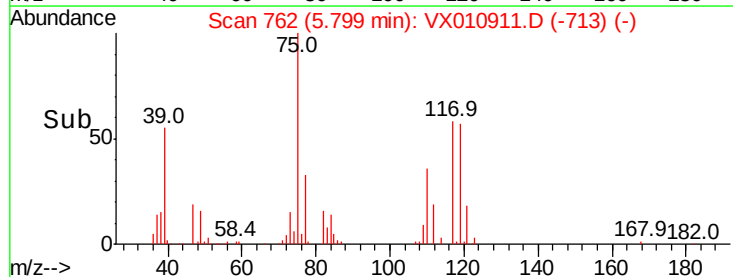
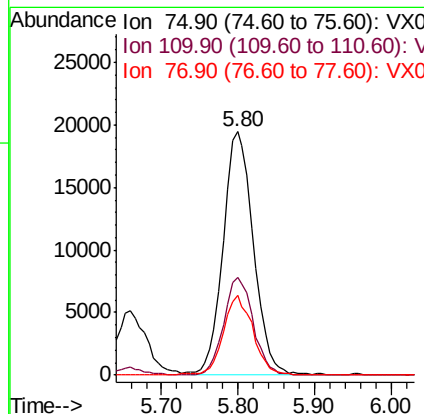
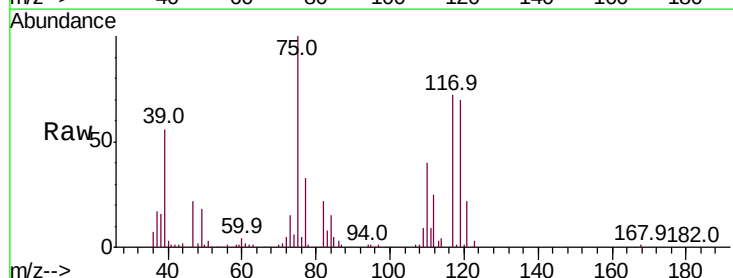
RT: 5.80 min Scan# 762

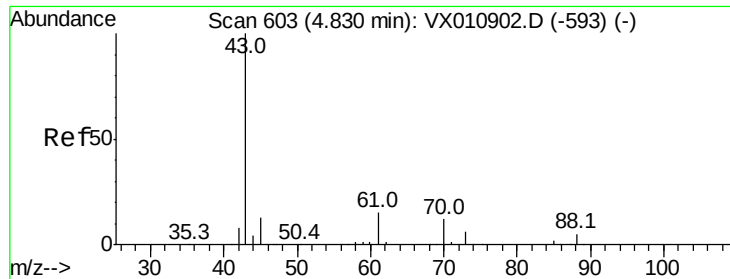
Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	53502		
110	38.9	19.9	59.7	
77	32.1	25.0	37.4	





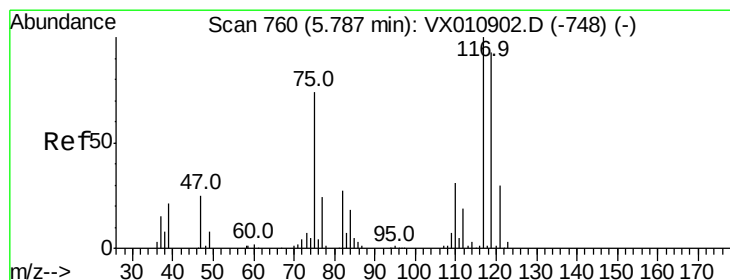
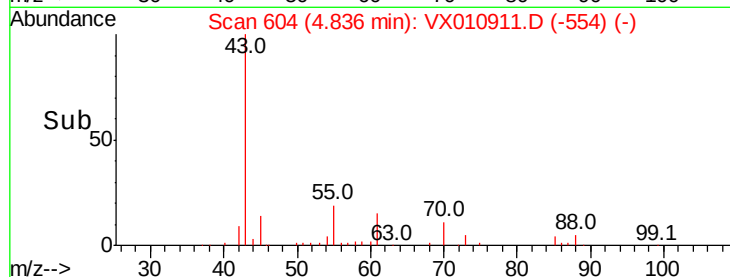
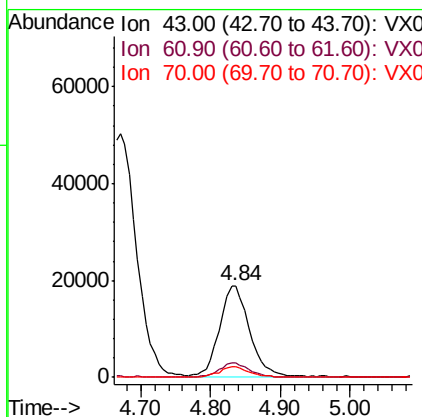
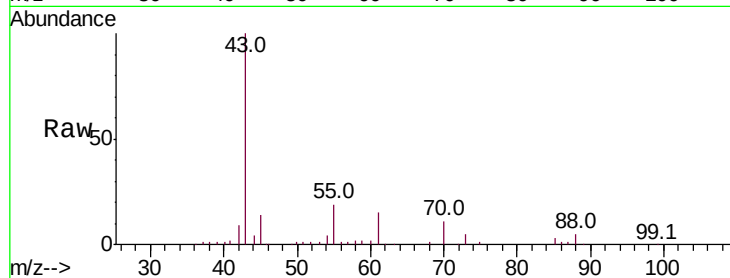
#37
Ethyl Acetate
Concen: 19.933 ug/l
RT: 4.84 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	11.6	17.4
70	12.1	9.1	13.7

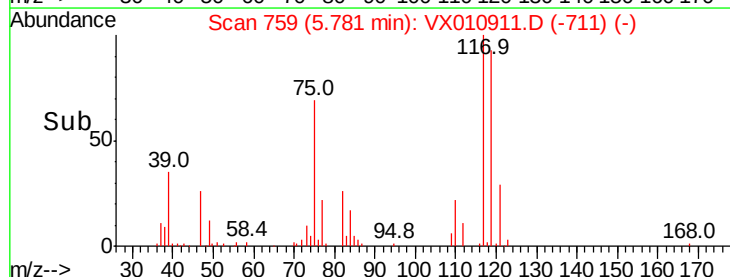
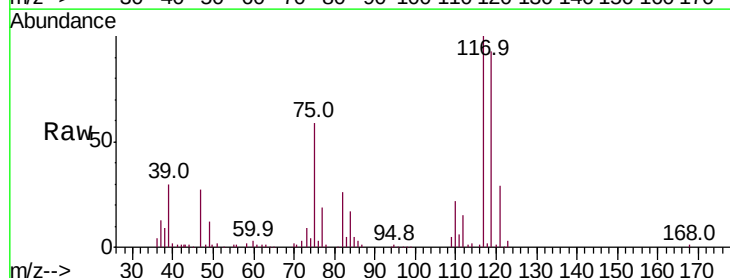
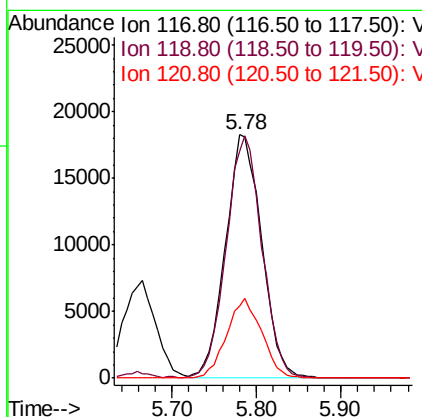
Manual Integrations
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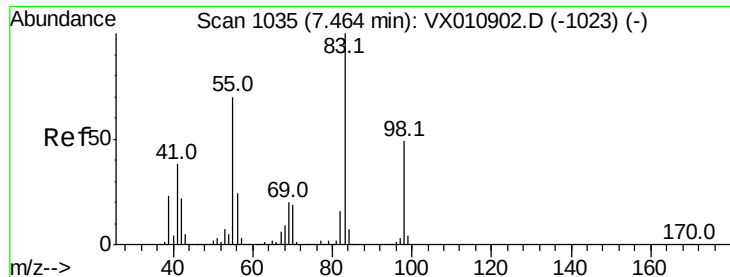
MMDadoda
7/17/2019 10:45:48 AM



#38
Carbon Tetrachloride
Concen: 18.948 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	74.2	111.2
121	29.5	24.2	36.2





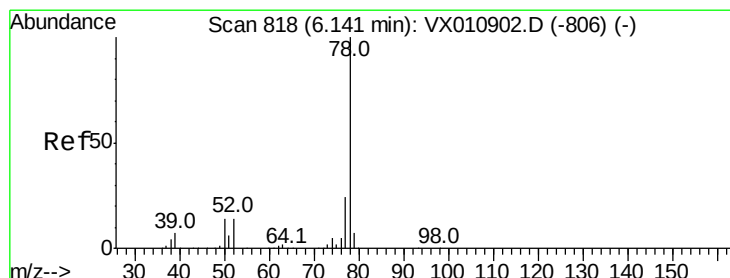
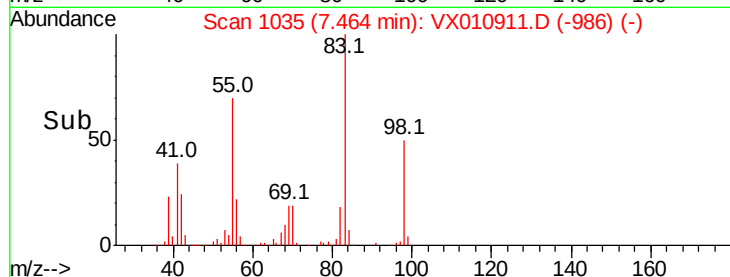
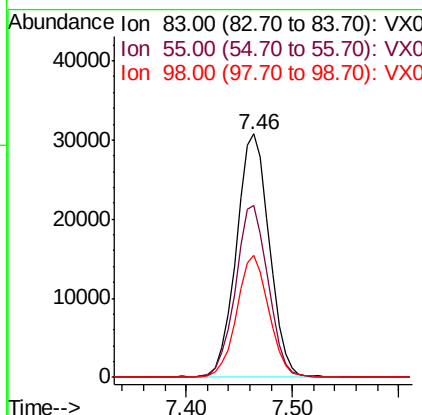
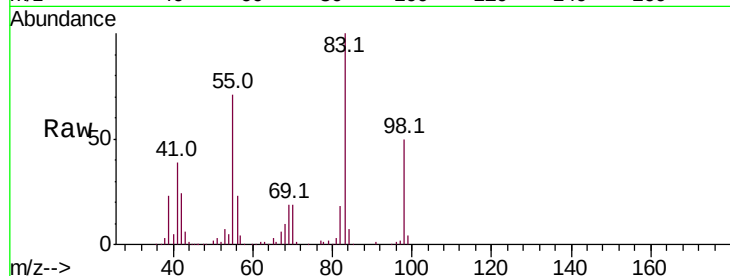
#39
Methylvlcyclohexane
Concen: 19.161 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.6	56.2	84.4
98	49.9	39.0	58.4

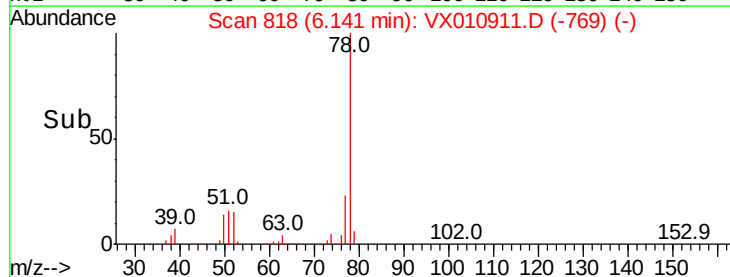
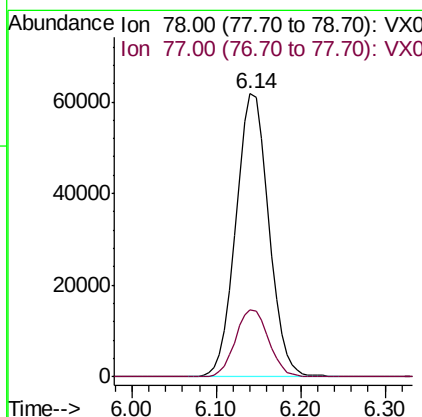
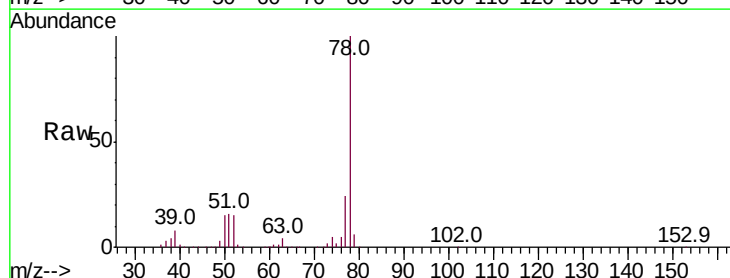
Manual Integrations
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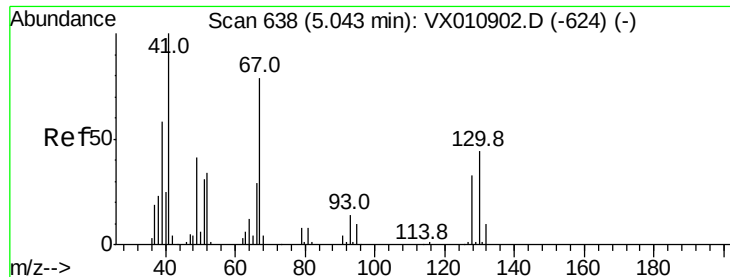
MMDadoda
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#40
Benzene
Concen: 19.665 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





#41

Methacrylonitrile

Concen: 19.603 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampled :

VX0716WBS01

Tot Ion: 41 Resp: 30784

Ion Ratio Lower Upper

41 100

39 54.5 45.4 68.2

67 78.1 65.9 98.9

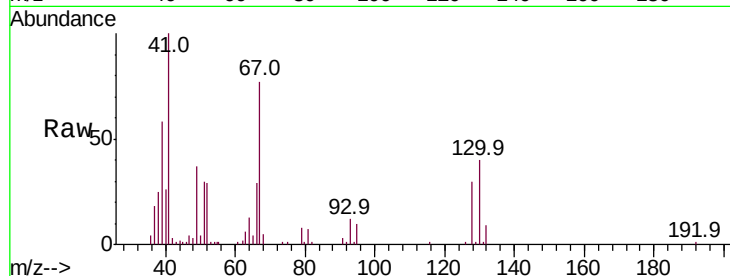
52 31.7 26.2 39.2

Manual Integrations

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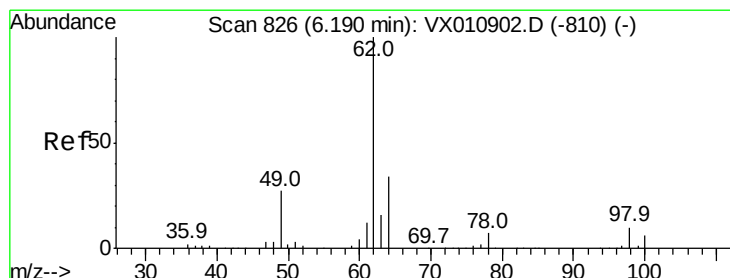
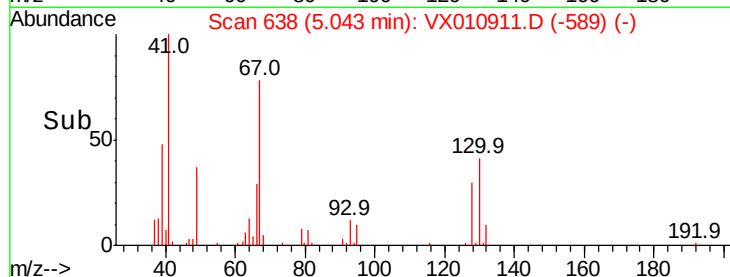
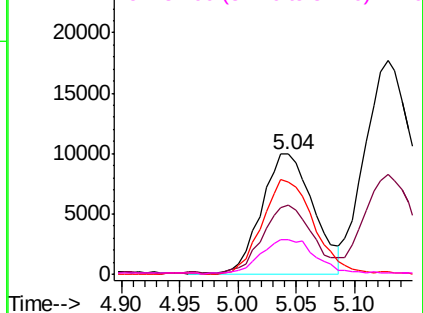


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 19.531 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010911.D

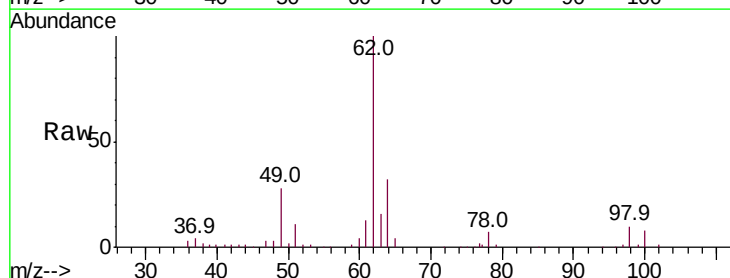
Acq: 16 Jul 2019 17:05

Tgt Ion: 62 Resp: 56195

Ion Ratio Lower Upper

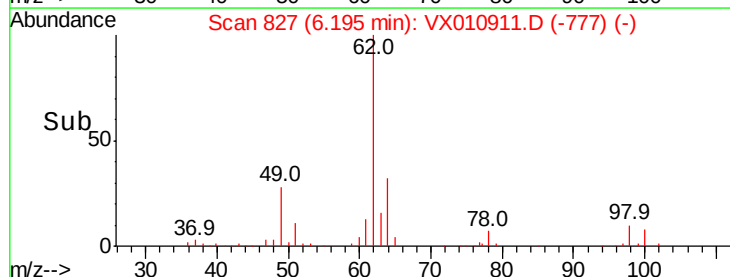
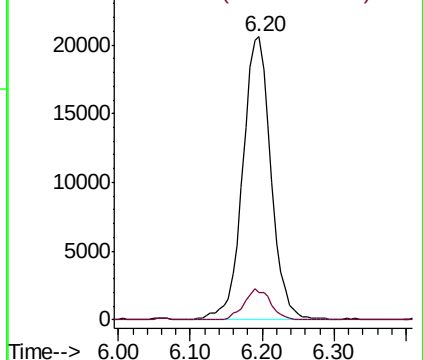
62 100

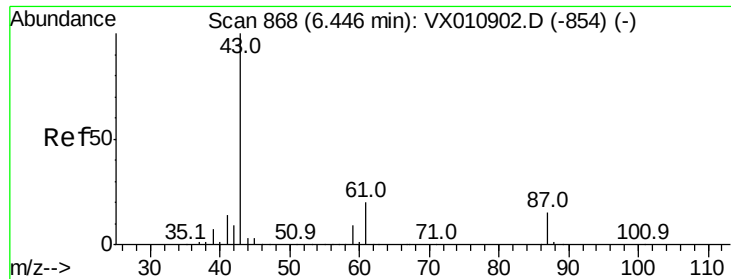
98 10.1 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.942 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

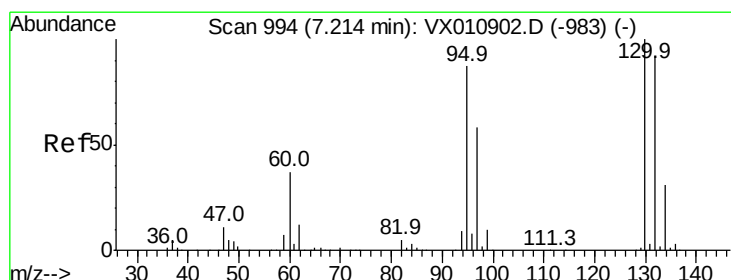
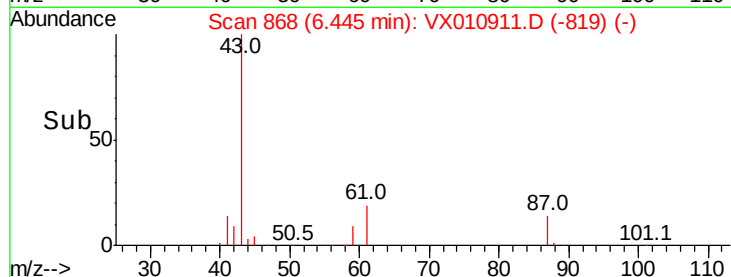
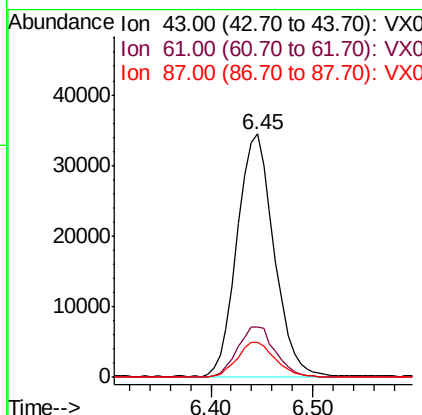
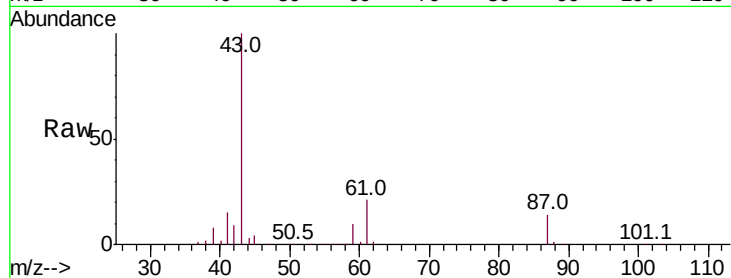
ClientSampleId :

