

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052219\
 Data File : VX009843.D
 Acq On : 23 May 2019 07:31
 Operator : JC/SP
 Sample : K2976-10MS 50X
 Misc : 6.03g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 09:12:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	178644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296211	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	270346	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139497	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	114810	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	5.50	113	81616	43.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.66%	
50) Toluene-d8	8.71	98	330284	43.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.86%	
62) 4-Bromofluorobenzene	11.13	95	127546	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66048	40.121	ug/l	99
3) Chloromethane	1.32	50	102111	45.432	ug/l	98
4) Vinyl Chloride	1.41	62	100770	45.980	ug/l	99
5) Bromomethane	1.64	94	57705	43.867	ug/l	99
6) Chloroethane	1.71	64	64156	45.594	ug/l	98
7) Trichlorofluoromethane	1.92	101	119510	44.860	ug/l	98
8) Diethyl Ether	2.19	74	57471	45.543	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68930	41.203	ug/l	98
10) Methyl Iodide	2.51	142	74465	39.384	ug/l	99
11) Tert butyl alcohol	3.05	59	144750	256.422	ug/l	99
12) 1,1-Dichloroethene	2.37	96	76061	45.377	ug/l	99
13) Acrolein	2.29	56	89250	174.579	ug/l	99
14) Allyl chloride	2.73	41	180507	44.189	ug/l	99
15) Acrylonitrile	3.14	53	319590	231.546	ug/l	100
16) Acetone	2.45	43	285156	217.761	ug/l	97
17) Carbon Disulfide	2.57	76	220238	46.799	ug/l	99
18) Methyl Acetate	2.78	43	141191	45.337	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	297798	45.751	ug/l	100
20) Methylene Chloride	2.85	84	91808	43.301	ug/l	96
21) trans-1,2-Dichloroethene	3.17	96	83168	45.751	ug/l	98
22) Diisopropyl ether	3.85	45	370532	47.167	ug/l	97
23) Vinyl Acetate	3.81	43	1620798	240.941	ug/l	99
24) 1,1-Dichloroethane	3.70	63	175809	45.366	ug/l	99
25) 2-Butanone	4.67	43	479405	235.591	ug/l	97
26) 2,2-Dichloropropane	4.59	77	75512	26.178	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	96535	44.490	ug/l	98
28) Bromochloromethane	5.01	49	95394	61.796	ug/l	96
29) Tetrahydrofuran	5.13	42	320517	244.772	ug/l	97
30) Chloroform	5.21	83	159840	45.604	ug/l	99
31) Cyclohexane	5.58	56	157753	43.754	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	130157	44.609	ug/l	99
36) 1,1-Dichloropropene	5.80	75	121871	44.273	ug/l	99
37) Ethyl Acetate	4.83	43	180978	47.187	ug/l	98
38) Carbon Tetrachloride	5.79	117	106365	42.528	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	135260	40.011	ug/l	98
40) Benzene	6.14	78	378150	44.388	ug/l	100
41) Methacrylonitrile	5.04	41	104145	45.616	ug/l	98
42) 1,2-Dichloroethane	6.19	62	139136	45.529	ug/l	99
43) Isopropyl Acetate	6.45	43	289518	47.192	ug/l	98
44) Trichloroethene	7.21	130	88878	43.154	ug/l	96
45) 1,2-Dichloropropane	7.51	63	107226	44.450	ug/l	98
46) Dibromomethane	7.66	93	61270	43.738	ug/l	100
47) Bromodichloromethane	7.90	83	121947	43.641	ug/l	100
48) Methyl methacrylate	7.77	41	145043	47.654	ug/l	97
49) 1,4-Dioxane	7.74	88	51438	833.341	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	959601	239.309	ug/l	98
52) Toluene	8.79	92	226609	43.759	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	135788	43.042	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	149076	42.692	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	91814	43.458	ug/l	96
56) Ethyl methacrylate	9.18	69	172284	45.683	ug/l	96
57) 1,3-Dichloropropane	9.37	76	165292	44.459	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	434939	217.396	ug/l	100
59) 2-Hexanone	9.49	43	732470	232.581	ug/l	99
60) Dibromochloromethane	9.58	129	91420	44.304	ug/l	98
61) 1,2-Dibromoethane	9.67	107	94921	44.508	ug/l	99
64) Tetrachloroethene	9.34	164	84638	45.640	ug/l	98
65) Chlorobenzene	10.14	112	233663	43.206	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	83953	42.818	ug/l	100
67) Ethyl Benzene	10.25	91	430110	43.214	ug/l	100
68) m/p-Xylenes	10.36	106	314517	86.473	ug/l	96
69) o-Xylene	10.69	106	155471	43.324	ug/l	99
70) Styrene	10.71	104	278700	44.683	ug/l	99
71) Bromoform	10.85	173	70011	43.940	ug/l #	99
73) Isopropylbenzene	11.02	105	427742	42.167	ug/l	100
74) N-amyl acetate	10.90	43	313754	53.052	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	11.27	83	183457	48.514	ug/l	93
76) 1,2,3-Trichloropropane	11.29	75	178722	55.232	ug/l	81
77) Bromobenzene	11.26	156	103297	41.027	ug/l	97
78) n-propylbenzene	11.36	91	547981	47.301	ug/l	100
79) 2-Chlorotoluene	11.42	91	288876	40.417	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	380836	44.587	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	44988	35.573	ug/l	87
82) 4-Chlorotoluene	11.51	91	339056	41.991	ug/l	98
83) tert-Butylbenzene	11.77	119	344567	41.469	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	864063	100.785	ug/l	99
85) sec-Butylbenzene	11.94	105	499941	50.751	ug/l	96
86) p-Isopropyltoluene	12.06	119	451613	50.996	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	187934	41.871	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	189754	41.933	ug/l	98
89) n-Butylbenzene	12.38	91	474337	59.260	ug/l	92
90) Hexachloroethane	12.60	117	85911	56.942	ug/l	74
91) 1,2-Dichlorobenzene	12.39	146	185963	40.677	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37231	43.888	ug/l	93

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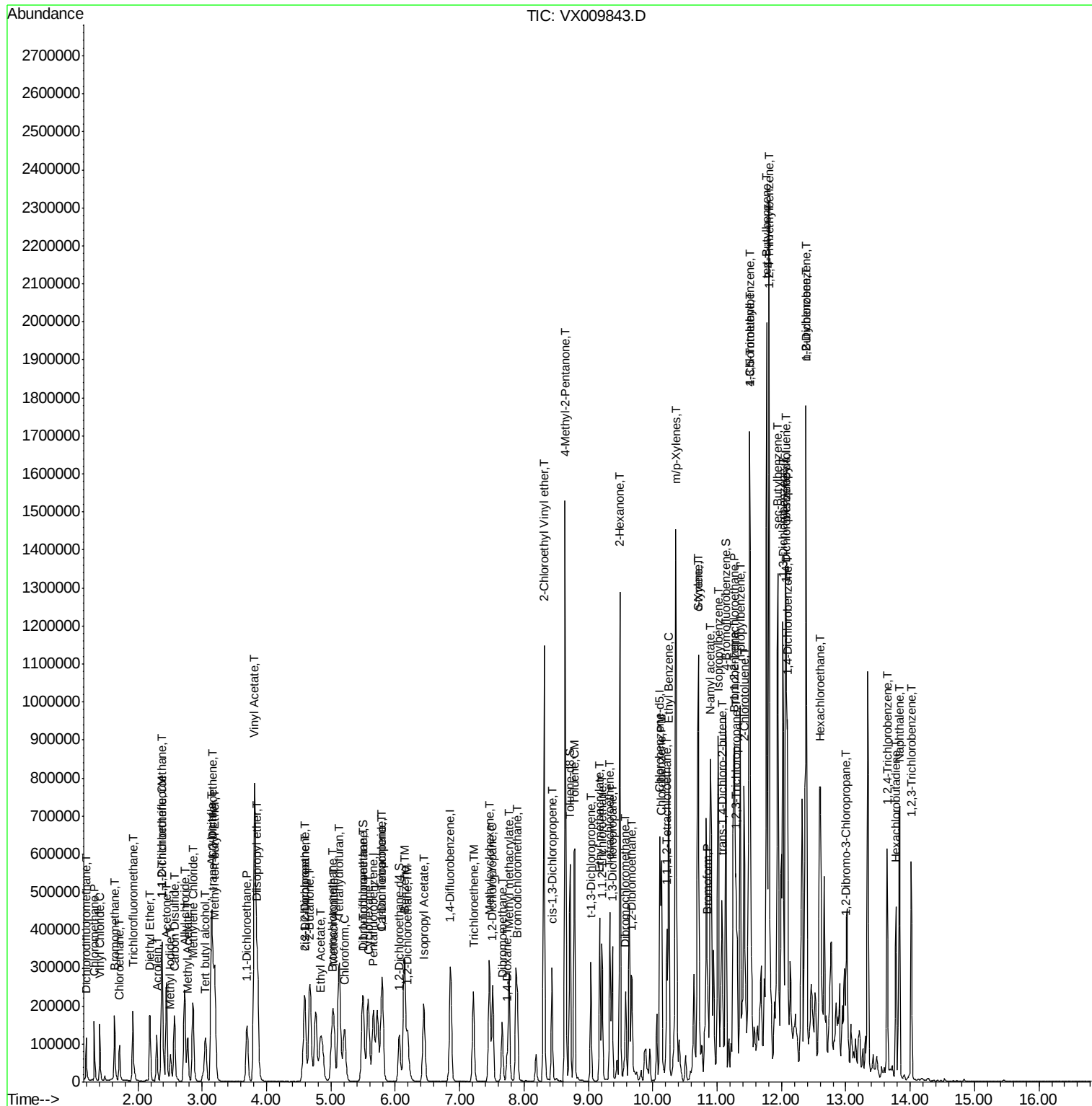
Instrument :
MSVOA_X
ClientSampleId :

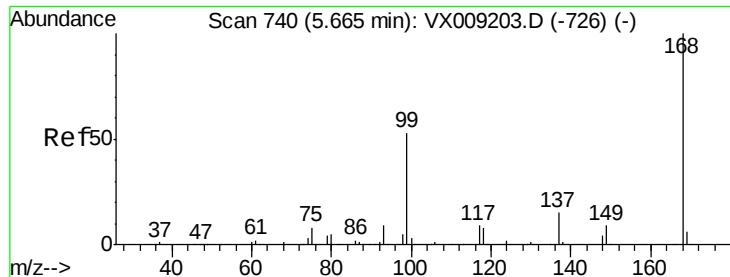
Quant Time: May 23 09:12:05 2019
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Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	133999	42.862	ug/l	99
94) Hexachlorobutadiene	13.78	225	66525	41.670	ug/l	99
95) Naphthalene	13.83	128	440470	43.306	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	132795	41.905	ug/l	98

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

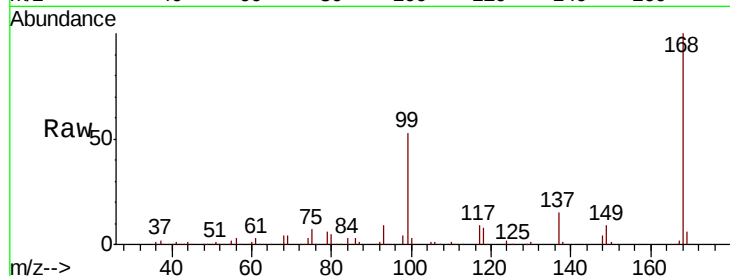
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 178644

Ion Ratio Lower Upper

168 100

99 52.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

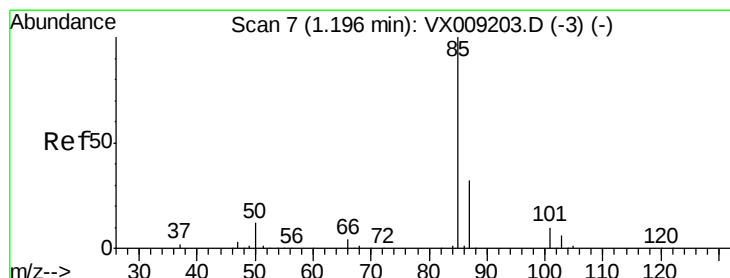
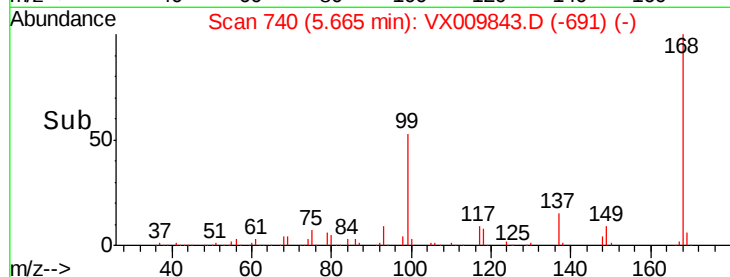
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 40.121 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009843.D

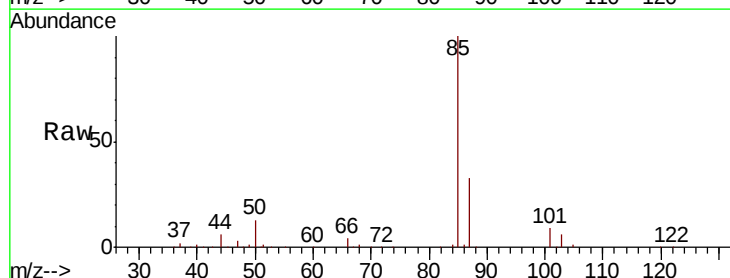
Acq: 23 May 2019 07:31

Tgt Ion: 85 Resp: 66048

Ion Ratio Lower Upper

85 100

87 33.0 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

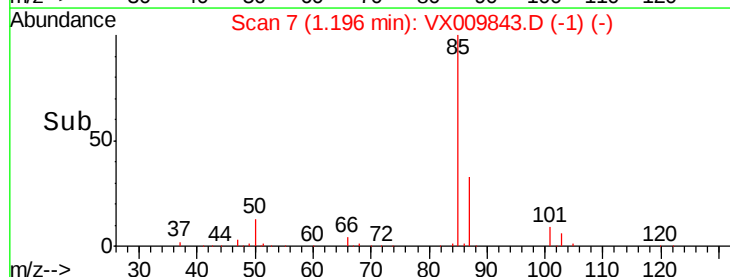
60000

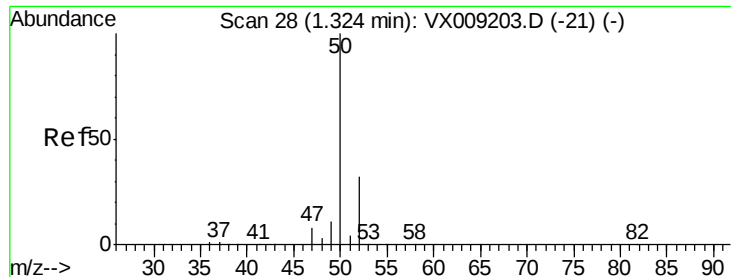
40000

20000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 45.432 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

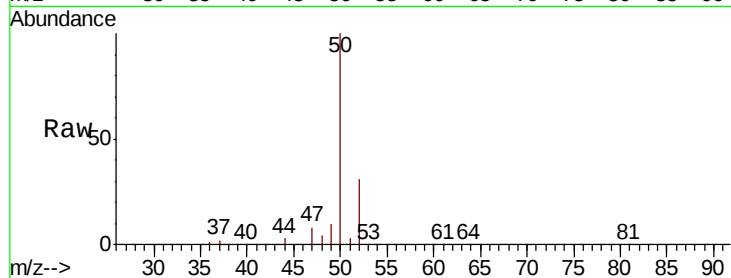
ClientSampled :

Tot Ion: 50 Resp: 102111

Ion Ratio Lower Upper

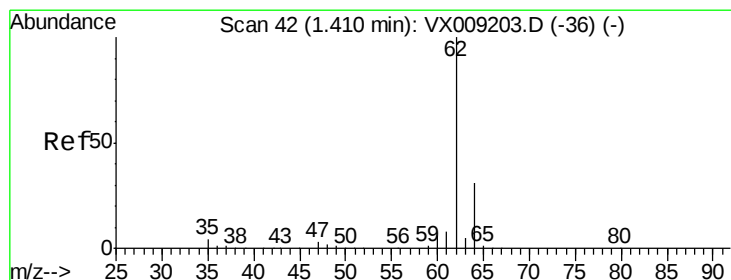
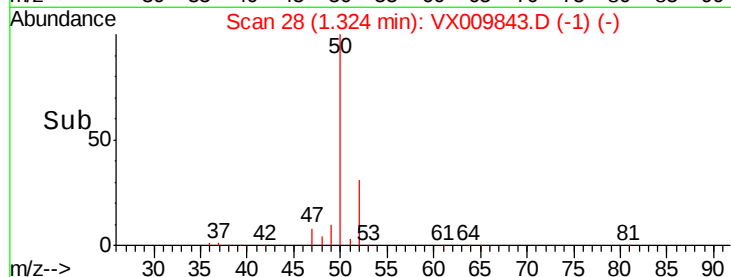
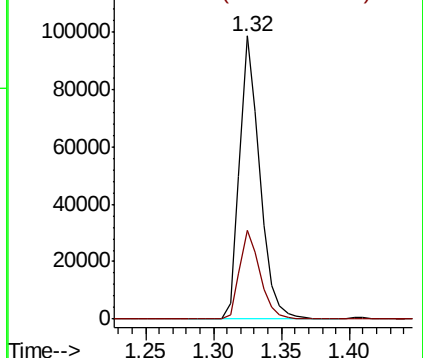
50 100

52 31.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 45.980 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009843.D

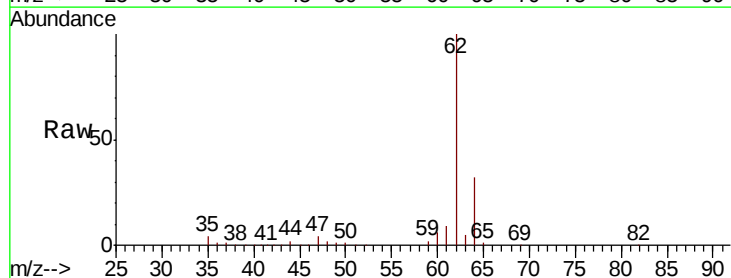
Acq: 23 May 2019 07:31

Tgt Ion: 62 Resp: 100770

Ion Ratio Lower Upper

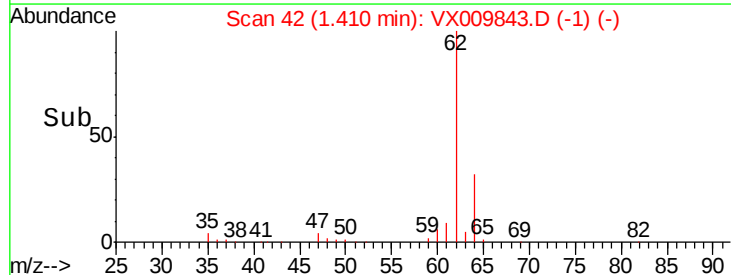
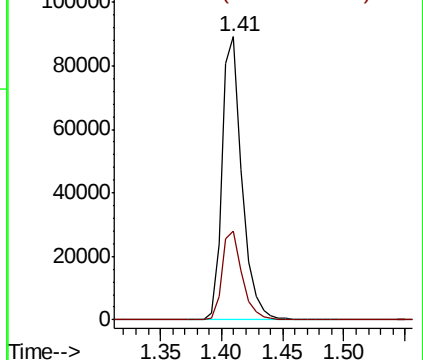
62 100

64 31.4 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 43.867 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

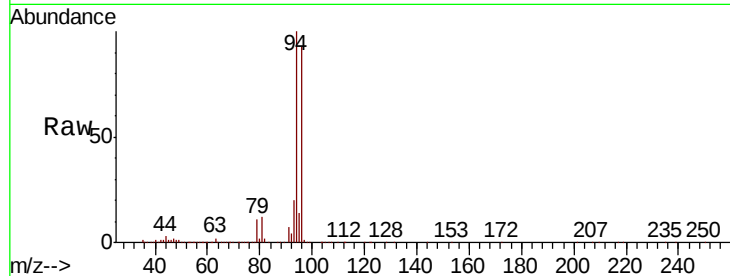
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 94 Resp: 57705

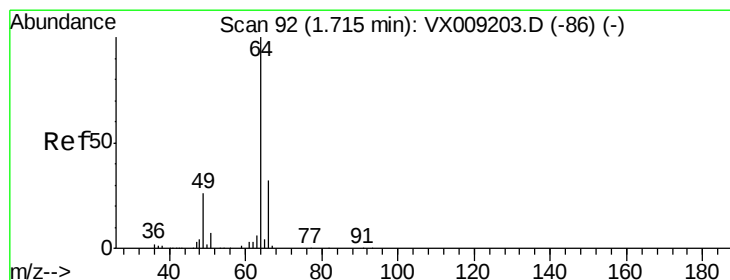
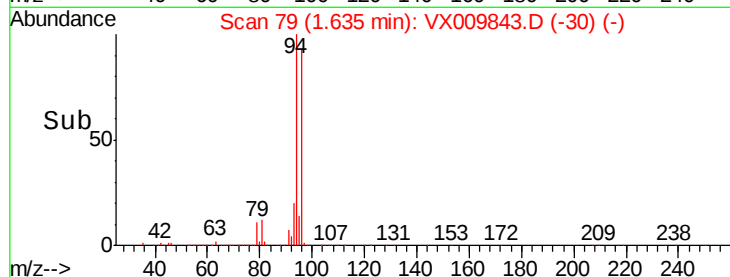
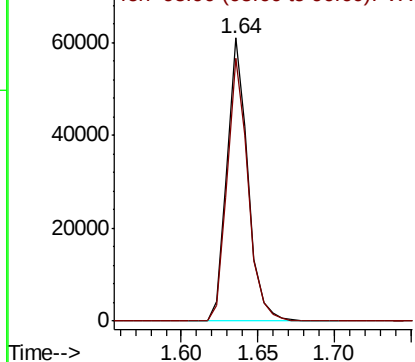
Ion Ratio Lower Upper

94 100

96 92.7 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 45.594 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX009843.D

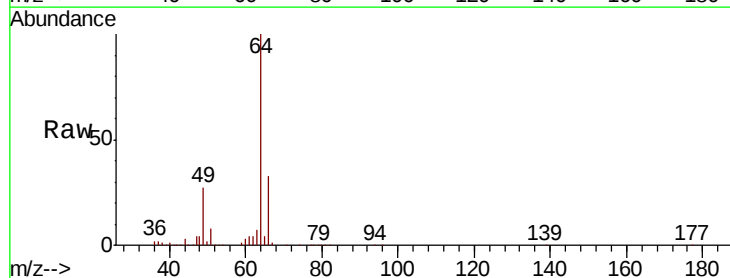
Acq: 23 May 2019 07:31

Tgt Ion: 64 Resp: 64156

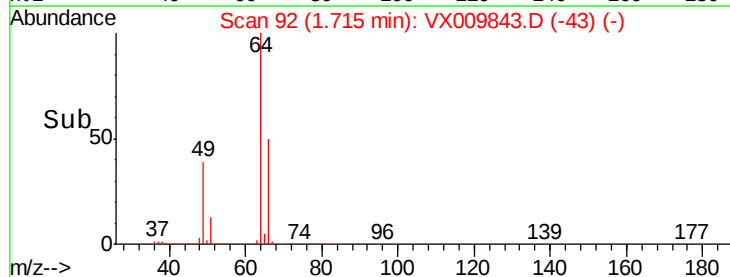
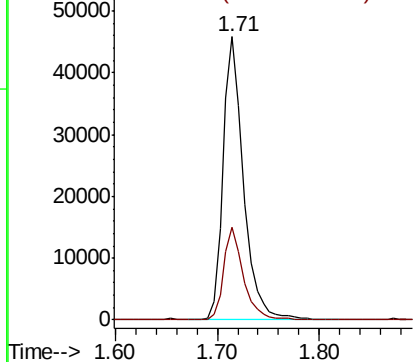
Ion Ratio Lower Upper

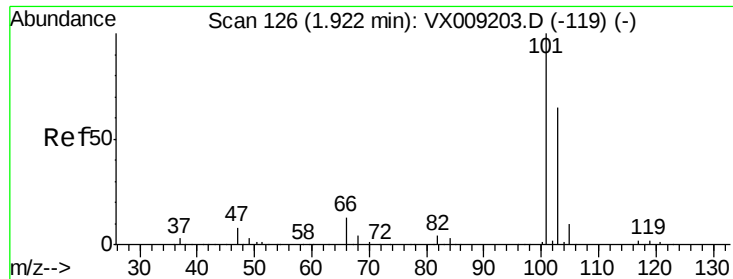
64 100

66 32.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



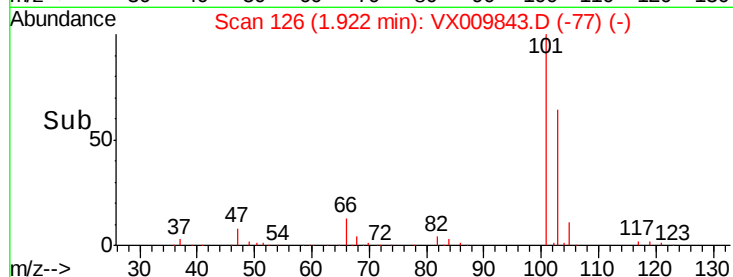
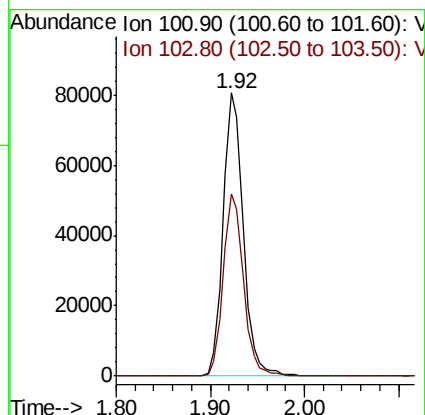
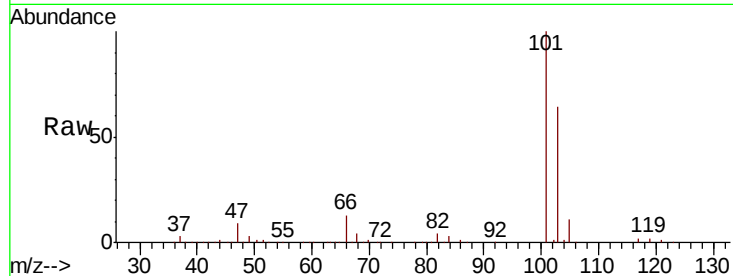


#7

Trichlorofluoromethane
 Concen: 44.860 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Instrument :
 MSVOA_X
 ClientSampled :

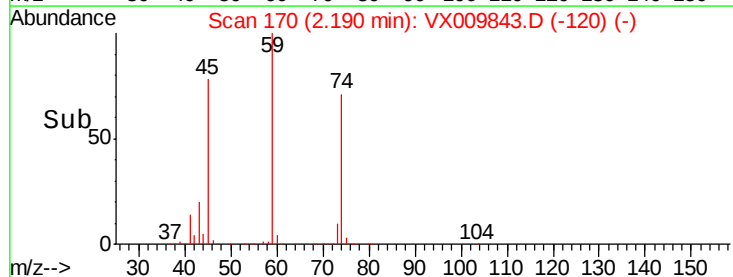
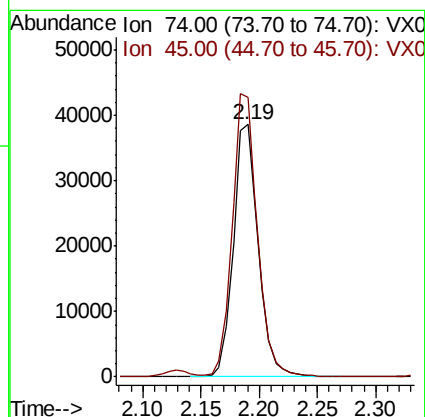
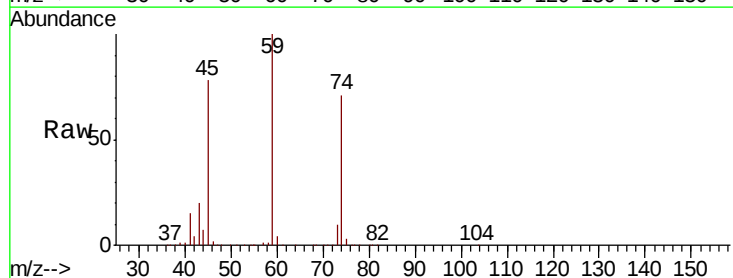
Tot Ion:101 Resp: 119510
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.4 78.6

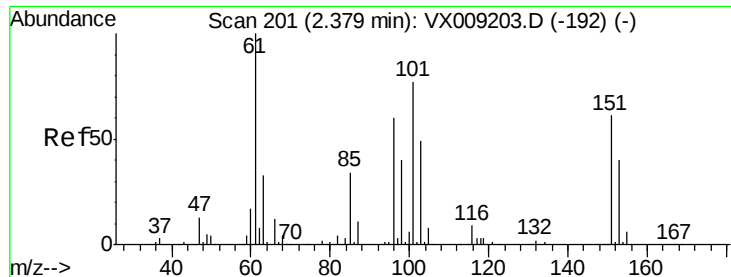


#8

Diethyl Ether
 Concen: 45.543 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.01 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Tgt Ion: 74 Resp: 57471
 Ion Ratio Lower Upper
 74 100
 45 112.5 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.203 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

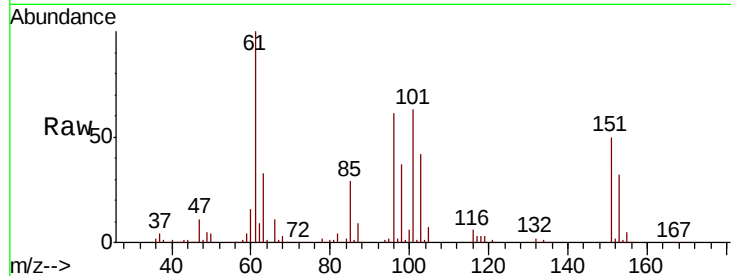
Tot Ion:101 Resp: 68930

Ion Ratio Lower Upper

101 100

85 45.5 35.7 53.5

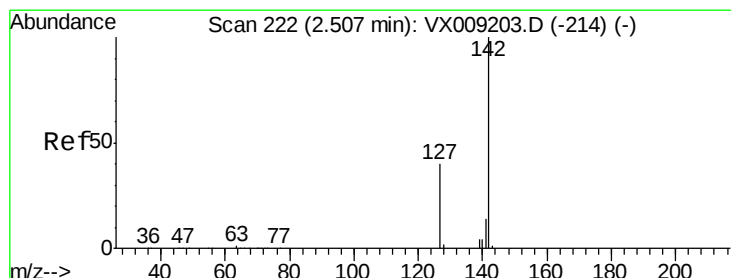
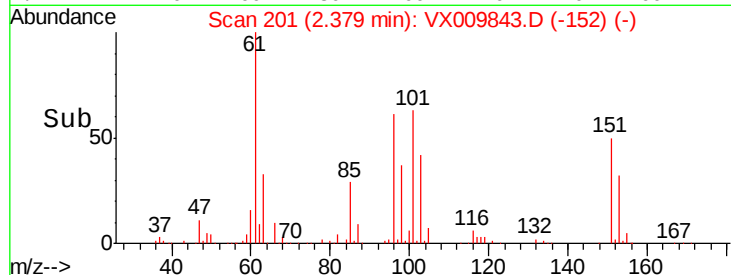
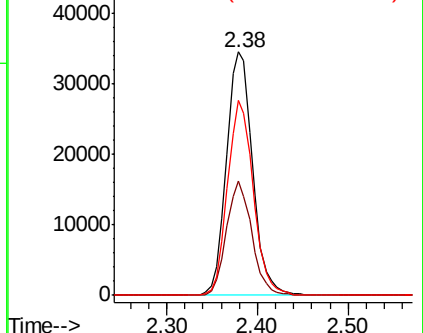
151 79.3 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.384 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

