

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009447.D
 Acq On : 09 May 2019 23:34
 Operator : JC/SP
 Sample : VX0509WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:11:04 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	158197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	257094	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	228282	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112228	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	110531	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	5.49	113	81985	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
50) Toluene-d8	8.71	98	330835	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	11.13	95	119121	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28120	19.289	ug/l	99
3) Chloromethane	1.32	50	42708	21.458	ug/l	98
4) Vinyl Chloride	1.41	62	41591	21.430	ug/l	96
5) Bromomethane	1.64	94	24641	21.153	ug/l	100
6) Chloroethane	1.72	64	27210	21.837	ug/l	96
7) Trichlorofluoromethane	1.93	101	51745	21.934	ug/l	97
8) Diethyl Ether	2.18	74	23530	21.056	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	30692	20.717	ug/l	100
10) Methyl Iodide	2.51	142	29003	19.895	ug/l	100
11) Tert butyl alcohol	3.04	59	53124	106.272	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32277	21.745	ug/l	98
13) Acrolein	2.29	56	50953	112.550	ug/l	99
14) Allyl chloride	2.73	41	74254	20.527	ug/l	99
15) Acrylonitrile	3.14	53	127037	103.936	ug/l	99
16) Acetone	2.44	43	111278	95.962	ug/l	99
17) Carbon Disulfide	2.57	76	91831	22.036	ug/l	100
18) Methyl Acetate	2.77	43	54807	19.874	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	123182	21.371	ug/l	98
20) Methylene Chloride	2.85	84	38900	20.718	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	35267	21.908	ug/l	94
22) Diisopropyl ether	3.85	45	148382	21.330	ug/l	96
23) Vinyl Acetate	3.81	43	647616	108.715	ug/l	100
24) 1,1-Dichloroethane	3.70	63	71954	20.967	ug/l	100
25) 2-Butanone	4.67	43	187028	103.789	ug/l	100
26) 2,2-Dichloropropane	4.59	77	44030	17.237	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	41322	21.506	ug/l	96
28) Bromochloromethane	5.01	49	28496	18.924	ug/l	99
29) Tetrahydrofuran	5.13	42	125303	108.059	ug/l	99
30) Chloroform	5.21	83	66724	21.497	ug/l	99
31) Cyclohexane	5.58	56	68288	21.388	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	55044	21.304	ug/l	99
36) 1,1-Dichloropropene	5.79	75	50221	21.020	ug/l	98
37) Ethyl Acetate	4.83	43	70619	21.214	ug/l	99
38) Carbon Tetrachloride	5.78	117	45508	20.964	ug/l	100

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	60356	20.570	ug/l	98
40) Benzene	6.14	78	157997	21.368	ug/l	100
41) Methacrylonitrile	5.04	41	39079	19.721	ug/l	95
42) 1,2-Dichloroethane	6.19	62	57055	21.511	ug/l	100
43) Isopropyl Acetate	6.44	43	109556	20.575	ug/l	99
44) Trichloroethene	7.21	130	37336	20.887	ug/l	94
45) 1,2-Dichloropropane	7.51	63	44791	21.393	ug/l	99
46) Dibromomethane	7.66	93	25324	20.828	ug/l	98
47) Bromodichloromethane	7.90	83	50516	20.829	ug/l	99
48) Methyl methacrylate	7.77	41	56007	21.201	ug/l	99
49) 1,4-Dioxane	7.74	88	22521	420.374	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	369674	106.218	ug/l	100
52) Toluene	8.78	92	96172	21.397	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	56454	20.617	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	61267	20.215	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	38662	21.084	ug/l	98
56) Ethyl methacrylate	9.18	69	68186	20.831	ug/l	98
57) 1,3-Dichloropropane	9.37	76	67324	20.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	178815	102.976	ug/l	100
59) 2-Hexanone	9.49	43	283343	103.659	ug/l	99
60) Dibromochloromethane	9.58	129	37313	20.834	ug/l	99
61) 1,2-Dibromoethane	9.67	107	39216	21.186	ug/l	99
64) Tetrachloroethene	9.34	164	35375	22.591	ug/l	96
65) Chlorobenzene	10.13	112	99180	21.718	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	34895	21.077	ug/l	98
67) Ethyl Benzene	10.25	91	180867	21.520	ug/l	98
68) m/p-Xylenes	10.36	106	134151	43.680	ug/l	98
69) o-Xylene	10.69	106	65370	21.573	ug/l	100
70) Styrene	10.71	104	114074	21.659	ug/l	100
71) Bromoform	10.85	173	27304	20.294	ug/l #	99
73) Isopropylbenzene	11.02	105	173370	21.244	ug/l	99
74) N-amyl acetate	10.90	43	96720	20.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	62808	20.645	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	71175	27.340	ug/l	82
77) Bromobenzene	11.26	156	42752	21.106	ug/l	99
78) n-propylbenzene	11.36	91	196545	21.088	ug/l	98
79) 2-Chlorotoluene	11.42	91	120526	20.960	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	146515	21.322	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	18615	18.296	ug/l	93
82) 4-Chlorotoluene	11.51	91	136082	20.948	ug/l	100
83) tert-Butylbenzene	11.77	119	139554	20.877	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	147819	21.431	ug/l	99
85) sec-Butylbenzene	11.94	105	165026	20.823	ug/l	99
86) p-Isopropyltoluene	12.06	119	150649	21.144	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	75096	20.796	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	74843	20.558	ug/l	98
89) n-Butylbenzene	12.38	91	130999	20.343	ug/l	99
90) Hexachloroethane	12.59	117	23865	19.661	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	77594	21.097	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14551	21.321	ug/l	98

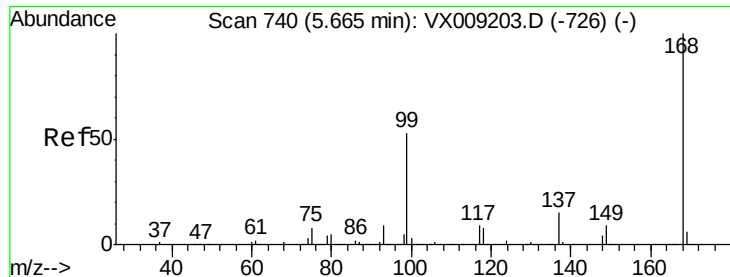
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	52602	20.914	ug/l	99
94) Hexachlorobutadiene	13.78	225	26034	20.270	ug/l	99
95) Naphthalene	13.83	128	179739	21.965	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	55367	21.717	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

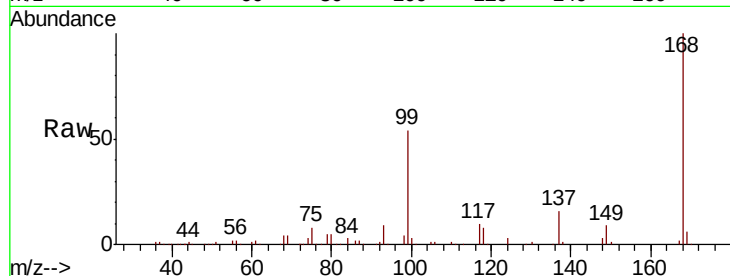
ClientSampleId :

Tot Ion:168 Resp: 158197

Ion Ratio Lower Upper

168 100

99 53.9 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

50000

40000

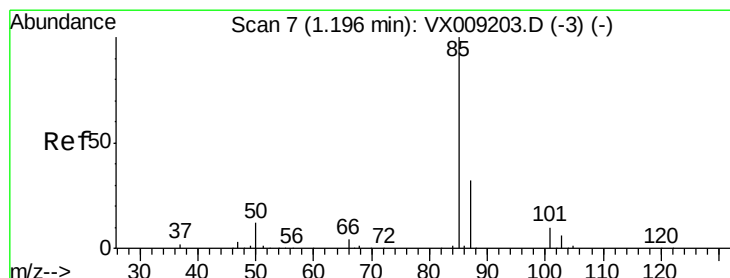
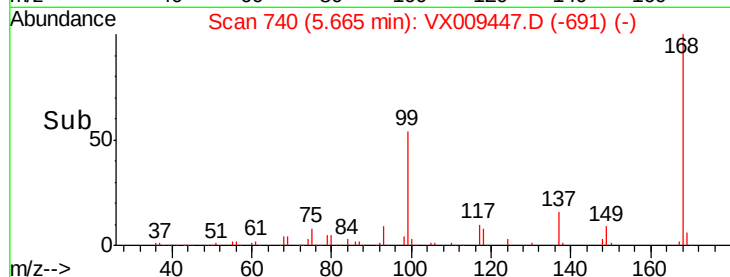
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.289 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009447.D

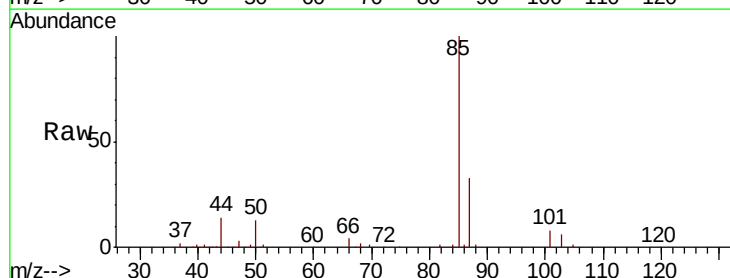
Acq: 09 May 2019 23:34

Tgt Ion: 85 Resp: 28120

Ion Ratio Lower Upper

85 100

87 32.6 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

30000

25000

20000

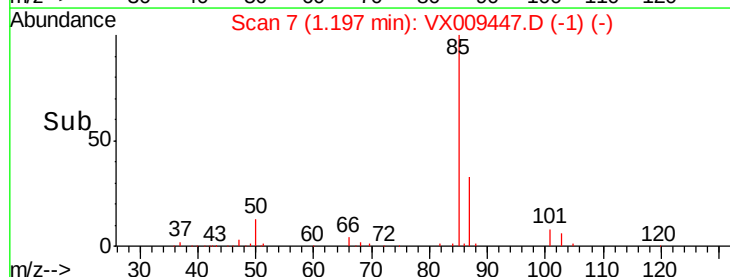
15000

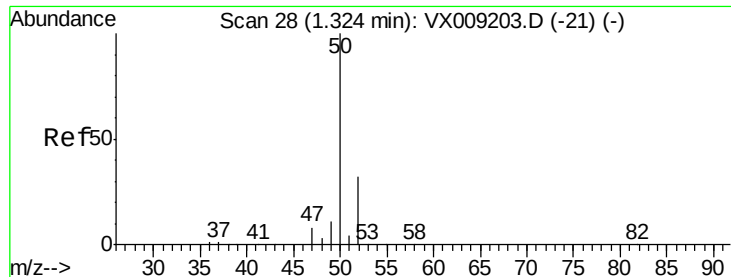
10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 21.458 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

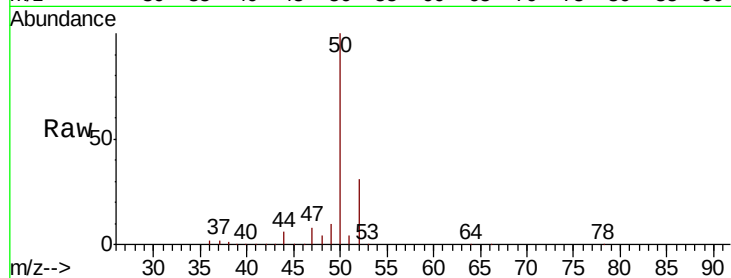
ClientSampleId :

Tot Ion: 50 Resp: 42708

Ion Ratio Lower Upper

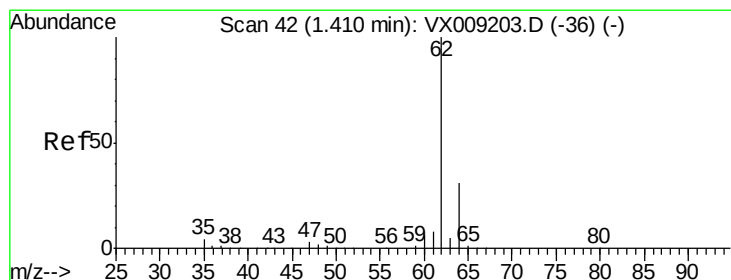
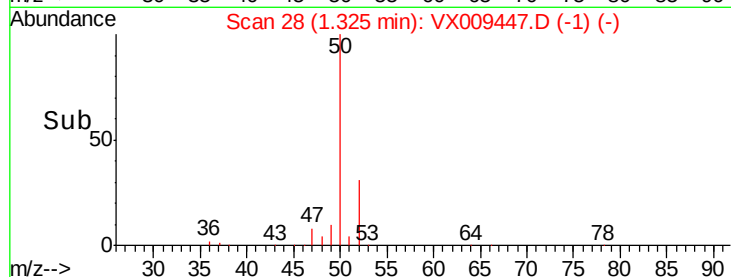
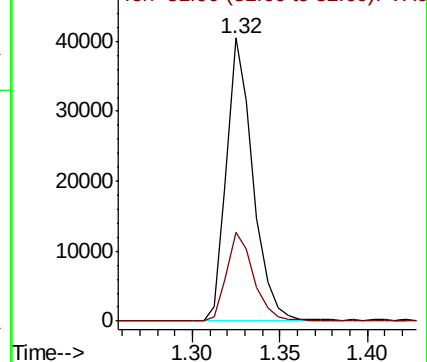
50 100

52 31.3 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: 21.430 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX009447.D

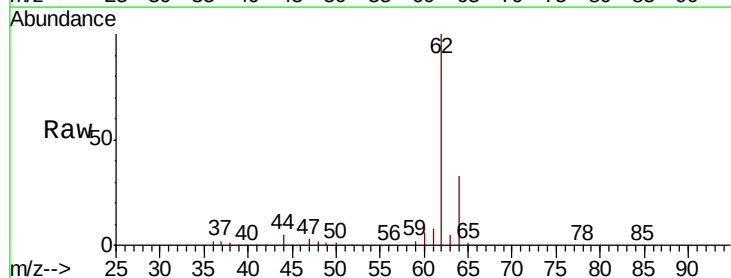
Acq: 09 May 2019 23:34

Tgt Ion: 62 Resp: 41591

Ion Ratio Lower Upper

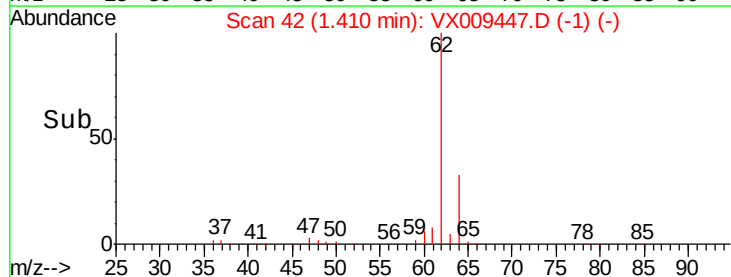
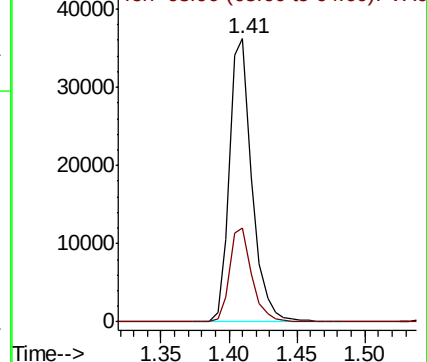
62 100

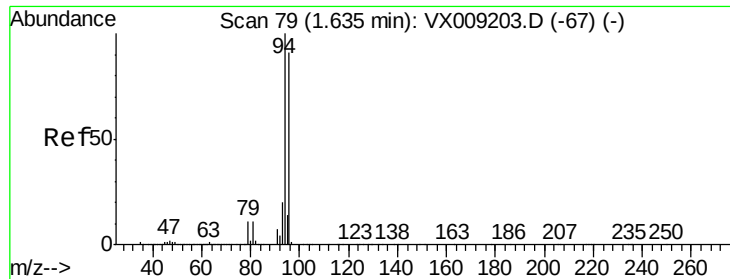
64 33.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 21.153 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

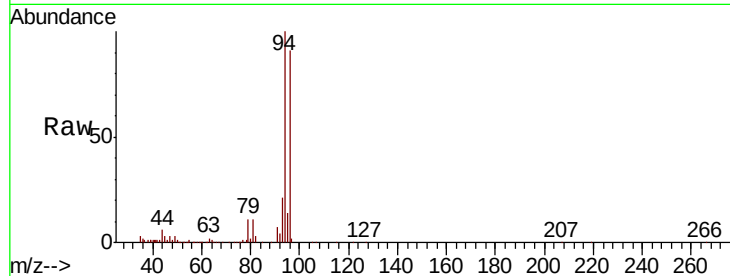
ClientSampled :

Tot Ion: 94 Resp: 24641

Ion Ratio Lower Upper

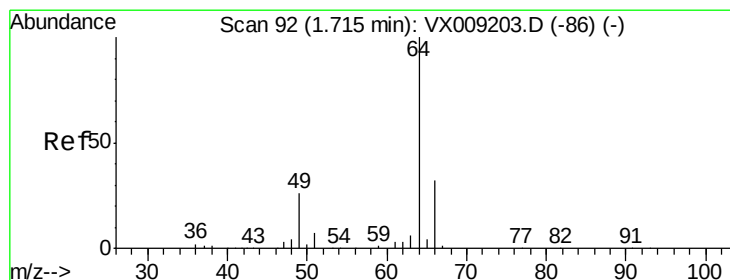
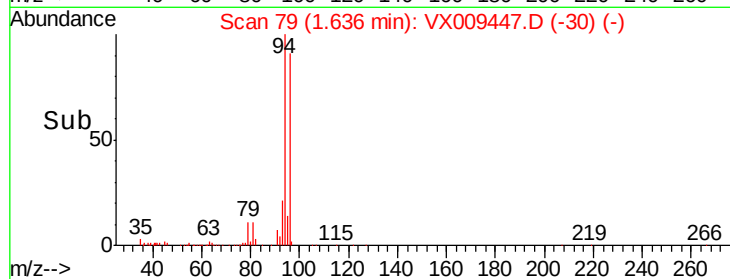
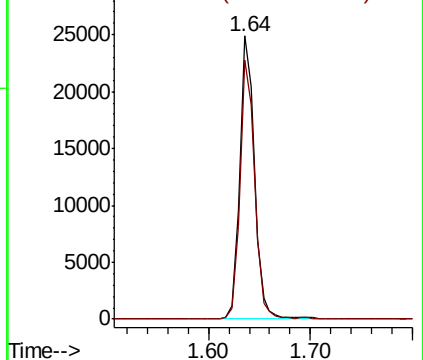
94 100

96 91.4 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: 21.837 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009447.D

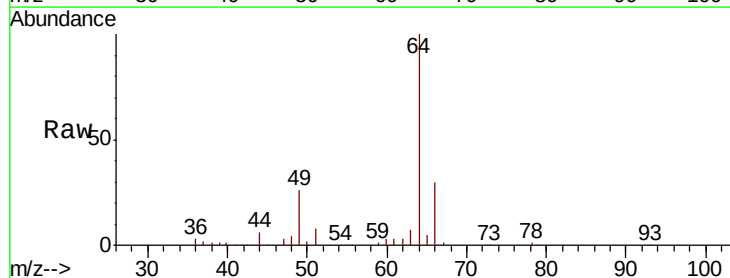
Acq: 09 May 2019 23:34

Tgt Ion: 64 Resp: 27210

Ion Ratio Lower Upper

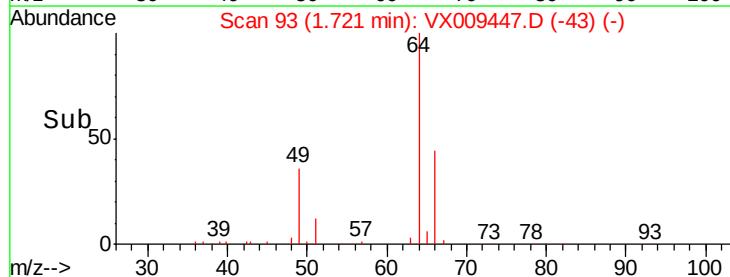
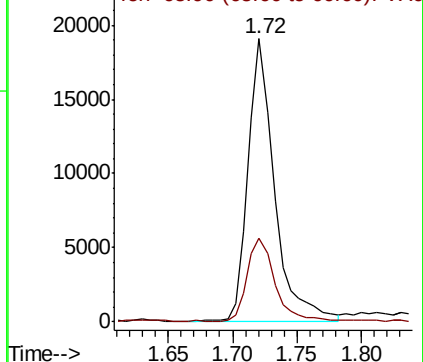
64 100

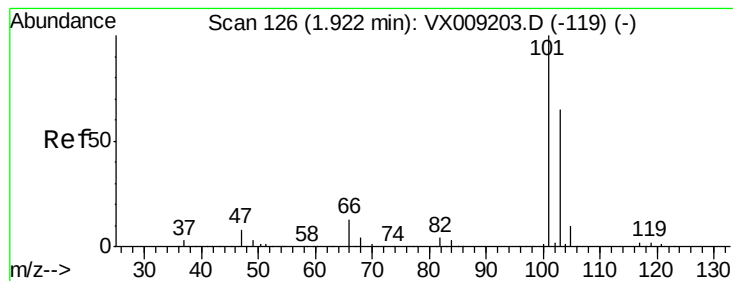
66 29.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



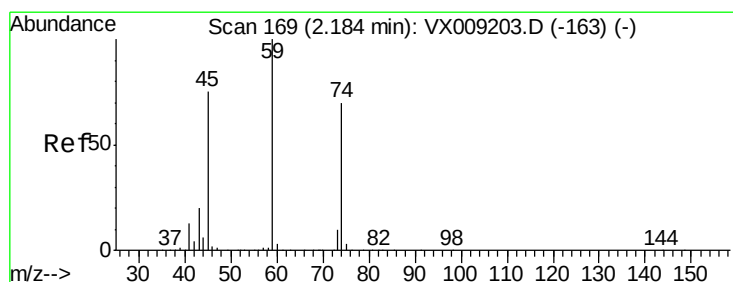
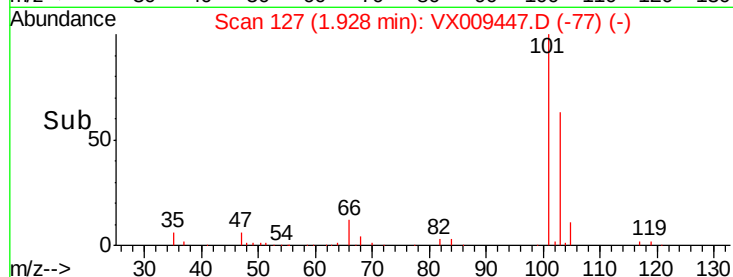
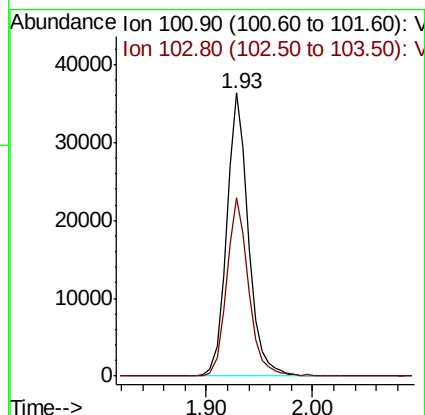
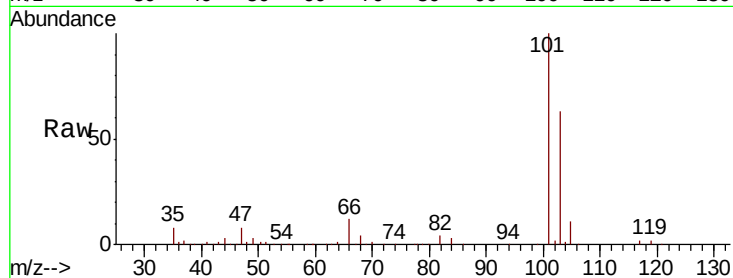


#7

Trichlorofluoromethane
 Concen: 21.934 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampled :

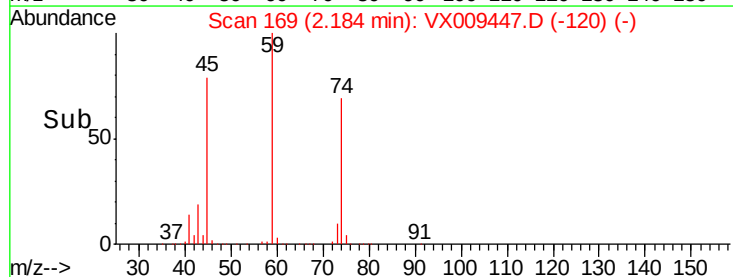
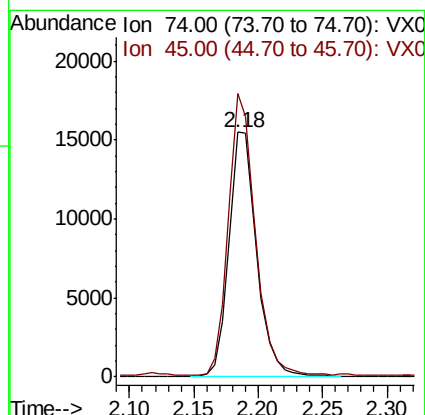
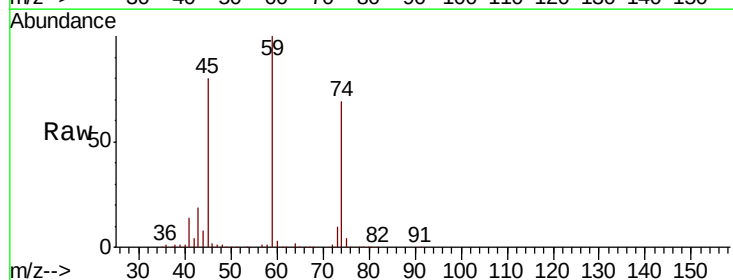
Tot Ion:101 Resp: 51745
 Ion Ratio Lower Upper
 101 100
 103 63.0 52.4 78.6

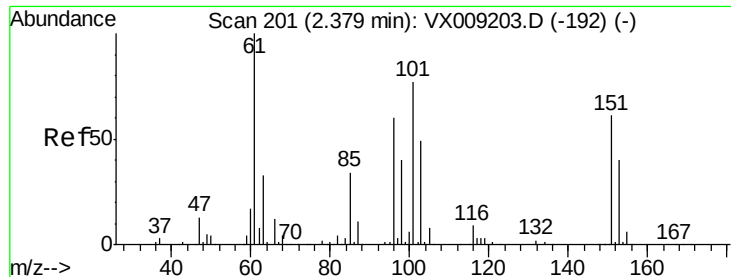


#8

Diethyl Ether
 Concen: 21.056 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion: 74 Resp: 23530
 Ion Ratio Lower Upper
 74 100
 45 111.0 53.3 159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.717 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

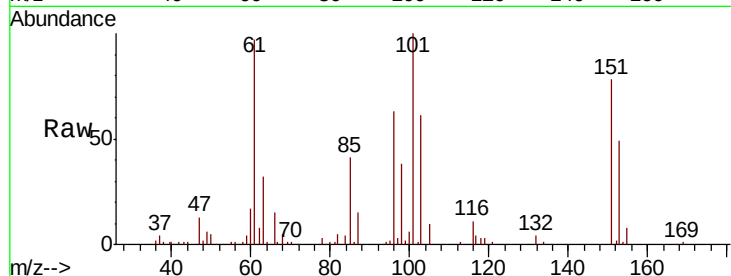
Tot Ion:101 Resp: 30692

Ion Ratio Lower Upper

101 100

85 44.1 35.7 53.5

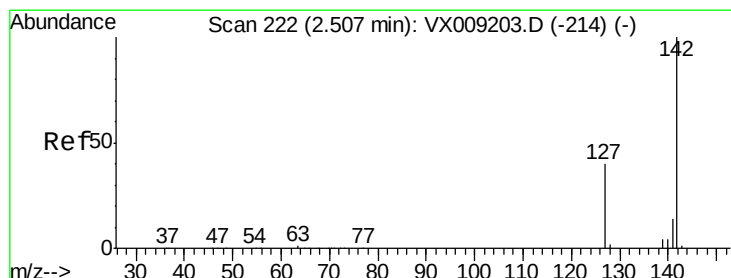
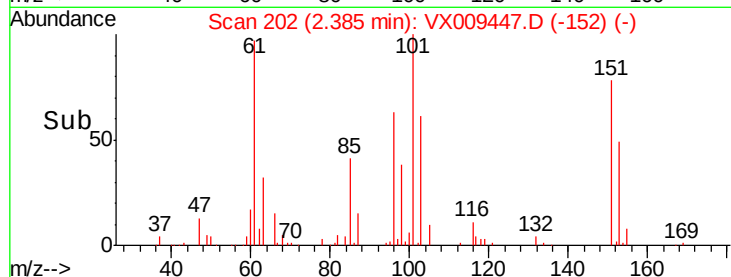
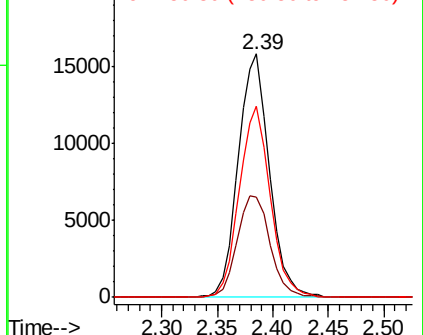
151 77.9 62.2 93.2



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: 19.895 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

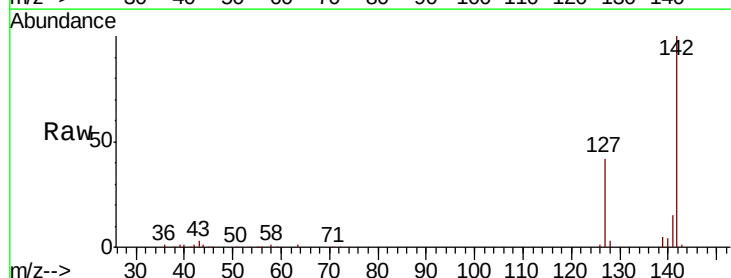
Tgt Ion:142 Resp: 29003

Ion Ratio Lower Upper

142 100

127 40.5 32.7 49.1

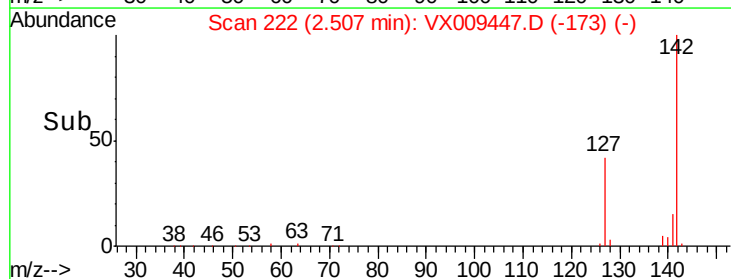
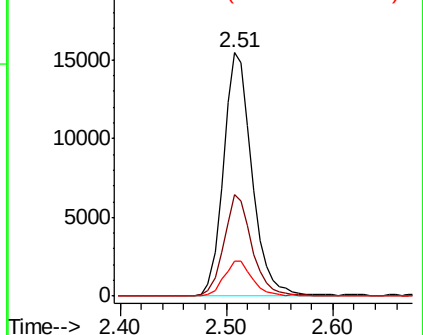
141 14.4 11.5 17.3