VX0716WBS01

Tot Ion:	43	Resp:	86157
Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.1	25.7
87	15.2	12.0	18.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.150 ug/l

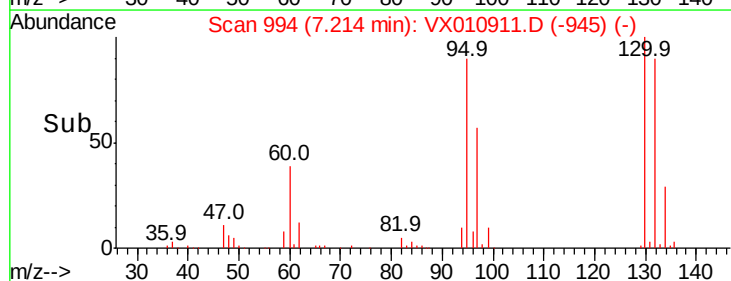
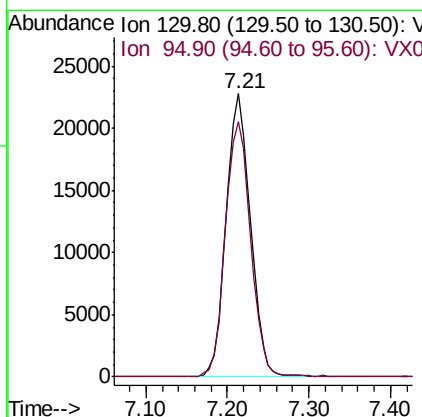
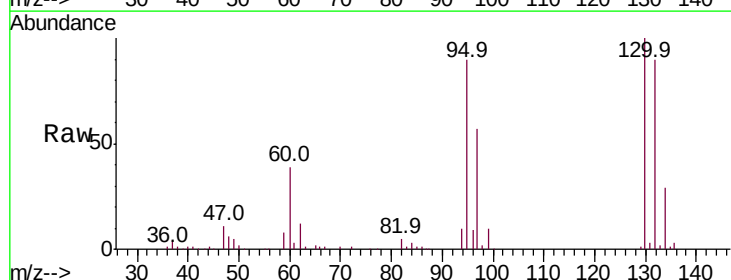
RT: 7.21 min Scan# 994

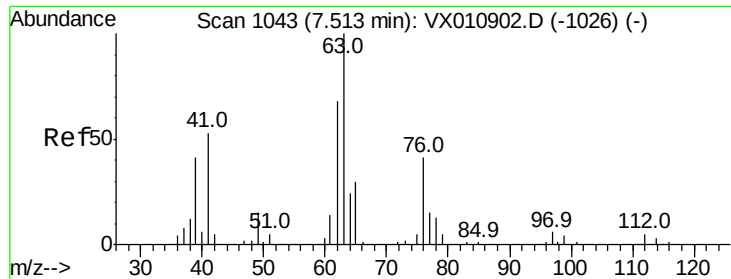
Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion:	130	Resp:	46908
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	174.8





#45

1,2-Dichloropropane

Concen: 19.533 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 63 Resp: 41140

Ion Ratio Lower Upper

63 100

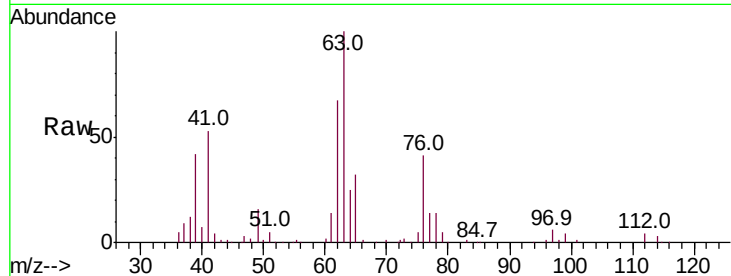
65 32.1 24.4 36.6

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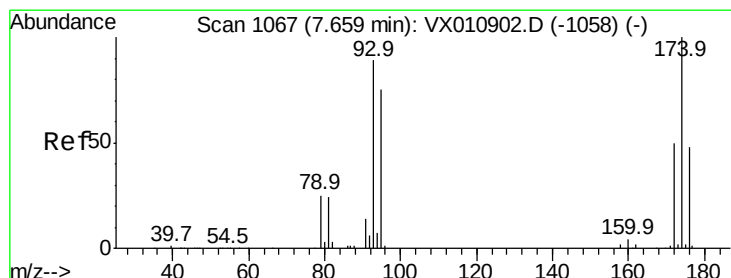
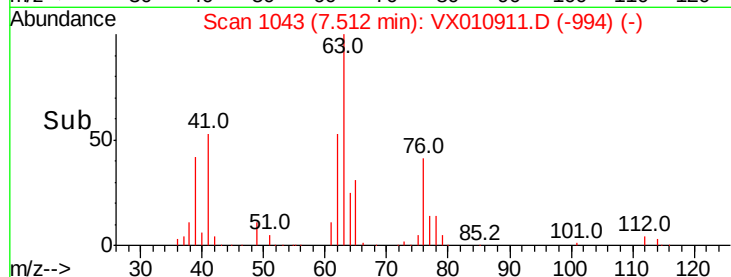
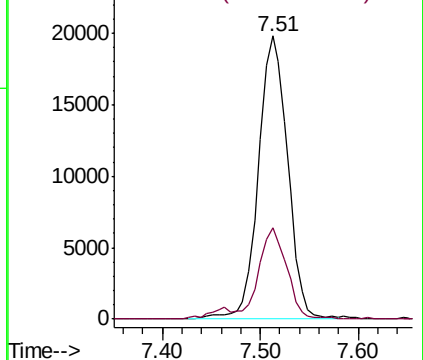
MMDadoda

7/17/2019 10:45:48 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.339 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

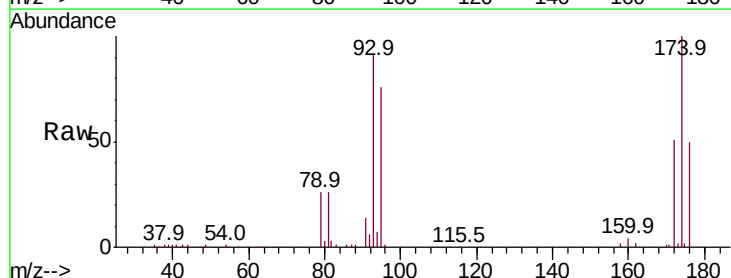
Tgt Ion: 93 Resp: 29106

Ion Ratio Lower Upper

93 100

95 86.5 67.2 100.8

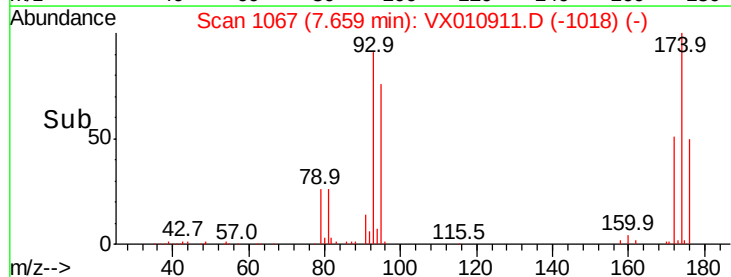
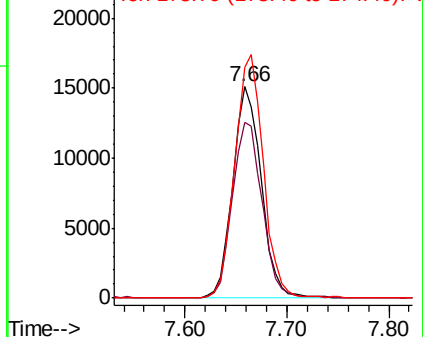
174 115.8 90.6 135.8

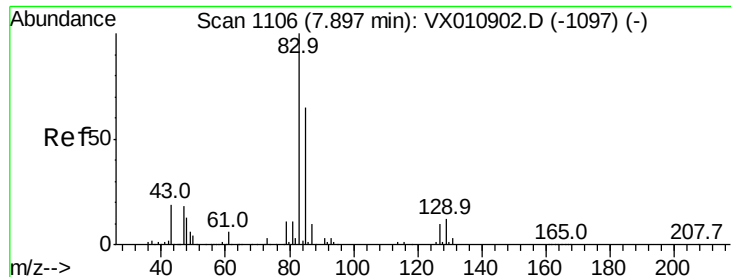


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.422 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

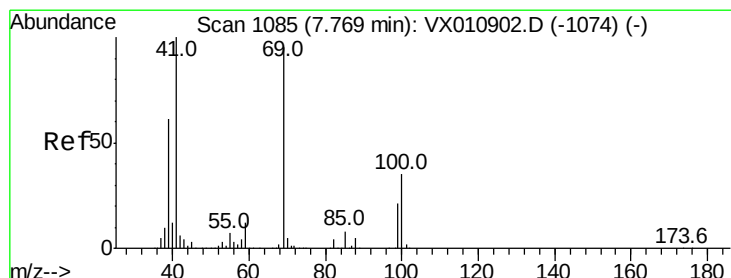
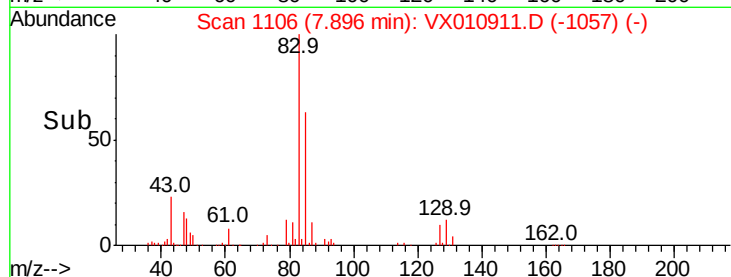
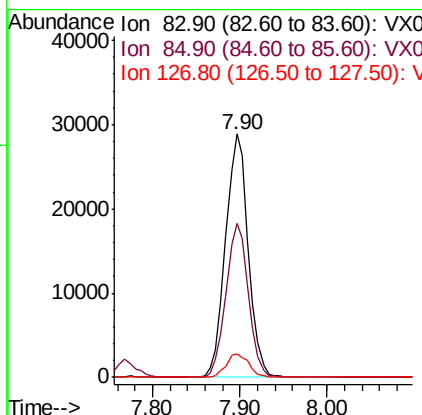
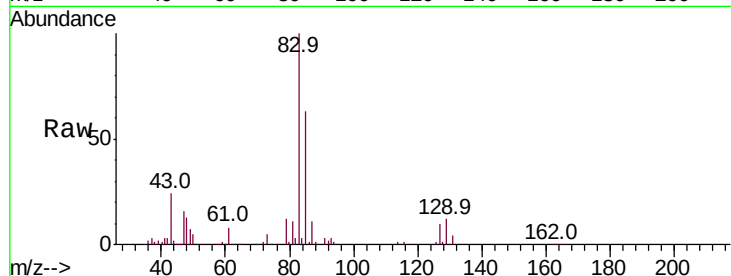
ClientSampleId :

VX0716WBS01

Tot Ion:	83	Resp:	52034
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.5	78.7
127	9.8	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.005 ug/l

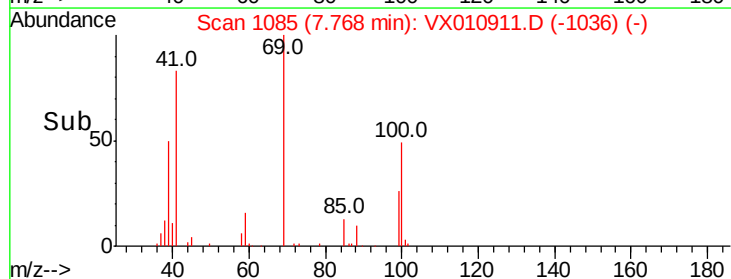
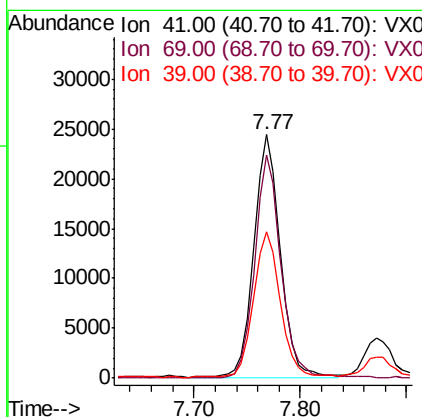
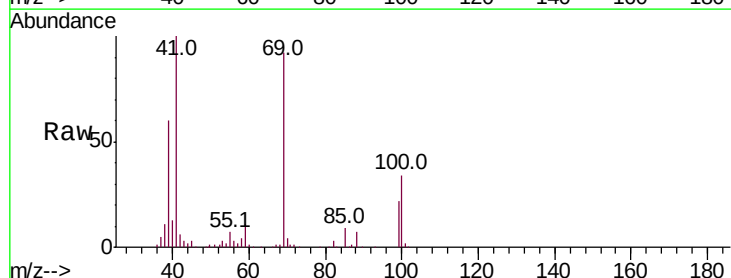
RT: 7.77 min Scan# 1085

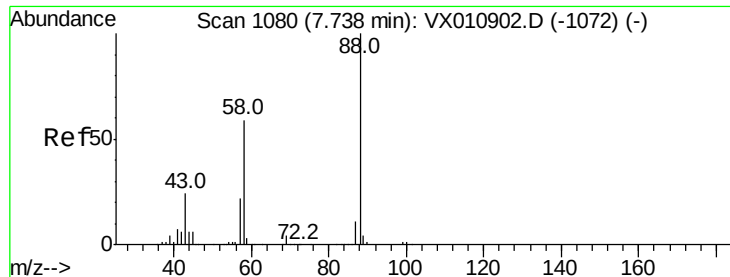
Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion:	41	Resp:	42113
Ion	Ratio	Lower	Upper
41	100		
69	92.6	74.4	111.6
39	60.7	48.9	73.3





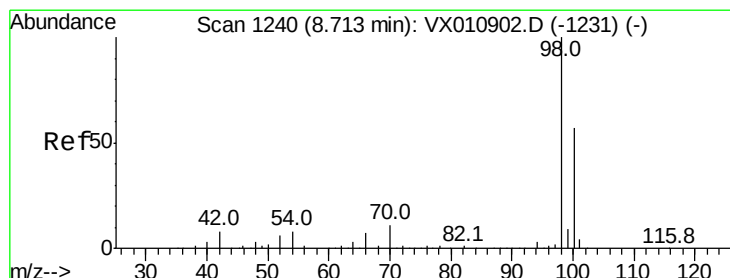
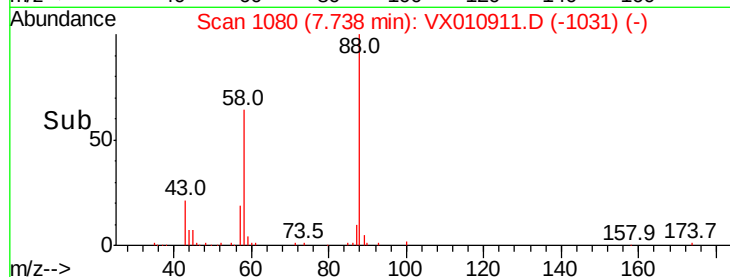
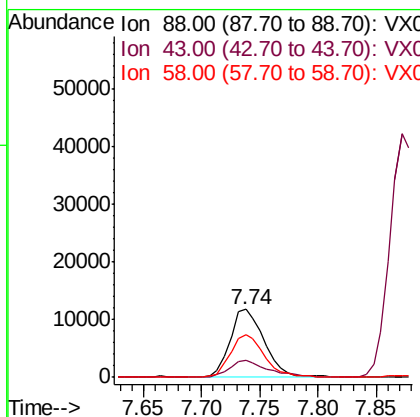
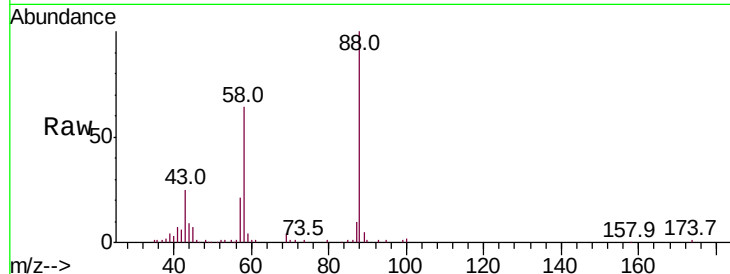
#49
1,4-Dioxane
Concen: 393.356 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.4	22.9	34.3
58	63.2	49.8	74.8

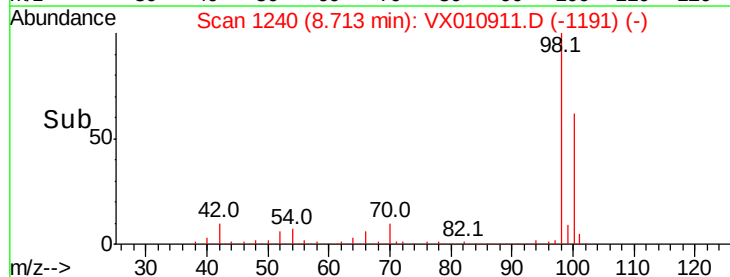
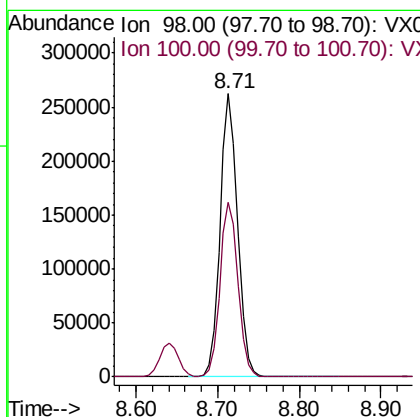
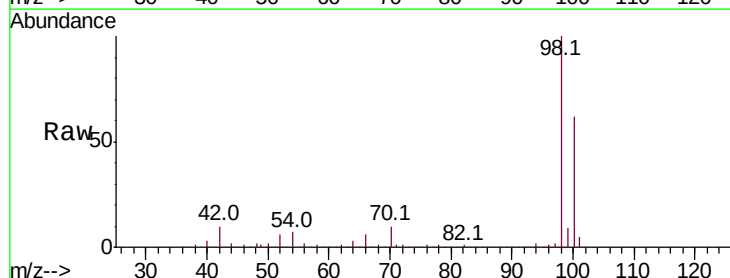
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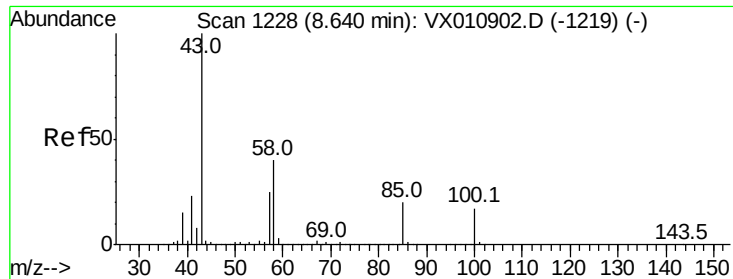
MMDadoda
7/17/2019 10:45:48 AM



#50
Toluene-d8
Concen: 50.195 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.6	75.8





#51

4-Methyl-2-Pentanone

Concen: 98.417 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 43 Resp: 290188

