

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091218\
 Data File : VX004491.D
 Acq On : 12 Sep 2018 13:40
 Operator : JC/MD
 Sample : VX0912MBS02
 Misc : 5.0uL/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

Quant Time: Sep 13 01:00:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	364039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	208157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	168323	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	5.50	113	143007	42.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.86%	
50) Toluene-d8	8.72	98	556198	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.14	95	202129	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50419	20.99	ug/l	98
3) Chloromethane	1.32	50	70143	21.21	ug/l	100
4) Vinyl Chloride	1.40	62	70953	20.91	ug/l	99
5) Bromomethane	1.64	94	37225	25.62	ug/l	99
6) Chloroethane	1.71	64	43619	19.88	ug/l	98
7) Trichlorofluoromethane	1.92	101	90715	20.16	ug/l	95
8) Diethyl Ether	2.19	74	42039	20.84	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	57217	20.05	ug/l	99
10) Methyl Iodide	2.51	142	57894	19.78	ug/l	99
11) Tert butyl alcohol	3.07	59	87226	110.60	ug/l	100
12) 1,1-Dichloroethene	2.37	96	55350	20.66	ug/l	98
13) Acrolein	2.29	56	36539	117.36	ug/l	95
14) Allyl chloride	2.72	41	112769	20.48	ug/l	95
15) Acrylonitrile	3.15	53	202101	106.41	ug/l	99
16) Acetone	2.45	43	163537	101.37	ug/l	100
17) Carbon Disulfide	2.57	76	145244	18.76	ug/l	99
18) Methyl Acetate	2.78	43	95598	21.12	ug/l	96
19) Methyl tert-butyl Ether	3.20	73	200326	21.32	ug/l	97
20) Methylene Chloride	2.86	84	66856	20.20	ug/l	89
21) trans-1,2-Dichloroethene	3.16	96	59654	20.16	ug/l	95
22) Diisopropyl ether	3.87	45	200193	20.19	ug/l	96
23) Vinyl Acetate	3.82	43	908197	113.16	ug/l	97
24) 1,1-Dichloroethane	3.70	63	116587	20.82	ug/l	98
25) 2-Butanone	4.71	43	248798	96.90	ug/l	98
26) 2,2-Dichloropropane	4.58	77	78441	20.40	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	63419	19.19	ug/l	96
28) Bromochloromethane	5.02	49	52106	20.34	ug/l	95
29) Tetrahydrofuran	5.17	42	162660	105.05	ug/l	96
30) Chloroform	5.21	83	104425	19.10	ug/l	99
31) Cyclohexane	5.57	56	96760	20.24	ug/l	94
32) 1,1,1-Trichloroethane	5.49	97	86608	19.67	ug/l	100
36) 1,1-Dichloropropene	5.80	75	79470	17.98	ug/l	100
37) Ethyl Acetate	4.87	43	91011	18.11	ug/l	98
38) Carbon Tetrachloride	5.78	117	74065	17.16	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	93800	20.34	ug/l	96
40) Benzene	6.14	78	247226	18.85	ug/l	100
41) Methacrylonitrile	5.06	41	51316	18.53	ug/l	99
42) 1,2-Dichloroethane	6.20	62	82360	18.94	ug/l	99
43) Isopropyl Acetate	6.47	43	135631	20.32	ug/l	98
44) Trichloroethene	7.21	130	67795	19.90	ug/l	97
45) 1,2-Dichloropropane	7.52	63	64460	20.43	ug/l	99
46) Dibromomethane	7.67	93	39863	20.00	ug/l	99
47) Bromodichloromethane	7.90	83	72326	19.19	ug/l	99
48) Methyl methacrylate	7.78	41	69528	21.04	ug/l	97
49) 1,4-Dioxane	7.76	88	33629	430.03	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	469389	99.63	ug/l	98
52) Toluene	8.79	92	153923	19.92	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	82367	18.70	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	92656	20.64	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	61914	18.61	ug/l	97
56) Ethyl methacrylate	9.18	69	89982	19.12	ug/l	97
57) 1,3-Dichloropropane	9.37	76	104842	19.40	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	238242	103.74	ug/l	95
59) 2-Hexanone	9.50	43	364105	100.75	ug/l	96
60) Dibromochloromethane	9.59	129	57922	18.49	ug/l	100
61) 1,2-Dibromoethane	9.68	107	64387	20.26	ug/l	99
64) Tetrachloroethene	9.34	164	78283	18.02	ug/l	97
65) Chlorobenzene	10.14	112	171552	19.84	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	57584	19.32	ug/l	99
67) Ethyl Benzene	10.26	91	284725	20.26	ug/l	96
68) m/p-Xylenes	10.36	106	222215	41.04	ug/l	96
69) o-Xylene	10.70	106	106922	20.54	ug/l	99
70) Styrene	10.71	104	178610	20.71	ug/l	98
71) Bromoform	10.86	173	43502	17.77	ug/l #	97
73) Isopropylbenzene	11.02	105	292124	21.31	ug/l	99
74) N-amyl acetate	10.90	43	120254	20.84	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.27	83	90698	20.51	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	107134	25.58	ug/l	87
77) Bromobenzene	11.26	156	77213	20.38	ug/l	98
78) n-propylbenzene	11.36	91	338167	21.45	ug/l	100
79) 2-Chlorotoluene	11.42	91	199719	20.89	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	244368	21.20	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	25677	19.54	ug/l	96
82) 4-Chlorotoluene	11.51	91	233325	20.91	ug/l	100
83) tert-Butylbenzene	11.77	119	226415	20.64	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	250831	21.32	ug/l	99
85) sec-Butylbenzene	11.95	105	295730	21.15	ug/l	99
86) p-Isopropyltoluene	12.07	119	263325	21.33	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	142343	20.13	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	144407	19.77	ug/l	99
89) n-Butylbenzene	12.39	91	229333	20.38	ug/l	97
90) Hexachloroethane	12.60	117	36202	18.32	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	141392	19.76	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19296	20.44	ug/l	99

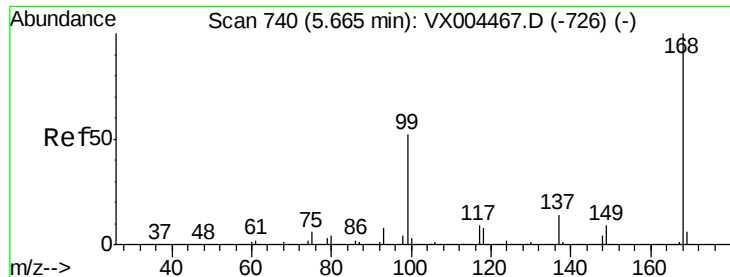
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Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	101855	20.10	ug/l	99
94) Hexachlorobutadiene	13.79	225	50666	19.14	ug/l	97
95) Naphthalene	13.83	128	304970	21.46	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	105606	20.29	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

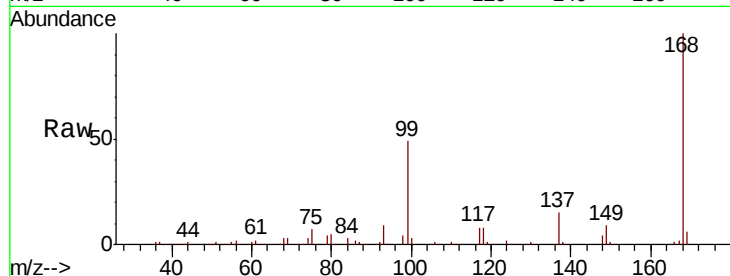
VX0912MBS02

Tot Ion:168 Resp: 256343

Ion Ratio Lower Upper

168 100

99 48.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

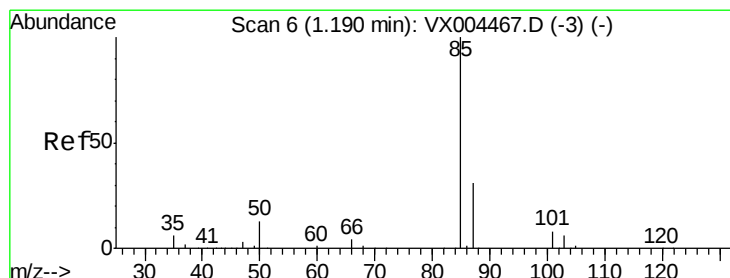
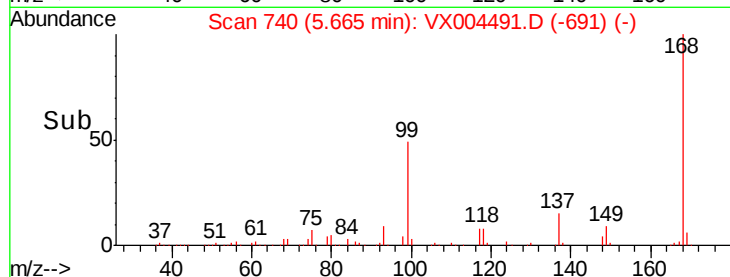
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.99 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004491.D

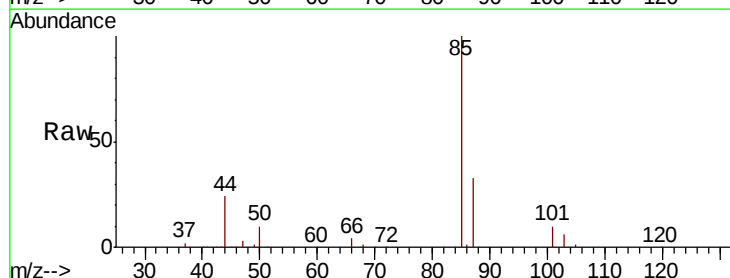
Acq: 12 Sep 2018 13:40

Tgt Ion: 85 Resp: 50419

Ion Ratio Lower Upper

85 100

87 32.8 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

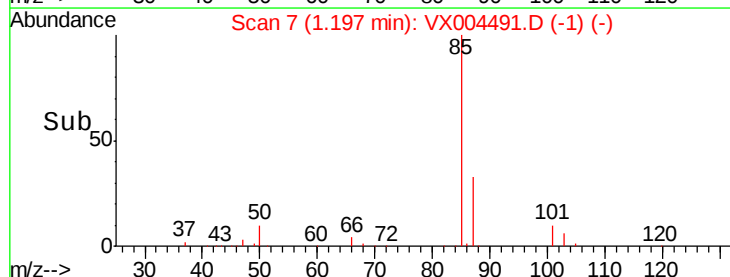
30000

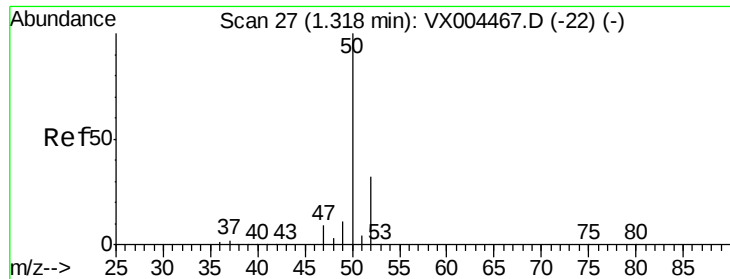
20000

10000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 21.21 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

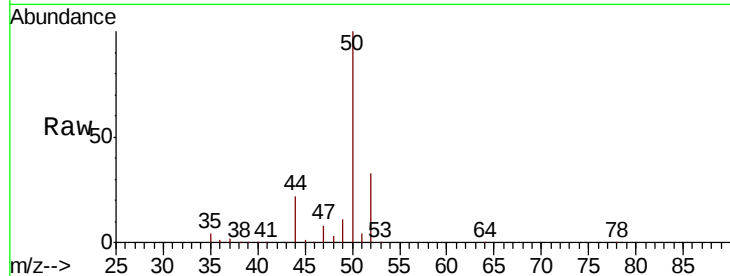
VX0912MBS02

Tot Ion: 50 Resp: 70143

Ion Ratio Lower Upper

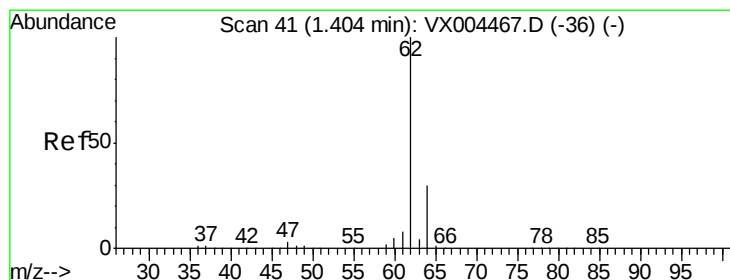
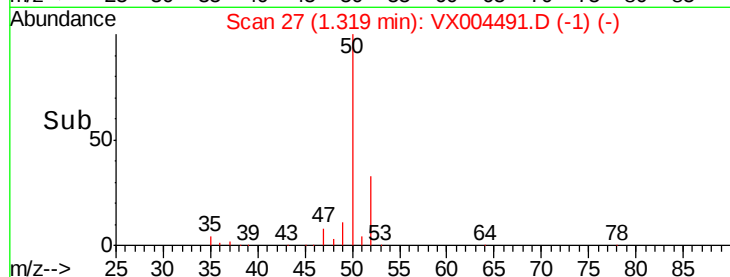
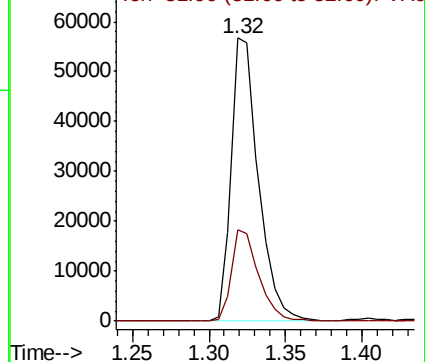
50 100

52 32.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 20.91 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004491.D

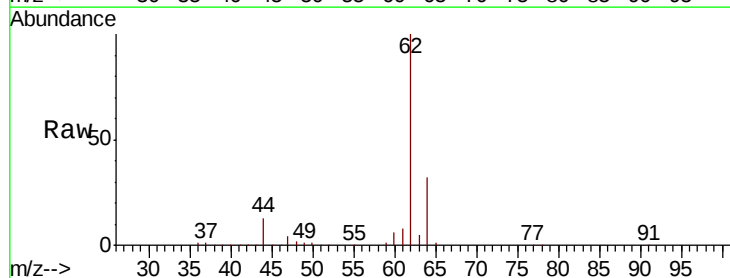
Acq: 12 Sep 2018 13:40

Tgt Ion: 62 Resp: 70953

Ion Ratio Lower Upper

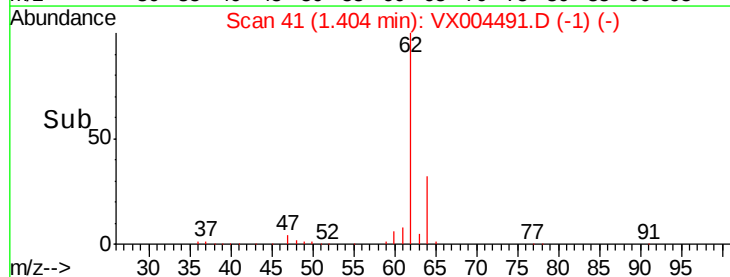
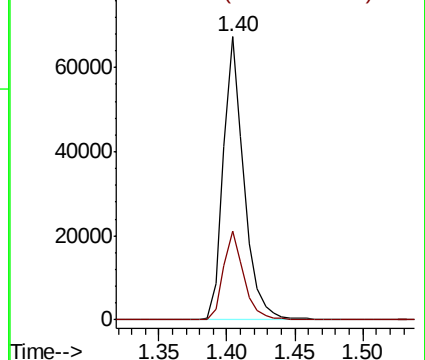
62 100

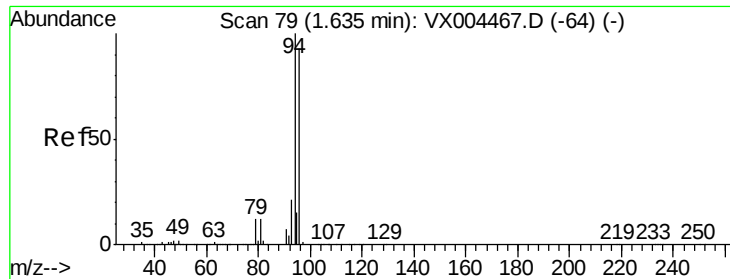
64 31.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 25.62 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

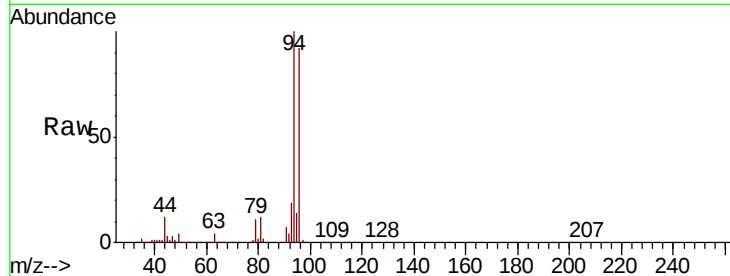
VX0912MBS02

Tot Ion: 94 Resp: 37225

Ion Ratio Lower Upper

94 100

96 92.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

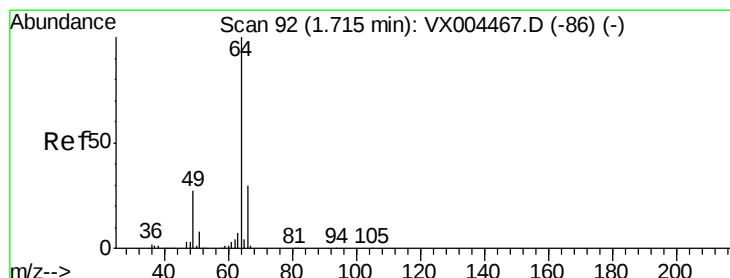
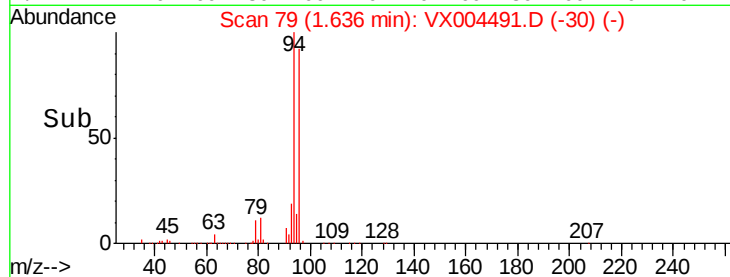
20000

10000

0

Time-->

1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 19.88 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX004491.D

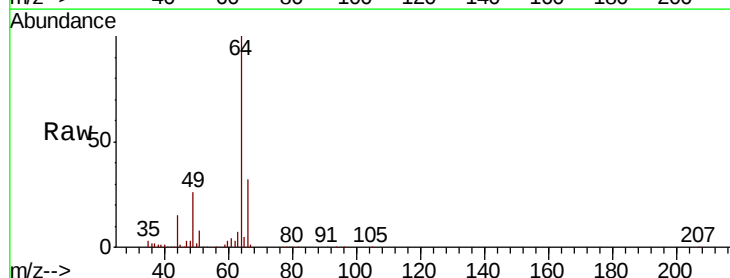
Acq: 12 Sep 2018 13:40

Tgt Ion: 64 Resp: 43619

Ion Ratio Lower Upper

64 100

66 32.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

30000

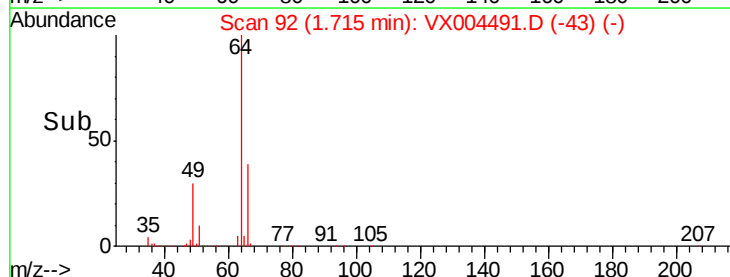
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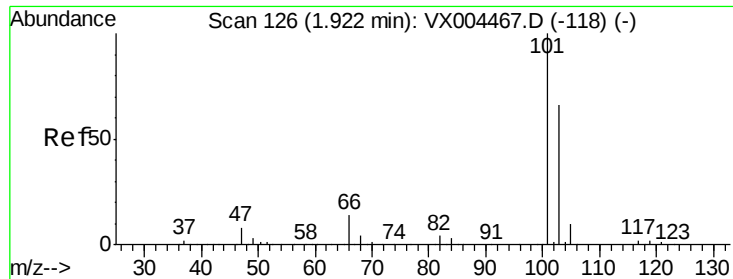
10000

0

Time-->

1.60 1.70 1.80





#7

Trichlorofluoromethane

Concen: 20.16 ug/l

RT: 1.92 min Scan# 126

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

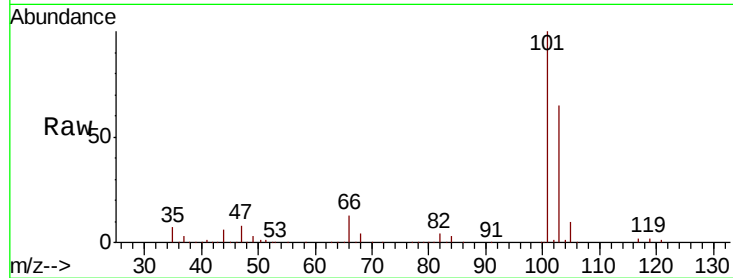
VX0912MBS02

Tot Ion:101 Resp: 90715

Ion Ratio Lower Upper

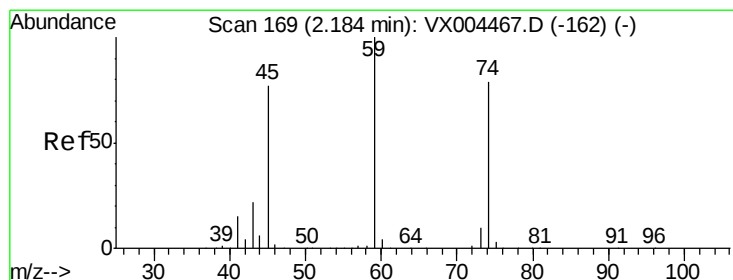
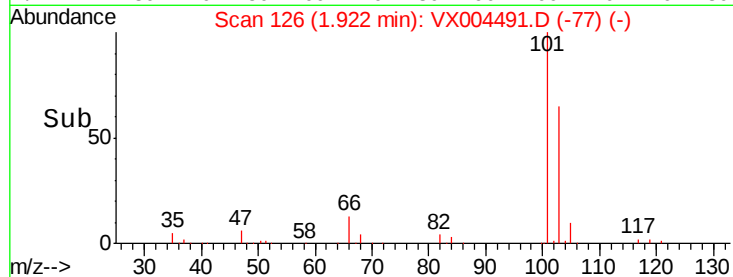
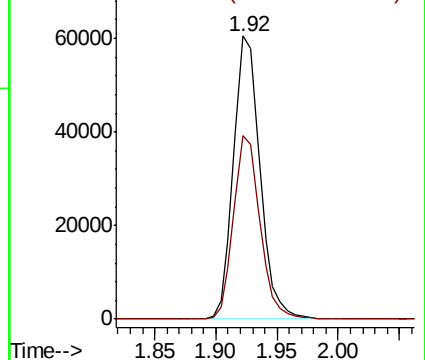
101 100

103 64.7 48.9 73.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.84 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.01 min

Lab File: VX004491.D

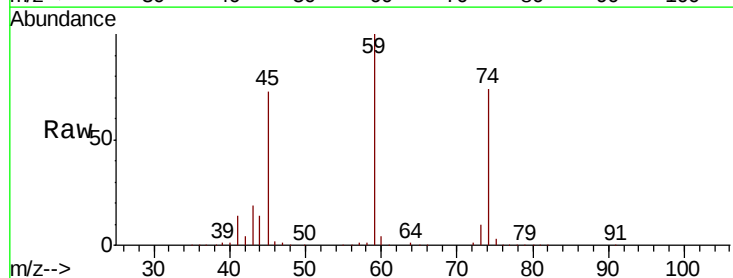
Acq: 12 Sep 2018 13:40

Tgt Ion: 74 Resp: 42039

Ion Ratio Lower Upper

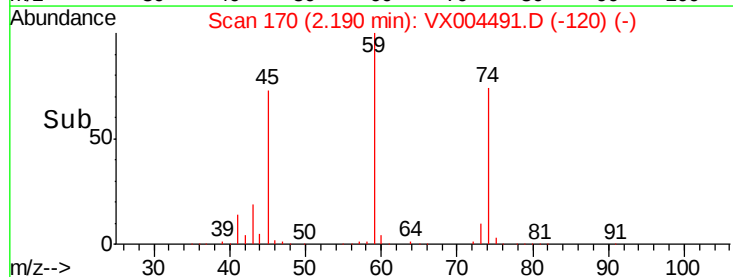
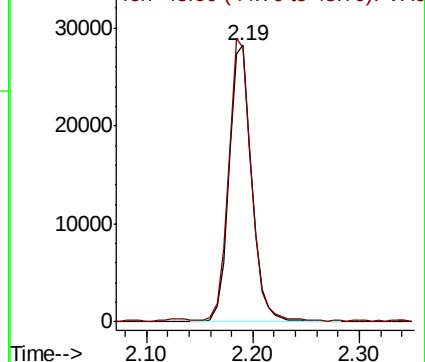
74 100