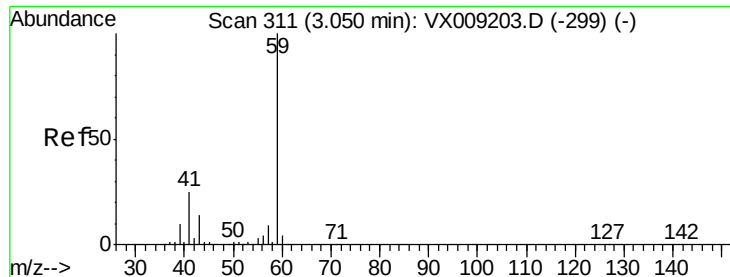


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

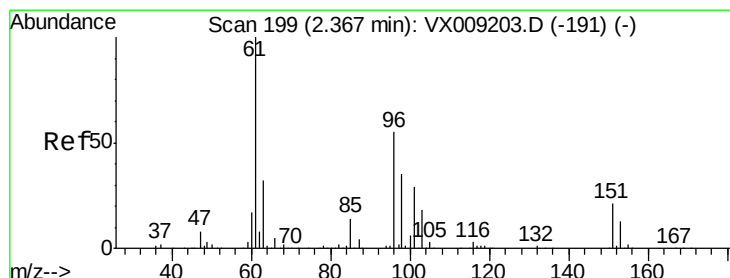
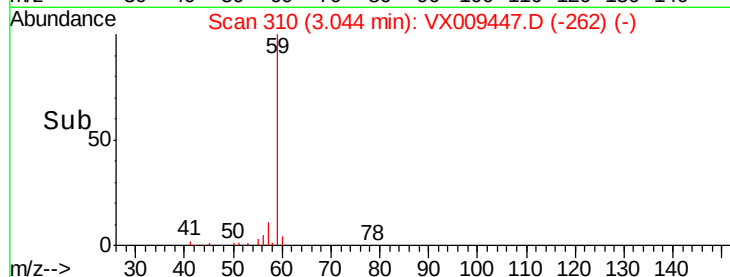
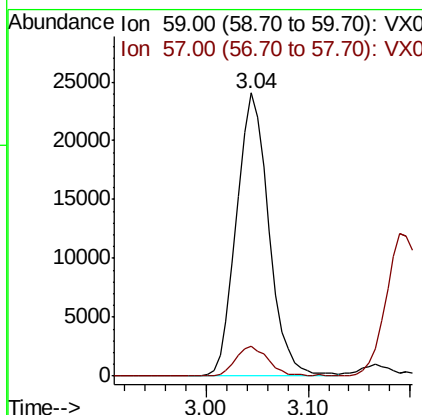
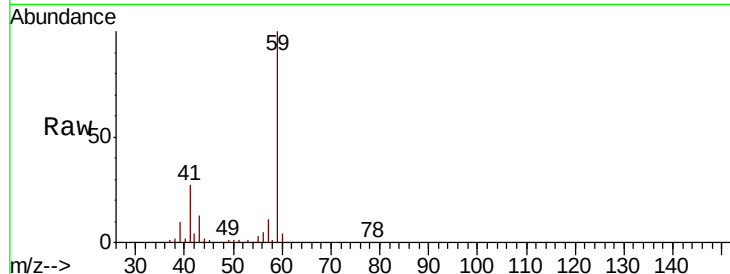




#11
Tert butyl alcohol
Concen: 106.272 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

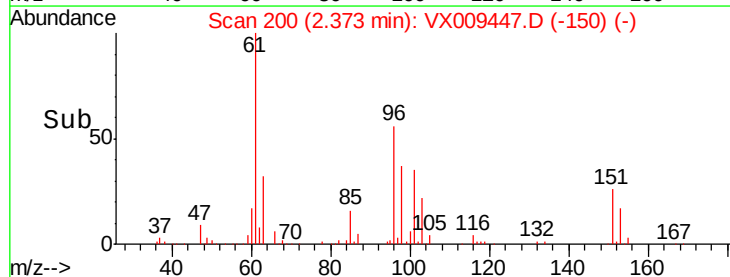
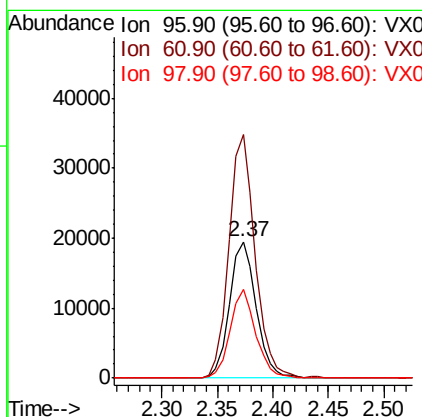
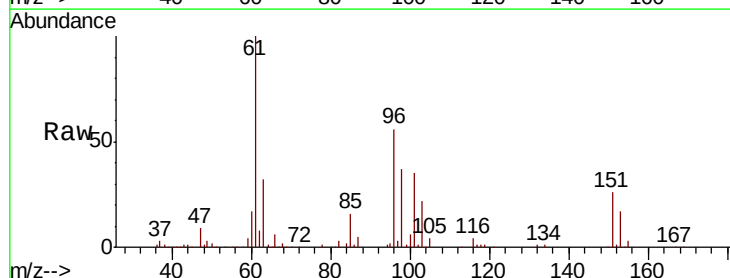
Instrument :
MSVOA_X
ClientSampled :

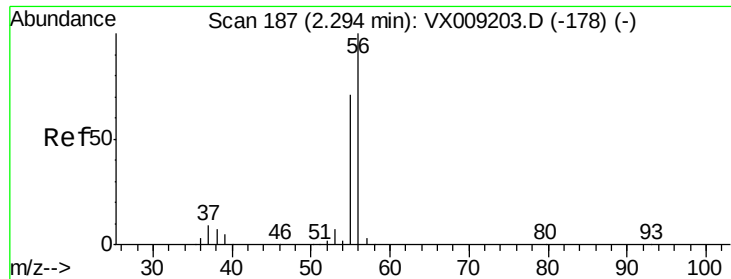
Tot Ion: 59 Resp: 53124
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2



#12
1,1-Dichloroethene
Concen: 21.745 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 96 Resp: 32277
Ion Ratio Lower Upper
96 100
61 178.0 144.3 216.5
98 65.3 50.3 75.5

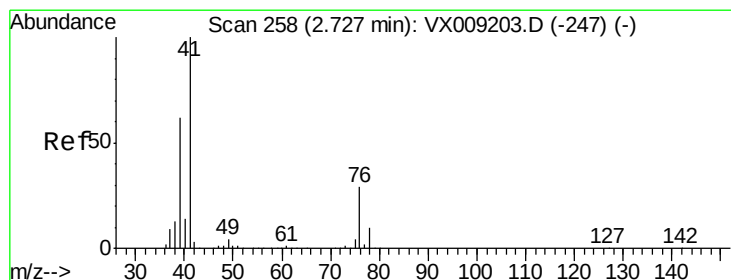
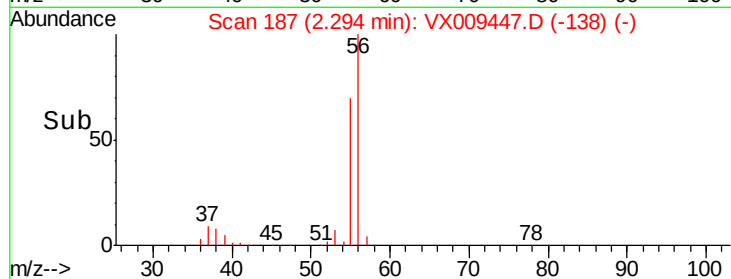
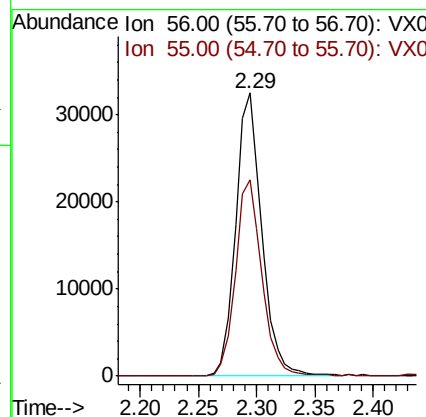
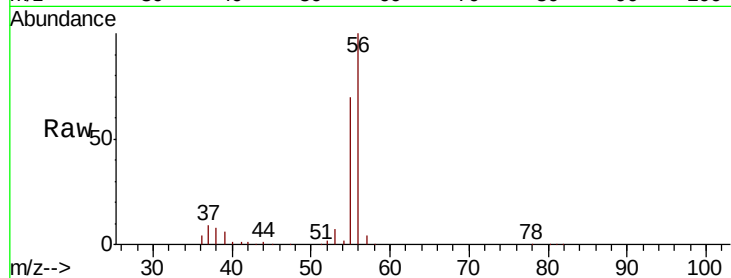




#13
 Acrolein
 Concen: 112.550 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

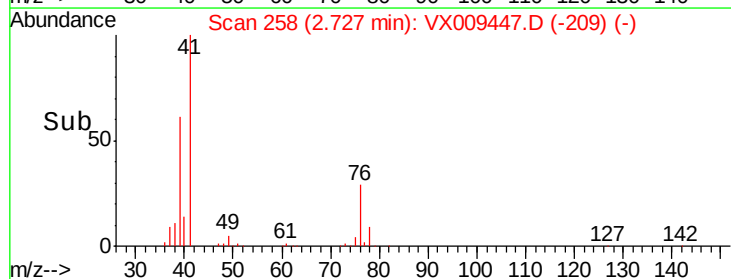
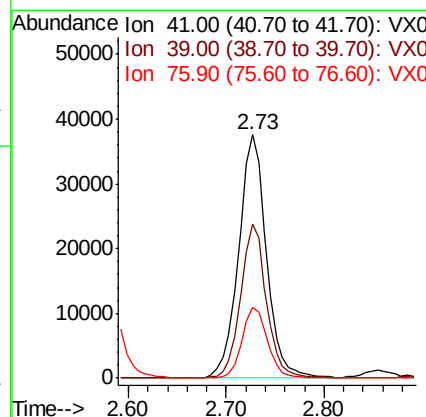
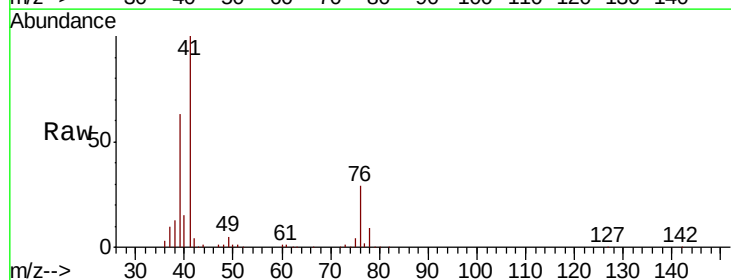
Instrument :
 MSVOA_X
 ClientSampleId :

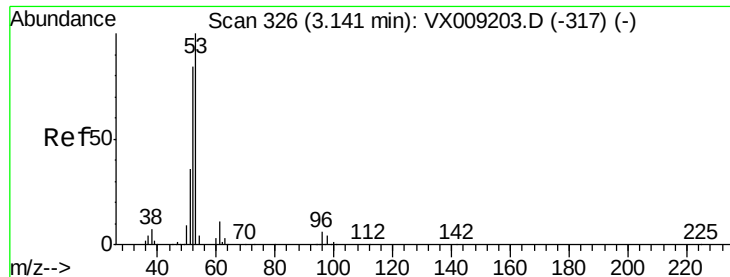
Tot Ion: 56 Resp: 50953
 Ion Ratio Lower Upper
 56 100
 55 70.2 56.6 85.0



#14
 Allyl chloride
 Concen: 20.527 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion: 41 Resp: 74254
 Ion Ratio Lower Upper
 41 100
 39 58.7 46.7 70.1
 76 26.8 21.8 32.8





#15

Acrylonitrile

Concen: 103.936 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

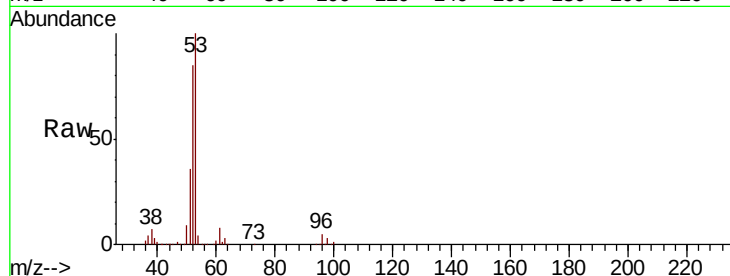
Tot Ion: 53 Resp: 127037

Ion Ratio Lower Upper

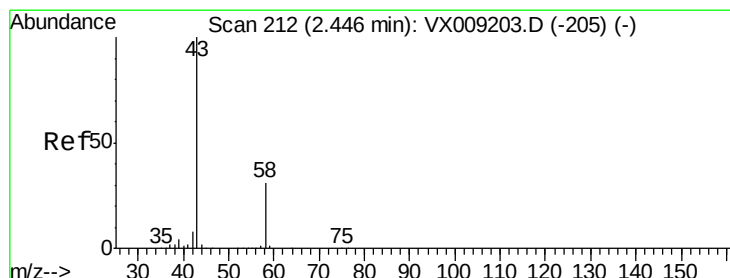
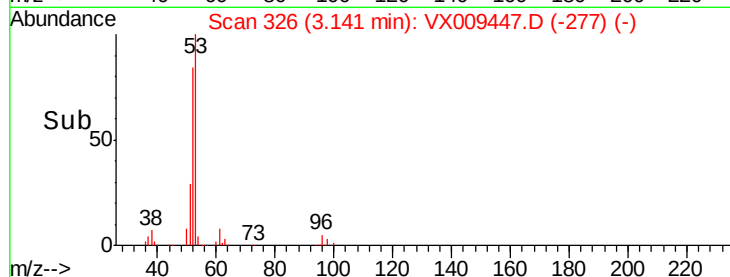
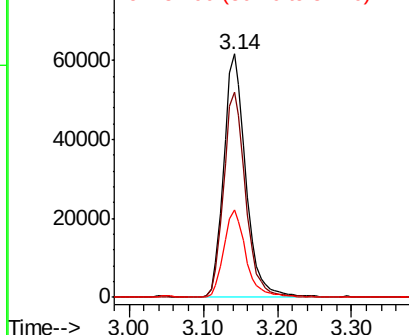
53 100

52 84.4 66.9 100.3

51 36.6 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: 95.962 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009447.D

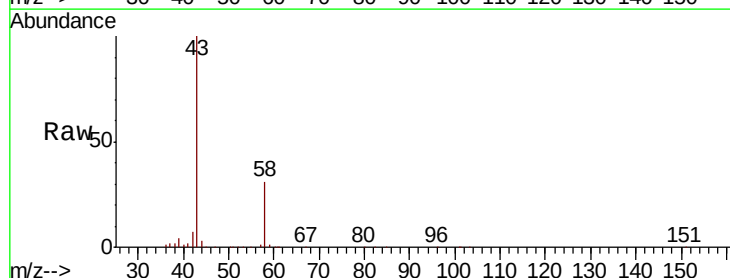
Acq: 09 May 2019 23:34

Tgt Ion: 43 Resp: 111278

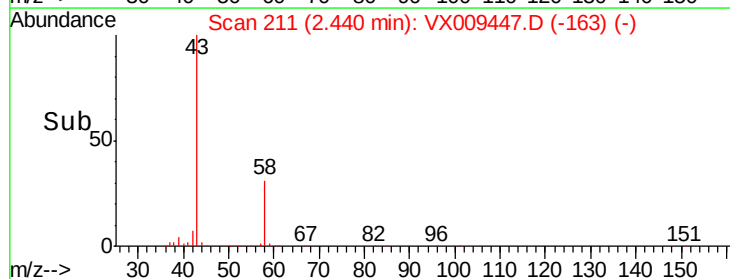
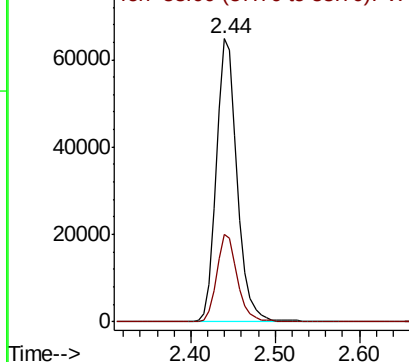
Ion Ratio Lower Upper

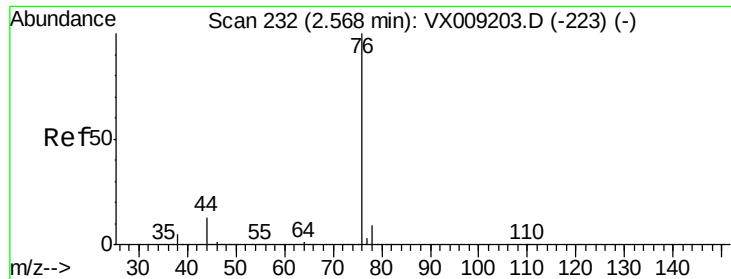
43 100

58 30.7 24.9 37.3



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

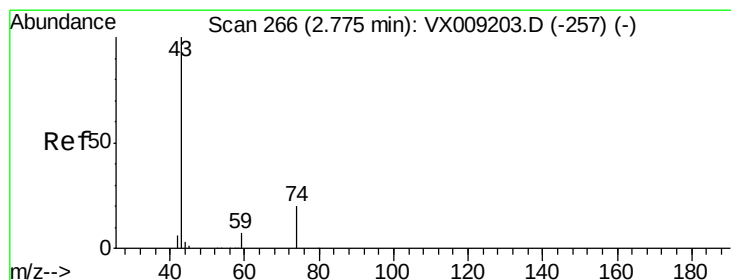
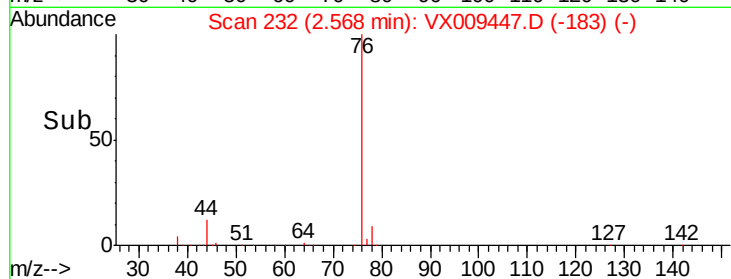
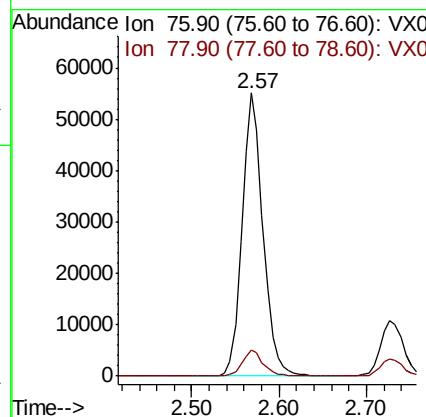
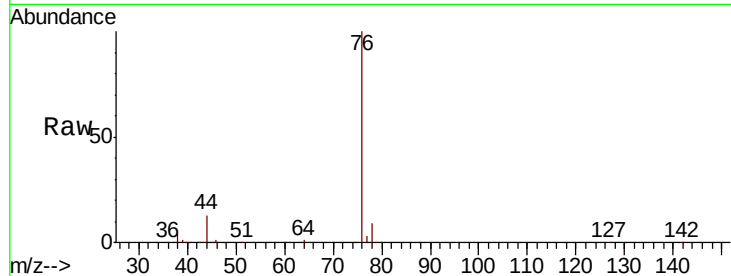




#17
Carbon Disulfide
Concen: 22.036 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

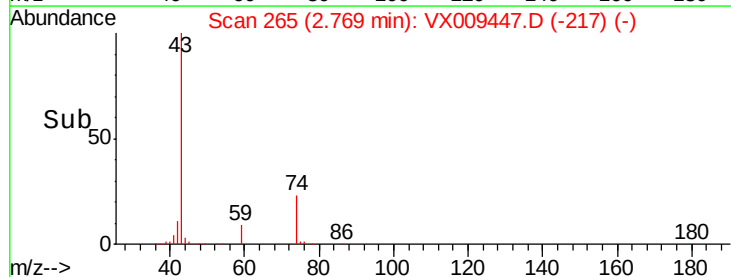
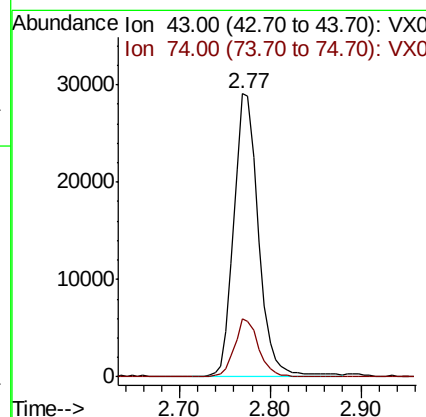
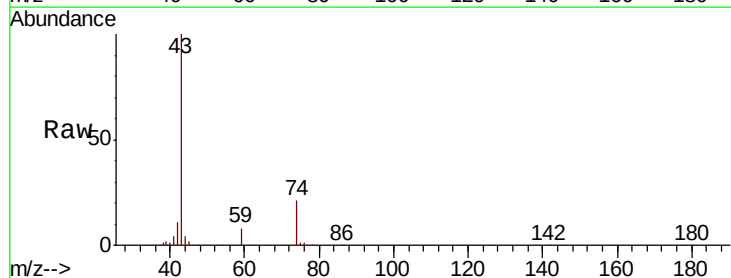
Instrument :
MSVOA_X
ClientSampleId :

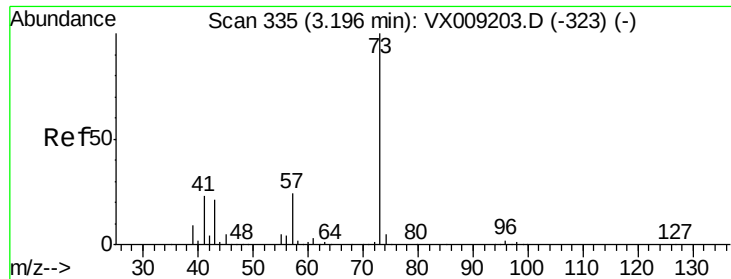
Tot Ion: 76 Resp: 91831
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 19.874 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 43 Resp: 54807
Ion Ratio Lower Upper
43 100
74 20.4 16.2 24.4



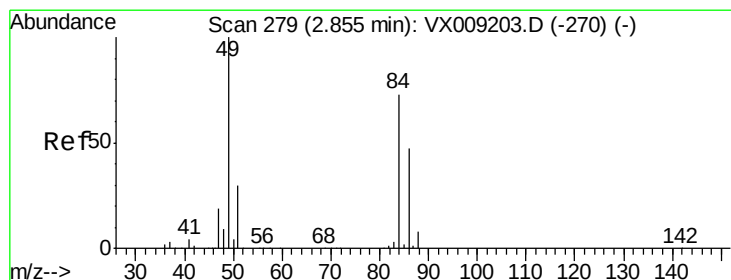
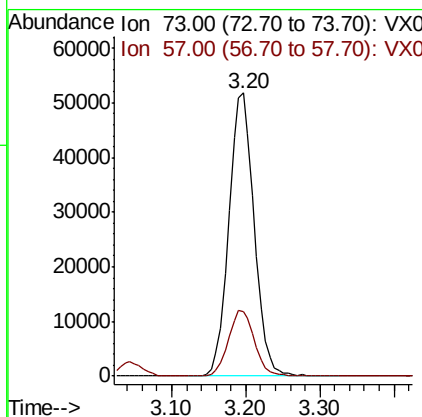
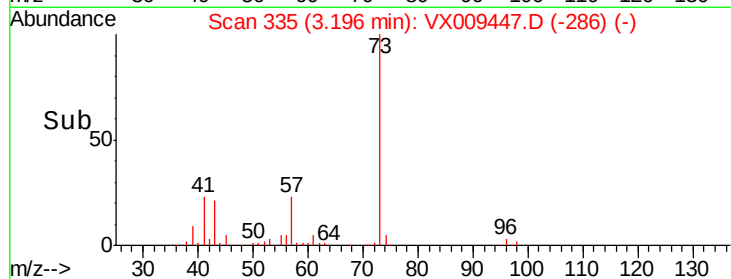
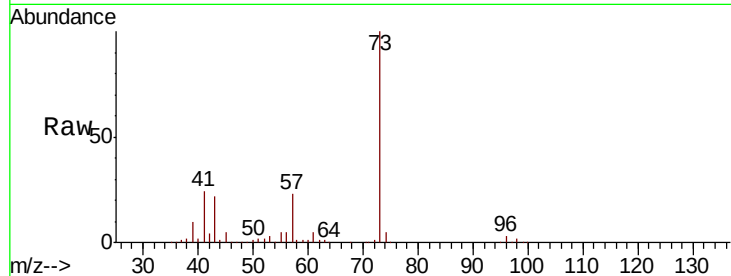


#19

Methvl tert-butvl Ether
 Concen: 21.371 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :

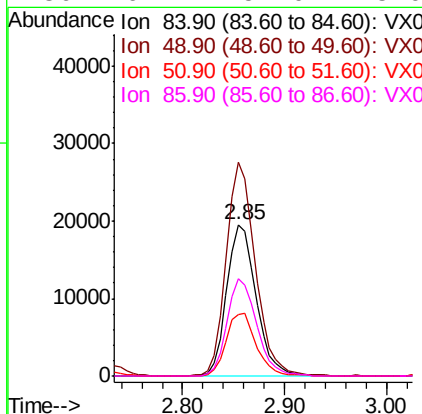
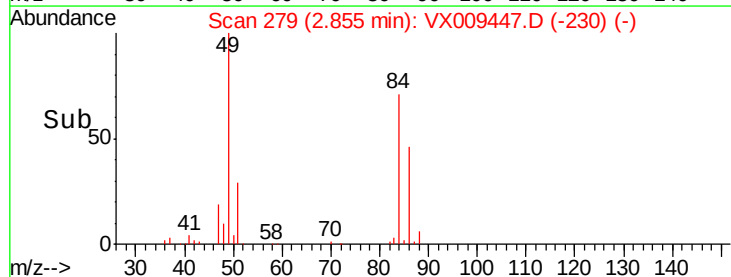
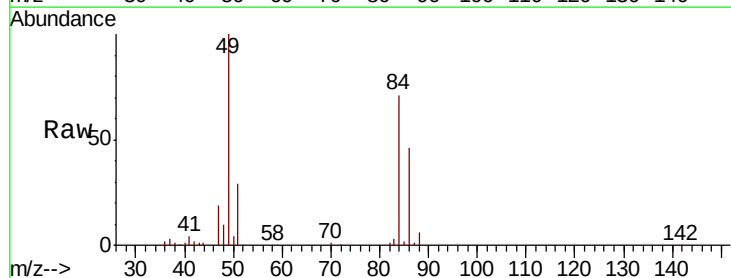
Tot Ion: 73 Resp: 123182
 Ion Ratio Lower Upper
 73 100
 57 22.9 19.3 28.9

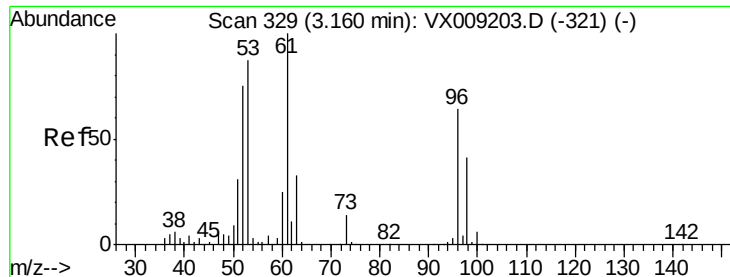


#20

Methylene Chloride
 Concen: 20.718 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion: 84 Resp: 38900
 Ion Ratio Lower Upper
 84 100
 49 140.7 109.9 164.9
 51 41.0 32.7 49.1
 86 64.2 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 21.908 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :

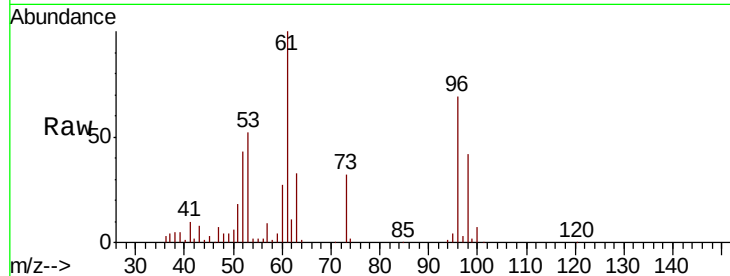
Tot Ion: 96 Resp: 35267

Ion Ratio Lower Upper

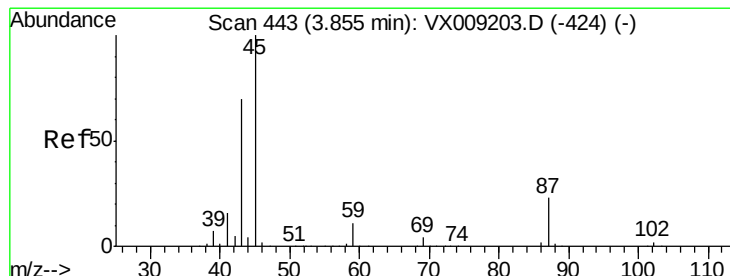
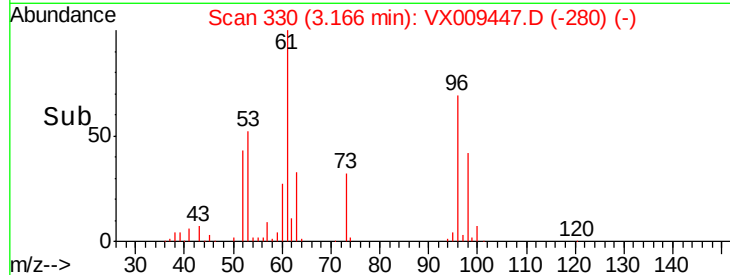
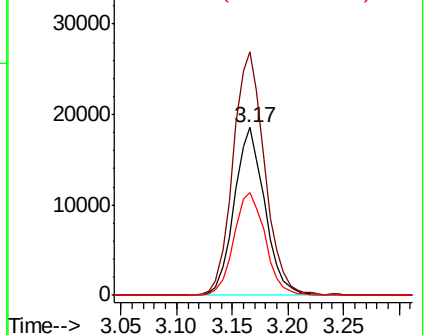
96 100

61 144.9 124.5 186.7

98 61.4 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: 21.330 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Tgt Ion: 45 Resp: 148382

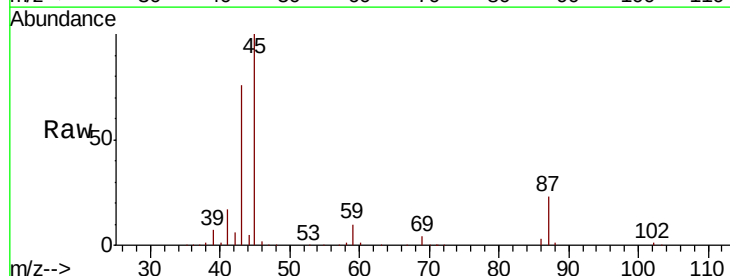
Ion Ratio Lower Upper

45 100

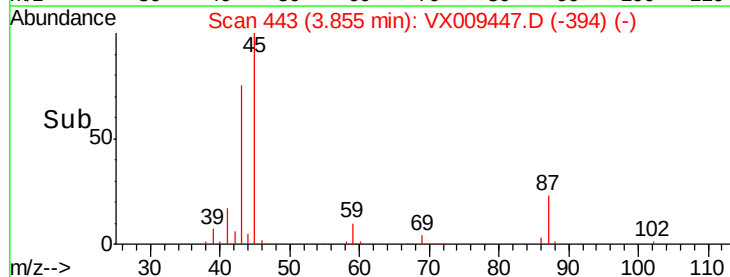
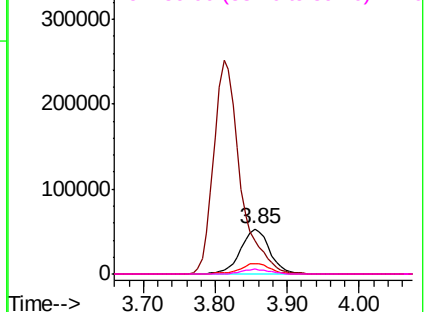
43 75.0 56.1 84.1

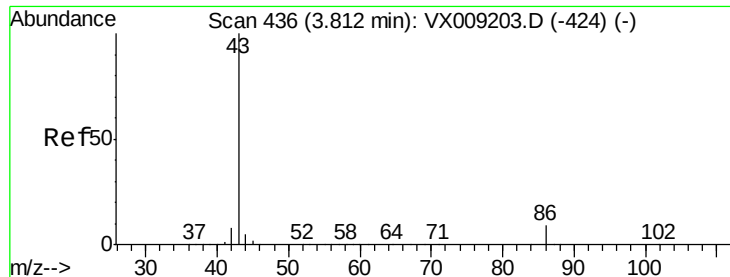
87 22.5 18.1 27.1

59 10.4 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: 108.715 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