Ion Ratio Lower Upper

43 100

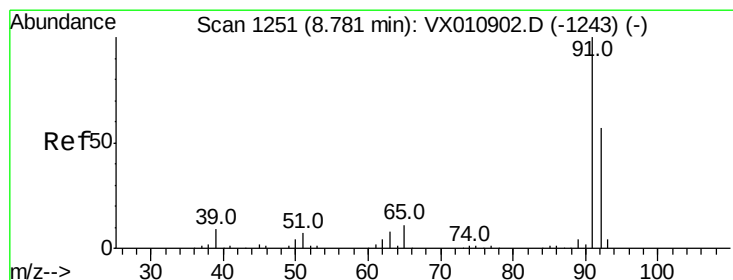
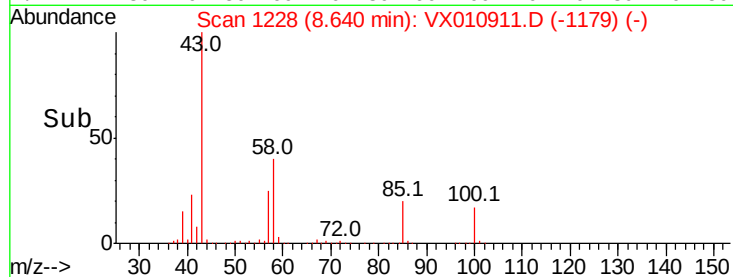
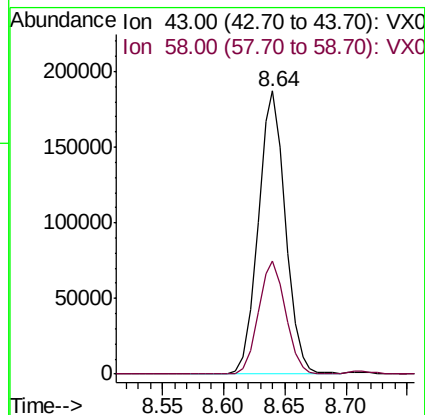
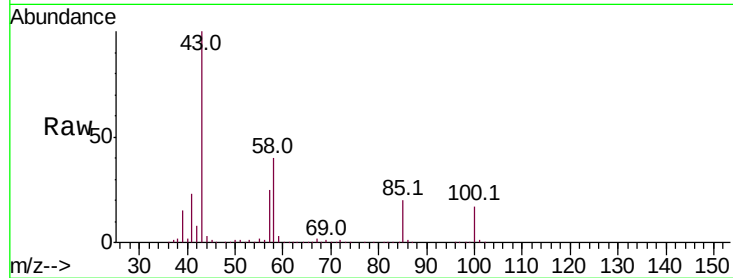
58 40.1 32.2 48.4

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#52

Toluene

Concen: 19.415 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX010911.D

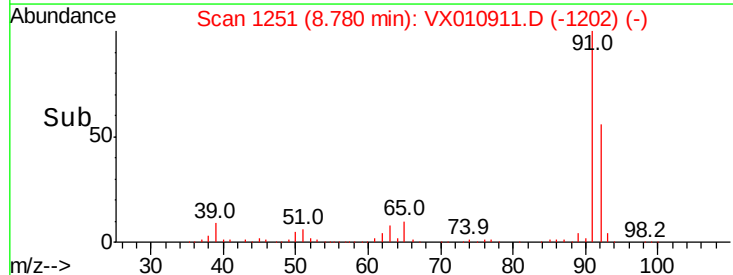
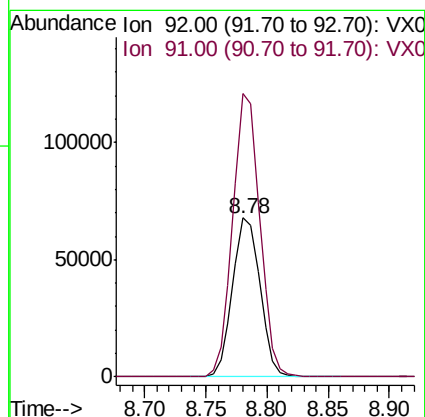
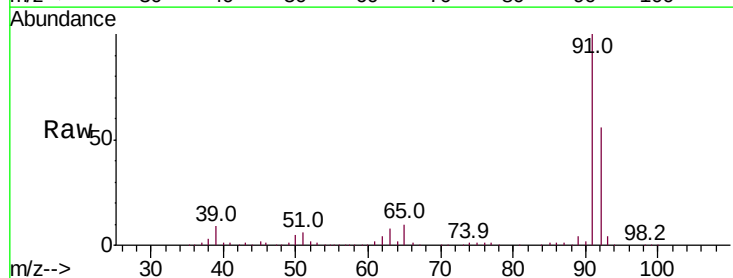
Acq: 16 Jul 2019 17:05

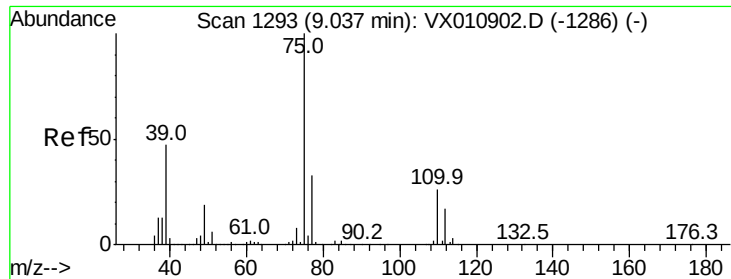
Tgt Ion: 92 Resp: 105544

Ion Ratio Lower Upper

92 100

91 175.4 139.4 209.0





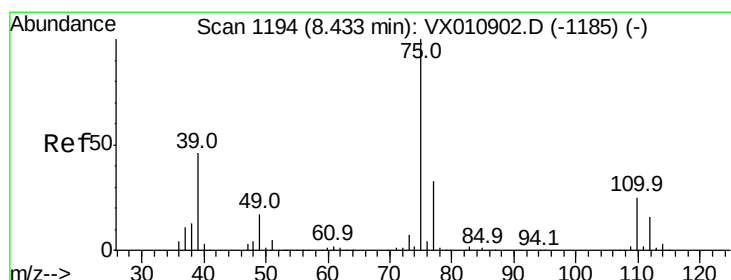
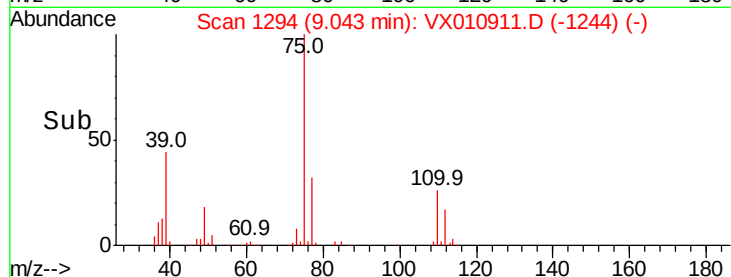
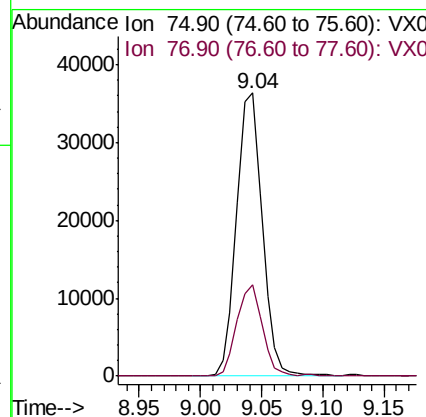
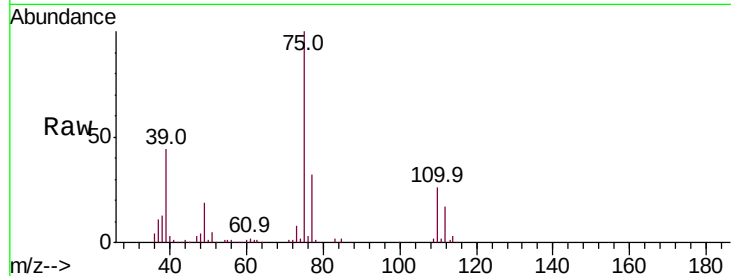
#53
 t-1,3-Dichloropropene
 Concen: 18.381 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.01 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion: 75 Resp: 52949
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.2

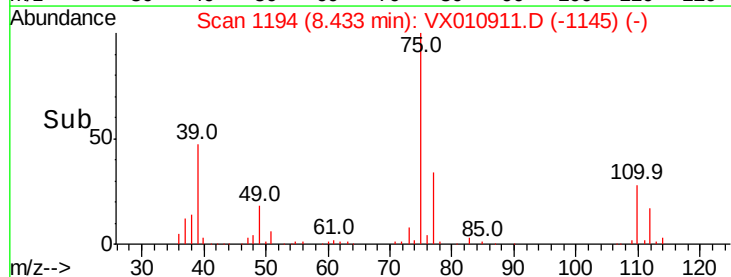
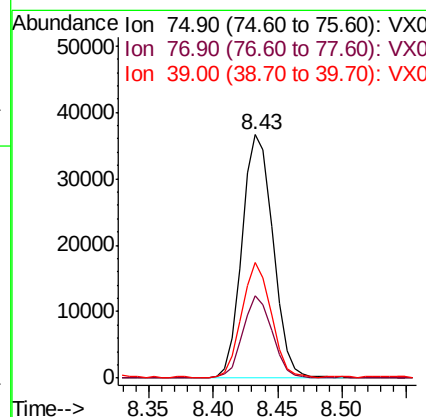
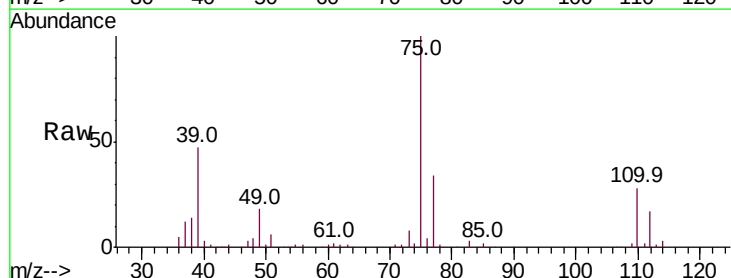
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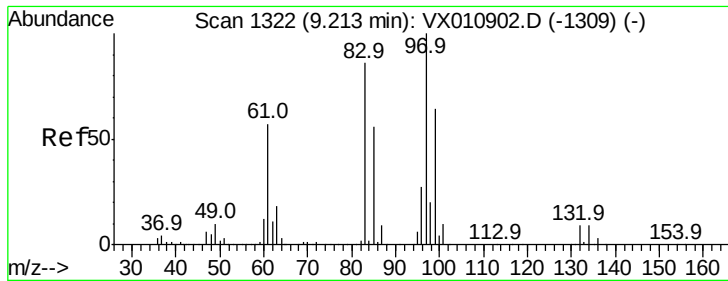
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.084 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Tgt Ion: 75 Resp: 61174
 Ion Ratio Lower Upper
 75 100
 77 33.9 26.1 39.1
 39 47.2 36.6 54.8





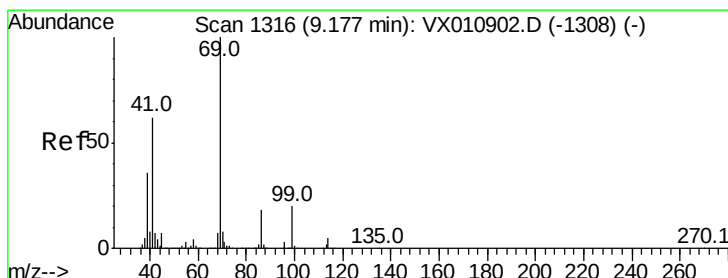
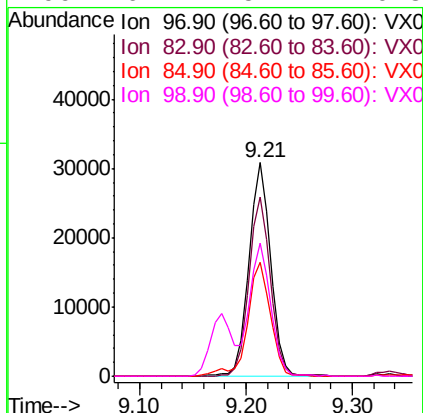
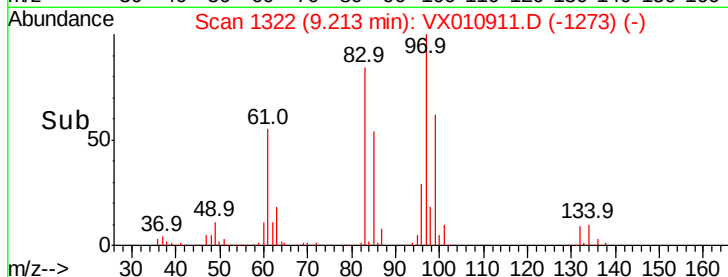
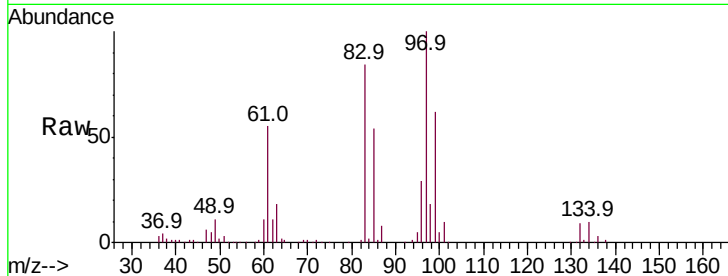
#55
 1,1,2-Trichloroethane
 Concen: 19.778 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion:	97	Resp:	44270
Ion	Ratio	Lower	Upper
97	100		
83	84.1	69.2	103.8
85	53.6	44.6	66.8
99	62.4	51.2	76.8

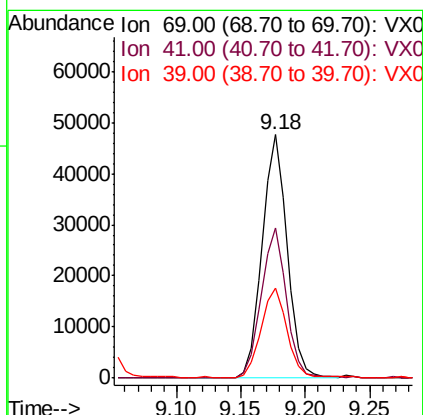
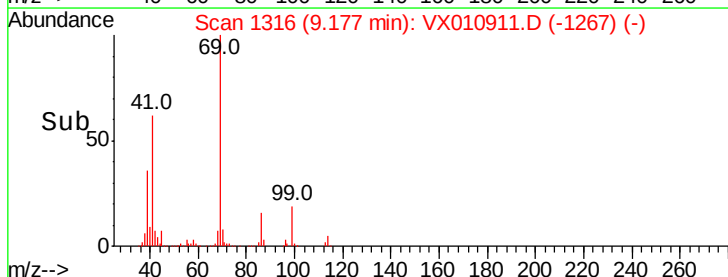
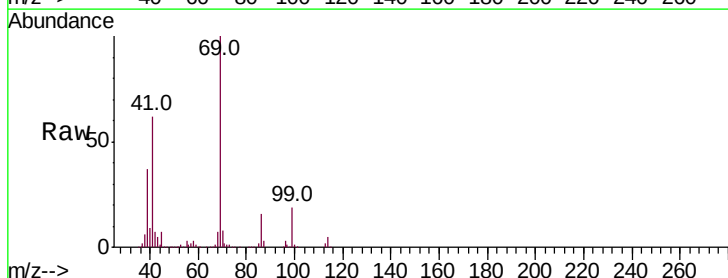
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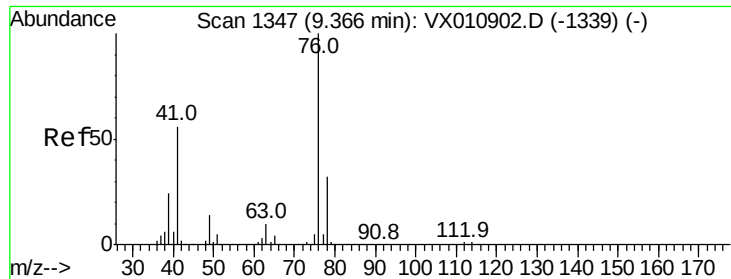
MMDadoda
 7/17/2019 10:45:48 AM



#56
 Ethyl methacrylate
 Concen: 19.440 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Tgt Ion:	69	Resp:	63651
Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.7	74.5
39	38.4	29.6	44.4





#57

1,3-Dichloropropane

Concen: 19.390 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.01 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 76 Resp: 68852

Ion Ratio Lower Upper

76 100

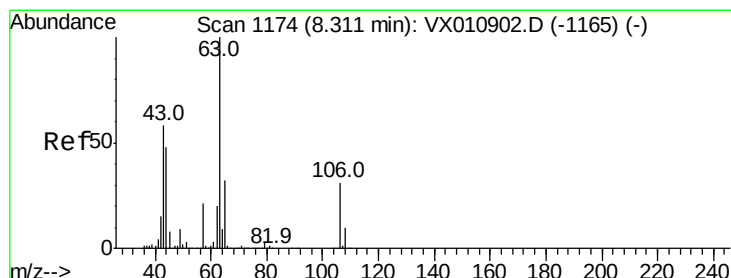
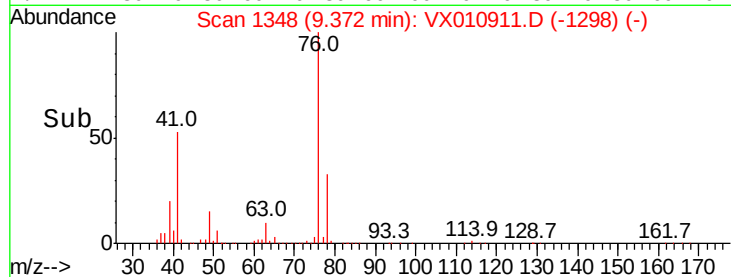
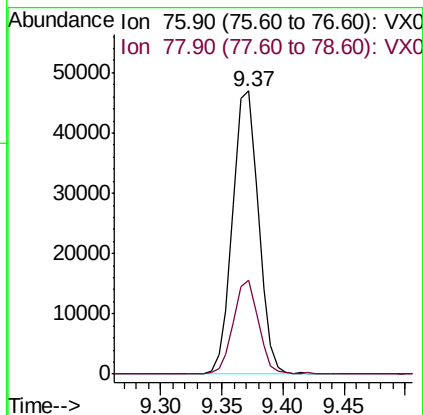
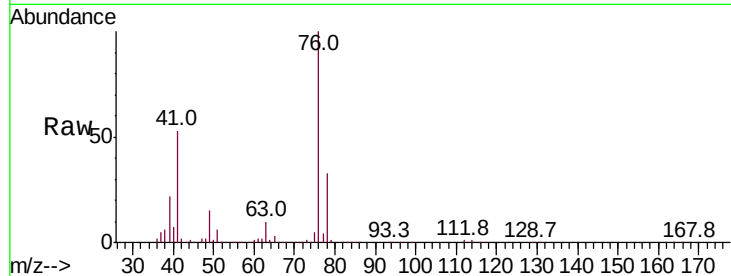
78 32.3 25.6 38.4

Manual Integrations

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MMDadoda

7/17/2019 10:45:48 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.504 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX010911.D

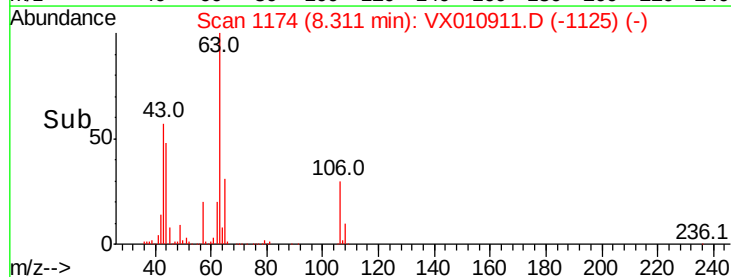
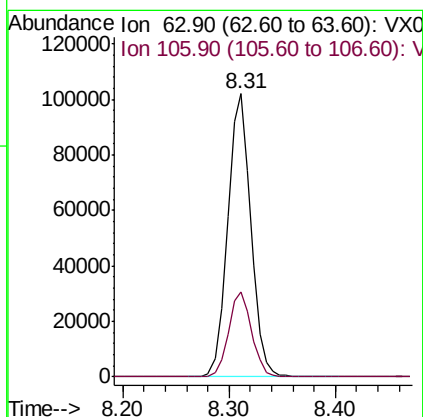
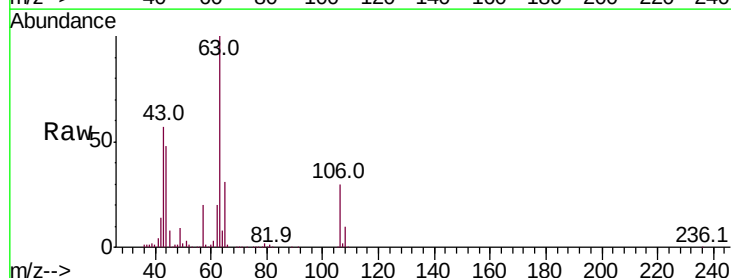
Acq: 16 Jul 2019 17:05