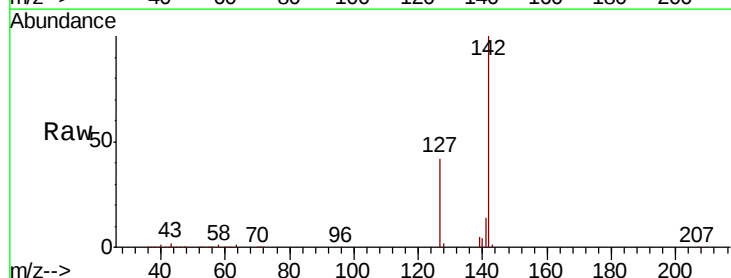
Tgt Ion:142 Resp: 74465

Ion Ratio Lower Upper

142 100

127 41.9 32.7 49.1

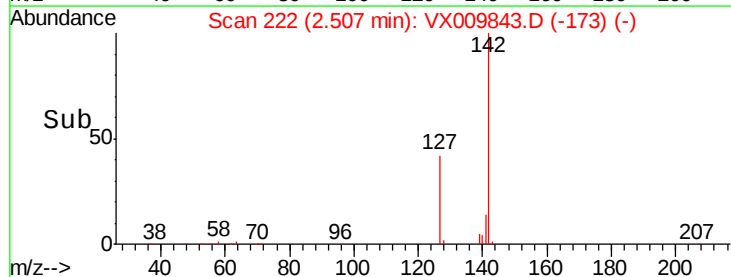
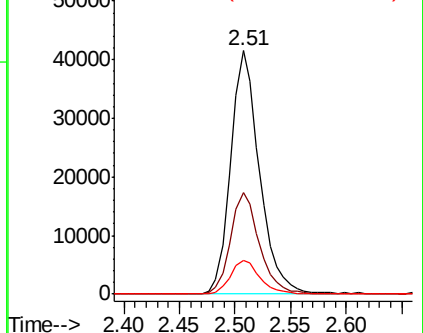
141 14.4 11.5 17.3

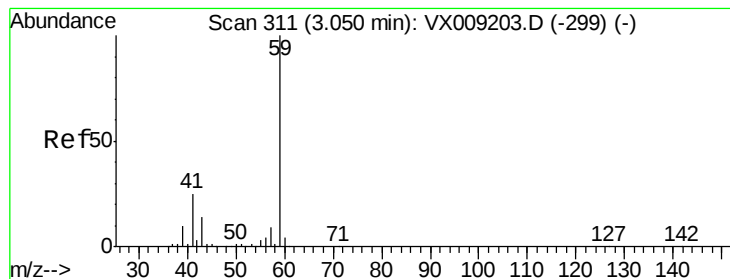


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



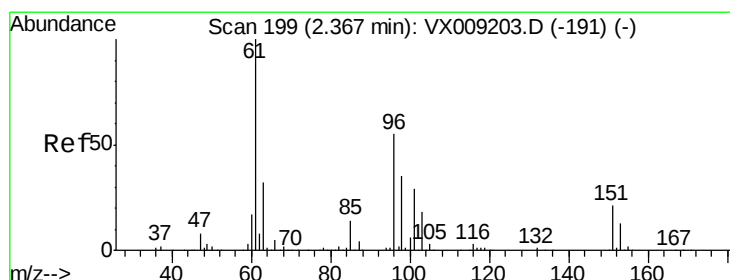
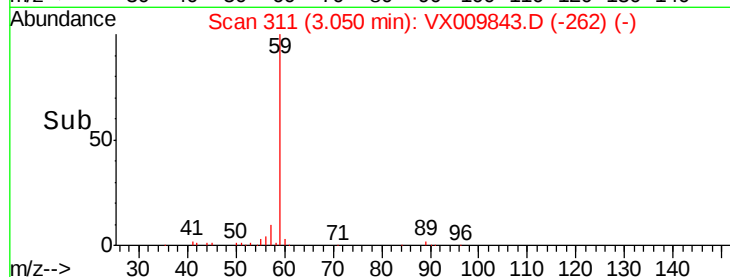
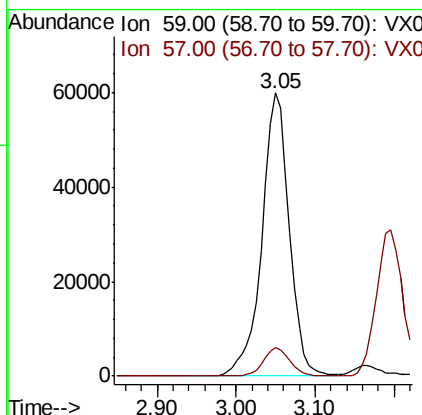
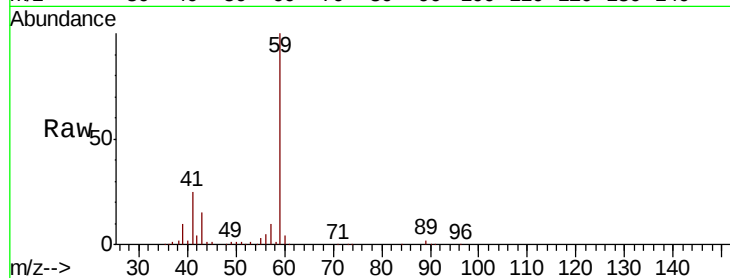


#11

Tert butyl alcohol
 Concen: 256.422 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Instrument :
 MSVOA_X
 ClientSampleId :

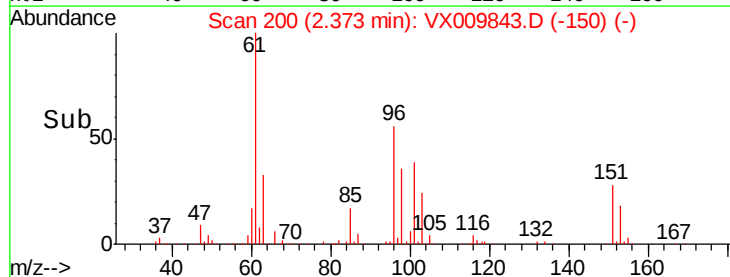
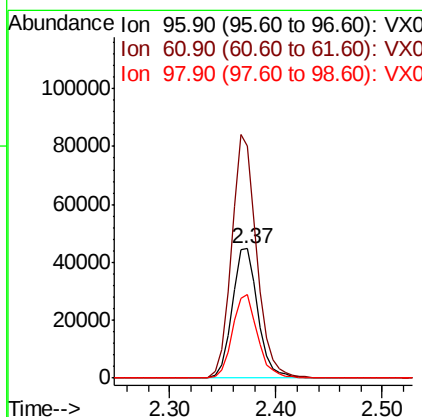
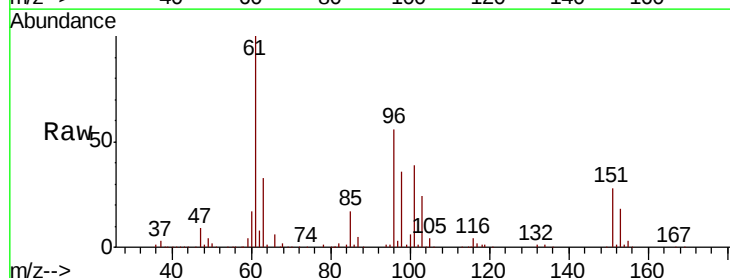
Tot Ion: 59 Resp: 144750
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.2 12.2

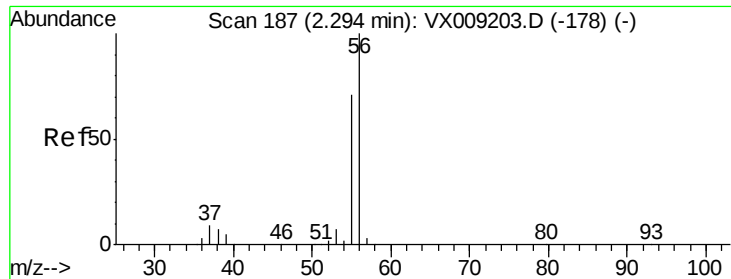


#12

1,1-Dichloroethene
 Concen: 45.377 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Tgt Ion: 96 Resp: 76061
 Ion Ratio Lower Upper
 96 100
 61 180.0 144.3 216.5
 98 65.0 50.3 75.5

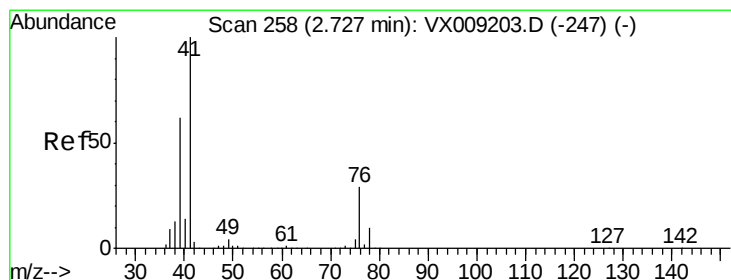
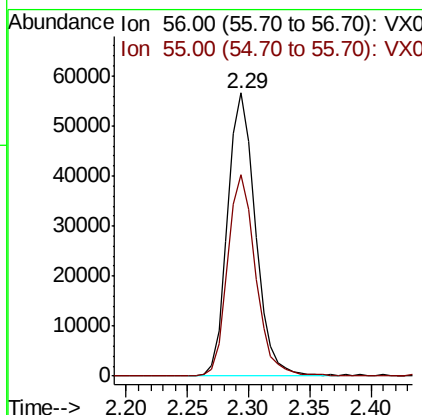
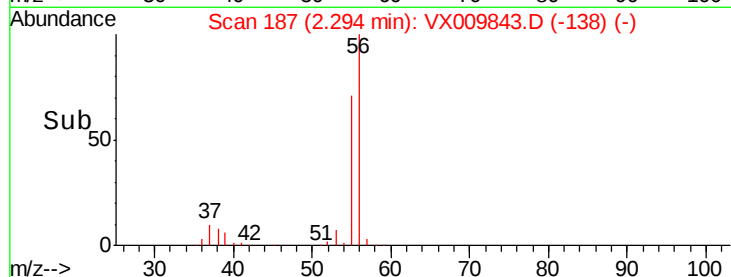
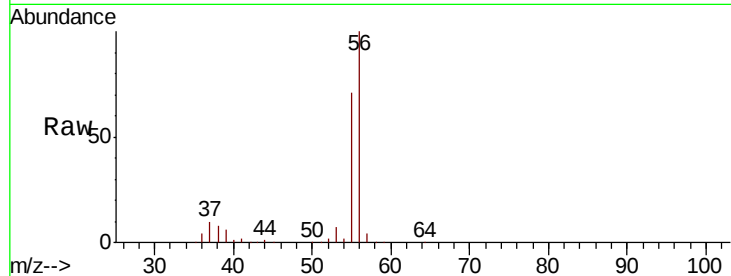




#13
Acrolein
Concen: 174.579 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

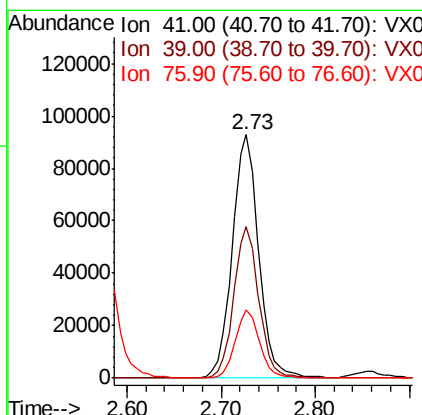
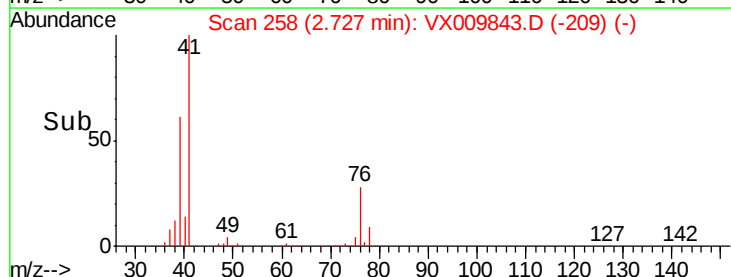
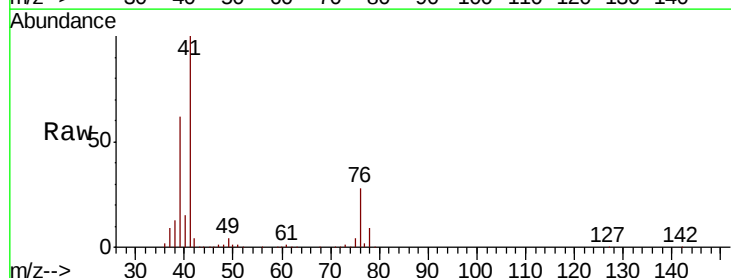
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 89250
Ion Ratio Lower Upper
56 100
55 71.7 56.6 85.0



#14
Allyl chloride
Concen: 44.189 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion: 41 Resp: 180507
Ion Ratio Lower Upper
41 100
39 59.1 46.7 70.1
76 26.0 21.8 32.8





#15

Acrylonitrile

Concen: 231.546 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampled :

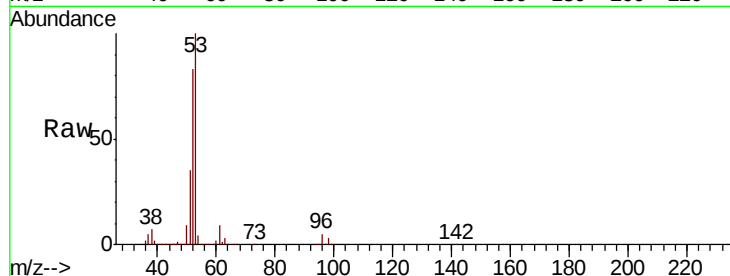
Tot Ion: 53 Resp: 319590

Ion Ratio Lower Upper

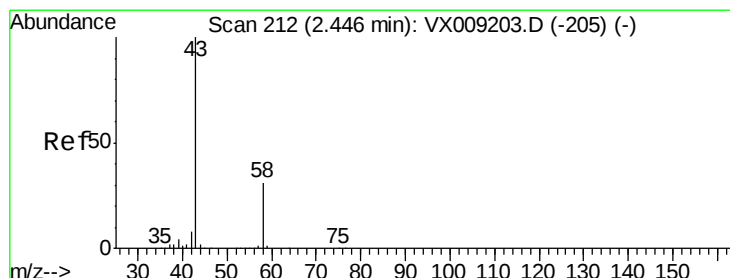
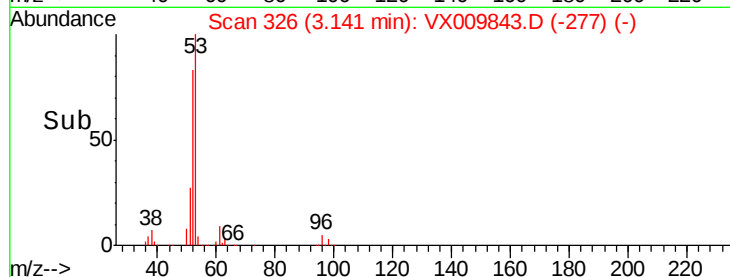
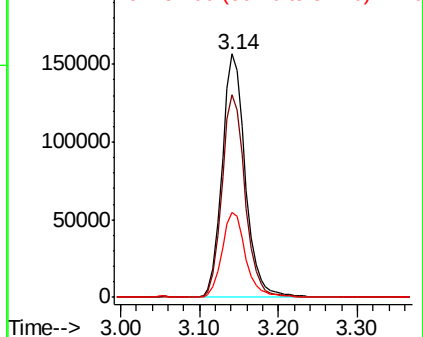
53 100

52 83.4 66.9 100.3

51 35.6 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 217.761 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009843.D

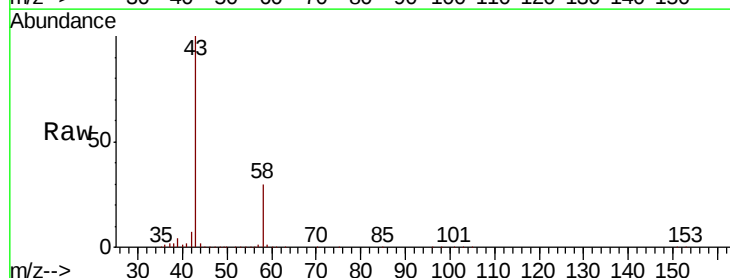
Acq: 23 May 2019 07:31

Tgt Ion: 43 Resp: 285156

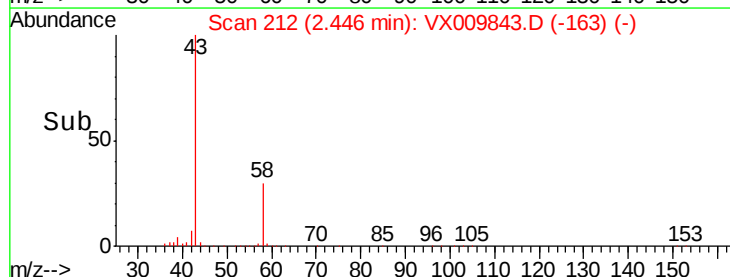
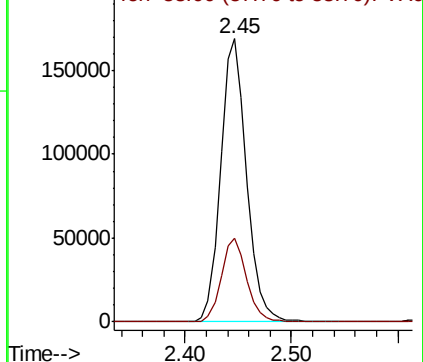
Ion Ratio Lower Upper

43 100

58 29.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

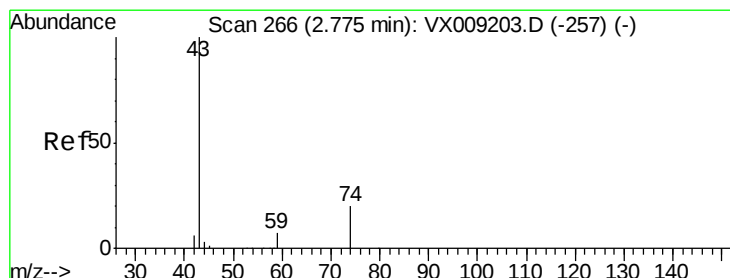
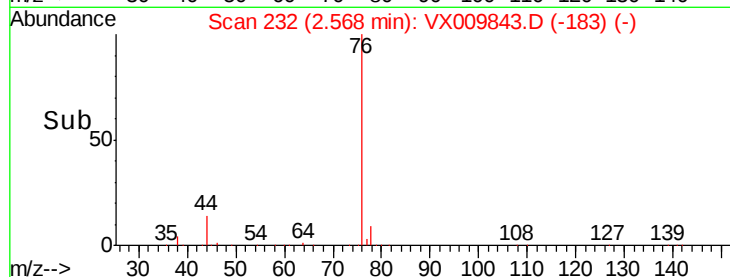
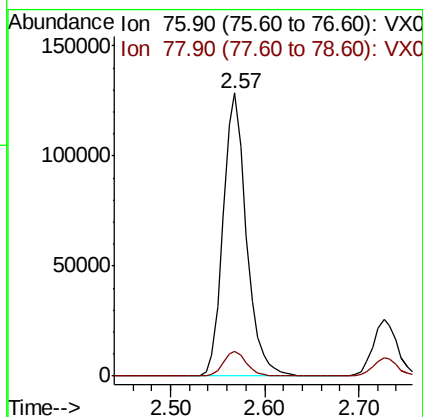
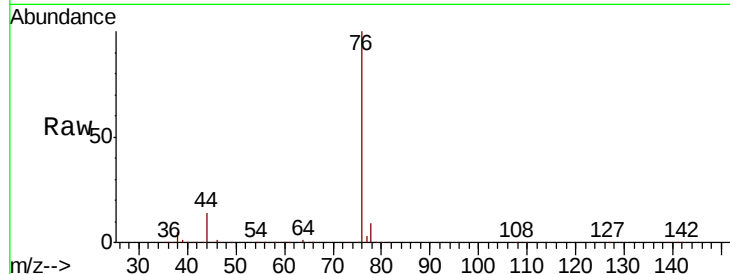




#17
Carbon Disulfide
Concen: 46.799 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

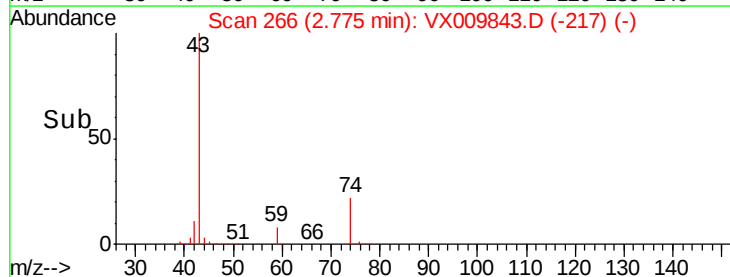
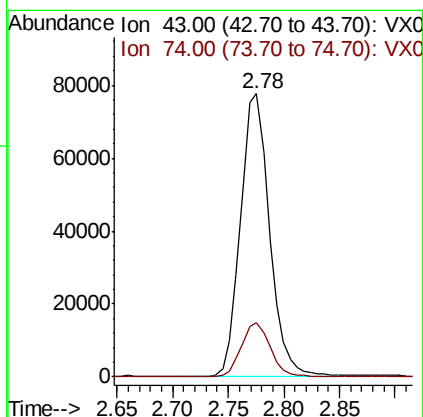
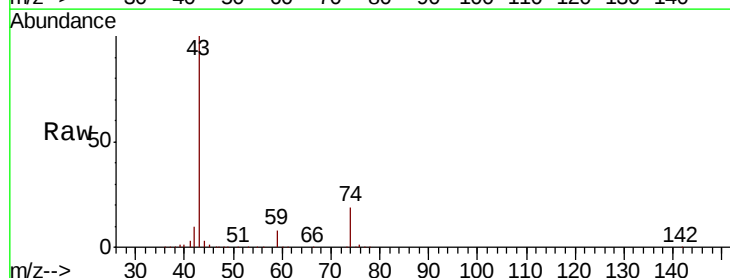
Instrument :
MSVOA_X
ClientSampled :

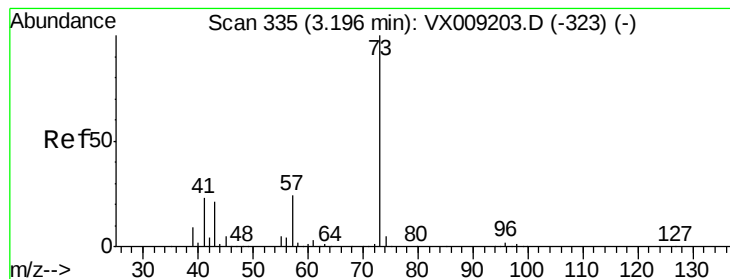
Tot Ion: 76 Resp: 220238
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 45.337 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion: 43 Resp: 141191
Ion Ratio Lower Upper
43 100
74 19.6 16.2 24.4



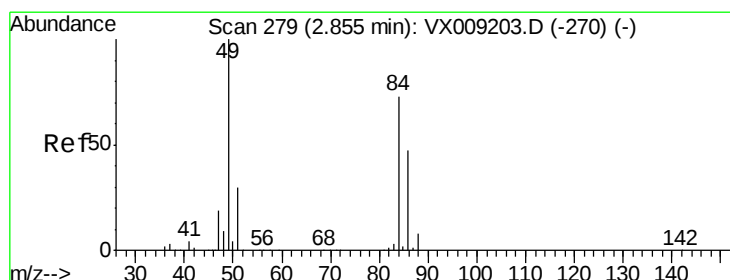
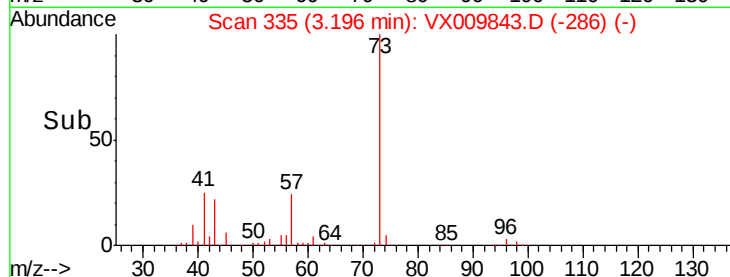
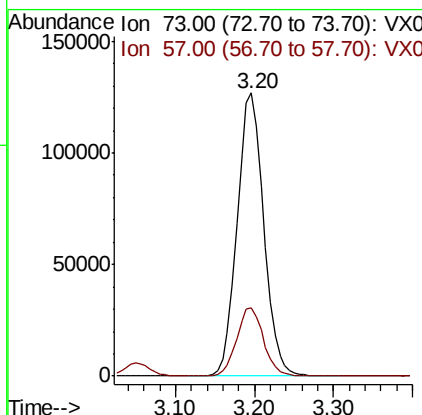
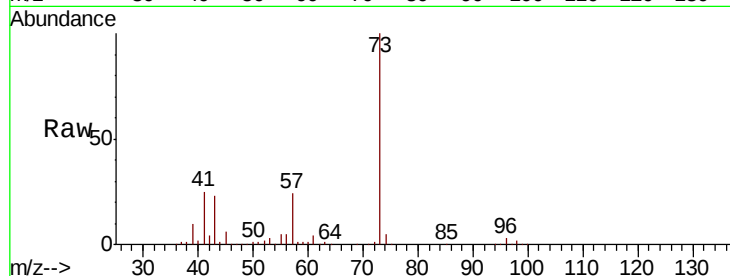


#19

Methyl tert-butyl Ether
 Concen: 45.751 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Instrument :
 MSVOA_X
 ClientSampleID :

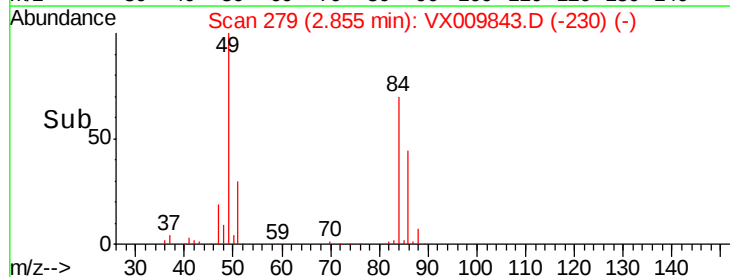
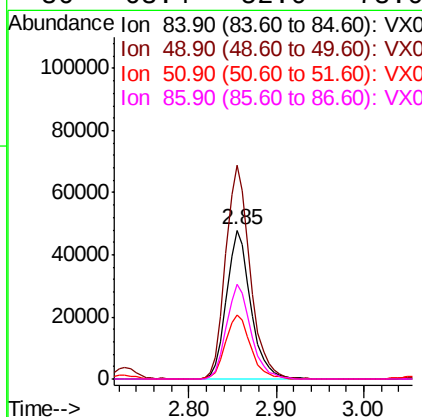
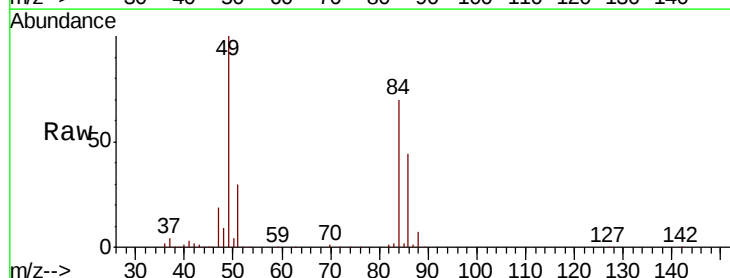
Tot Ion: 73 Resp: 297798
 Ion Ratio Lower Upper
 73 100
 57 24.3 19.3 28.9



#20

Methylene Chloride
 Concen: 43.301 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Tgt Ion: 84 Resp: 91808
 Ion Ratio Lower Upper
 84 100
 49 143.6 109.9 164.9
 51 42.8 32.7 49.1
 86 63.4 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 45.751 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :
MSVOA_X
ClientSampled :

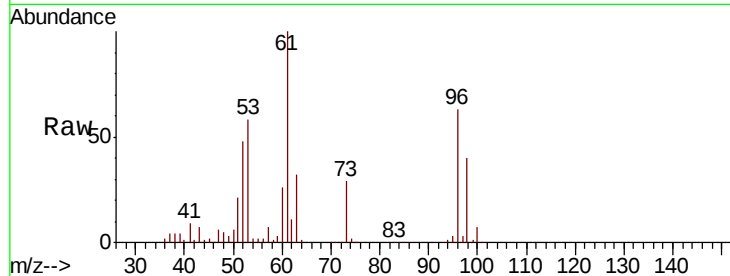
Tot Ion: 96 Resp: 83168

Ion Ratio Lower Upper

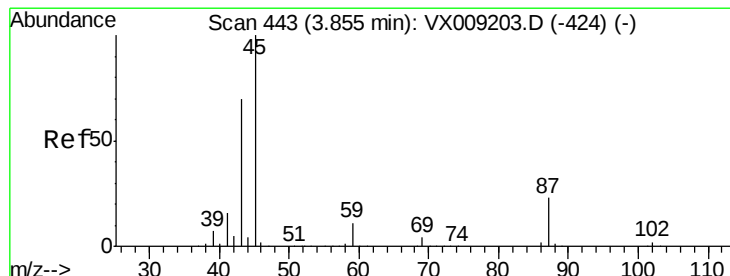
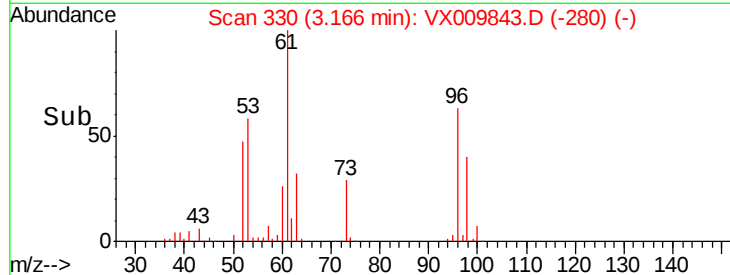
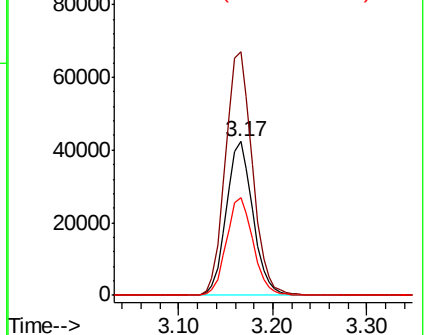
96 100

61 158.5 124.5 186.7

98 63.6 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.167 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Tgt Ion: 45 Resp: 370532