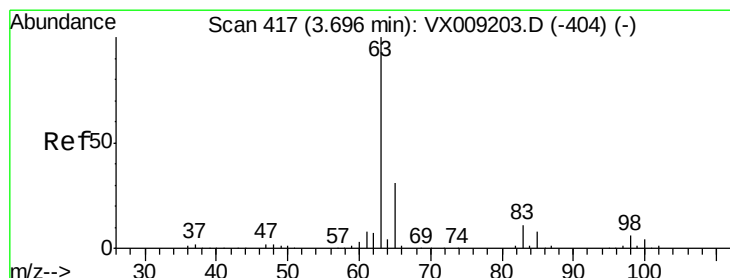
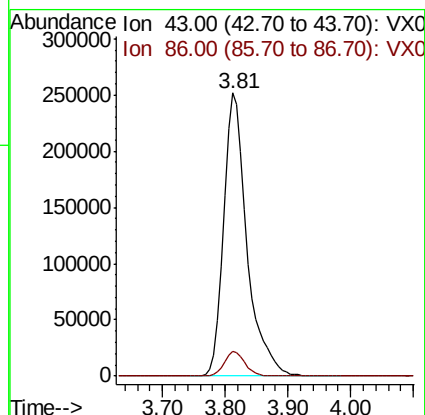
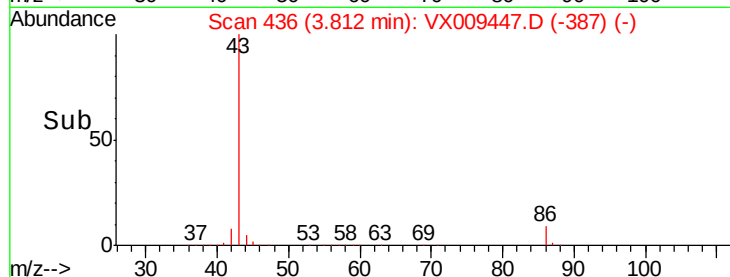
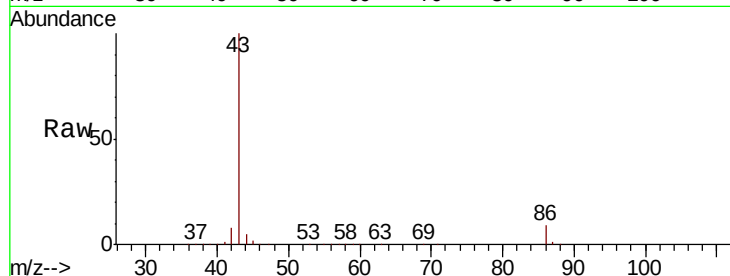
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 647616

Ion Ratio Lower Upper

43 100

86 8.6 6.9 10.3



#24

1,1-Dichloroethane

Concen: 20.967 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

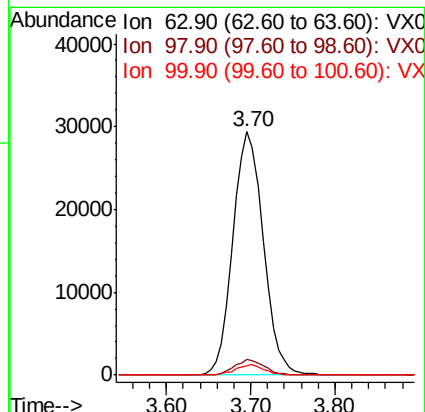
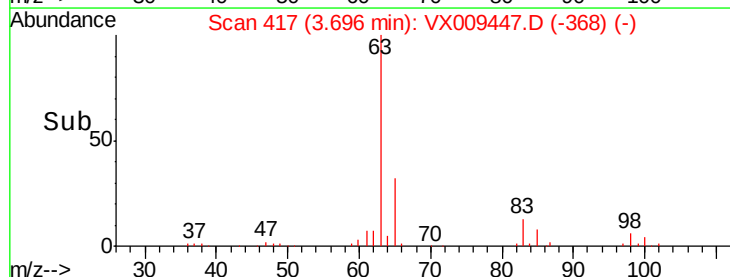
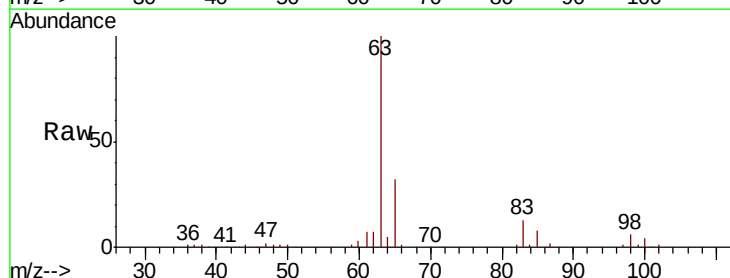
Tgt Ion: 63 Resp: 71954

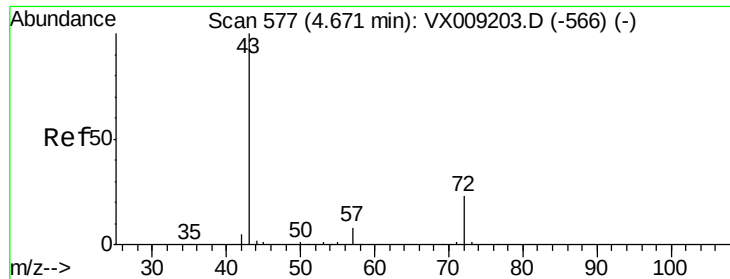
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.0 2.0 6.0





#25

2-Butanone

Concen: 103.789 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

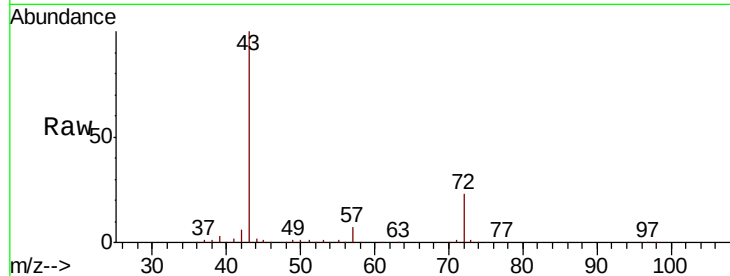
ClientSampleId :

Tot Ion: 43 Resp: 187028

Ion Ratio Lower Upper

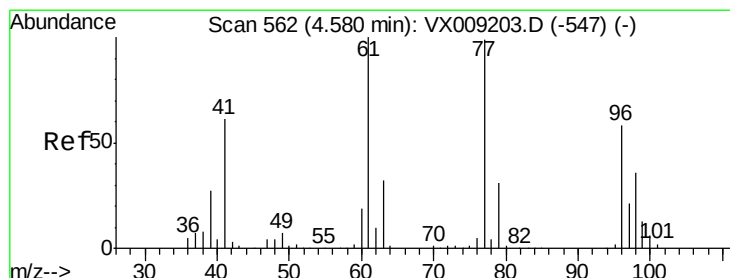
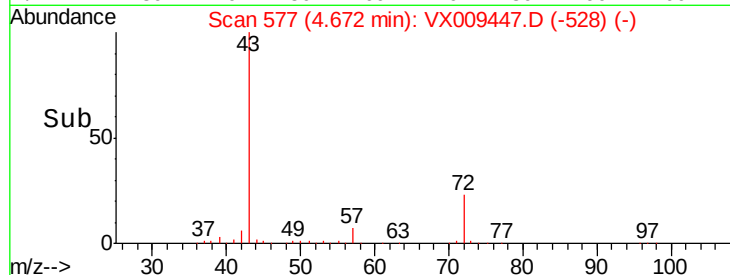
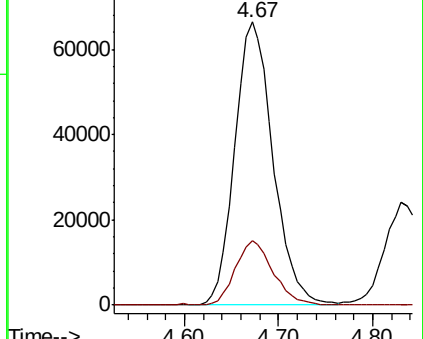
43 100

72 22.7 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: 17.237 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX009447.D

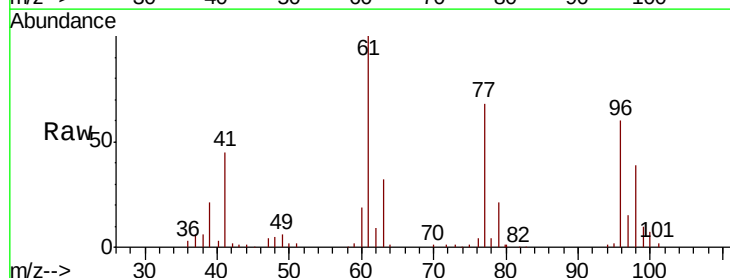
Acq: 09 May 2019 23:34

Tgt Ion: 77 Resp: 44030

Ion Ratio Lower Upper

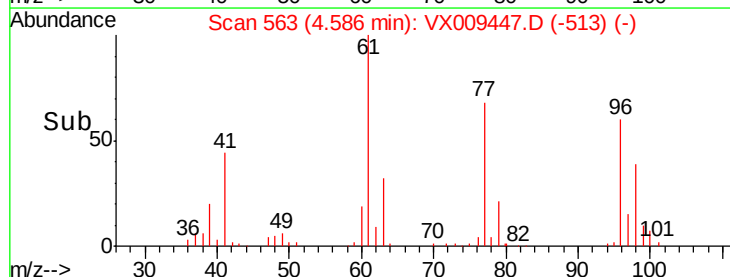
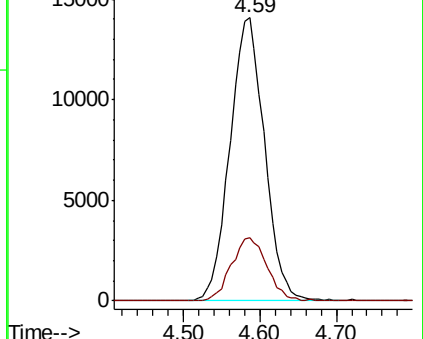
77 100

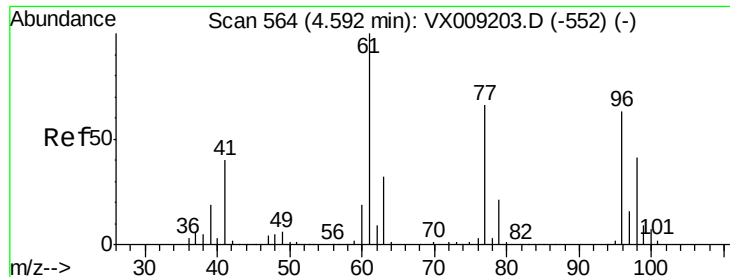
97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



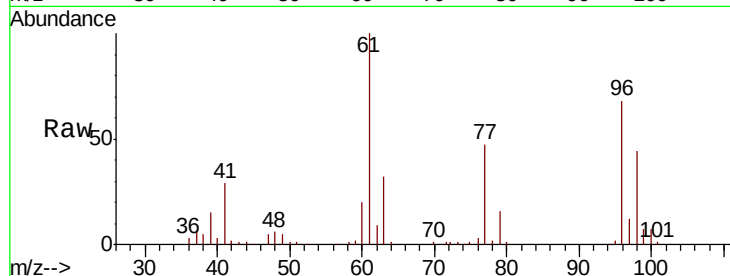


#27

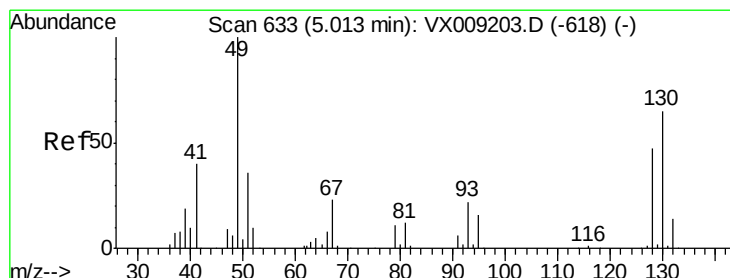
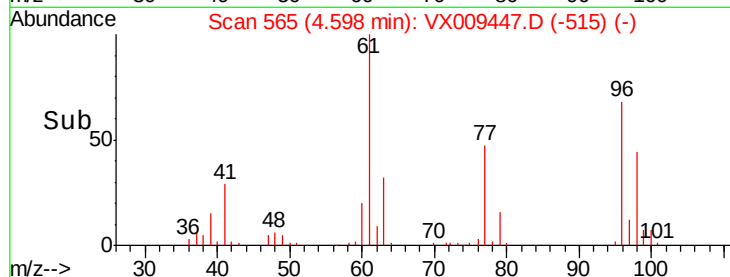
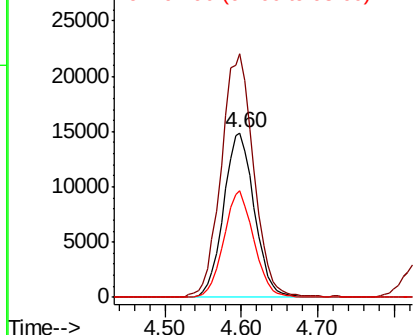
cis-1,2-Dichloroethene
Concen: 21.506 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 96 Resp: 41322
Ion Ratio Lower Upper
96 100
61 156.1 0.0 324.0
98 63.3 0.0 130.4



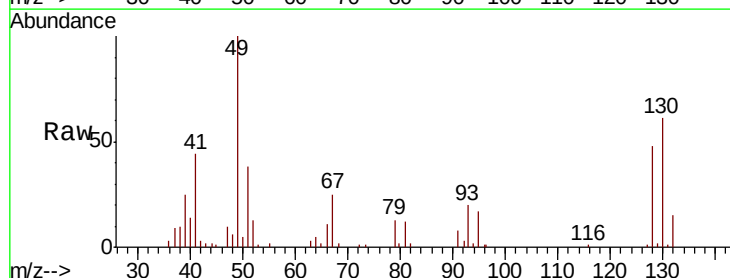
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



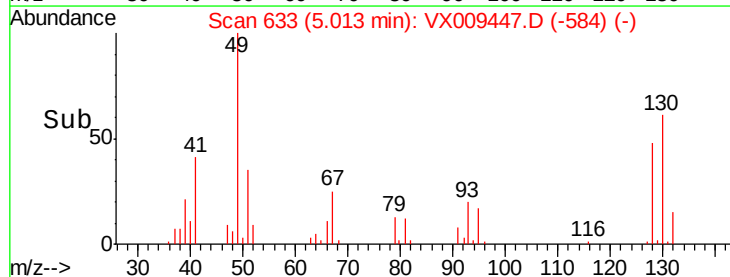
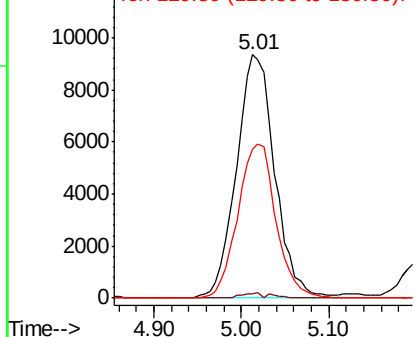
#28

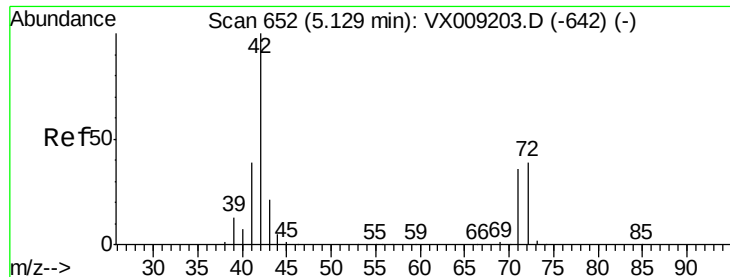
Bromochloromethane
Concen: 18.924 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 49 Resp: 28496
Ion Ratio Lower Upper
49 100
129 1.0 0.0 3.8
130 63.0 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: 108.059 ug/l

RT: 5.13 min Scan# 652

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

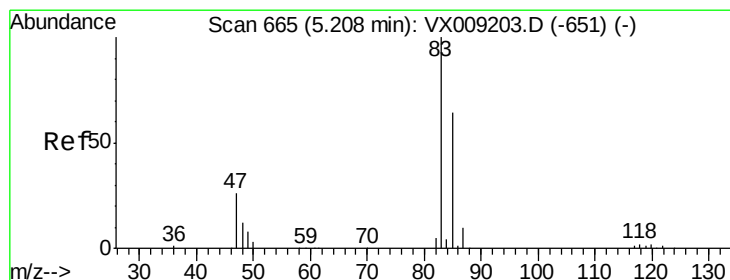
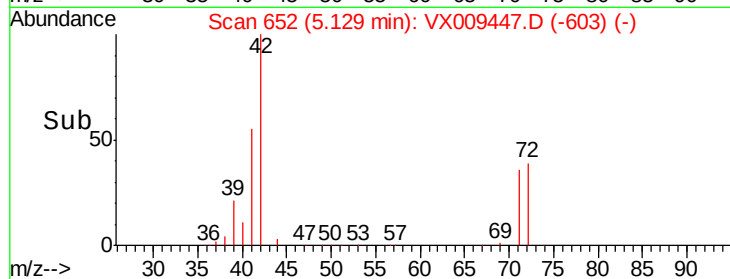
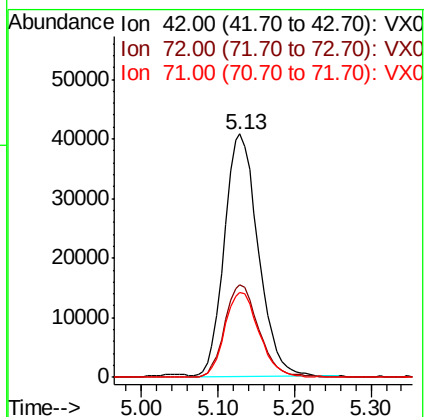
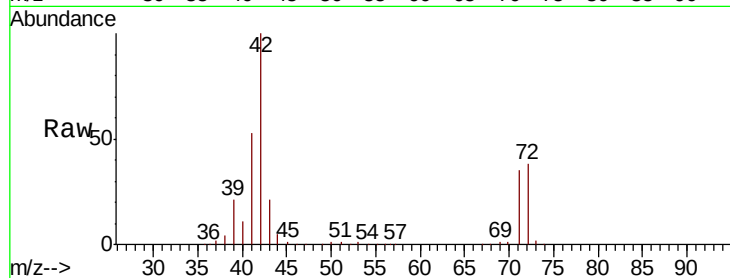
Tot Ion: 42 Resp: 125303

Ion Ratio Lower Upper

42 100

72 38.4 30.4 45.6

71 35.6 28.6 43.0



#30

Chloroform

Concen: 21.497 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.01 min

Lab File: VX009447.D

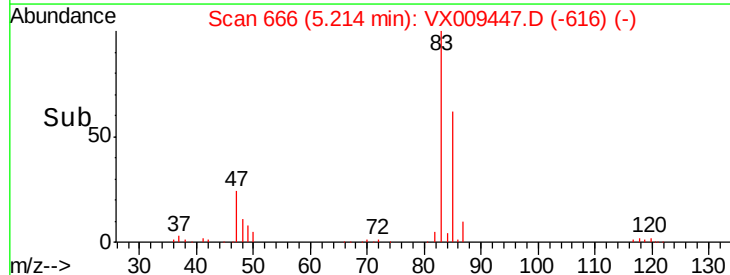
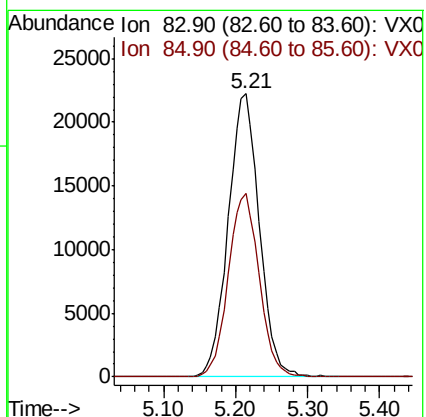
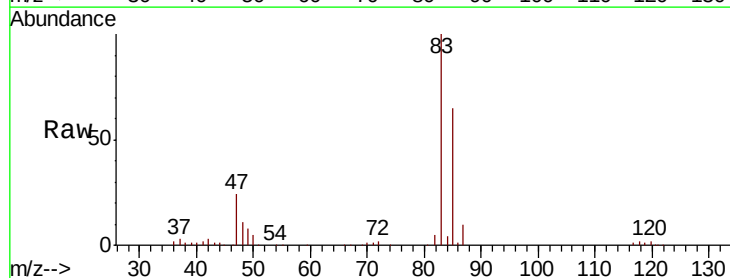
Acq: 09 May 2019 23:34

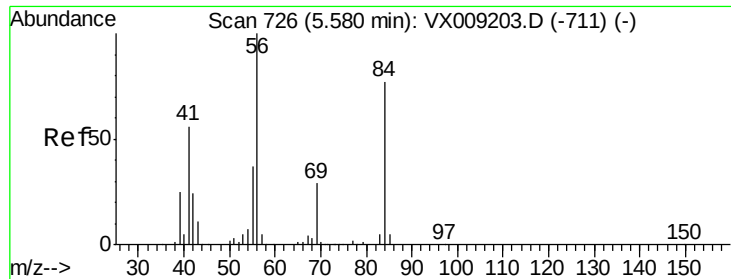
Tgt Ion: 83 Resp: 66724

Ion Ratio Lower Upper

83 100

85 65.0 51.5 77.3

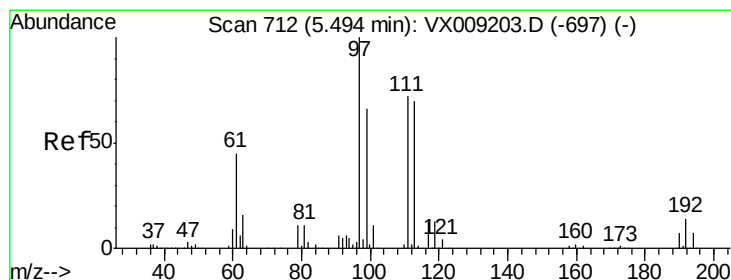
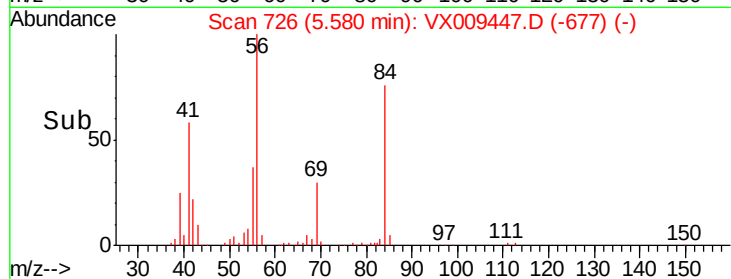
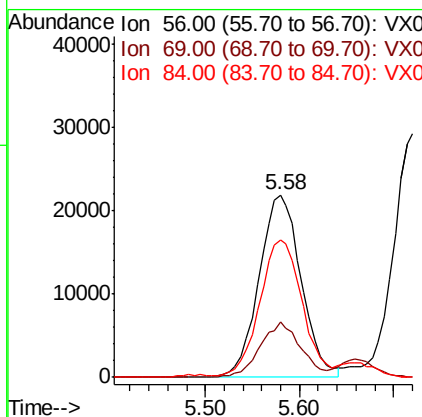
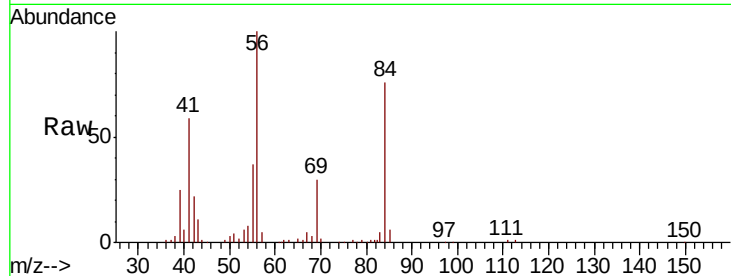




#31
Cyclohexane
Concen: 21.388 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

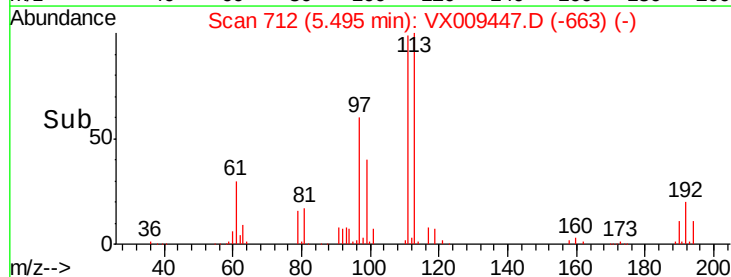
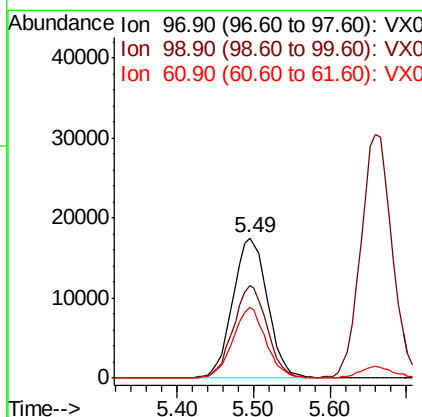
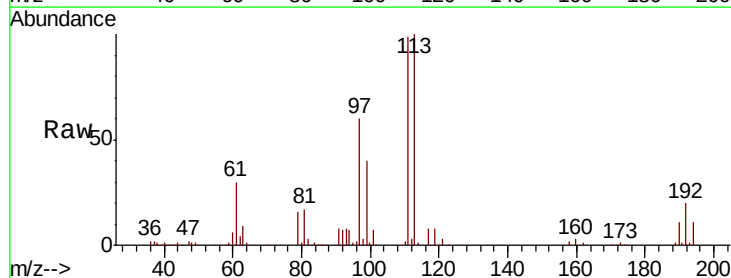
Instrument :
MSVOA_X
ClientSampleId :

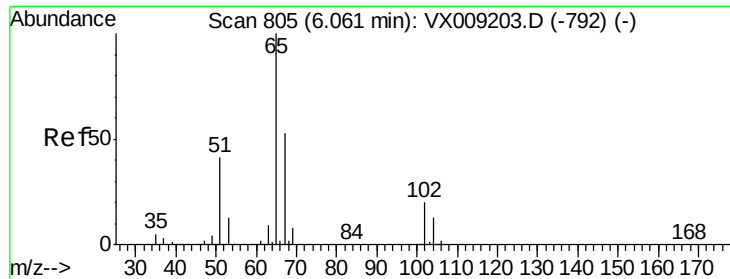
Tot Ion: 56 Resp: 68288
Ion Ratio Lower Upper
56 100
69 30.2 23.4 35.0
84 74.2 61.9 92.9



#32
1,1,1-Trichloroethane
Concen: 21.304 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 97 Resp: 55044
Ion Ratio Lower Upper
97 100
99 64.3 51.8 77.8
61 48.1 37.8 56.8

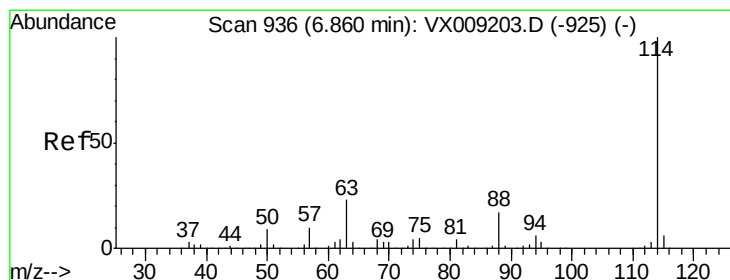
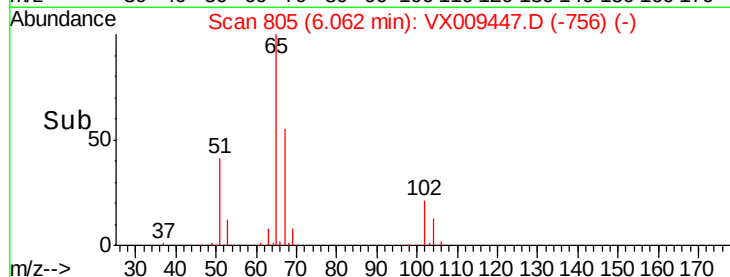
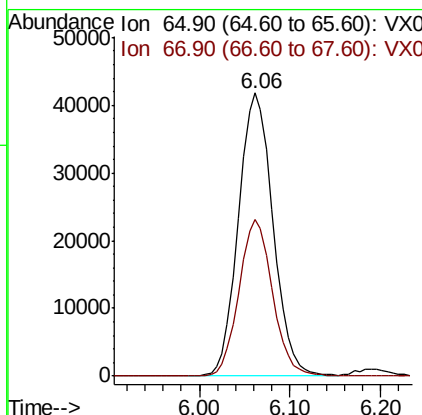
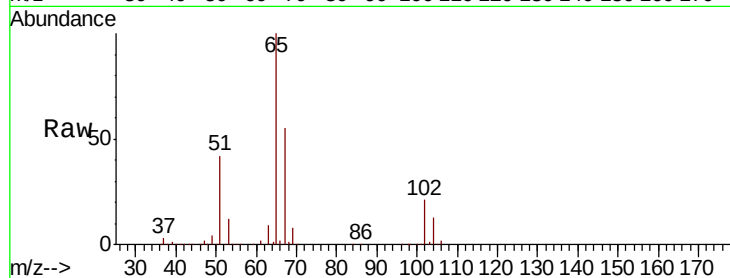




#33
 1,2-Dichloroethane-d4
 Concen: 51.182 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

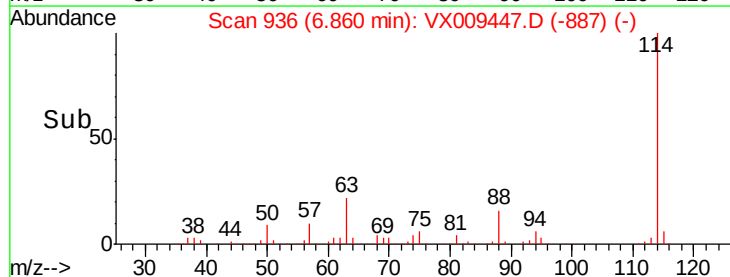
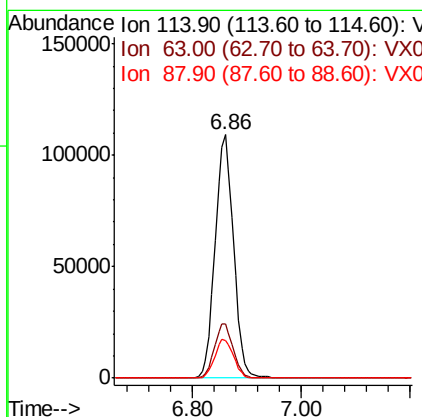
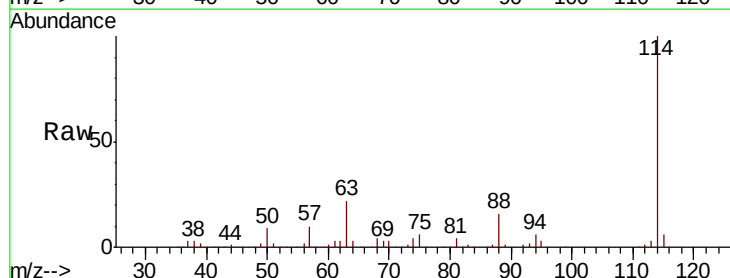
Instrument :
 MSVOA_X
 ClientSampleId :

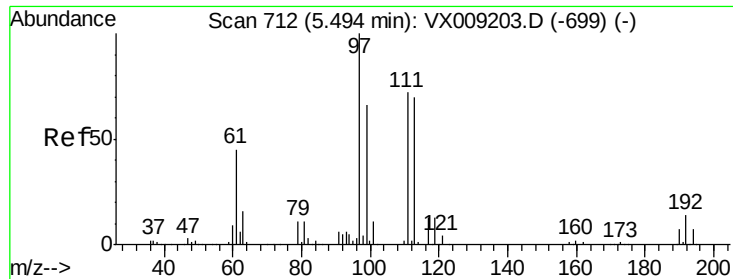
Tot Ion: 65 Resp: 110531
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion: 114 Resp: 257094
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.6
 88 15.7 0.0 33.2