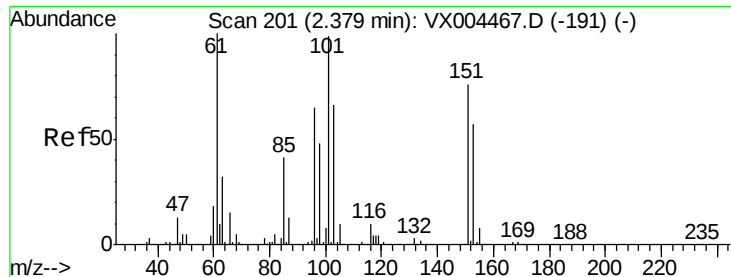
45 101.7 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.05 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

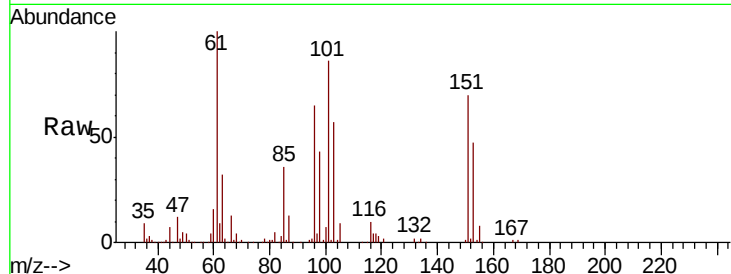
Tot Ion:101 Resp: 57217

Ion Ratio Lower Upper

101 100

85 43.0 34.2 51.4

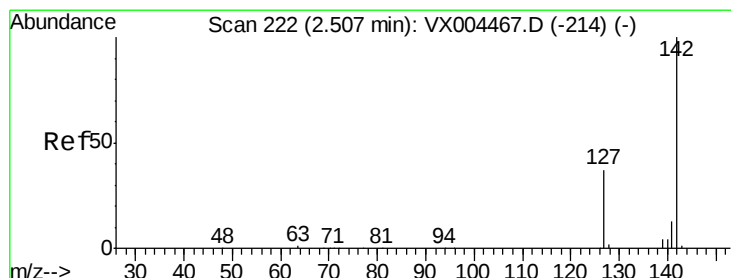
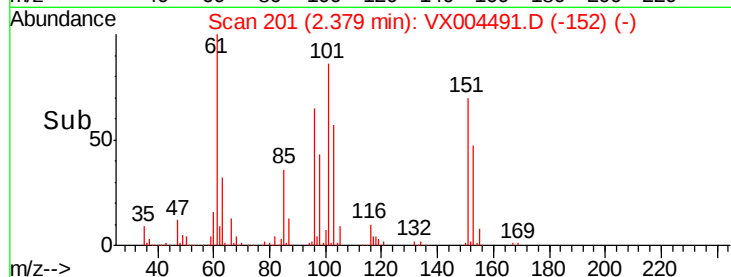
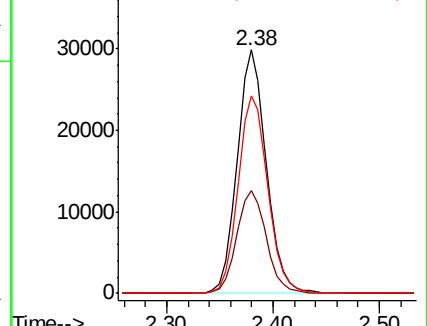
151 83.0 65.0 97.6



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: 19.78 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

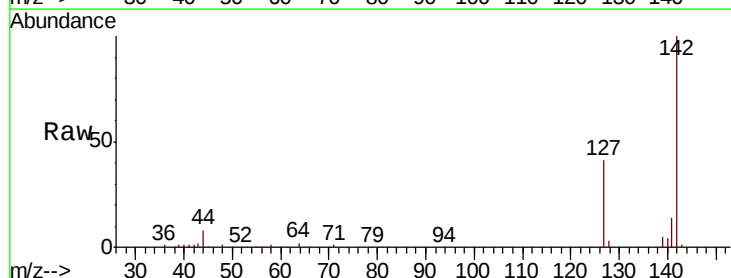
Tgt Ion:142 Resp: 57894

Ion Ratio Lower Upper

142 100

127 41.3 33.8 50.6

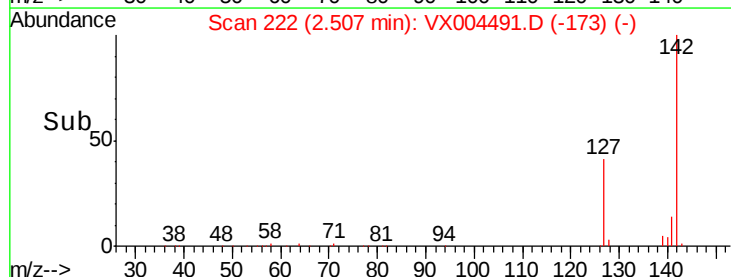
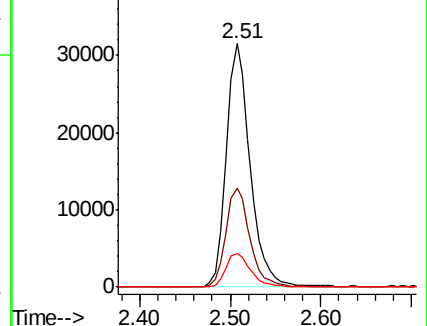
141 14.4 11.4 17.0

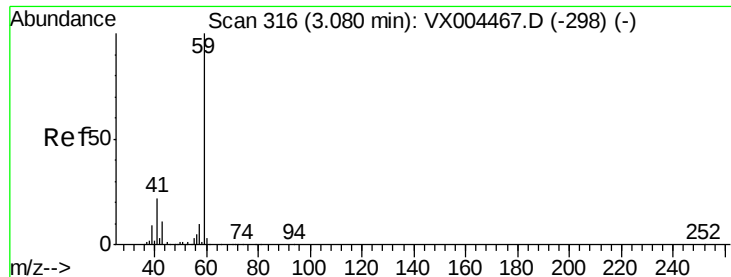


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



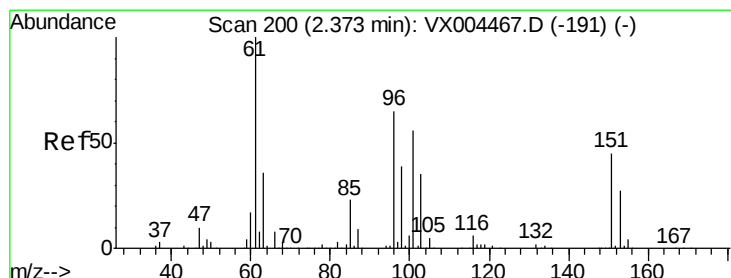
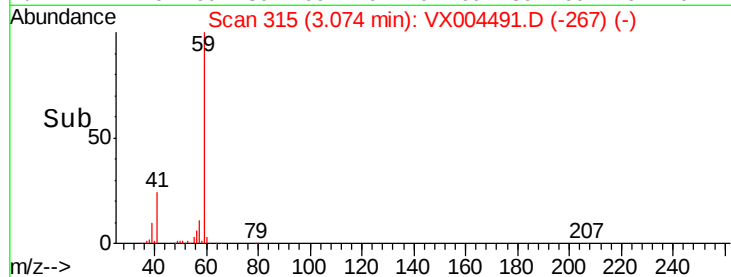
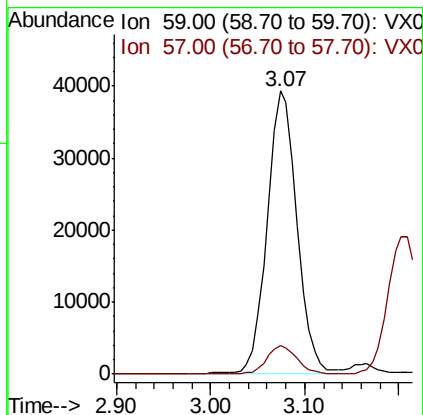
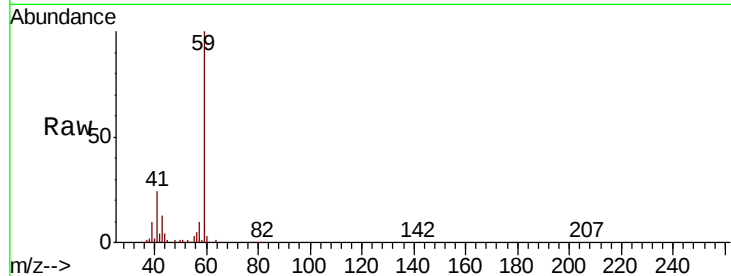


#11

Tert butyl alcohol
 Concen: 110.60 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

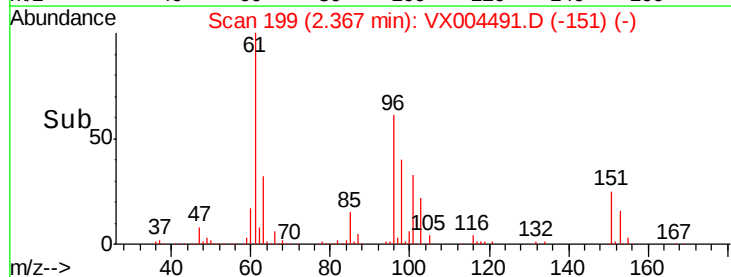
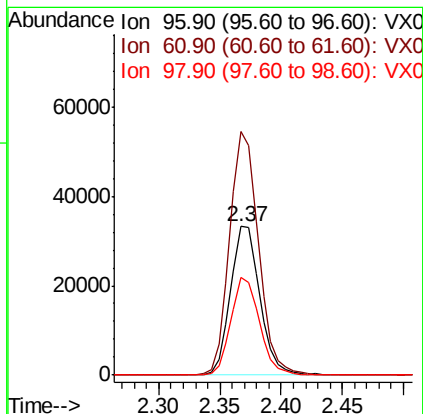
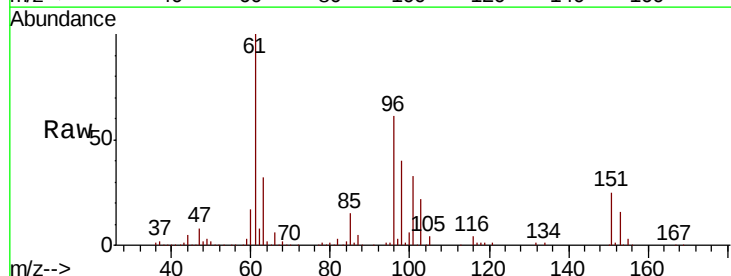
Tot Ion: 59 Resp: 87226
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.2 12.4

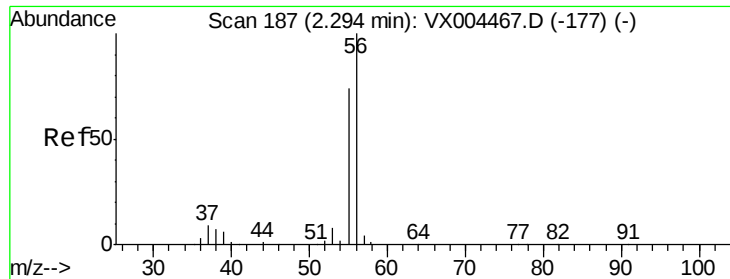


#12

1,1-Dichloroethene
 Concen: 20.66 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion: 96 Resp: 55350
 Ion Ratio Lower Upper
 96 100
 61 163.7 128.8 193.2
 98 65.6 52.2 78.2





#13

Acrolein

Concen: 117.36 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

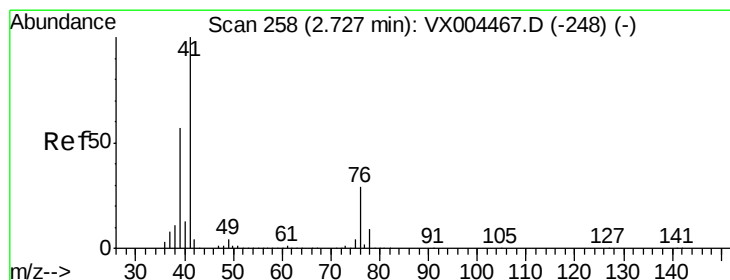
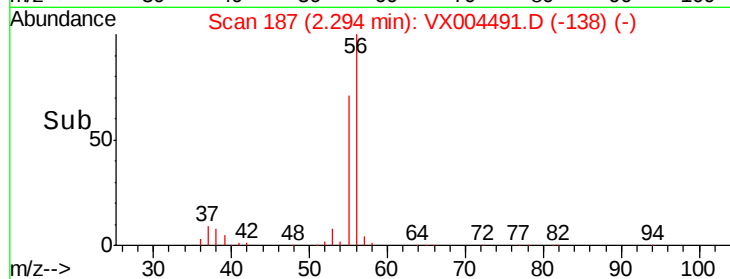
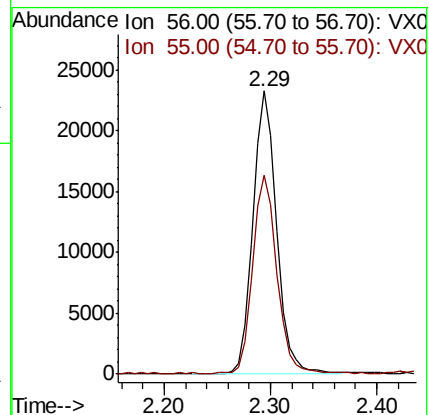
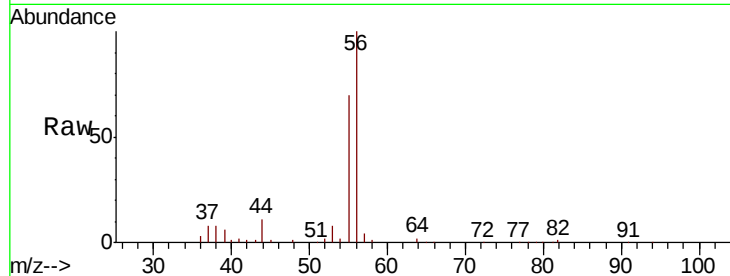
VX0912MBS02

Tot Ion: 56 Resp: 36539

Ion Ratio Lower Upper

56 100

55 72.6 54.7 82.1



#14

Allyl chloride

Concen: 20.48 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

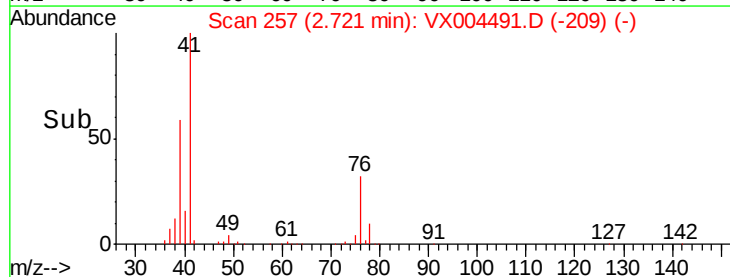
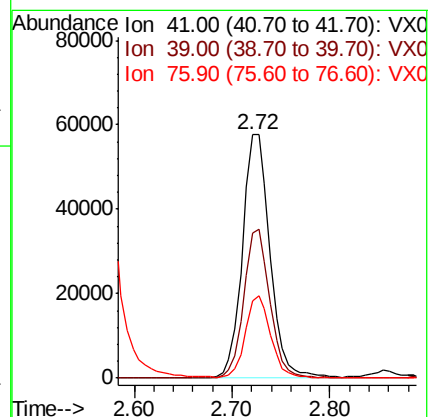
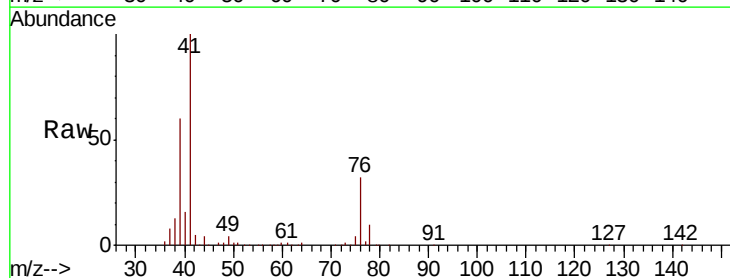
Tgt Ion: 41 Resp: 112769

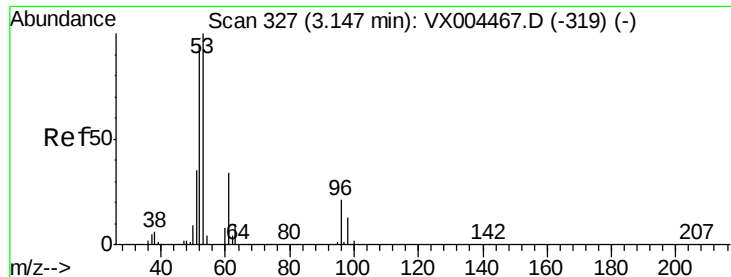
Ion Ratio Lower Upper

41 100

39 57.3 48.9 73.3

76 31.3 26.7 40.1





#15

Acrylonitrile

Concen: 106.41 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

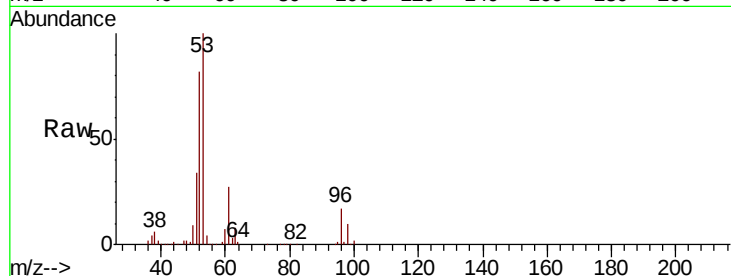
Tot Ion: 53 Resp: 202101

Ion Ratio Lower Upper

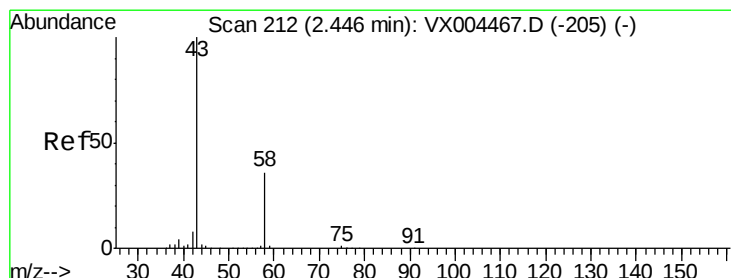
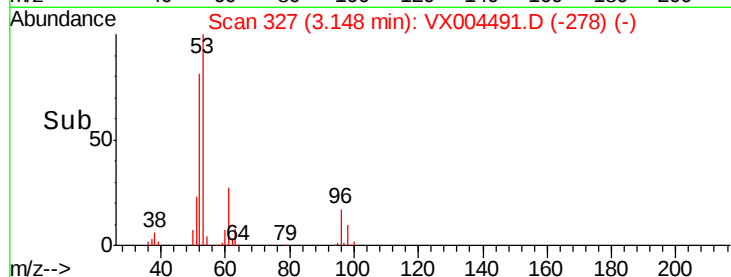
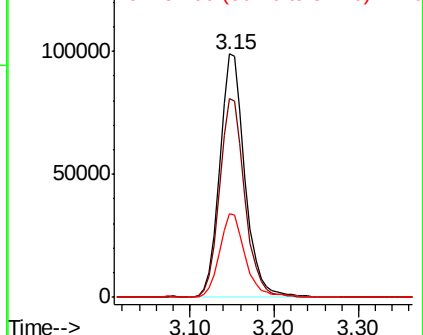
53 100

52 82.5 65.2 97.8

51 35.1 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: 101.37 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004491.D

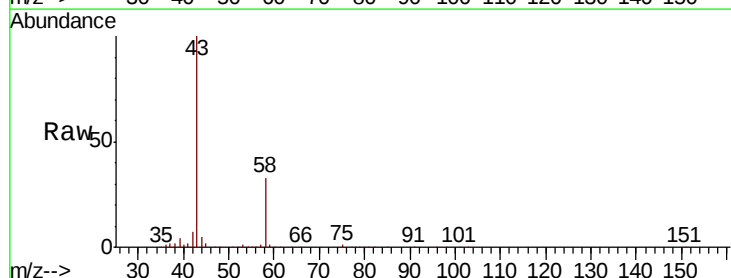
Acq: 12 Sep 2018 13:40

Tgt Ion: 43 Resp: 163537

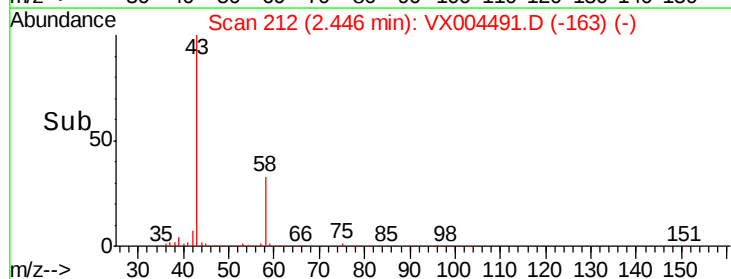
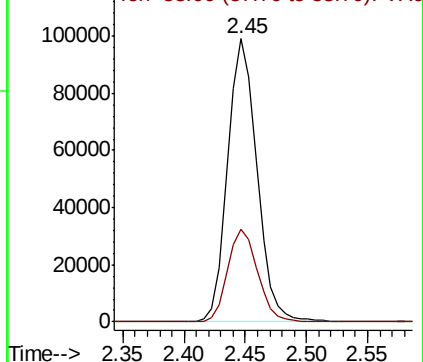
Ion Ratio Lower Upper

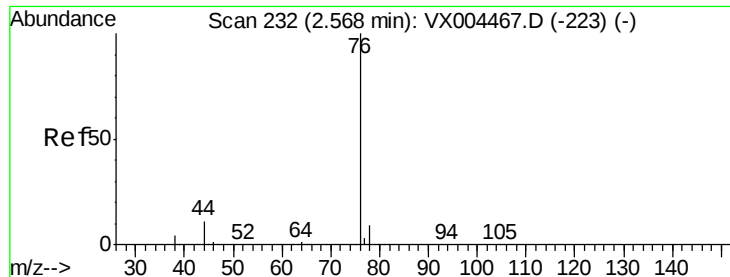
43 100

58 32.6 26.2 39.4



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

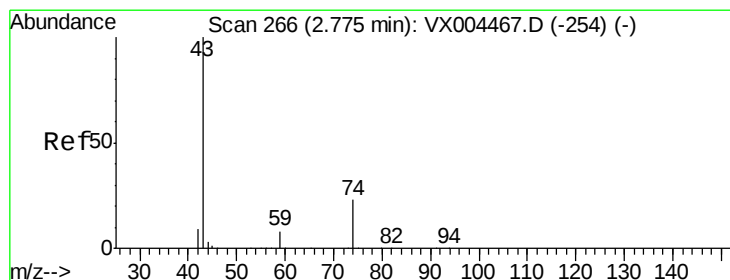
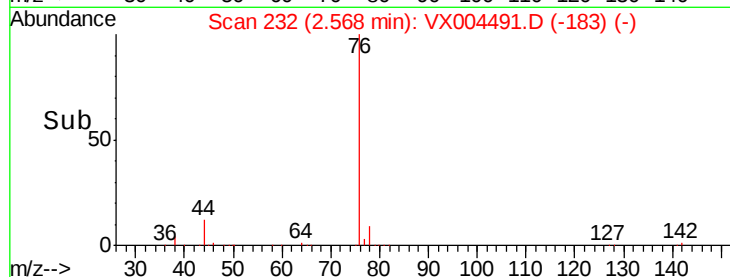
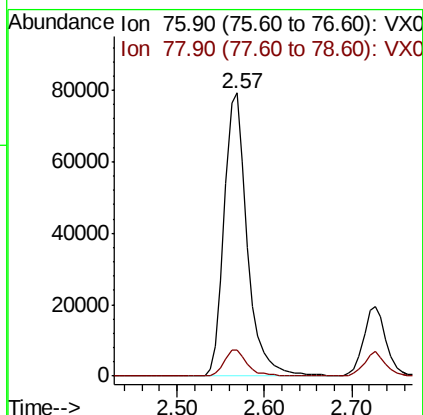
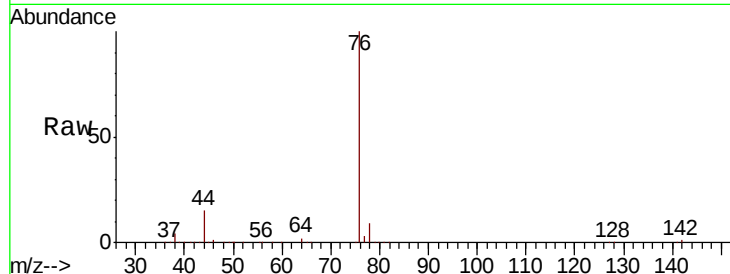