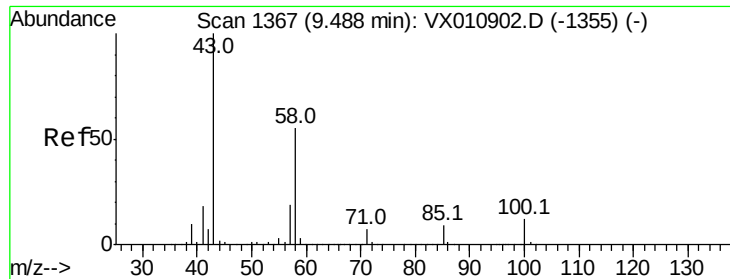
Tgt Ion: 63 Resp: 155521

Ion Ratio Lower Upper

63 100

106 30.0 24.0 36.0





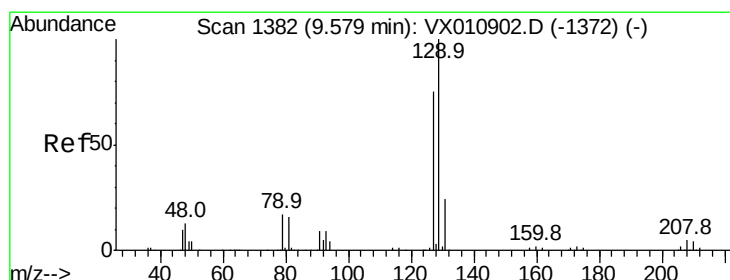
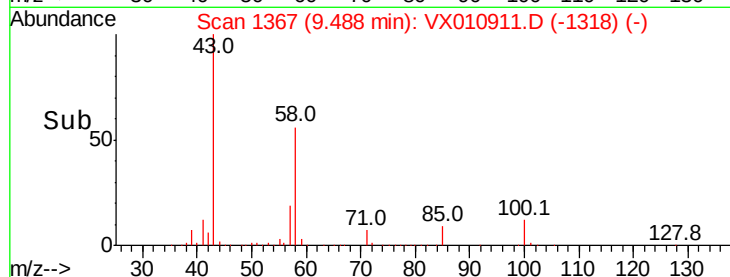
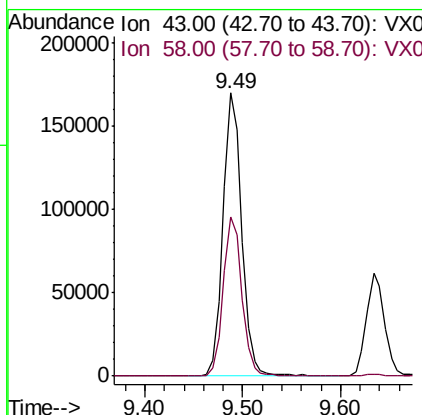
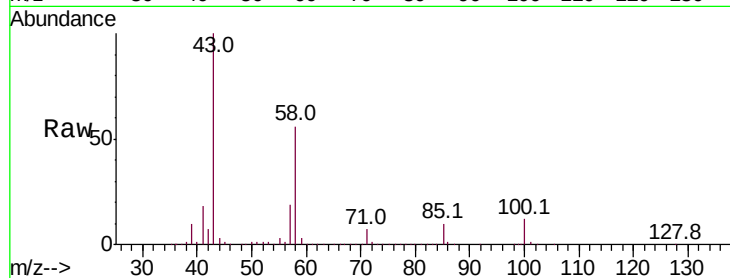
#59
2-Hexanone
Concen: 98.875 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion: 43 Resp: 226121
Ion Ratio Lower Upper
43 100
58 56.1 28.0 83.9

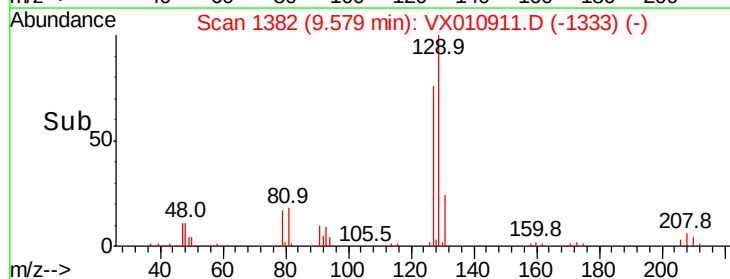
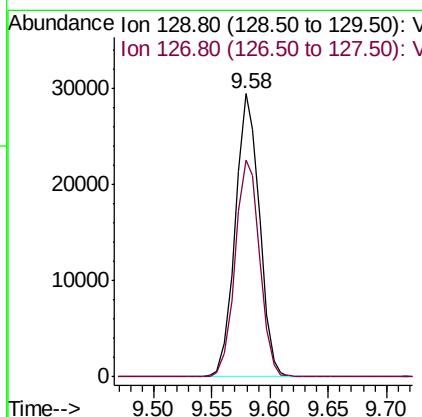
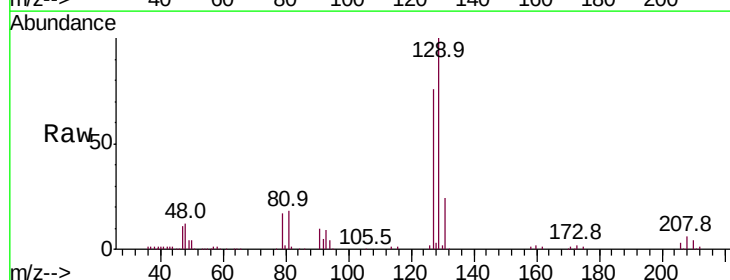
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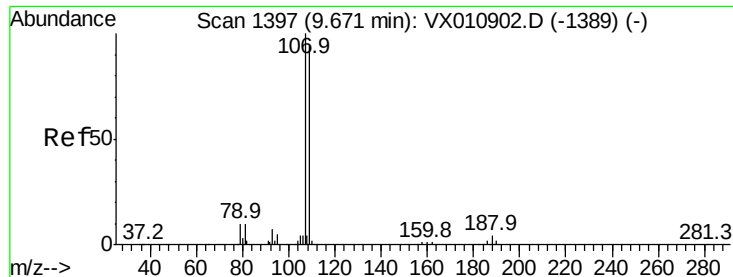
MMDadoda
7/17/2019 10:45:48 AM



#60
Dibromochloromethane
Concen: 18.255 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion: 129 Resp: 42673
Ion Ratio Lower Upper
129 100
127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 19.816 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:107 Resp: 47072

Ion Ratio Lower Upper

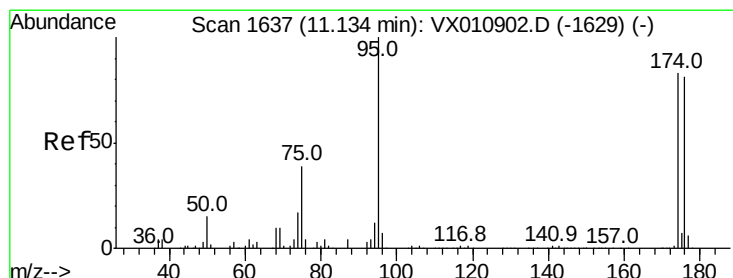
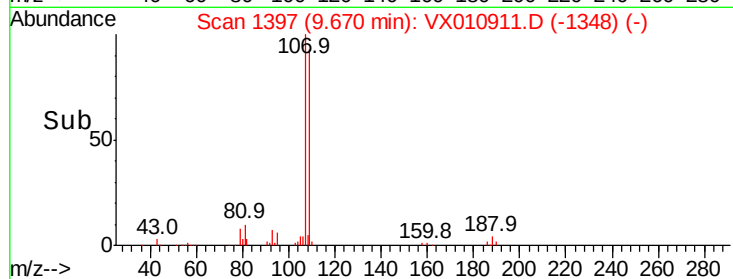
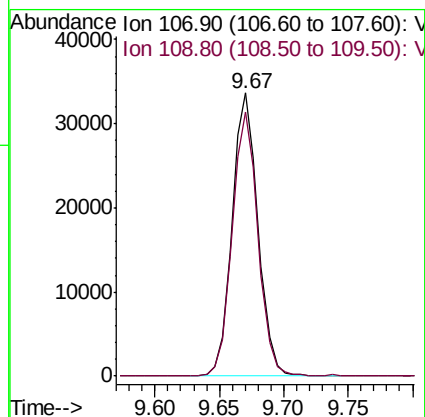
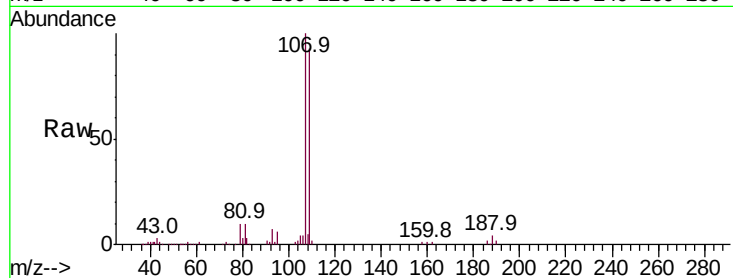
107 100

109 93.8 75.4 113.0

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MMDadoda

7/17/2019 10:45:48 AM



#62

4-Bromofluorobenzene

Concen: 48.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

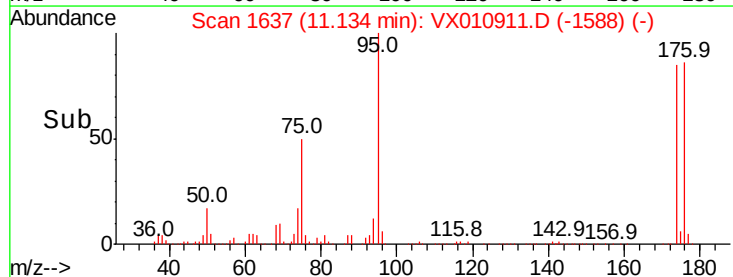
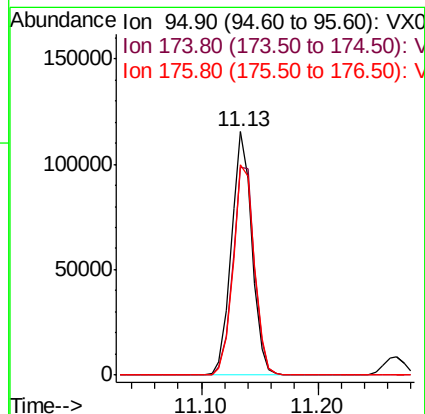
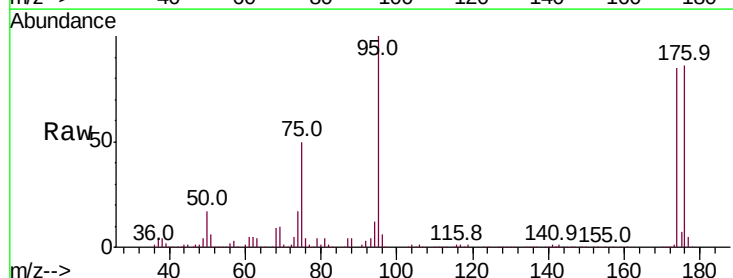
Tgt Ion: 95 Resp: 140836

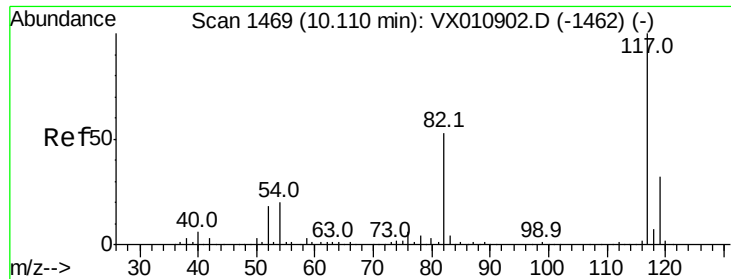
Ion Ratio Lower Upper

95 100

174 90.4 0.0 180.6

176 89.3 0.0 173.8





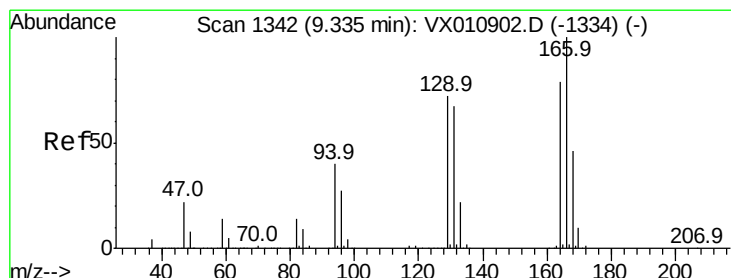
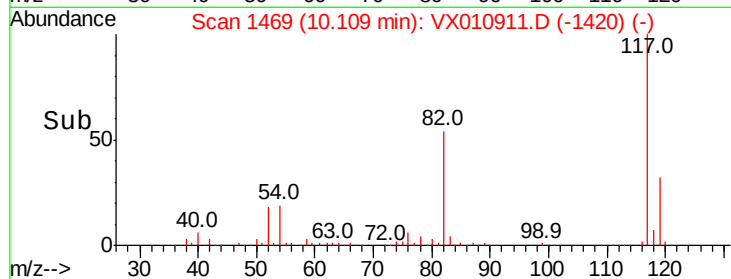
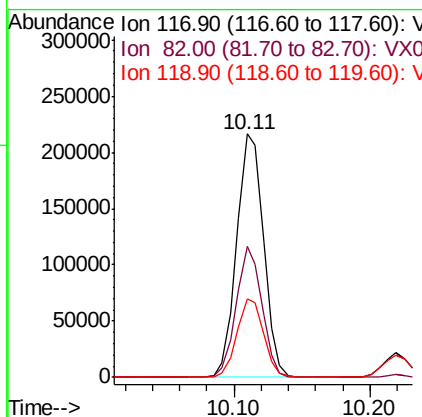
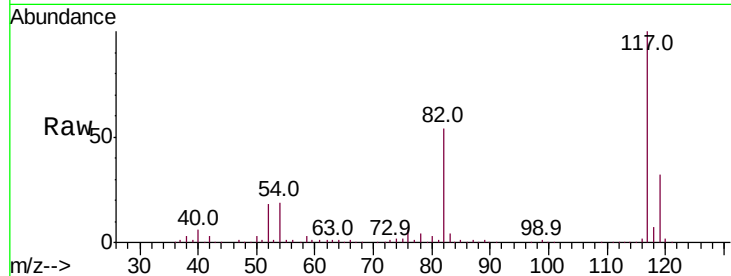
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	297996		
82	54.0		42.6	63.8
119	32.2		25.9	38.9

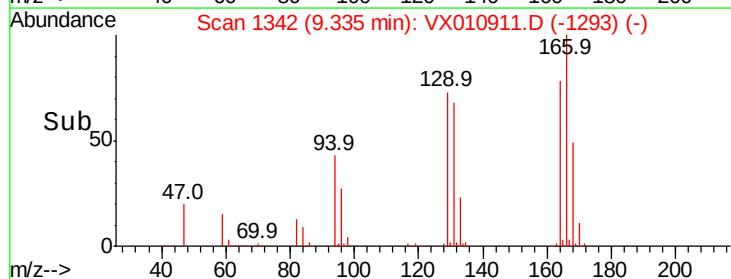
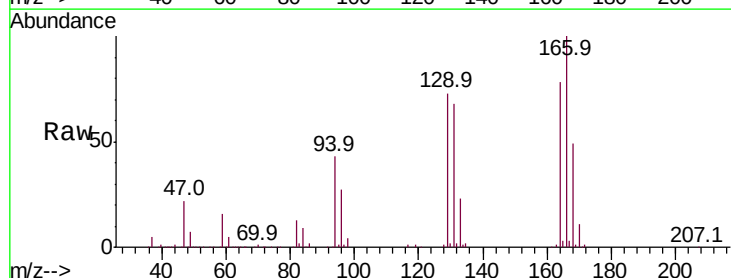
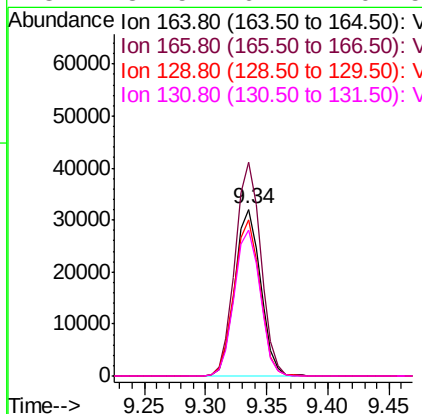
Manual Integrations
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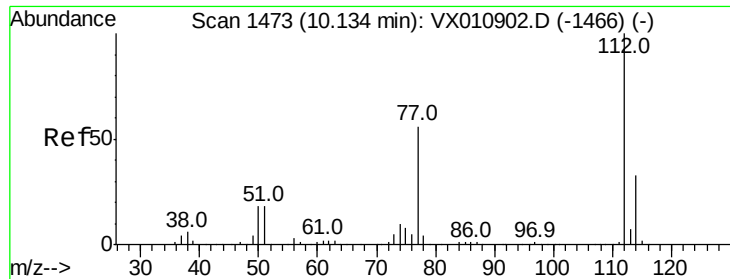
MMDadoda
7/17/2019 10:45:48 AM



#64
Tetrachloroethene
Concen: 19.876 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	46596		
166	128.3		100.8	151.2
129	94.0		72.6	109.0
131	87.5		67.7	101.5





#65

Chlorobenzene

Concen: 19.377 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:112 Resp: 118599

Ion Ratio Lower Upper

112 100

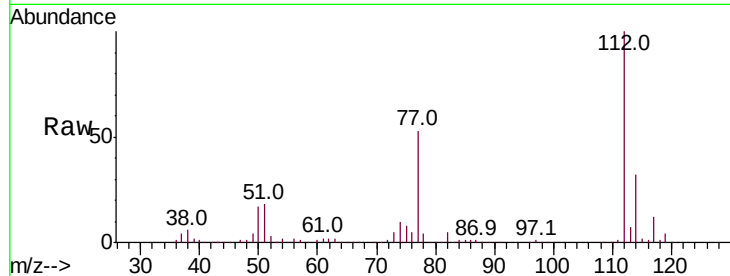
114 32.4 26.2 39.4

Manual Integrations

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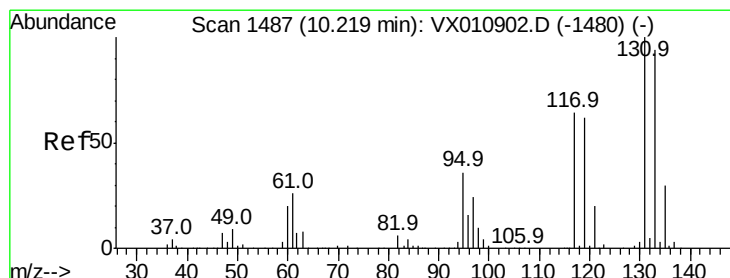
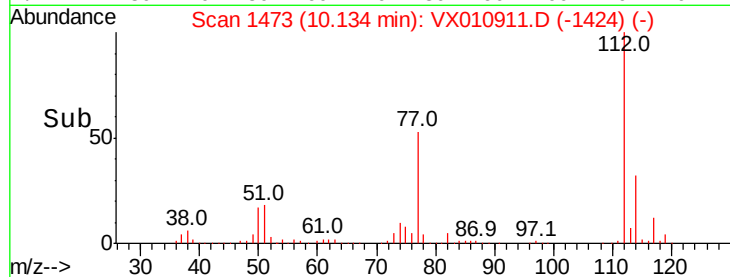
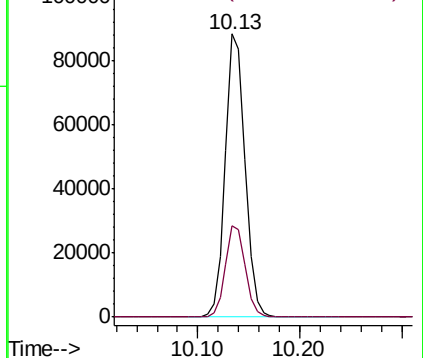
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.112 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