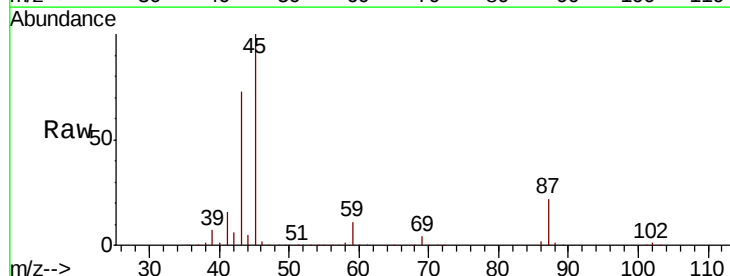
Ion Ratio Lower Upper

45 100

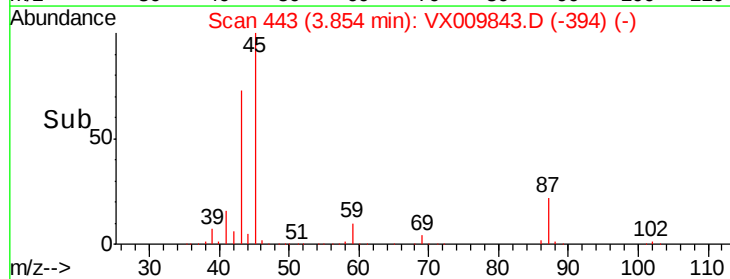
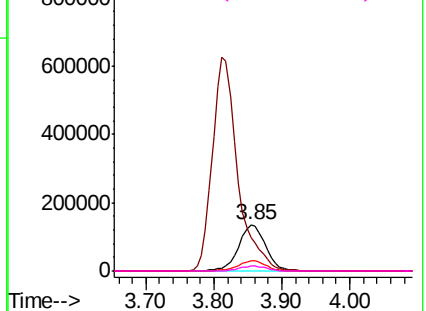
43 73.0 56.1 84.1

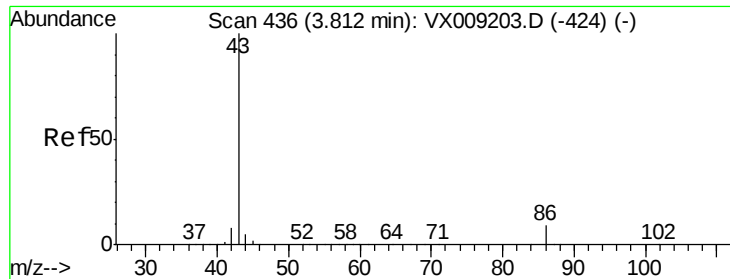
87 22.0 18.1 27.1

59 10.5 8.5 12.7



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 240.941 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

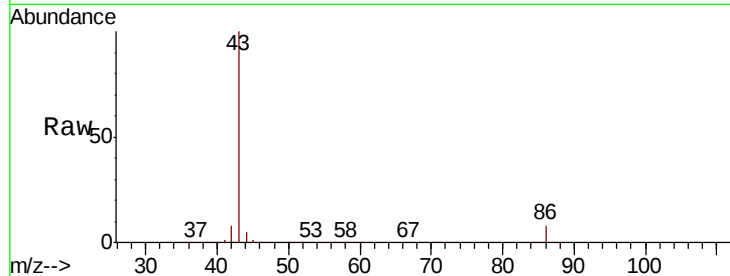
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1620798

Ion Ratio Lower Upper

43 100

86 8.1 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

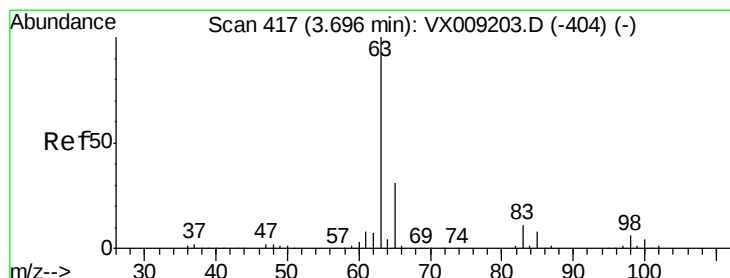
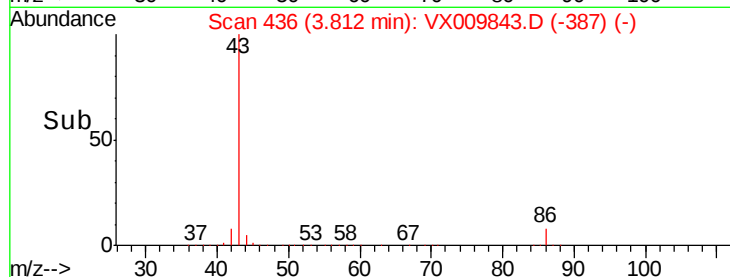
600000

400000

200000

0

Time--> 3.60 3.80 4.00



#24

1,1-Dichloroethane

Concen: 45.366 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

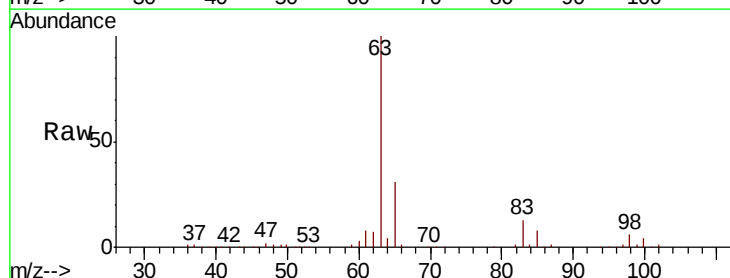
Tgt Ion: 63 Resp: 175809

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

100 4.2 2.0 6.0



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

100000

80000

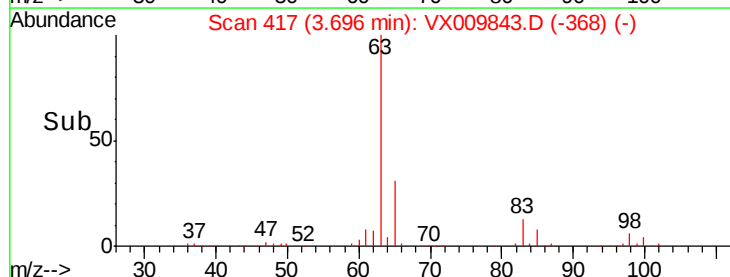
60000

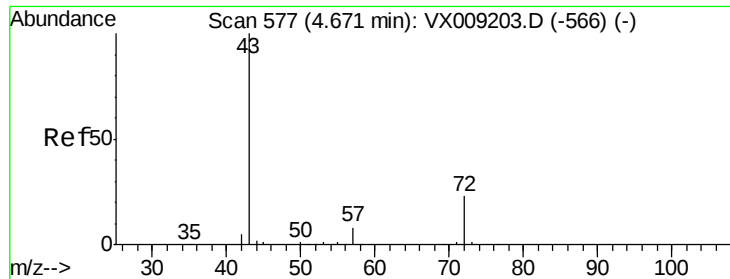
40000

20000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 235.591 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

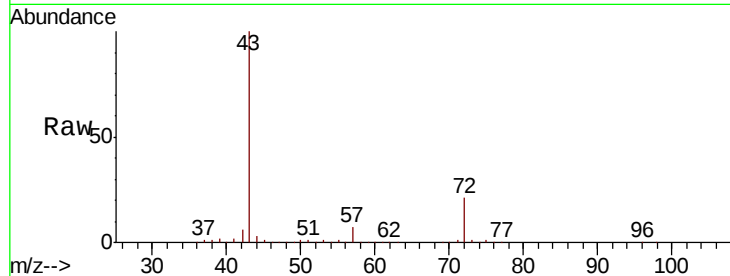
ClientSampleId :

Tot Ion: 43 Resp: 479405

Ion Ratio Lower Upper

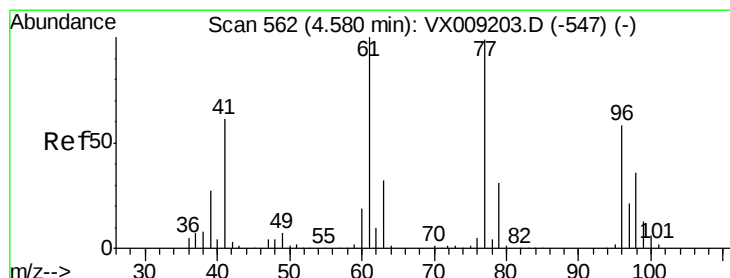
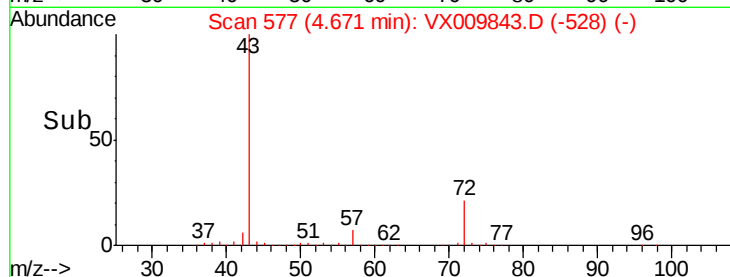
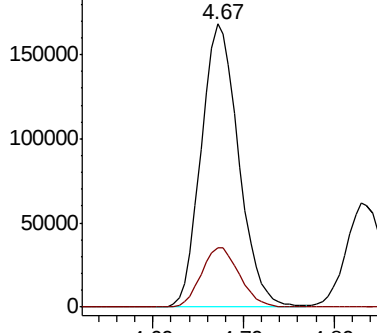
43 100

72 21.0 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 26.178 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009843.D

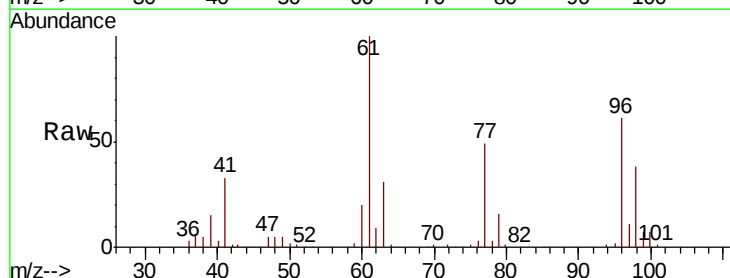
Acq: 23 May 2019 07:31

Tgt Ion: 77 Resp: 75512

Ion Ratio Lower Upper

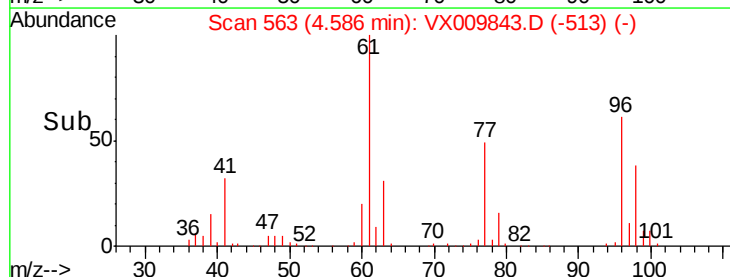
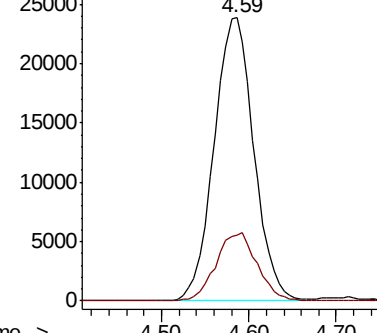
77 100

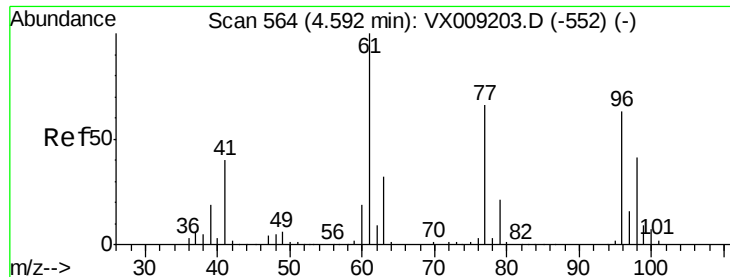
97 24.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



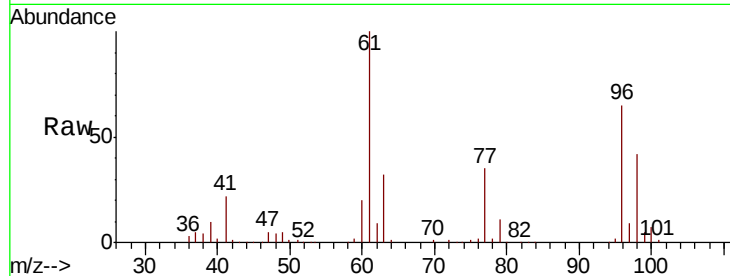


#27

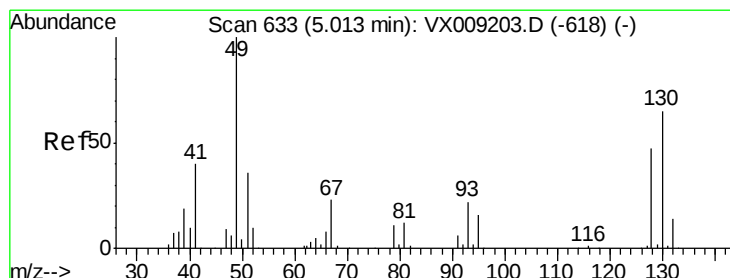
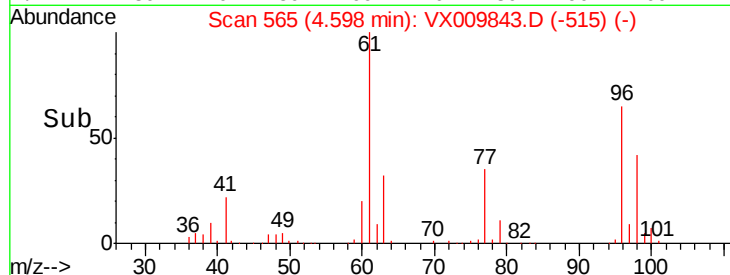
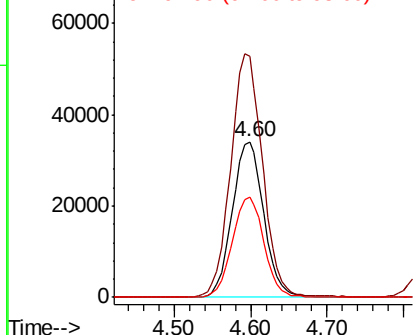
cis-1,2-Dichloroethene
Concen: 44.490 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.9	0.0	324.0
98	65.0	0.0	130.4



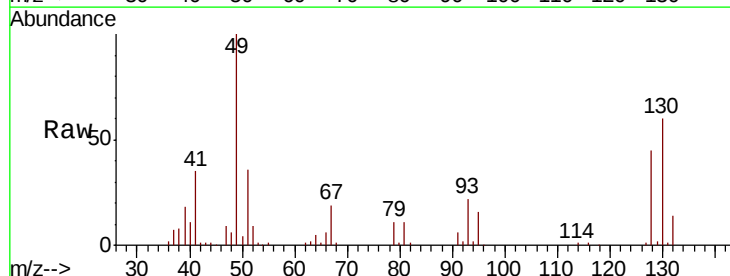
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



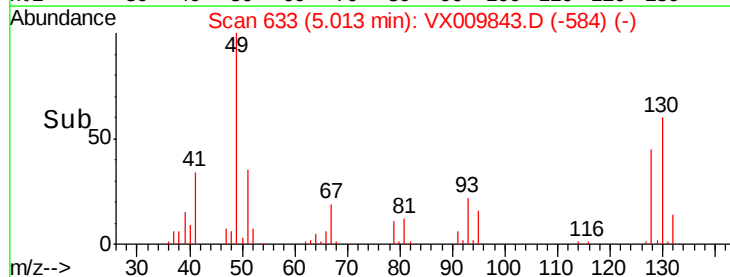
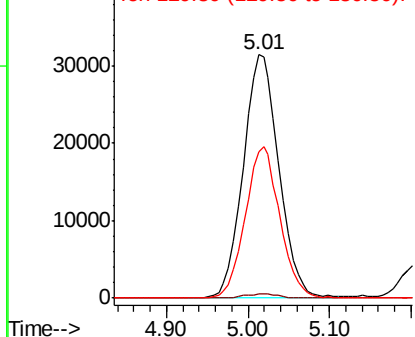
#28

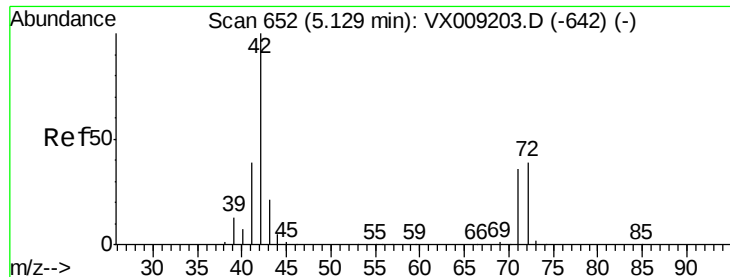
Bromochloromethane
Concen: 61.796 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	60.6	51.2	76.8



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

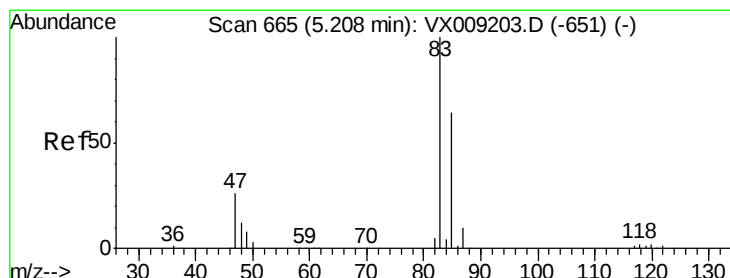
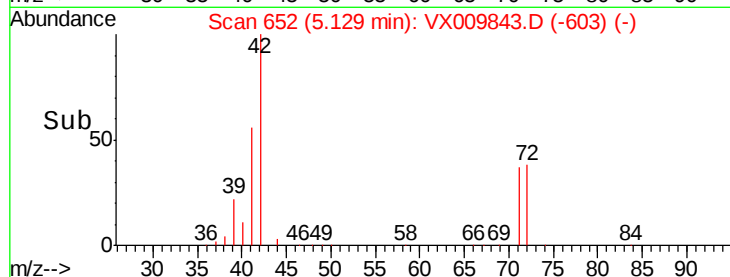
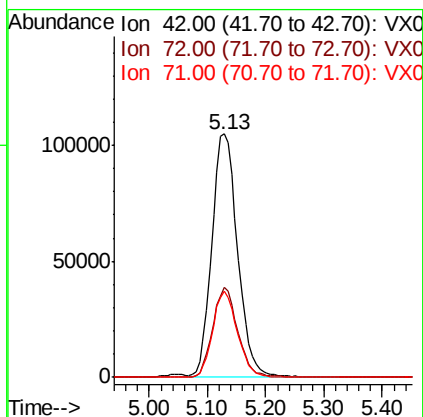
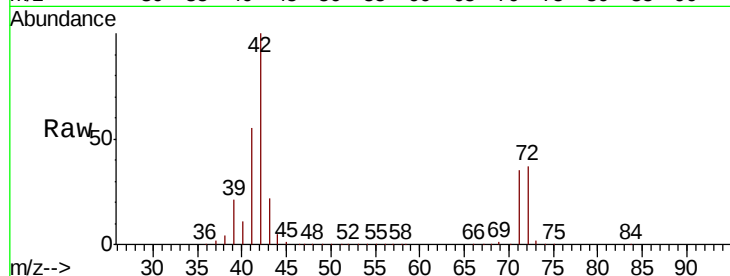




#29
Tetrahydrofuran
Concen: 244.772 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

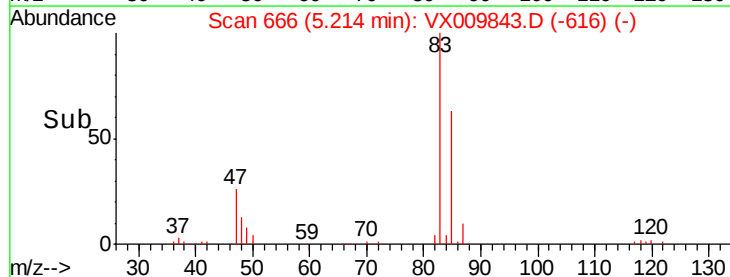
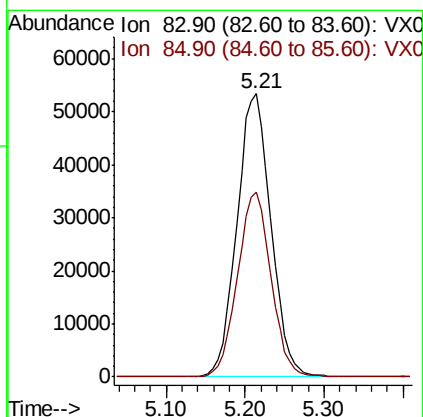
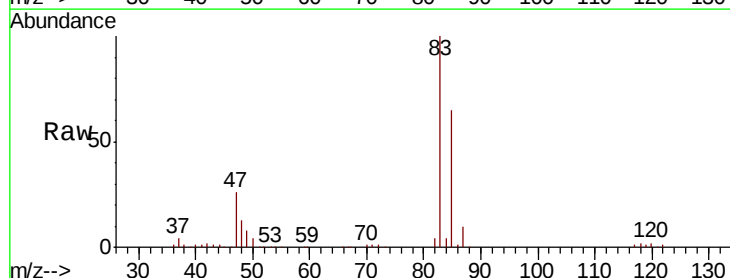
Instrument :
MSVOA_X
ClientSampled :

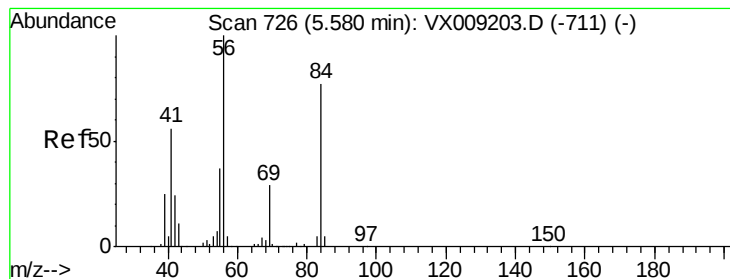
Tot Ion: 42 Resp: 320517
Ion Ratio Lower Upper
42 100
72 36.2 30.4 45.6
71 34.2 28.6 43.0



#30
Chloroform
Concen: 45.604 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion: 83 Resp: 159840
Ion Ratio Lower Upper
83 100
85 65.2 51.5 77.3





#31

Cyclohexane

Concen: 43.754 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

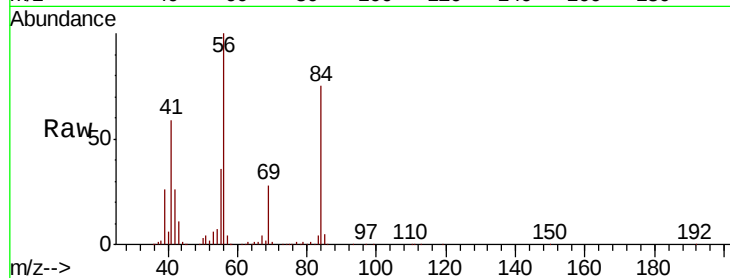
Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 157753

Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.4	35.0
84	73.3	61.9	92.9

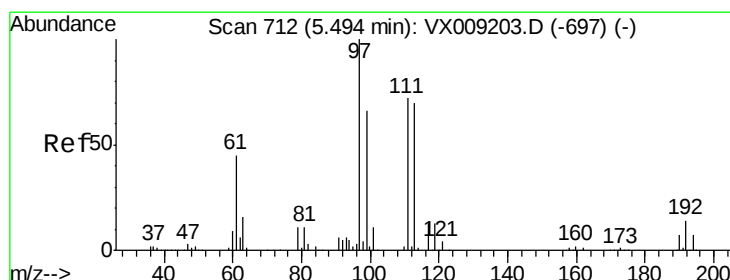
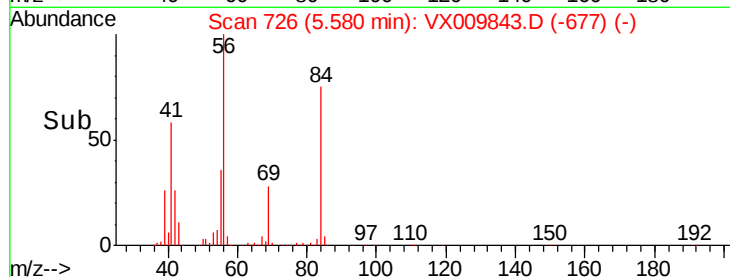
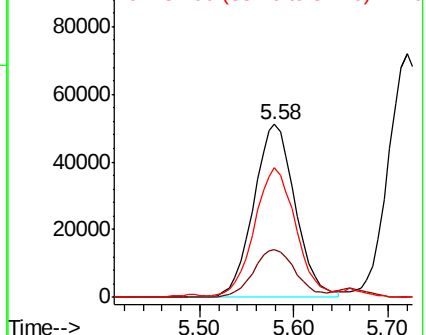


Abundance

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: 44.609 ug/l

RT: 5.49 min Scan# 712

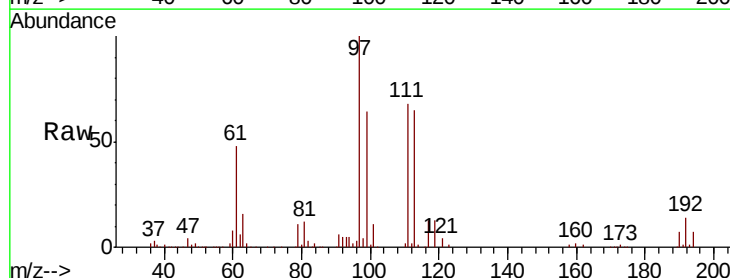
Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Tgt Ion: 97 Resp: 130157

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.8	77.8
61	49.2	37.8	56.8

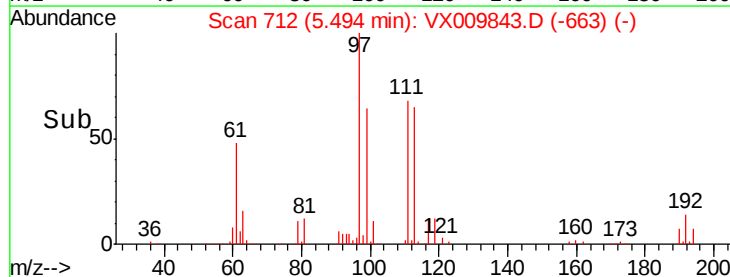
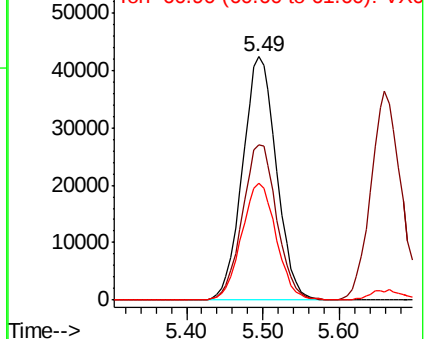


Abundance

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

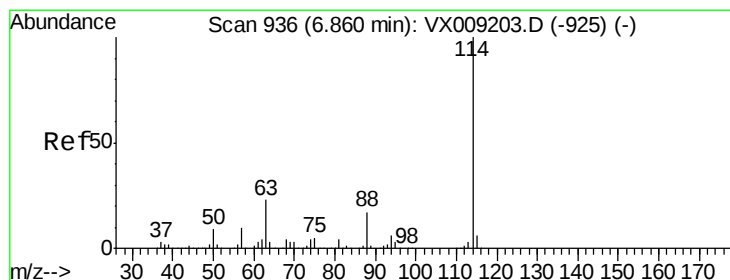
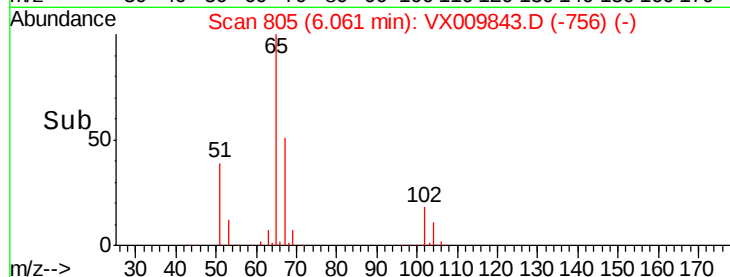
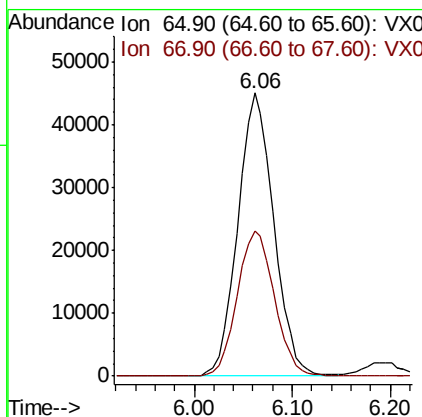
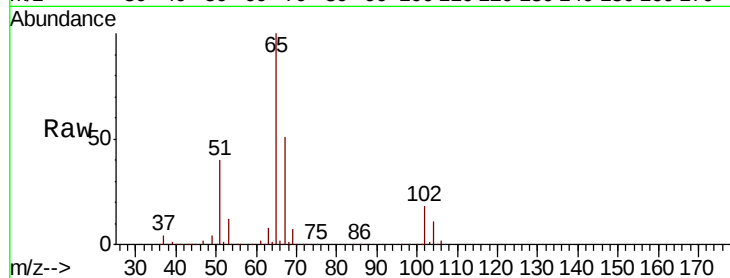




#33
 1,2-Dichloroethane-d4
 Concen: 47.078 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

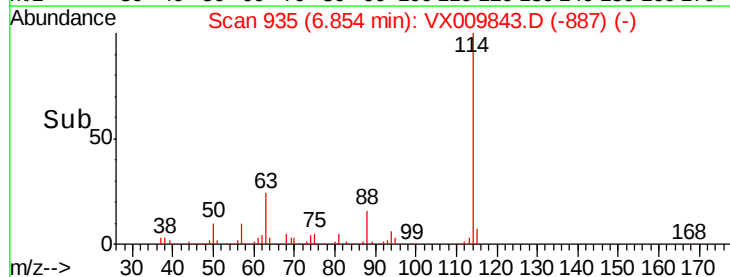
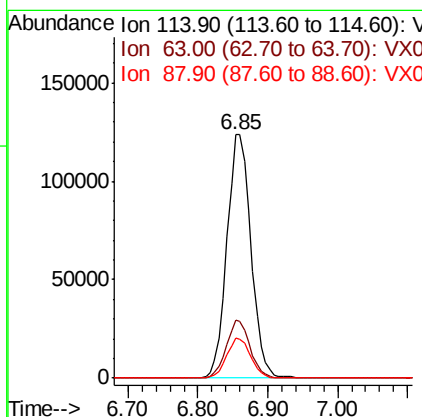
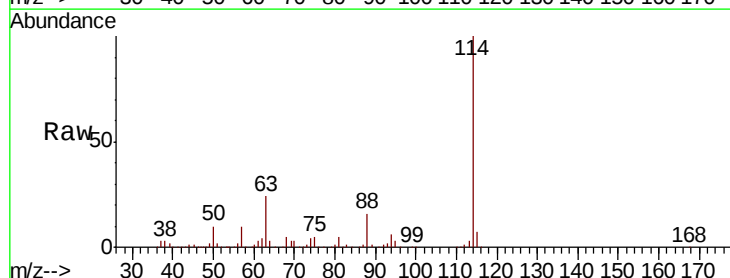
Instrument :
 MSVOA_X
 ClientSampled :

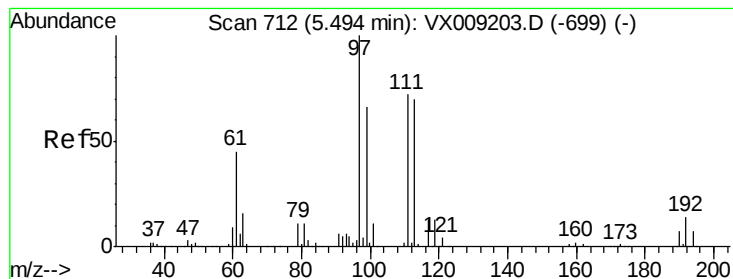
Tot Ion: 65 Resp: 114810
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Tgt Ion: 114 Resp: 296211
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 45.6
 88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 43.830 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