#17
Carbon Disulfide
Concen: 18.76 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

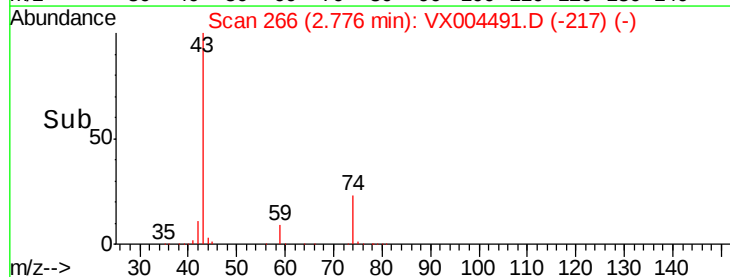
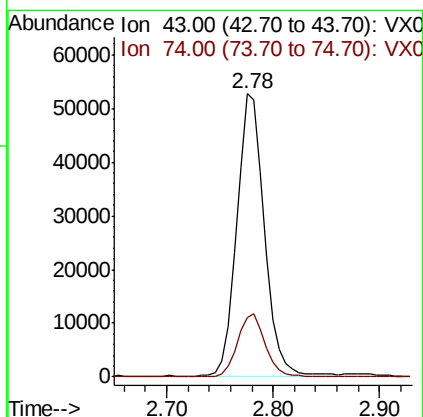
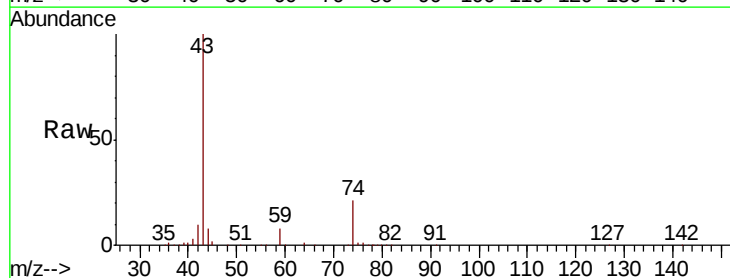
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

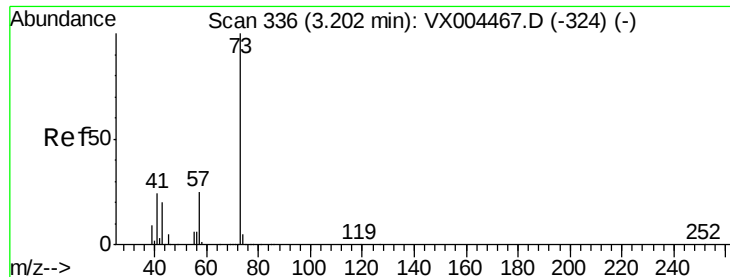
Tot Ion: 76 Resp: 145244
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.6



#18
Methyl Acetate
Concen: 21.12 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Tgt Ion: 43 Resp: 95598
Ion Ratio Lower Upper
43 100
74 22.4 19.4 29.2



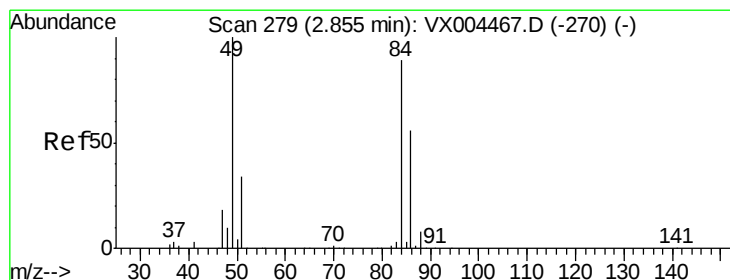
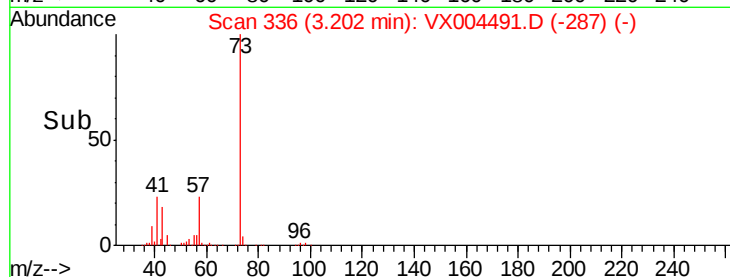
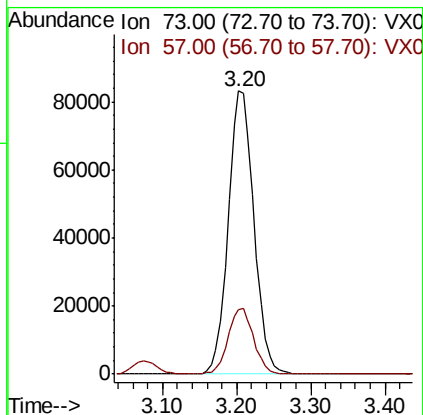
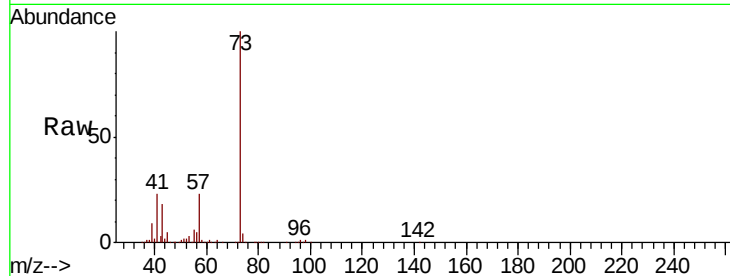


#19

Methyl tert-butyl Ether
 Concen: 21.32 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

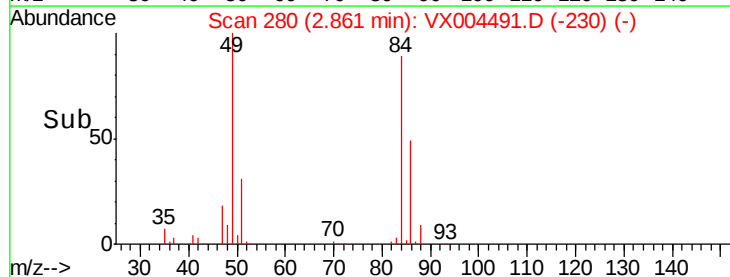
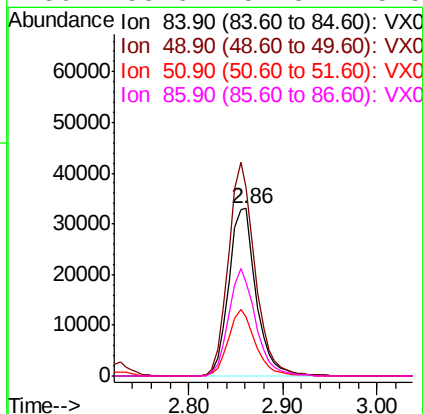
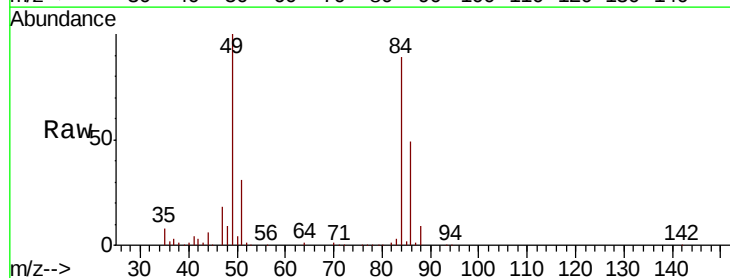
Tot Ion: 73 Resp: 200326
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.1 25.7

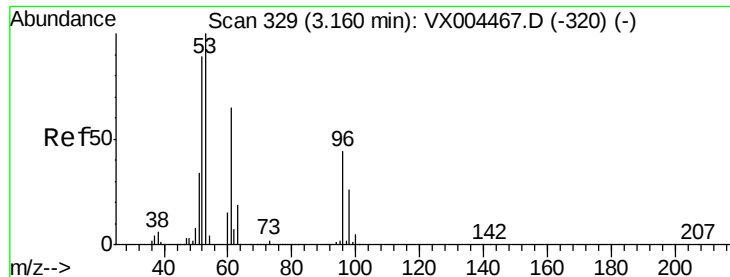


#20

Methylene Chloride
 Concen: 20.20 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion: 84 Resp: 66856
 Ion Ratio Lower Upper
 84 100
 49 112.5 101.2 151.8
 51 34.9 29.5 44.3
 86 55.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.16 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

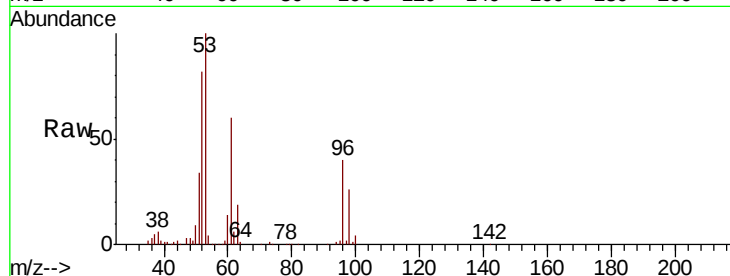
Tot Ion: 96 Resp: 59654

Ion Ratio Lower Upper

96 100

61 149.5 113.8 170.6

98 65.9 51.8 77.8

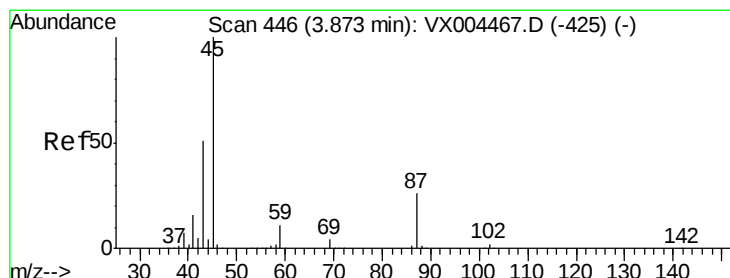
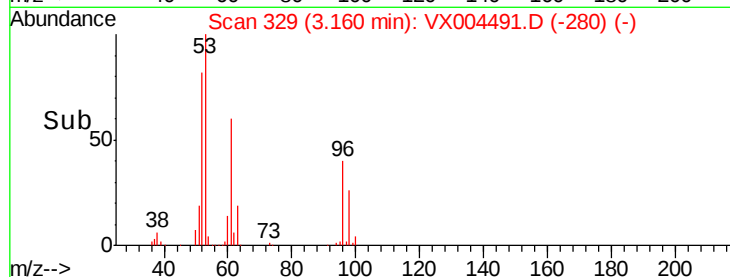
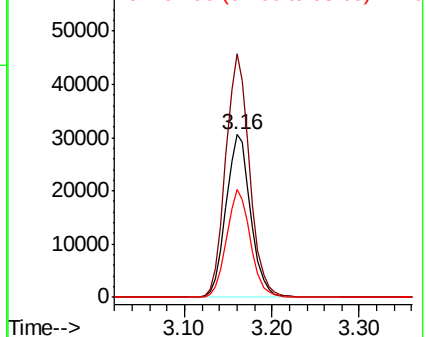


Abundance

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: 20.19 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Tgt Ion: 45 Resp: 200193

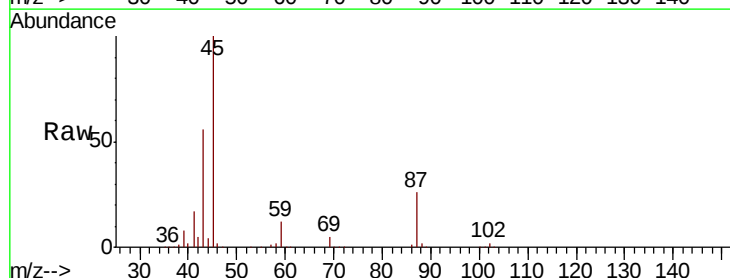
Ion Ratio Lower Upper

45 100

43 56.3 42.8 64.2

87 25.8 22.6 34.0

59 12.5 9.6 14.4



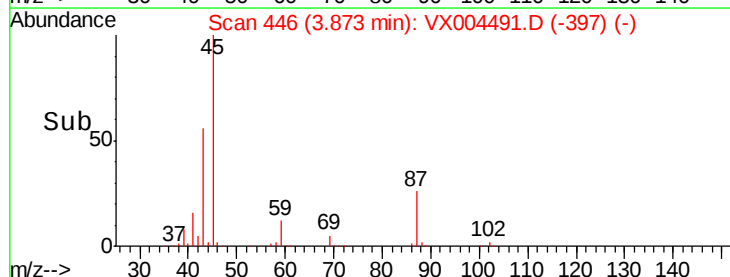
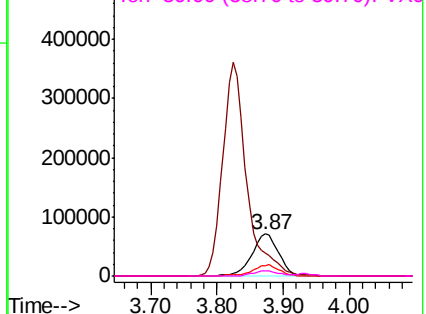
Abundance

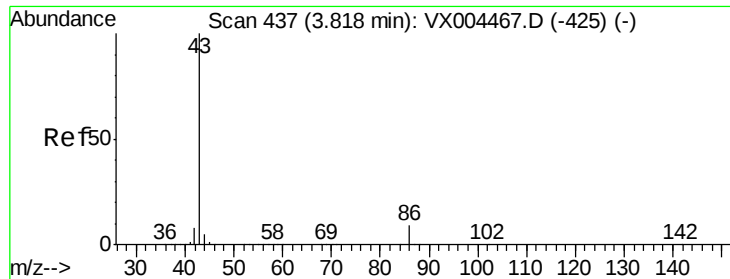
Ion 45.00 (44.70 to 45.70): VX0

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: 113.16 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

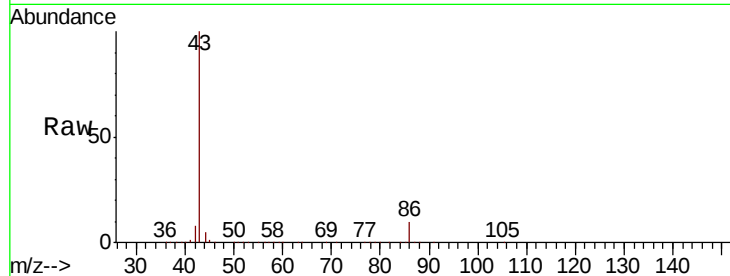
VX0912MBS02

Tot Ion: 43 Resp: 908197

Ion Ratio Lower Upper

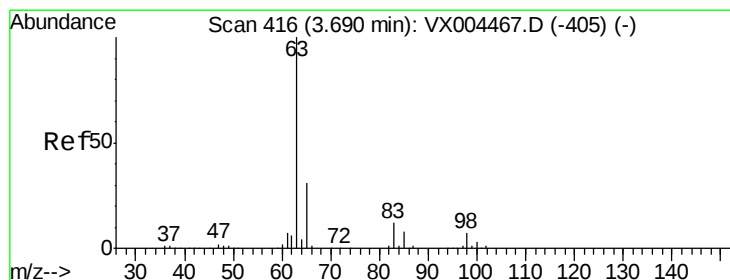
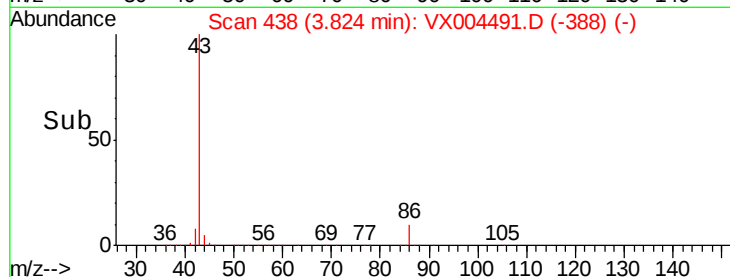
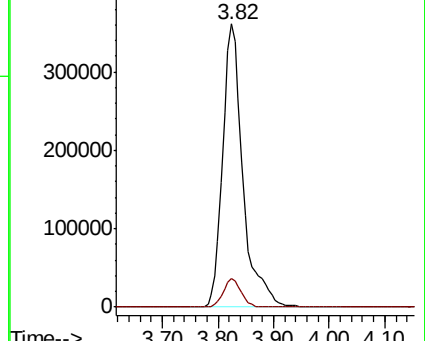
43 100

86 10.0 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.82 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

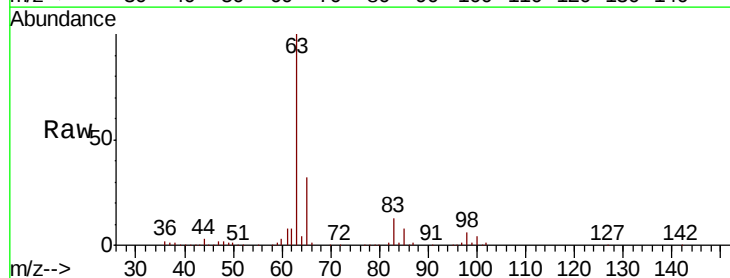
Tgt Ion: 63 Resp: 116587

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

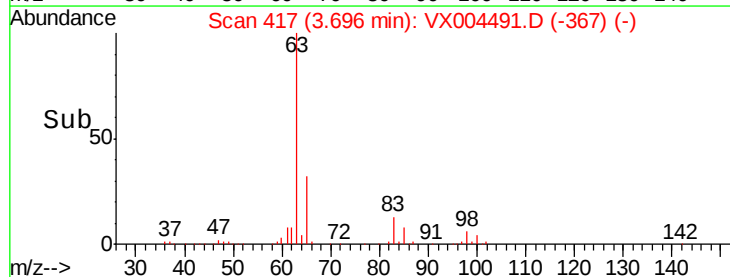
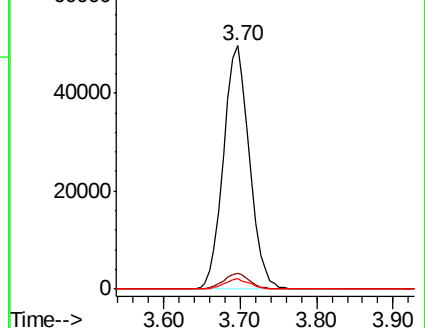
100 4.3 2.4 7.1

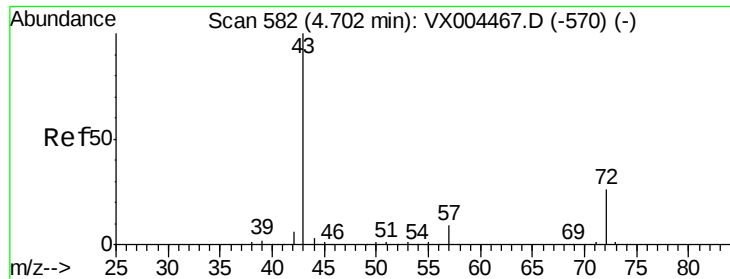


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 96.90 ug/l

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

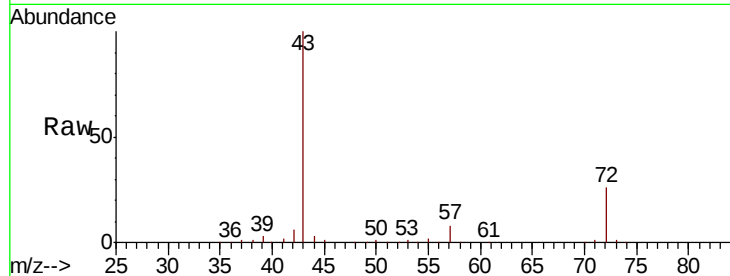
VX0912MBS02

Tot Ion: 43 Resp: 248798

Ion Ratio Lower Upper

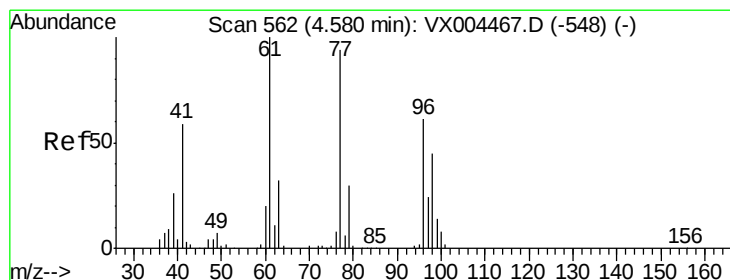
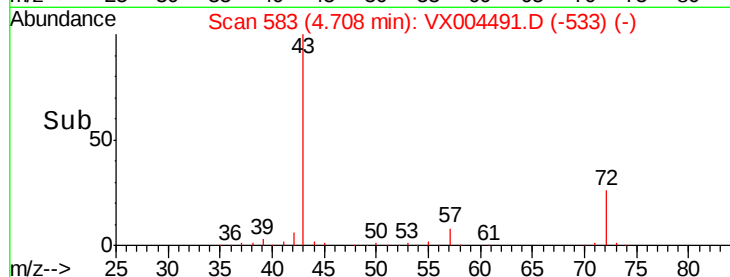
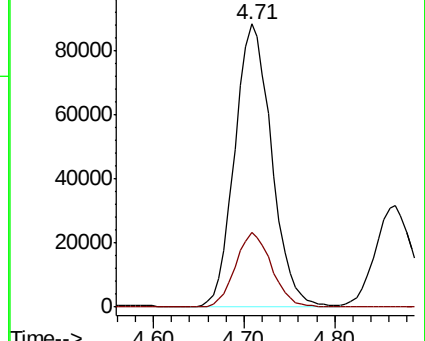
43 100

72 26.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.40 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004491.D

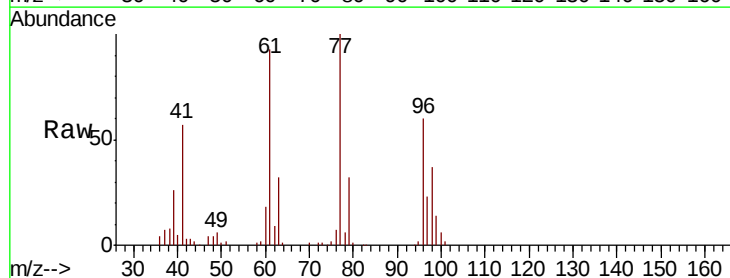
Acq: 12 Sep 2018 13:40

Tgt Ion: 77 Resp: 78441

Ion Ratio Lower Upper

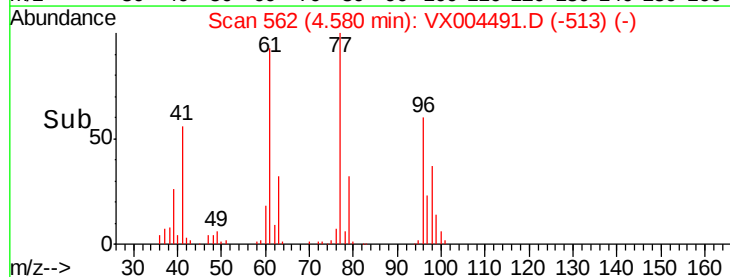
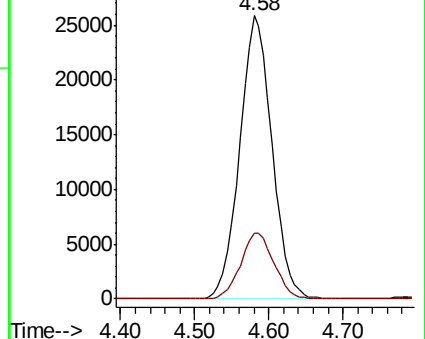
77 100

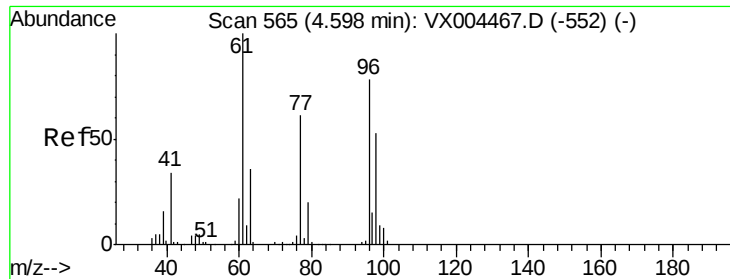
97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