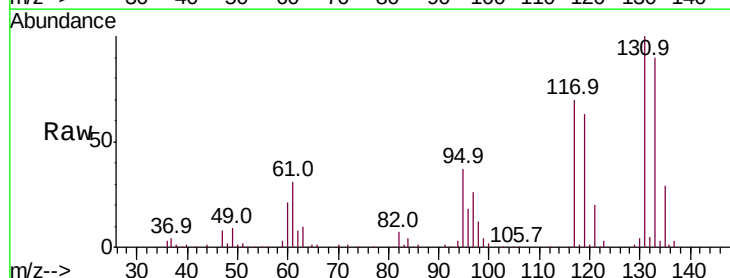
Tgt Ion:131 Resp: 41112

Ion Ratio Lower Upper

131 100

133 95.0 47.1 141.4

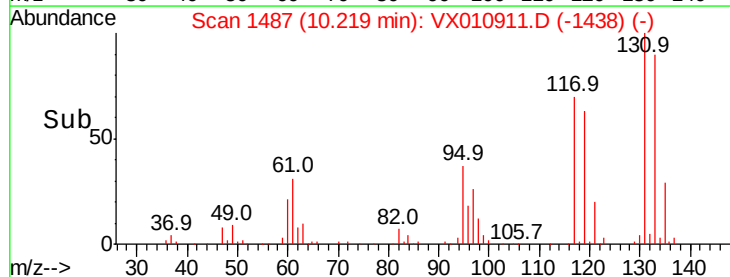
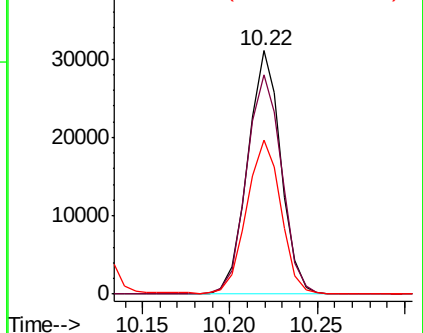
119 65.8 31.9 95.7

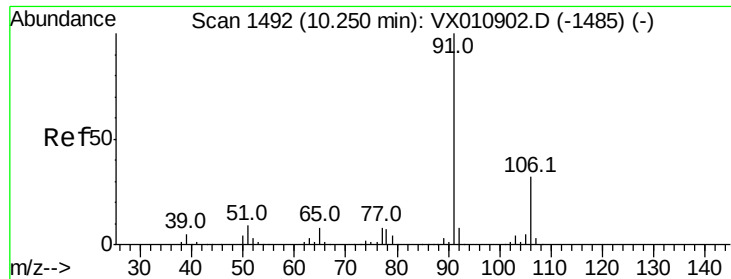


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.402 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 91 Resp: 202130

Ion Ratio Lower Upper

91 100

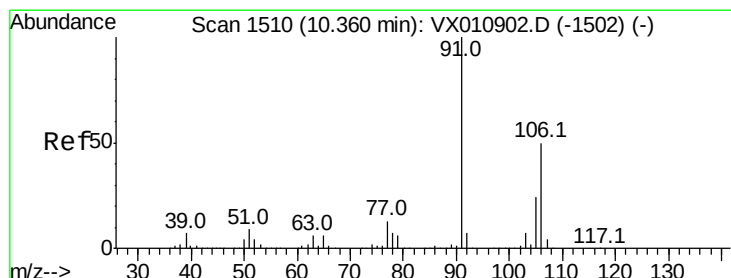
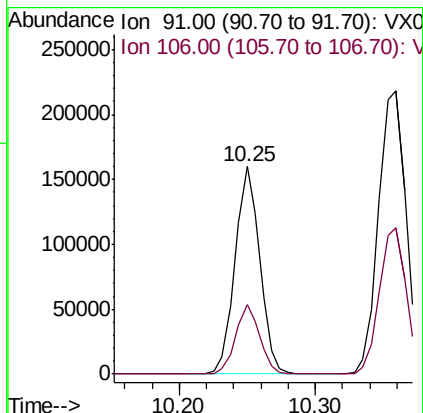
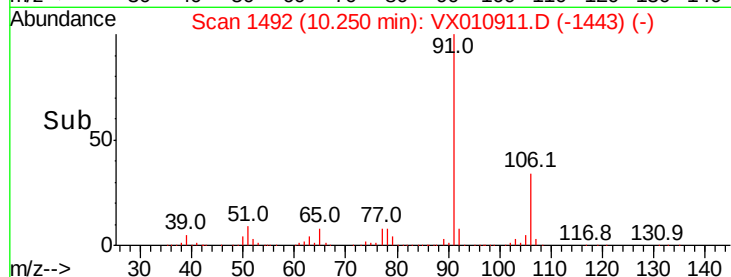
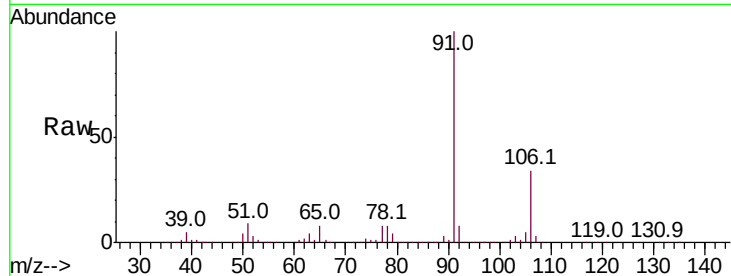
106 33.7 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.990 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX010911.D

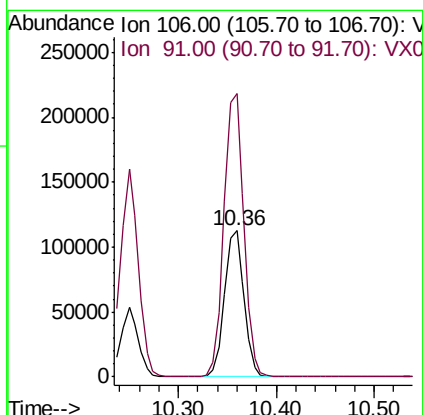
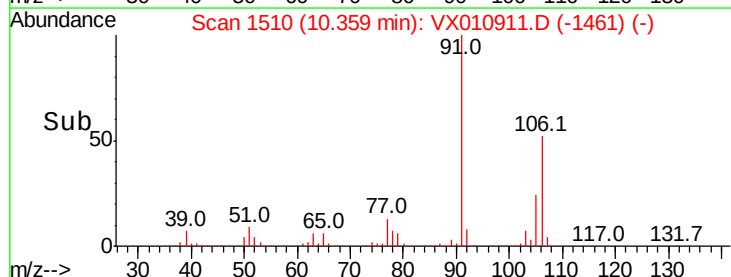
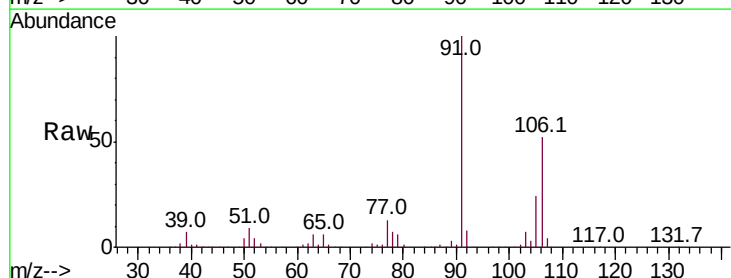
Acq: 16 Jul 2019 17:05

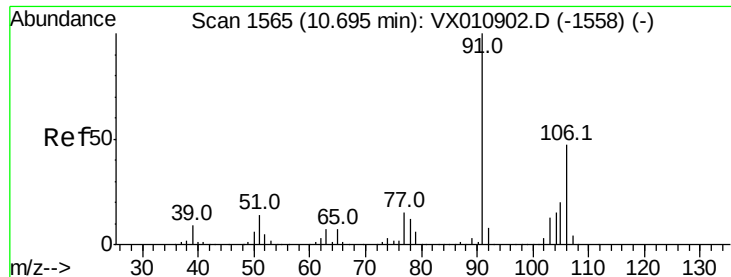
Tgt Ion: 106 Resp: 155814

Ion Ratio Lower Upper

106 100

91 197.6 160.1 240.1





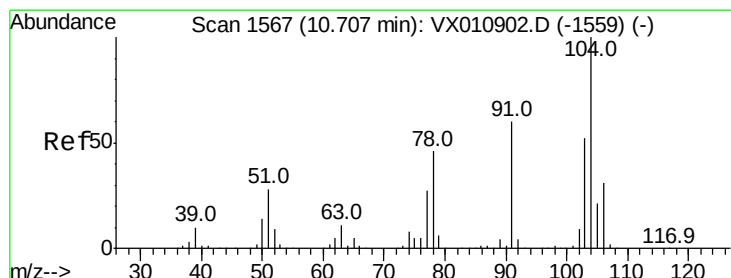
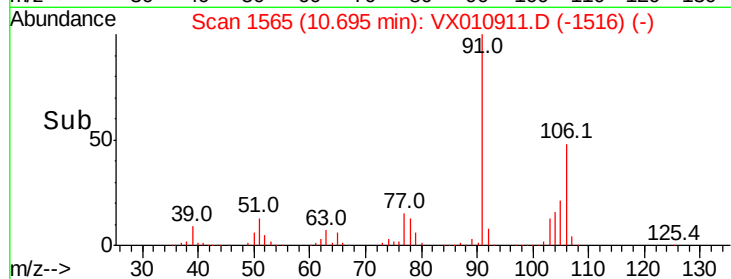
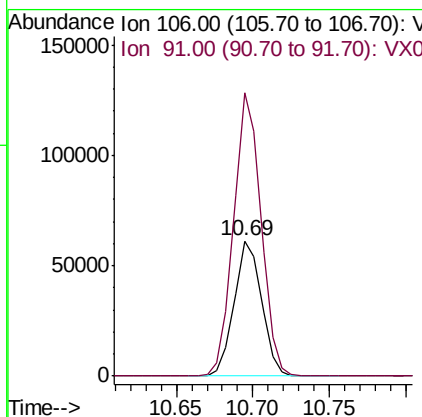
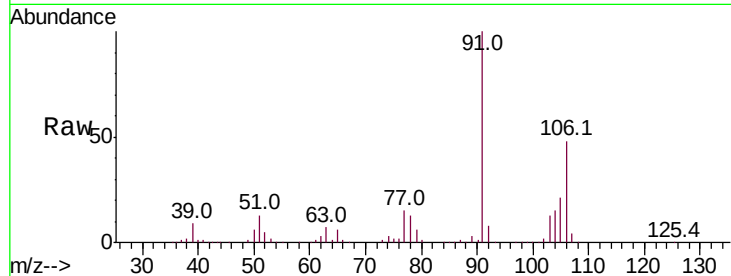
#69
o-Xylene
Concen: 19.639 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampled :
VX0716WBS01

Tot Ion:106 Resp: 76596
Ion Ratio Lower Upper
106 100
91 208.5 105.1 315.3

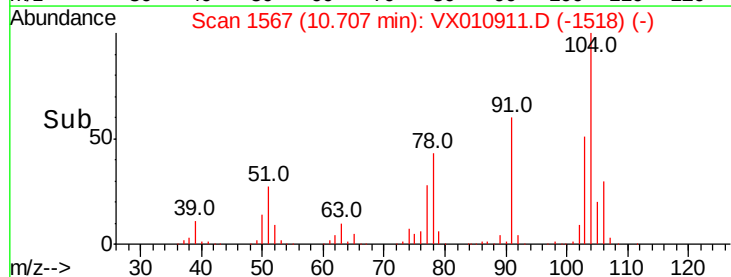
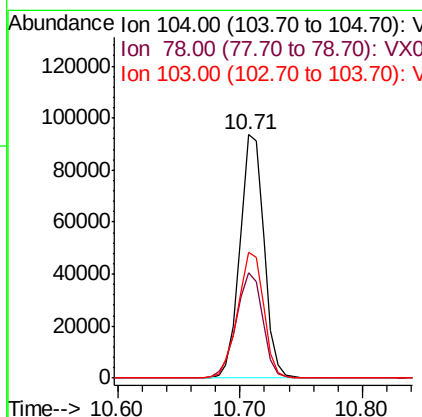
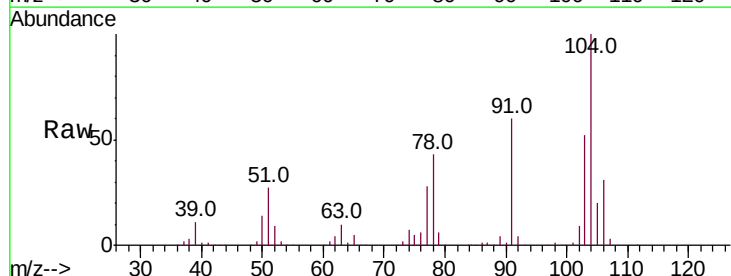
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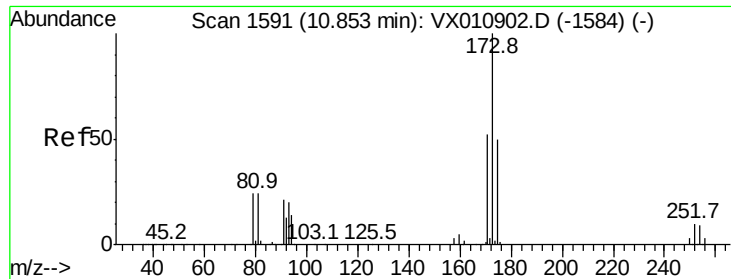
MMDadoda
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#70
Styrene
Concen: 19.540 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion:104 Resp: 127040
Ion Ratio Lower Upper
104 100
78 47.8 38.8 58.2
103 55.8 44.2 66.4





#71

Bromoform

Concen: 17.420 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:173 Resp: 30691

Ion Ratio Lower Upper

173 100

175 49.2 24.6 73.6

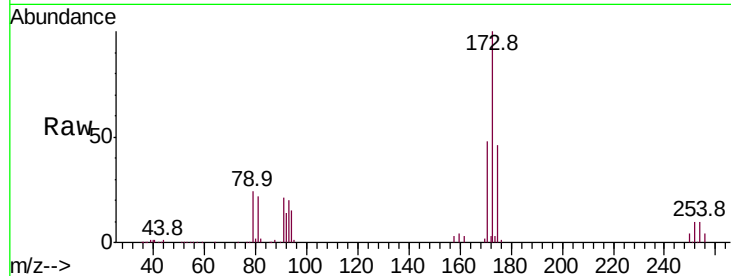
254 0.0 0.1 0.1#

Manual Integrations

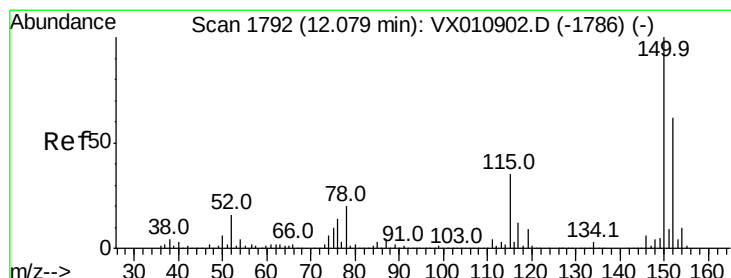
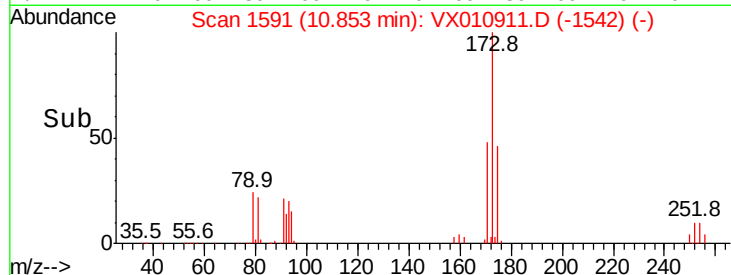
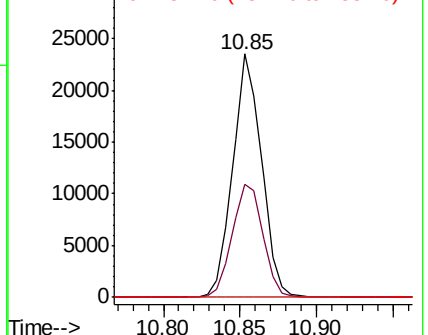
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

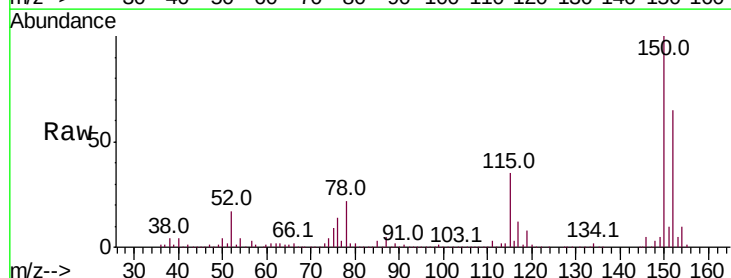
Tgt Ion:152 Resp: 151301

Ion Ratio Lower Upper

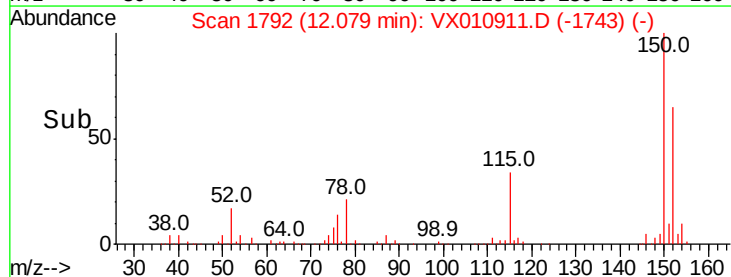
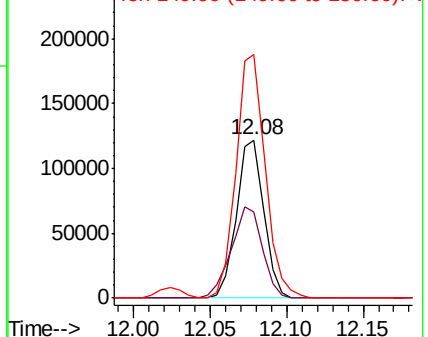
152 100

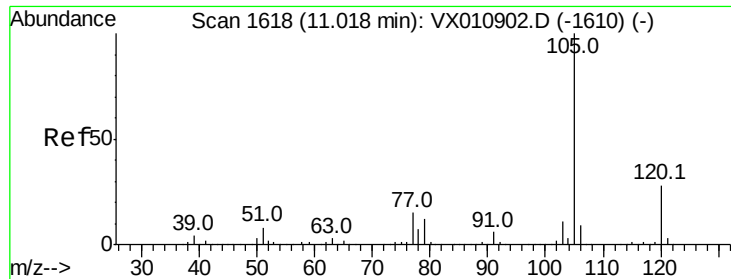
115 65.1 39.7 119.1

150 163.9 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: 20.025 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:105 Resp: 204727

Ion Ratio Lower Upper

105 100

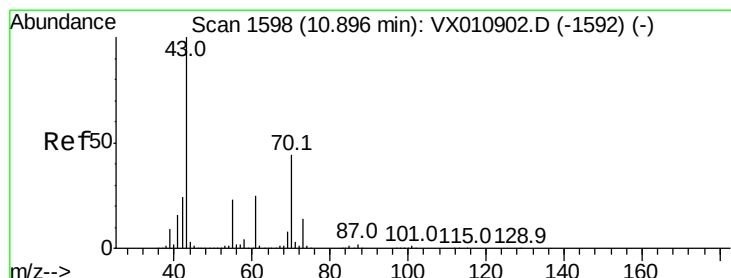
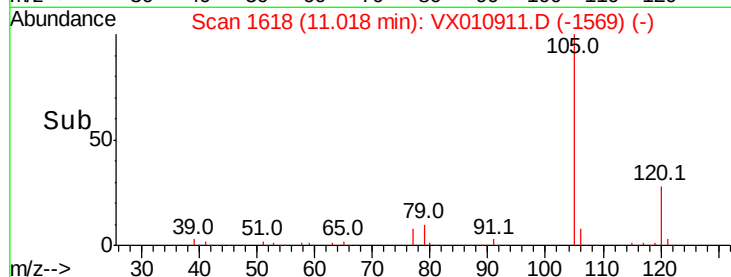
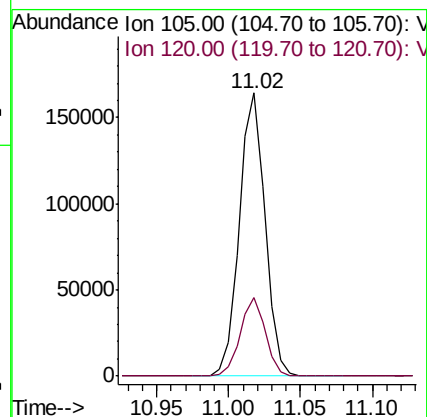
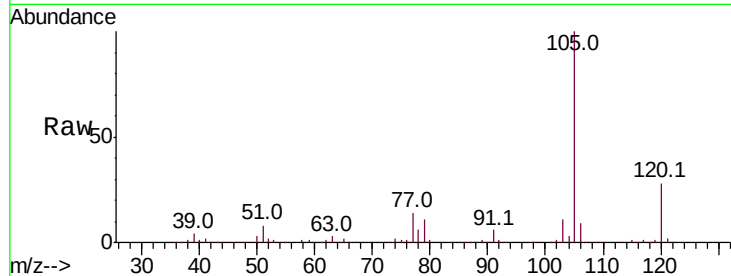
120 27.2 13.7 41.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.539 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion: 43 Resp: 76323