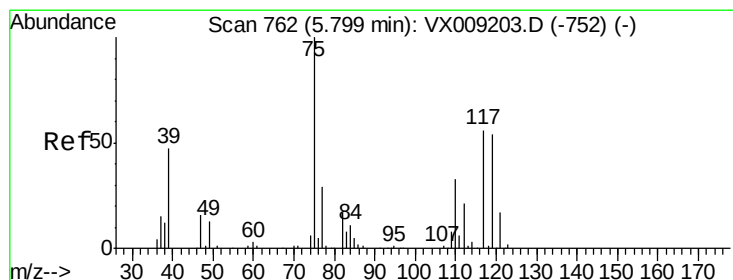
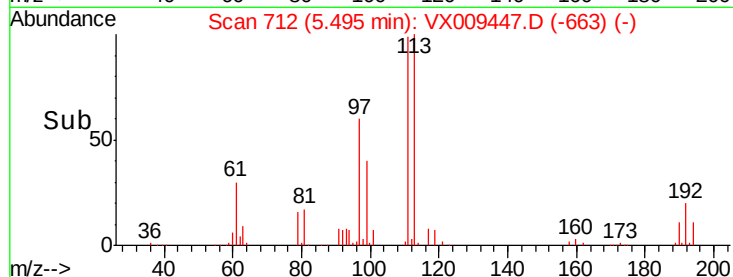
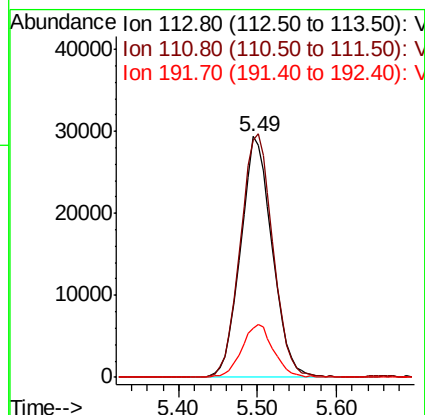
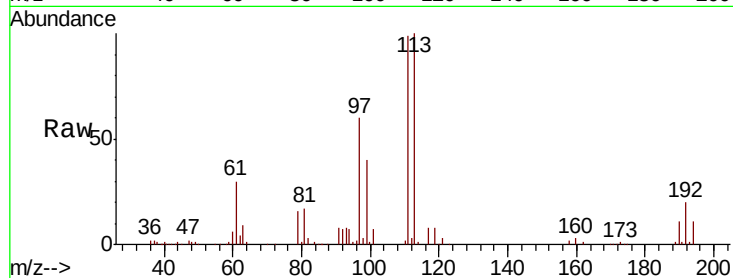




#35
 Dibromofluoromethane
 Concen: 50.727 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

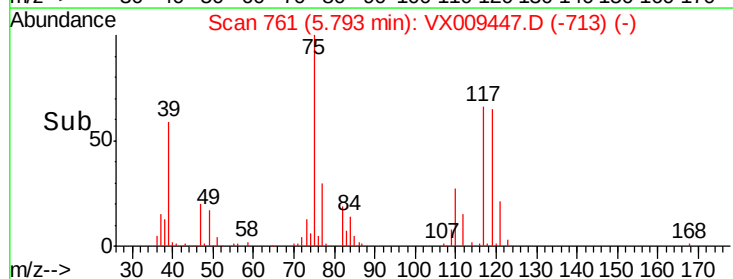
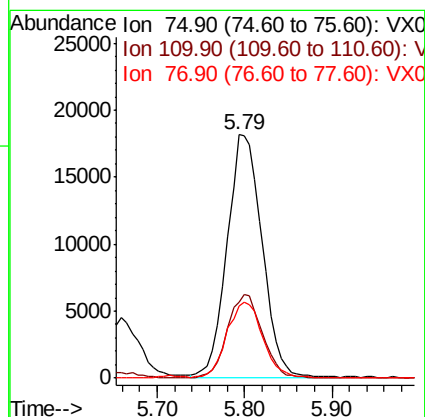
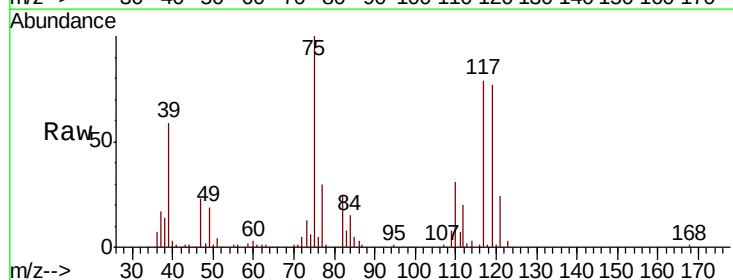
Instrument :
 MSVOA_X
 ClientSampleId :

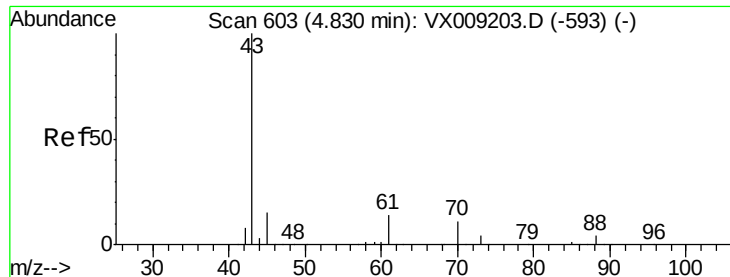
Tot Ion:113 Resp: 81985
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.8 124.2
 192 21.9 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 21.020 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion: 75 Resp: 50221
 Ion Ratio Lower Upper
 75 100
 110 34.6 16.9 50.6
 77 32.3 24.8 37.2





#37

Ethyl Acetate

Concen: 21.214 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampled :

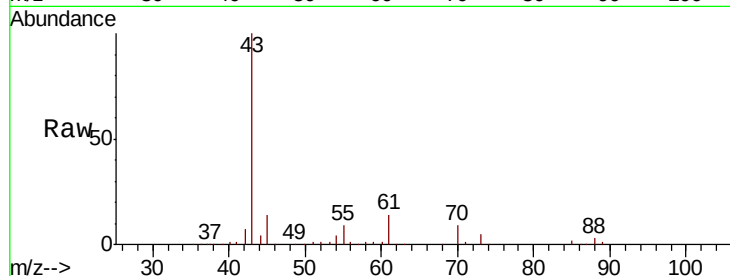
Tot Ion: 43 Resp: 70619

Ion Ratio Lower Upper

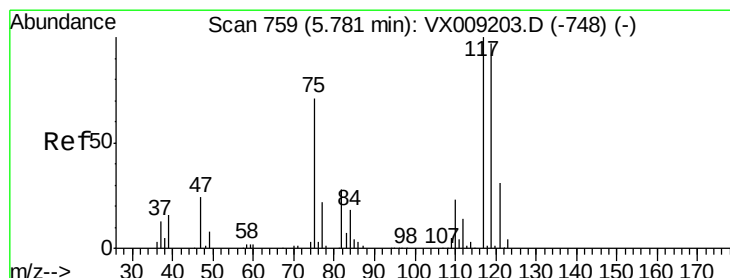
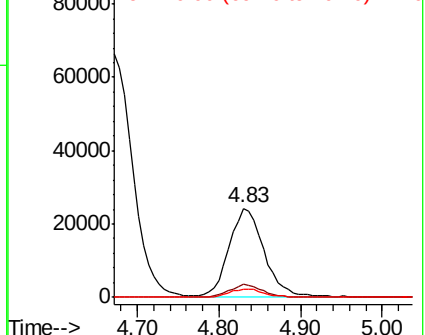
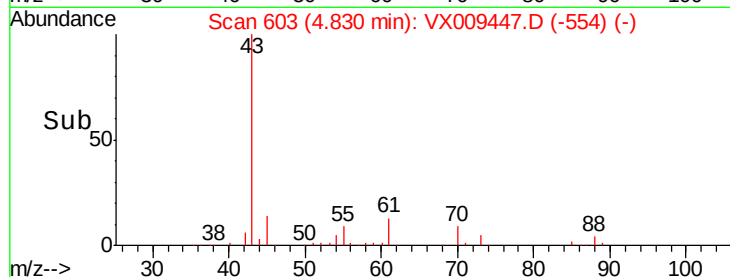
43 100

61 13.9 10.5 15.7

70 9.6 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VX009447.D (-554) (-)



#38

Carbon Tetrachloride

Concen: 20.964 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

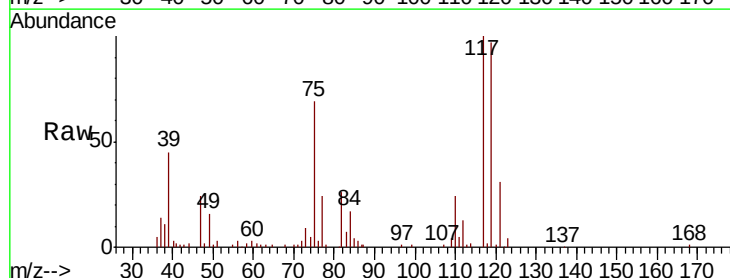
Tgt Ion: 117 Resp: 45508

Ion Ratio Lower Upper

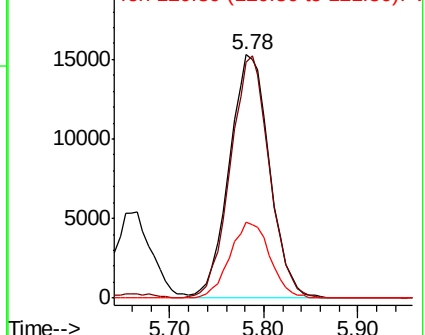
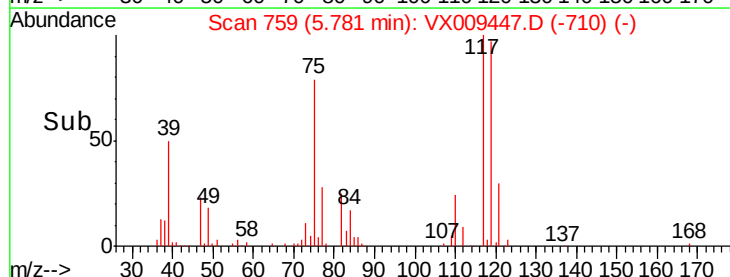
117 100

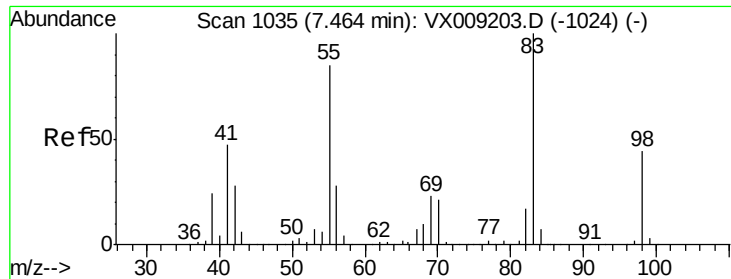
119 97.1 77.5 116.3

121 31.1 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): VX009447.D (-710) (-)

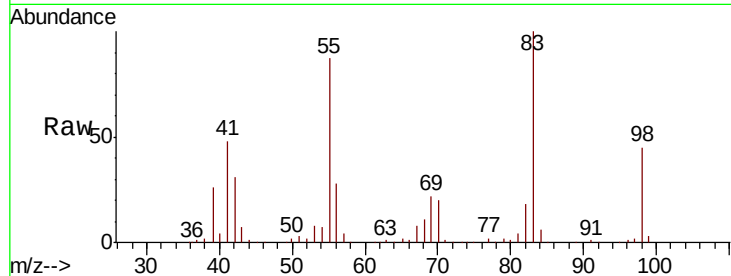




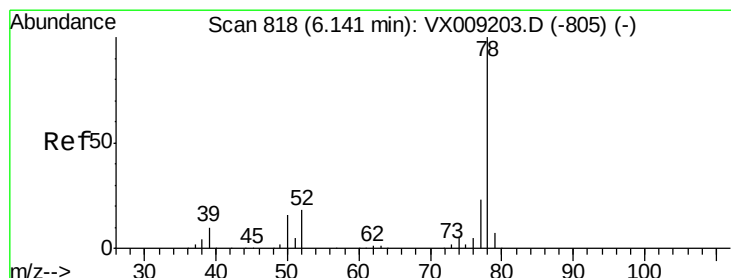
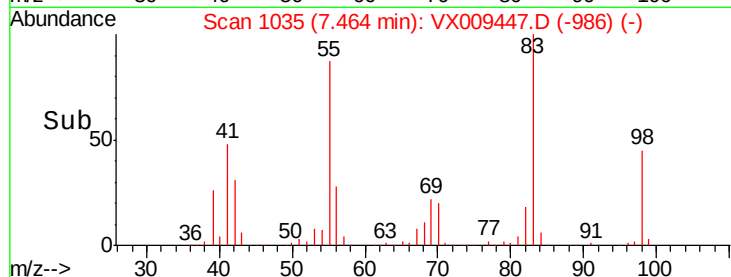
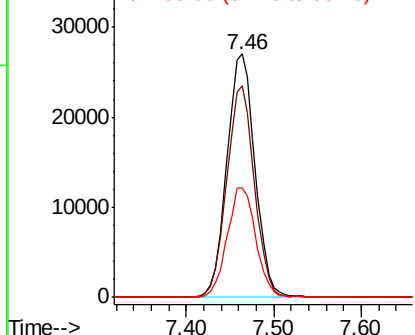
#39
Methylvlcyclohexane
Concen: 20.570 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 83 Resp: 60356
Ion Ratio Lower Upper
83 100
55 87.0 67.7 101.5
98 44.6 35.5 53.3

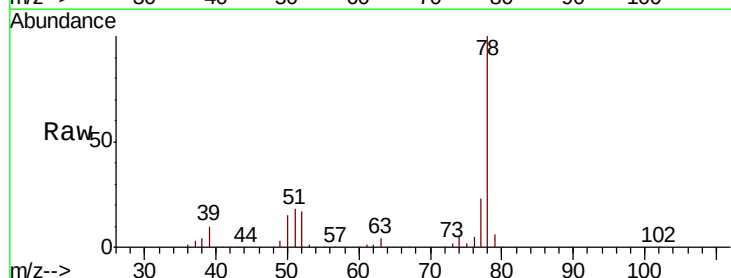


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

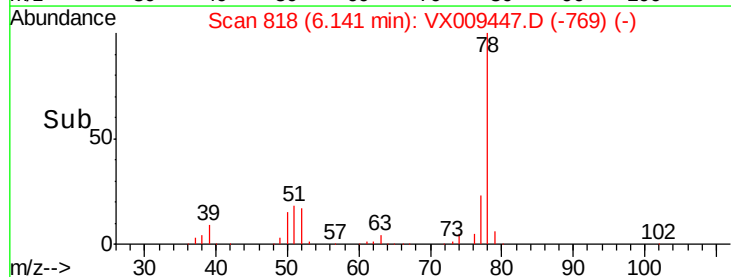
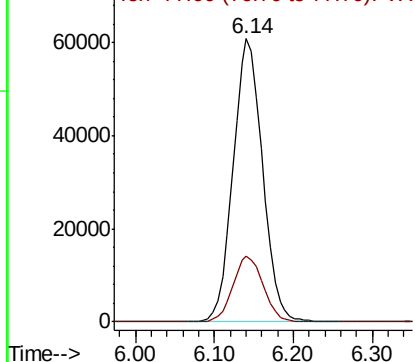


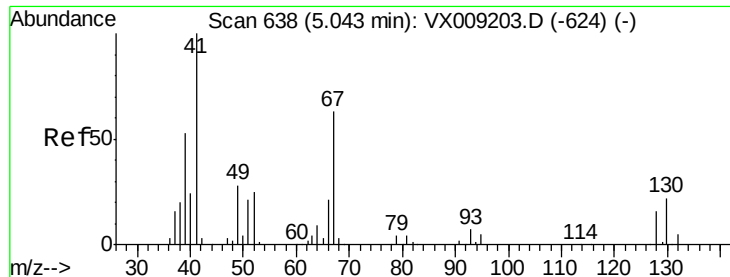
#40
Benzene
Concen: 21.368 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 78 Resp: 157997
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 19.721 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 41 Resp: 39079

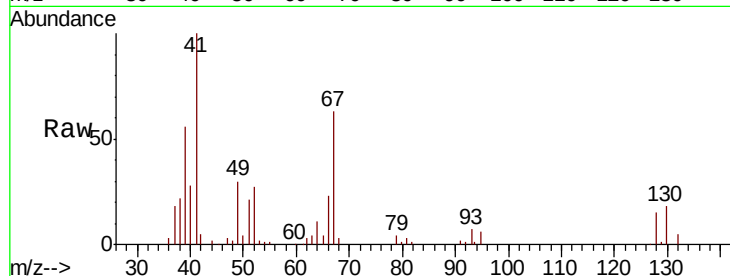
Ion Ratio Lower Upper

41 100

39 57.5 42.0 63.0

67 64.7 49.8 74.8

52 27.8 20.3 30.5

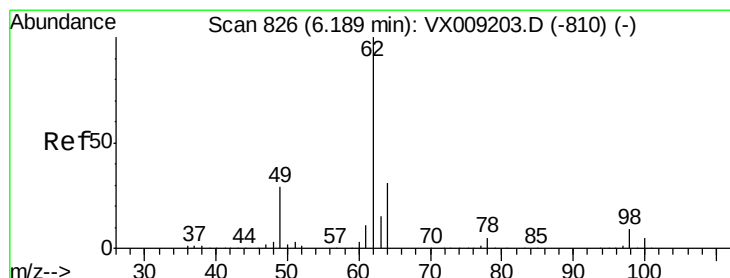
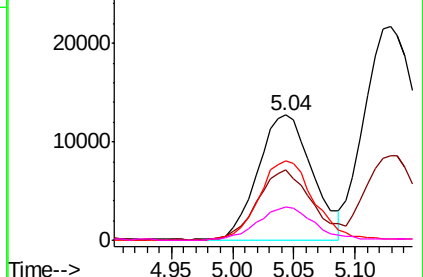
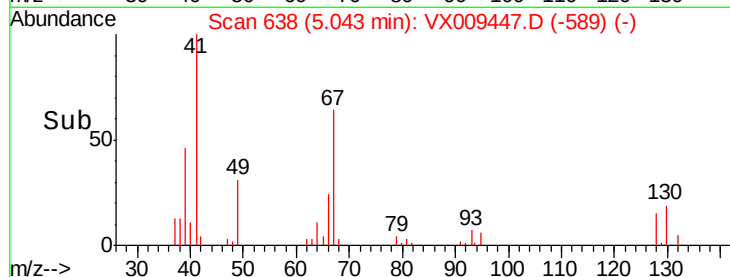


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 21.511 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX009447.D

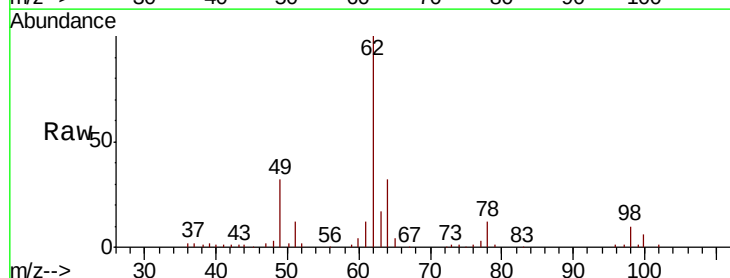
Acq: 09 May 2019 23:34

Tgt Ion: 62 Resp: 57055

Ion Ratio Lower Upper

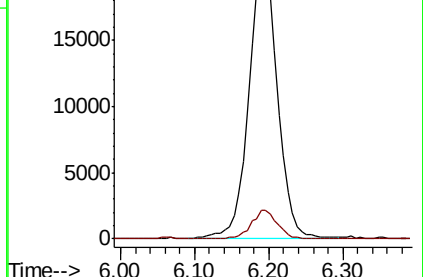
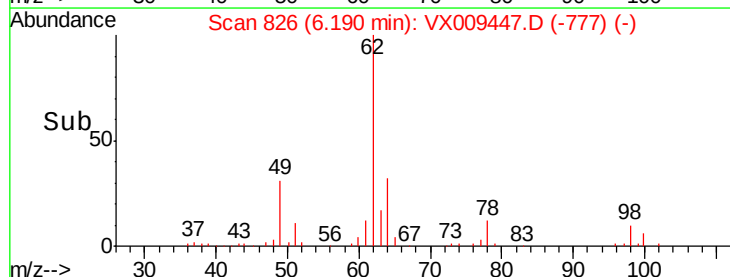
62 100

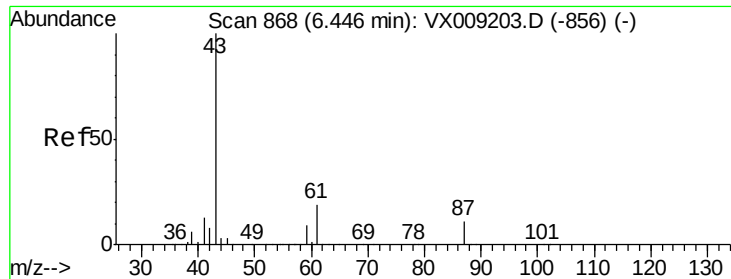
98 9.2 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.575 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

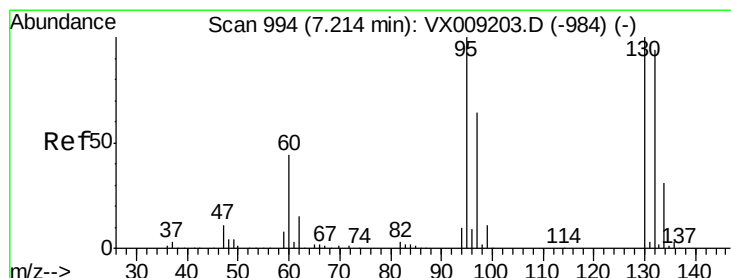
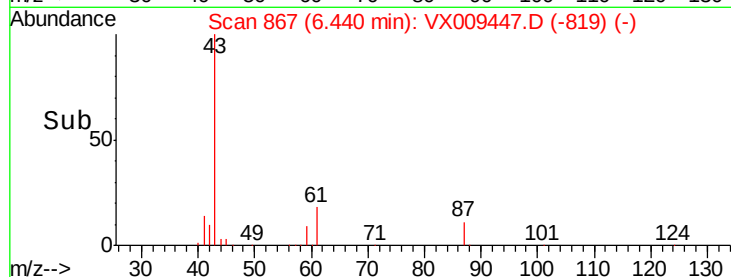
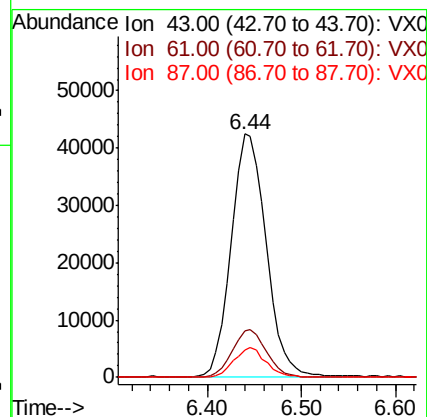
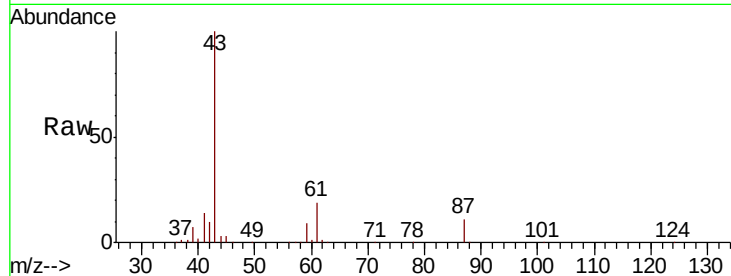
Tot Ion: 43 Resp: 109556

Ion Ratio Lower Upper

43 100

61 19.3 15.1 22.7

87 11.4 9.0 13.6



#44

Trichloroethene

Concen: 20.887 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009447.D

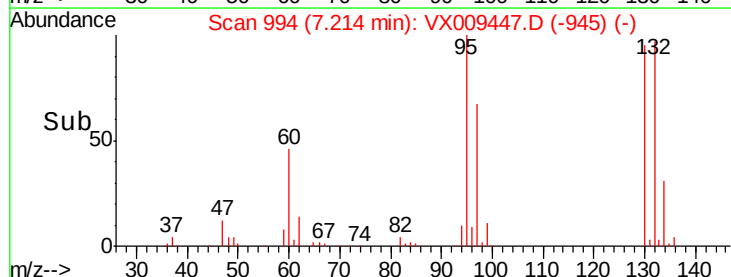
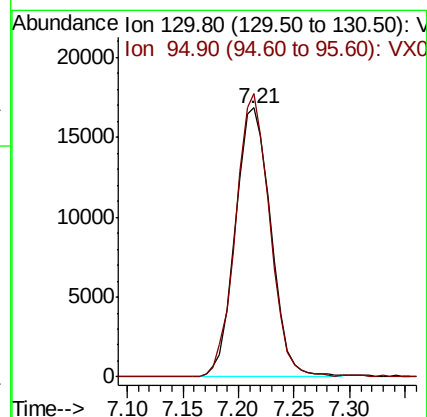
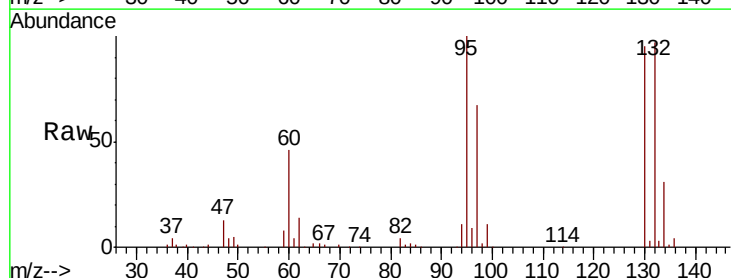
Acq: 09 May 2019 23:34

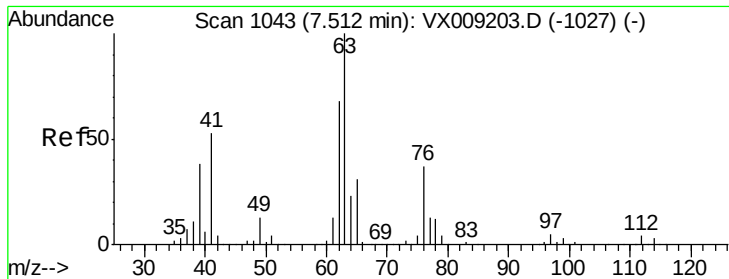
Tgt Ion:130 Resp: 37336

Ion Ratio Lower Upper

130 100

95 105.3 0.0 199.2





#45

1,2-Dichloropropane

Concen: 21.393 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

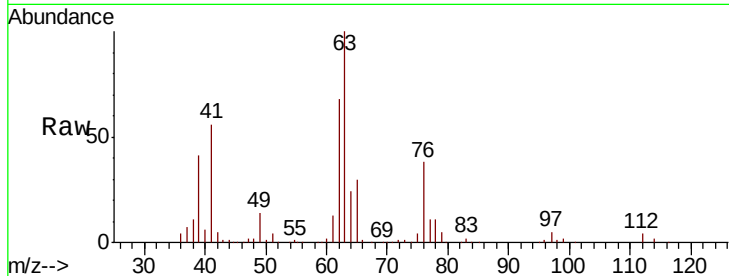
ClientSampled :

Tot Ion: 63 Resp: 44791

Ion Ratio Lower Upper

63 100

65 30.5 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

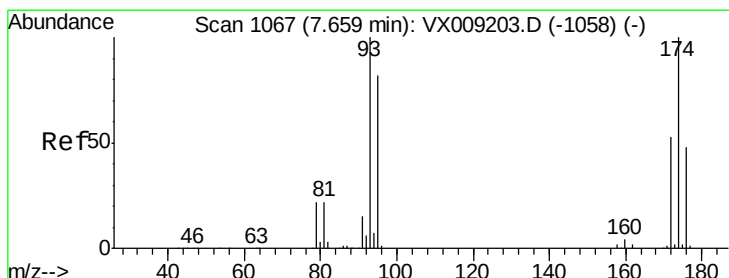
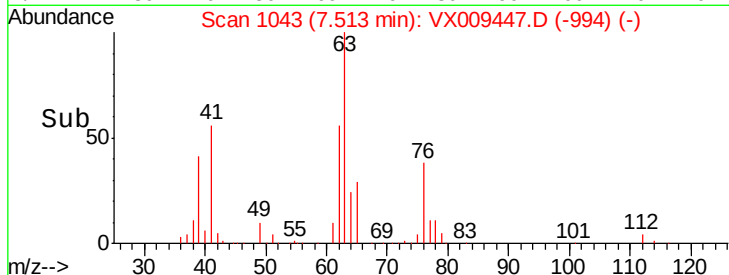
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 20.828 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

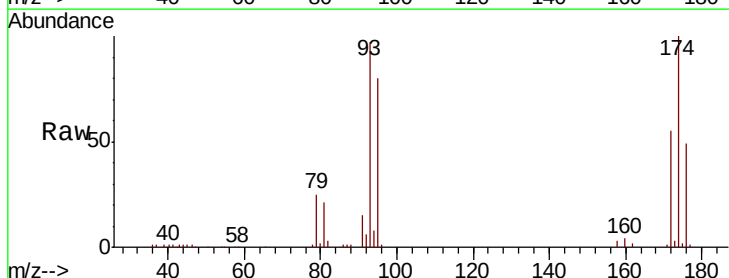
Tgt Ion: 93 Resp: 25324

Ion Ratio Lower Upper

93 100

95 84.4 66.5 99.7

174 104.7 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

15000

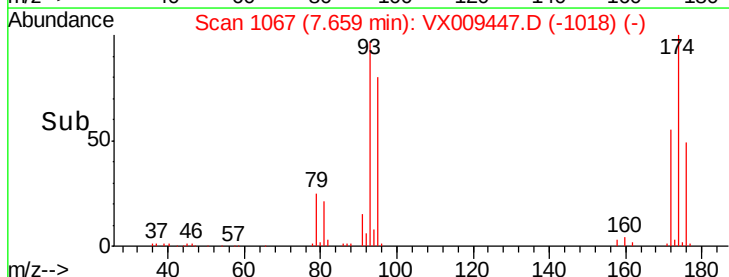
10000

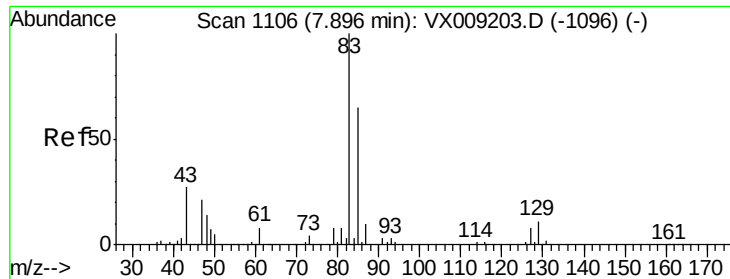
5000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 20.829 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

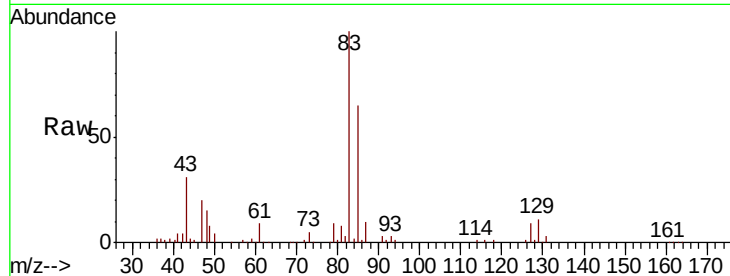
Tot Ion: 83 Resp: 50516

Ion Ratio Lower Upper

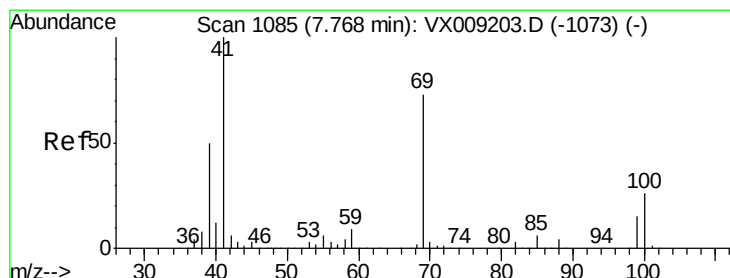
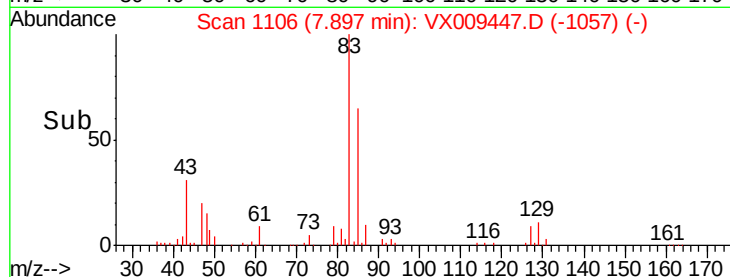
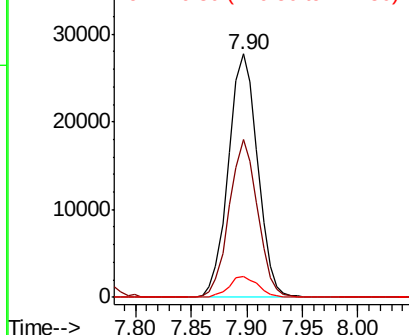
83 100