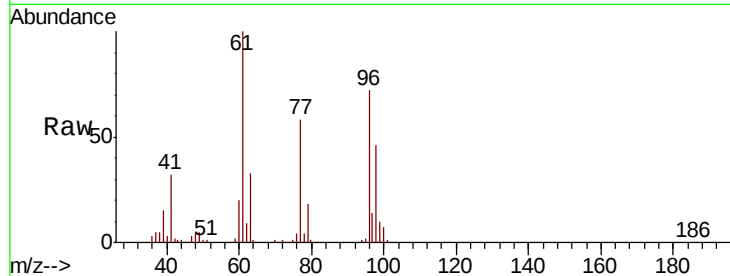


#27

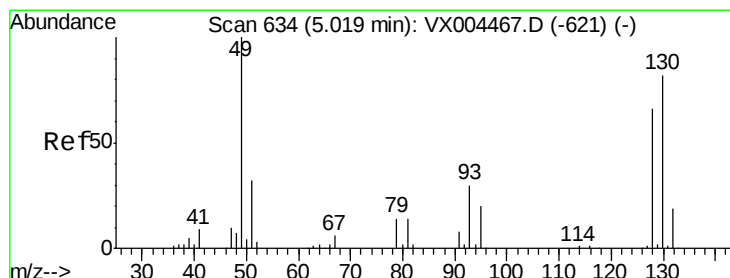
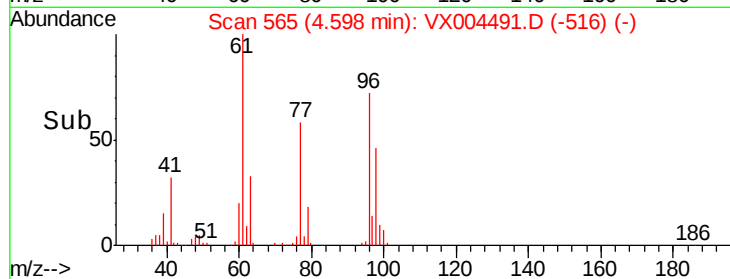
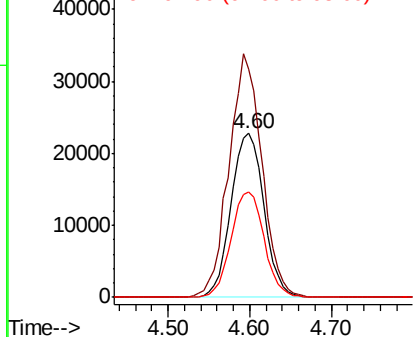
cis-1,2-Dichloroethene
 Concen: 19.19 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

Tot Ion: 96 Resp: 63419
 Ion Ratio Lower Upper
 96 100
 61 148.8 0.0 282.6
 98 64.8 0.0 130.2



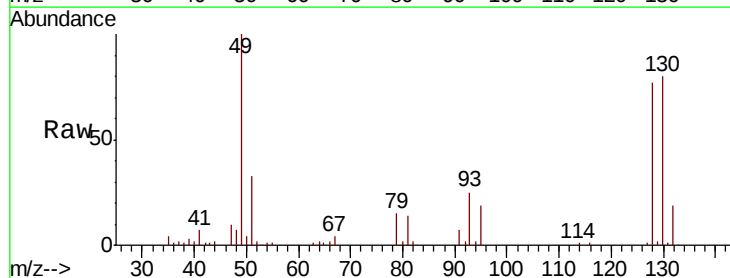
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



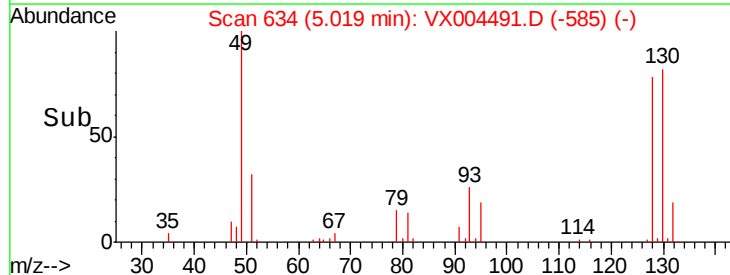
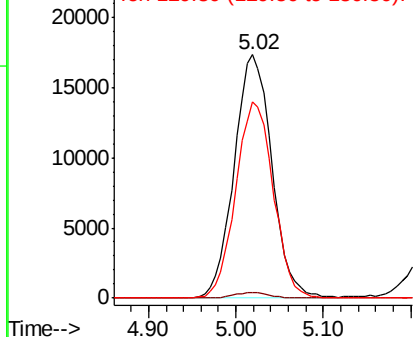
#28

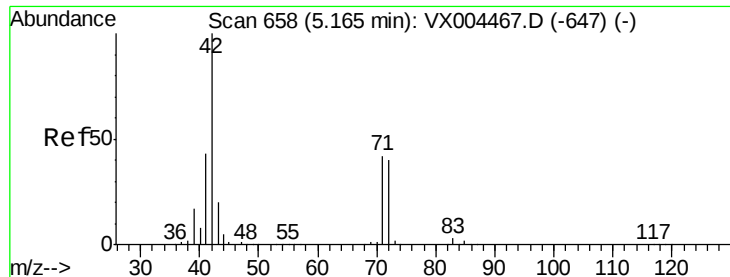
Bromochloromethane
 Concen: 20.34 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion: 49 Resp: 52106
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 80.1 67.5 101.3



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: 105.05 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

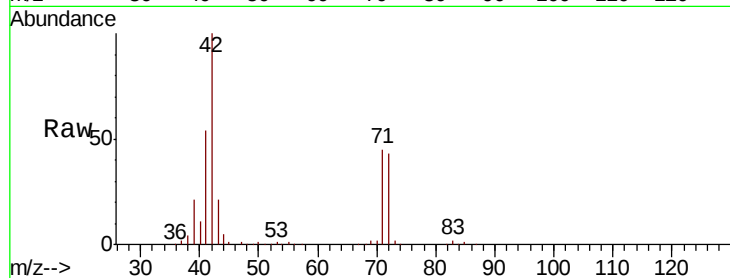
Tot Ion: 42 Resp: 162660

Ion Ratio Lower Upper

42 100

72 43.6 37.4 56.0

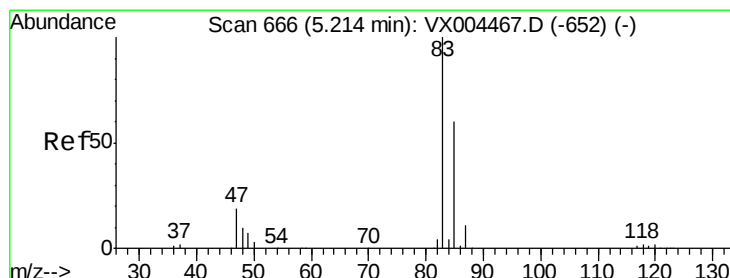
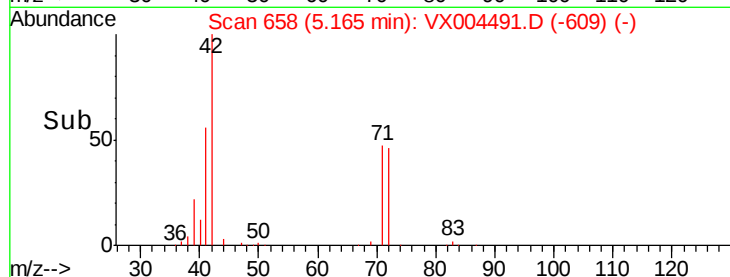
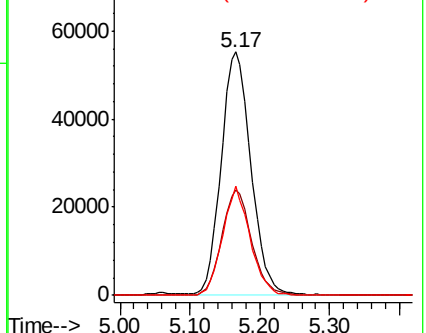
71 41.5 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 19.10 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004491.D

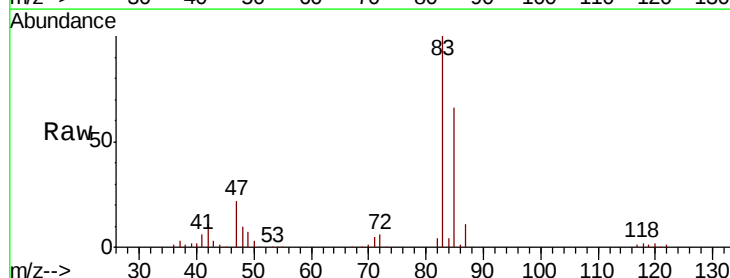
Acq: 12 Sep 2018 13:40

Tgt Ion: 83 Resp: 104425

Ion Ratio Lower Upper

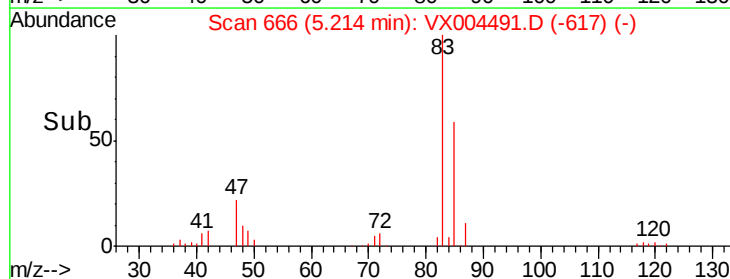
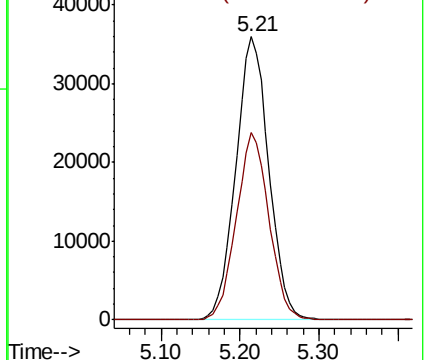
83 100

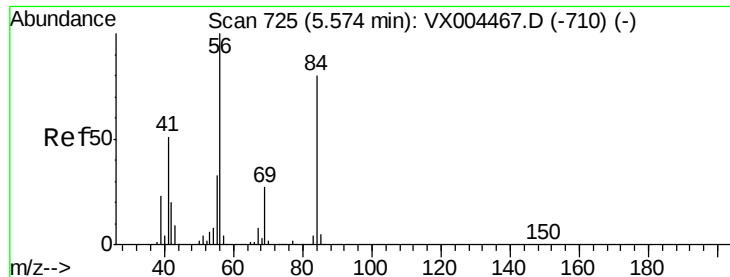
85 66.3 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 20.24 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

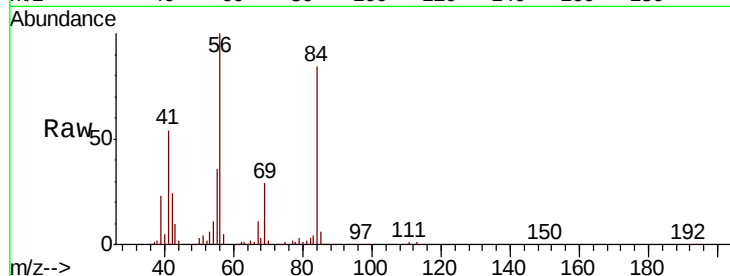
Tot Ion: 56 Resp: 96760

Ion Ratio Lower Upper

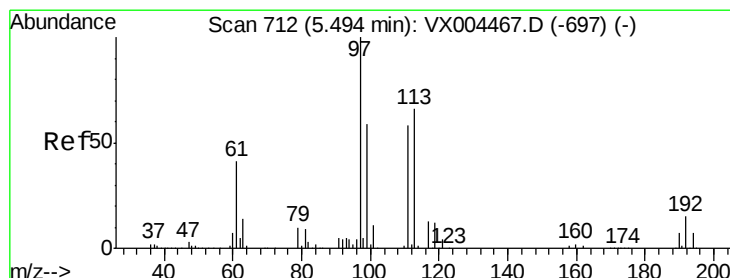
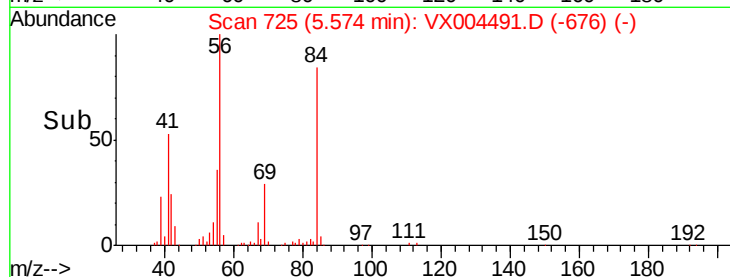
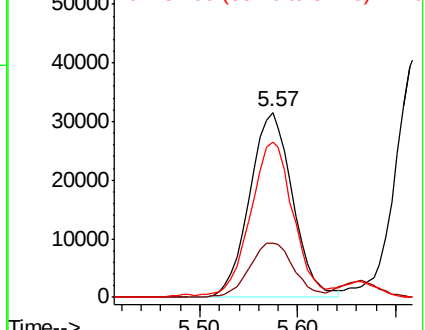
56 100

69 29.3 25.4 38.2

84 82.7 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 19.67 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

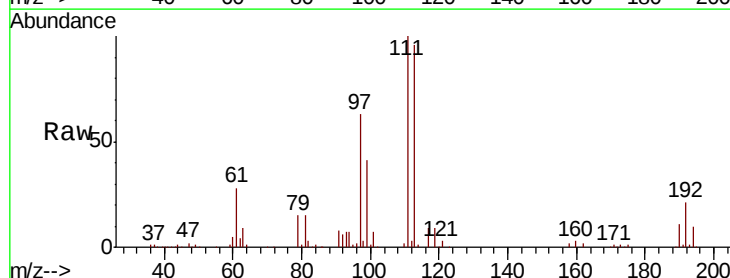
Tgt Ion: 97 Resp: 86608

Ion Ratio Lower Upper

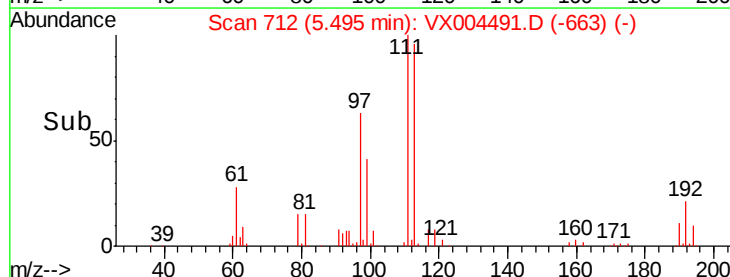
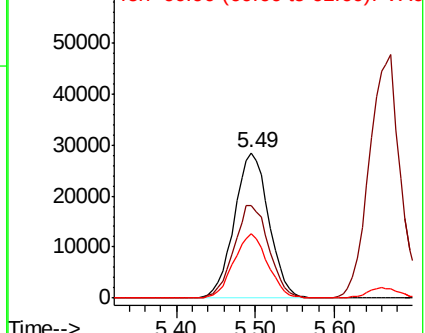
97 100

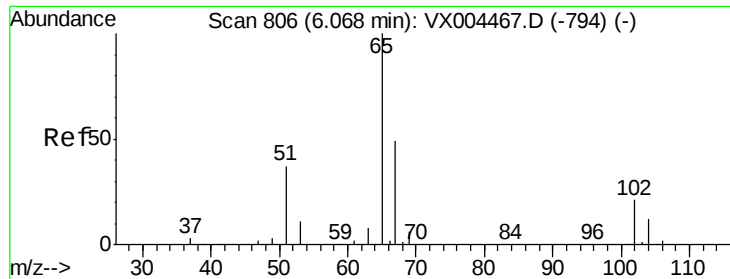
99 64.5 52.0 78.0

61 43.6 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.93 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

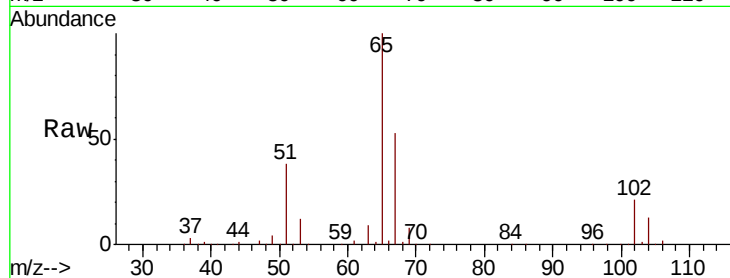
VX0912MBS02

Tot Ion: 65 Resp: 168323

Ion Ratio Lower Upper

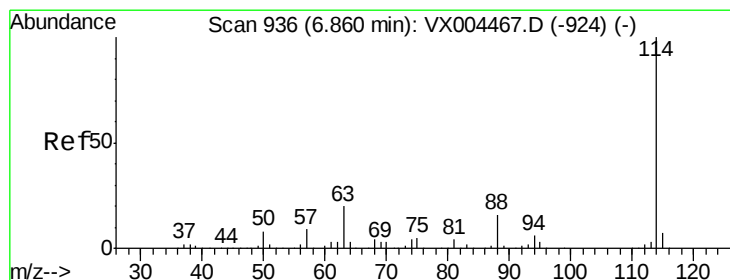
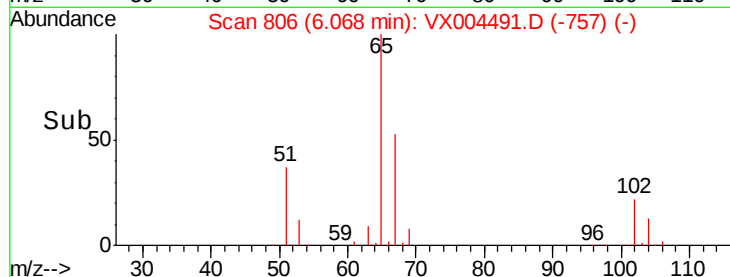
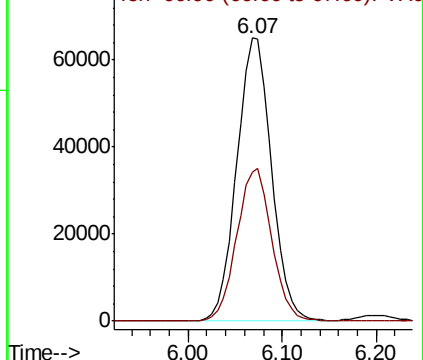
65 100

67 54.3 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

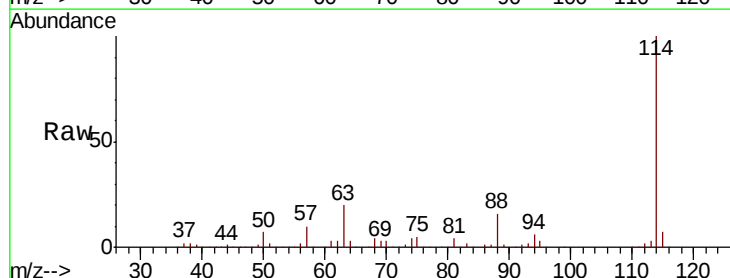
Tgt Ion: 114 Resp: 364039

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.0

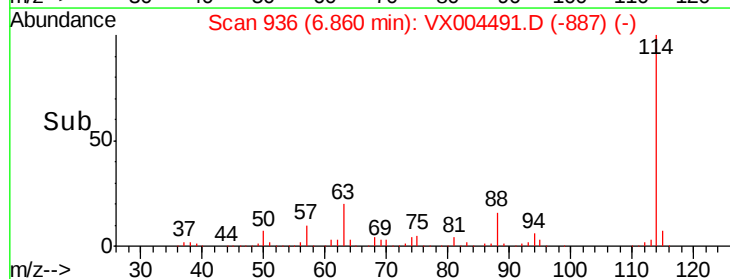
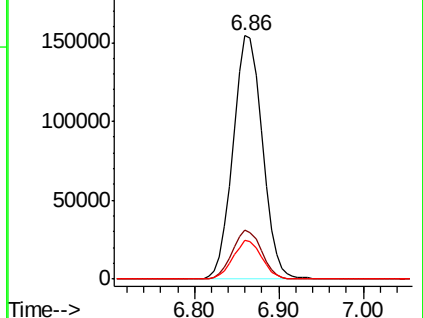
88 16.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

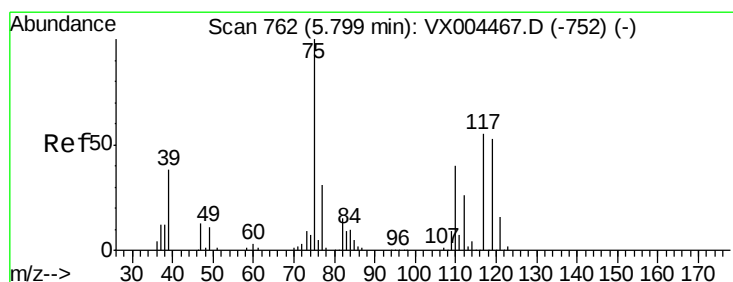
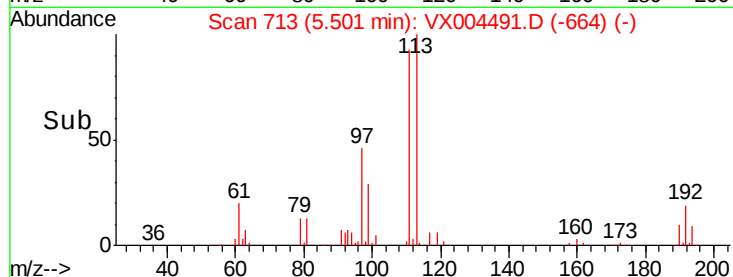
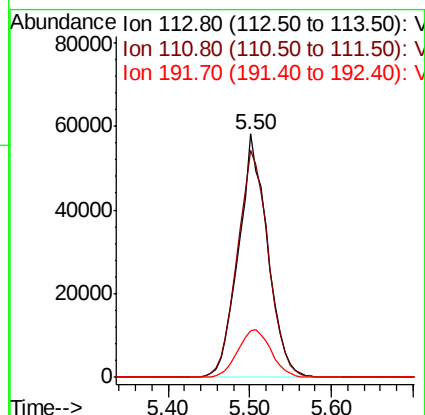
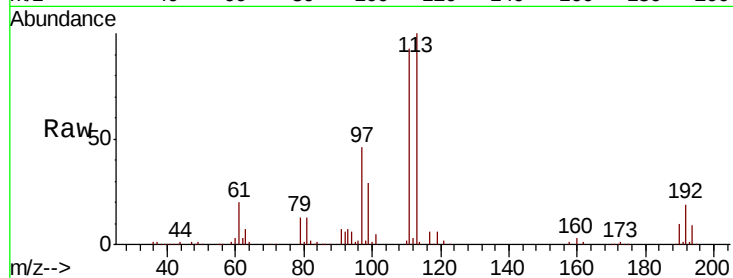




#35
 Dibromofluoromethane
 Concen: 42.93 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

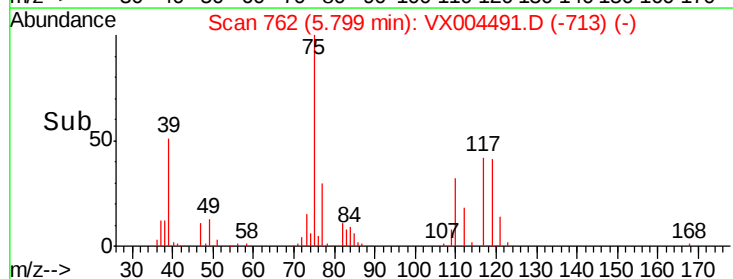
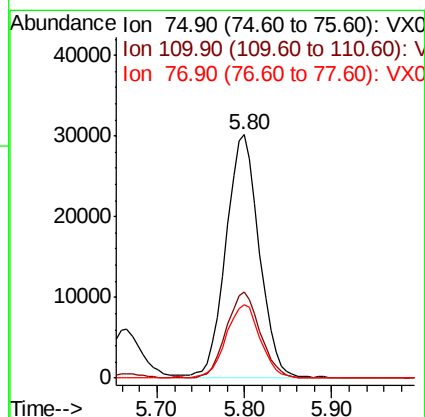
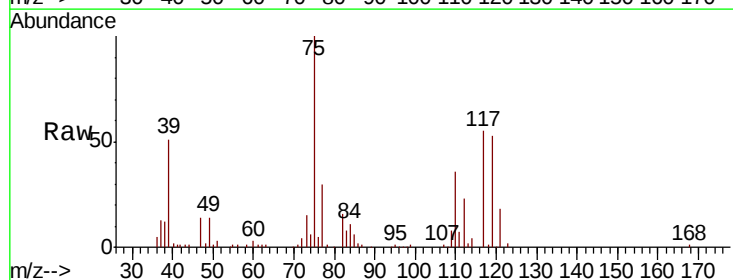
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

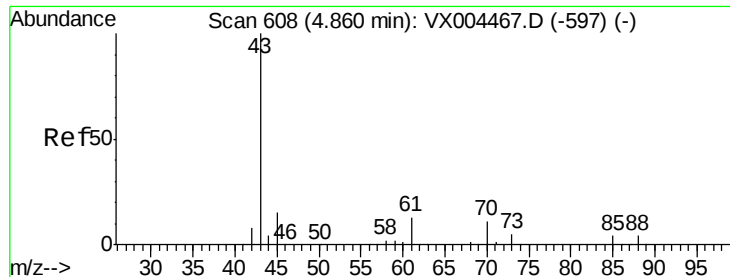
Tot Ion:113 Resp: 143007
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.4 123.6
 192 22.6 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 17.98 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion: 75 Resp: 79470
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.0 54.0
 77 31.1 24.6 36.8