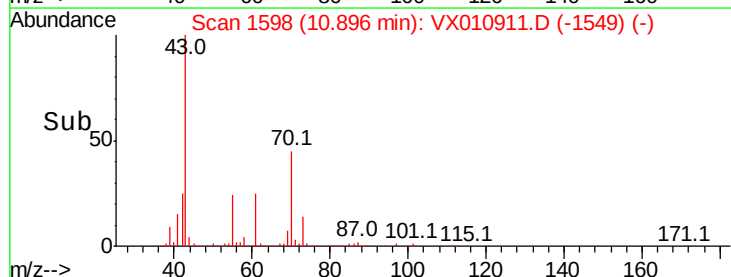
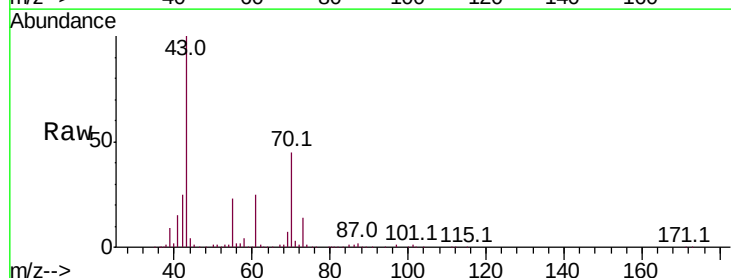
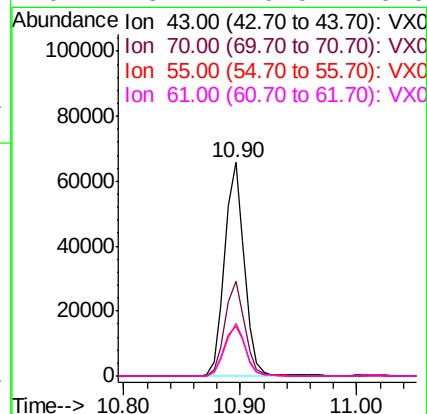
Ion Ratio Lower Upper

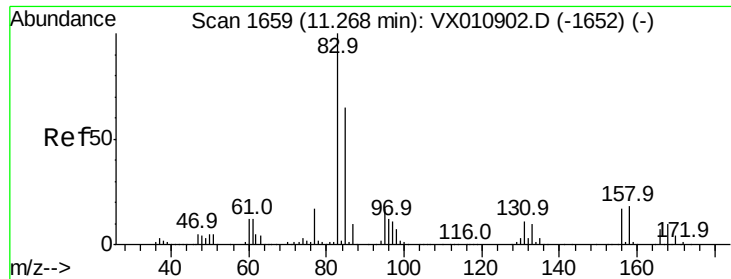
43 100

70 44.8 34.7 52.1

55 25.8 19.1 28.7

61 25.1 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.124 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

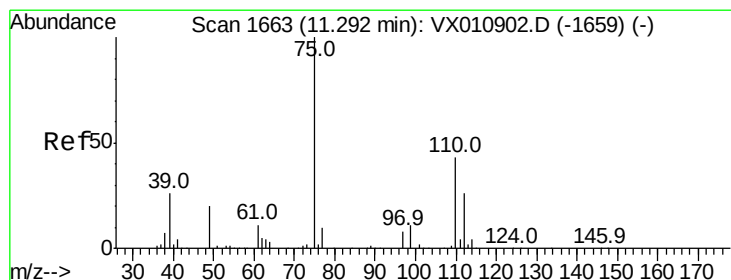
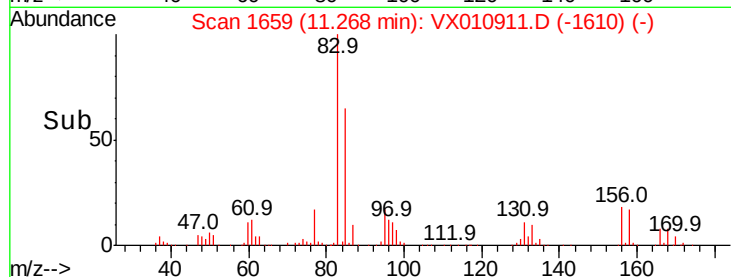
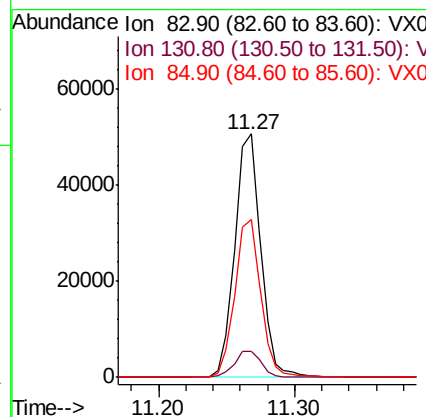
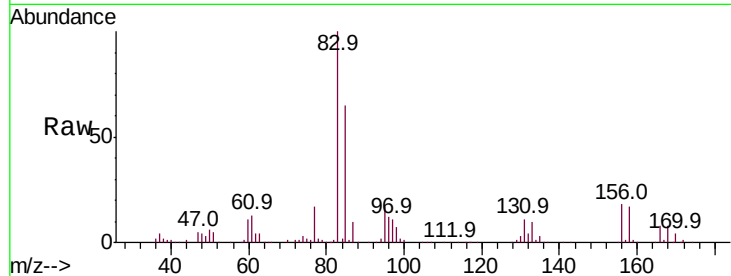
ClientSampleId :

VX0716WBS01

Tot Ion:	83	Resp:	67329
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	65.2	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.496 ug/l m

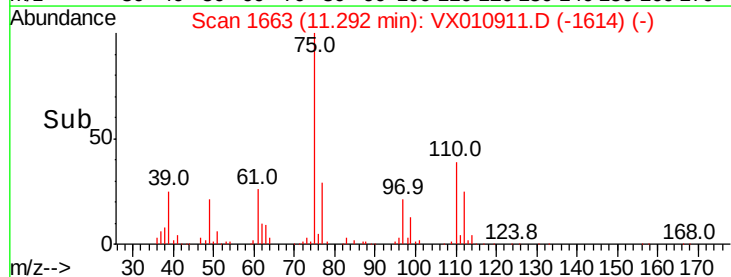
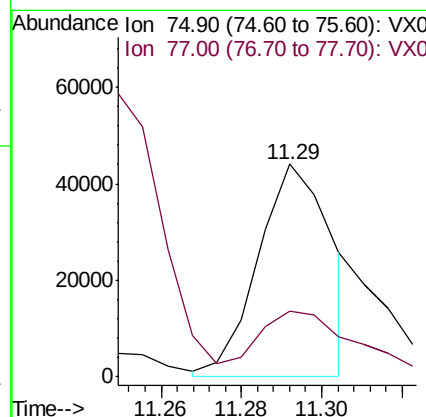
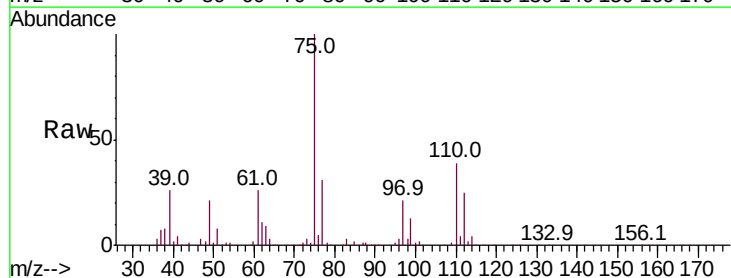
RT: 11.29 min Scan# 1663

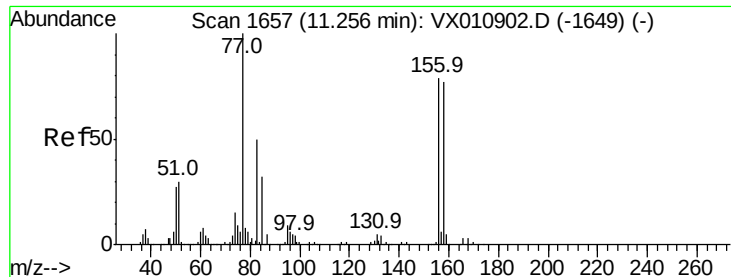
Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion:	75	Resp:	55959
Ion	Ratio	Lower	Upper
75	100		
77	41.8	21.3	64.0





#77

Bromobenzene

Concen: 19.142 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:156 Resp: 53979

Ion Ratio Lower Upper

156 100

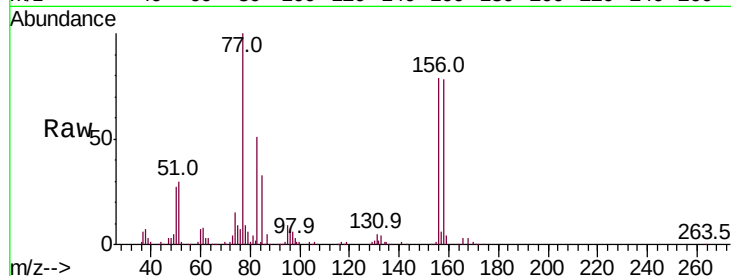
77 138.0 68.7 206.1

158 97.9 47.9 143.7

Manual Integrations
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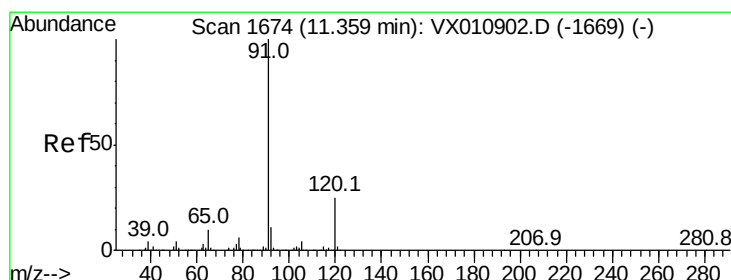
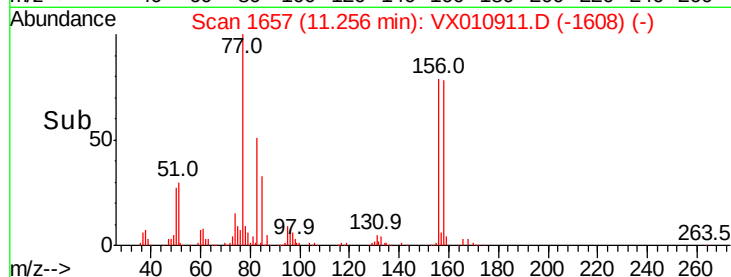
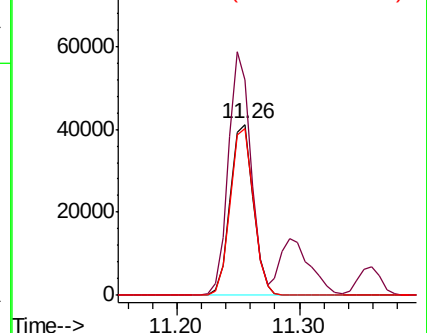
7/17/2019 10:45:48 AM



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: 19.695 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010911.D

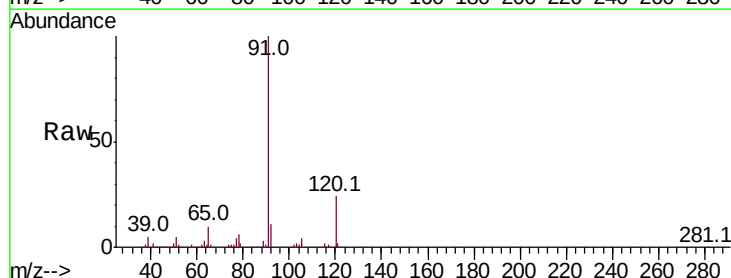
Acq: 16 Jul 2019 17:05

Tgt Ion: 91 Resp: 222471

Ion Ratio Lower Upper

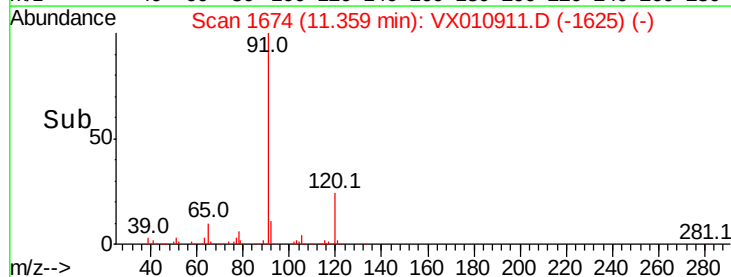
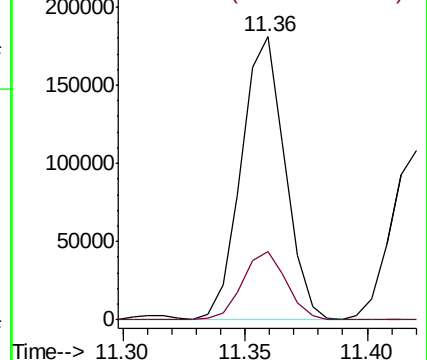
91 100

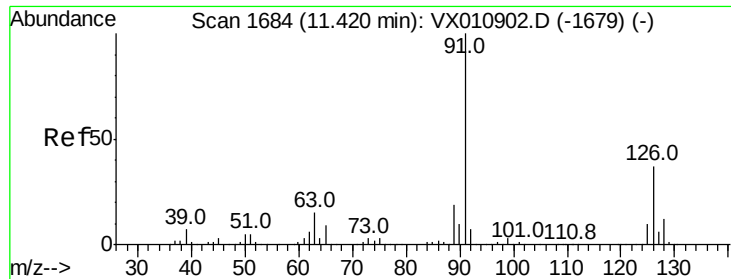
120 24.4 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.692 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 91 Resp: 133624

Ion Ratio Lower Upper

91 100

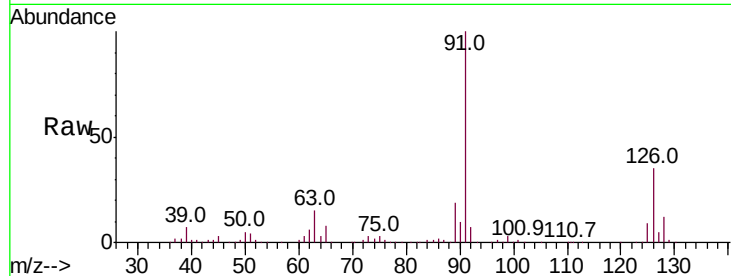
126 36.3 18.0 54.0

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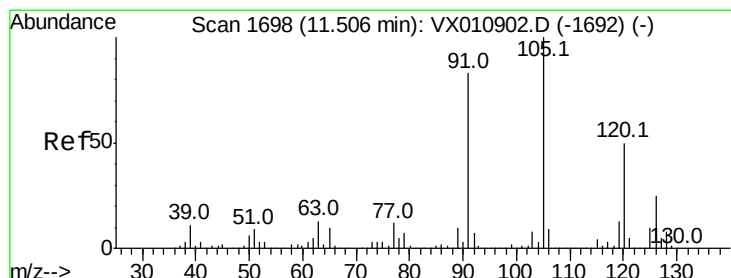
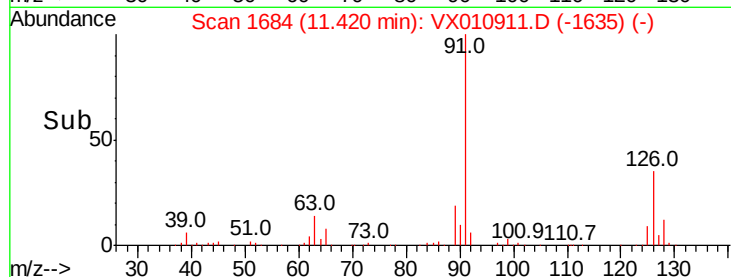
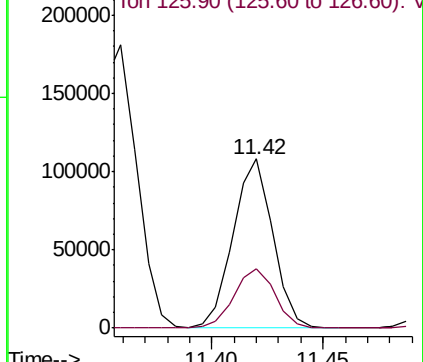
MMDadoda

7/17/2019 10:45:48 AM



Abundance Ion 91.00 (90.70 to 91.70): VX010902.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX010902.D (-1679) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.795 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010911.D

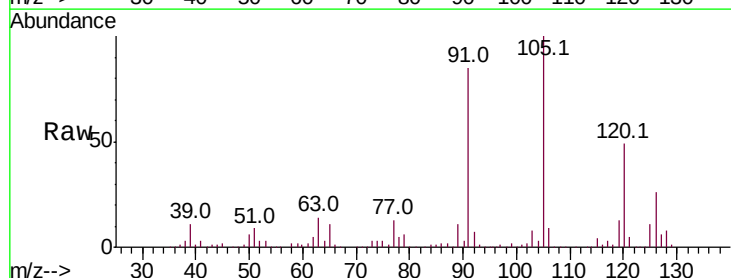
Acq: 16 Jul 2019 17:05

Tgt Ion:105 Resp: 169098

Ion Ratio Lower Upper

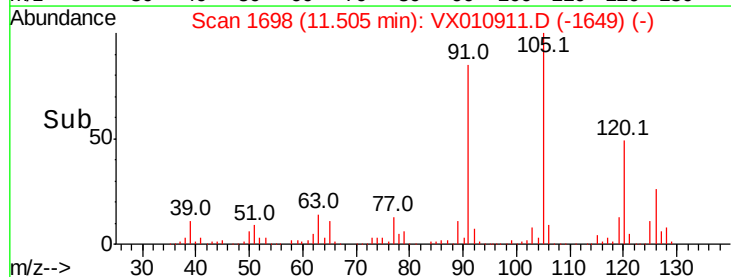
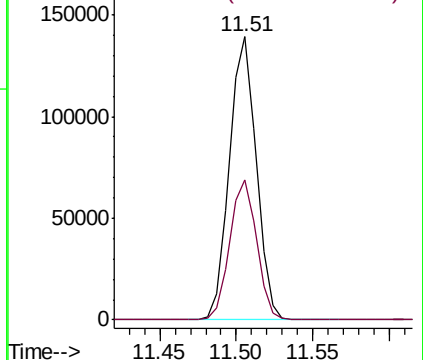
105 100

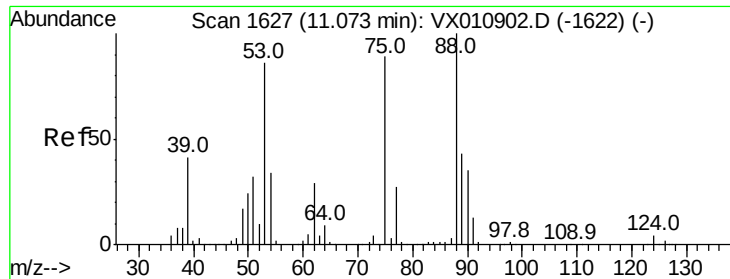
120 49.6 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VX010902.D (-1692) (-)

Ion 120.00 (119.70 to 120.70): VX010902.D (-1692) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.558 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 75 Resp: 17069