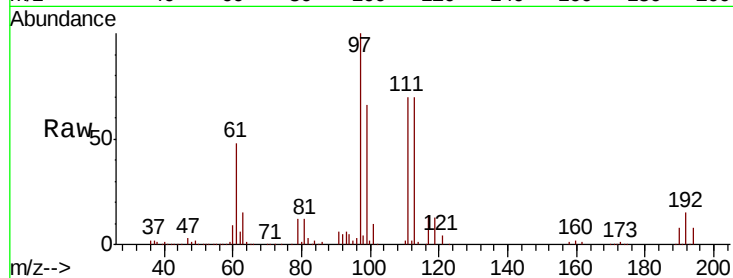
Tot Ion:113 Resp: 81616

Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

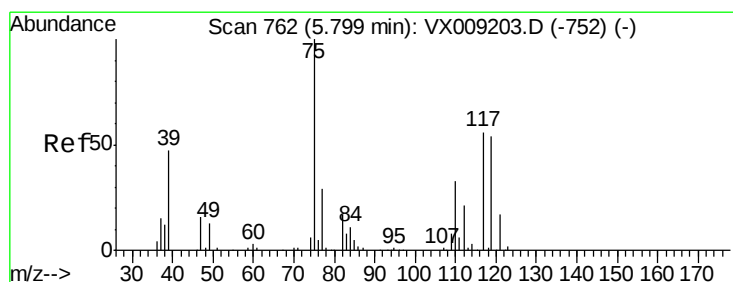
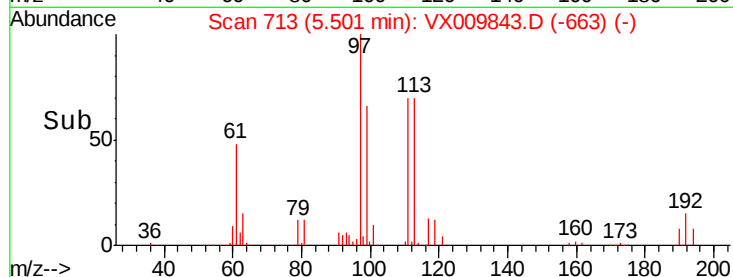
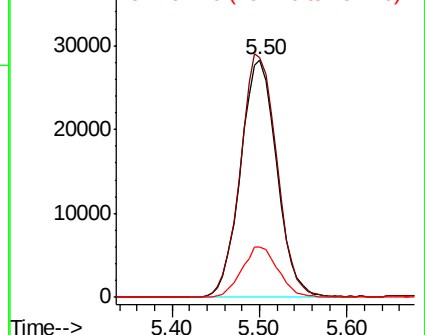
192 21.4 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.273 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

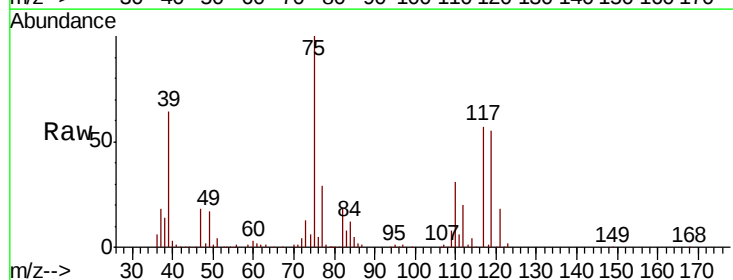
Tgt Ion: 75 Resp: 121871

Ion Ratio Lower Upper

75 100

110 33.2 16.9 50.6

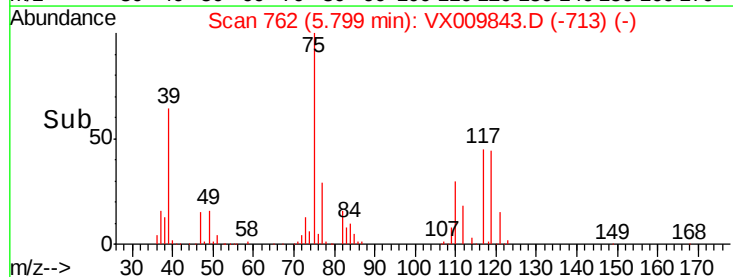
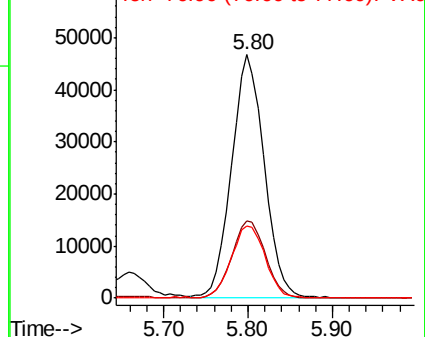
77 30.9 24.8 37.2

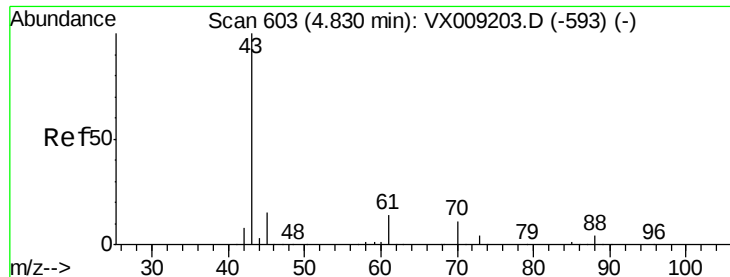


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

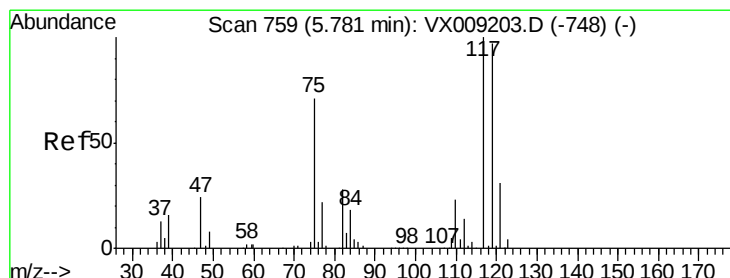
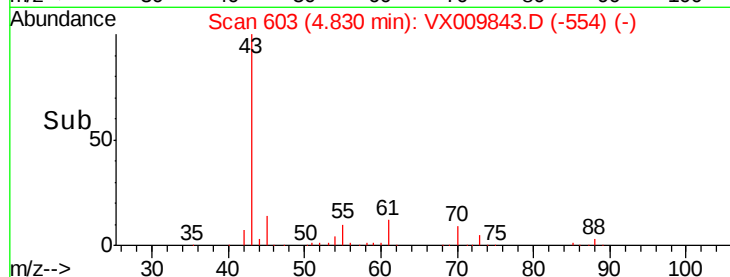
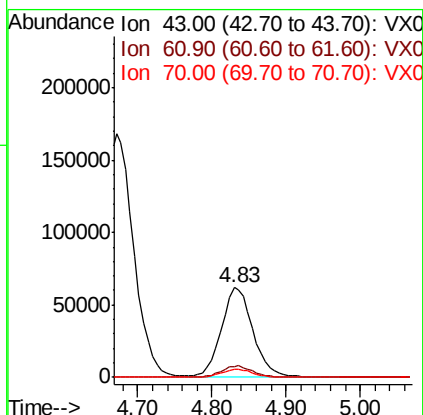
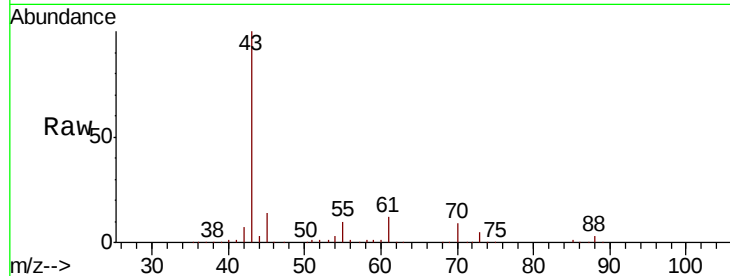




#37
Ethyl Acetate
Concen: 47.187 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

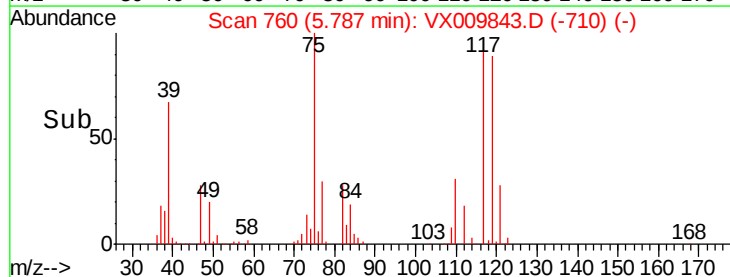
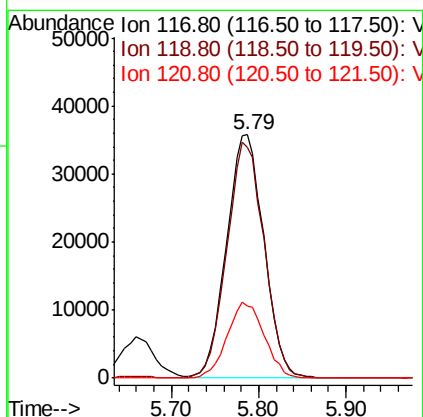
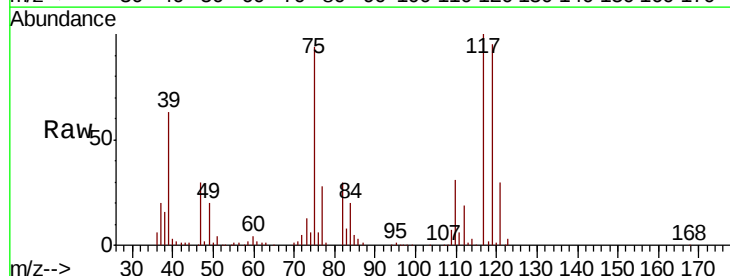
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 180978
Ion Ratio Lower Upper
43 100
61 12.3 10.5 15.7
70 9.2 7.9 11.9



#38
Carbon Tetrachloride
Concen: 42.528 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion: 117 Resp: 106365
Ion Ratio Lower Upper
117 100
119 94.9 77.5 116.3
121 29.9 24.7 37.1

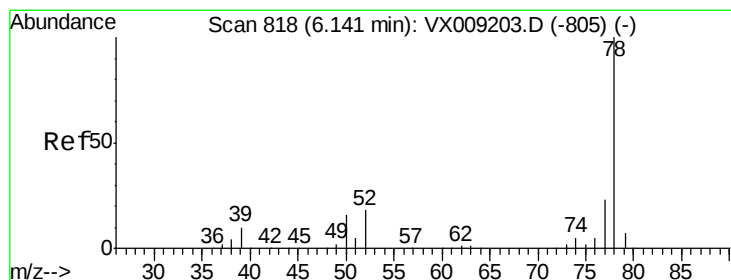
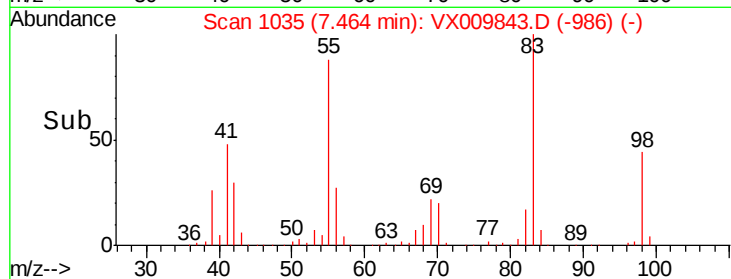
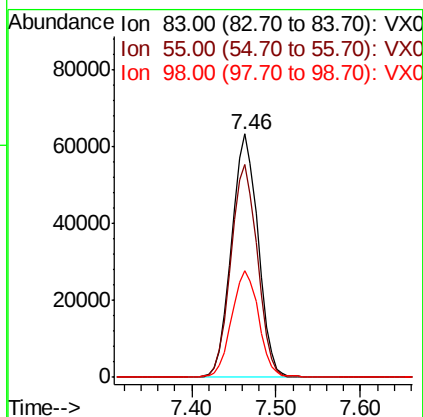
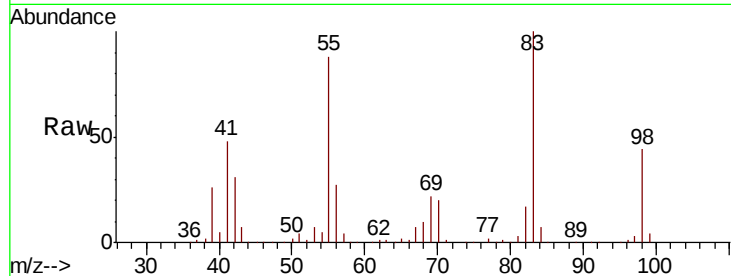




#39
Methvlcvclohexane
Concen: 40.011 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

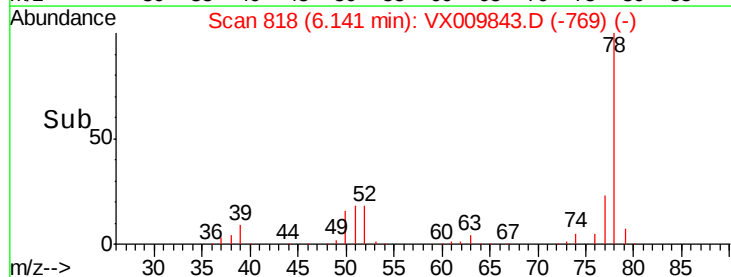
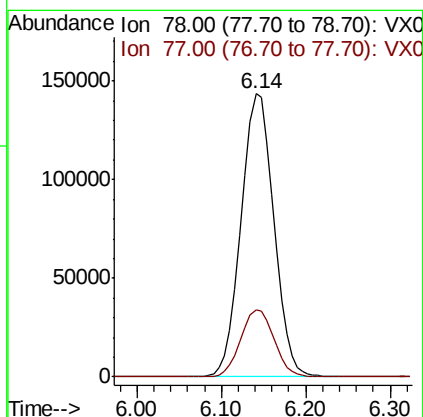
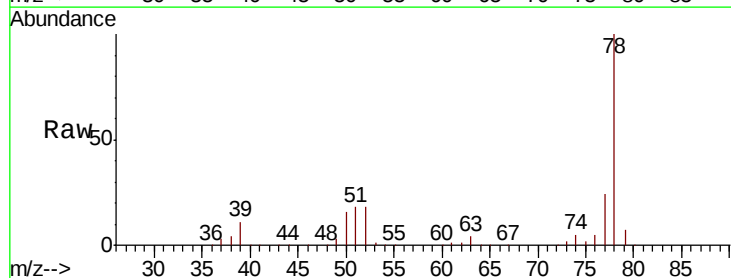
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 83 Resp: 135260
Ion Ratio Lower Upper
83 100
55 87.6 67.7 101.5
98 43.8 35.5 53.3



#40
Benzene
Concen: 44.388 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion: 78 Resp: 378150
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2





#41

Methacrylonitrile

Concen: 45.616 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

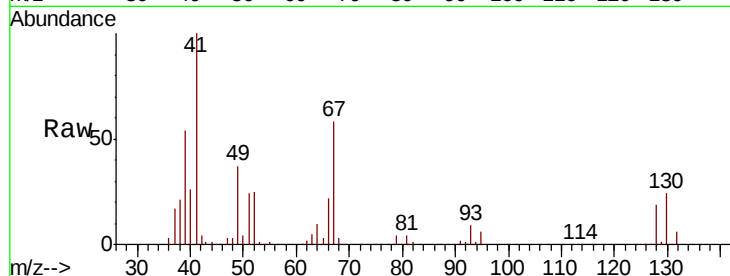
Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 104145

Ion	Ratio	Lower	Upper
41	100		
39	53.0	42.0	63.0
67	59.8	49.8	74.8
52	25.0	20.3	30.5

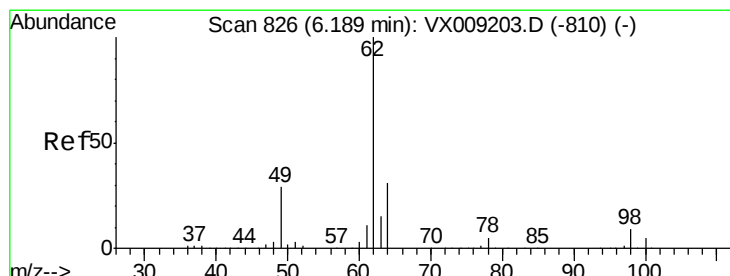
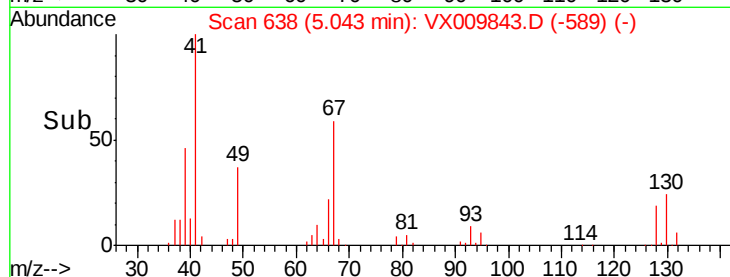


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 45.529 ug/l

RT: 6.19 min Scan# 826

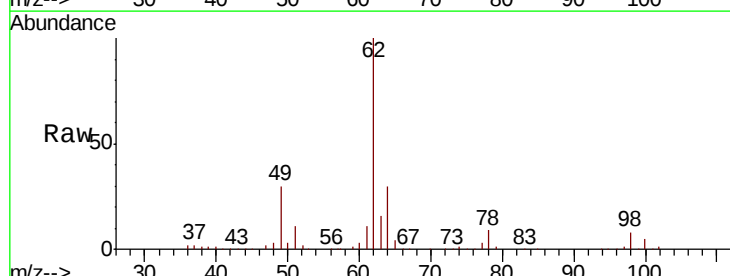
Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

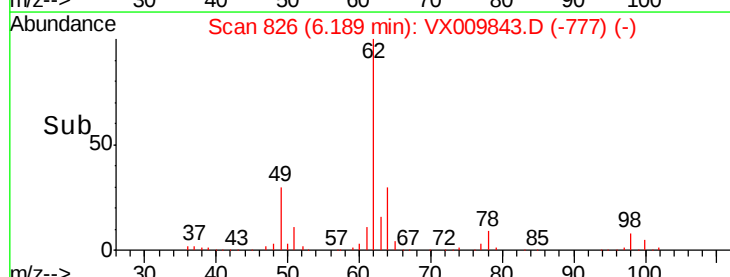
Tgt Ion: 62 Resp: 139136

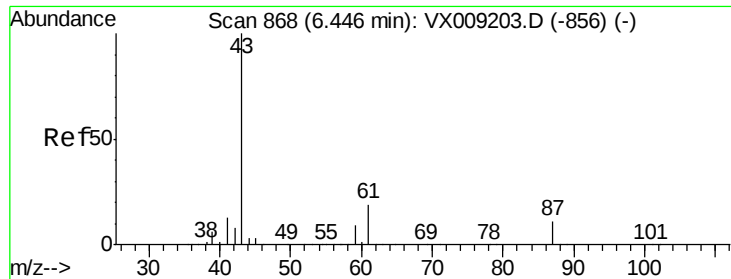
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 47.192 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

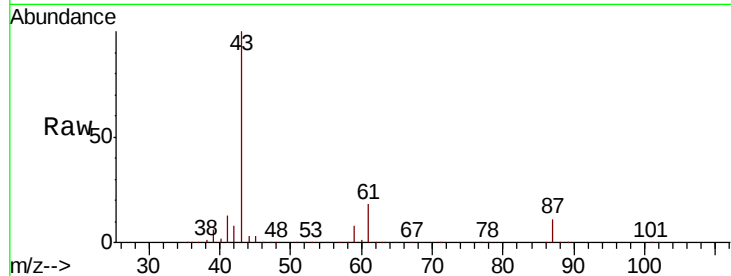
Tot Ion: 43 Resp: 289518

Ion Ratio Lower Upper

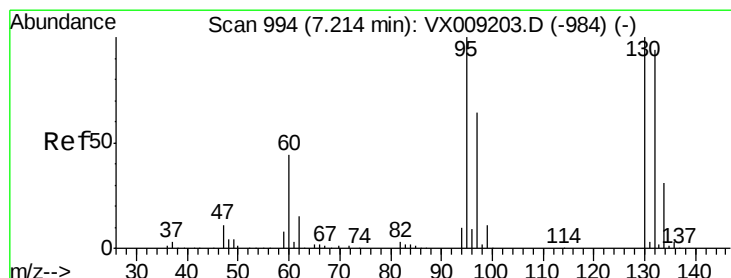
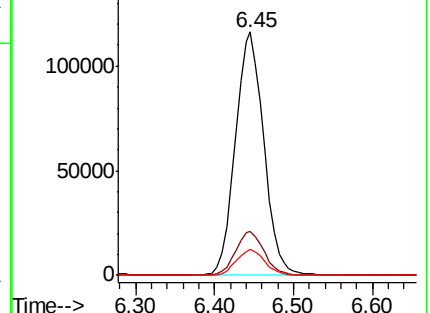
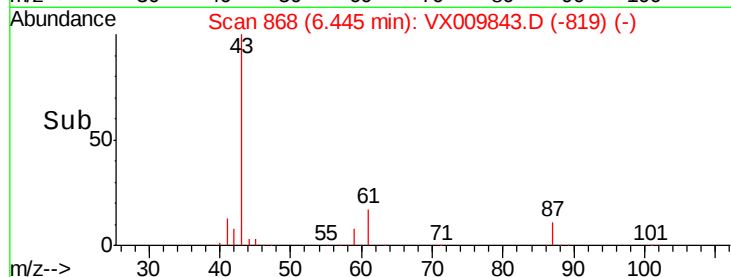
43 100

61 18.2 15.1 22.7

87 10.7 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 61.00 (60.70 to 61.70): VX0
Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 43.154 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009843.D

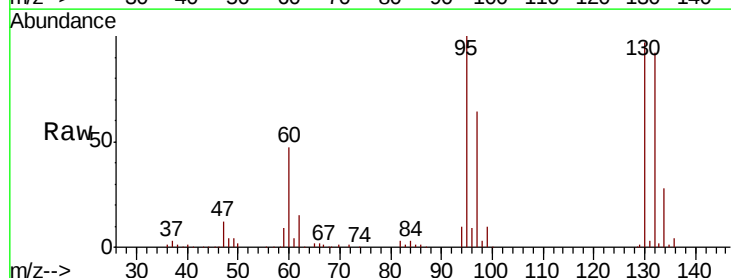
Acq: 23 May 2019 07:31

Tgt Ion:130 Resp: 88878

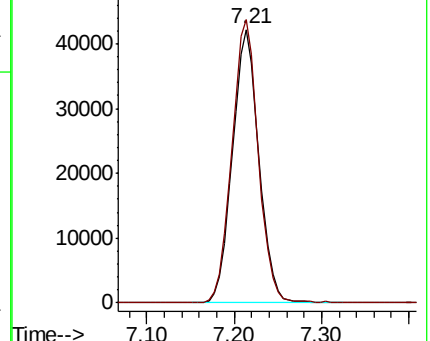
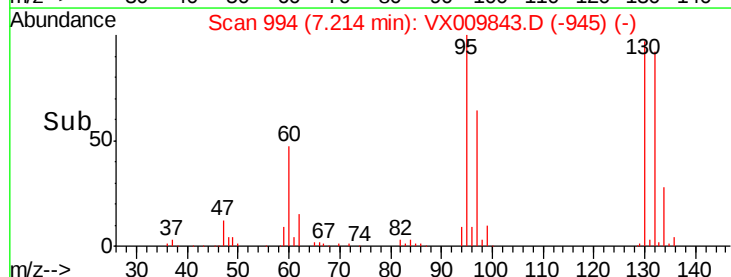
Ion Ratio Lower Upper

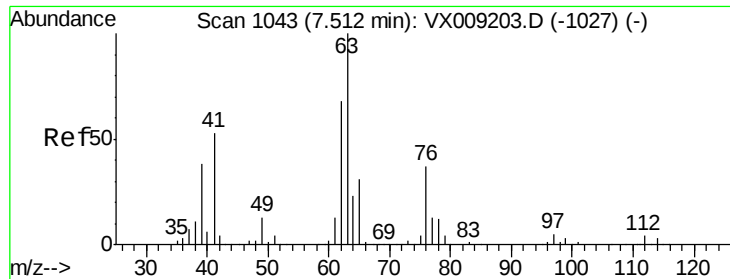
130 100

95 103.4 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 44.450 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

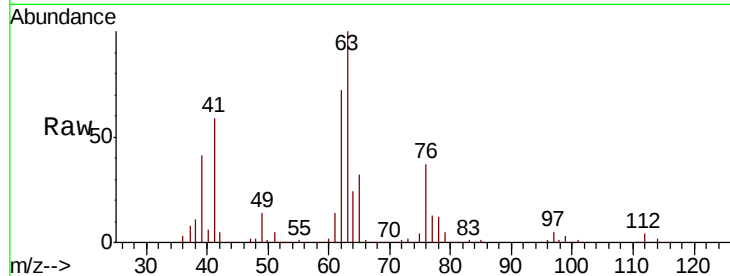
ClientSampled :

Tot Ion: 63 Resp: 107226

Ion Ratio Lower Upper

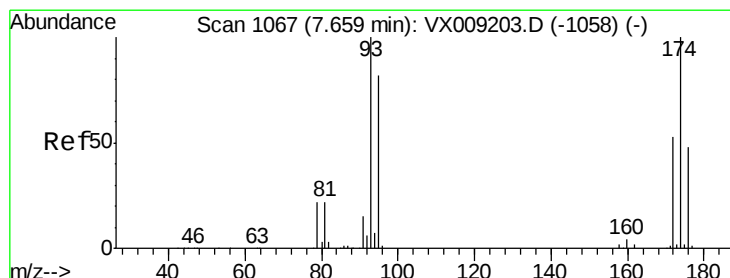
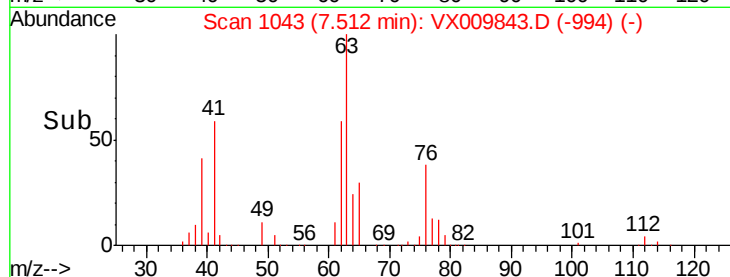
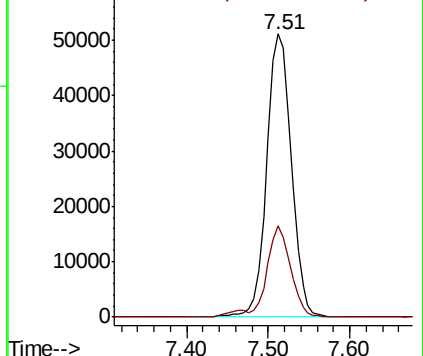
63 100

65 32.2 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 43.738 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

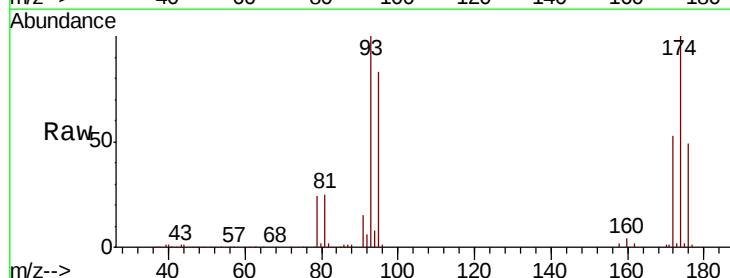
Tgt Ion: 93 Resp: 61270

Ion Ratio Lower Upper

93 100

95 83.4 66.5 99.7

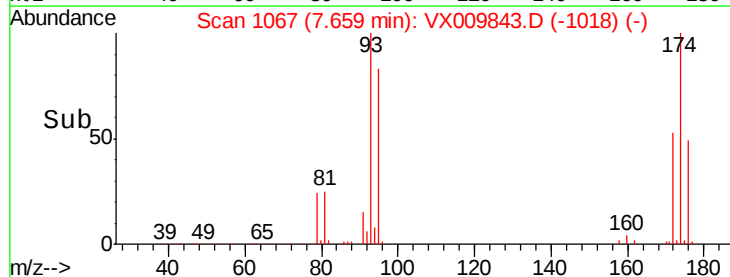
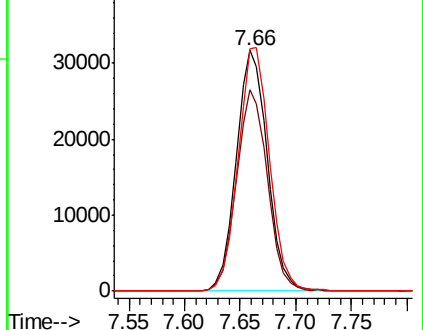
174 102.4 82.1 123.1

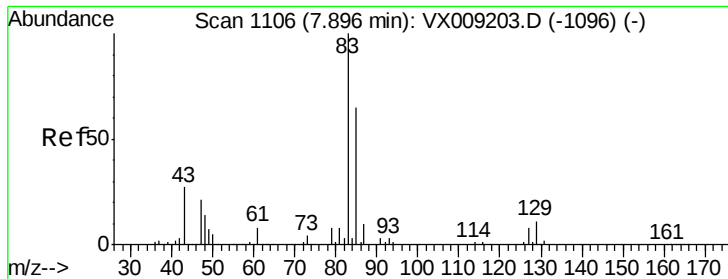


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 43.641 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

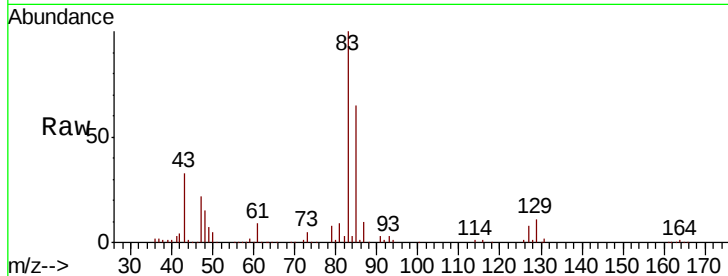
Tot Ion: 83 Resp: 121947

Ion Ratio Lower Upper

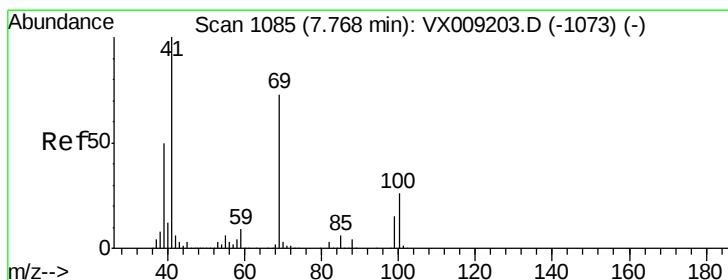
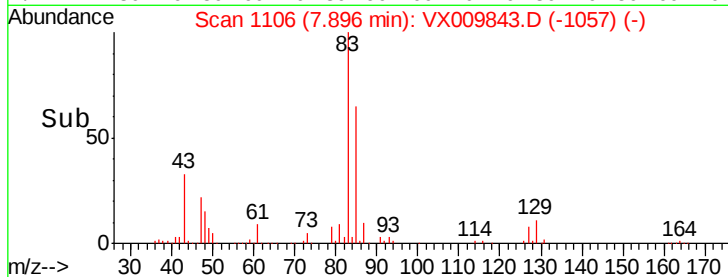
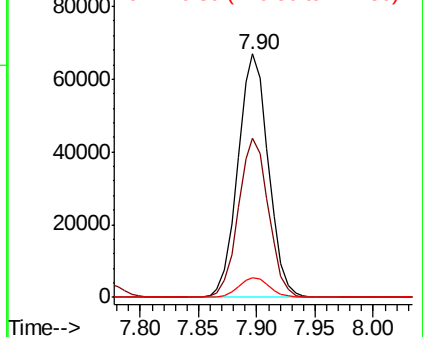
83 100