#37

Ethyl Acetate

Concen: 18.11 ug/l

RT: 4.87 min Scan# 609

Delta R.T. 0.01 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

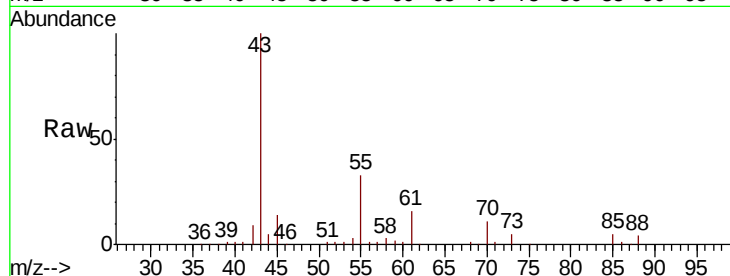
Tot Ion: 43 Resp: 91011

Ion Ratio Lower Upper

43 100

61 15.2 11.5 17.3

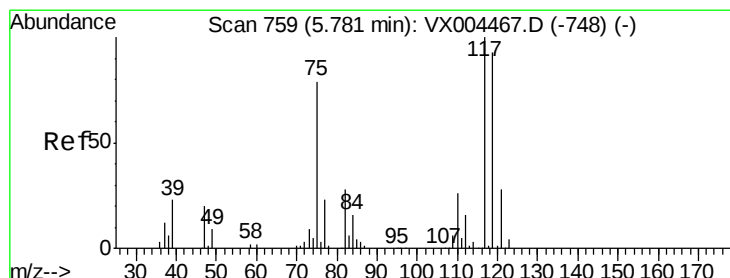
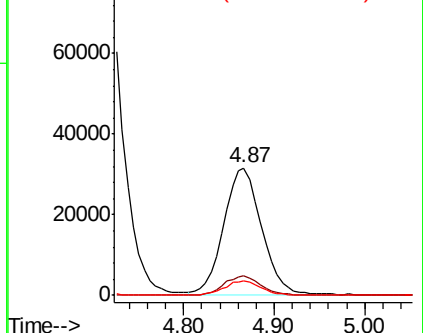
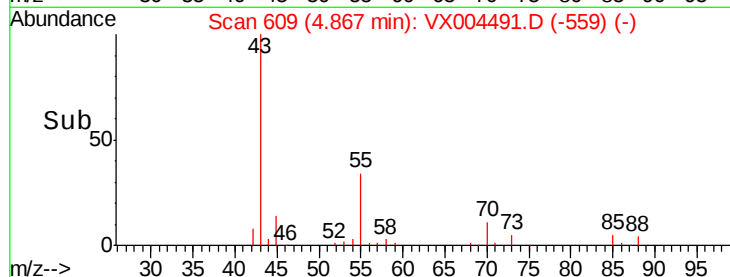
70 10.8 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 17.16 ug/l

RT: 5.78 min Scan# 759

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

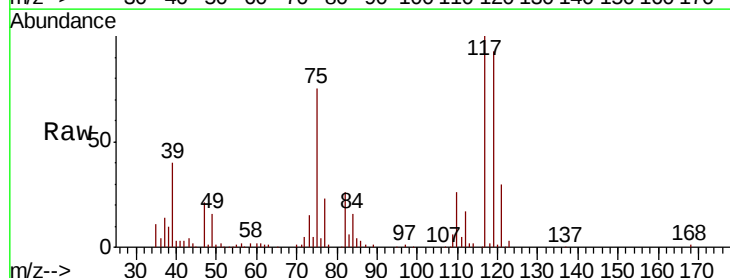
Tgt Ion: 117 Resp: 74065

Ion Ratio Lower Upper

117 100

119 92.8 78.8 118.2

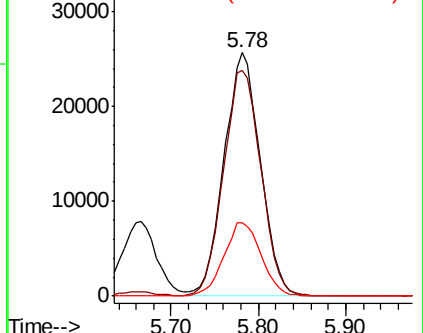
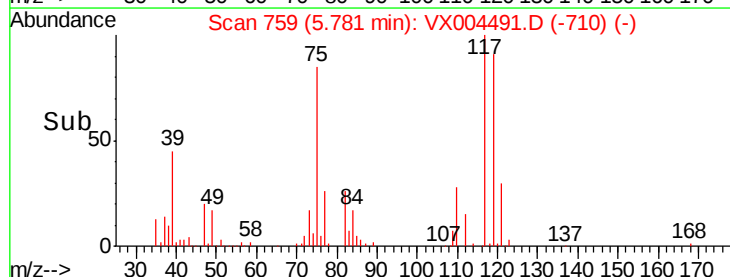
121 30.1 24.9 37.3

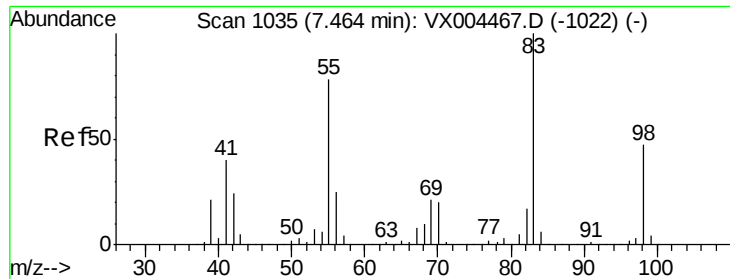


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

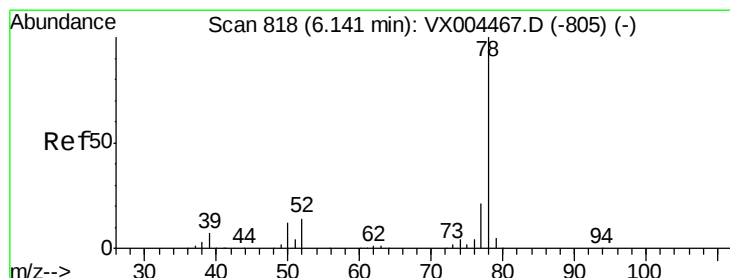
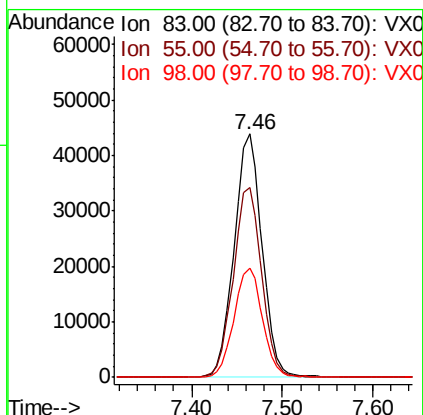
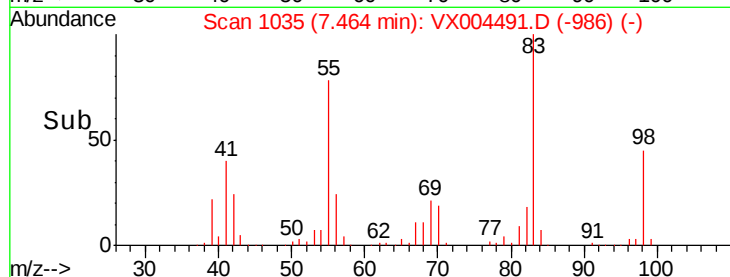
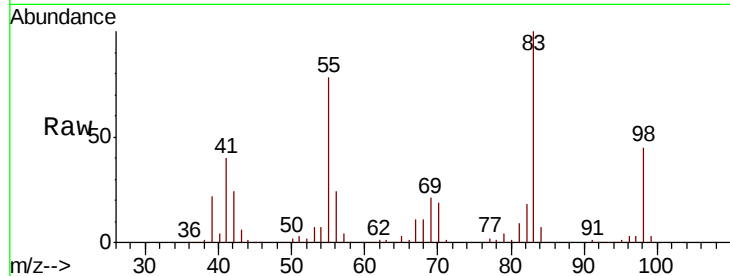




#39
Methylvlcvclohexane
Concen: 20.34 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

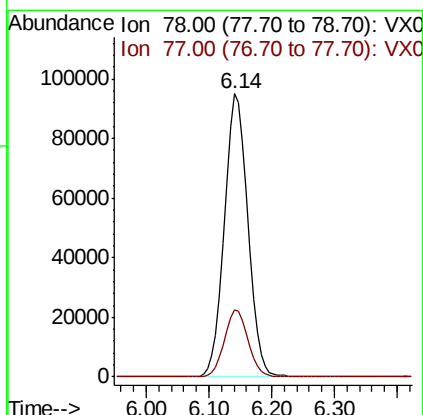
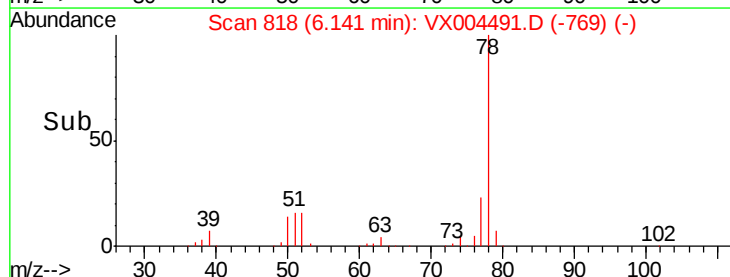
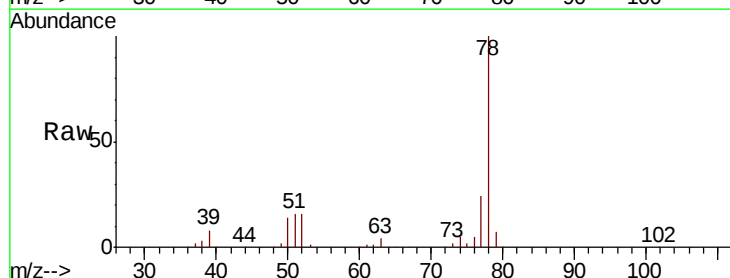
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

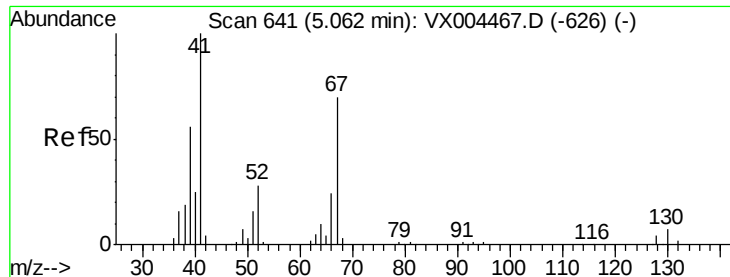
Tot Ion: 83 Resp: 93800
Ion Ratio Lower Upper
83 100
55 78.0 61.0 91.4
98 45.0 39.6 59.4



#40
Benzene
Concen: 18.85 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Tgt Ion: 78 Resp: 247226
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

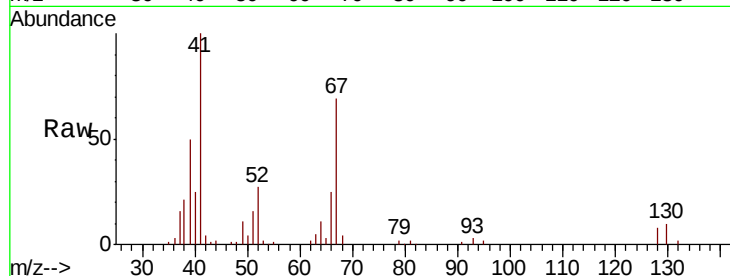




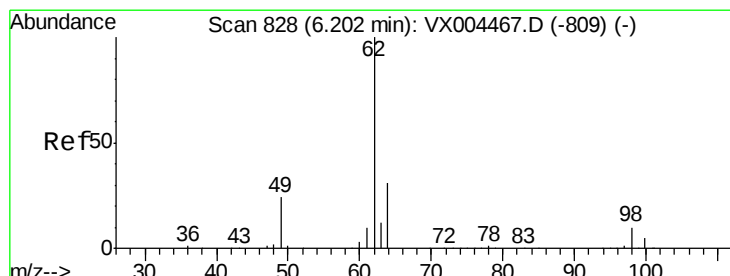
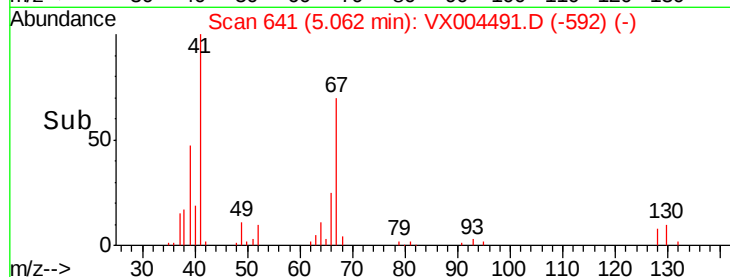
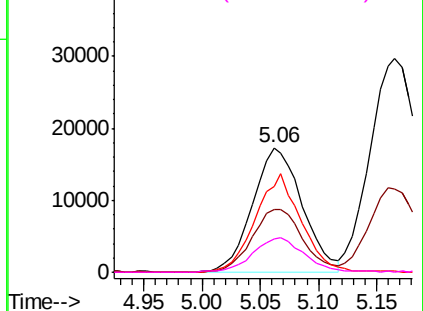
#41
Methacrylonitrile
Concen: 18.53 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

Tot Ion:	41	Resp:	51316
Ion	Ratio	Lower	Upper
41	100		
39	52.0	42.4	63.6
67	72.5	59.2	88.8
52	28.8	23.0	34.4

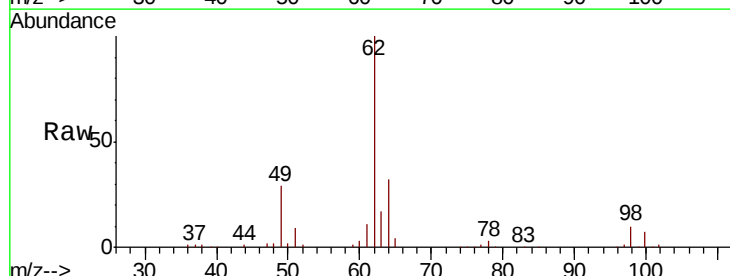


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

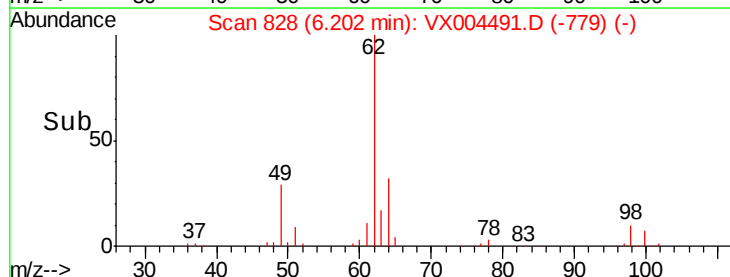
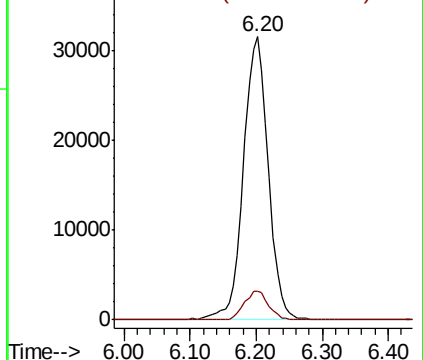


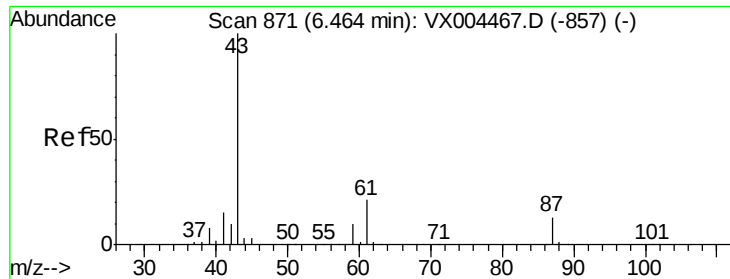
#42
1,2-Dichloroethane
Concen: 18.94 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Tgt Ion:	62	Resp:	82360
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



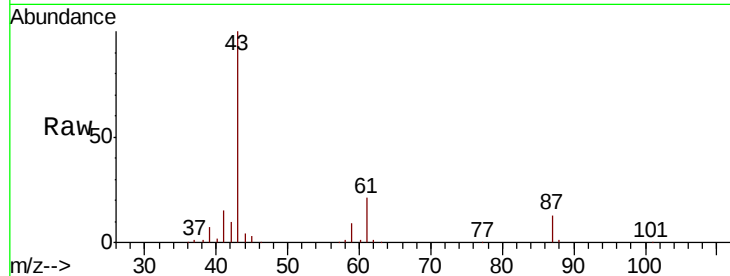


#43

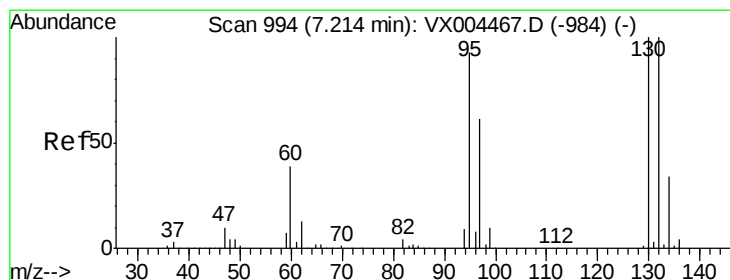
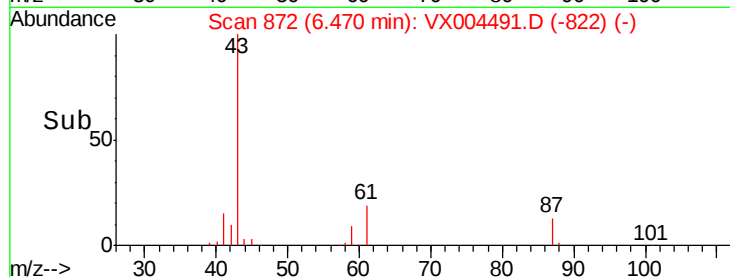
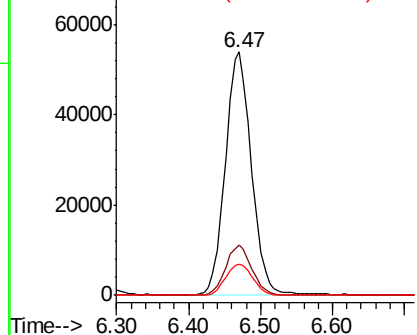
Isopropyl Acetate
 Concen: 20.32 ug/l
 RT: 6.47 min Scan# 872
 Delta R.T. 0.01 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

Tot Ion: 43 Resp: 135631
 Ion Ratio Lower Upper
 43 100
 61 20.7 17.0 25.4
 87 13.4 11.4 17.2



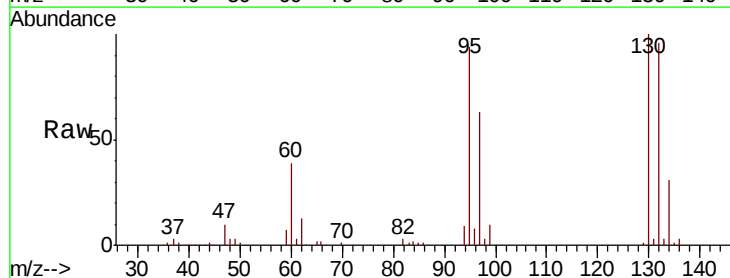
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



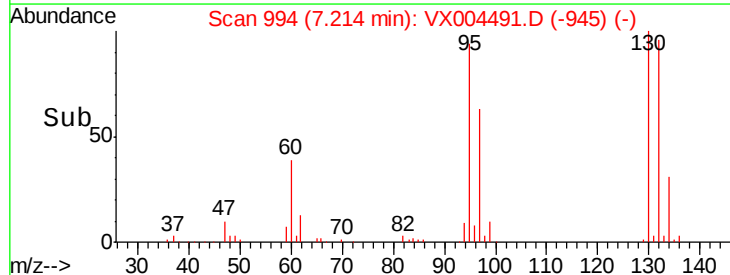
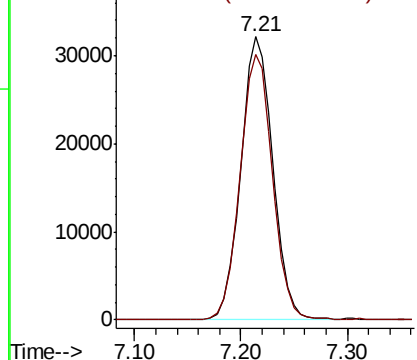
#44

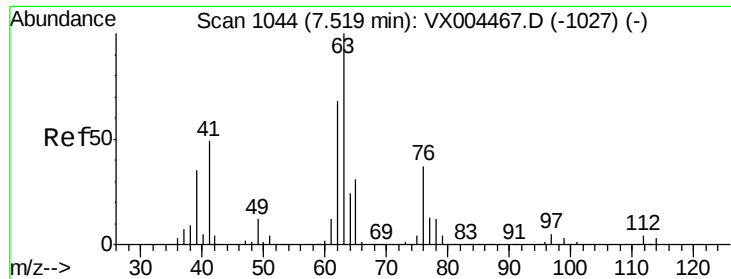
Trichloroethene
 Concen: 19.90 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion:130 Resp: 67795
 Ion Ratio Lower Upper
 130 100
 95 93.7 0.0 181.6



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





#45

1,2-Dichloropropane

Concen: 20.43 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

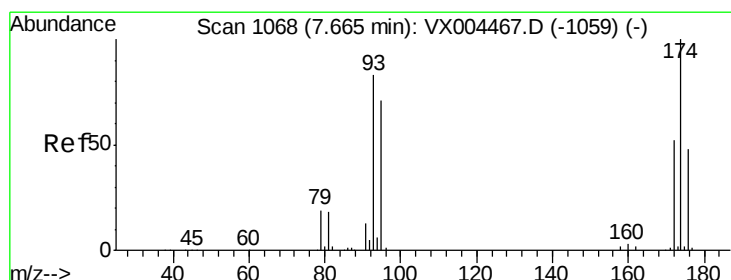
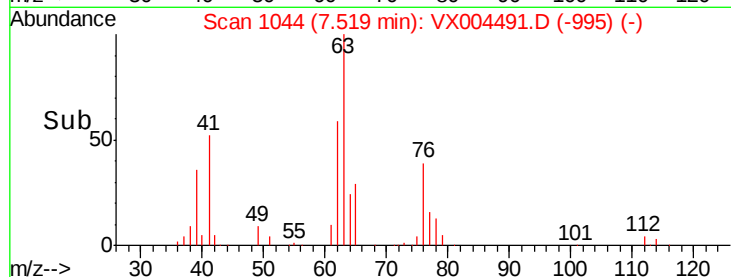
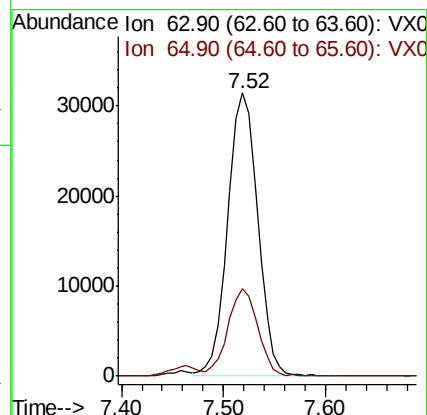
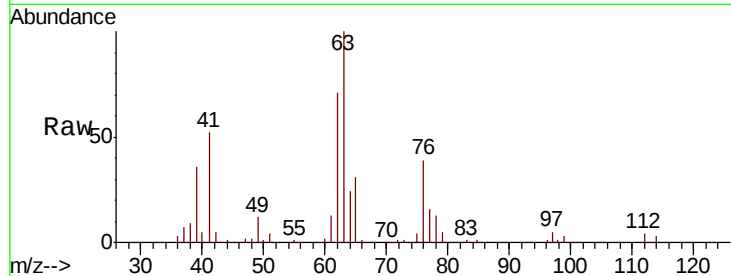
VX0912MBS02