Ion Ratio Lower Upper

75 100

53 105.6 76.7 115.1

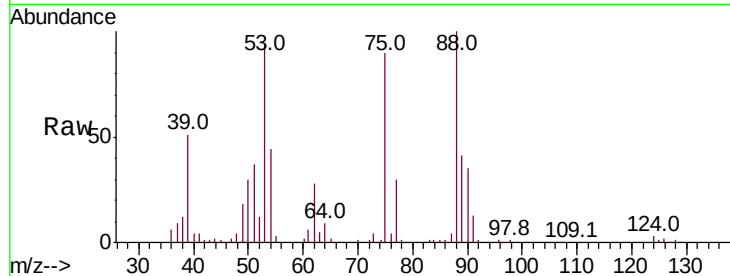
89 45.7 38.5 57.7

Manual Integrations

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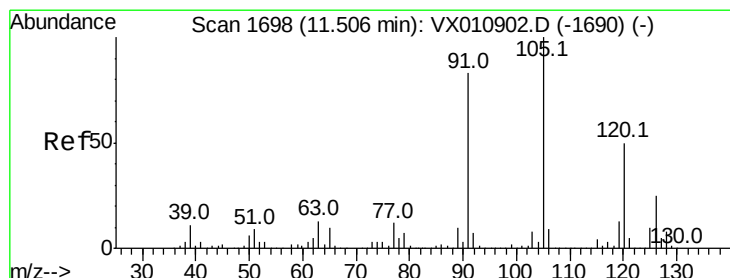
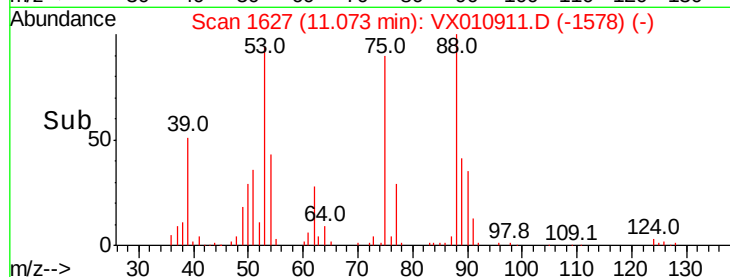
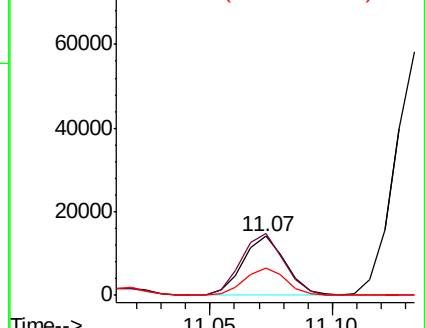
7/17/2019 10:45:48 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 19.445 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010911.D

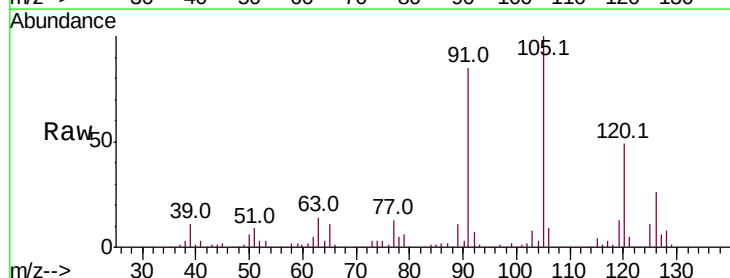
Acq: 16 Jul 2019 17:05

Tgt Ion: 91 Resp: 153578

Ion Ratio Lower Upper

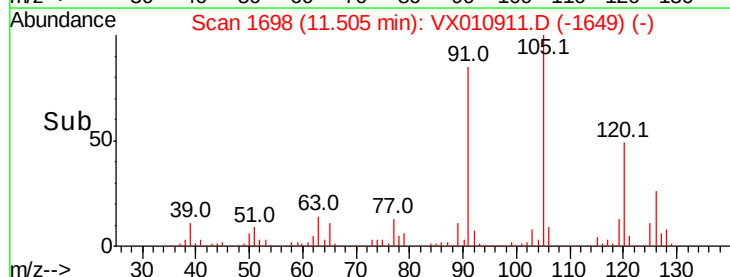
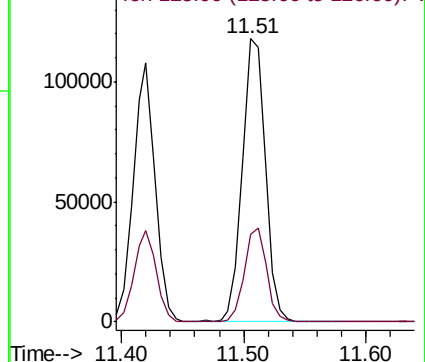
91 100

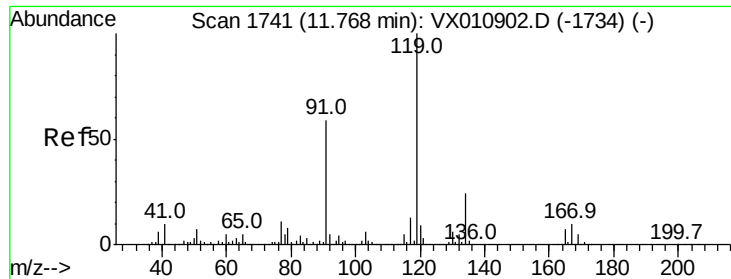
126 32.4 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.909 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

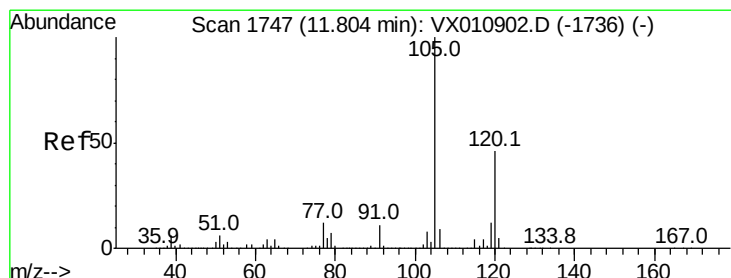
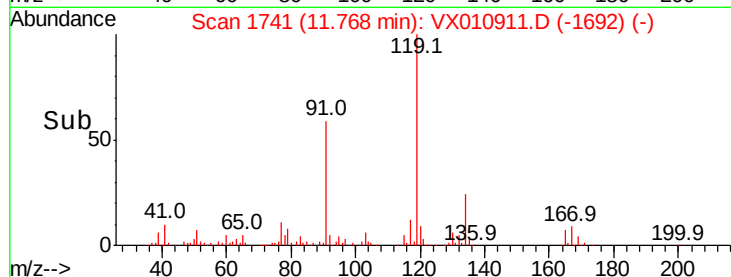
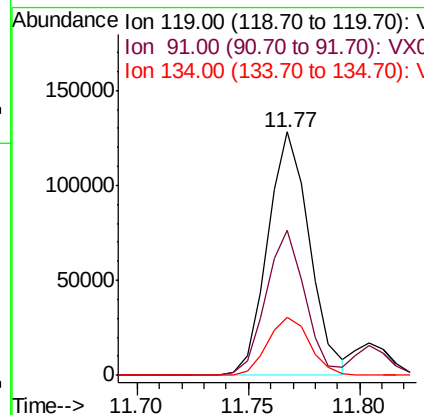
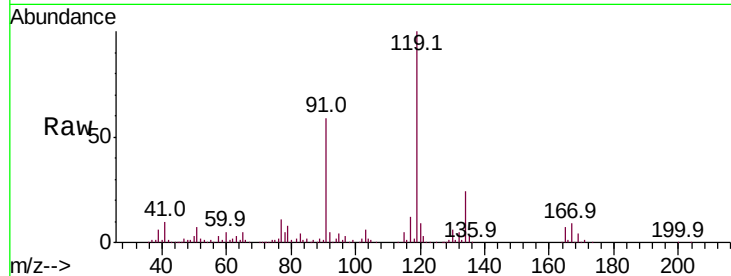
ClientSampleId :

VX0716WBS01

Tot Ion:	119	Resp:	167053
Ion Ratio	Lower	Upper	
119	100		
91	56.2	28.6	85.8
134	23.8	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 19.862 ug/l

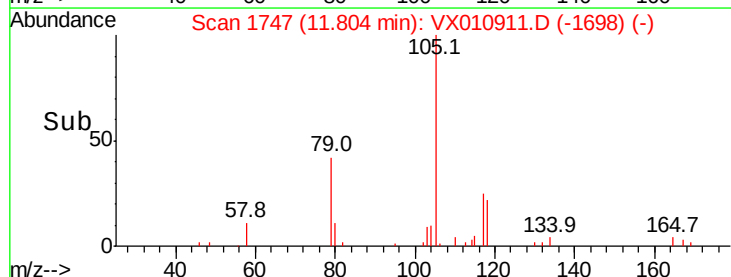
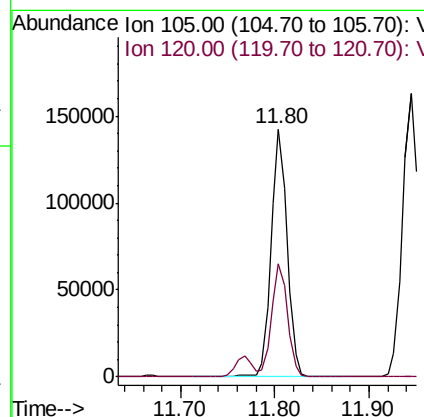
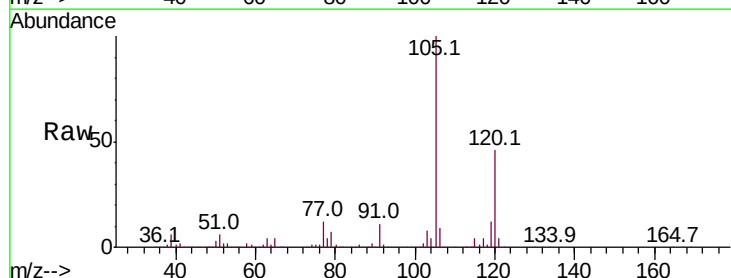
RT: 11.80 min Scan# 1747

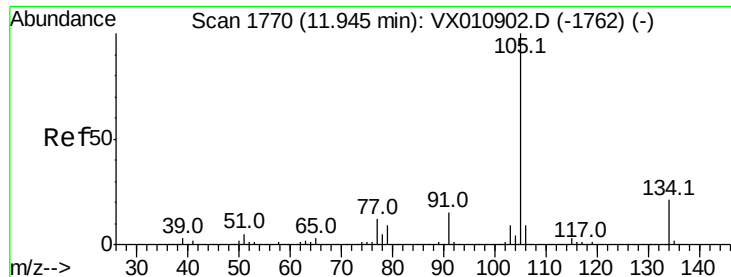
Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion:	105	Resp:	171014
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.9	68.5





#85

sec-Butylbenzene

Concen: 19.945 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:105 Resp: 196101

Ion Ratio Lower Upper

105 100

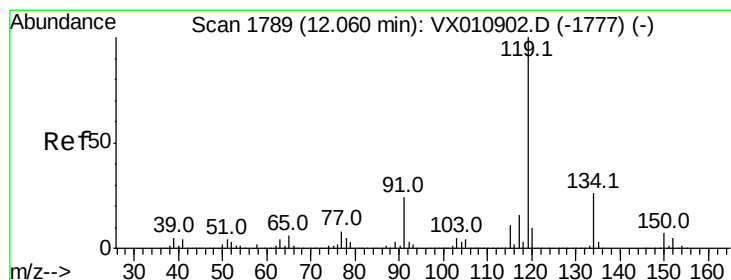
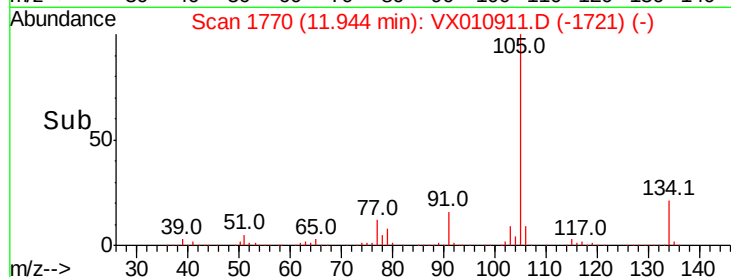
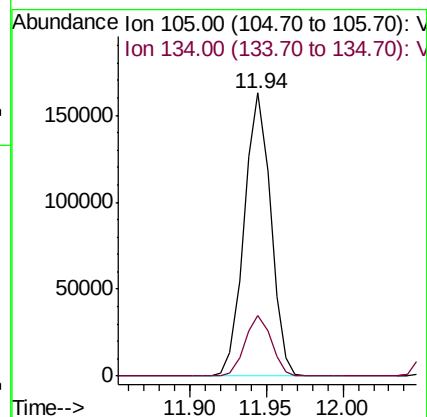
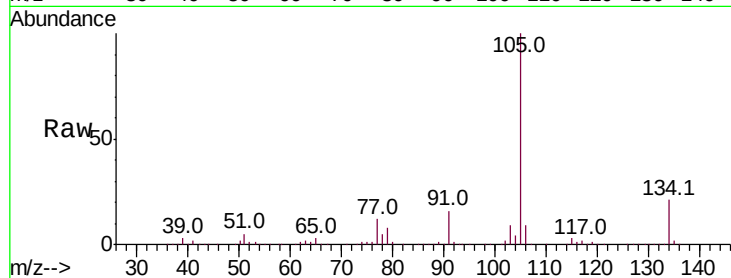
134 21.3 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.628 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

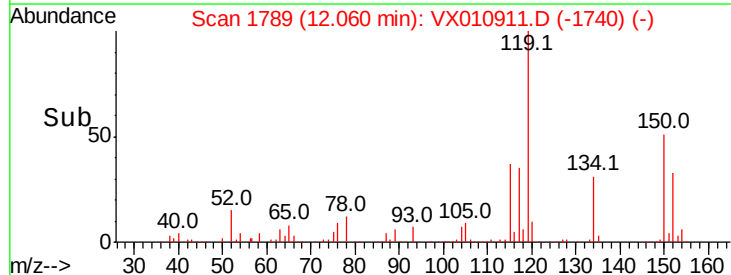
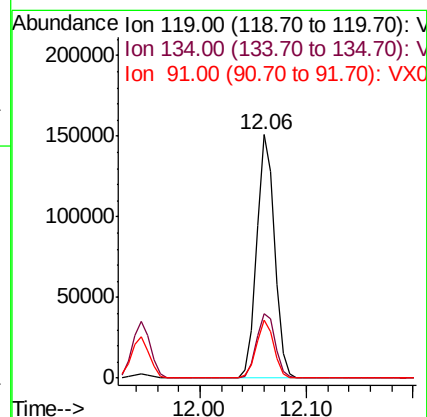
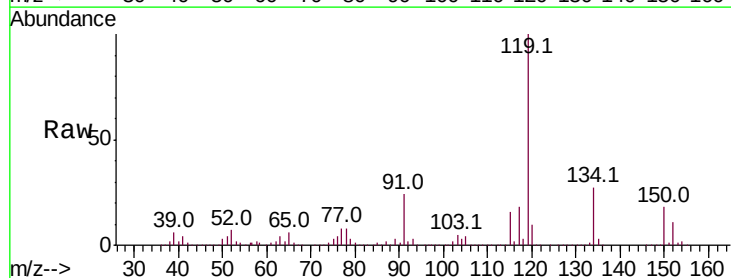
Tgt Ion:119 Resp: 178415

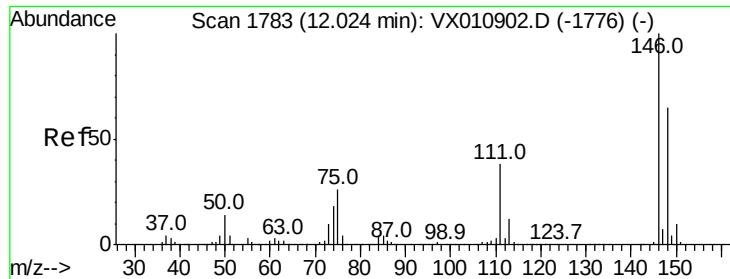
Ion Ratio Lower Upper

119 100

134 27.8 13.4 40.1

91 23.6 11.8 35.4





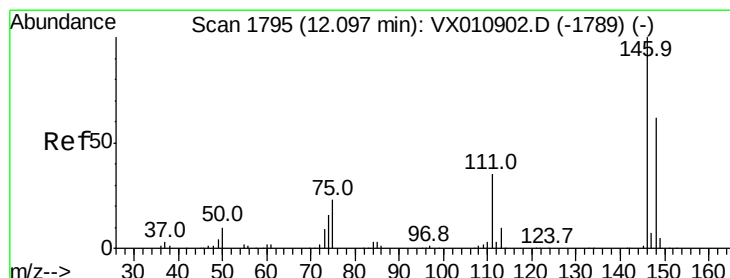
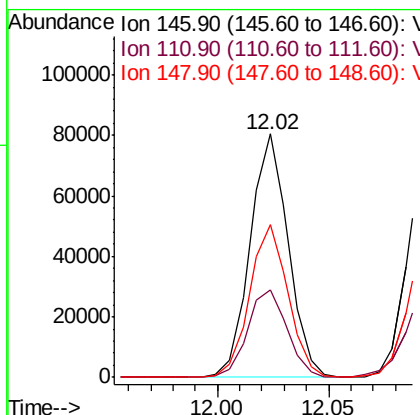
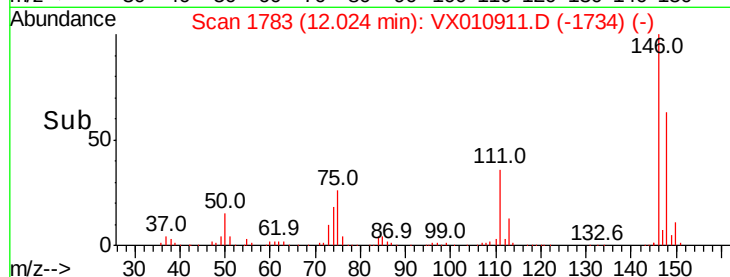
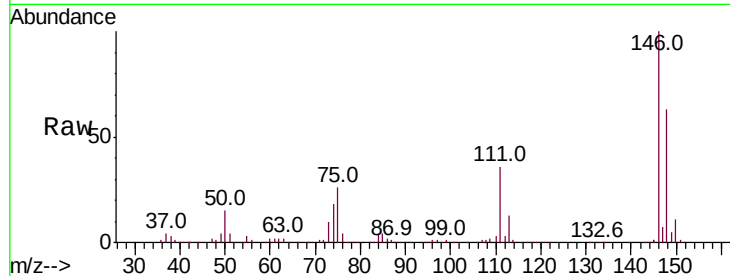
#87
 1,3-Dichlorobenzene
 Concen: 19.543 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0716WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	63.4	32.2	96.6

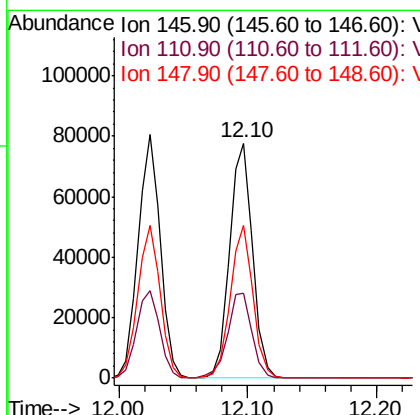
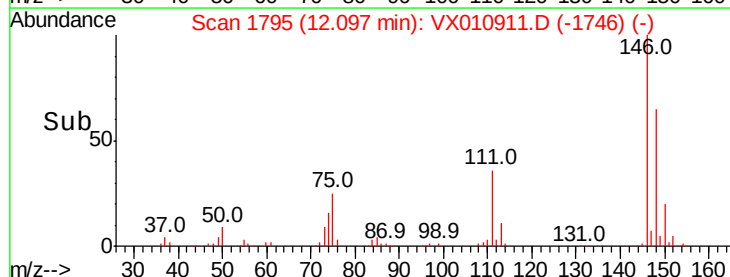
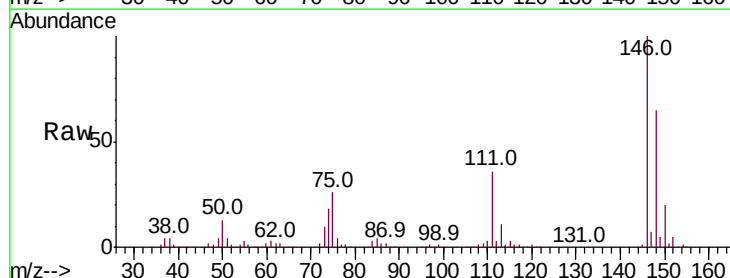
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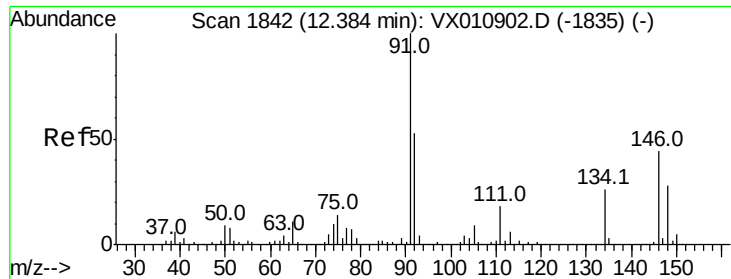
MMDadoda
 7/17/2019 10:45:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.352 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX010911.D
 Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.8
148	64.0	31.6	94.7