85 64.7 52.4 78.6

127 8.7 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: 21.201 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

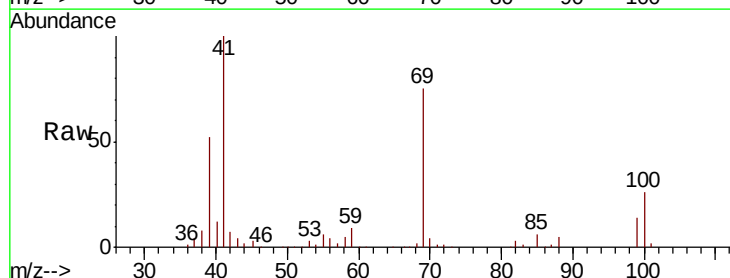
Tgt Ion: 41 Resp: 56007

Ion Ratio Lower Upper

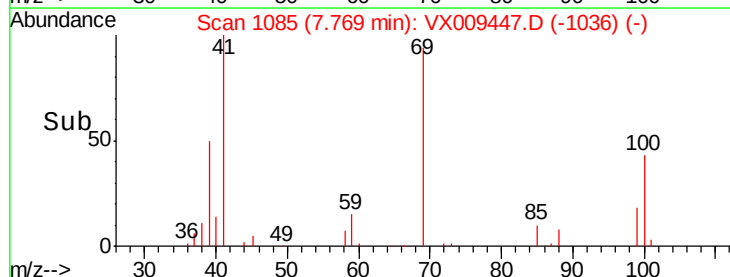
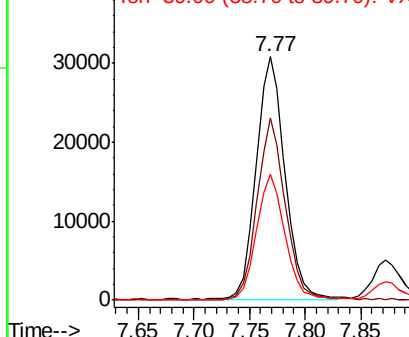
41 100

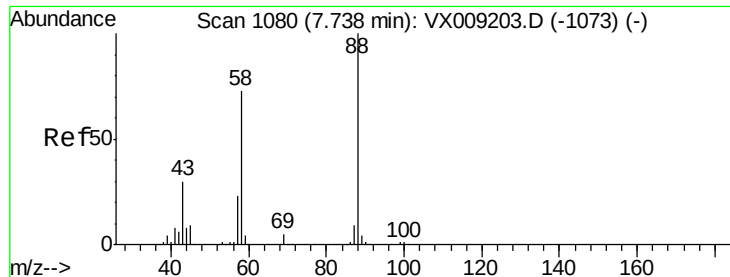
69 73.2 59.1 88.7

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

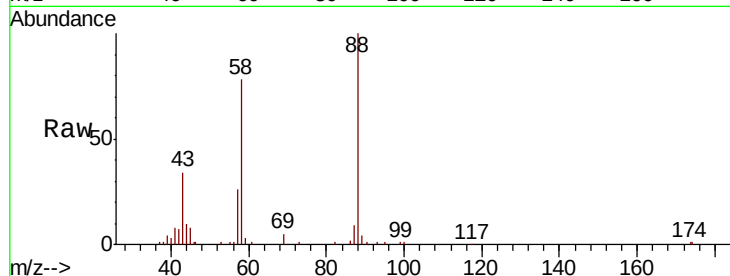




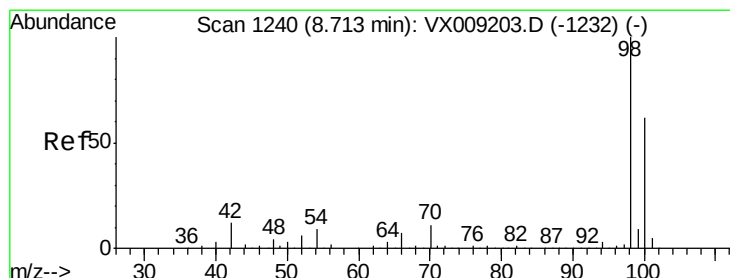
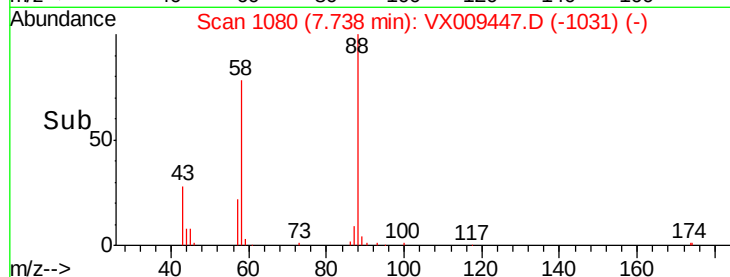
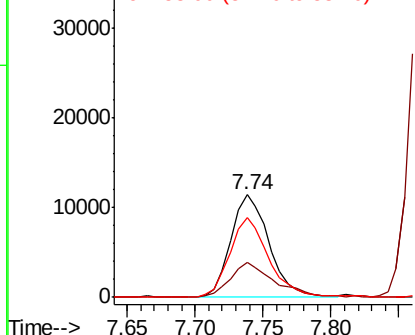
#49
1,4-Dioxane
Concen: 420.374 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 88 Resp: 22521
Ion Ratio Lower Upper
88 100
43 37.5 28.6 42.8
58 79.4 61.7 92.5

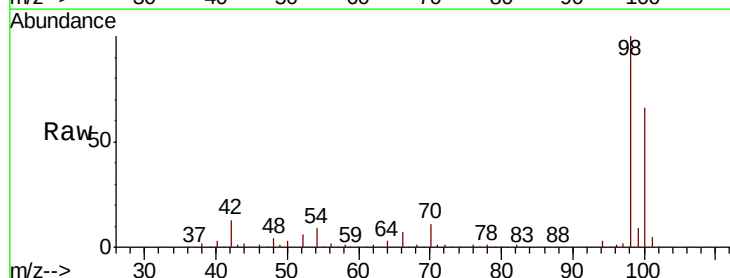


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

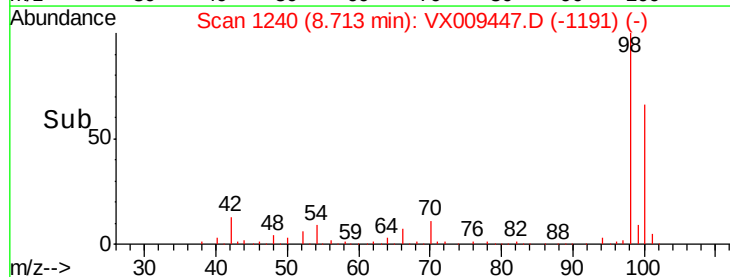
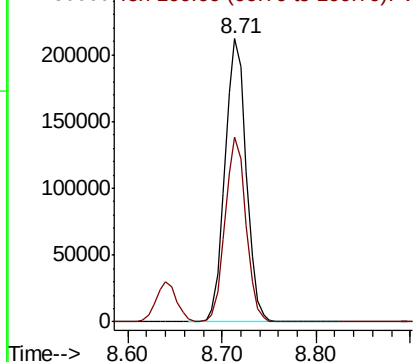


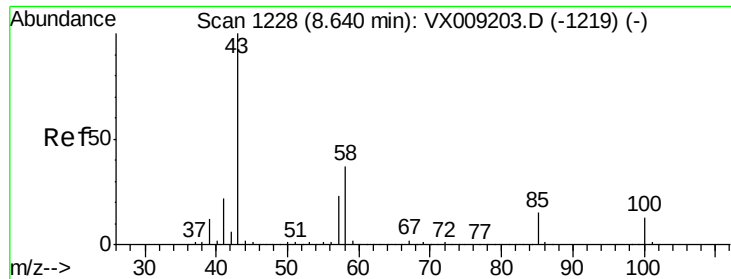
#50
Toluene-d8
Concen: 50.703 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 98 Resp: 330835
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 106.218 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

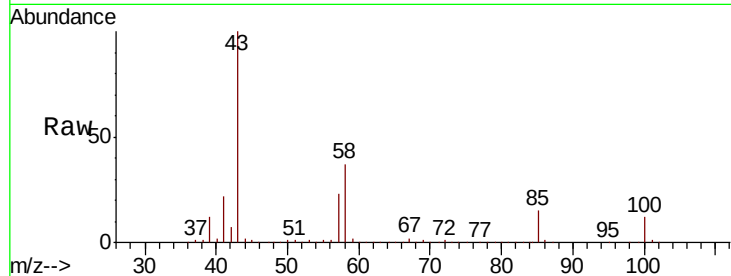
ClientSampled :

Tot Ion: 43 Resp: 369674

Ion Ratio Lower Upper

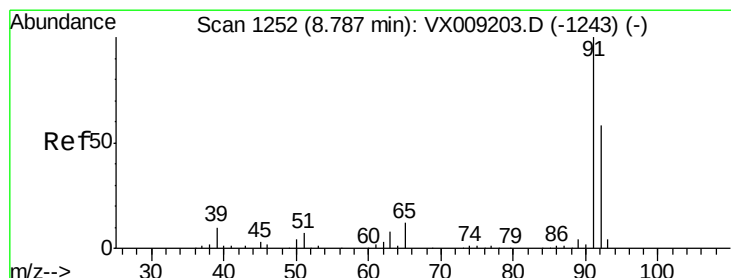
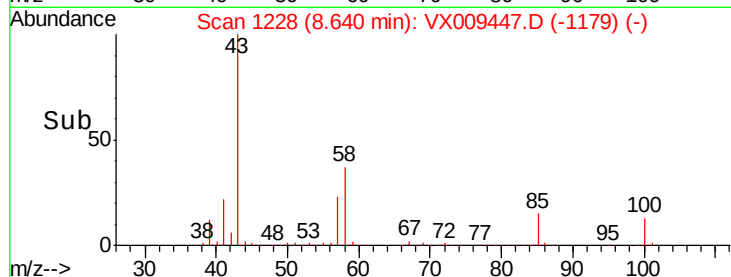
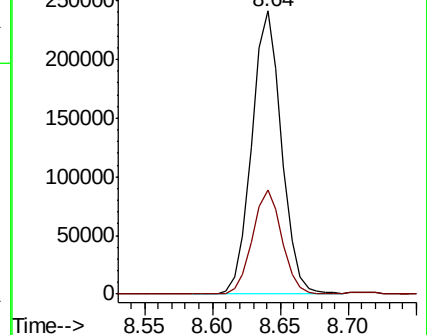
43 100

58 36.8 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: 21.397 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009447.D

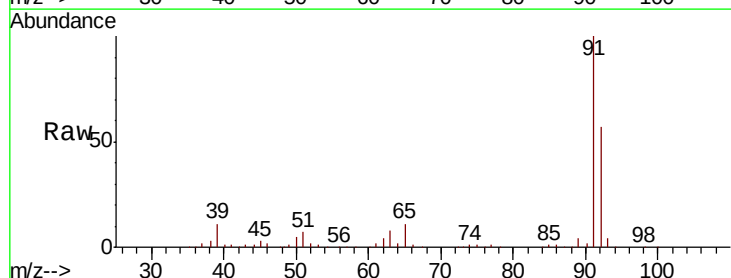
Acq: 09 May 2019 23:34

Tgt Ion: 92 Resp: 96172

Ion Ratio Lower Upper

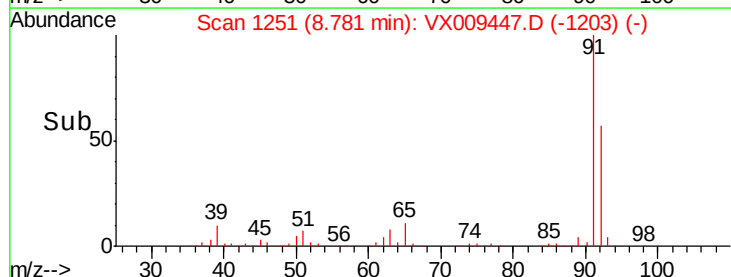
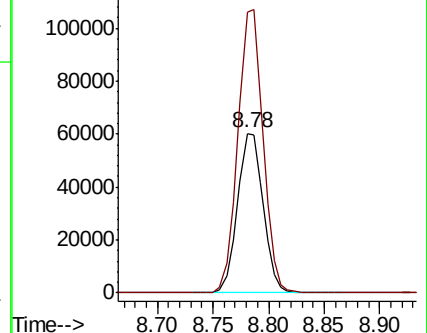
92 100

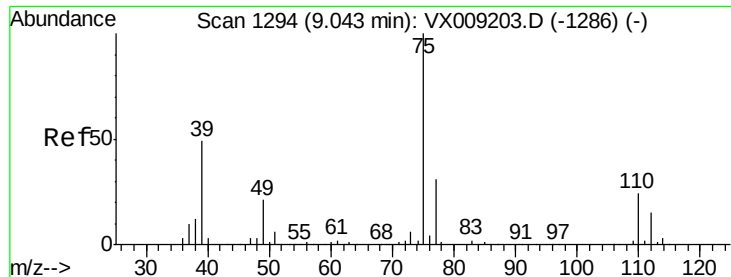
91 174.9 138.8 208.2



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

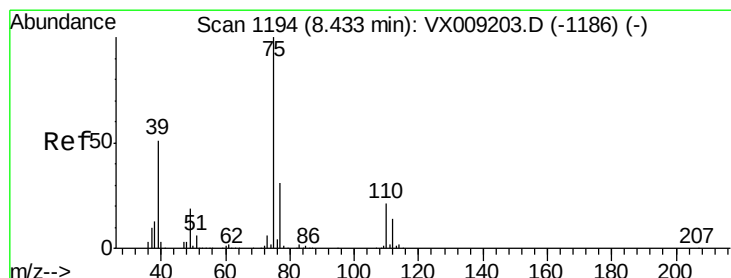
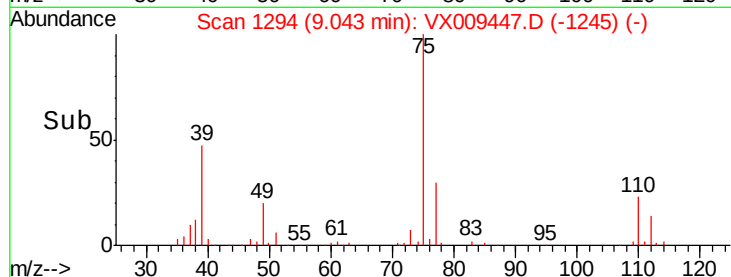
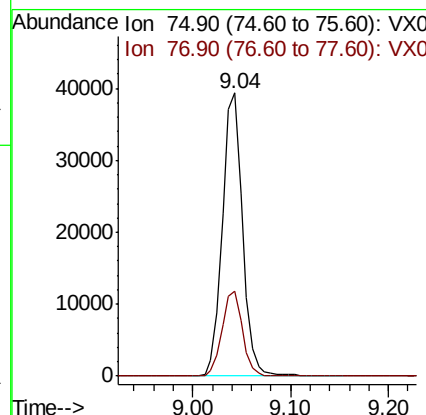
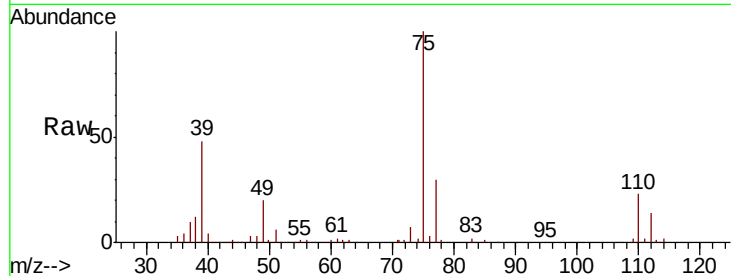




#53
t-1,3-Dichloropropene
Concen: 20.617 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

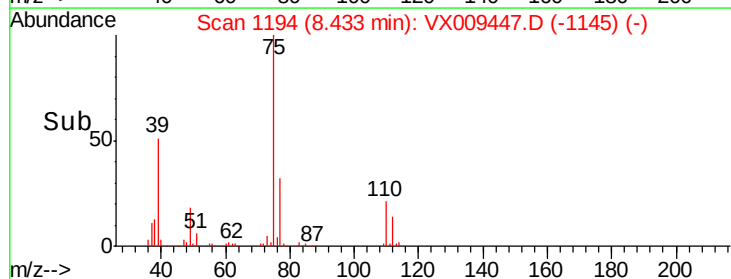
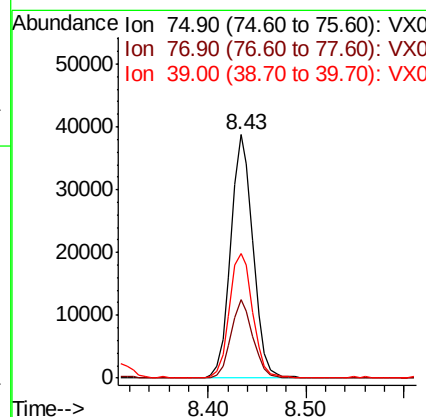
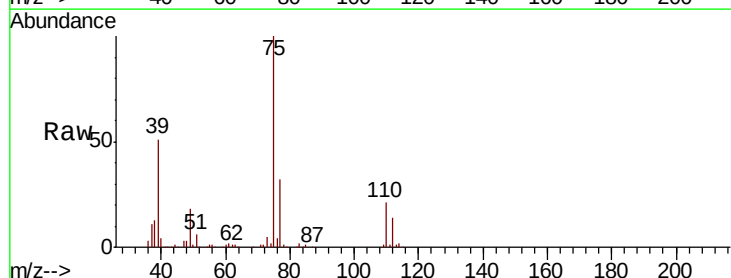
Instrument :
MSVOA_X
ClientSampleId :

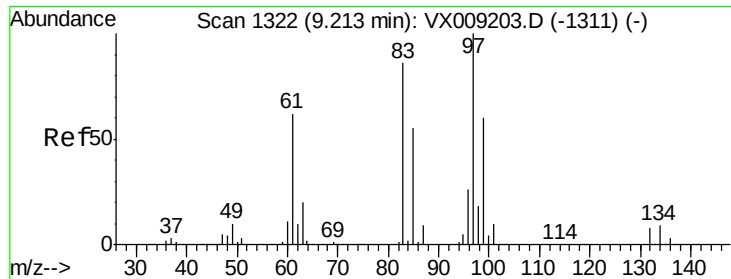
Tot Ion: 75 Resp: 56454
Ion Ratio Lower Upper
75 100
77 30.0 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 20.215 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 75 Resp: 61267
Ion Ratio Lower Upper
75 100
77 32.4 24.6 36.8
39 51.2 40.6 60.8

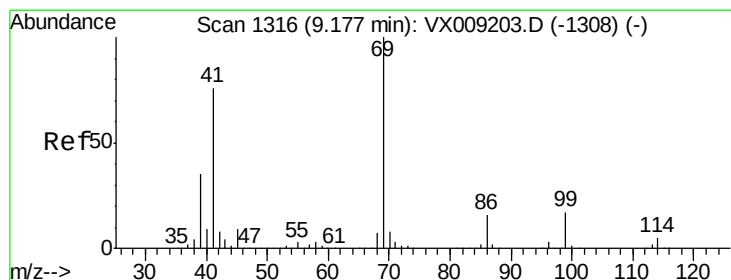
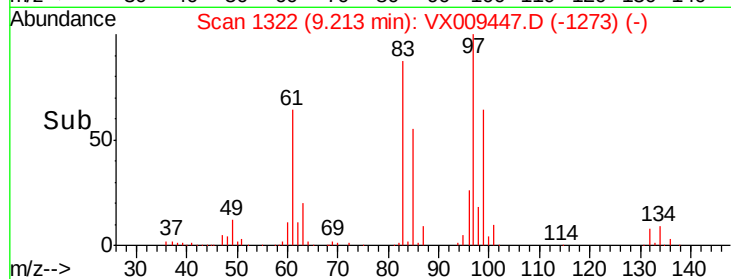
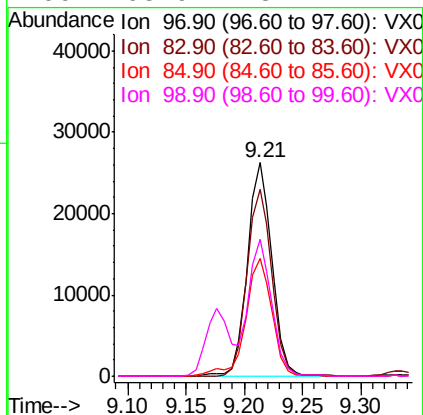
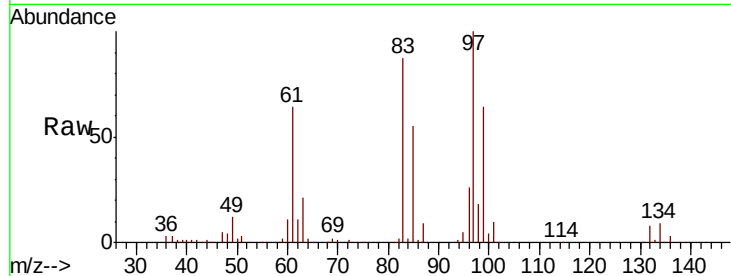




#55
 1,1,2-Trichloroethane
 Concen: 21.084 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

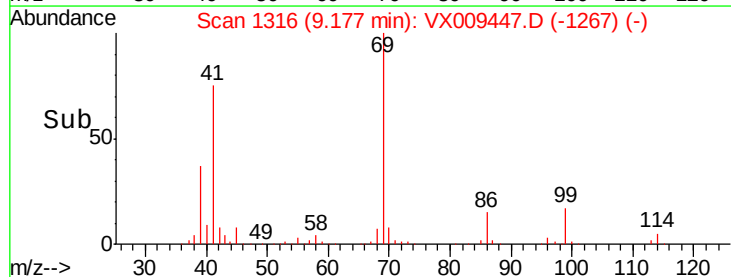
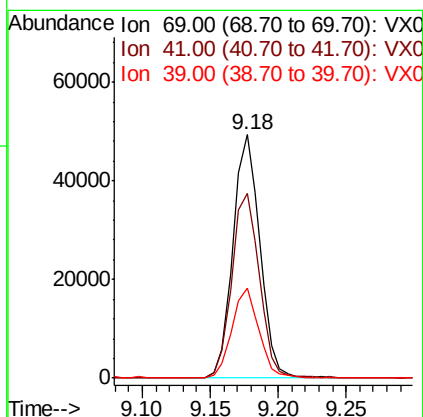
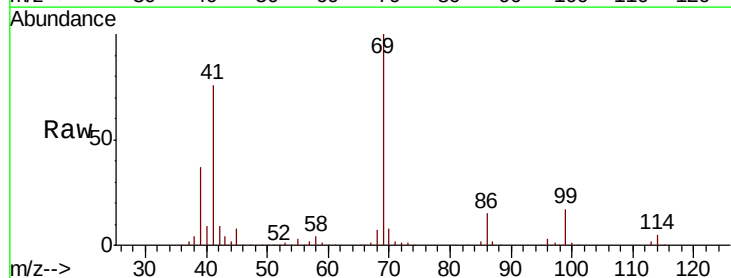
Instrument :
 MSVOA_X
 ClientSampleId :

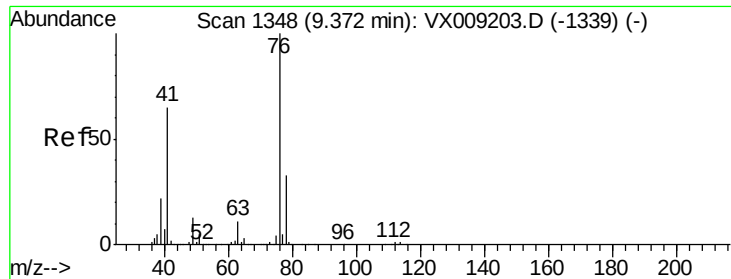
Tot Ion:	97	Resp:	38662
Ion	Ratio	Lower	Upper
97	100		
83	87.5	68.9	103.3
85	55.2	43.8	65.6
99	63.9	48.2	72.2



#56
 Ethyl methacrylate
 Concen: 20.831 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion:	69	Resp:	68186
Ion	Ratio	Lower	Upper
69	100		
41	77.3	60.6	90.8
39	36.9	28.2	42.4

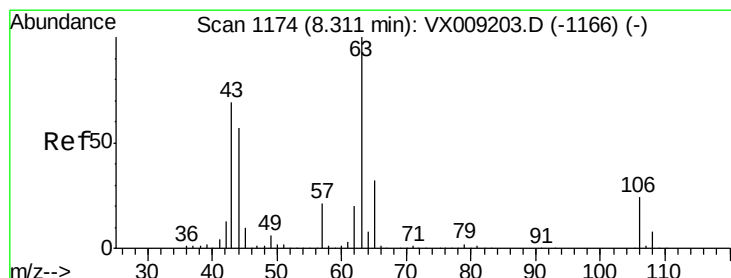
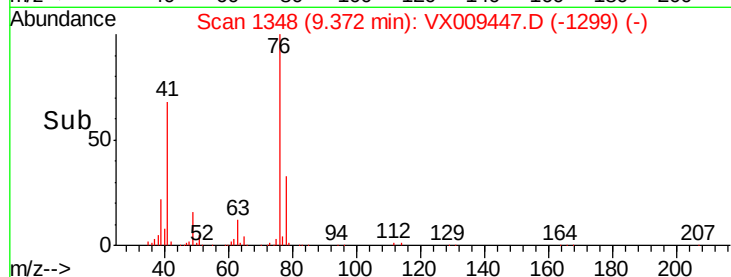
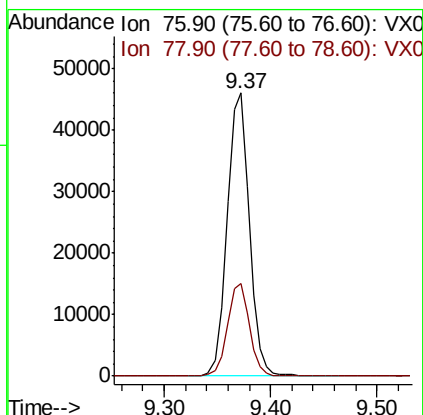
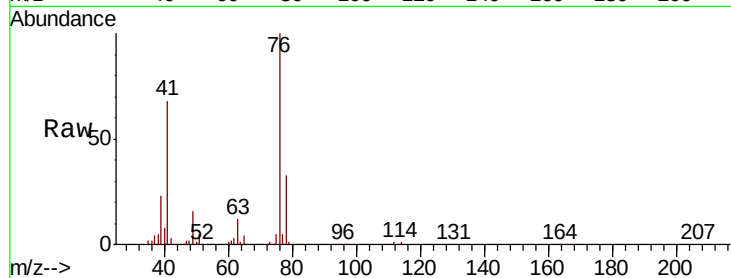




#57
 1,3-Dichloropropane
 Concen: 20.863 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

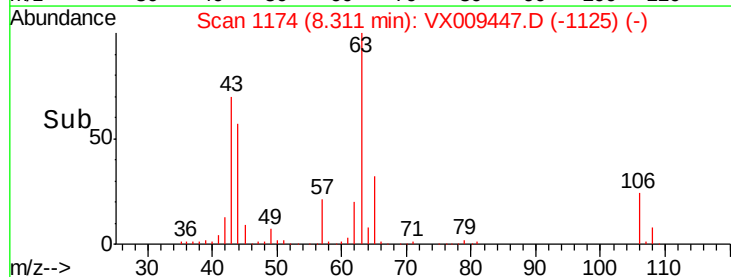
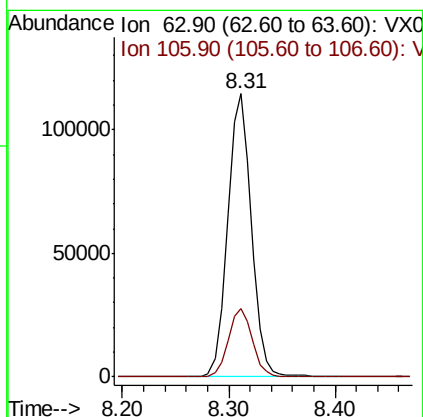
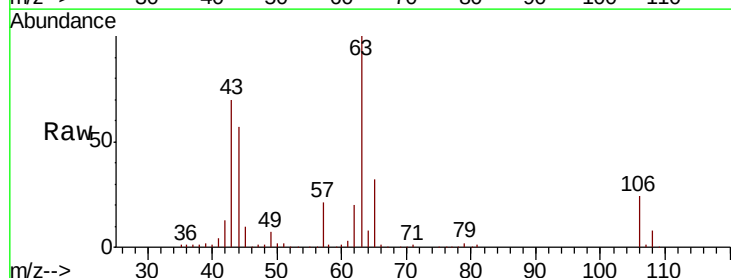
Instrument :
 MSVOA_X
 ClientSampled :

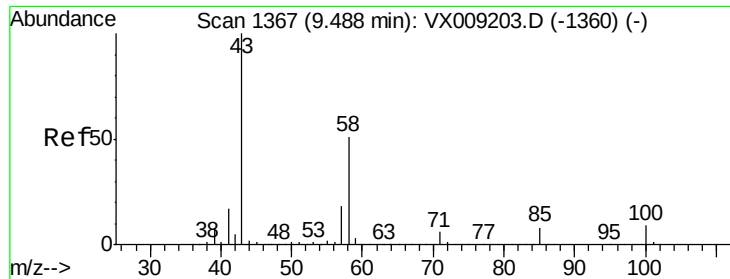
Tot Ion: 76 Resp: 67324
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.976 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion: 63 Resp: 178815
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5

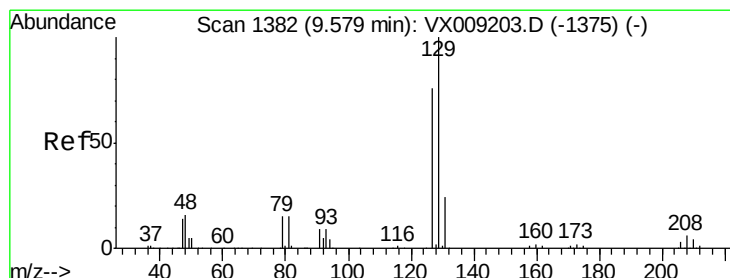
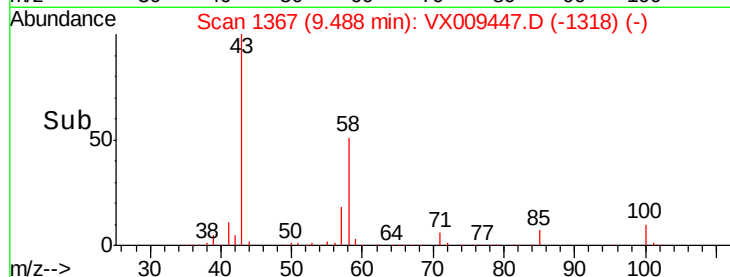
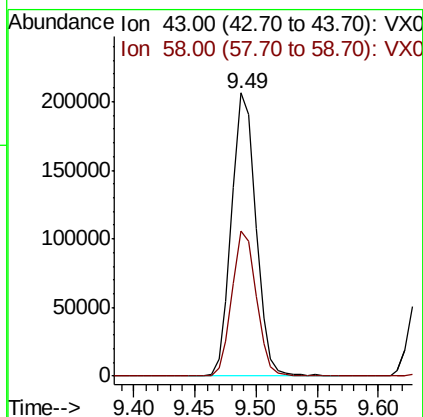
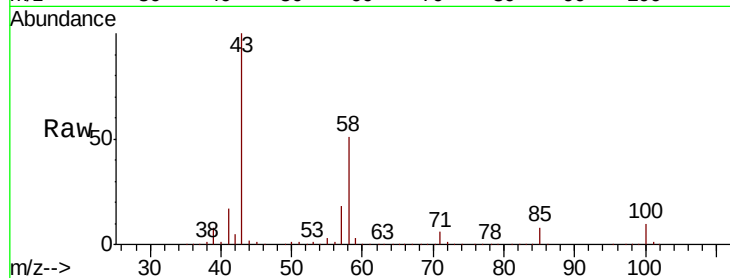