Tot Ion: 63 Resp: 64460

Ion Ratio Lower Upper

63 100

65 31.0 24.3 36.5



#46

Dibromomethane

Concen: 20.00 ug/l

RT: 7.67 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

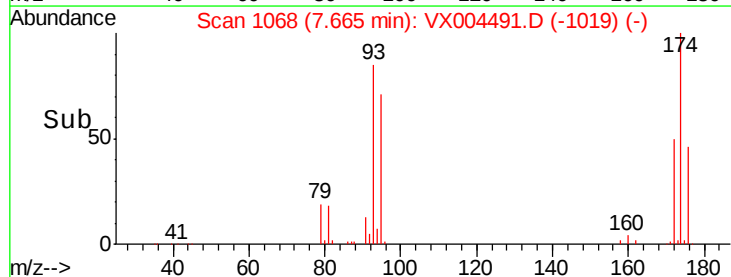
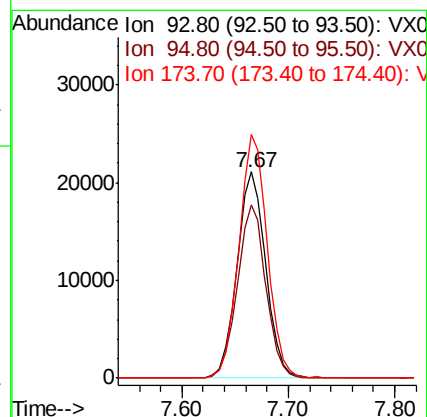
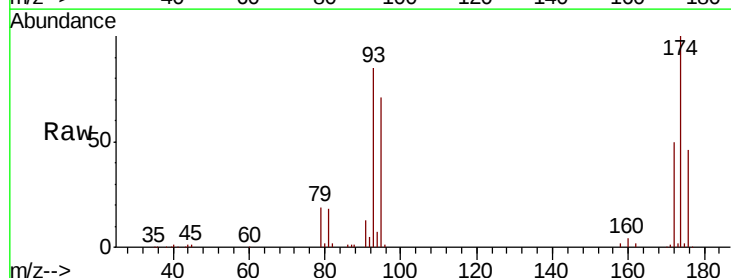
Tgt Ion: 93 Resp: 39863

Ion Ratio Lower Upper

93 100

95 83.6 65.5 98.3

174 117.1 94.2 141.4





#47

Bromodichloromethane

Concen: 19.19 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

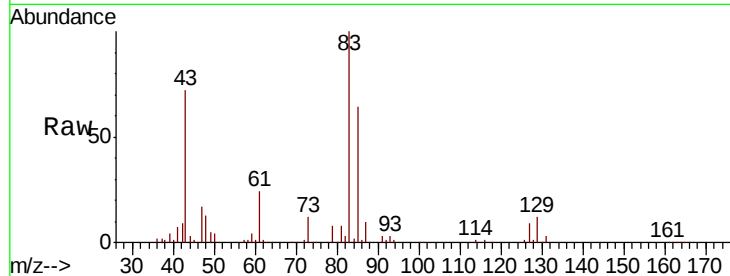
Tot Ion: 83 Resp: 72326

Ion Ratio Lower Upper

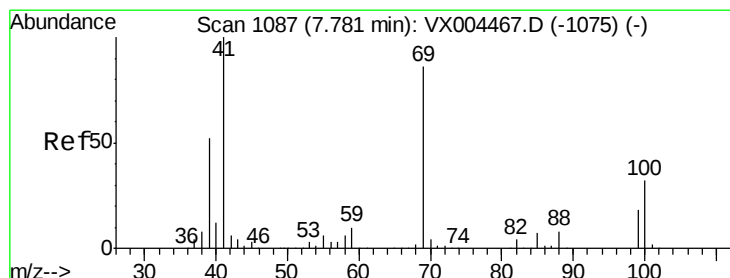
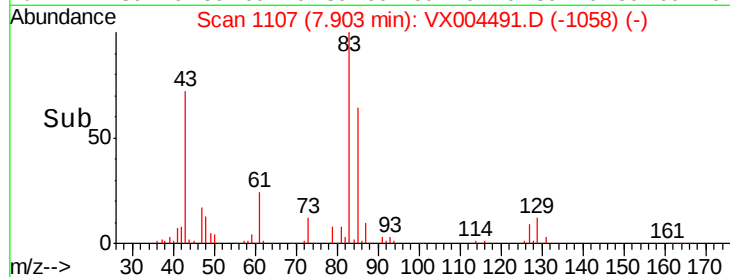
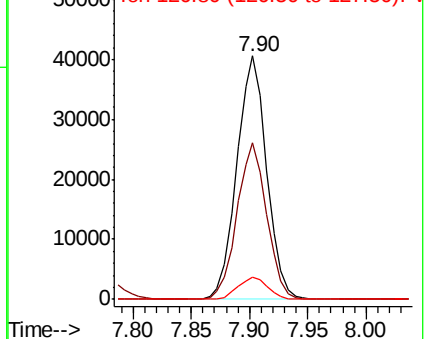
83 100

85 64.2 50.9 76.3

127 9.2 7.3 10.9



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: 21.04 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

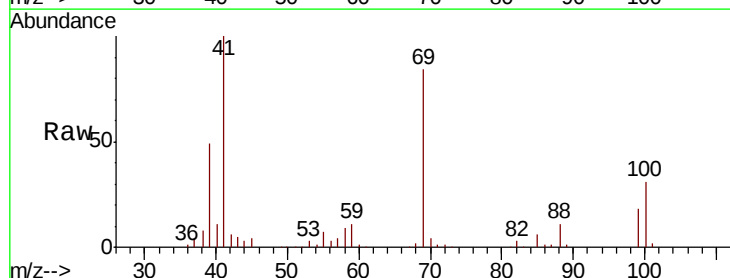
Tgt Ion: 41 Resp: 69528

Ion Ratio Lower Upper

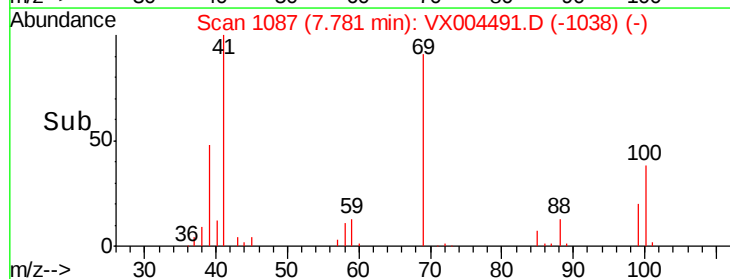
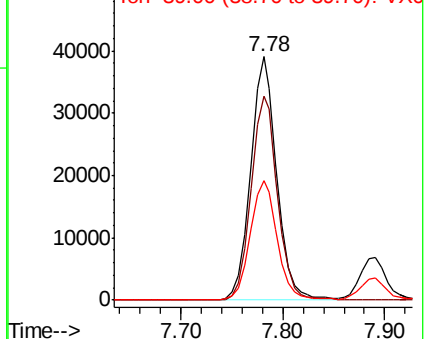
41 100

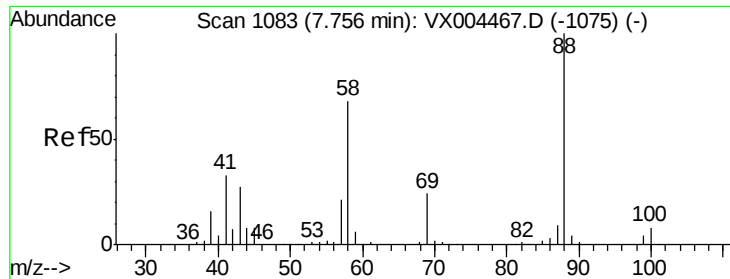
69 85.5 70.2 105.4

39 50.5 42.7 64.1



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

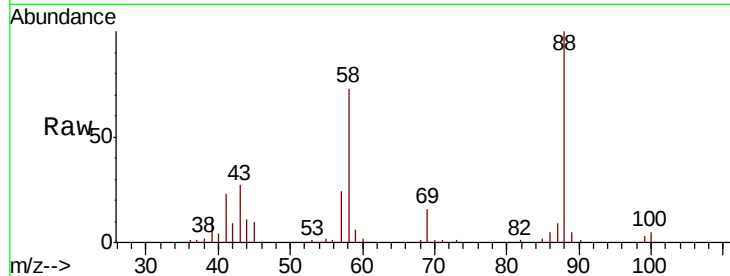




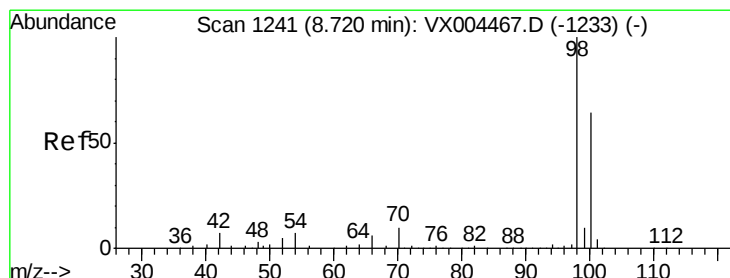
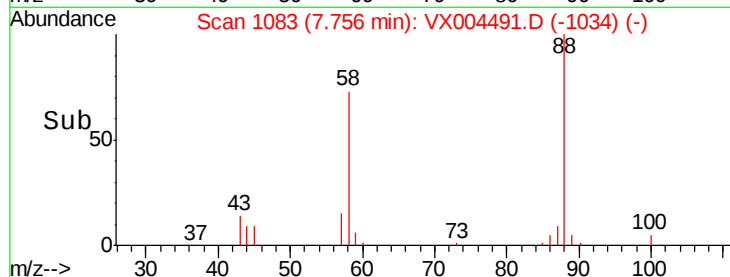
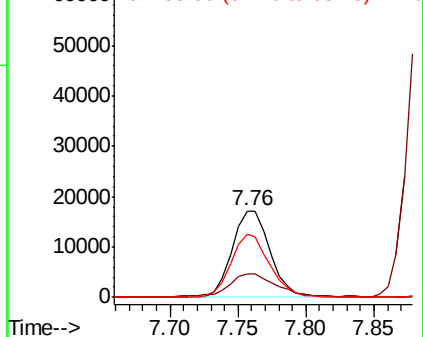
#49
1,4-Dioxane
Concen: 430.03 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

Tot Ion: 88 Resp: 33629
Ion Ratio Lower Upper
88 100
43 33.2 24.7 37.1
58 73.7 55.3 82.9

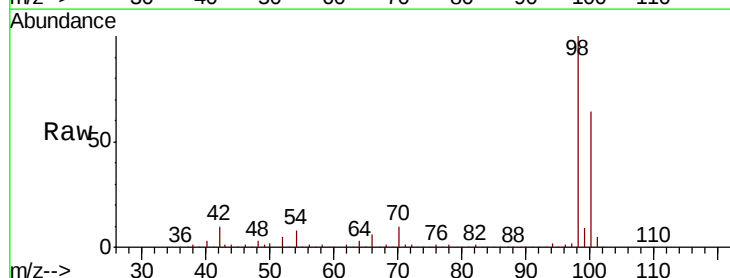


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

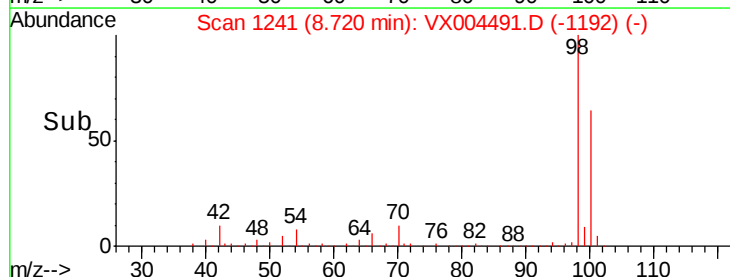
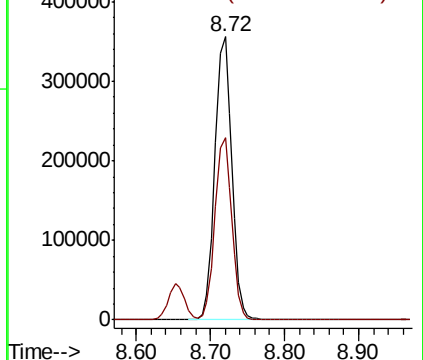


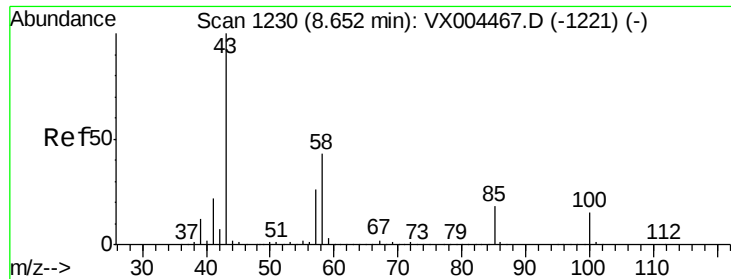
#50
Toluene-d8
Concen: 49.79 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Tgt Ion: 98 Resp: 556198
Ion Ratio Lower Upper
98 100
100 64.1 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 99.63 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

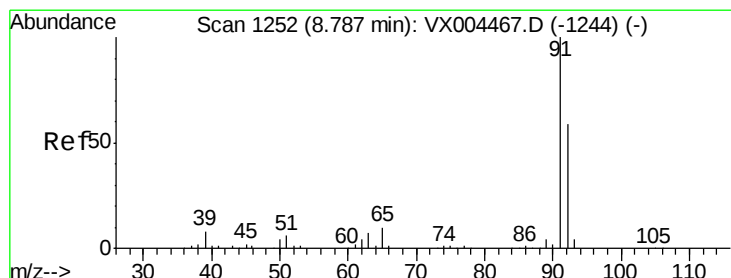
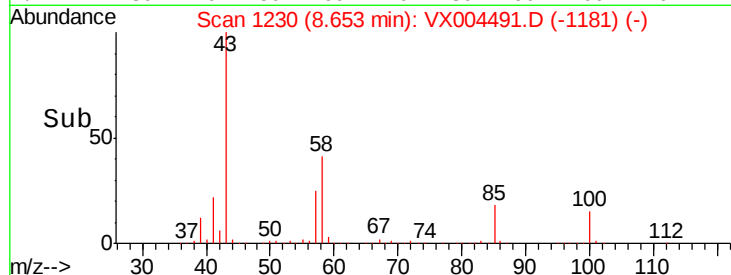
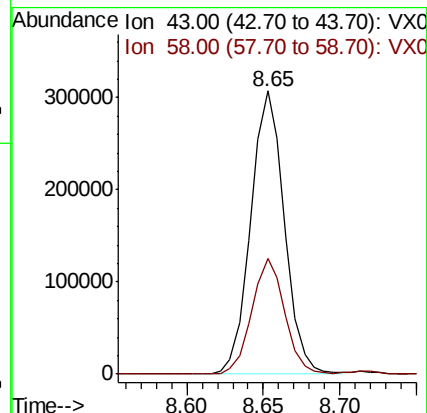
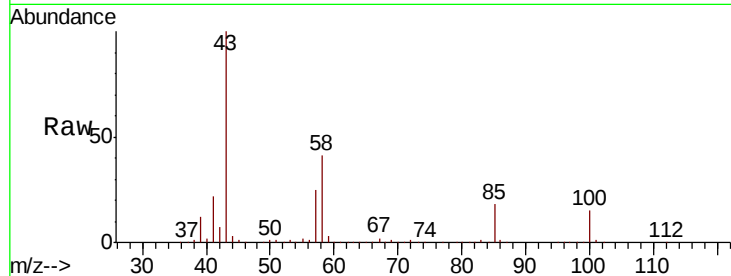
VX0912MBS02

Tot Ion: 43 Resp: 469389

Ion Ratio Lower Upper

43 100

58 40.0 33.1 49.7



#52

Toluene

Concen: 19.92 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004491.D

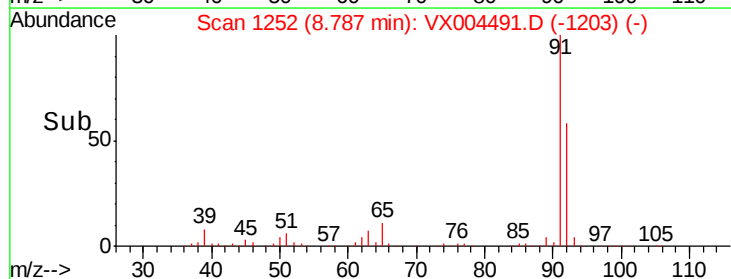
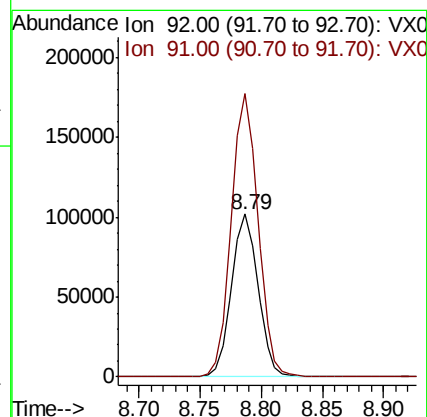
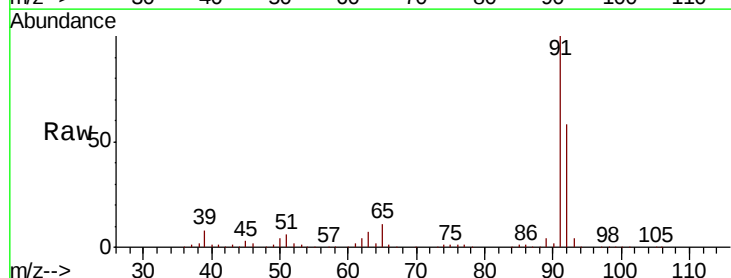
Acq: 12 Sep 2018 13:40

Tgt Ion: 92 Resp: 153923

Ion Ratio Lower Upper

92 100

91 174.3 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 18.70 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

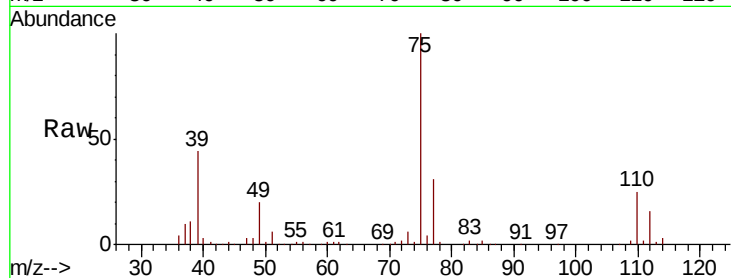
VX0912MBS02

Tot Ion: 75 Resp: 82367

Ion Ratio Lower Upper

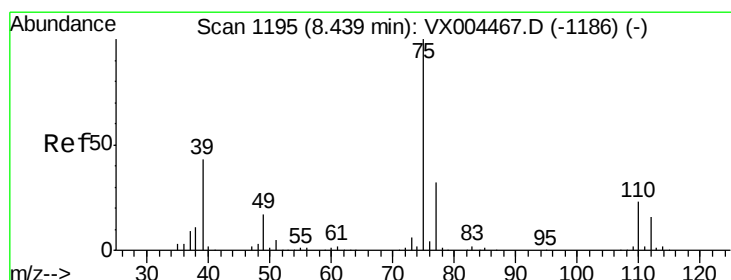
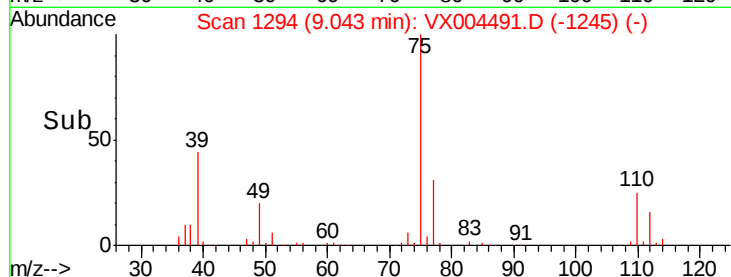
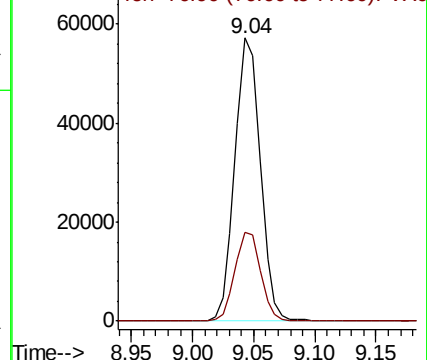
75 100

77 31.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 20.64 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

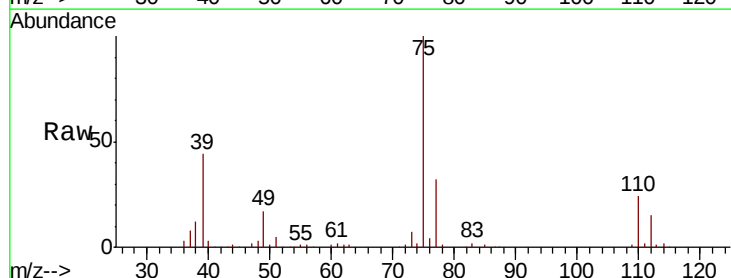
Tgt Ion: 75 Resp: 92656

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

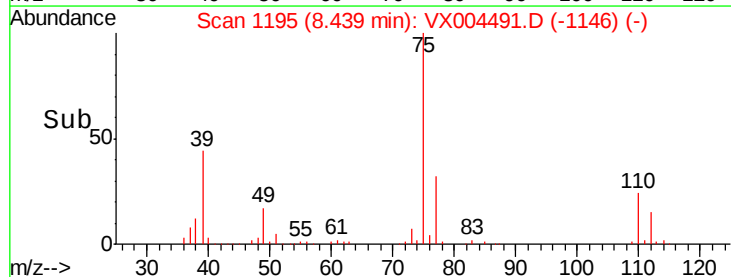
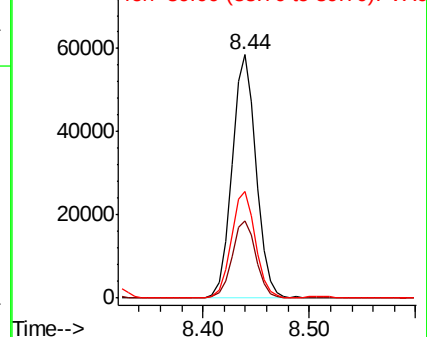
39 43.6 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#55

1,1,2-Trichloroethane

Concen: 18.61 ug/l

RT: 9.22 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

Tot Ion: 97 Resp: 61914

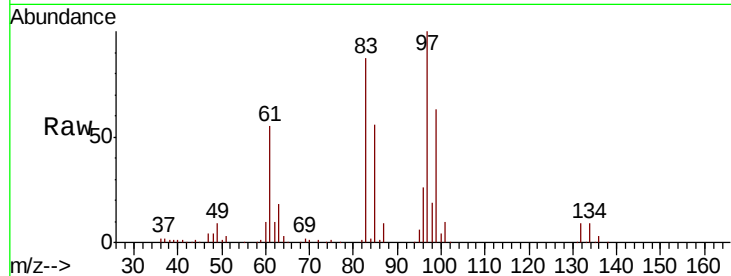
Ion Ratio Lower Upper

97 100

83 87.1 66.4 99.6

85 55.9 43.3 64.9

99 62.8 49.0 73.4



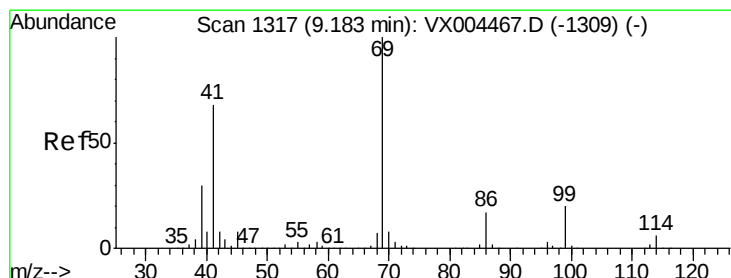
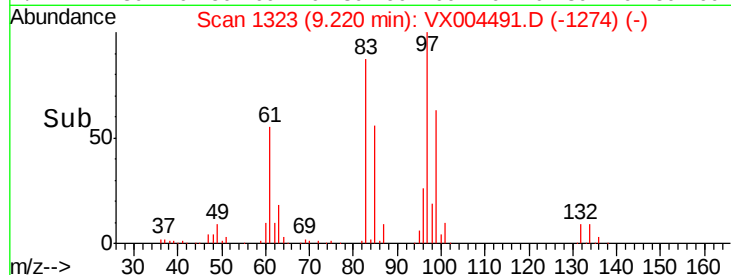
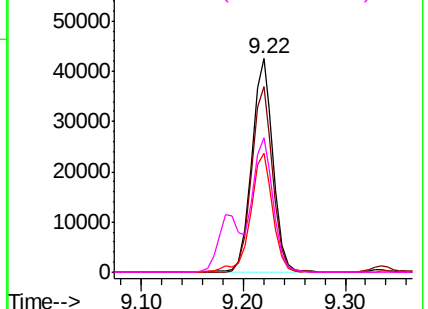
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.12 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