#89

n-Butylbenzene

Concen: 19.363 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion: 91 Resp: 150575
Ion Ratio Lower Upper

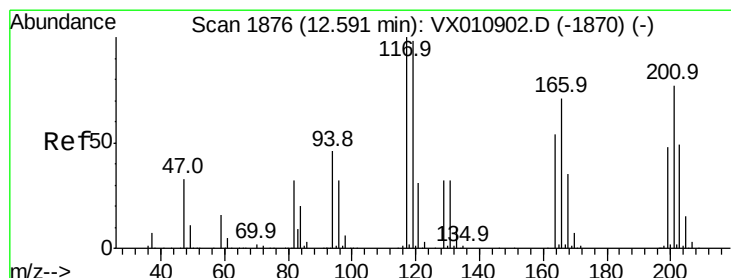
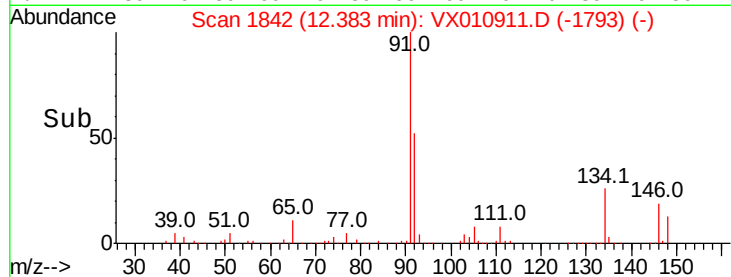
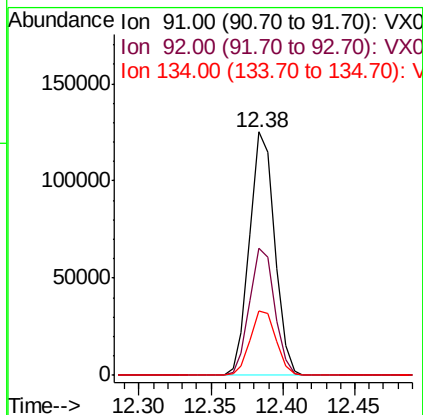
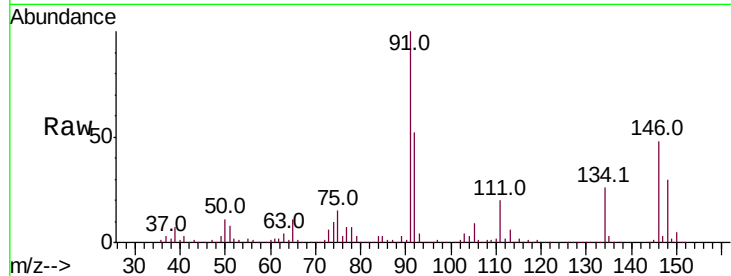
91 100

92 52.6 26.2 78.5

134 27.2 13.8 41.3

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#90

Hexachloroethane

Concen: 18.268 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.01 min

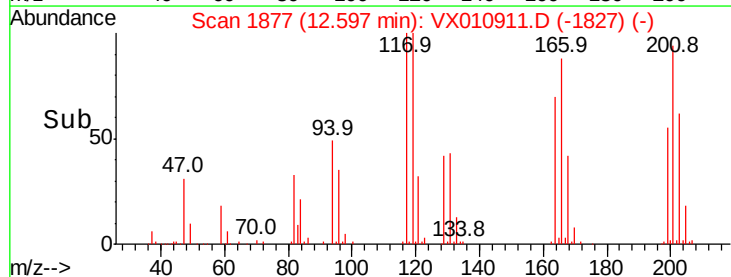
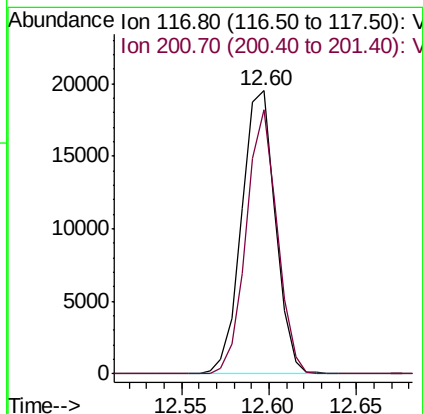
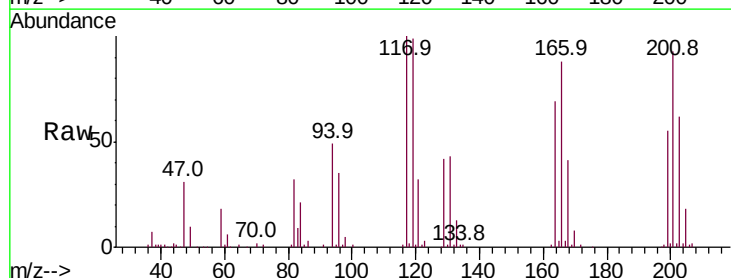
Lab File: VX010911.D

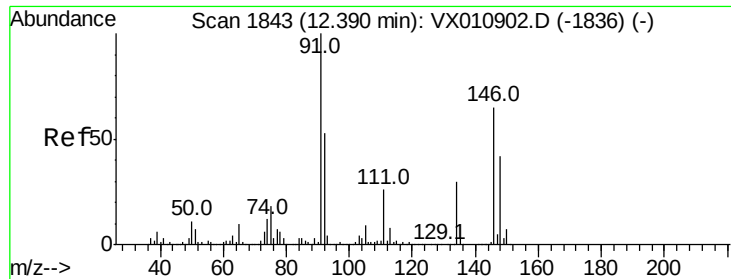
Acq: 16 Jul 2019 17:05

Tgt Ion: 117 Resp: 26190
Ion Ratio Lower Upper

117 100

201 85.2 43.3 129.8





#91

1,2-Dichlorobenzene

Concen: 20.202 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

ClientSampleId :

VX0716WBS01

Tot Ion:146 Resp: 97980

Ion Ratio Lower Upper

146 100

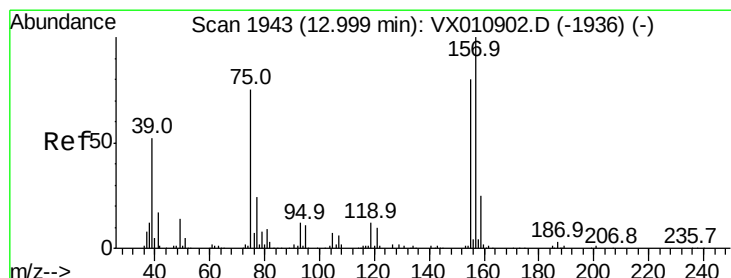
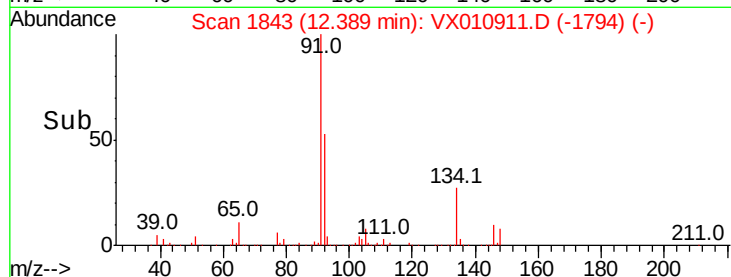
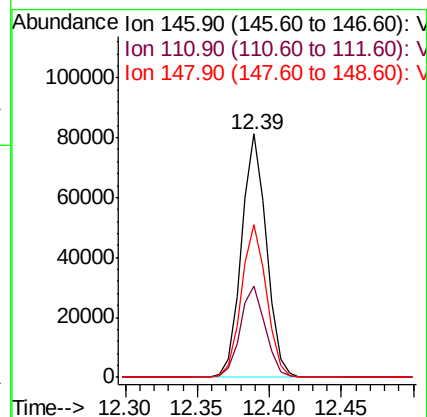
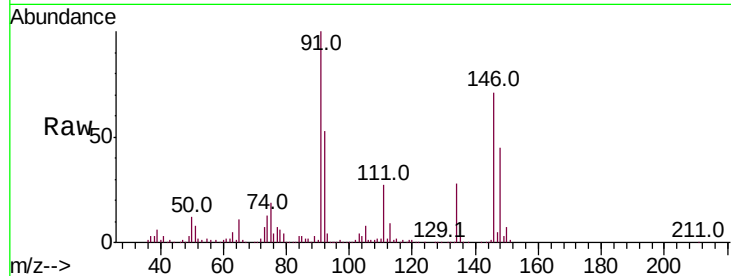
111 38.0 19.9 59.7

148 63.1 32.0 96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.159 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

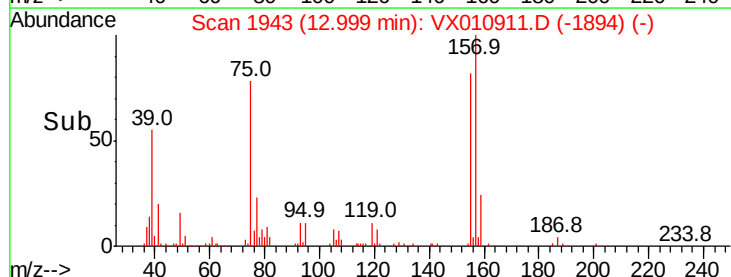
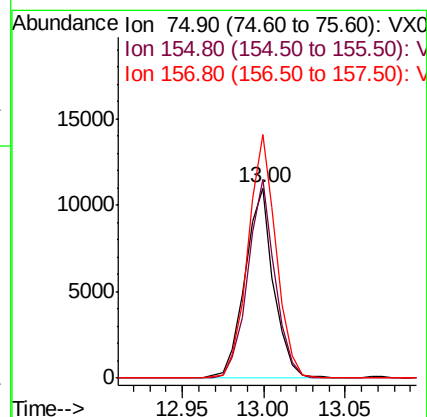
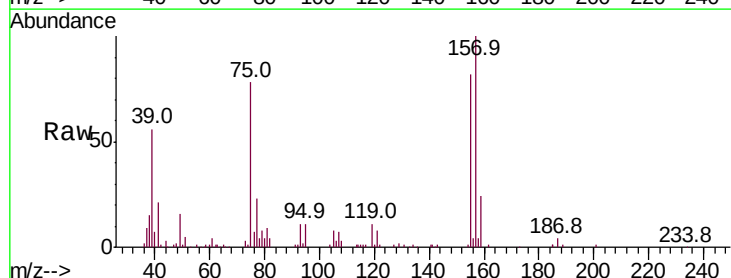
Tgt Ion: 75 Resp: 13399

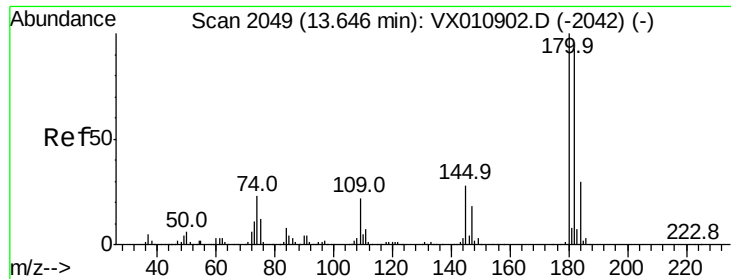
Ion Ratio Lower Upper

75 100

155 99.0 48.7 146.1

157 125.9 62.5 187.6





#93

1,2,4-Trichlorobenzene

Concen: 19.391 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Instrument :

MSVOA_X

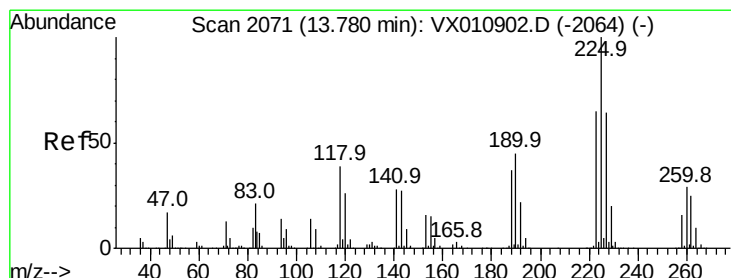
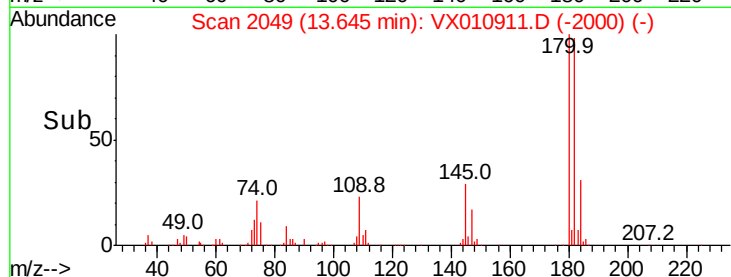
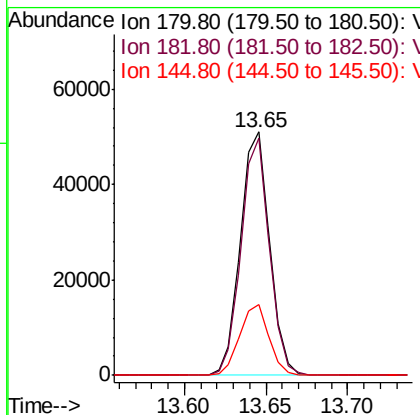
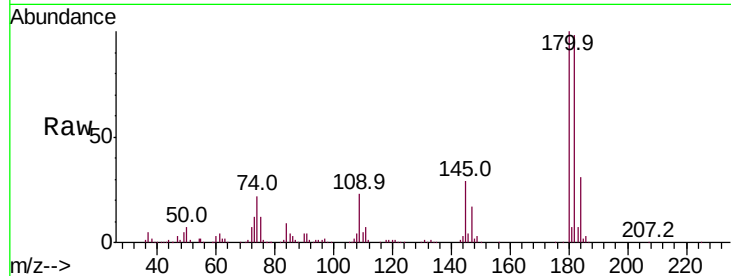
ClientSampleId :

VX0716WBS01

Tot Ion:	180	Resp:	63737
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.1	141.3
145	29.1	14.8	44.4

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:48 AM



#94

Hexachlorobutadiene

Concen: 19.062 ug/l

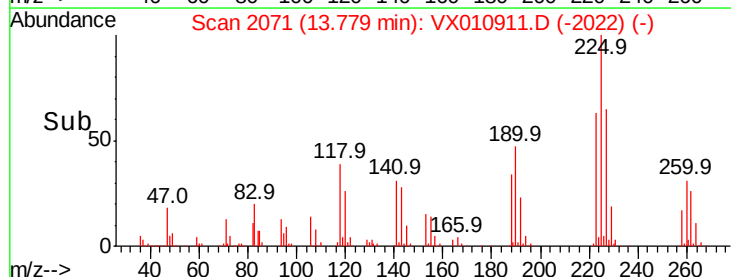
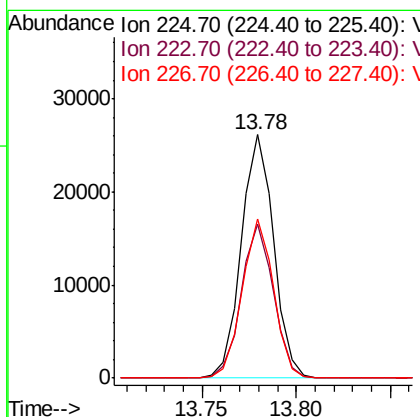
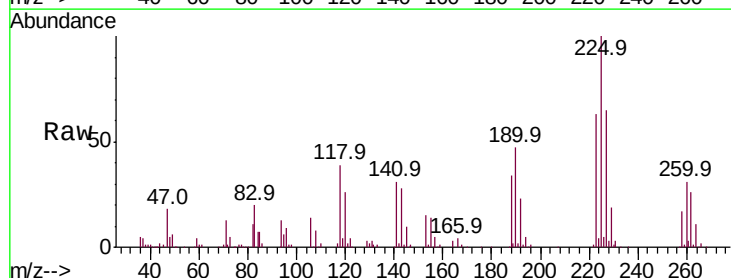
RT: 13.78 min Scan# 2071

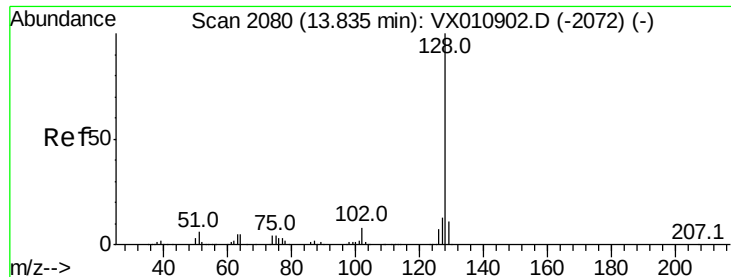
Delta R.T. -0.00 min

Lab File: VX010911.D

Acq: 16 Jul 2019 17:05

Tgt Ion:	225	Resp:	31049
Ion Ratio	Lower	Upper	
225	100		
223	62.8	31.9	95.9
227	63.5	32.5	97.4





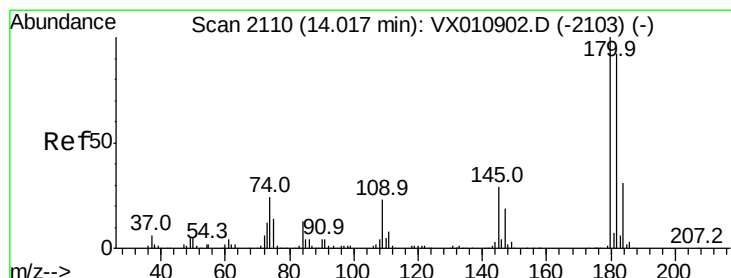
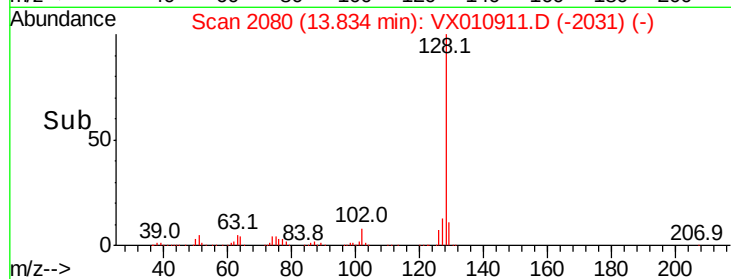
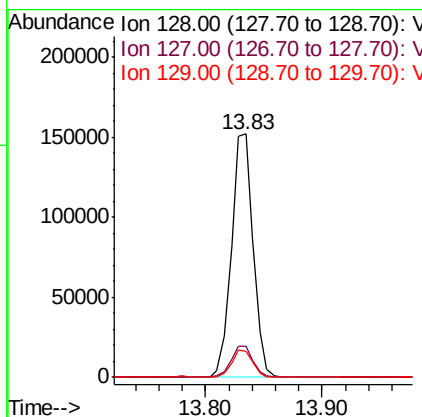
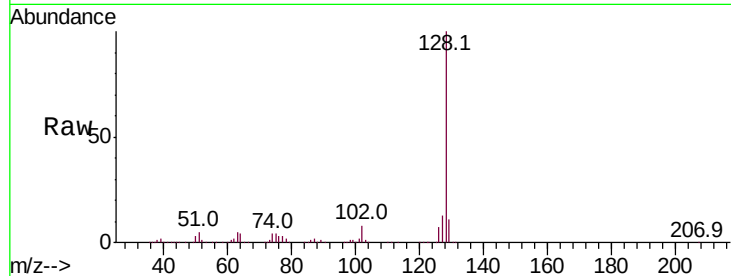
#95
Naphthalene
Concen: 20.316 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Instrument :
MSVOA_X
ClientSampleId :
VX0716WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	197189		
127	13.0		10.4	15.6
129	11.2		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/17/2019 10:45:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.960 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX010911.D
Acq: 16 Jul 2019 17:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	65280		
182	95.5		47.4	142.3
145	31.0		15.1	45.3