#59
2-Hexanone
Concen: 103.659 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

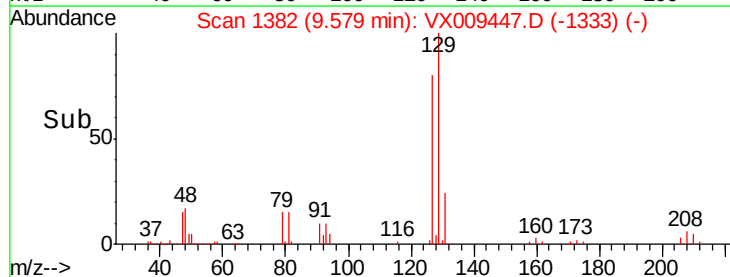
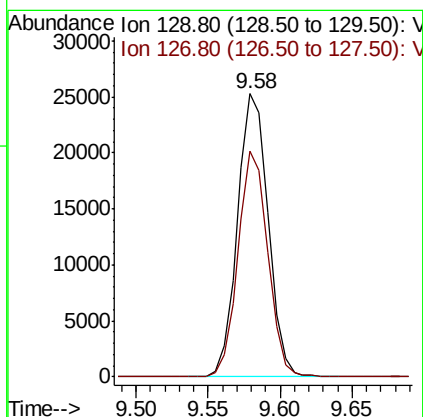
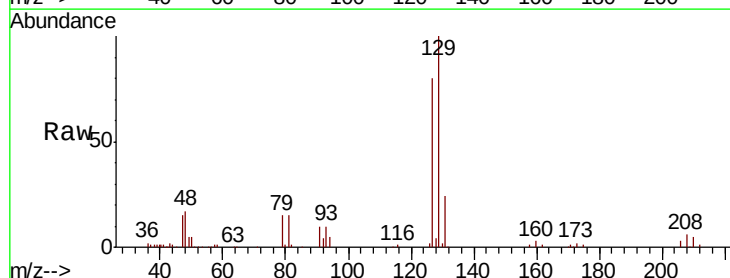
Instrument :
MSVOA_X
ClientSampleId :

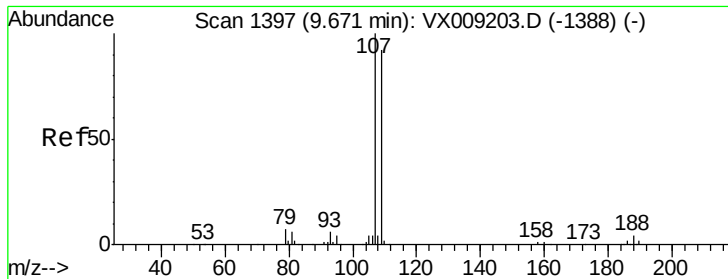
Tot Ion: 43 Resp: 283343
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.7



#60
Dibromochloromethane
Concen: 20.834 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion:129 Resp: 37313
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.186 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

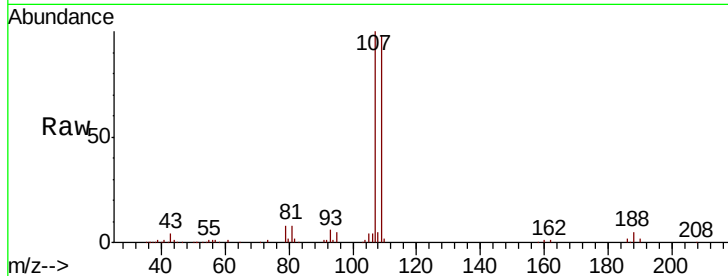
ClientSampleId :

Tot Ion:107 Resp: 39216

Ion Ratio Lower Upper

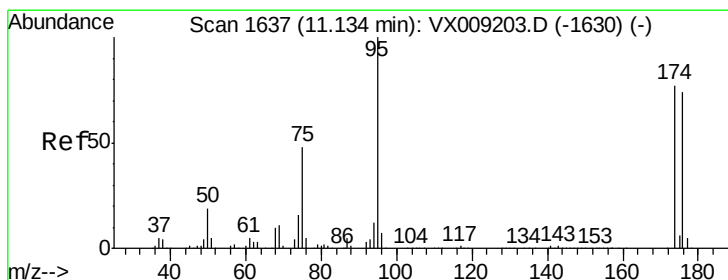
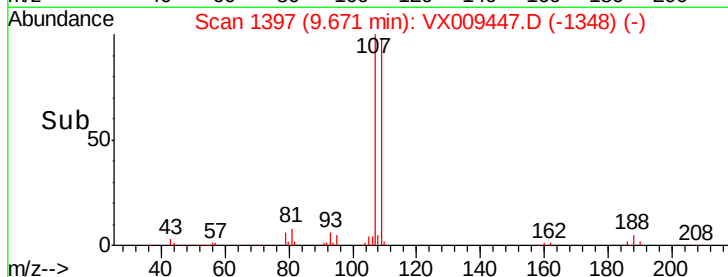
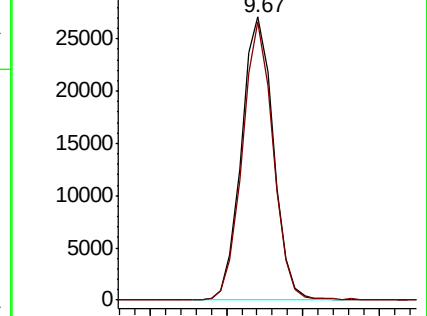
107 100

109 94.6 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.242 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

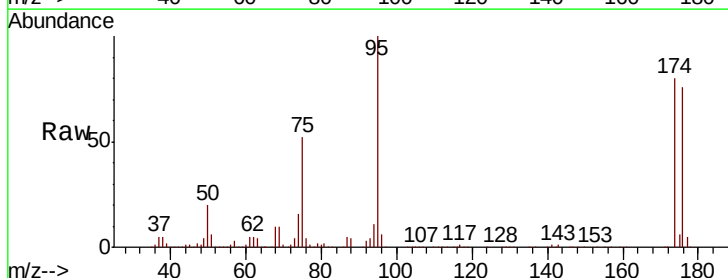
Tgt Ion: 95 Resp: 119121

Ion Ratio Lower Upper

95 100

174 82.1 0.0 161.6

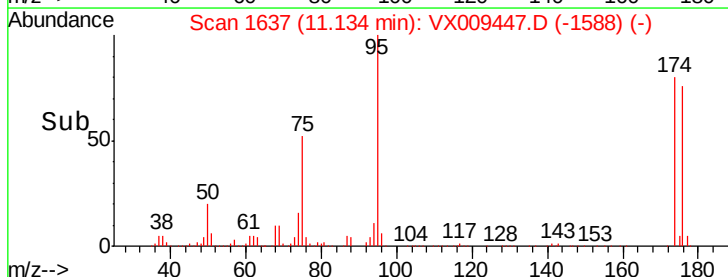
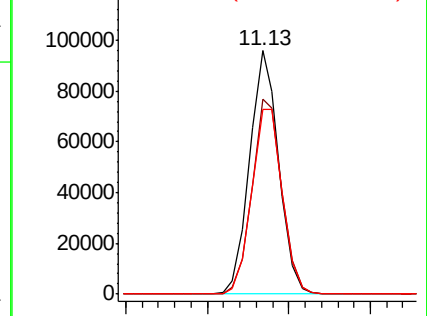
176 80.3 0.0 159.2

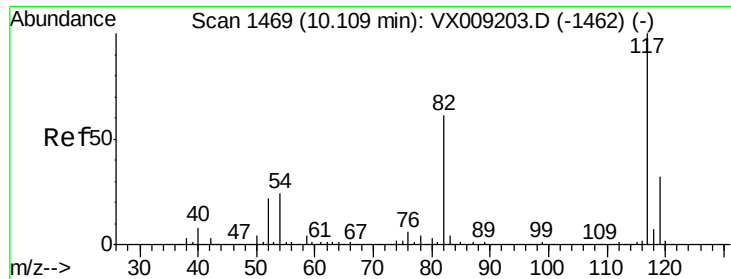


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

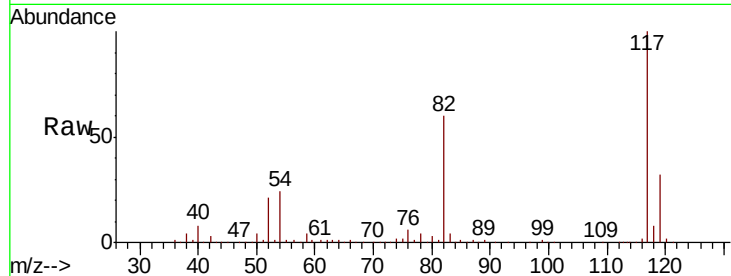




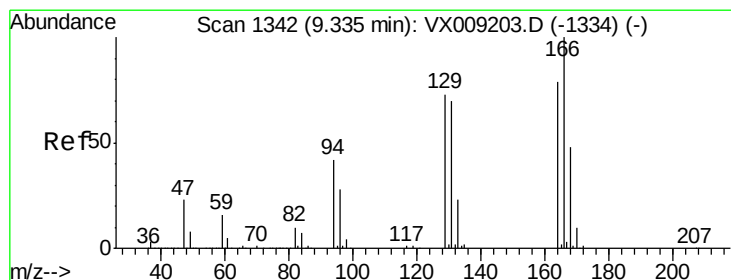
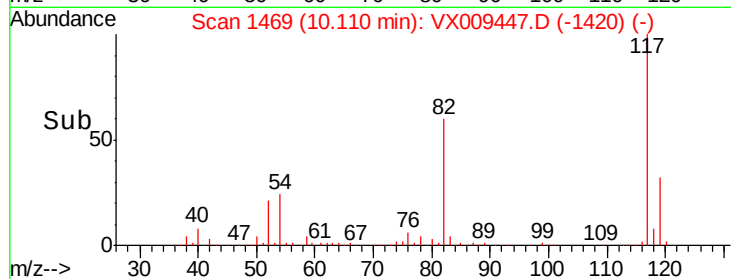
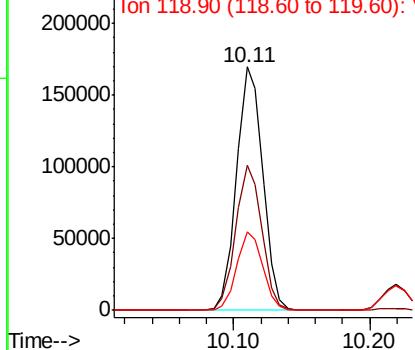
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 228282
Ion Ratio Lower Upper
117 100
82 59.7 48.8 73.2
119 32.5 25.8 38.6

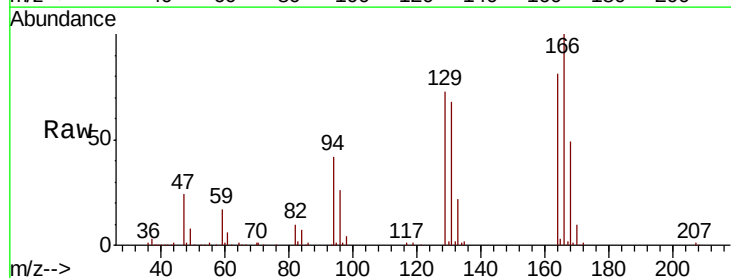


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

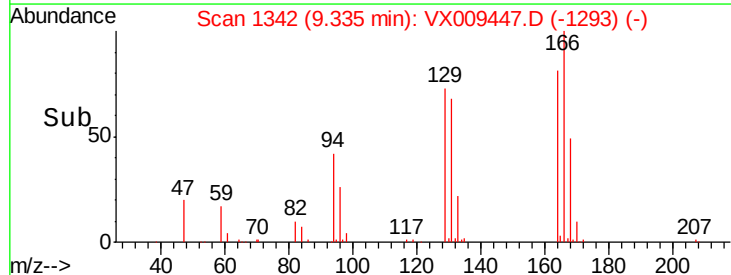
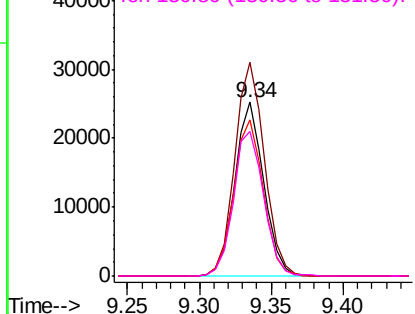


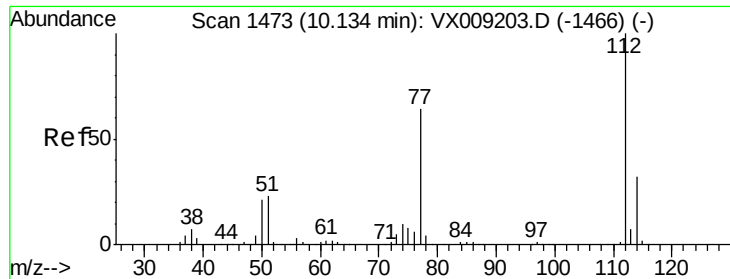
#64
Tetrachloroethene
Concen: 22.591 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion:164 Resp: 35375
Ion Ratio Lower Upper
164 100
166 123.0 101.2 151.8
129 89.7 74.3 111.5
131 83.4 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

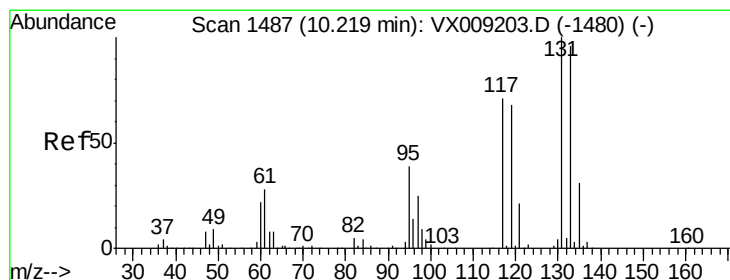
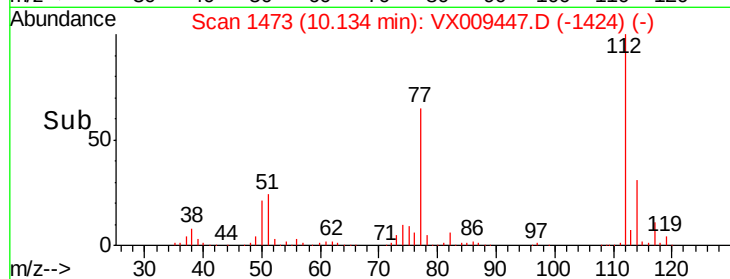
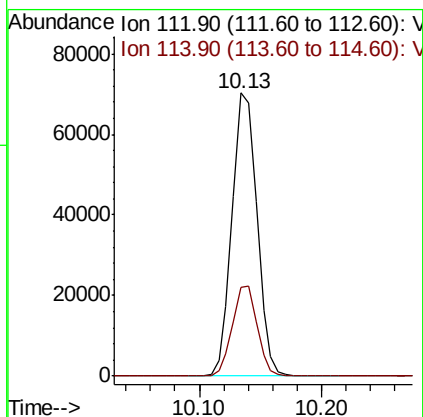
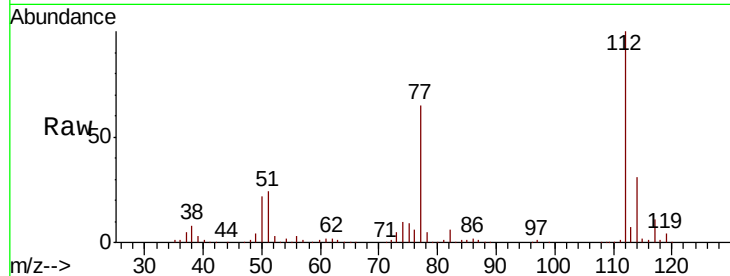




#65
Chlorobenzene
Concen: 21.718 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

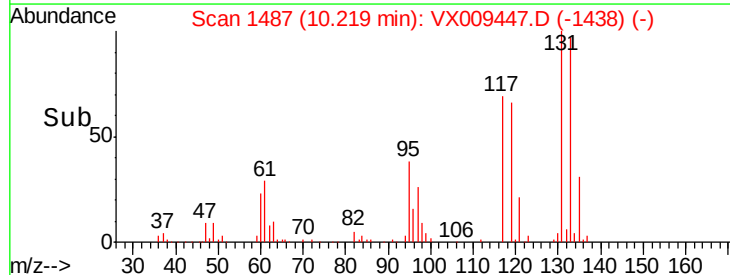
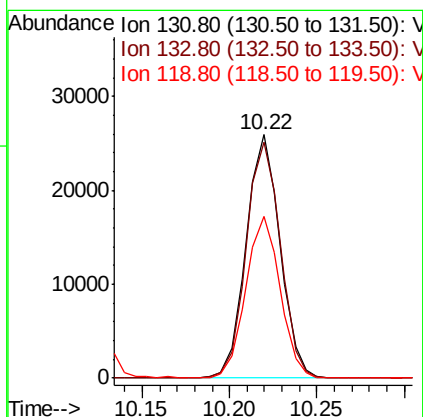
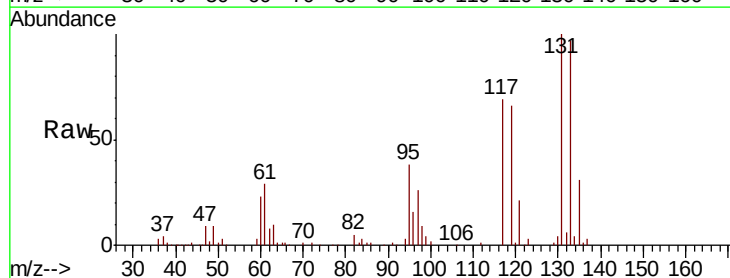
Instrument :
MSVOA_X
ClientSampleId :

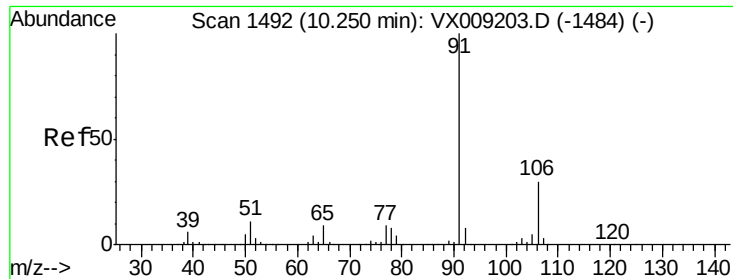
Tot Ion:112 Resp: 99180
Ion Ratio Lower Upper
112 100
114 31.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.077 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion:131 Resp: 34895
Ion Ratio Lower Upper
131 100
133 98.3 47.7 143.1
119 67.4 33.5 100.4

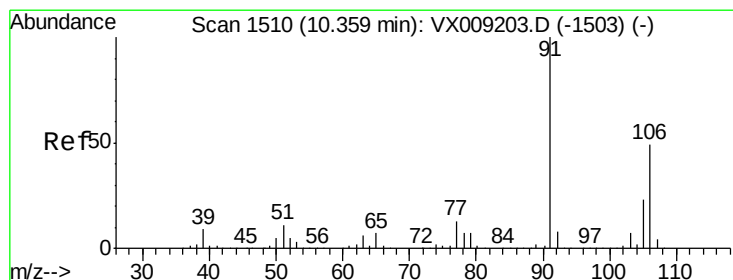
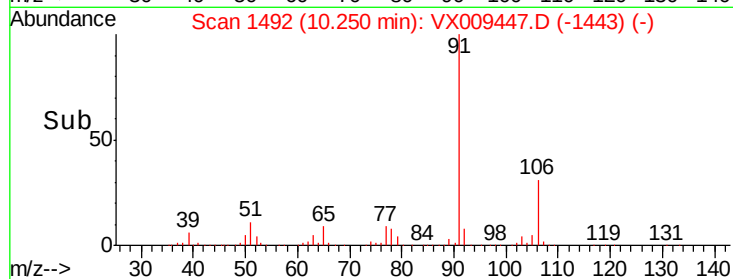
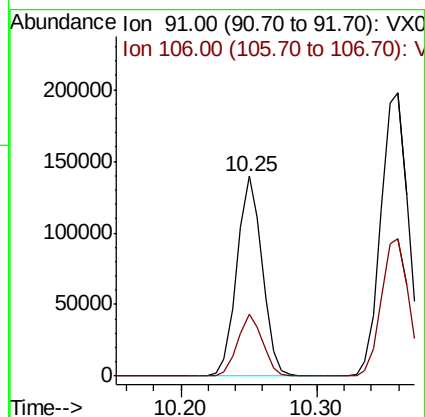
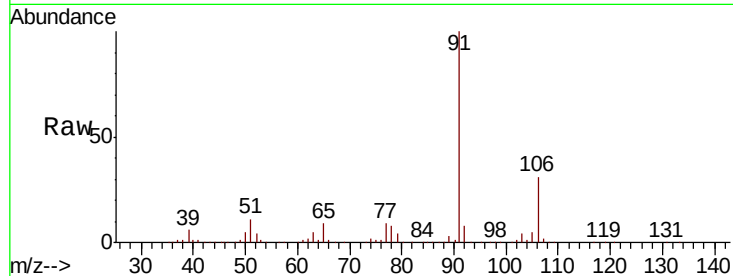




#67
Ethyl Benzene
Concen: 21.520 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

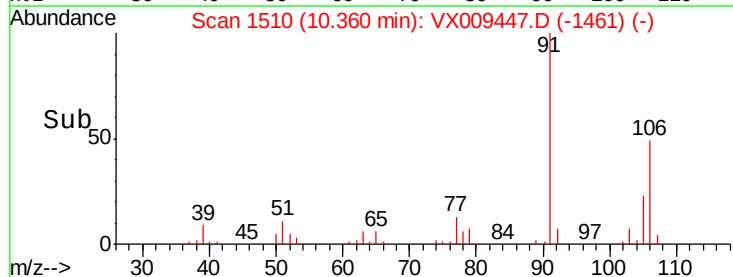
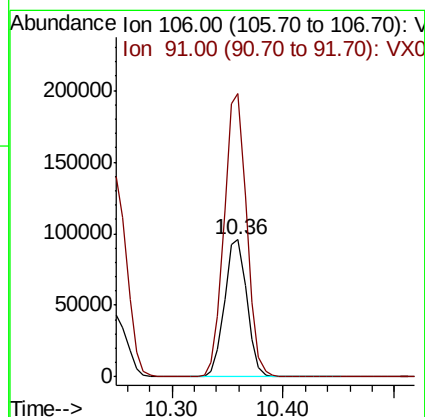
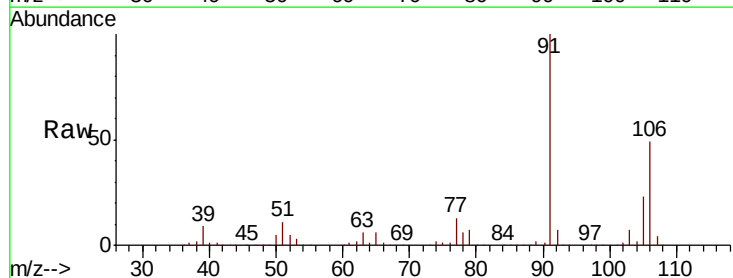
Instrument :
MSVOA_X
ClientSampled :

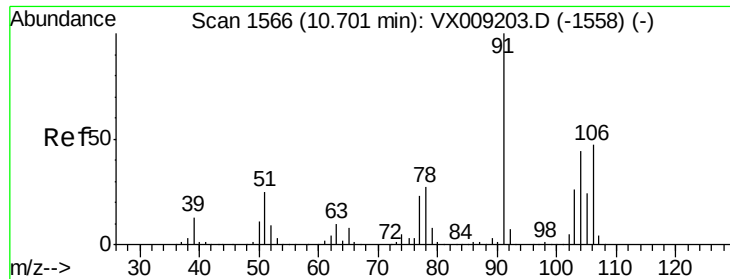
Tot Ion: 91 Resp: 180867
Ion Ratio Lower Upper
91 100
106 31.3 24.0 36.0



#68
m/p-Xylenes
Concen: 43.680 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 106 Resp: 134151
Ion Ratio Lower Upper
106 100
91 207.3 164.0 246.0

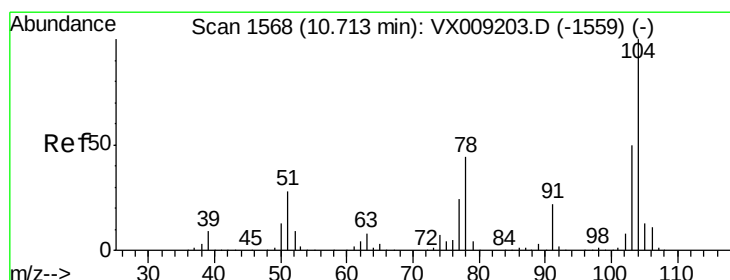
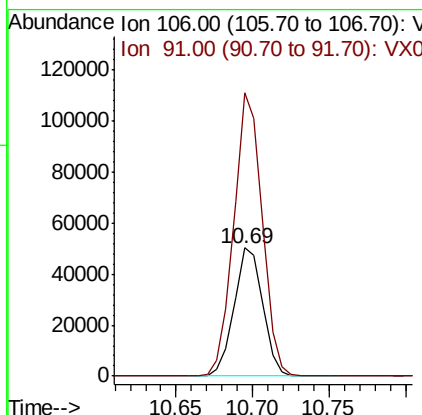
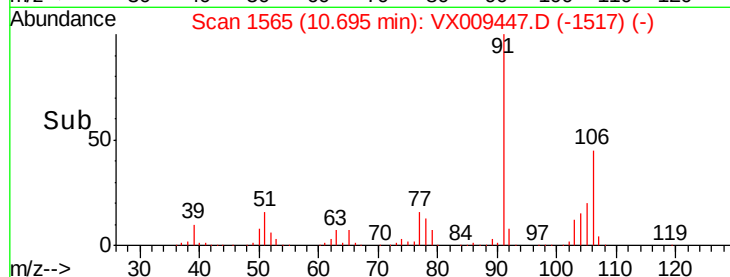
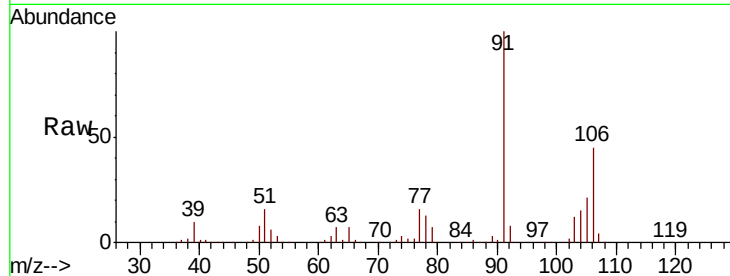




#69
o-Xylene
Concen: 21.573 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

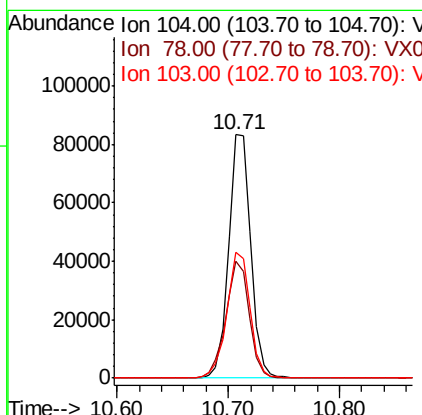
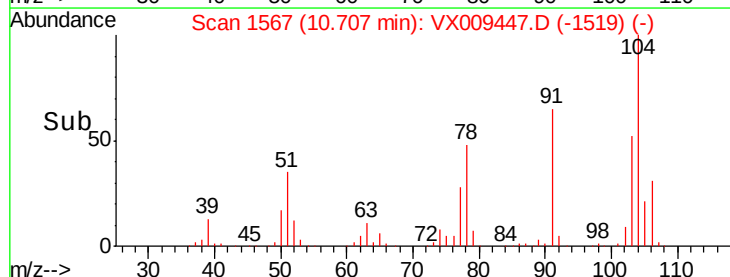
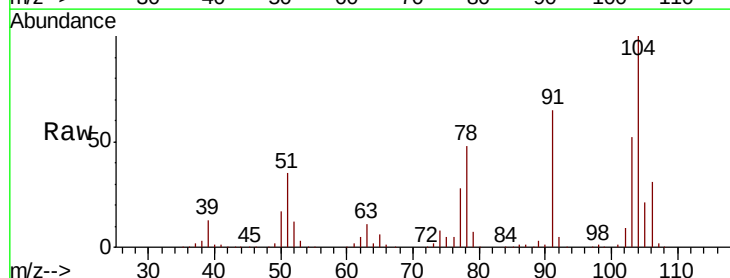
Instrument :
MSVOA_X
ClientSampled :

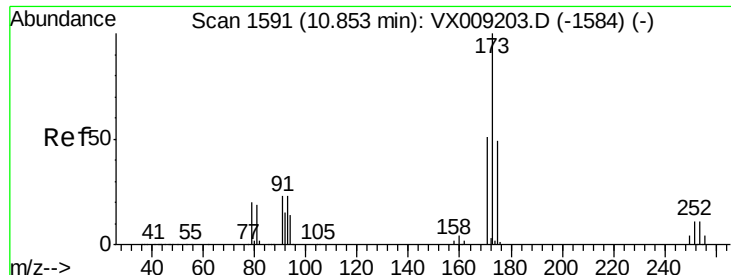
Tot Ion:106 Resp: 65370
Ion Ratio Lower Upper
106 100
91 219.2 109.5 328.4



#70
Styrene
Concen: 21.659 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion:104 Resp: 114074
Ion Ratio Lower Upper
104 100
78 51.2 41.0 61.4
103 54.4 43.8 65.6





#71

Bromoform

Concen: 20.294 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampled :

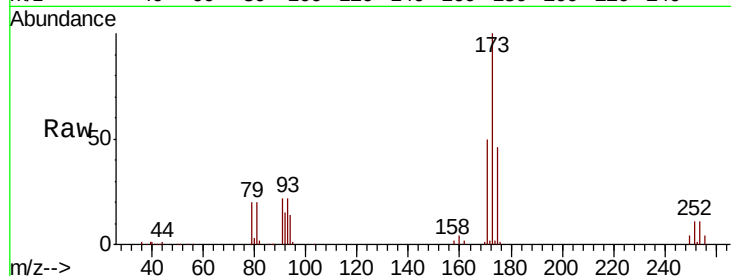
Tot Ion:173 Resp: 27304

Ion Ratio Lower Upper

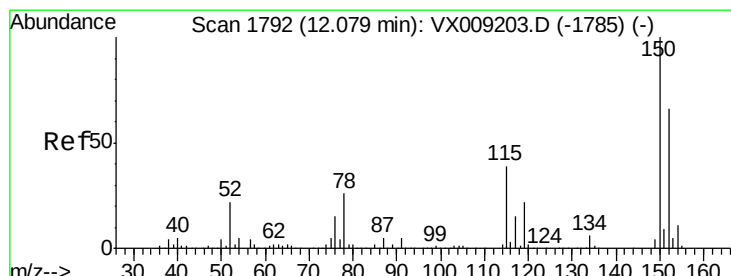
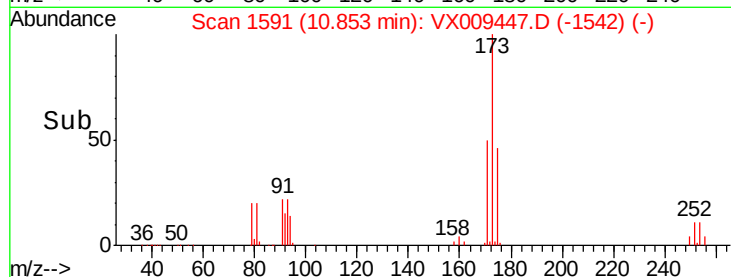
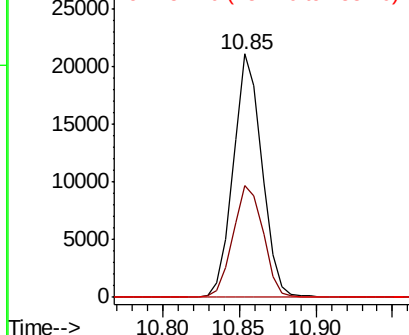
173 100