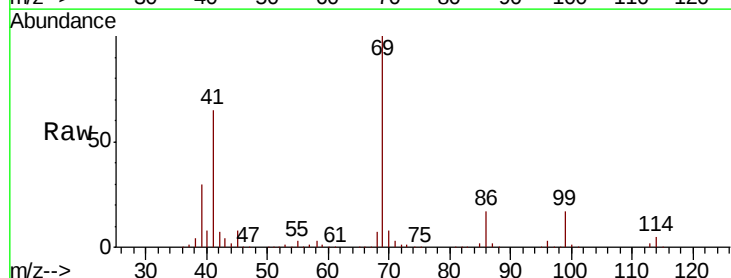
Tgt Ion: 69 Resp: 89982

Ion Ratio Lower Upper

69 100

41 66.2 51.0 76.4

39 30.9 26.1 39.1

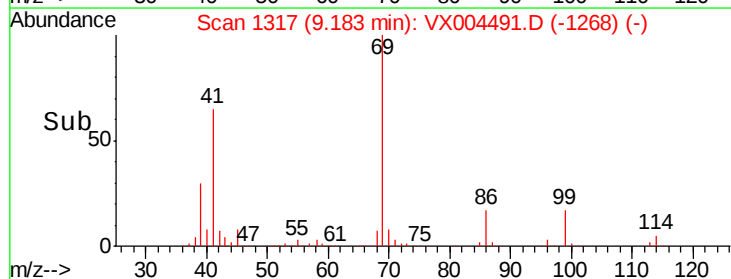
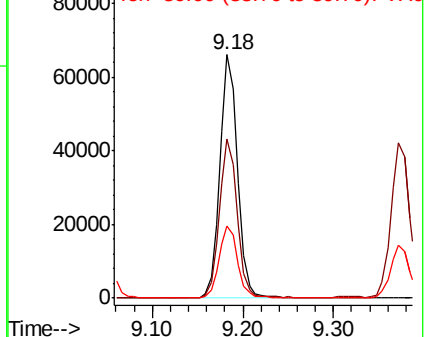


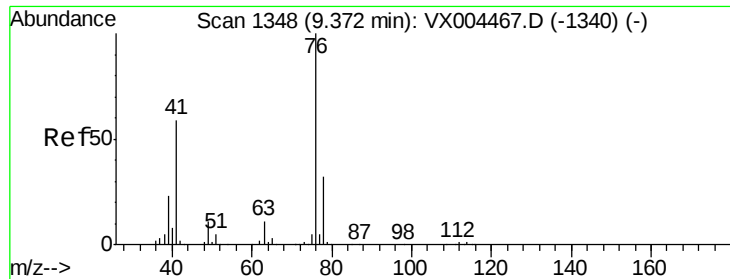
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.40 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

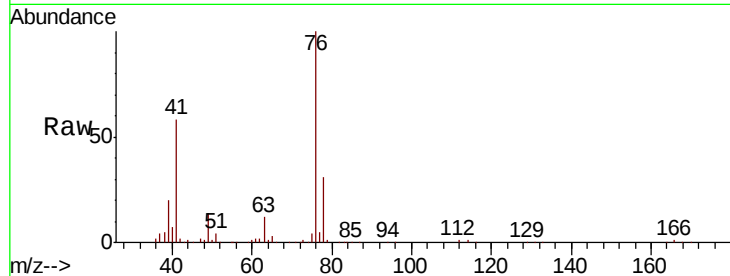
VX0912MBS02

Tot Ion: 76 Resp: 104842

Ion Ratio Lower Upper

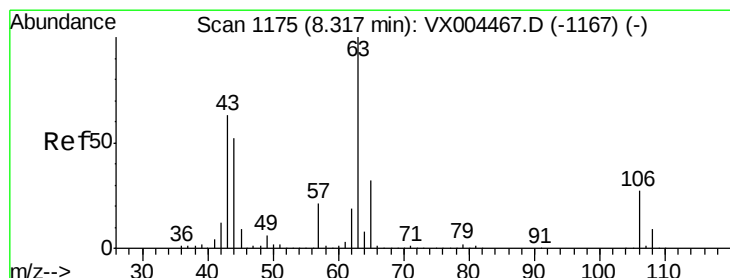
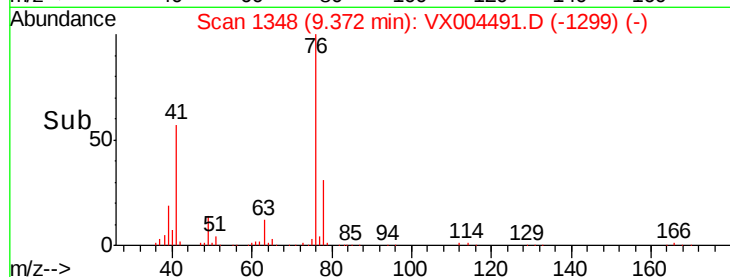
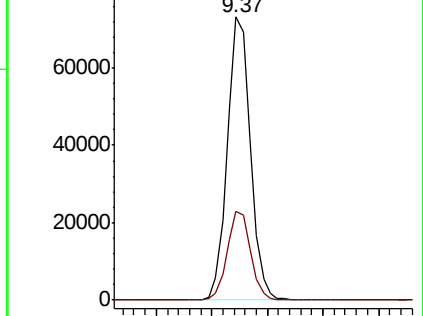
76 100

78 31.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 103.74 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004491.D

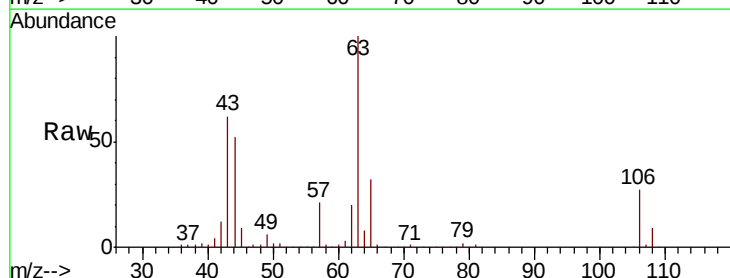
Acq: 12 Sep 2018 13:40

Tgt Ion: 63 Resp: 238242

Ion Ratio Lower Upper

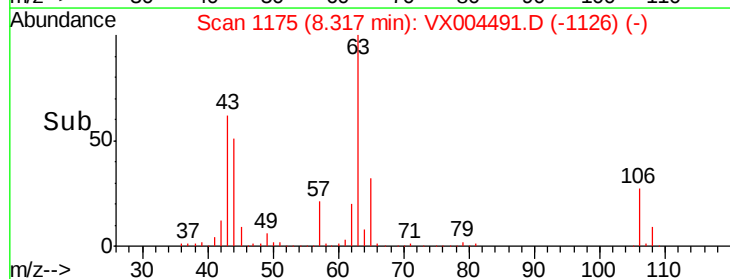
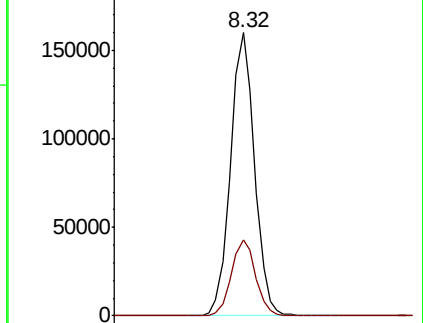
63 100

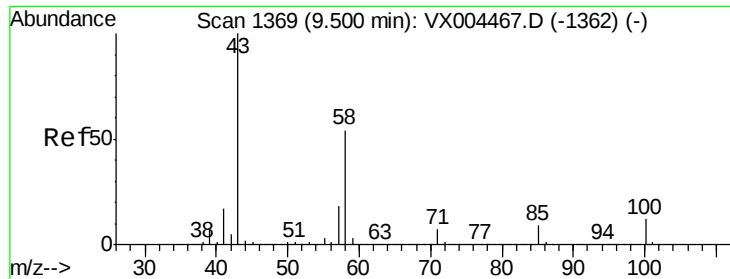
106 27.4 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

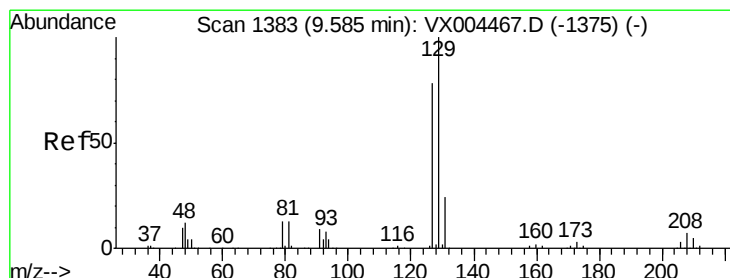
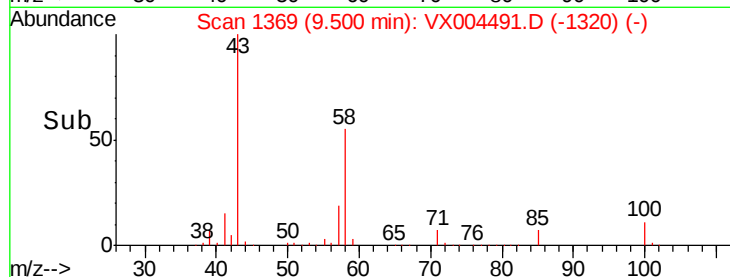
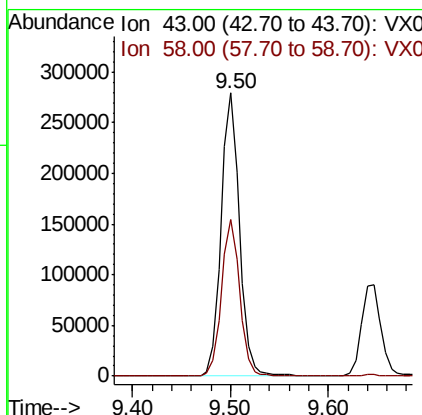
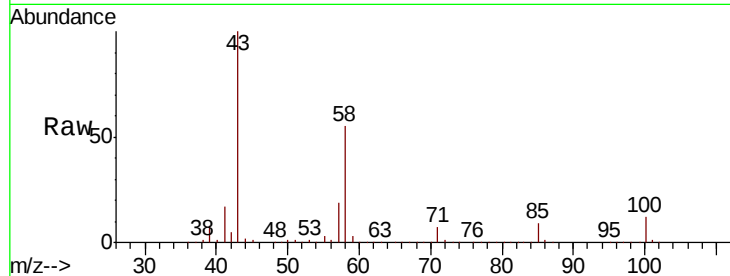




#59
 2-Hexanone
 Concen: 100.75 ug/l
 RT: 9.50 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

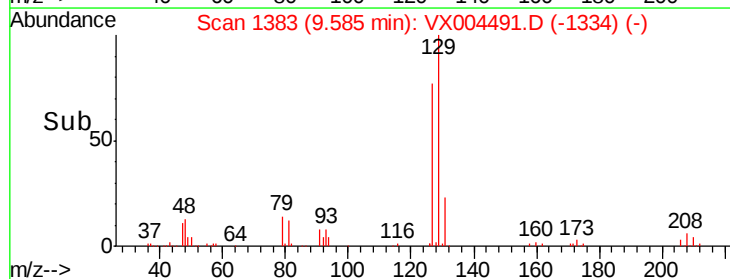
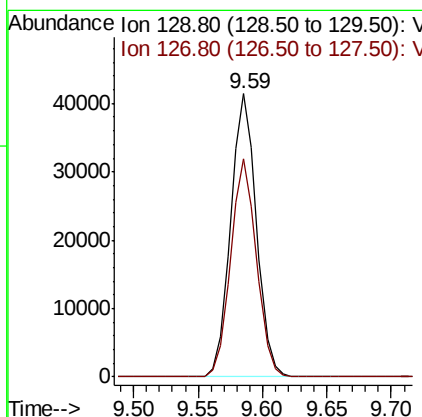
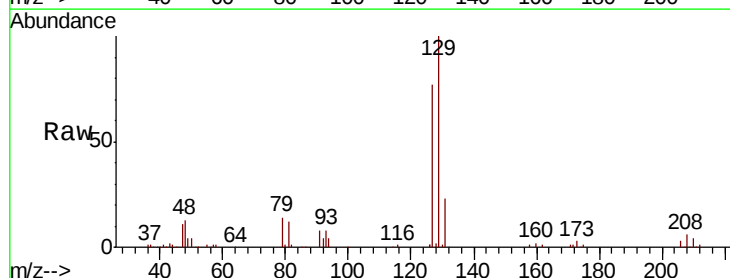
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

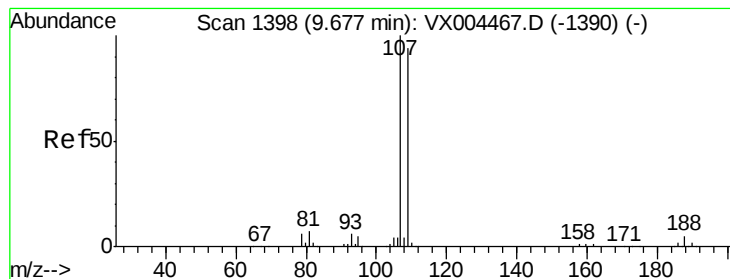
Tot Ion: 43 Resp: 364105
 Ion Ratio Lower Upper
 43 100
 58 55.3 29.0 87.0



#60
 Dibromochloromethane
 Concen: 18.49 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion:129 Resp: 57922
 Ion Ratio Lower Upper
 129 100
 127 76.7 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.26 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

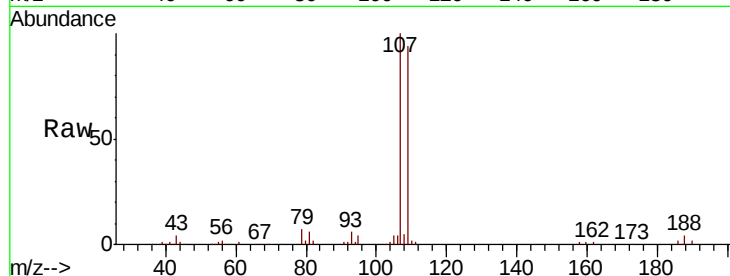
VX0912MBS02

Tot Ion:107 Resp: 64387

Ion Ratio Lower Upper

107 100

109 94.3 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

50000

40000

30000

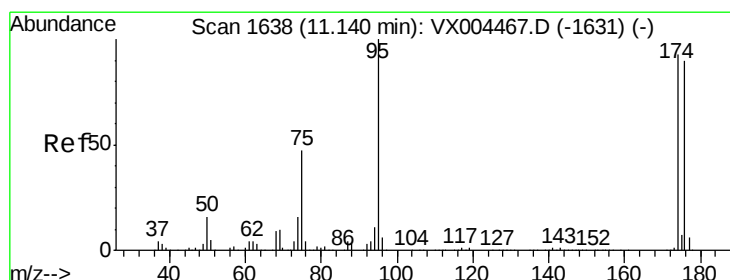
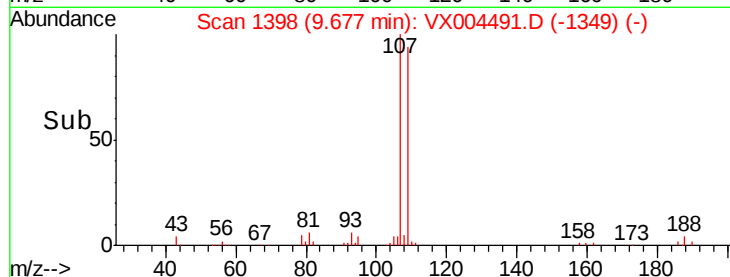
20000

10000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 50.69 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

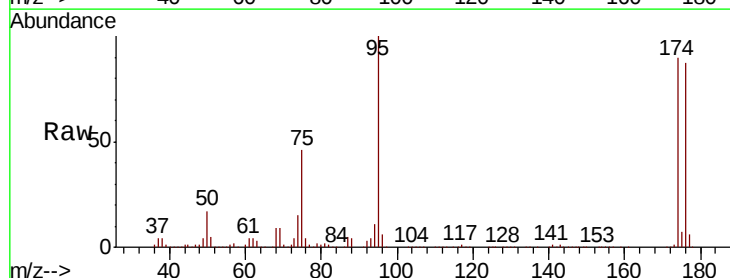
Tgt Ion: 95 Resp: 202129

Ion Ratio Lower Upper

95 100

174 89.6 0.0 185.2

176 86.5 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

200000

150000

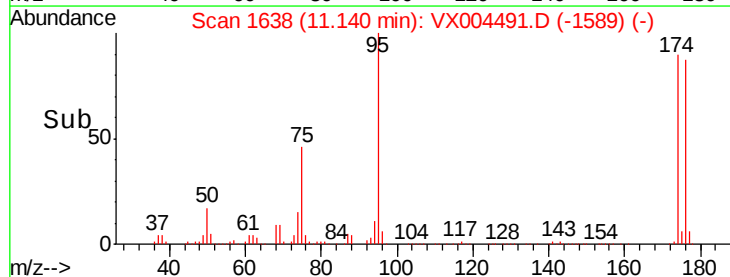
100000

50000

0

Time-->

11.10 11.20

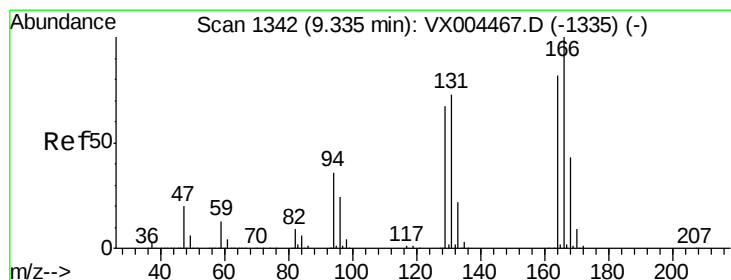
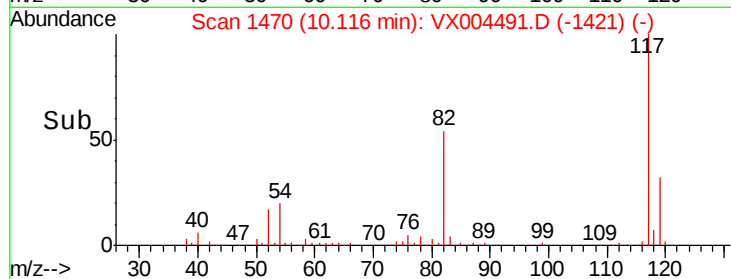
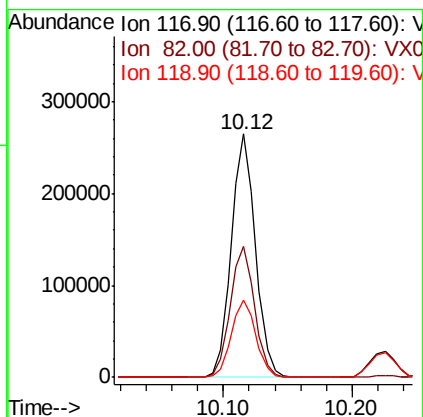
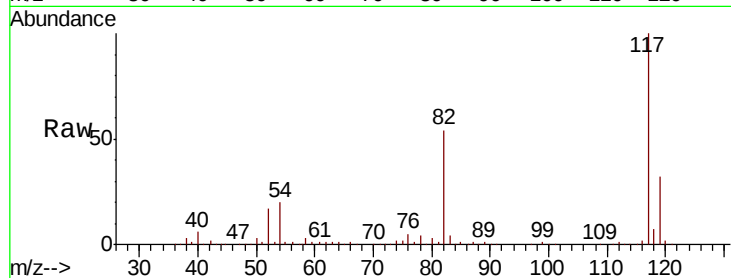




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

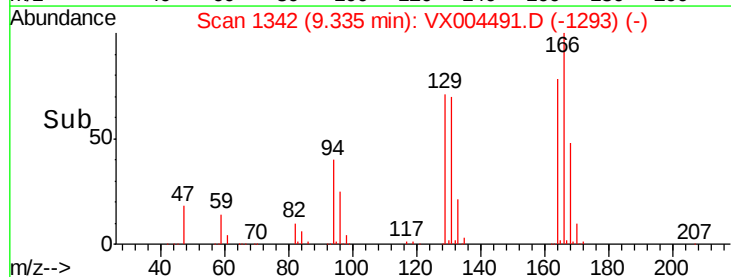
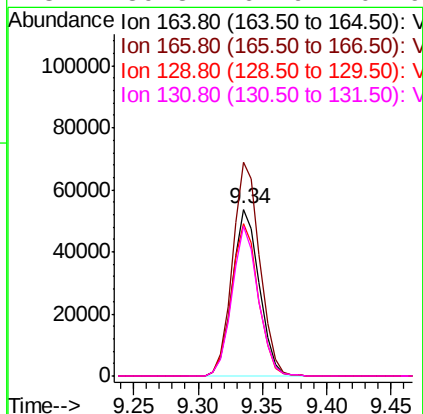
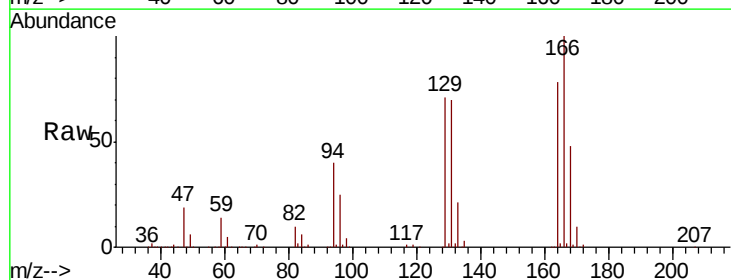
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

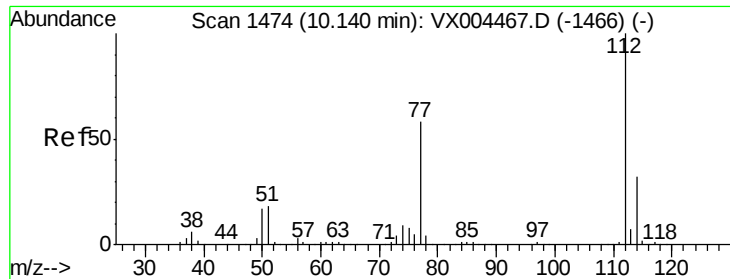
Tot Ion:117 Resp: 348031
Ion Ratio Lower Upper
117 100
82 54.0 47.8 71.6
119 31.9 29.3 43.9



#64
Tetrachloroethene
Concen: 18.02 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Tgt Ion:164 Resp: 78283
Ion Ratio Lower Upper
164 100
166 127.9 102.8 154.2
129 91.2 69.4 104.0
131 89.8 67.9 101.9

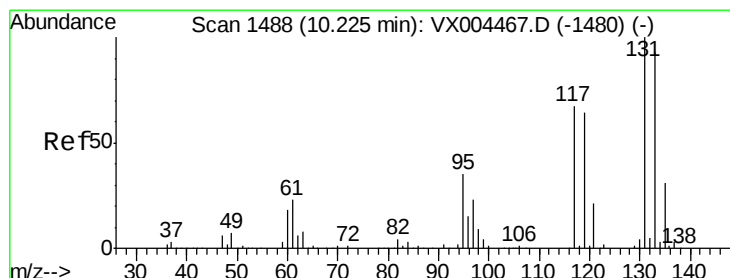
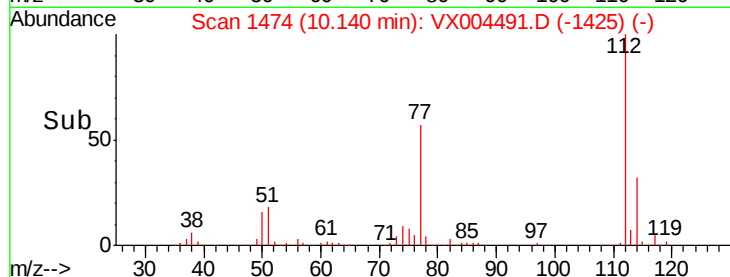
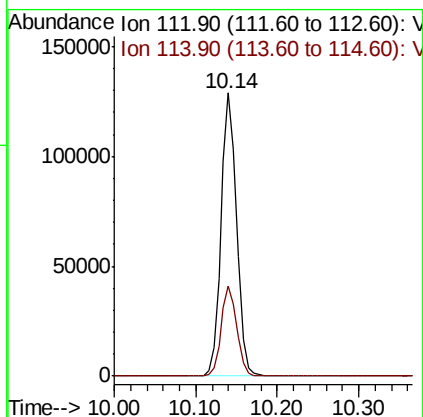
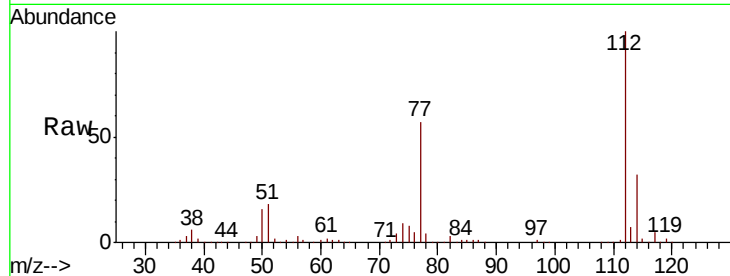




#65
Chlorobenzene
Concen: 19.84 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