85 65.3 52.4 78.6

127 8.2 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.654 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

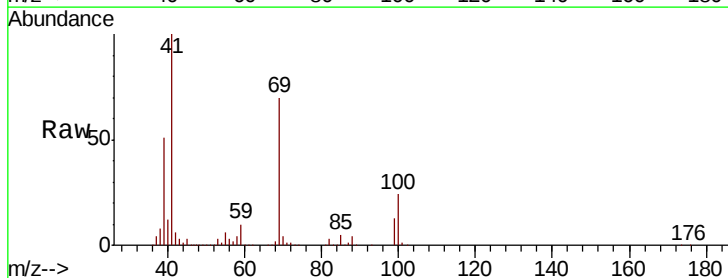
Tgt Ion: 41 Resp: 145043

Ion Ratio Lower Upper

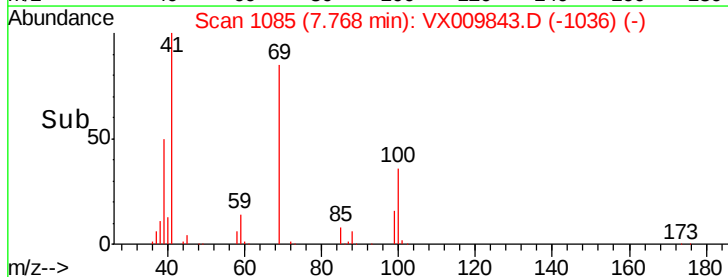
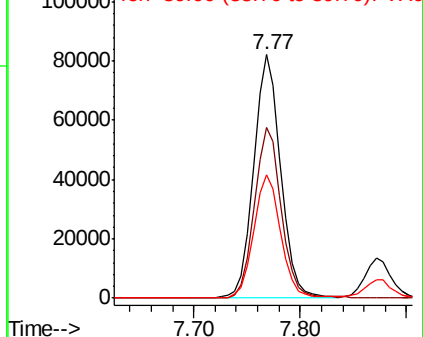
41 100

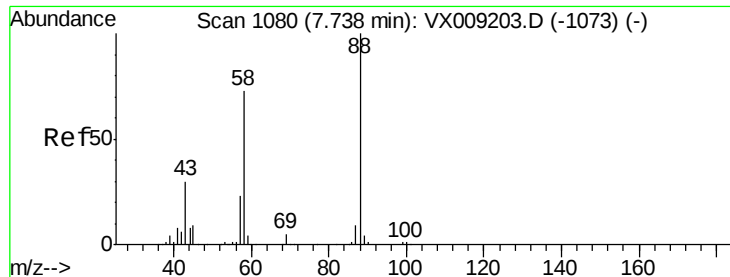
69 70.4 59.1 88.7

39 51.1 40.4 60.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 833.341 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :
MSVOA_X
ClientSampleId :

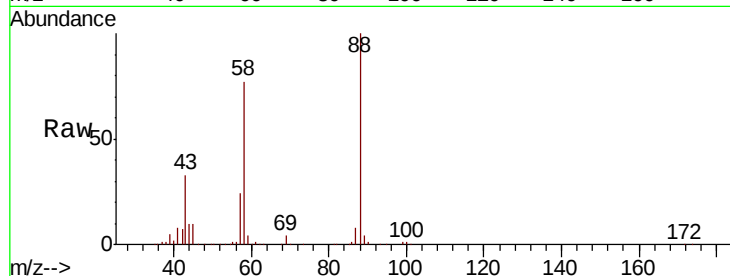
Tot Ion: 88 Resp: 51438

Ion Ratio Lower Upper

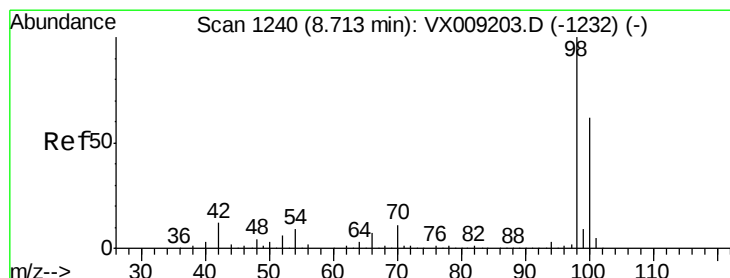
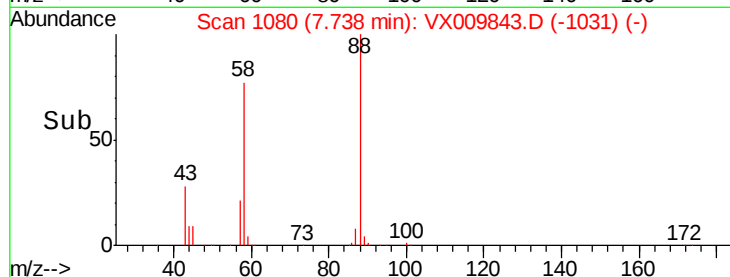
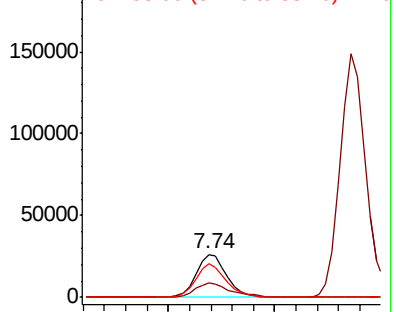
88 100

43 38.4 28.6 42.8

58 80.4 61.7 92.5



Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 43.934 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009843.D

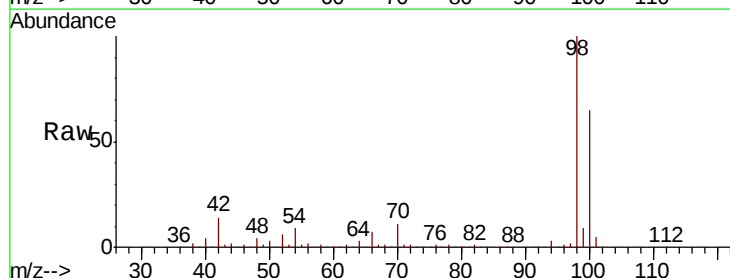
Acq: 23 May 2019 07:31

Tgt Ion: 98 Resp: 330284

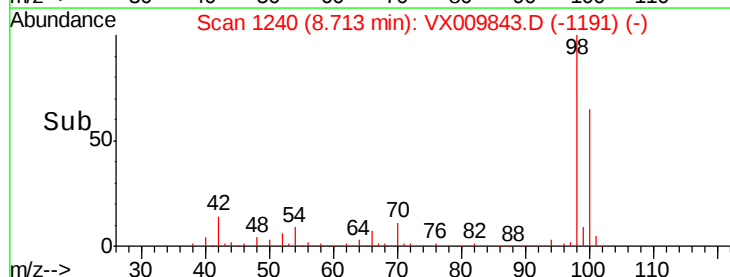
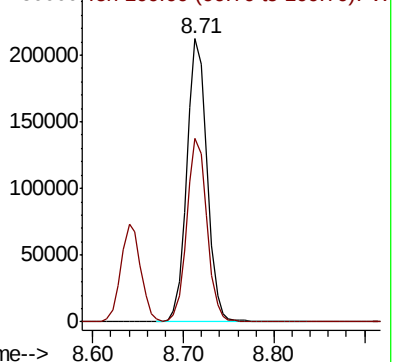
Ion Ratio Lower Upper

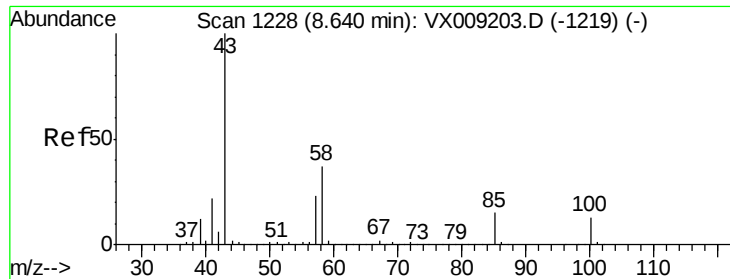
98 100

100 64.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 239.309 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

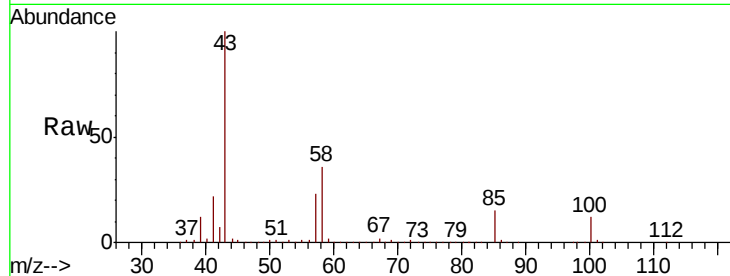
ClientSampleId :

Tot Ion: 43 Resp: 959601

Ion Ratio Lower Upper

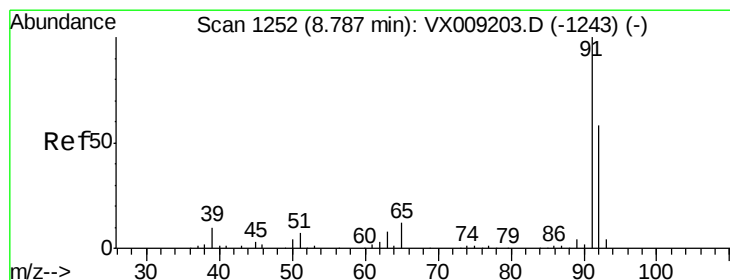
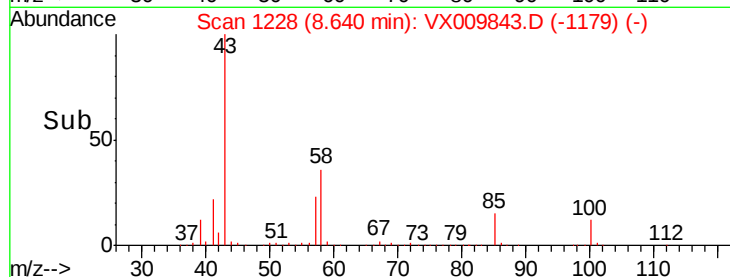
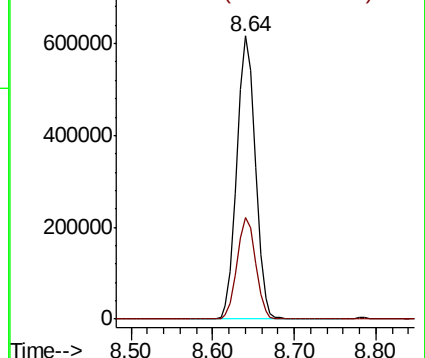
43 100

58 35.9 29.5 44.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 43.759 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009843.D

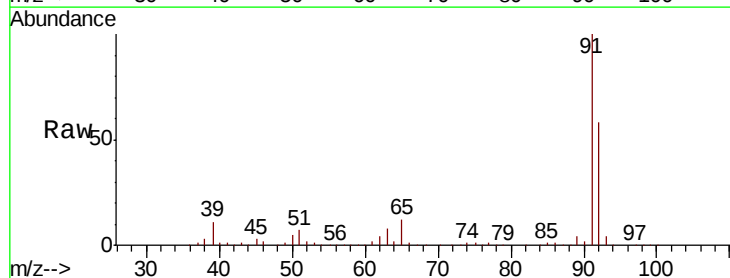
Acq: 23 May 2019 07:31

Tgt Ion: 92 Resp: 226609

Ion Ratio Lower Upper

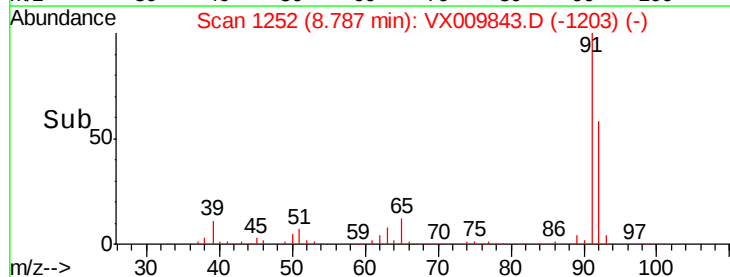
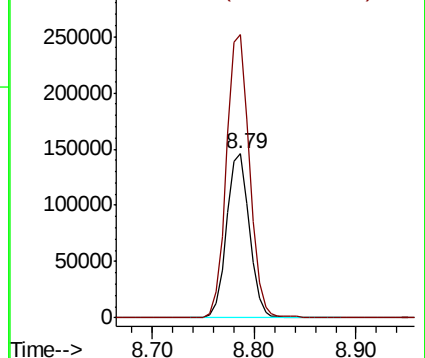
92 100

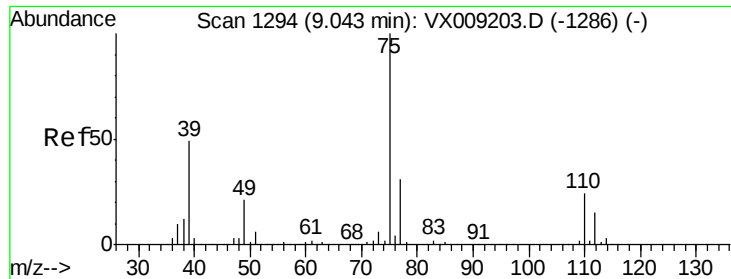
91 174.4 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

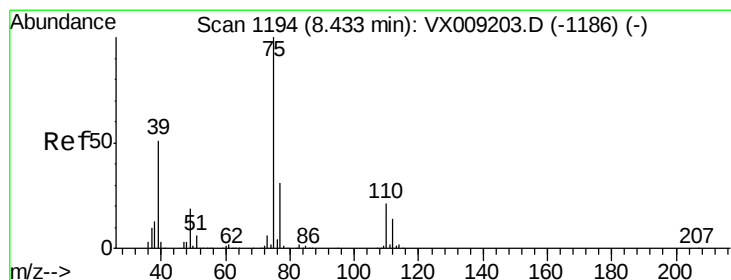
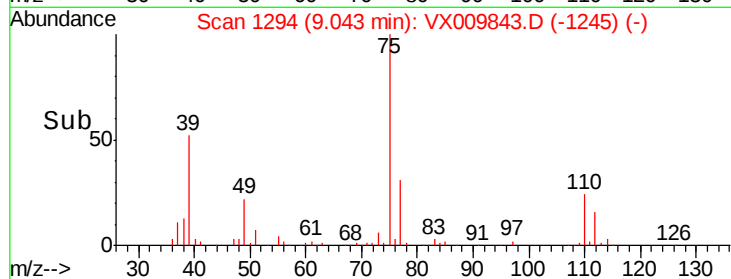
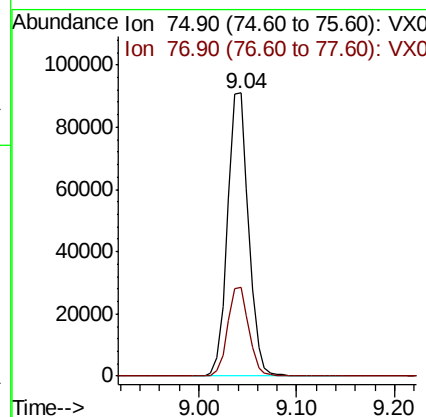
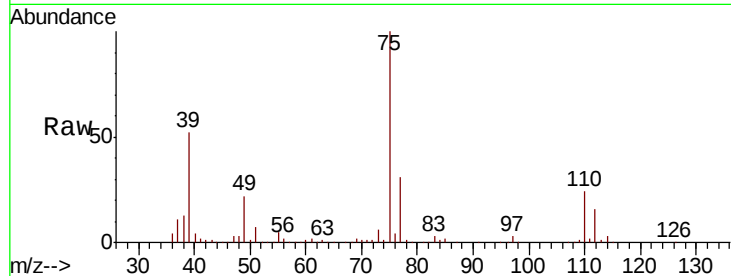




#53
t-1,3-Dichloropropene
Concen: 43.042 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

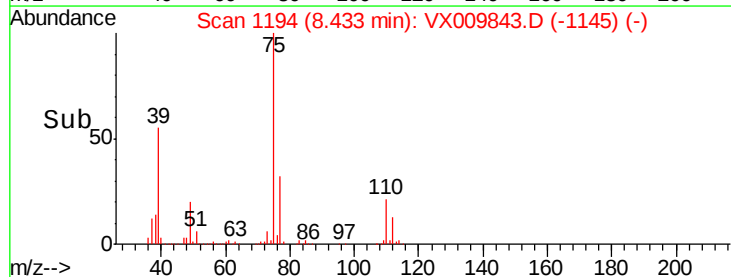
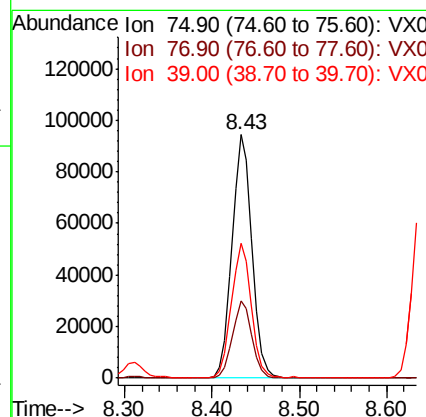
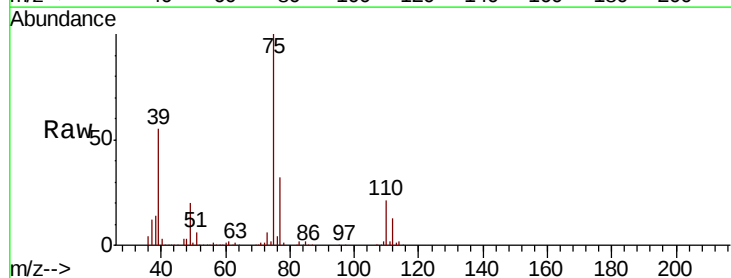
Instrument :
MSVOA_X
ClientSampled :

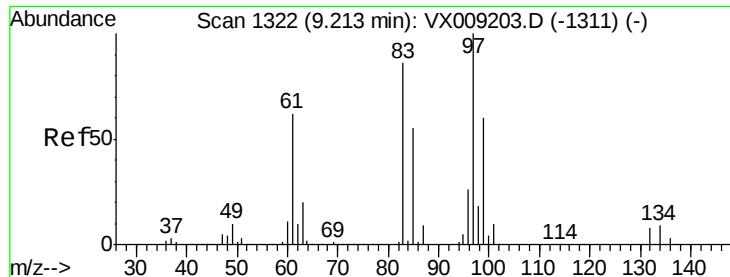
Tot Ion: 75 Resp: 135788
Ion Ratio Lower Upper
75 100
77 31.3 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 42.692 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion: 75 Resp: 149076
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8
39 55.2 40.6 60.8

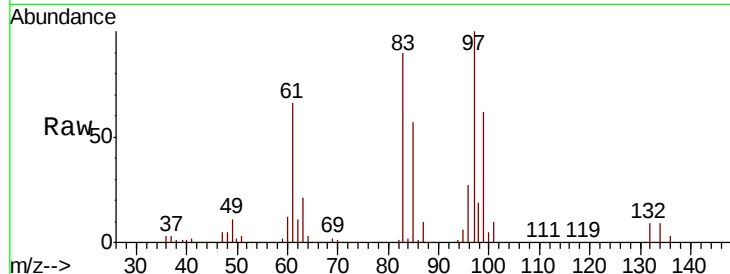




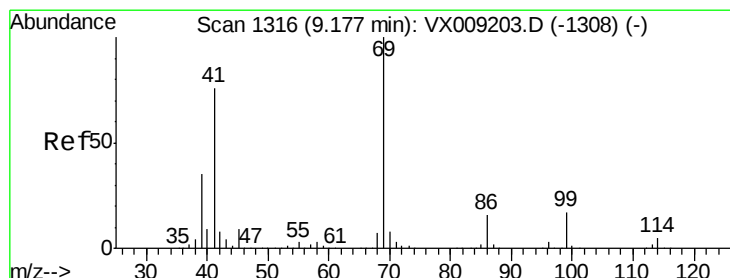
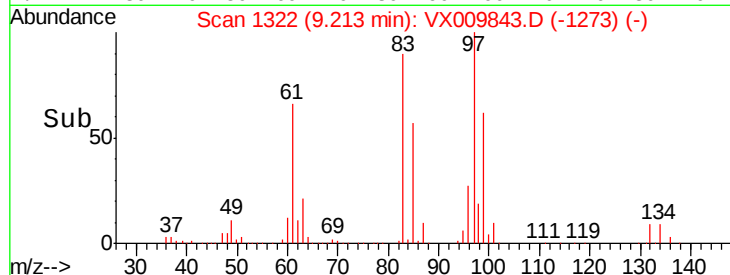
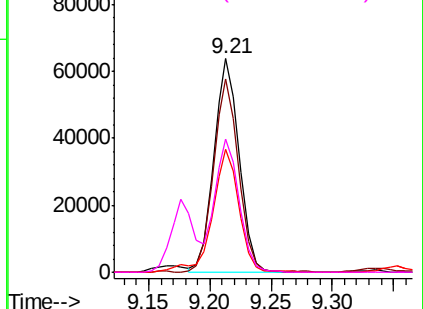
#55
 1,1,2-Trichloroethane
 Concen: 43.458 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 97 Resp: 91814
 Ion Ratio Lower Upper
 97 100
 83 90.3 68.9 103.3
 85 57.3 43.8 65.6
 99 62.1 48.2 72.2

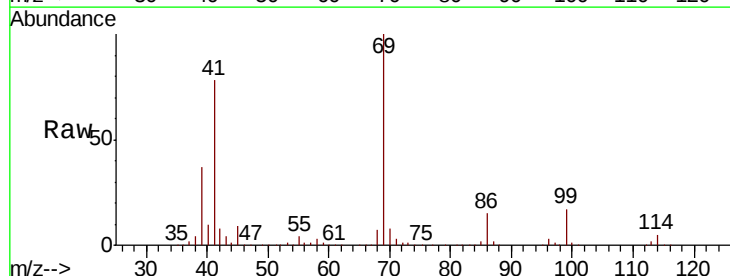


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

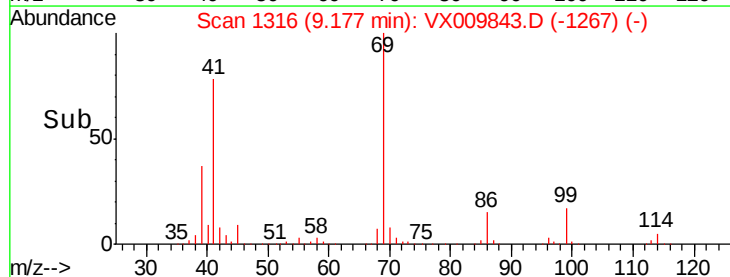
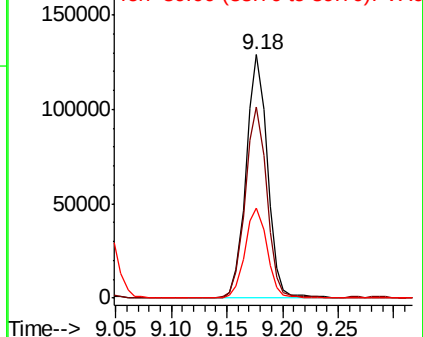


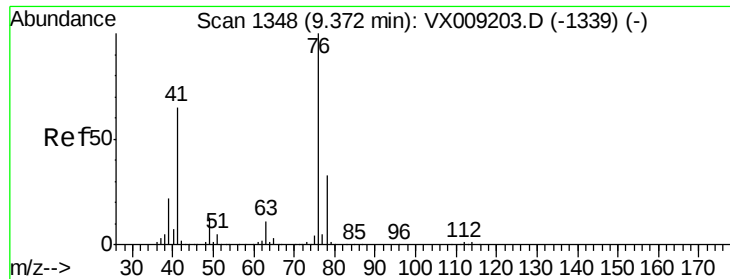
#56
 Ethyl methacrylate
 Concen: 45.683 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Tgt Ion: 69 Resp: 172284
 Ion Ratio Lower Upper
 69 100
 41 79.4 60.6 90.8
 39 38.1 28.2 42.4



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 44.459 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

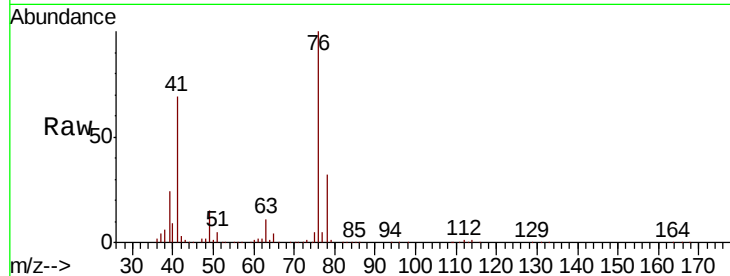
ClientSampleId :

Tot Ion: 76 Resp: 165292

Ion Ratio Lower Upper

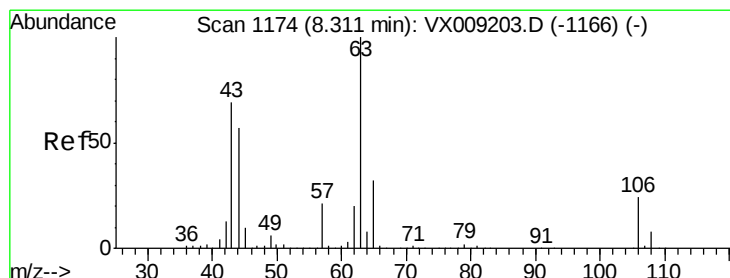
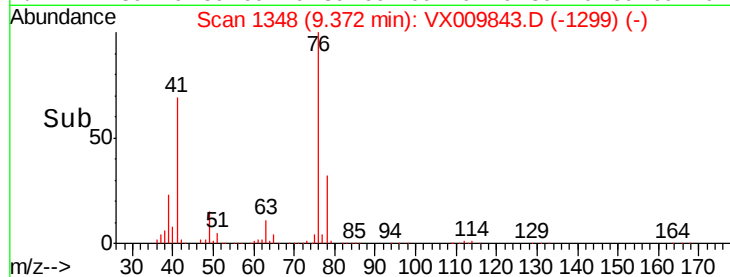
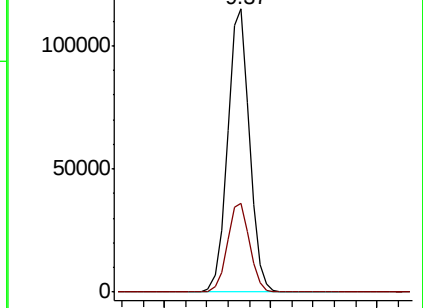
76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 217.396 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009843.D

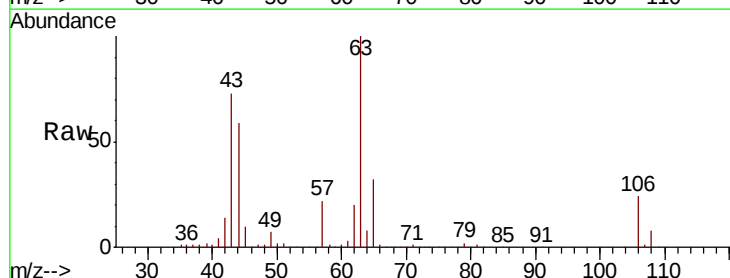
Acq: 23 May 2019 07:31

Tgt Ion: 63 Resp: 434939

Ion Ratio Lower Upper

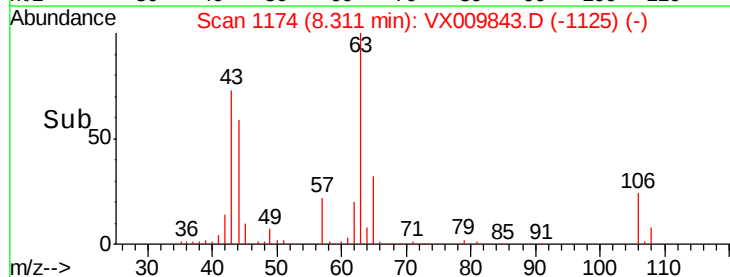
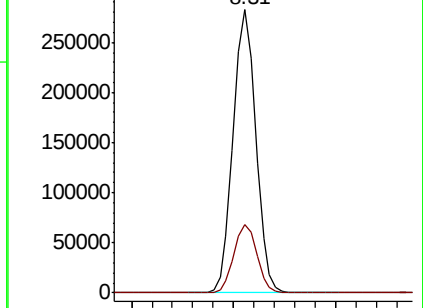
63 100

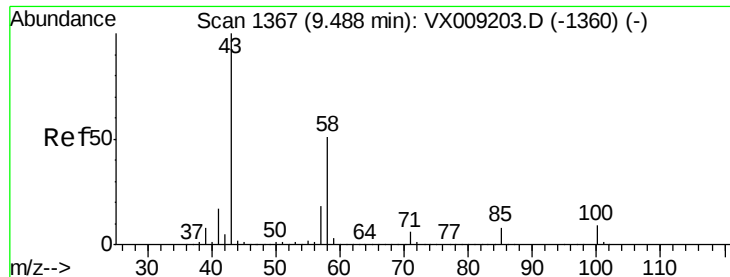
106 24.4 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

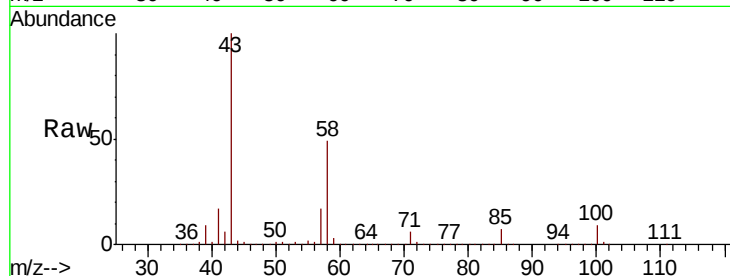




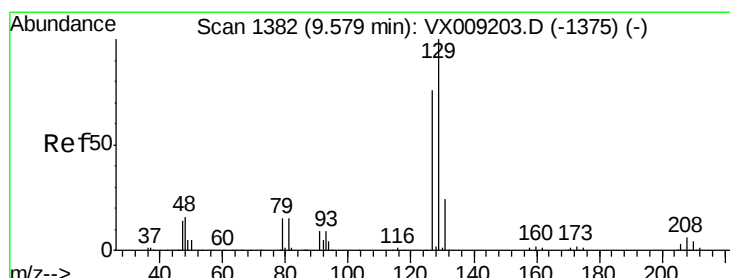
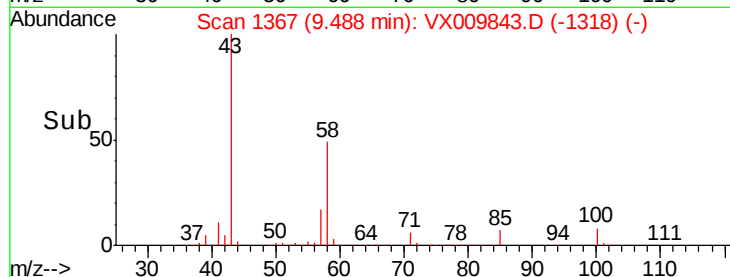
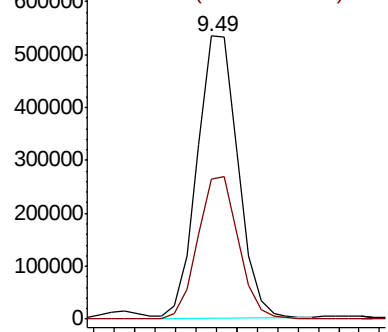
#59
2-Hexanone
Concen: 232.581 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 732470
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7