175 48.6 24.5 73.5

254 0.0 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: VX009447.D

Acq: 09 May 2019 23:34

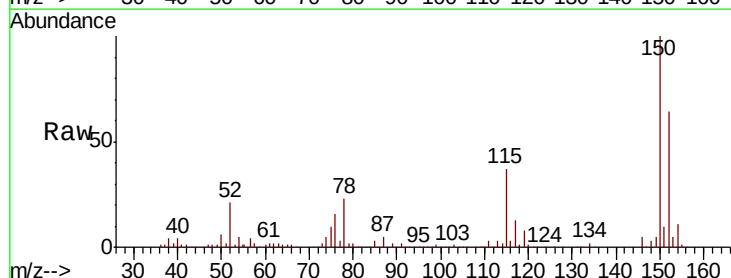
Tgt Ion:152 Resp: 112228

Ion Ratio Lower Upper

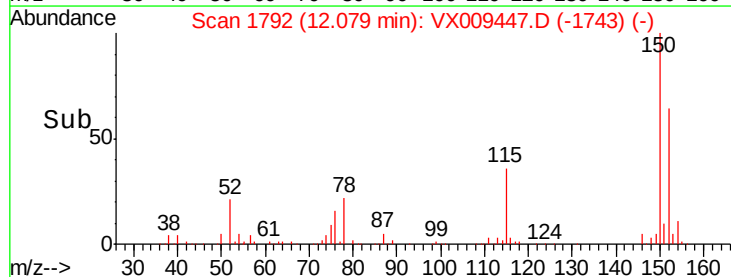
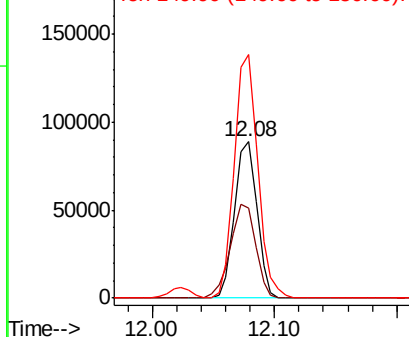
152 100

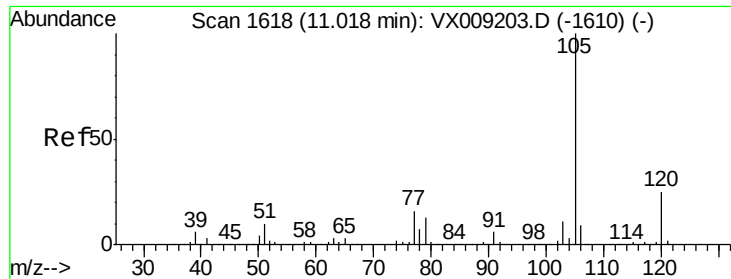
115 67.5 41.2 123.6

150 162.8 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: 21.244 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

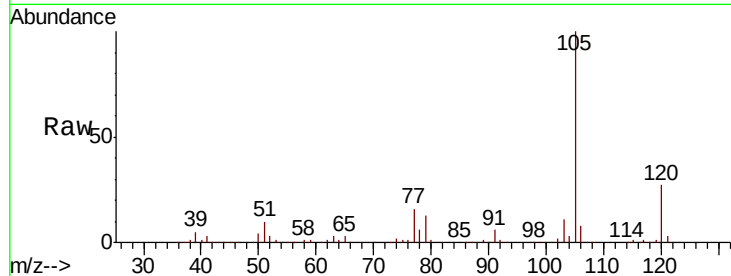
ClientSampleId :

Tot Ion:105 Resp: 173370

Ion Ratio Lower Upper

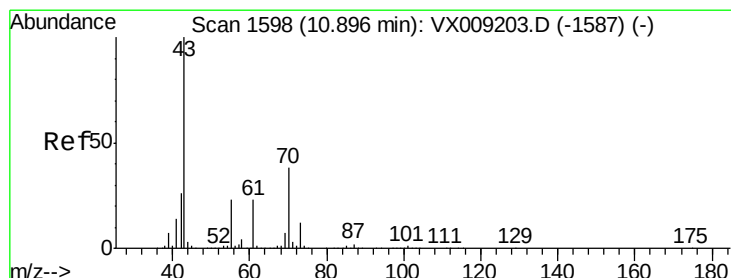
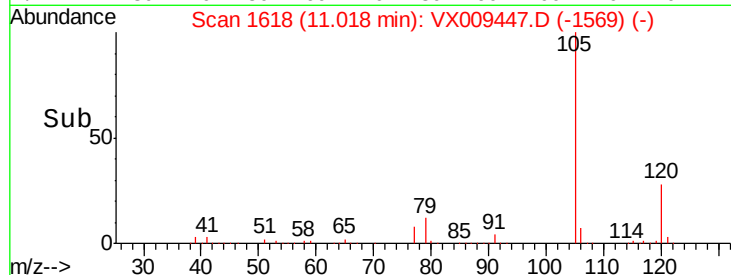
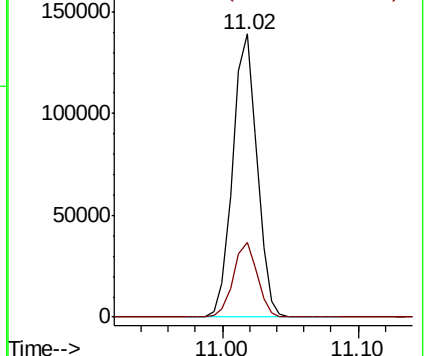
105 100

120 26.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.328 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Tgt Ion: 43 Resp: 96720

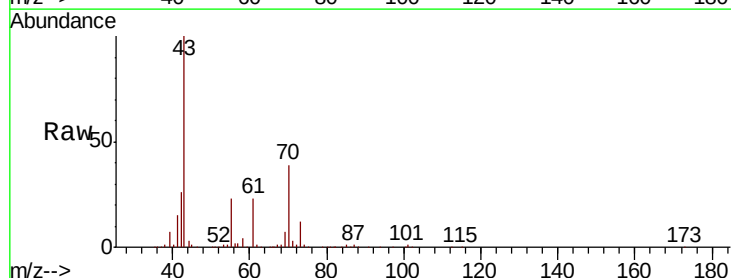
Ion Ratio Lower Upper

43 100

70 38.1 30.0 45.0

55 23.5 17.9 26.9

61 23.2 18.4 27.6

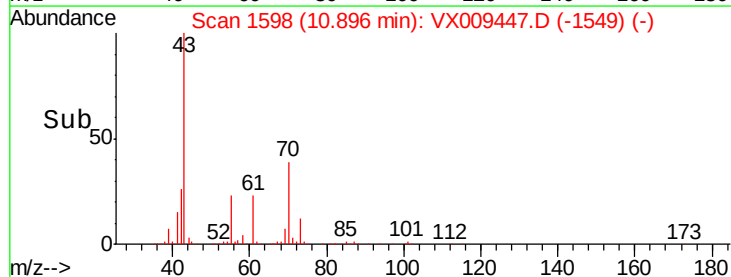
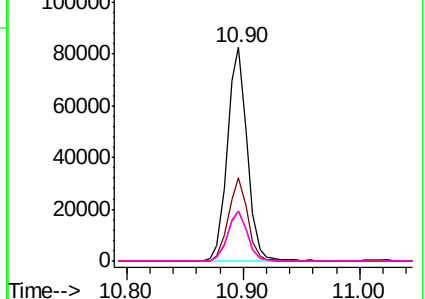


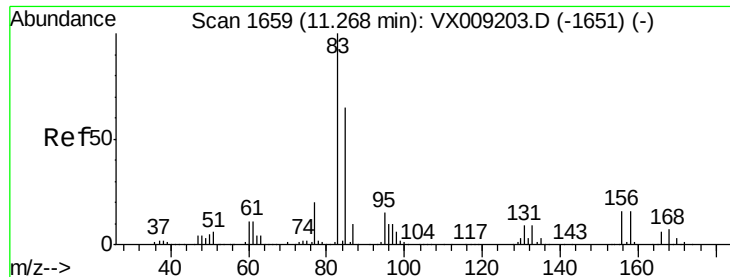
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.645 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

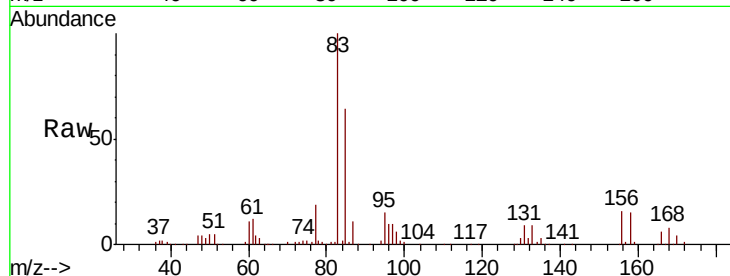
Tot Ion: 83 Resp: 62808

Ion Ratio Lower Upper

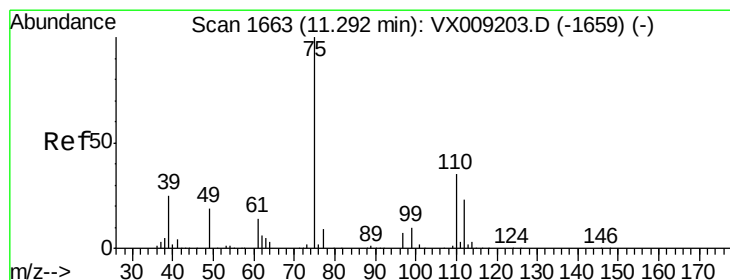
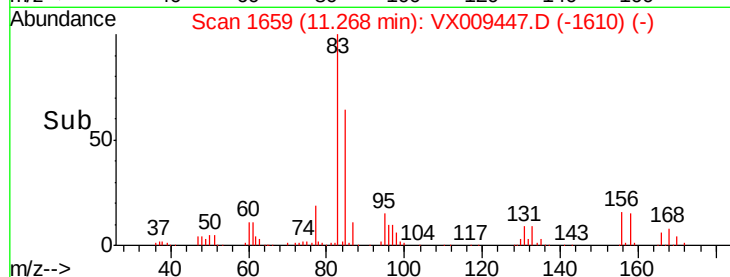
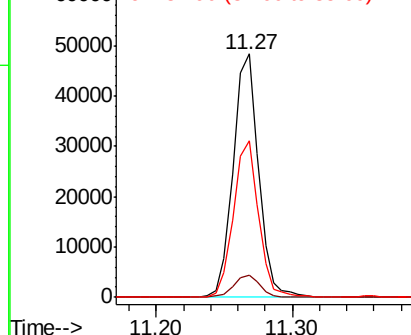
83 100

131 9.5 4.6 13.8

85 64.1 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: 27.340 ug/l

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009447.D

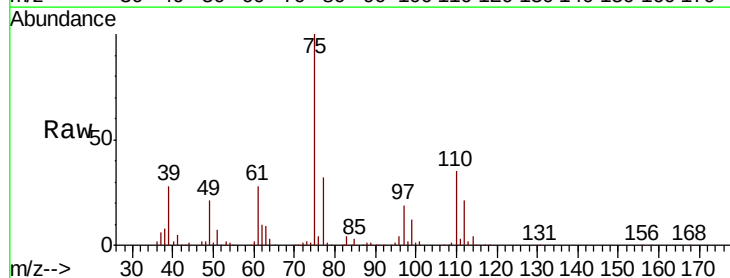
Acq: 09 May 2019 23:34

Tgt Ion: 75 Resp: 71175

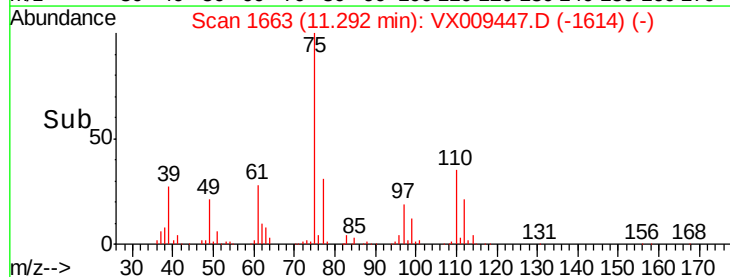
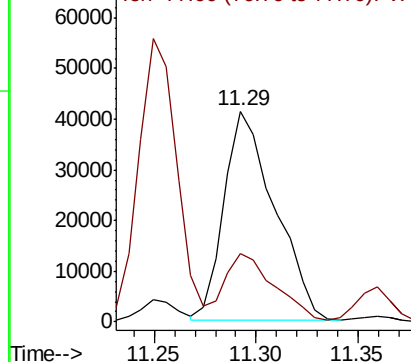
Ion Ratio Lower Upper

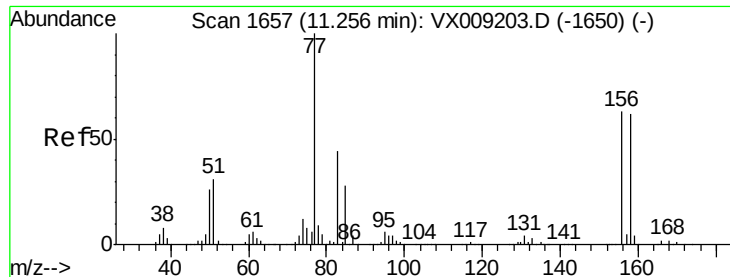
75 100

77 32.3 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: 21.106 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampled :

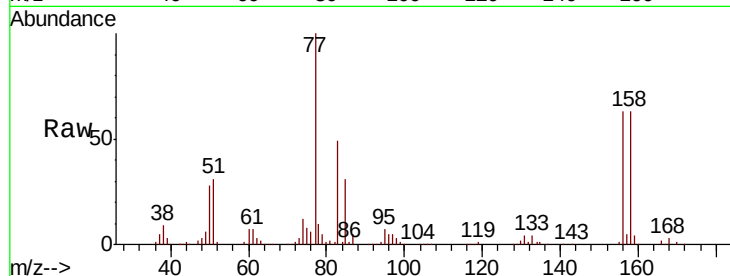
Tot Ion:156 Resp: 42752

Ion Ratio Lower Upper

156 100

77 170.7 84.8 254.3

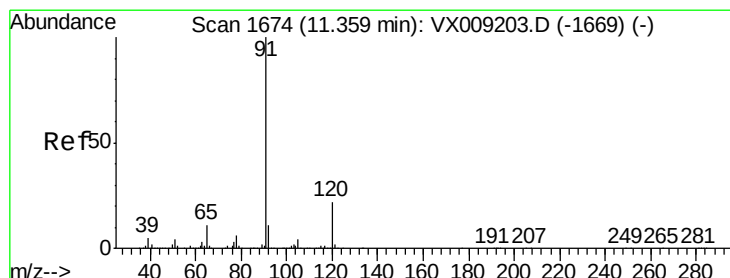
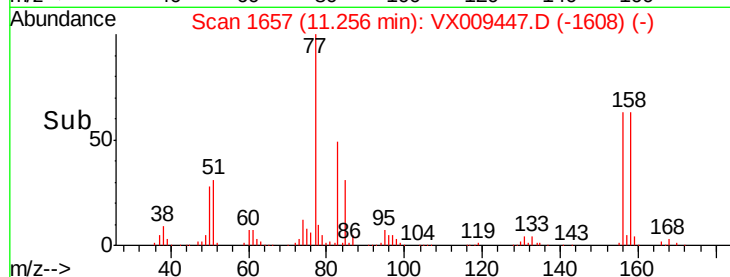
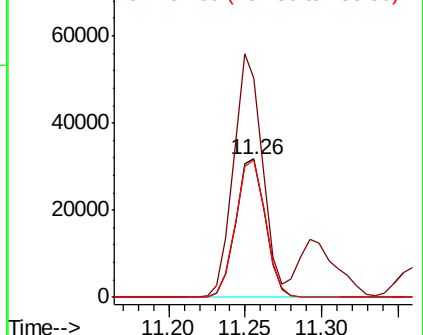
158 99.2 49.1 147.3



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: 21.088 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX009447.D

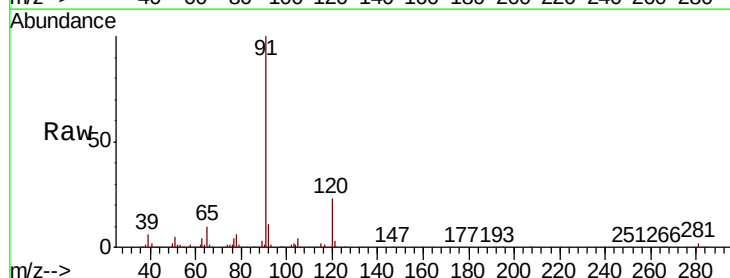
Acq: 09 May 2019 23:34

Tgt Ion: 91 Resp: 196545

Ion Ratio Lower Upper

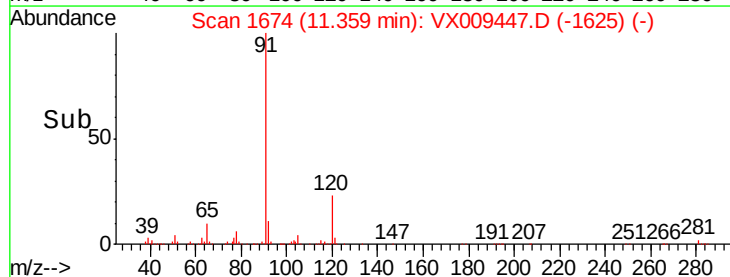
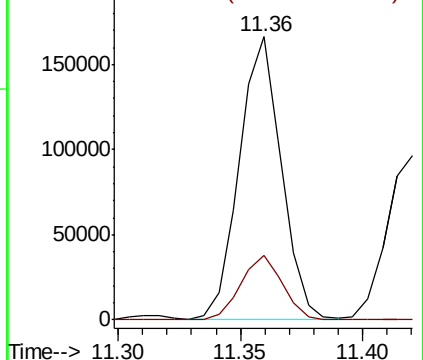
91 100

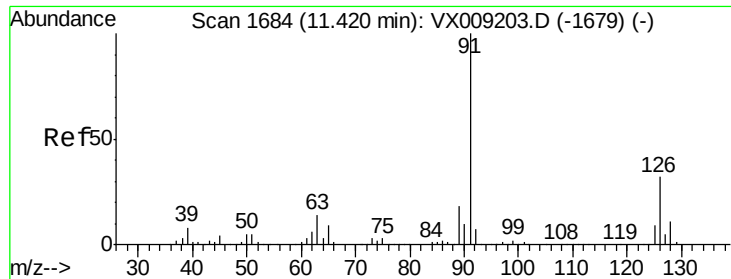
120 22.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.960 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

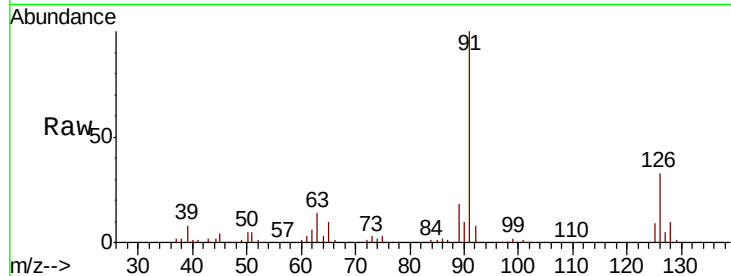
ClientSampled :

Tot Ion: 91 Resp: 120526

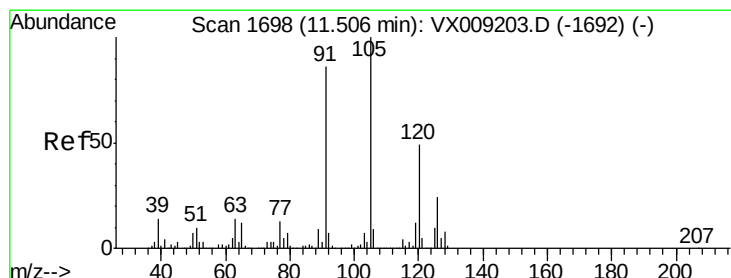
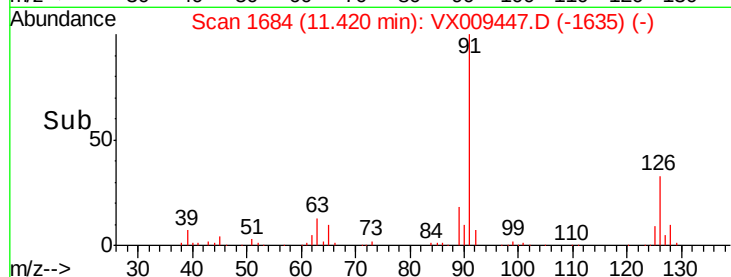
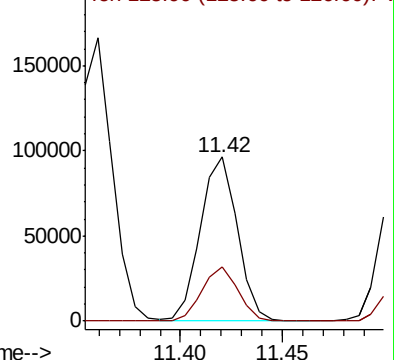
Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX009447.D (-1635) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.322 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009447.D

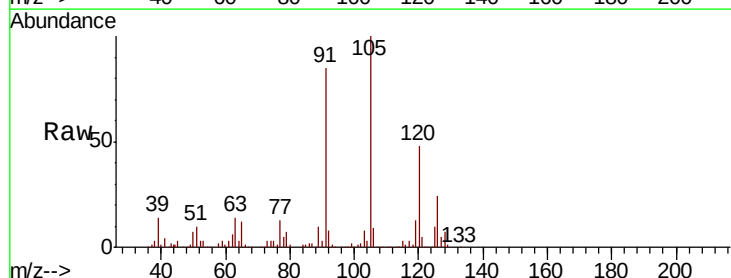
Acq: 09 May 2019 23:34

Tgt Ion: 105 Resp: 146515

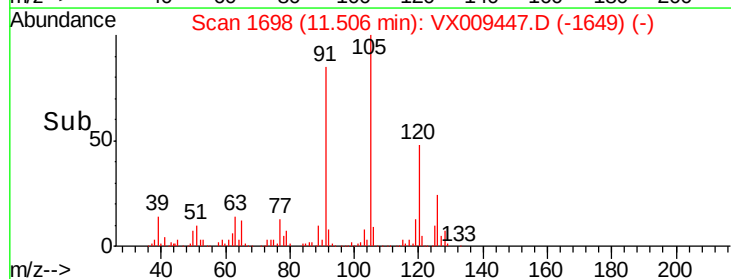
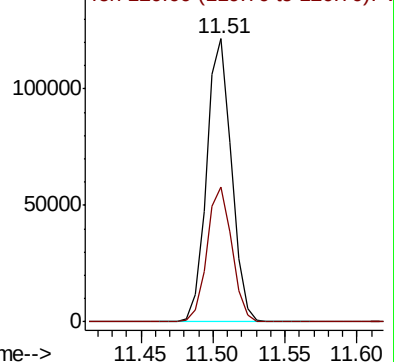
Ion Ratio Lower Upper

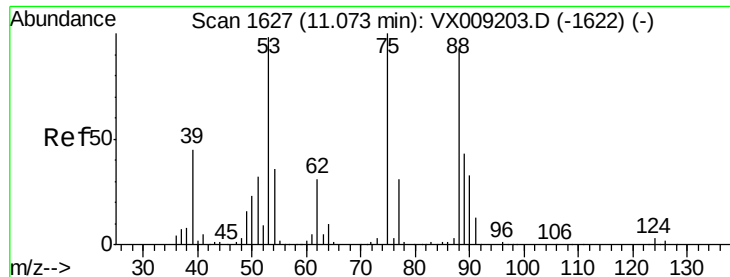
105 100

120 47.9 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VX009447.D (-1649) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.296 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

ClientSampleId :

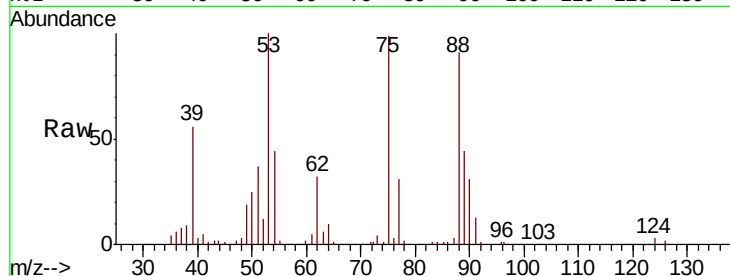
Tot Ion: 75 Resp: 18615

Ion Ratio Lower Upper

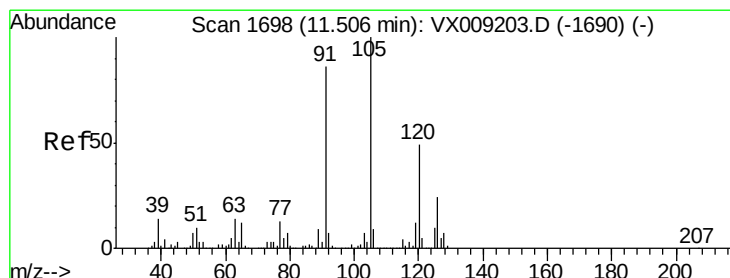
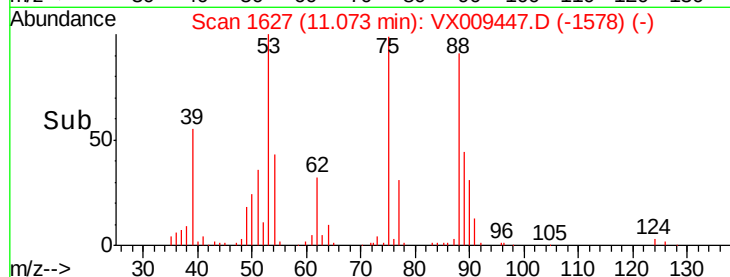
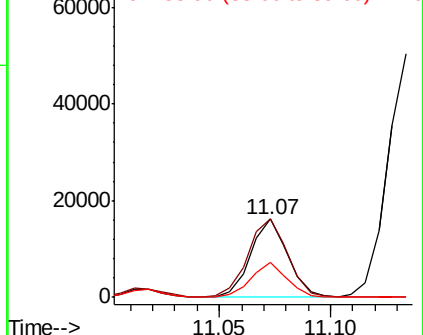
75 100

53 107.7 79.0 118.6

89 44.1 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: 20.948 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009447.D

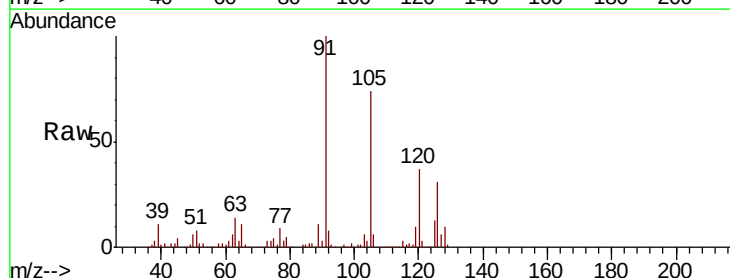
Acq: 09 May 2019 23:34

Tgt Ion: 91 Resp: 136082

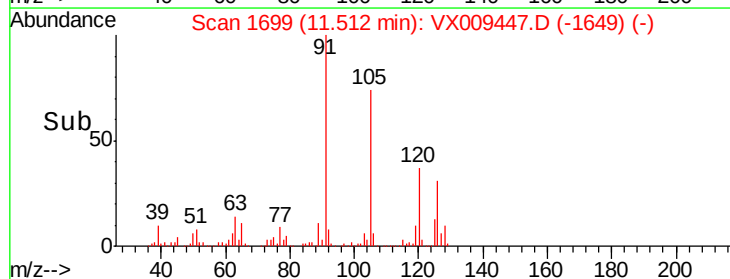
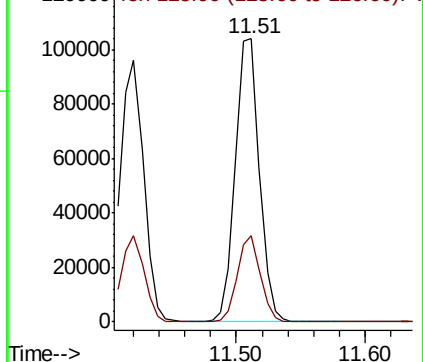
Ion Ratio Lower Upper

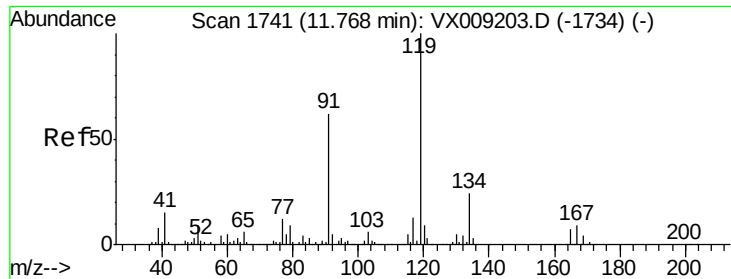
91 100

126 29.0 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V

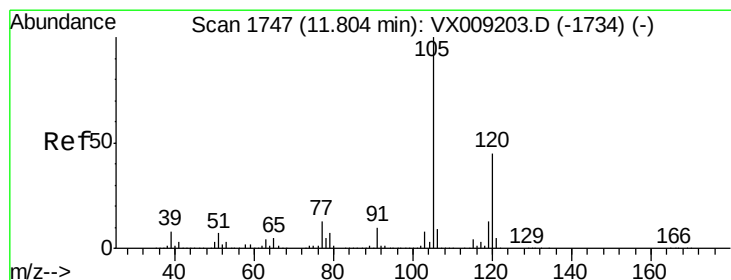
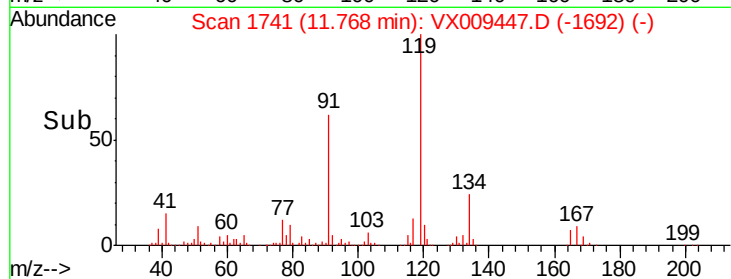
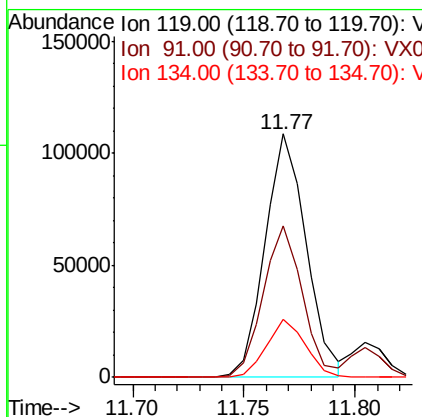
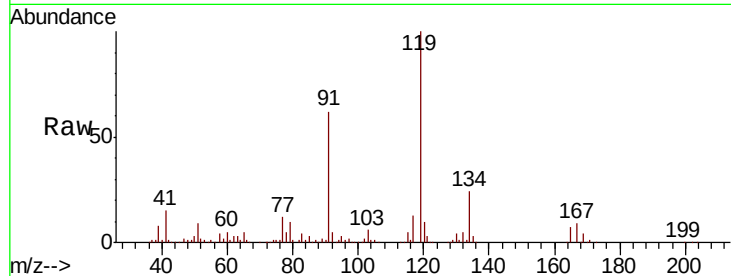




#83
 tert-Butylbenzene
 Concen: 20.877 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

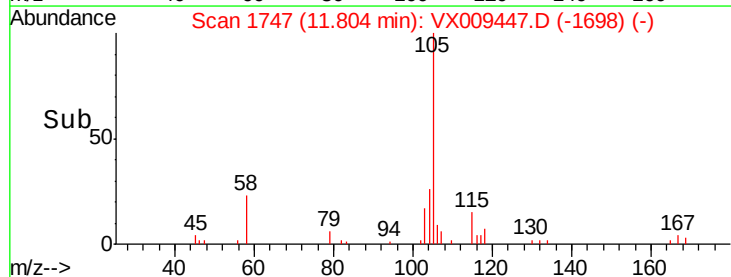
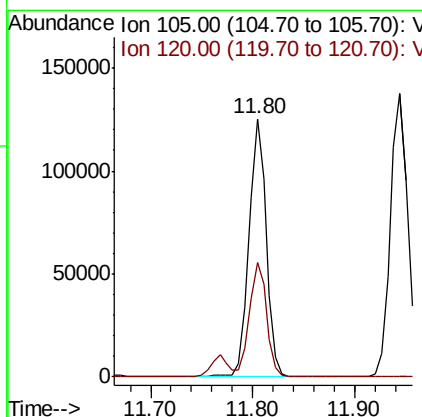
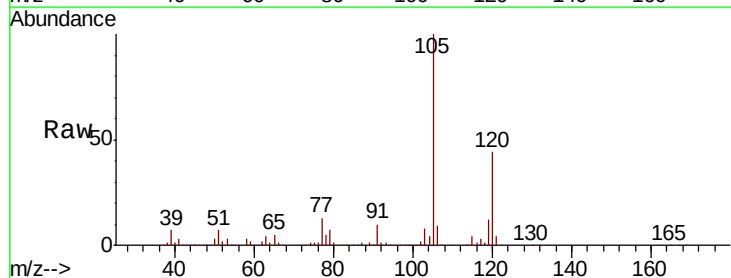
Instrument :
 MSVOA_X
 ClientSampled :

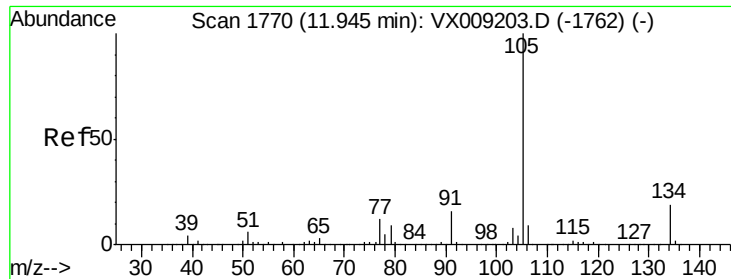
Tot Ion:119 Resp: 139554
 Ion Ratio Lower Upper
 119 100
 91 59.7 29.5 88.5
 134 22.5 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.431 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion:105 Resp: 147819
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.0 66.0





#85

sec-Butylbenzene

Concen: 20.823 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

Instrument :

MSVOA_X

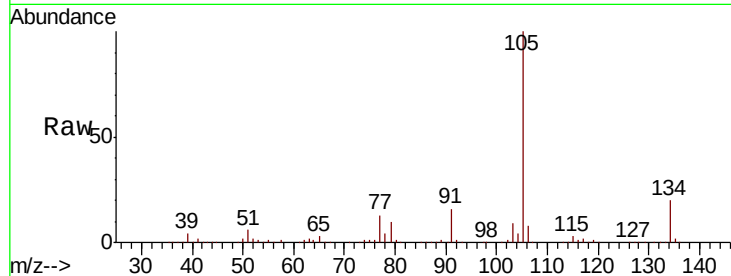
ClientSampleId :

Tot Ion:105 Resp: 165026

Ion Ratio Lower Upper

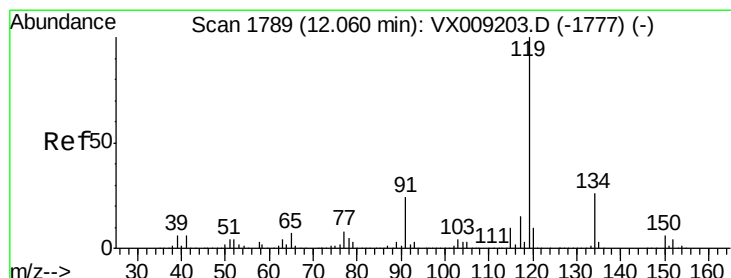
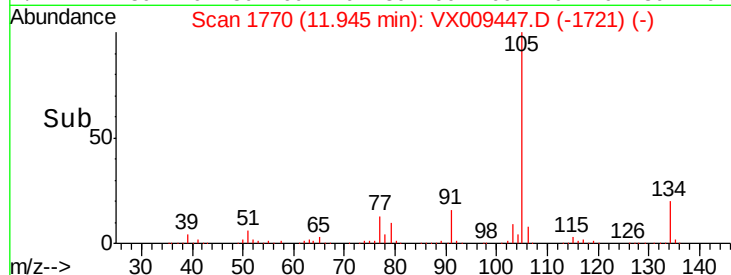
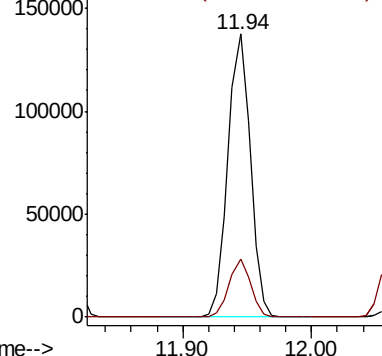
105 100

134 19.8 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.144 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX009447.D

Acq: 09 May 2019 23:34

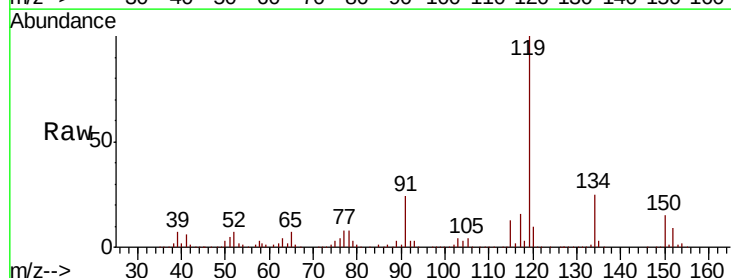
Tgt Ion:119 Resp: 150649

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.7

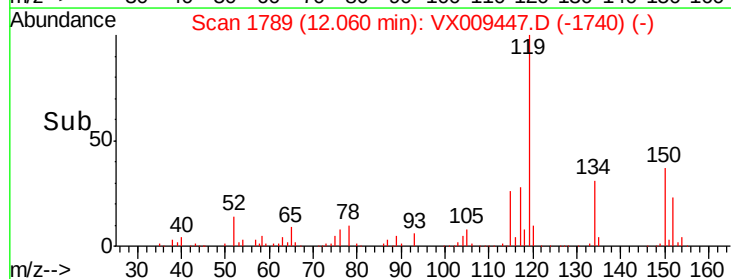
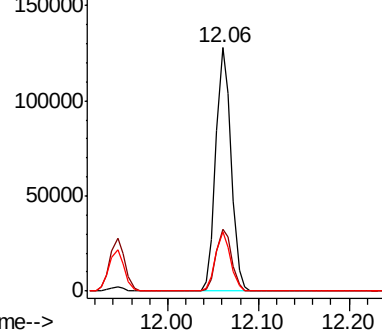
91 23.8 11.8 35.4

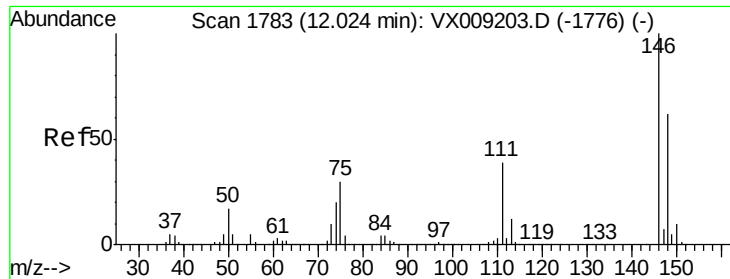


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

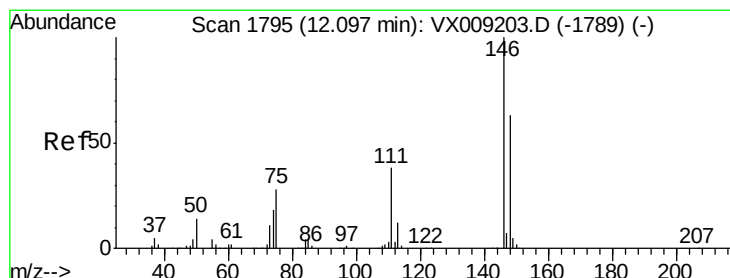
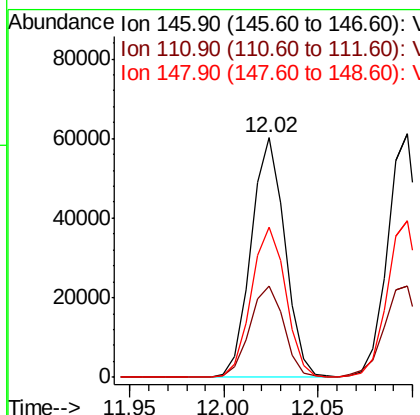
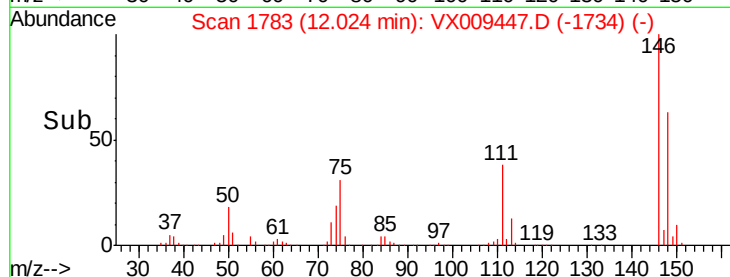
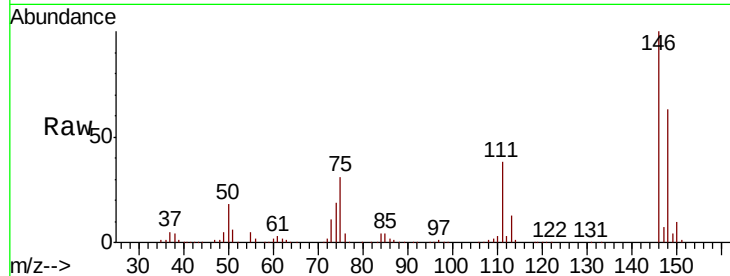




#87
 1,3-Dichlorobenzene
 Concen: 20.796 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

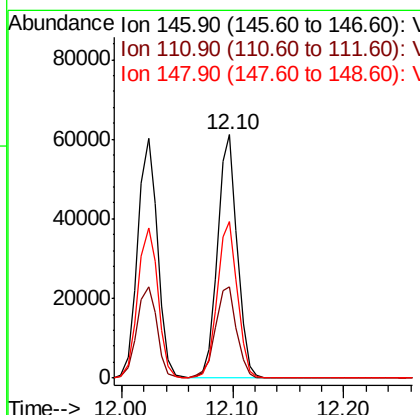
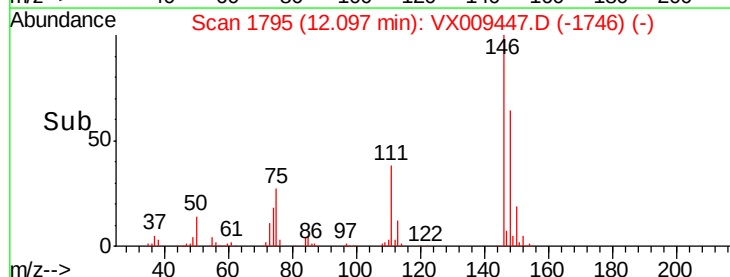
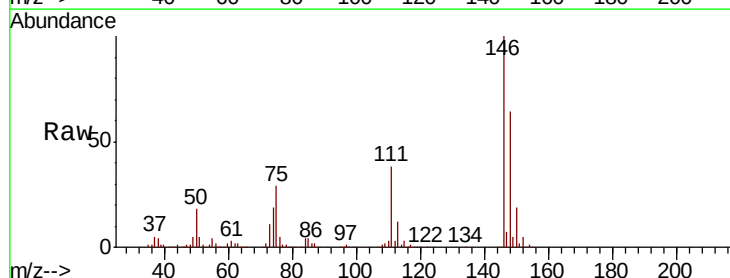
Instrument :
 MSVOA_X
 ClientSampleId :

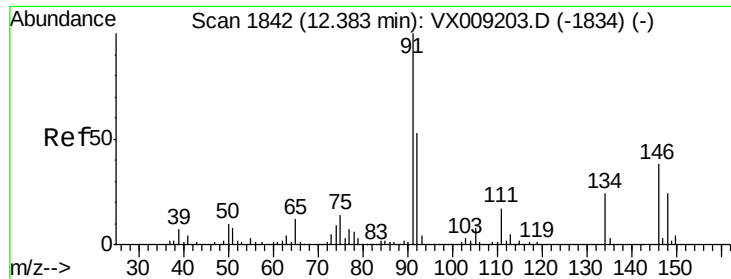
Tot Ion:146 Resp: 75096
 Ion Ratio Lower Upper
 146 100
 111 38.4 20.0 59.9
 148 63.7 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.558 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion:146 Resp: 74843
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.6 58.8
 148 65.3 31.8 95.3

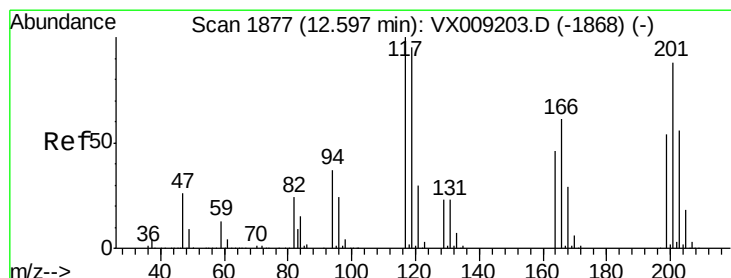
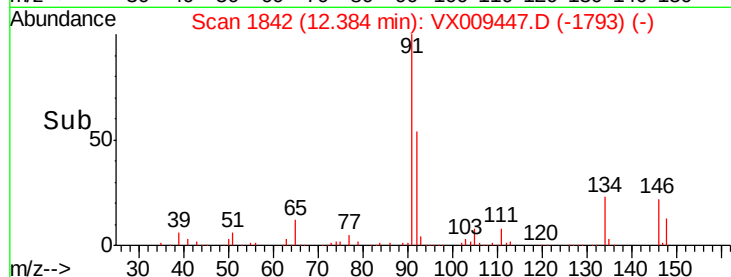
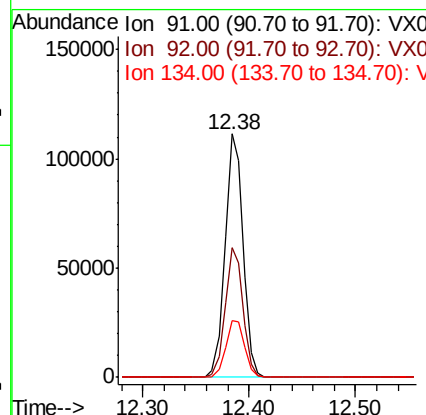
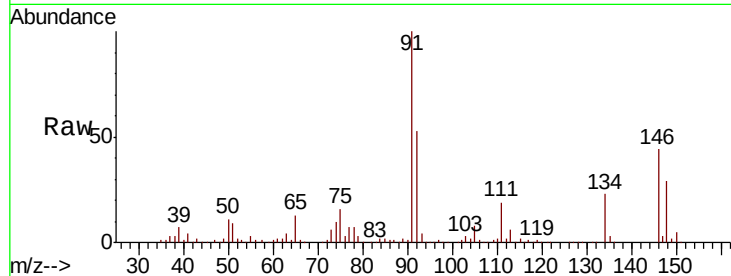




#89
n-Butylbenzene
Concen: 20.343 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

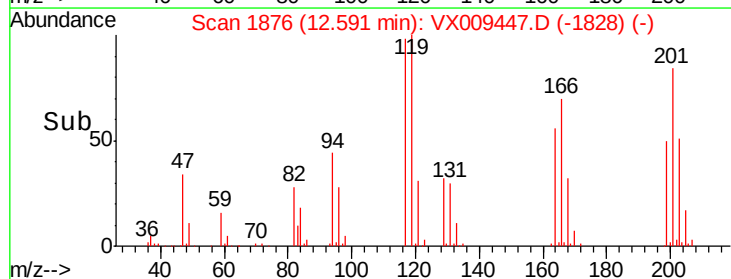
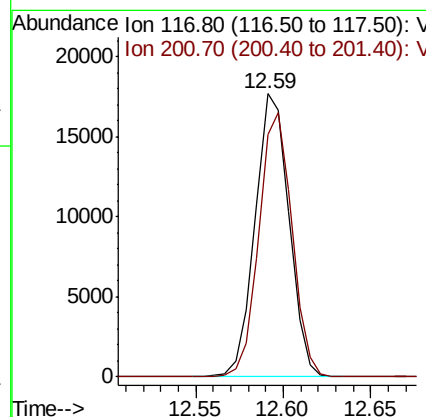
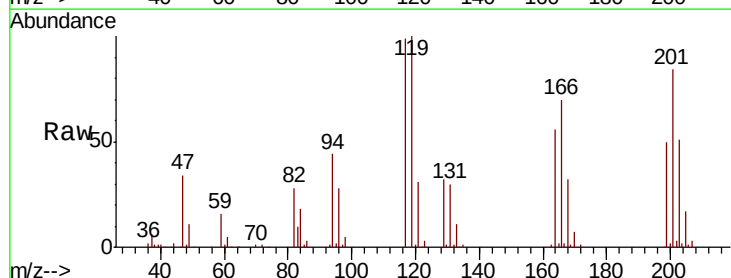
Instrument :
MSVOA_X
ClientSampled :

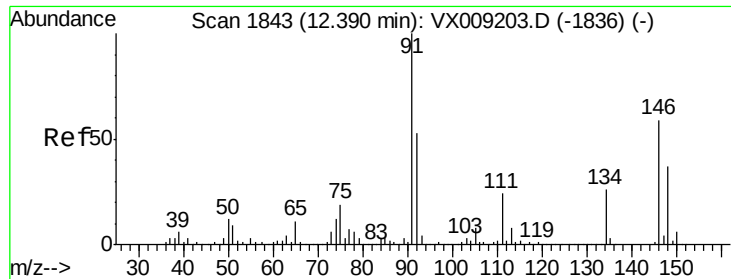
Tot Ion: 91 Resp: 130999
Ion Ratio Lower Upper
91 100
92 52.5 26.5 79.5
134 24.6 12.4 37.2



#90
Hexachloroethane
Concen: 19.661 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion: 117 Resp: 23865
Ion Ratio Lower Upper
117 100
201 90.7 42.3 126.9

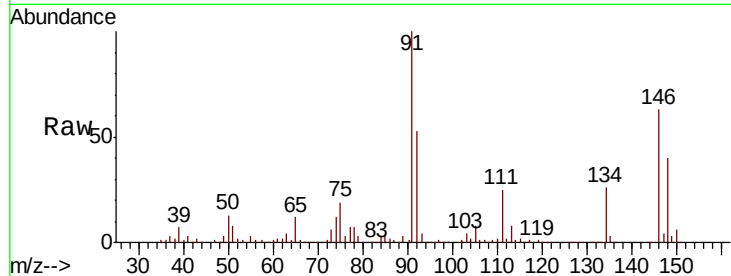




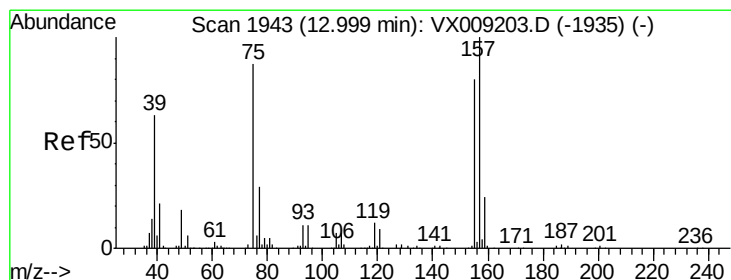
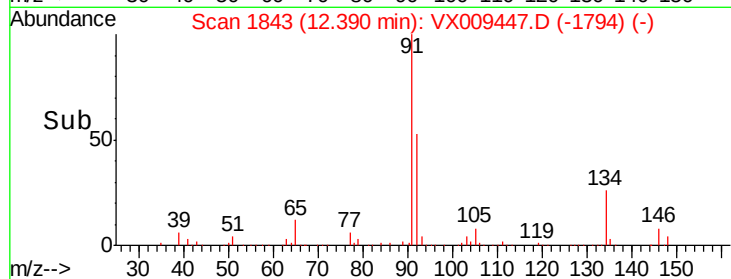
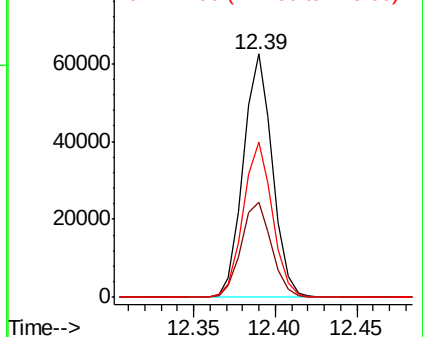
#91
 1,2-Dichlorobenzene
 Concen: 21.097 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:146 Resp: 77594
 Ion Ratio Lower Upper
 146 100
 111 40.8 20.8 62.4
 148 64.0 31.9 95.9

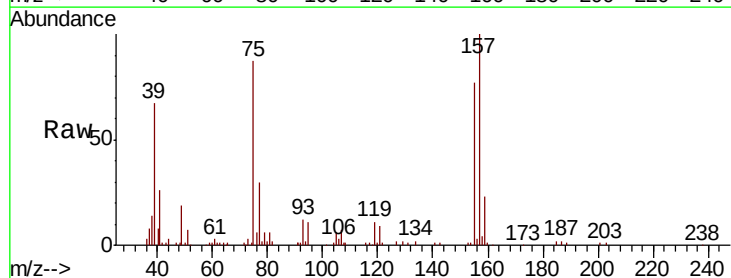


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

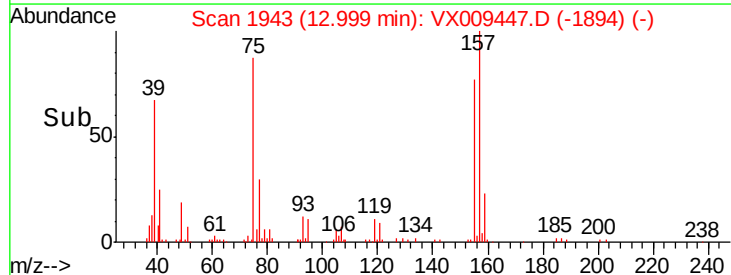
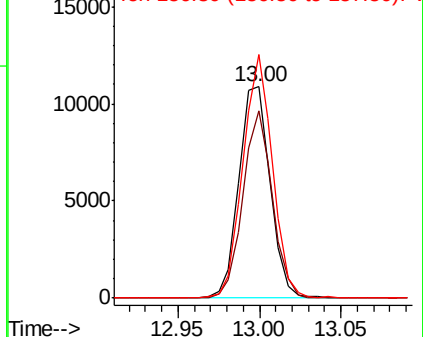


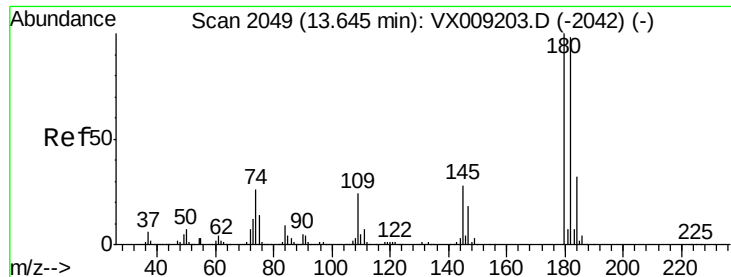
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.321 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion: 75 Resp: 14551
 Ion Ratio Lower Upper
 75 100
 155 83.2 42.0 126.0
 157 108.6 53.2 159.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

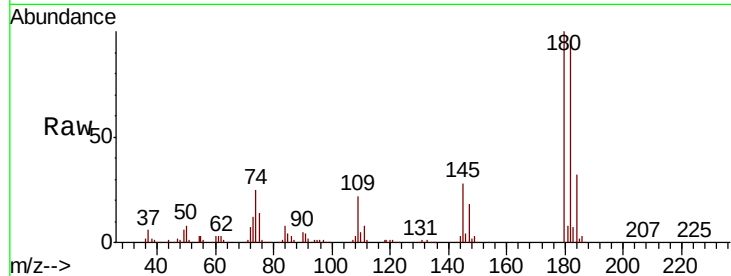




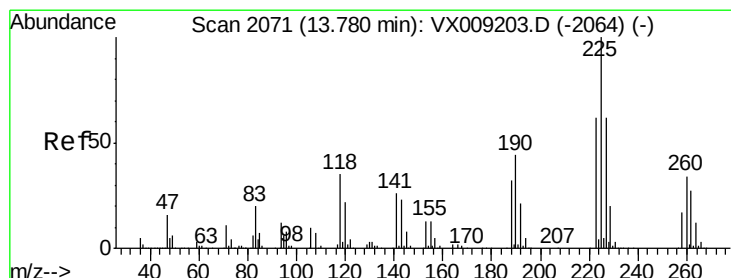
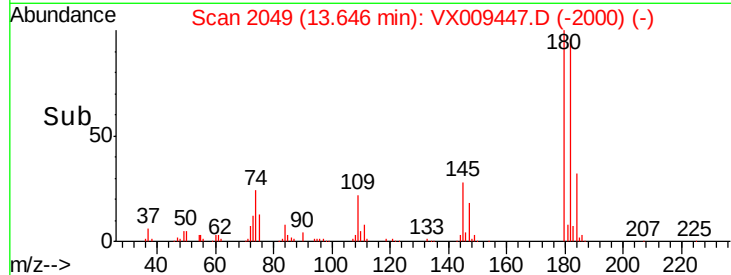
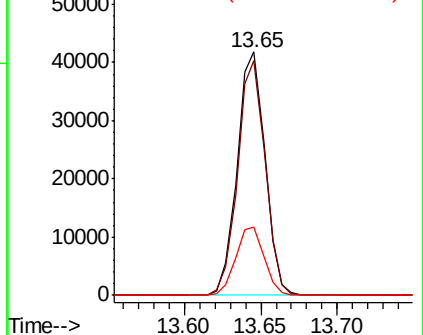
#93
 1,2,4-Trichlorobenzene
 Concen: 20.914 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:180 Resp: 52602
 Ion Ratio Lower Upper
 180 100
 182 95.2 48.4 145.2
 145 28.8 14.6 43.8

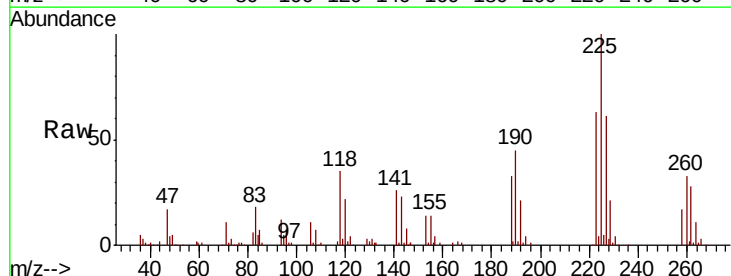


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

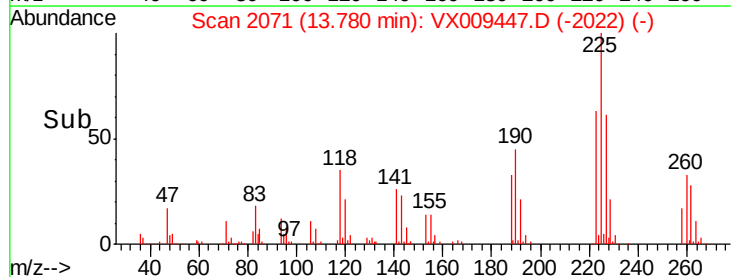
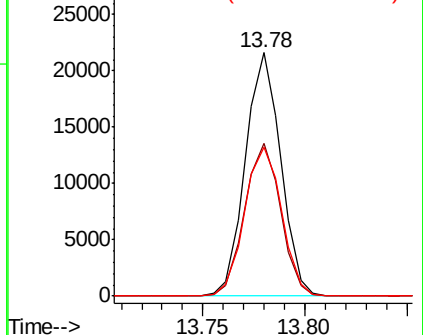


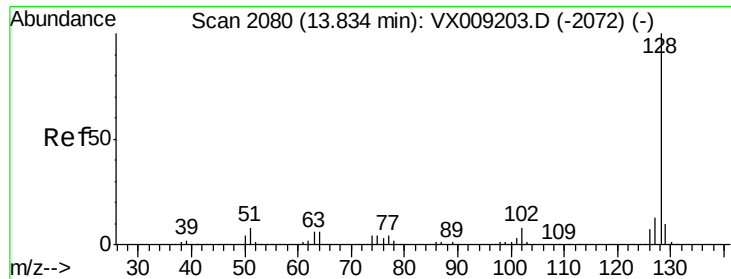
#94
 Hexachlorobutadiene
 Concen: 20.270 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX009447.D
 Acq: 09 May 2019 23:34

Tgt Ion:225 Resp: 26034
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.3 93.8
 227 64.1 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

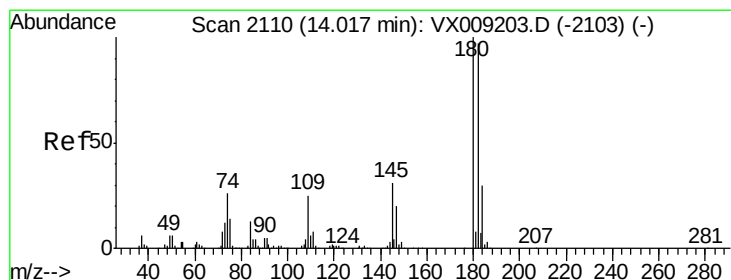
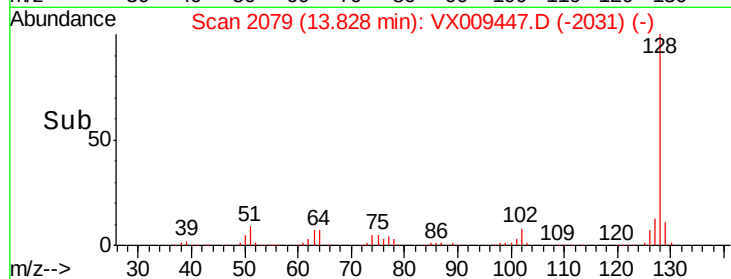
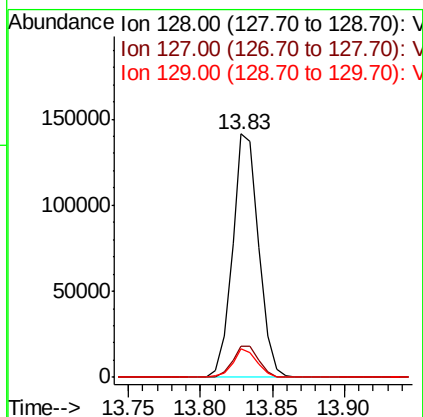
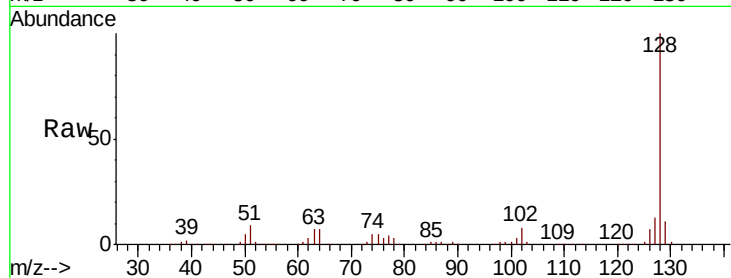




#95
Naphthalene
Concen: 21.965 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:128 Resp: 179739
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.717 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009447.D
Acq: 09 May 2019 23:34

Tgt Ion:180 Resp: 55367
Ion Ratio Lower Upper
180 100
182 95.8 47.8 143.4
145 30.4 15.4 46.4