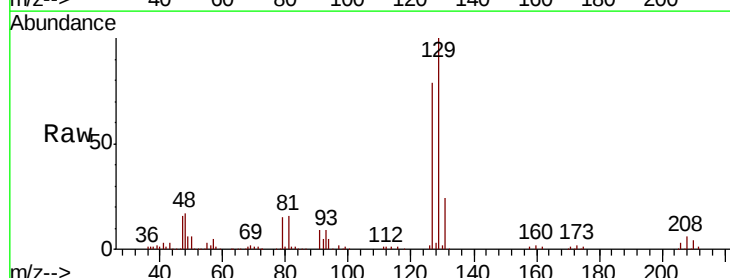


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

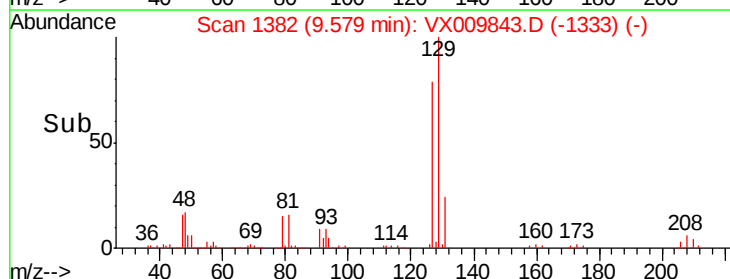
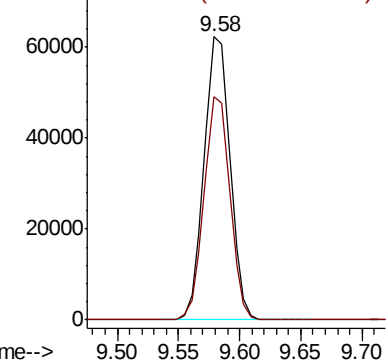


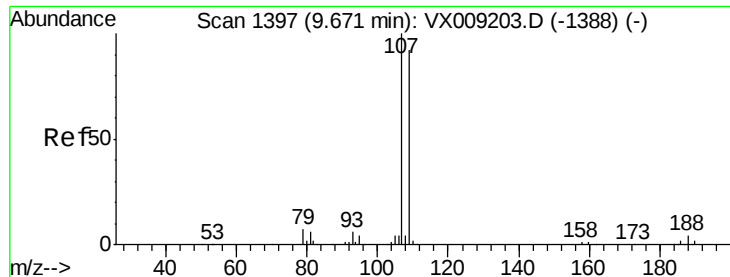
#60
Dibromochloromethane
Concen: 44.304 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion:129 Resp: 91420
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.1



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 44.508 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

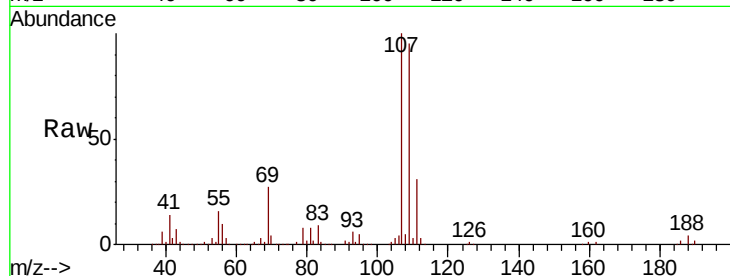
ClientSampleId :

Tot Ion:107 Resp: 94921

Ion Ratio Lower Upper

107 100

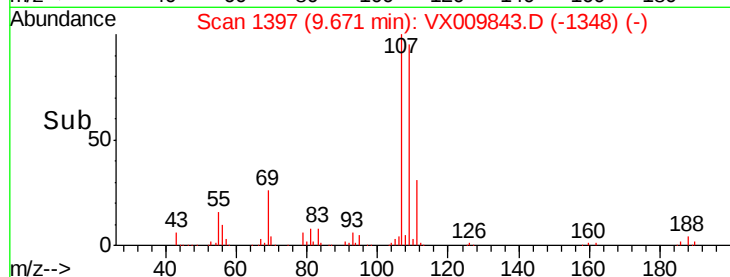
109 95.3 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67



80000

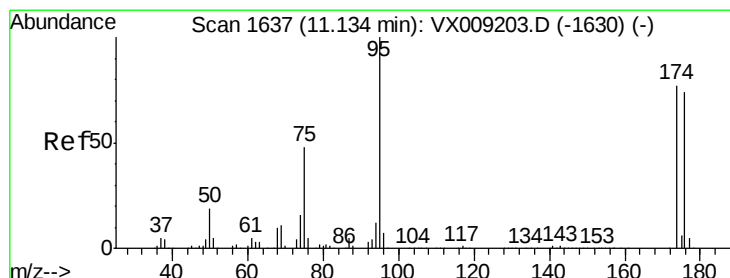
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.692 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

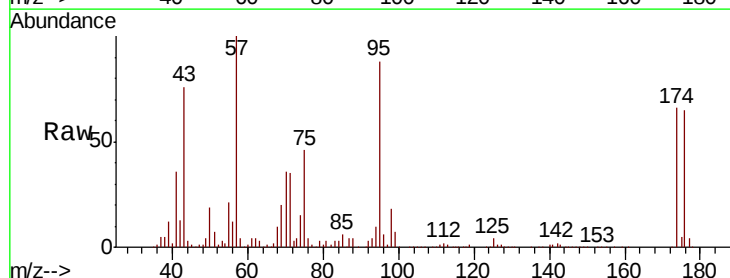
Tgt Ion: 95 Resp: 127546

Ion Ratio Lower Upper

95 100

174 78.4 0.0 161.6

176 77.0 0.0 159.2

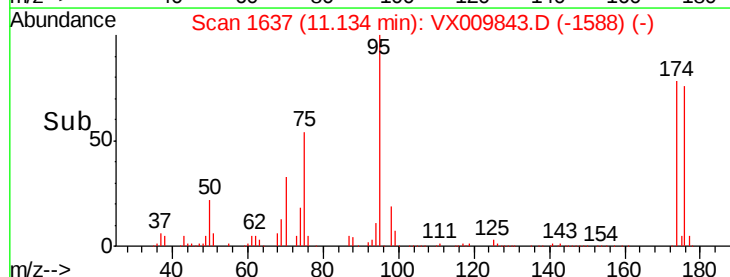


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

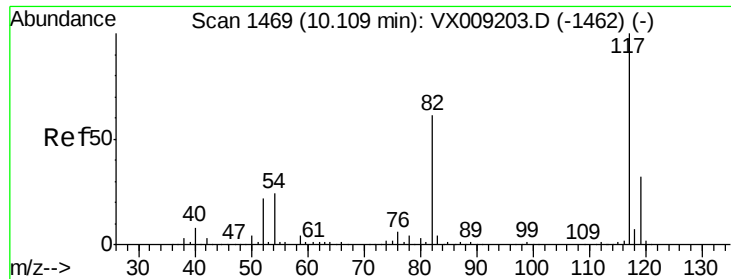


100000

50000

0

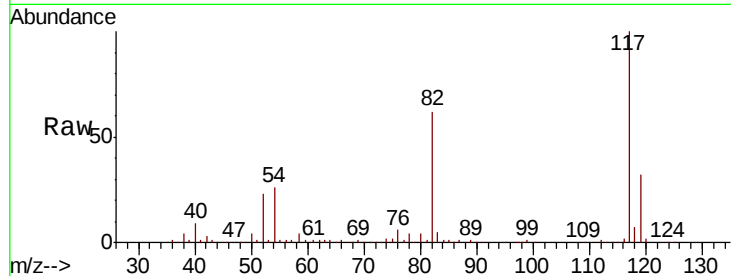
Time-->



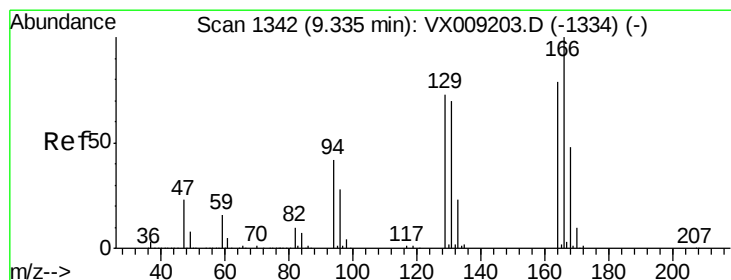
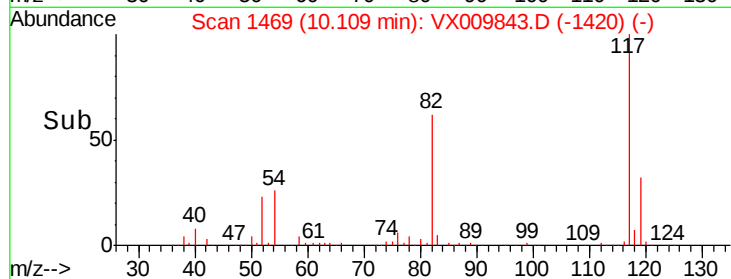
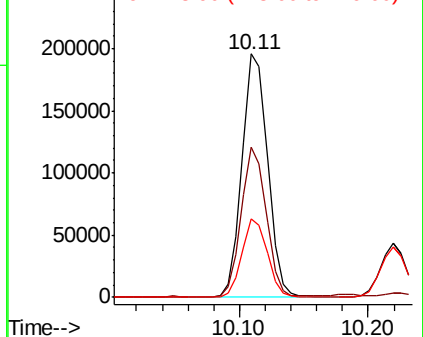
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 270346
Ion Ratio Lower Upper
117 100
82 61.3 48.8 73.2
119 32.4 25.8 38.6



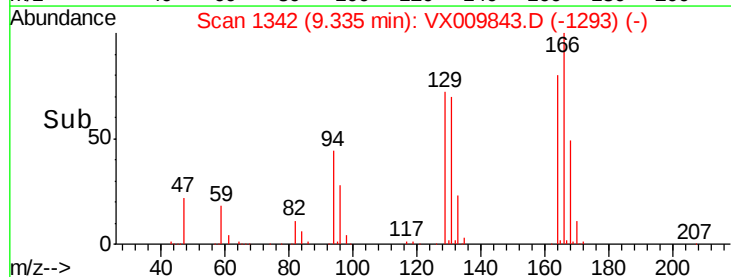
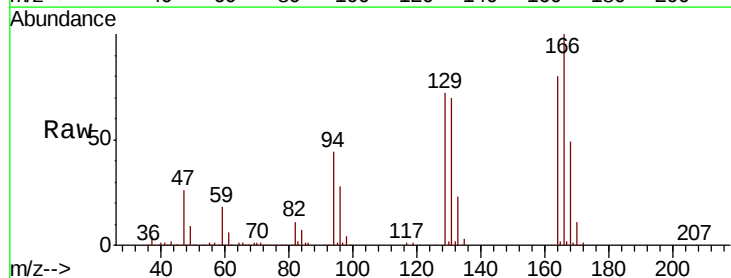
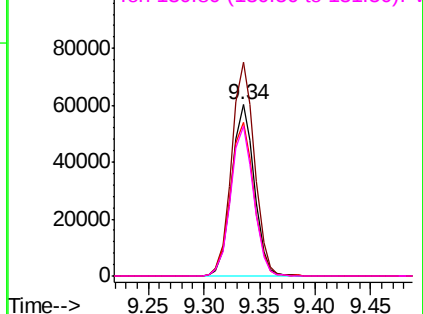
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

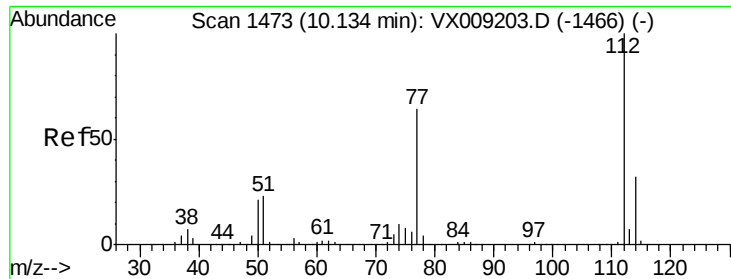


#64
Tetrachloroethene
Concen: 45.640 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion:164 Resp: 84638
Ion Ratio Lower Upper
164 100
166 124.6 101.2 151.8
129 89.4 74.3 111.5
131 87.7 71.0 106.6

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

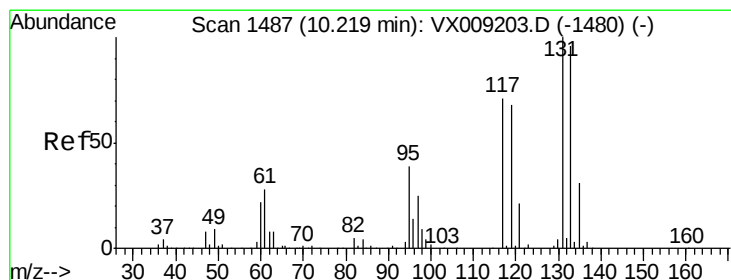
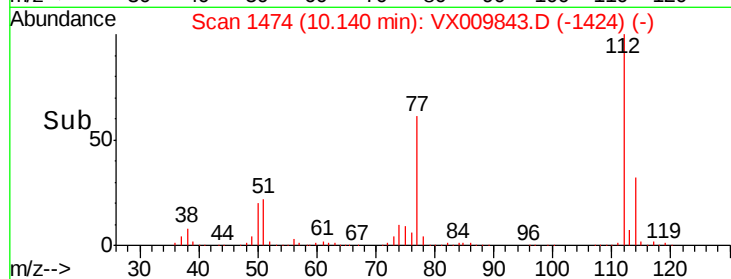
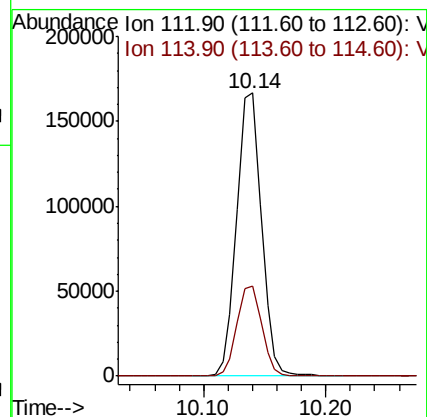
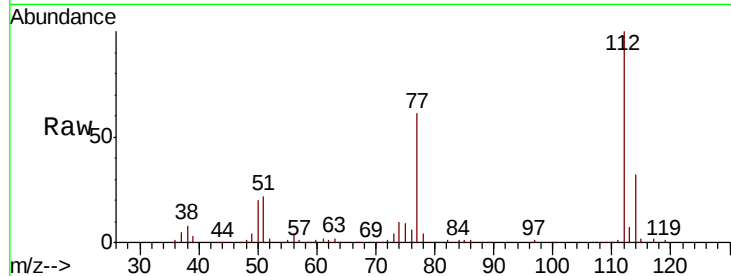




#65
Chlorobenzene
Concen: 43.206 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

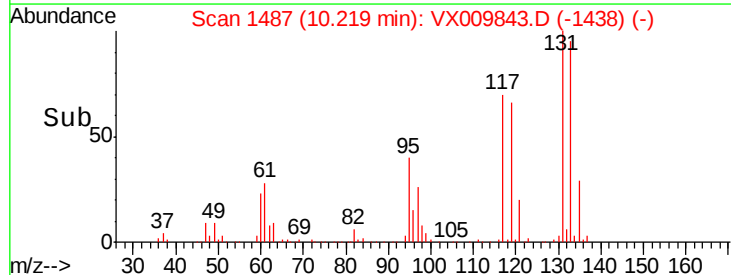
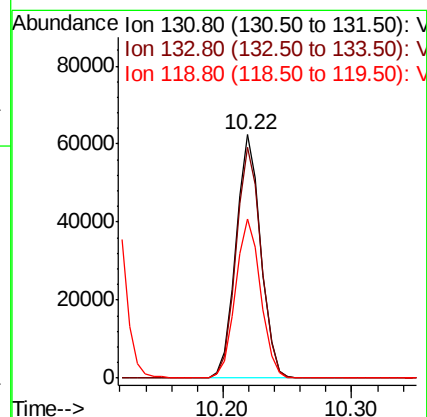
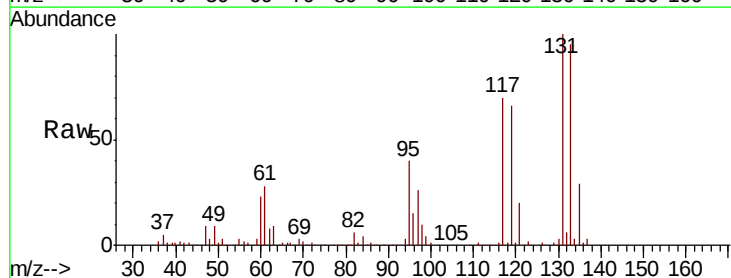
Instrument :
MSVOA_X
ClientSampleId :

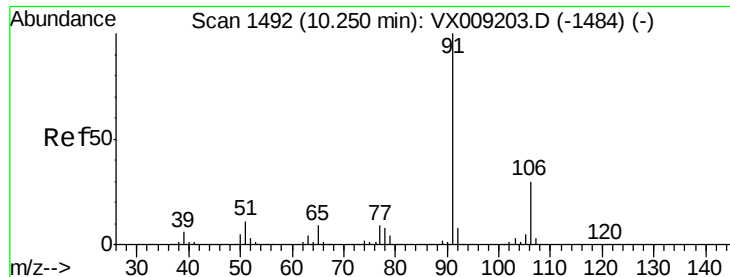
Tot Ion:112 Resp: 233663
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 42.818 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion:131 Resp: 83953
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 66.6 33.5 100.4





#67

Ethyl Benzene

Concen: 43.214 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

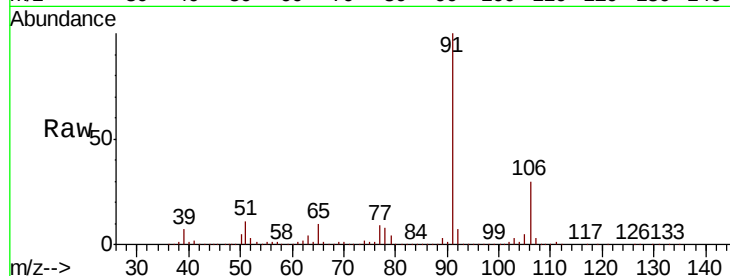
ClientSampled :

Tot Ion: 91 Resp: 430110

Ion Ratio Lower Upper

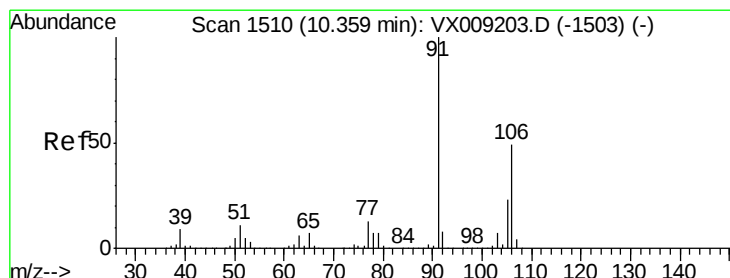
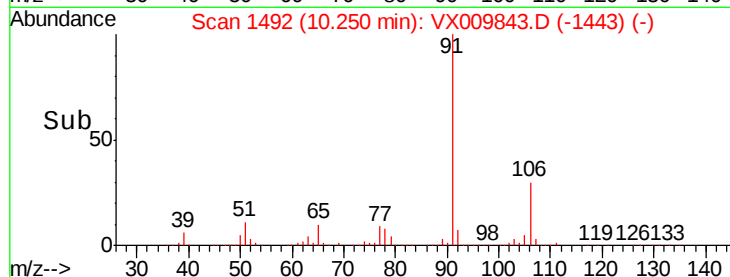
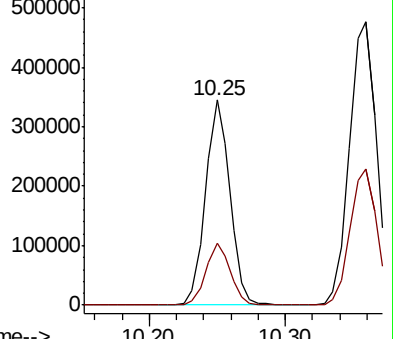
91 100

106 30.0 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX009203.D (-1484) (-)



#68

m/p-Xylenes

Concen: 86.473 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009843.D

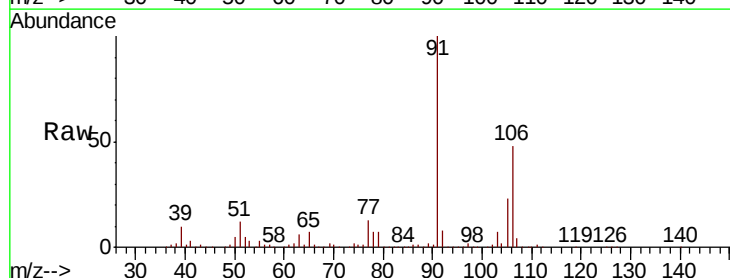
Acq: 23 May 2019 07:31

Tgt Ion: 106 Resp: 314517

Ion Ratio Lower Upper

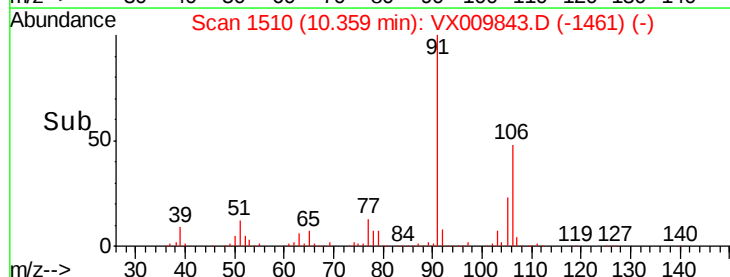
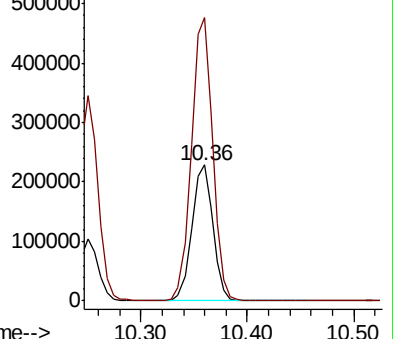
106 100

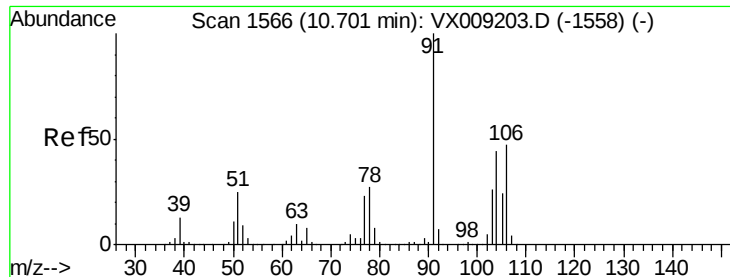
91 210.8 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009203.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX009203.D (-1503) (-)

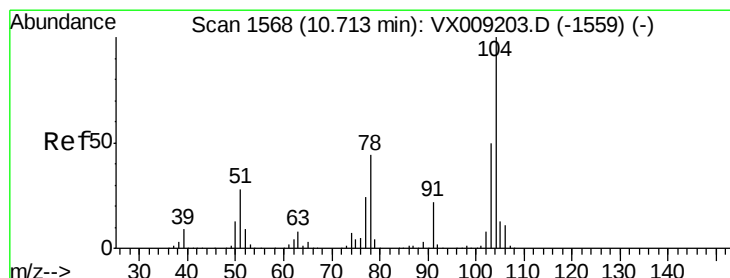
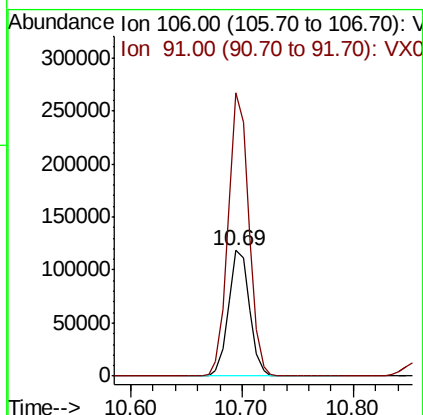
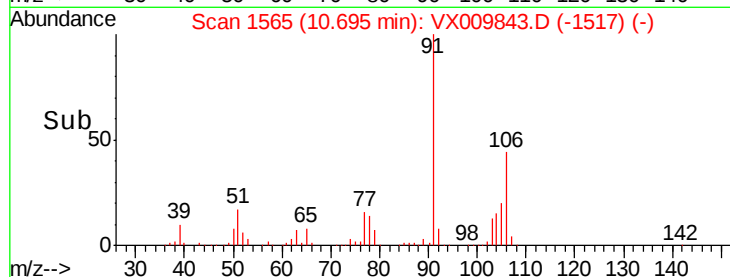
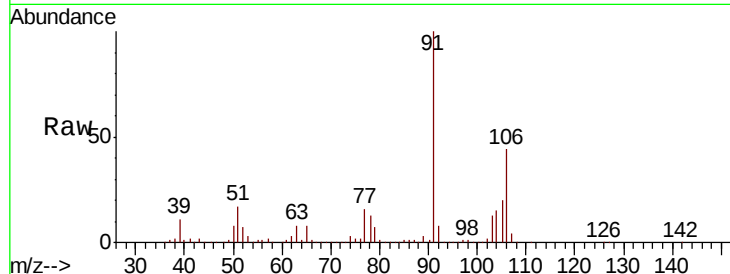




#69
o-Xylene
Concen: 43.324 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

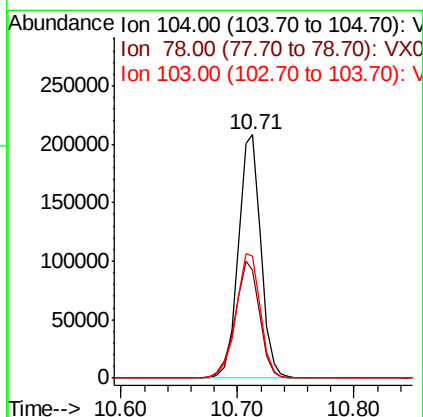
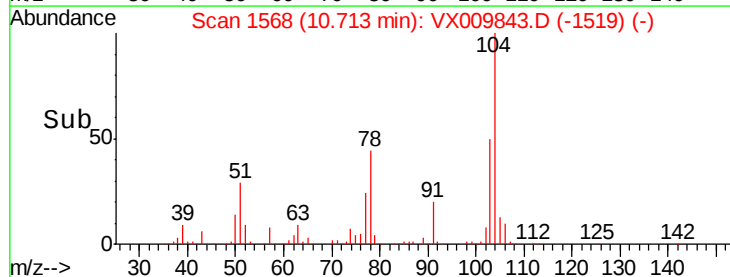
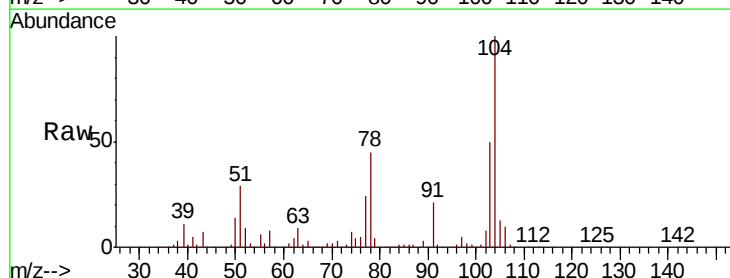
Instrument :
MSVOA_X
ClientSampleId :

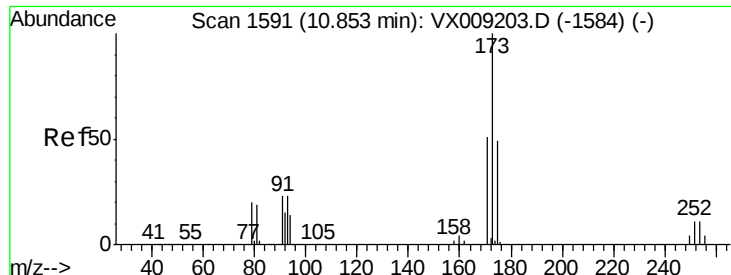
Tot Ion:106 Resp: 155471
Ion Ratio Lower Upper
106 100
91 220.3 109.5 328.4



#70
Styrene
Concen: 44.683 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion:104 Resp: 278700
Ion Ratio Lower Upper
104 100
78 52.0 41.0 61.4
103 55.6 43.8 65.6





#71

Bromoform

Concen: 43.940 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

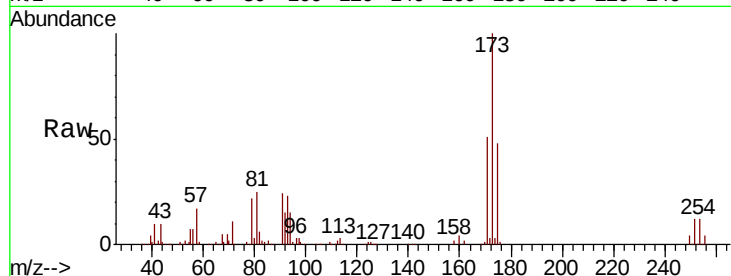
Tot Ion:173 Resp: 70011

Ion Ratio Lower Upper

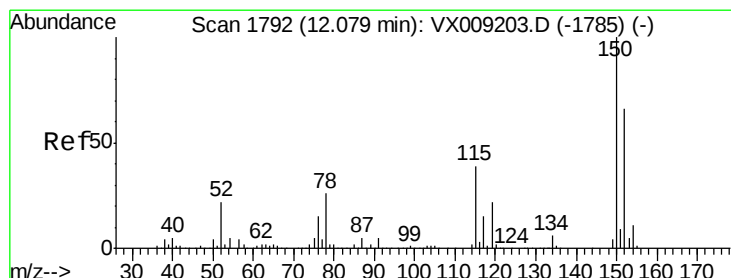
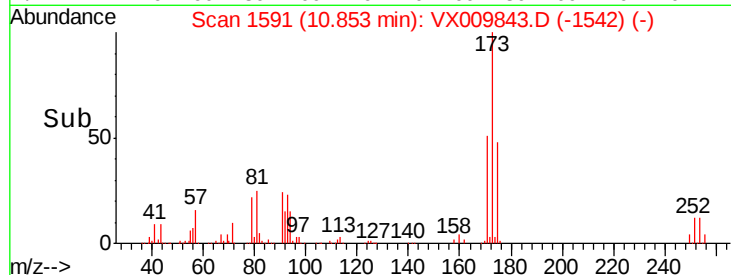
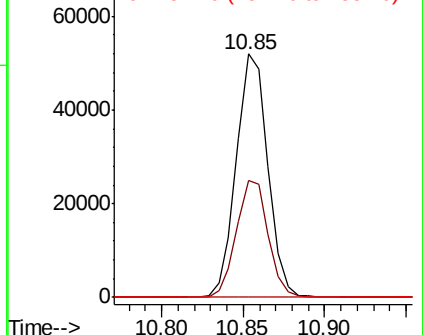
173 100

175 48.3 24.5 73.5

254 0.1 0.1 0.1#



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: VX009843.D

Acq: 23 May 2019 07:31

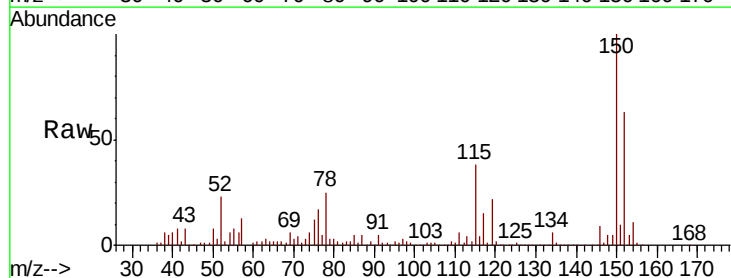
Tgt Ion:152 Resp: 139497

Ion Ratio Lower Upper

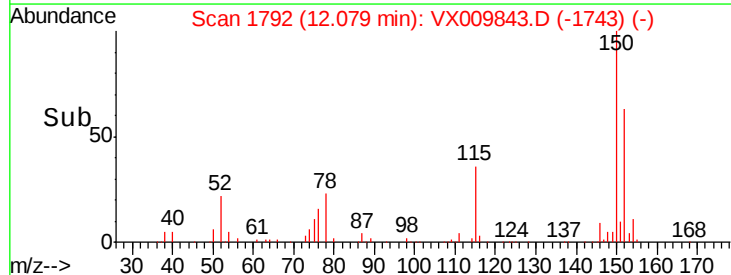
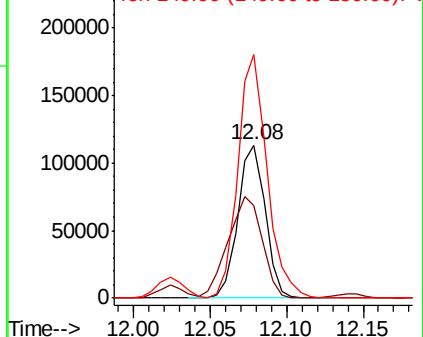
152 100

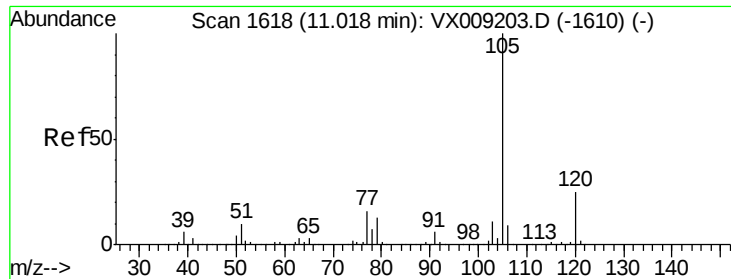
115 82.9 41.2 123.6

150 170.5 0.0 346.4



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: 42.167 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

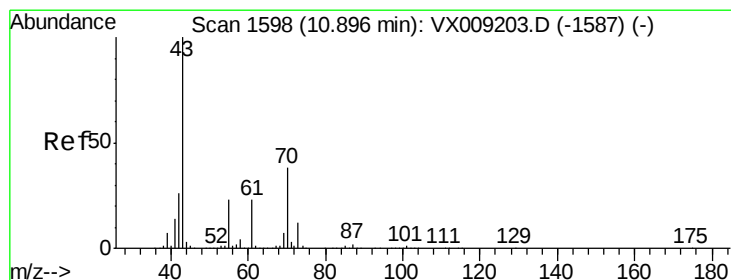
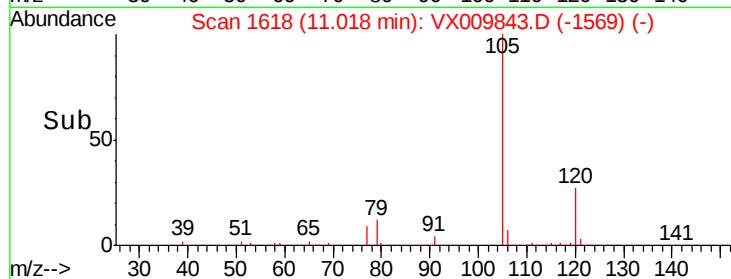
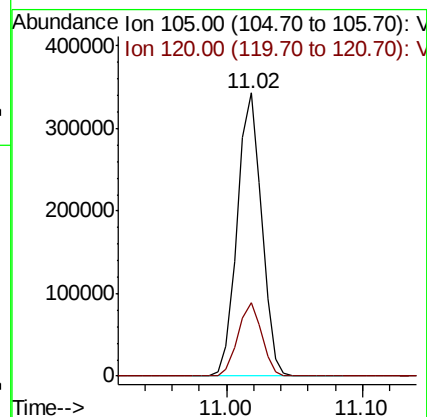
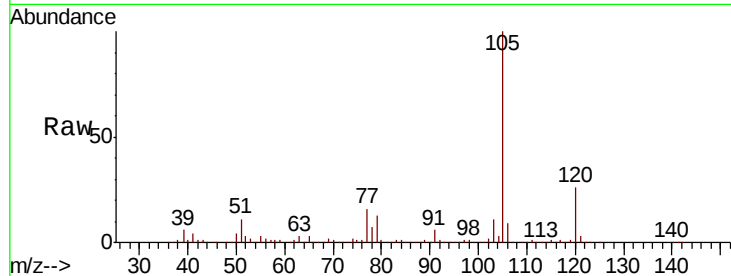
ClientSampleId :

Tot Ion:105 Resp: 427742

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#74

N-ethyl acetate

Concen: 53.052 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Tgt Ion: 43 Resp: 313754

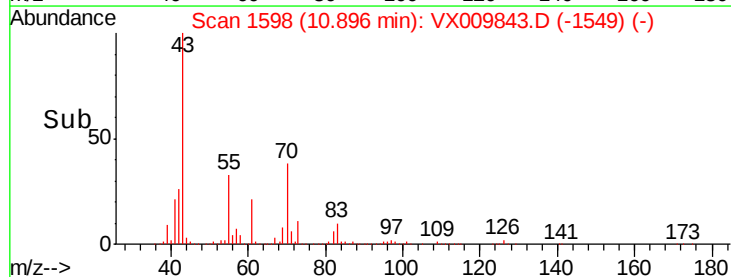
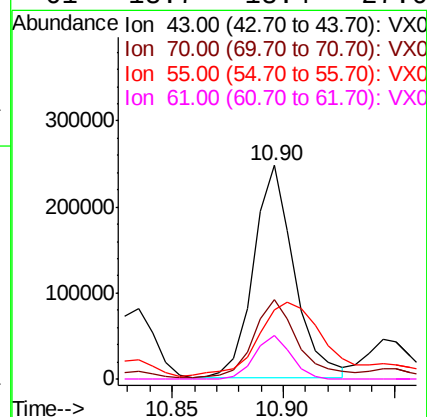
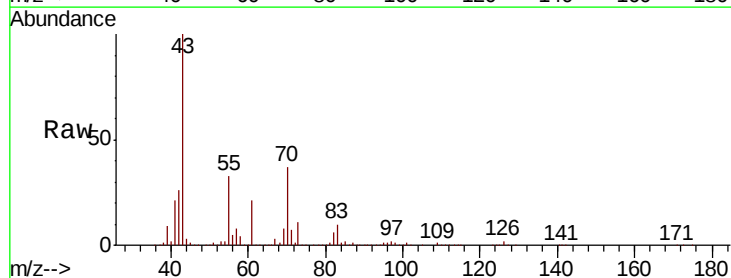
Ion Ratio Lower Upper

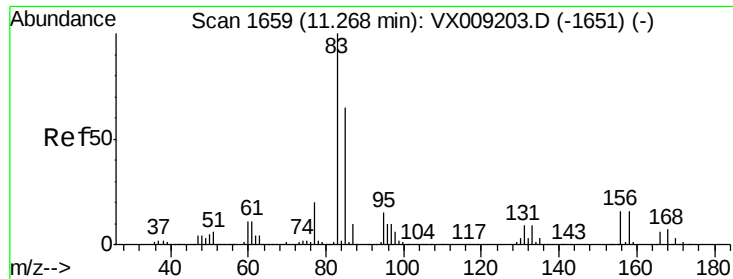
43 100

70 41.4 30.0 45.0

55 54.7 17.9 26.9#

61 18.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.514 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

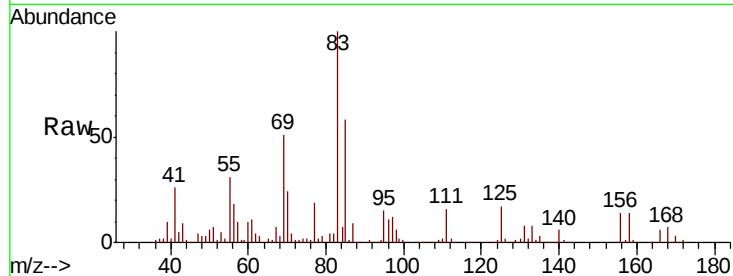
Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 83 Resp: 183457

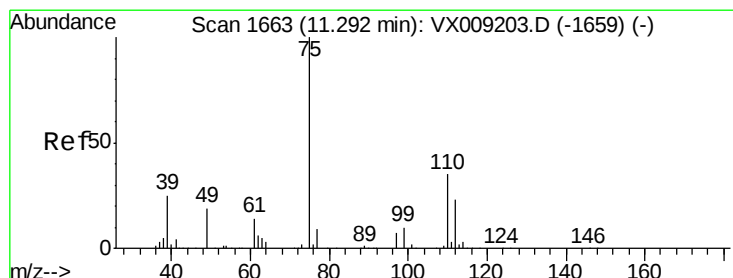
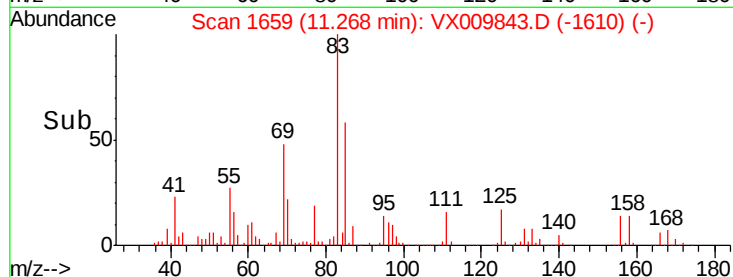
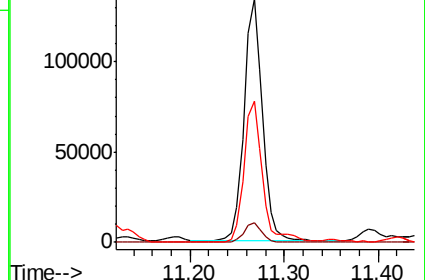
Ion	Ratio	Lower	Upper
83	100		
131	7.9	4.6	13.8
85	57.8	32.0	96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 55.232 ug/l

RT: 11.29 min Scan# 1663

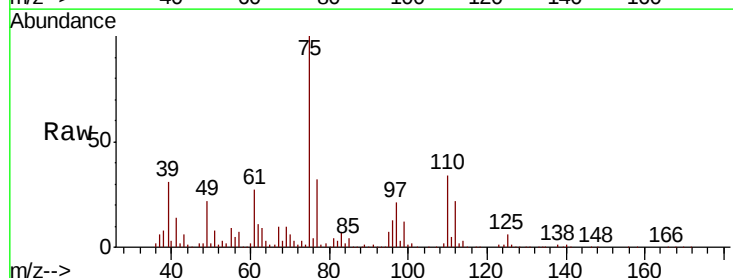
Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

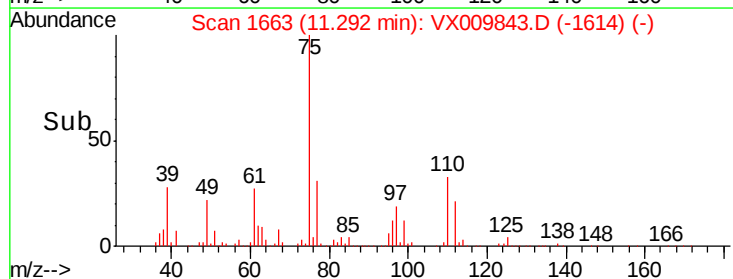
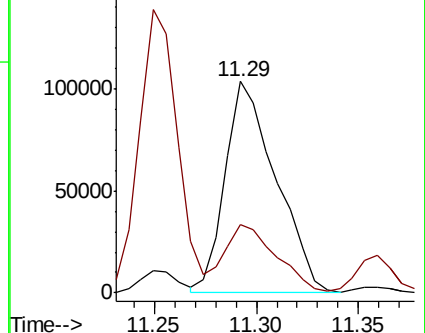
Tgt Ion: 75 Resp: 178722

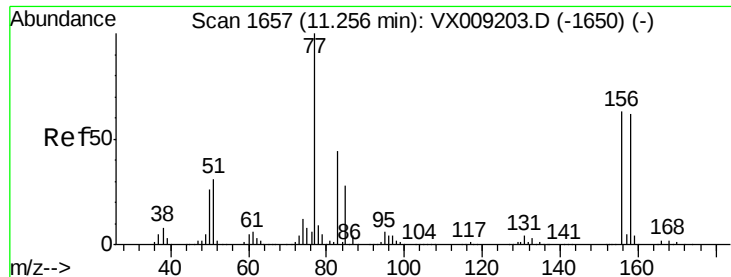
Ion	Ratio	Lower	Upper
75	100		
77	31.8	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 41.027 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

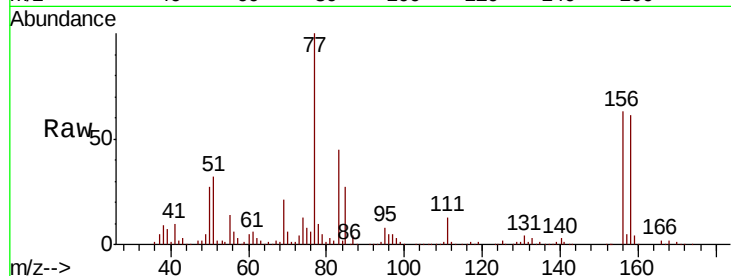
Tot Ion:156 Resp: 103297

Ion Ratio Lower Upper

156 100

77 174.5 84.8 254.3

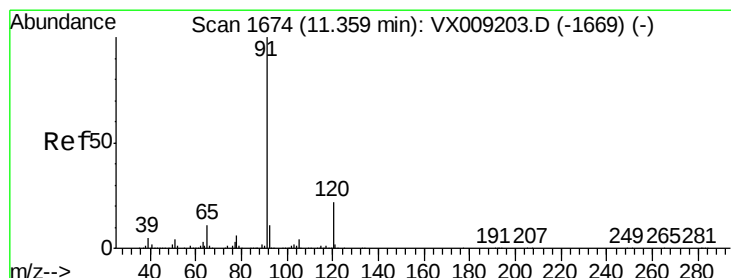
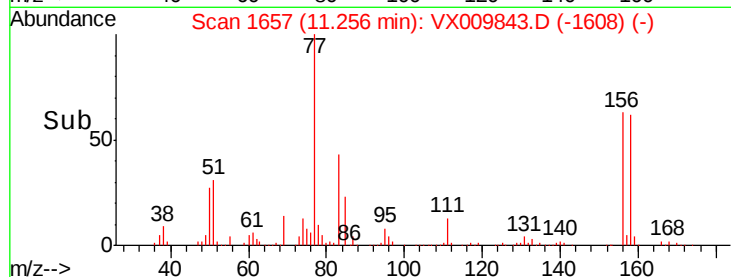
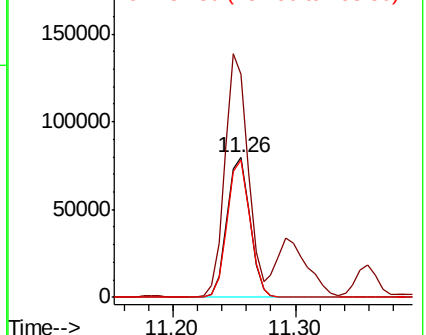
158 97.6 49.1 147.3



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: 47.301 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009843.D

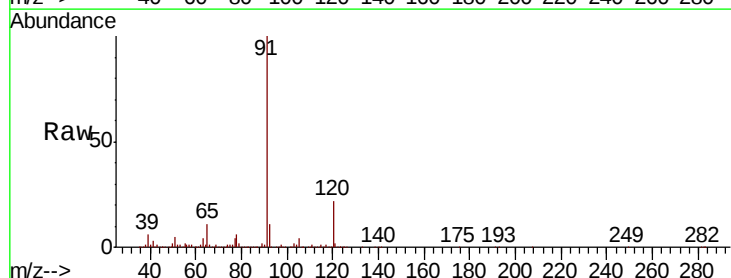
Acq: 23 May 2019 07:31

Tgt Ion: 91 Resp: 547981

Ion Ratio Lower Upper

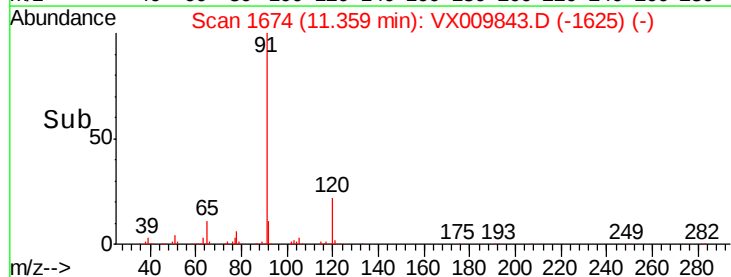
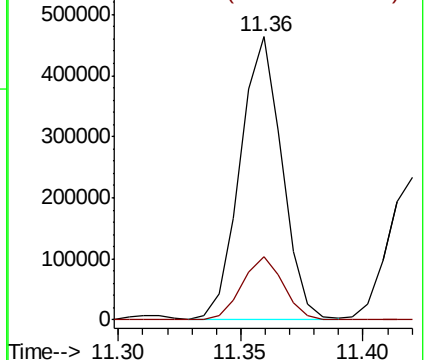
91 100

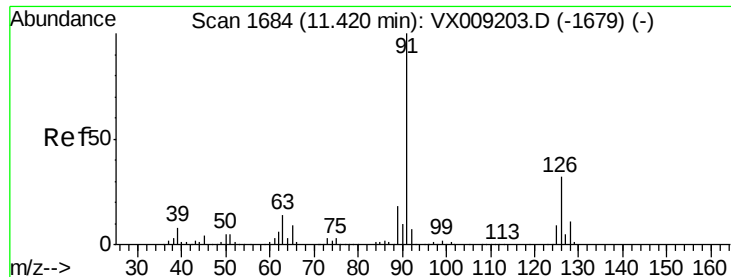
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 40.417 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

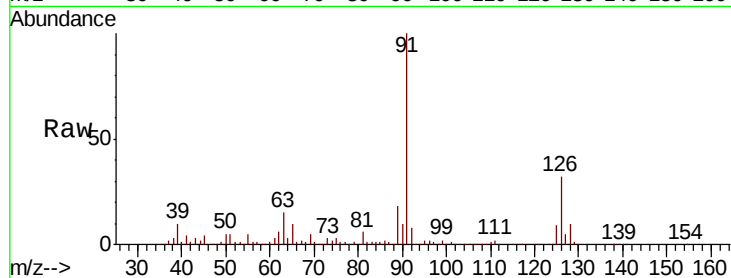
ClientSampled :

Tot Ion: 91 Resp: 288876

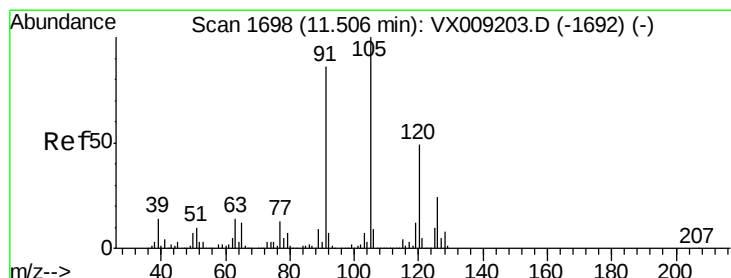
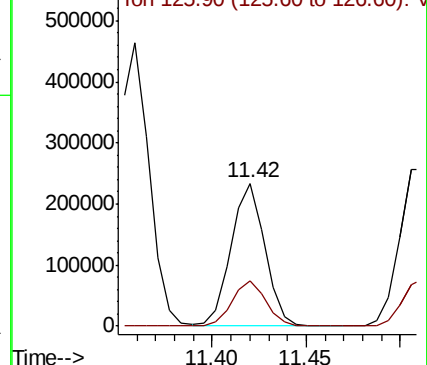
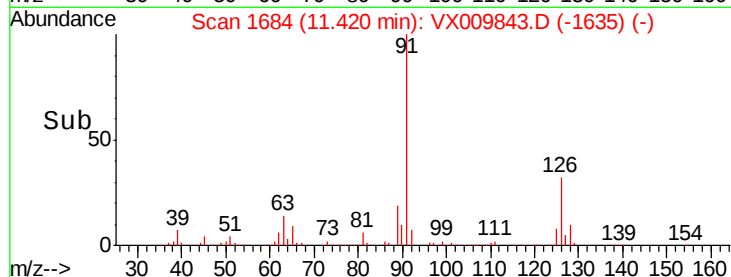
Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009843.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 44.587 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009843.D

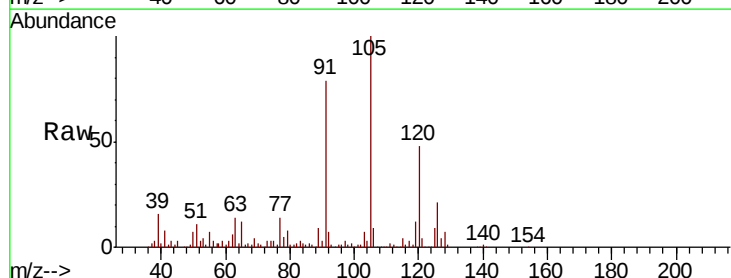
Acq: 23 May 2019 07:31

Tgt Ion:105 Resp: 380836

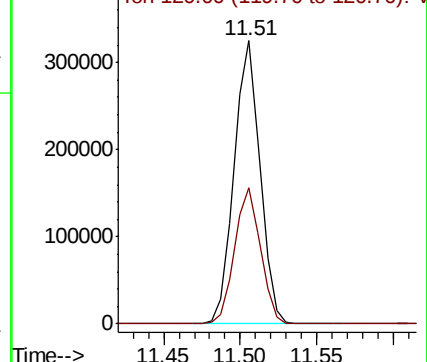
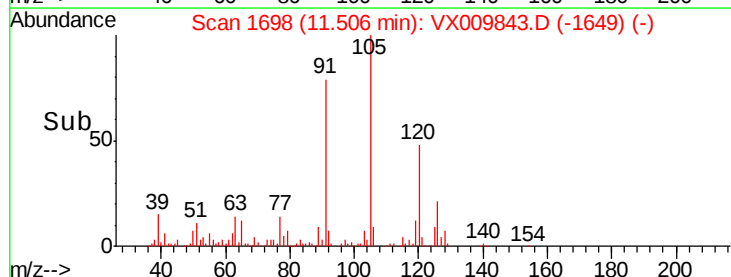
Ion Ratio Lower Upper

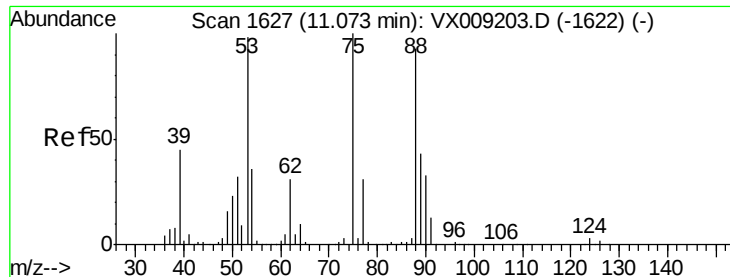
105 100

120 48.0 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009843.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 35.573 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

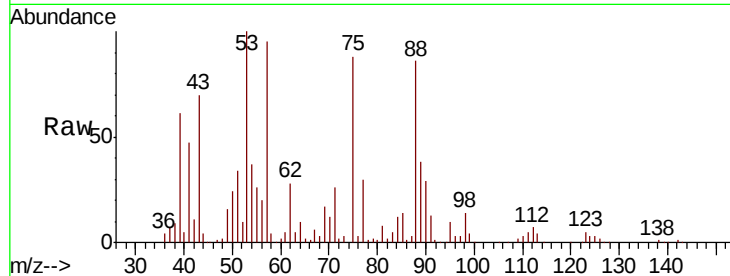
Tot Ion: 75 Resp: 44988

Ion Ratio Lower Upper

75 100

53 116.7 79.0 118.6

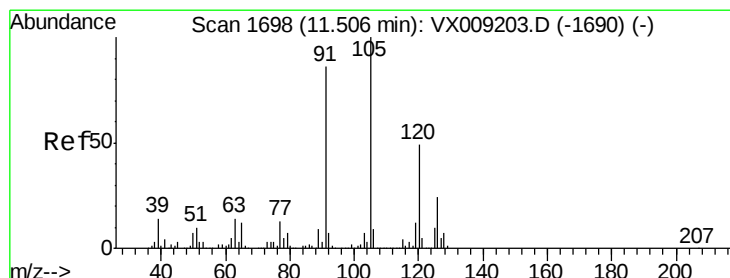
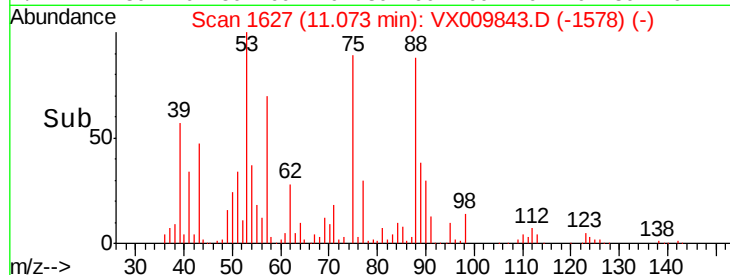
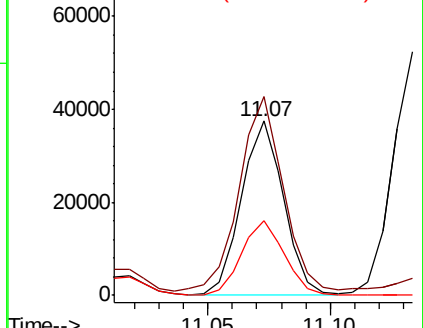
89 43.5 34.7 52.1



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: 41.991 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009843.D

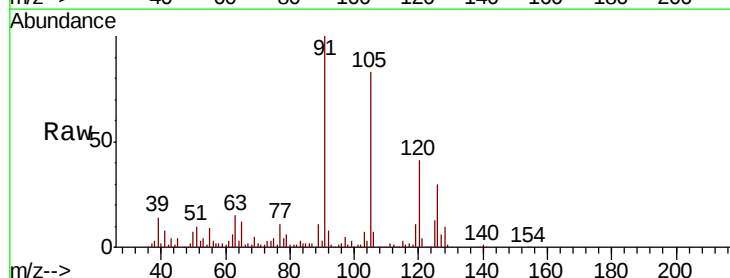
Acq: 23 May 2019 07:31

Tgt Ion: 91 Resp: 339056

Ion Ratio Lower Upper

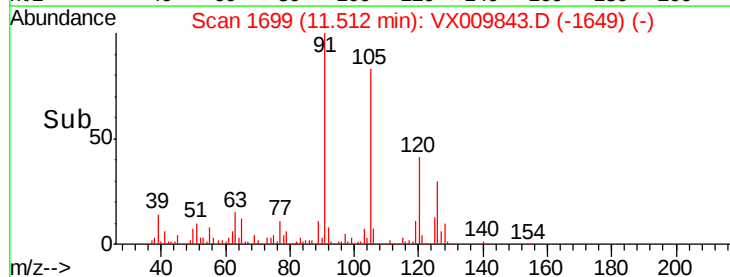
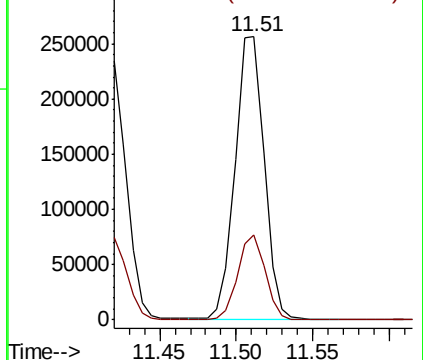
91 100

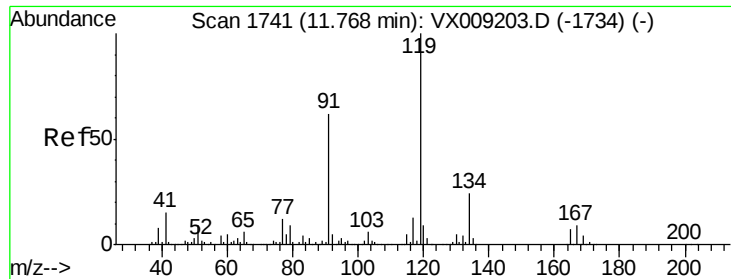
126 28.3 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 41.469 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

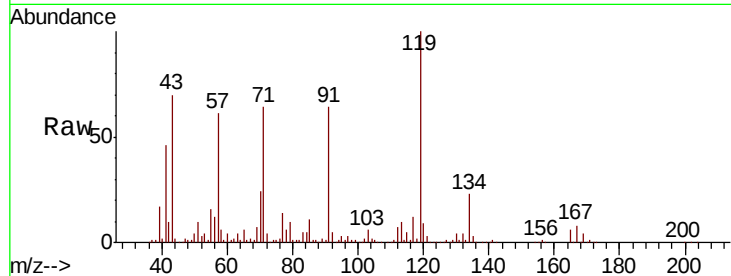
Tot Ion:119 Resp: 344567

Ion Ratio Lower Upper

119 100

91 59.5 29.5 88.5

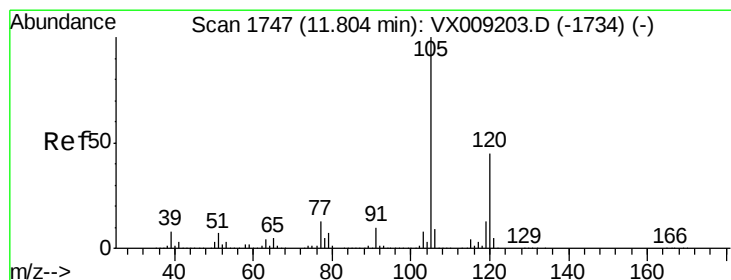
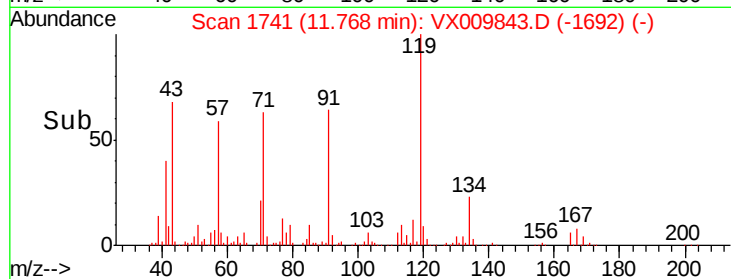
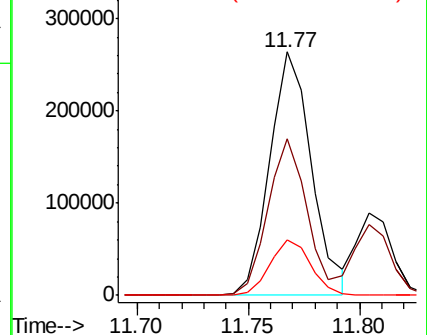
134 22.2 11.4 34.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 100.785 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX009843.D

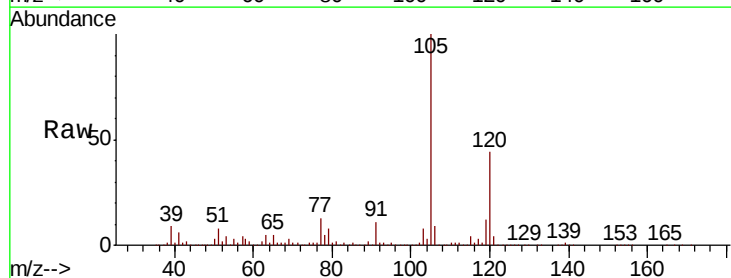
Acq: 23 May 2019 07:31

Tgt Ion:105 Resp: 864063

Ion Ratio Lower Upper

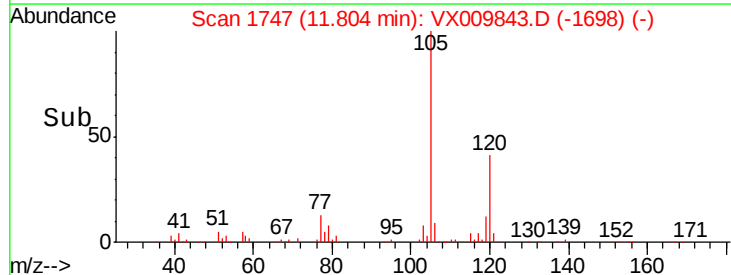
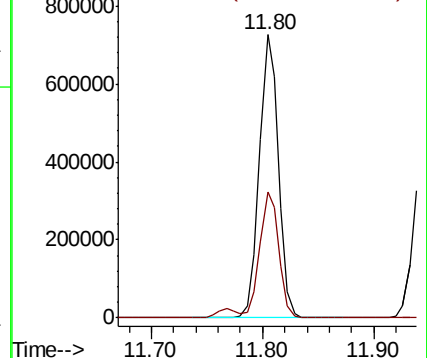
105 100

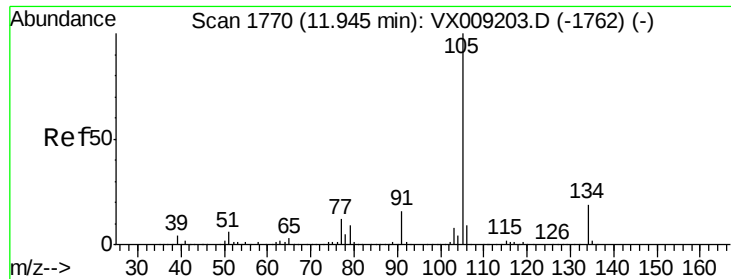
120 44.6 22.0 66.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

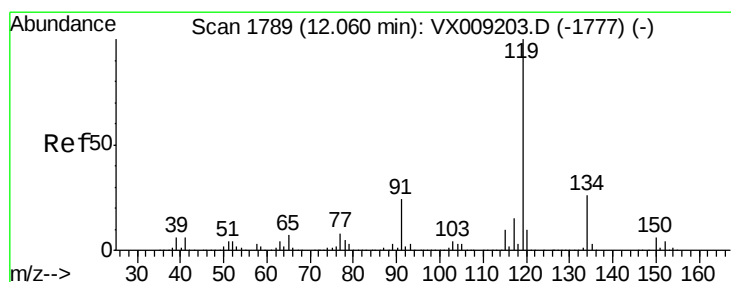
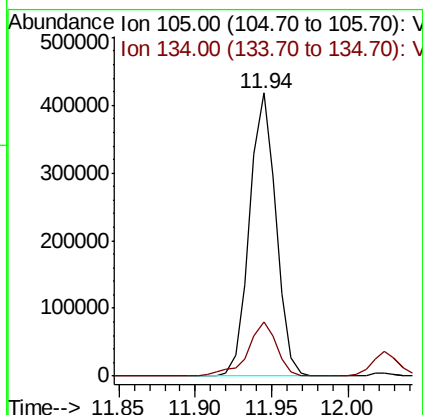
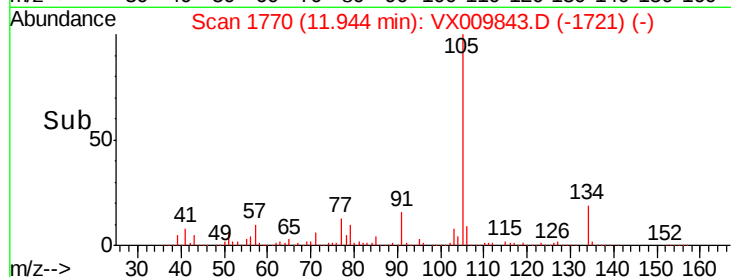
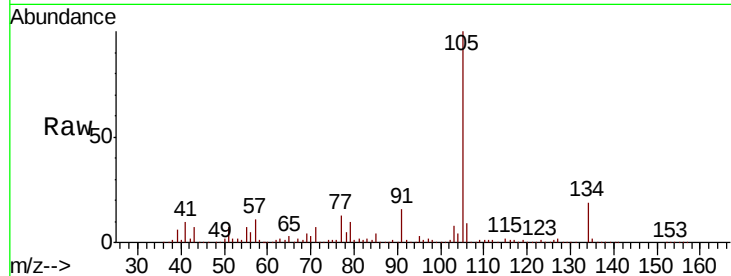




#85
 sec-Butylbenzene
 Concen: 50.751 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

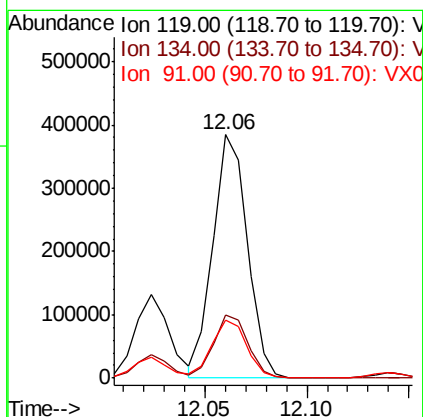
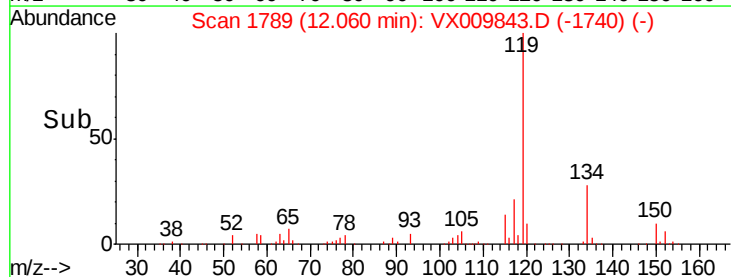
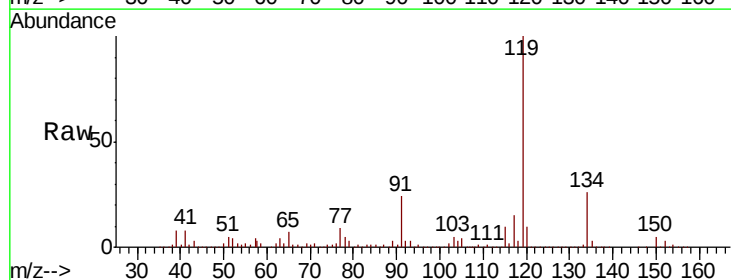
Instrument :
 MSVOA_X
 ClientSampleId :

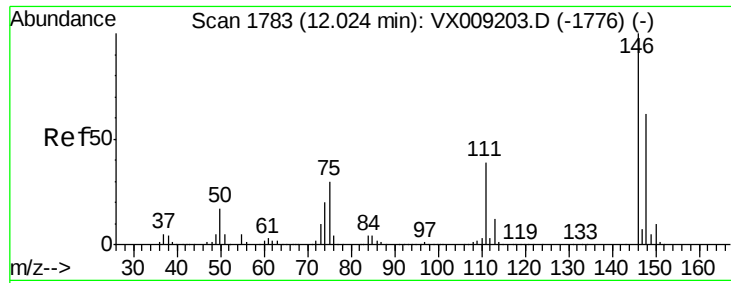
Tot Ion:105 Resp: 499941
 Ion Ratio Lower Upper
 105 100
 134 21.2 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 50.996 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Tgt Ion:119 Resp: 451613
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 23.8 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 41.871 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

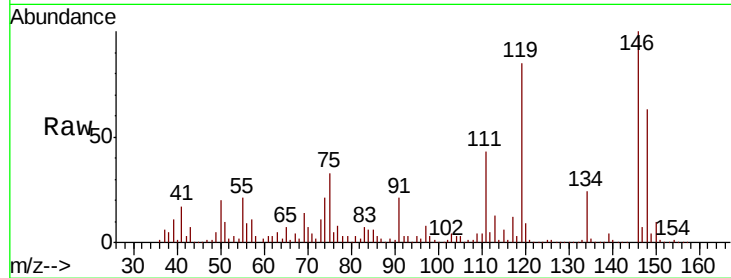
Tot Ion:146 Resp: 187934

Ion Ratio Lower Upper

146 100

111 49.3 20.0 59.9

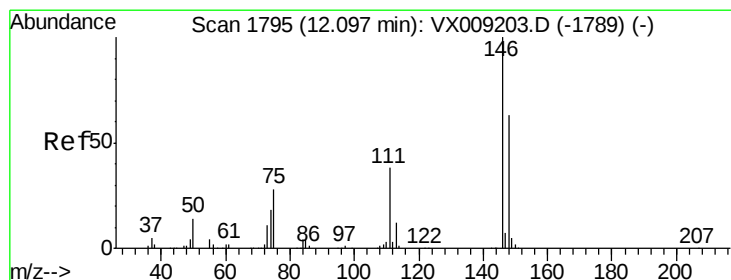
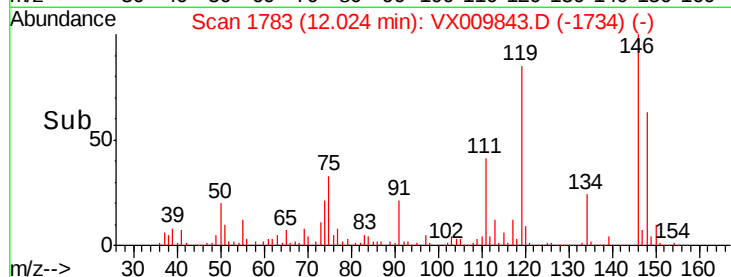
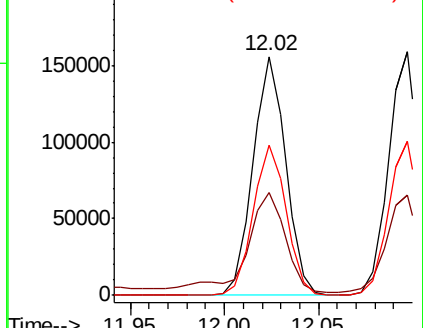
148 63.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 41.933 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

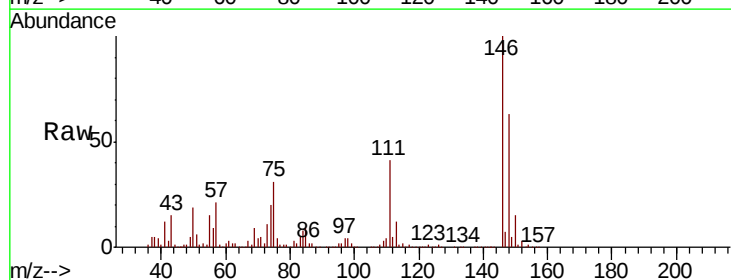
Tgt Ion:146 Resp: 189754

Ion Ratio Lower Upper

146 100

111 41.9 19.6 58.8

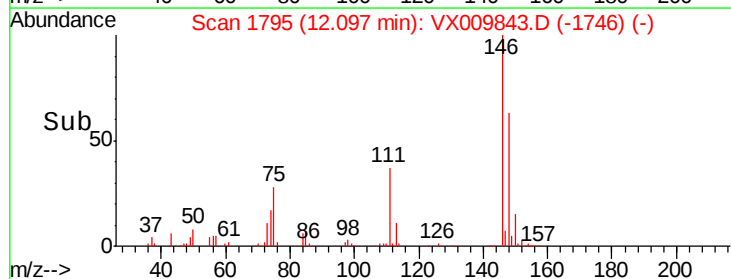
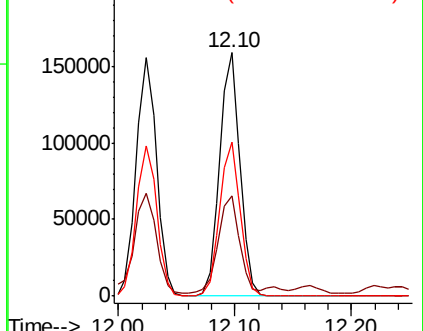
148 63.9 31.8 95.3

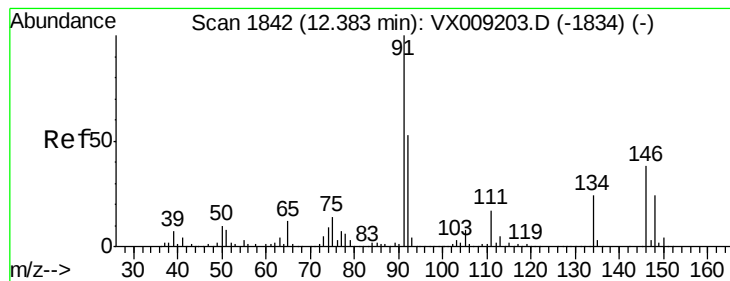


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 59.260 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX009843.D

Acq: 23 May 2019 07:31

Instrument :

MSVOA_X

ClientSampleId :

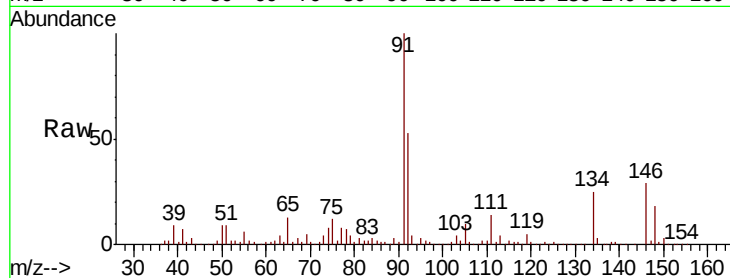
Tot Ion: 91 Resp: 474337

Ion Ratio Lower Upper

91 100

92 50.7 26.5 79.5

134 34.6 12.4 37.2

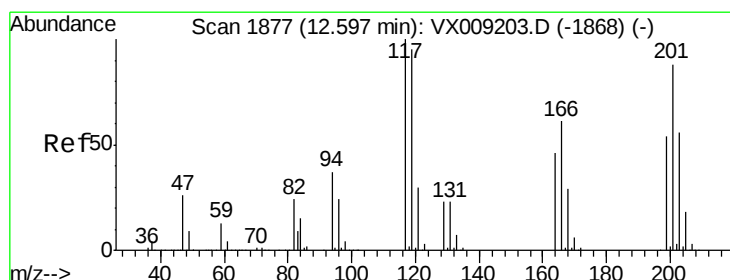
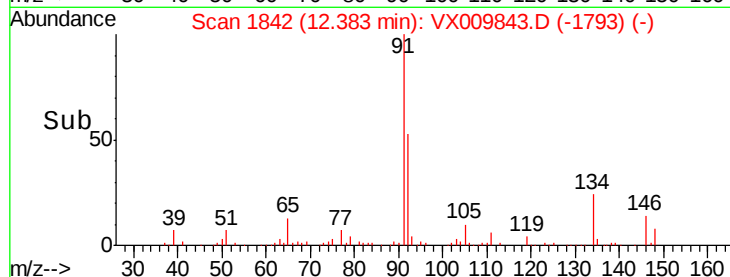


Abundance Ion 91.00 (90.70 to 91.70): VX009843.D (-1834) (-)

Ion 92.00 (91.70 to 92.70): VX009843.D (-1834) (-)

Ion 134.00 (133.70 to 134.70): VX009843.D (-1834) (-)

Time--> 12.30 12.35 12.40 12.45



#90

Hexachloroethane

Concen: 56.942 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX009843.D

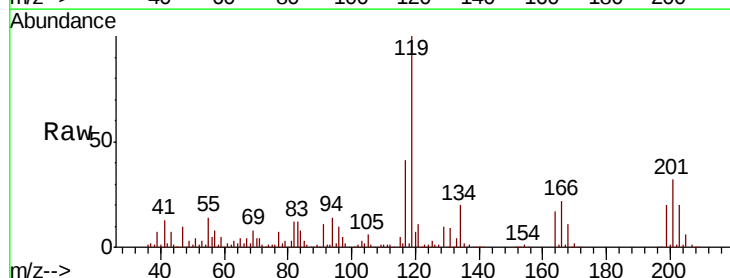
Acq: 23 May 2019 07:31

Tgt Ion: 117 Resp: 85911

Ion Ratio Lower Upper

117 100

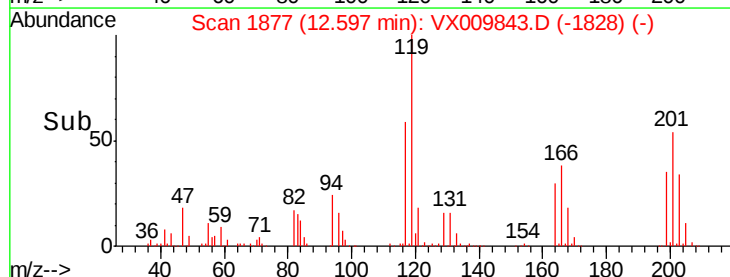
201 60.6 42.3 126.9

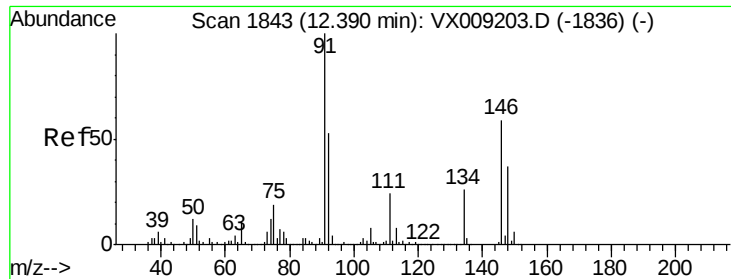


Abundance Ion 116.80 (116.50 to 117.50): VX009843.D (-1868) (-)

Ion 200.70 (200.40 to 201.40): VX009843.D (-1868) (-)

Time--> 12.55 12.60 12.65

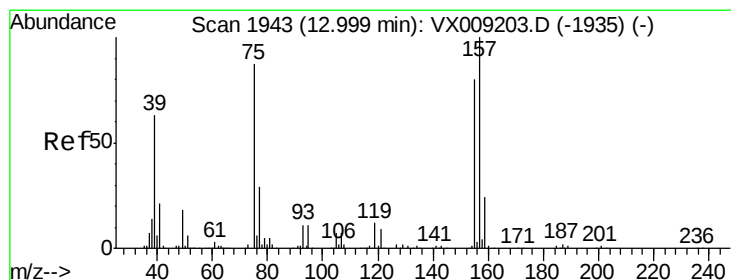
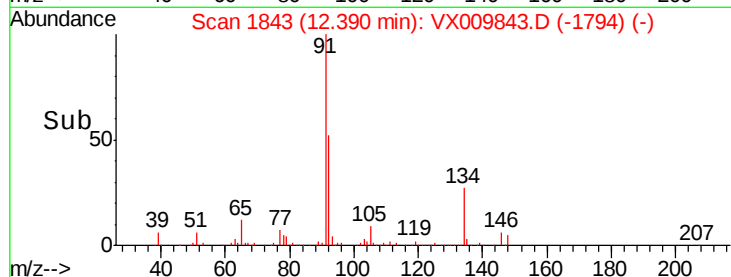
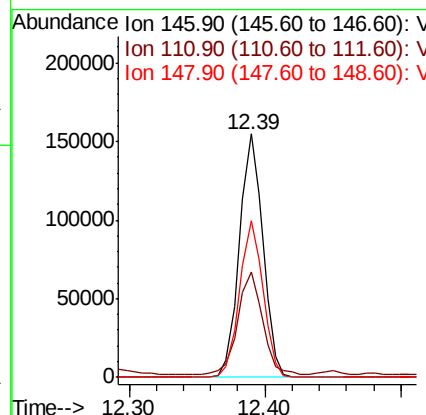
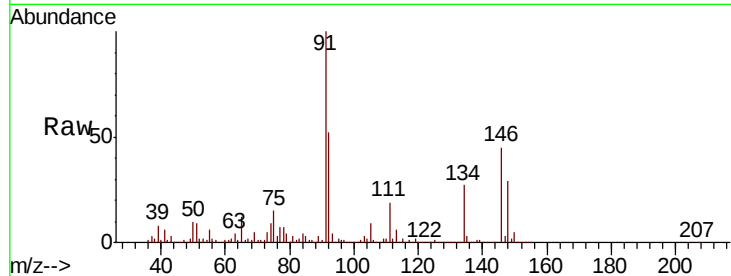




#91
 1,2-Dichlorobenzene
 Concen: 40.677 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

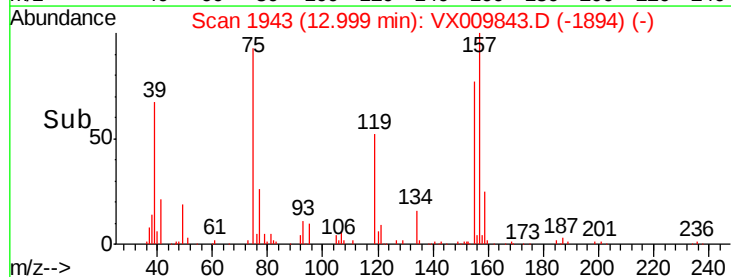
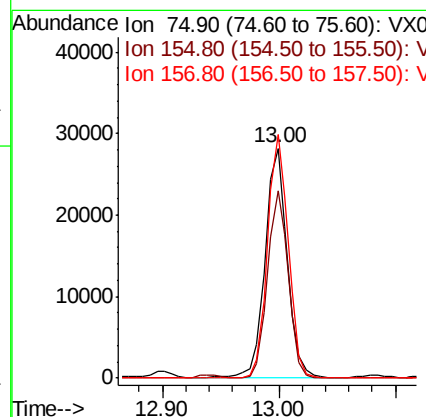
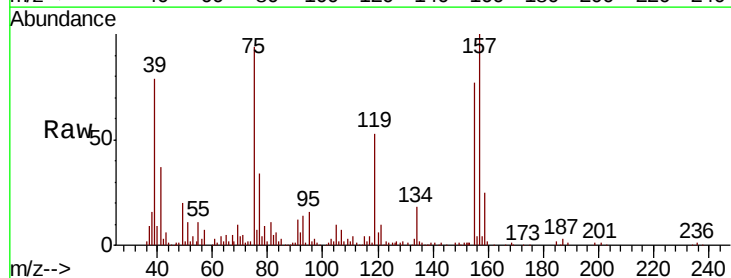
Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 185963
 Ion Ratio Lower Upper
 146 100
 111 44.5 20.8 62.4
 148 64.2 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.888 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Tgt Ion: 75 Resp: 37231
 Ion Ratio Lower Upper
 75 100
 155 76.7 42.0 126.0
 157 99.7 53.2 159.6

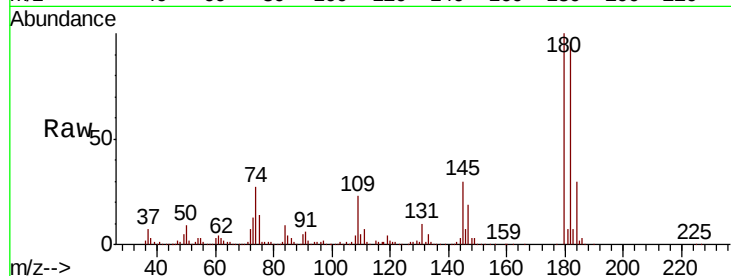




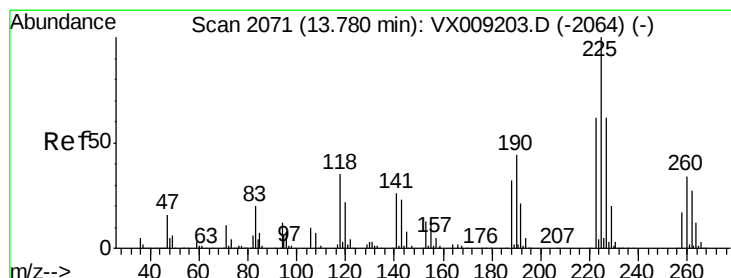
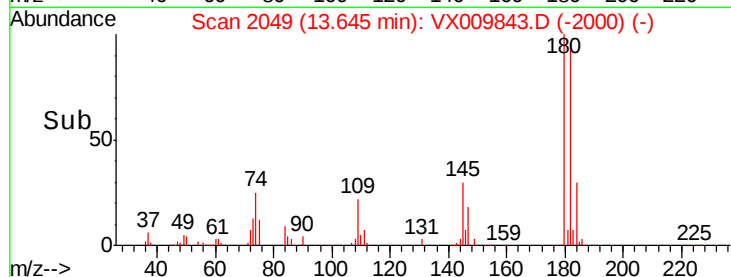
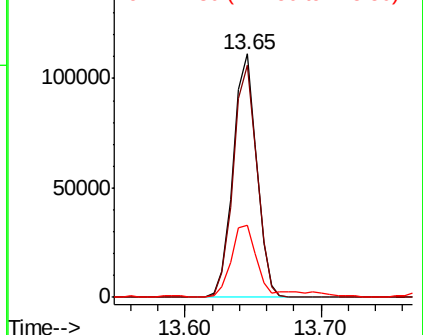
#93
 1,2,4-Trichlorobenzene
 Concen: 42.862 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.4	145.2
145	31.5	14.6	43.8

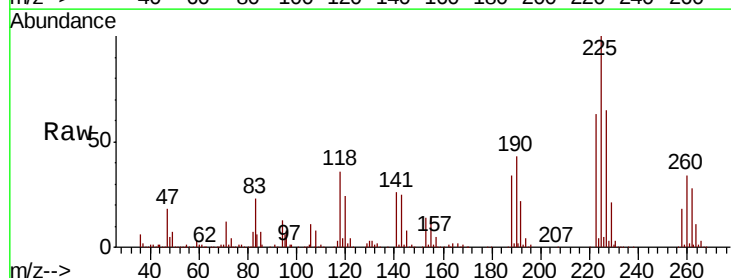


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

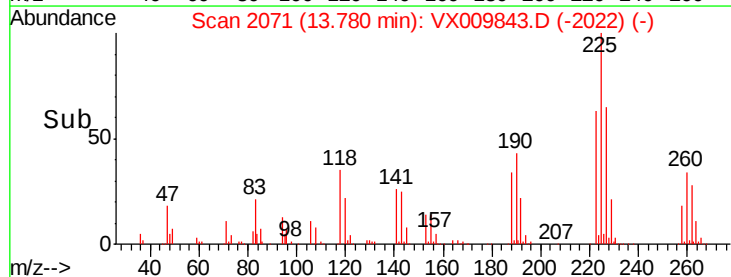
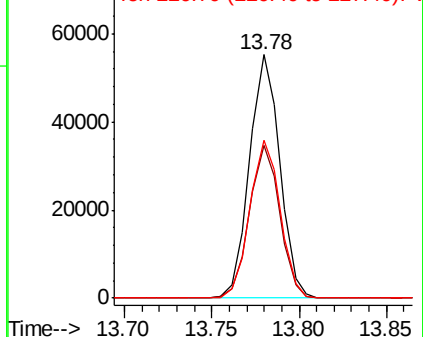


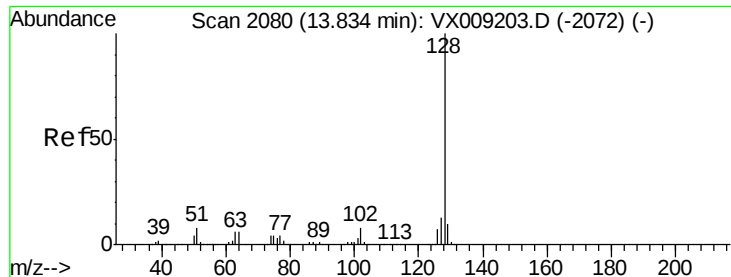
#94
 Hexachlorobutadiene
 Concen: 41.670 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009843.D
 Acq: 23 May 2019 07:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.3	93.8
227	65.1	31.8	95.3



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

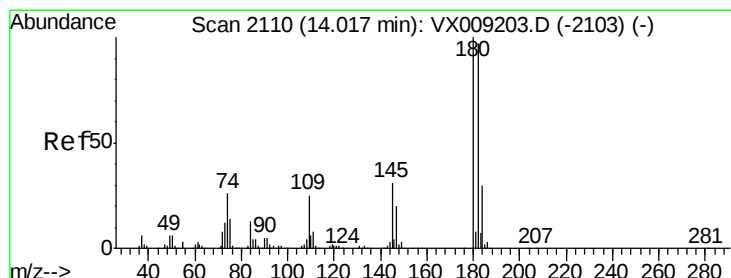
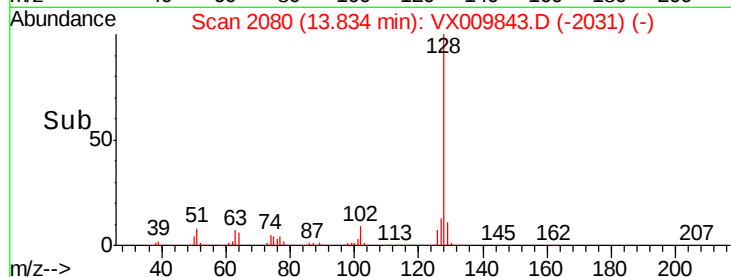
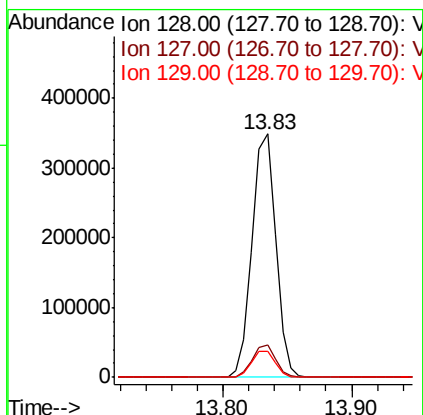
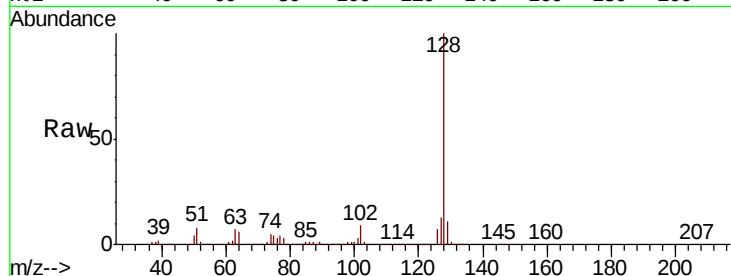




#95
Naphthalene
Concen: 43.306 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 41.905 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009843.D
Acq: 23 May 2019 07:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.8	143.4
145	32.4	15.4	46.4