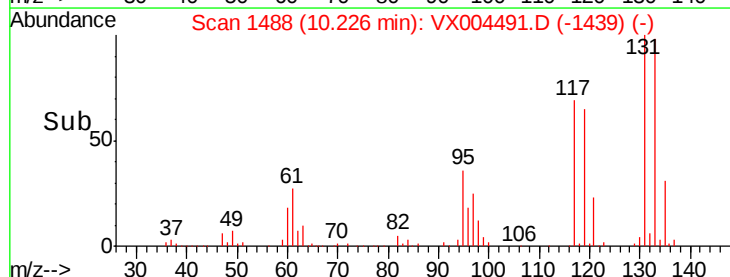
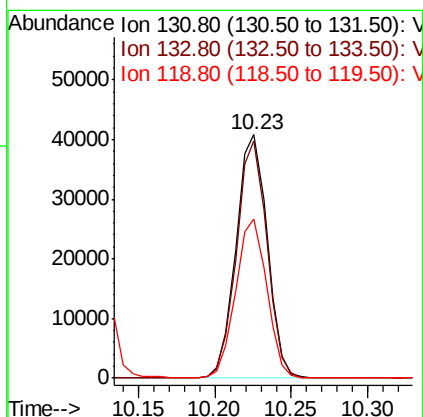
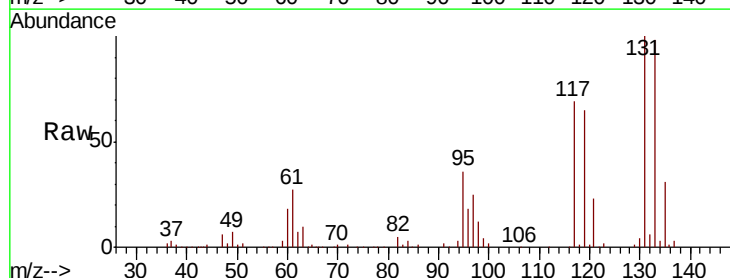
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

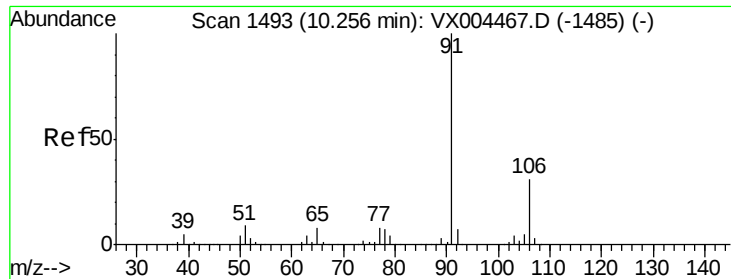
Tot Ion:112 Resp: 171552
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.32 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Tgt Ion:131 Resp: 57584
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 65.3 32.9 98.6





#67

Ethyl Benzene

Concen: 20.26 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

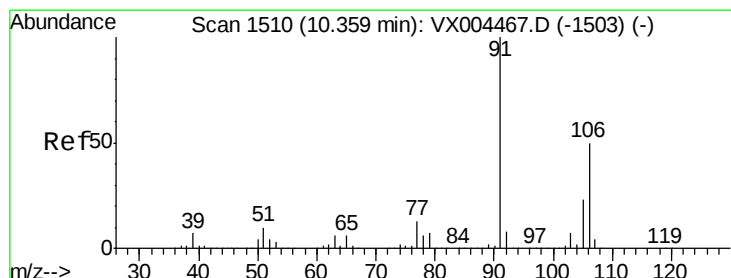
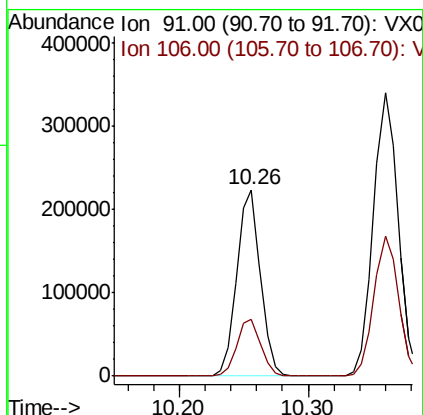
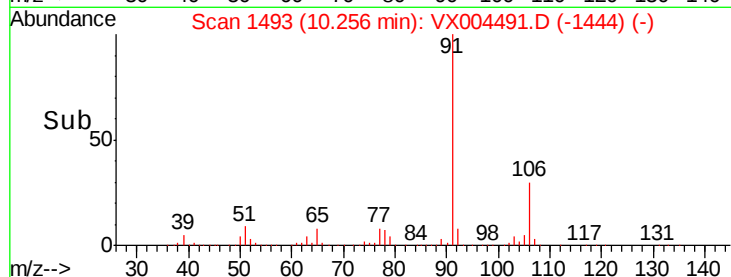
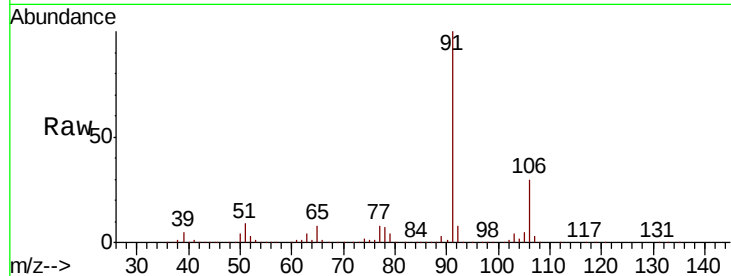
VX0912MBS02

Tot Ion: 91 Resp: 284725

Ion Ratio Lower Upper

91 100

106 30.4 25.9 38.9



#68

m/p-Xylenes

Concen: 41.04 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX004491.D

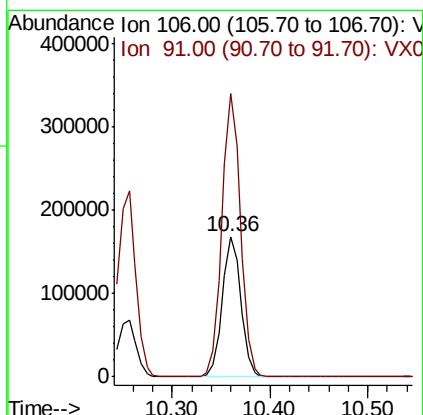
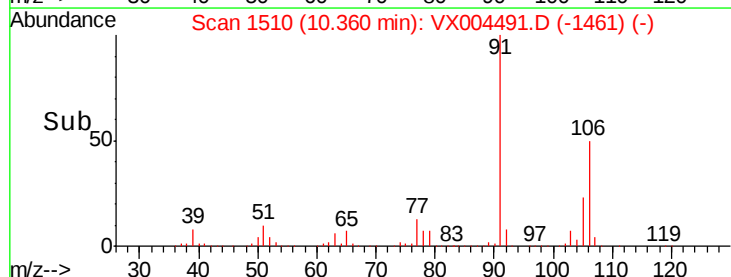
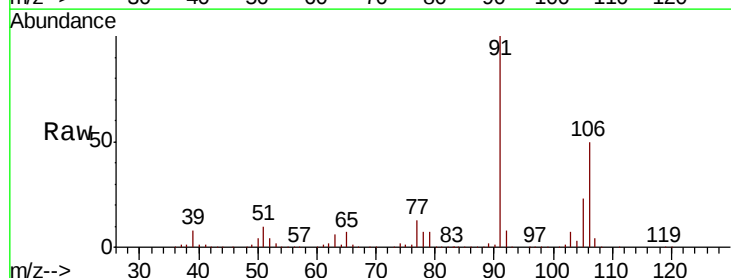
Acq: 12 Sep 2018 13:40

Tgt Ion: 106 Resp: 222215

Ion Ratio Lower Upper

106 100

91 202.0 157.1 235.7

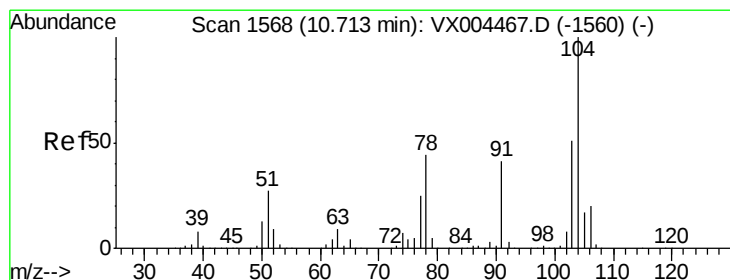
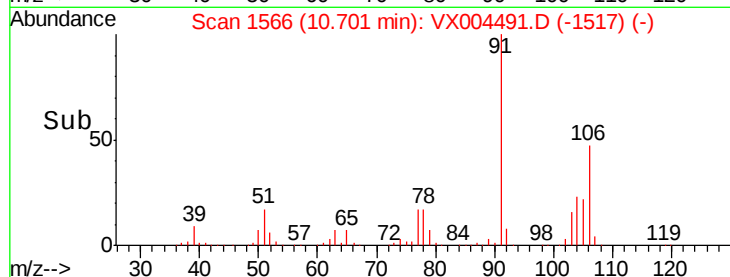
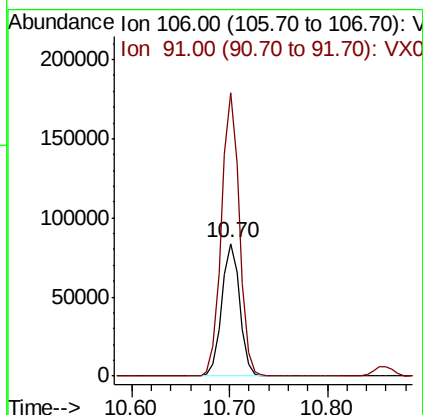
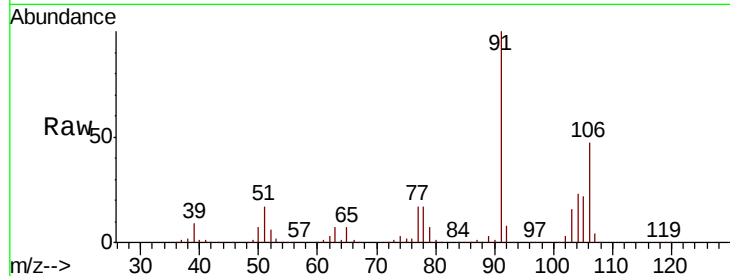




#69
o-Xylene
Concen: 20.54 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

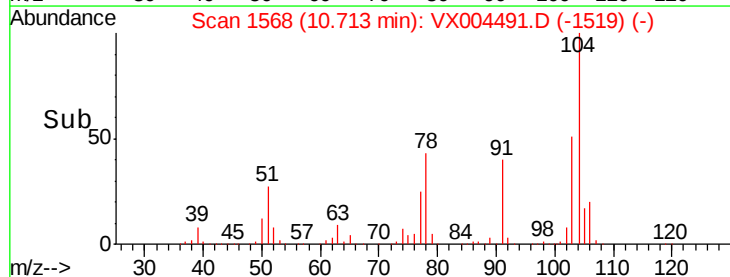
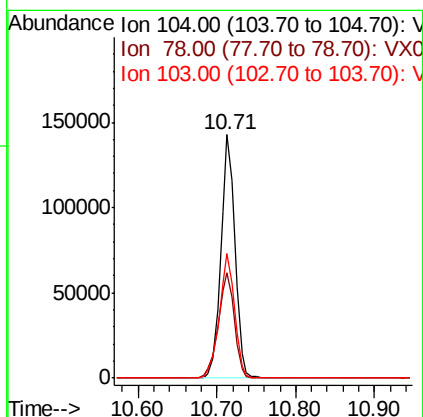
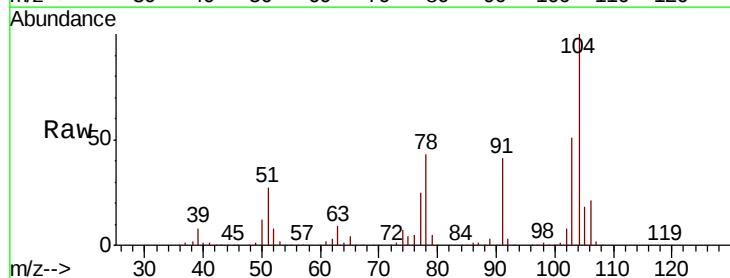
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

Tot Ion:106 Resp: 106922
Ion Ratio Lower Upper
106 100
91 212.0 105.1 315.1



#70
Styrene
Concen: 20.71 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Tgt Ion:104 Resp: 178610
Ion Ratio Lower Upper
104 100
78 49.0 37.4 56.0
103 55.4 43.8 65.6

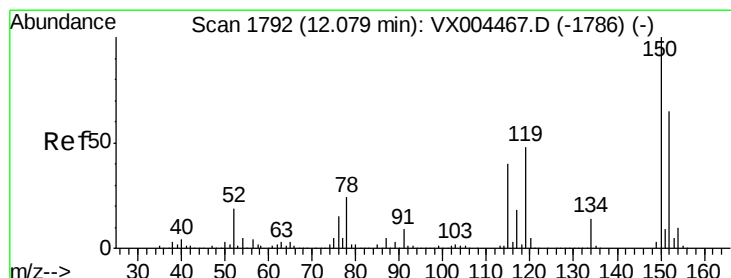
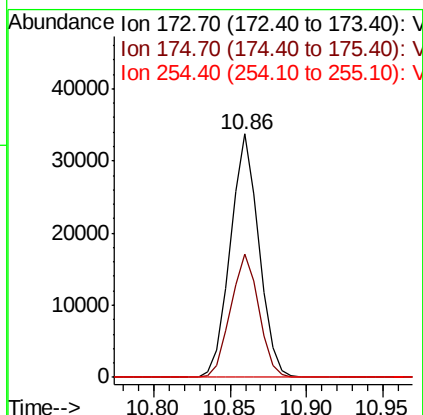
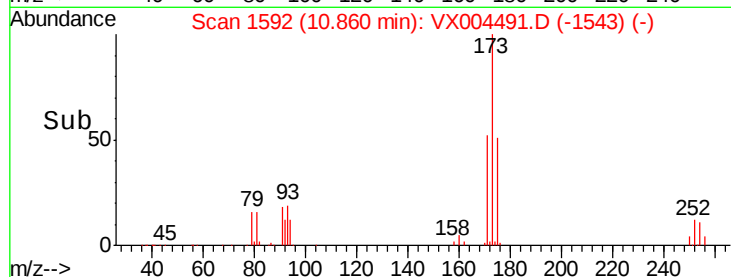
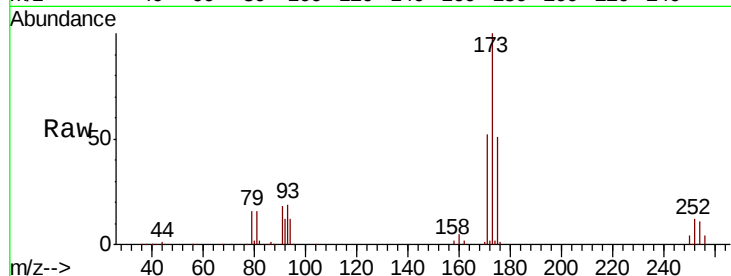




#71
Bromoform
Concen: 17.77 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

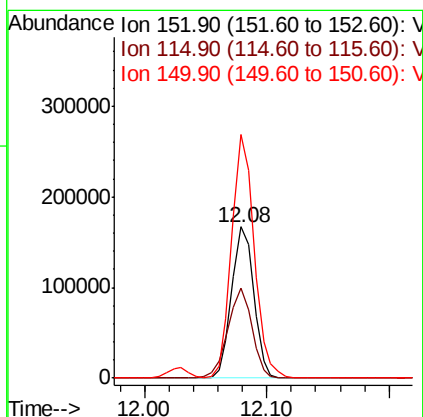
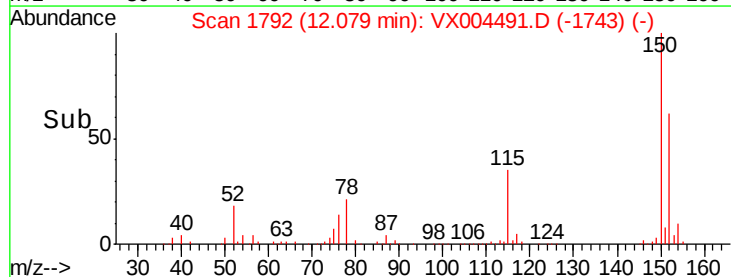
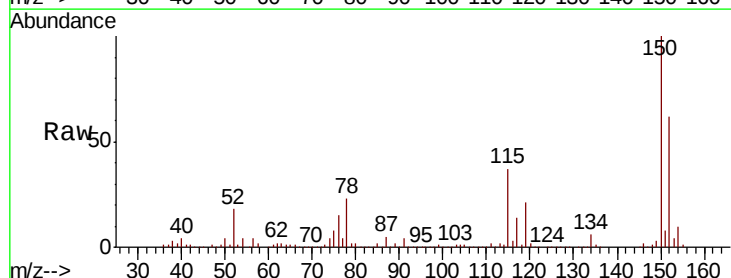
Instrument :
MSVOA_X
ClientSampleId :
VX0912MBS02

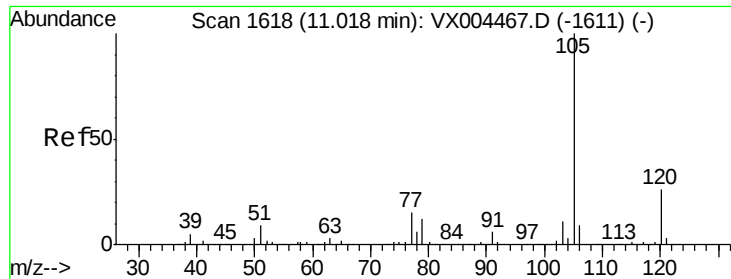
Tot Ion:173 Resp: 43502
Ion Ratio Lower Upper
173 100
175 50.3 24.1 72.3
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Tgt Ion:152 Resp: 208157
Ion Ratio Lower Upper
152 100
115 64.9 39.0 117.0
150 164.1 0.0 351.0





#73

Isopropylbenzene

Concen: 21.31 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

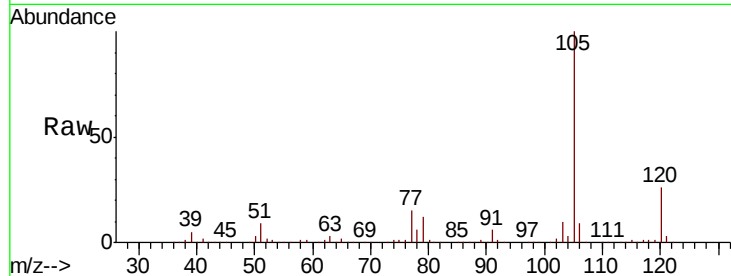
VX0912MBS02

Tot Ion:105 Resp: 292124

Ion Ratio Lower Upper

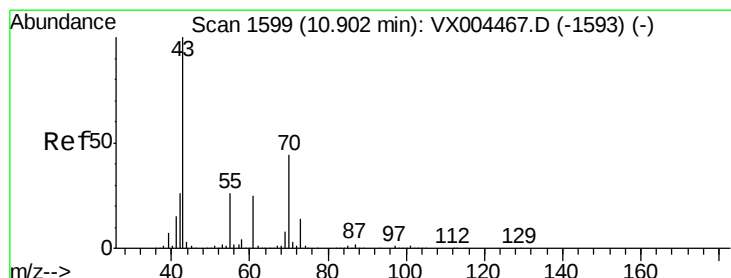
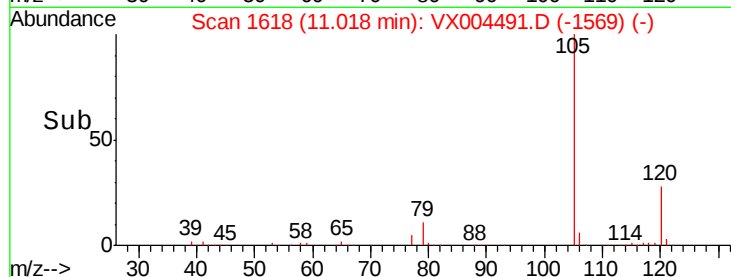
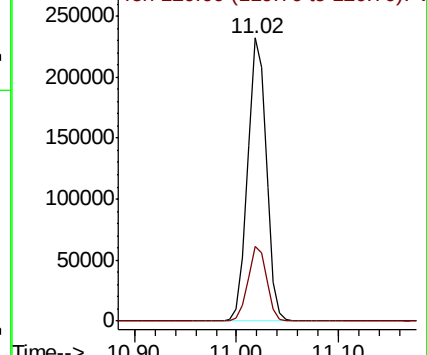
105 100

120 26.5 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.84 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Tgt Ion: 43 Resp: 120254

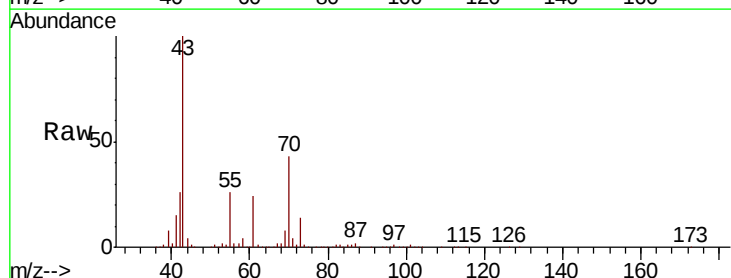
Ion Ratio Lower Upper

43 100

70 42.8 37.4 56.0

55 27.8 21.8 32.8

61 24.1 20.6 30.8

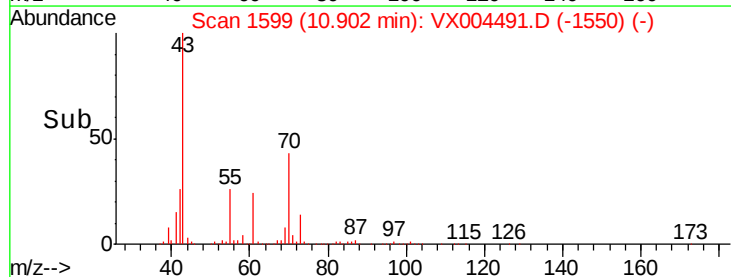
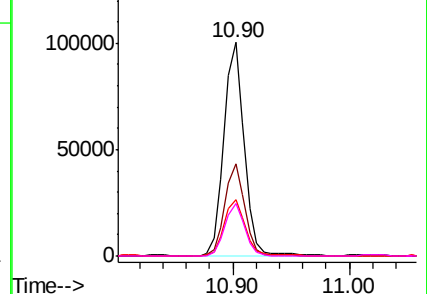


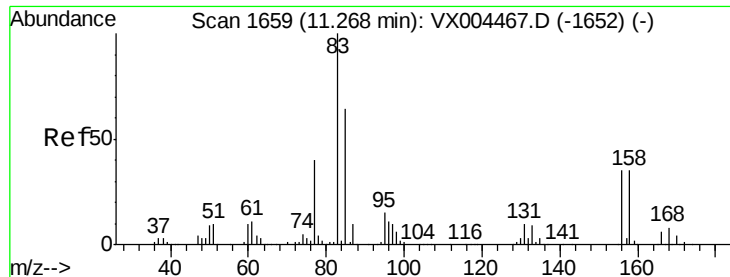
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 20.51 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

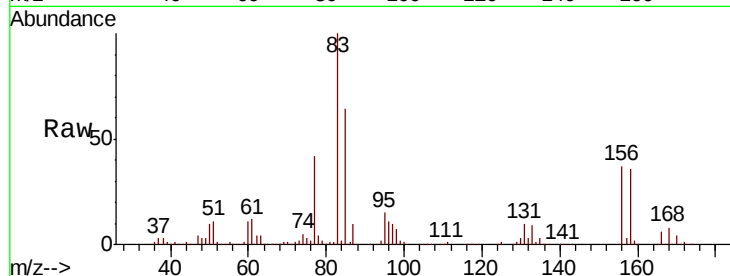
Tot Ion: 83 Resp: 90698

Ion Ratio Lower Upper

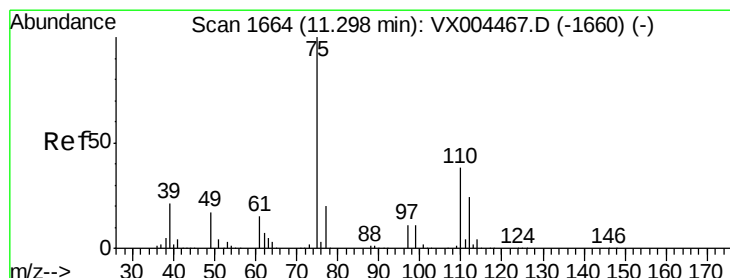
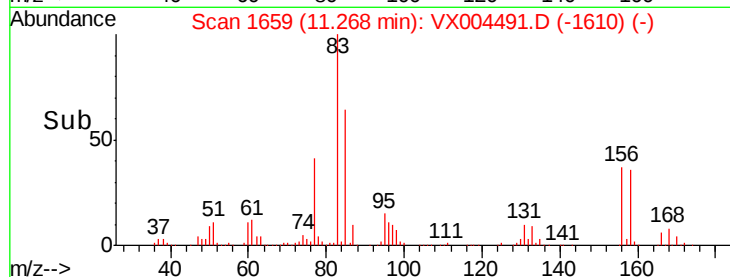
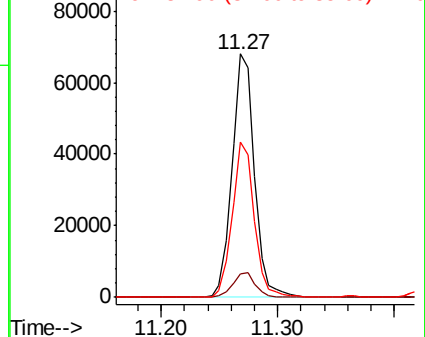
83 100

131 10.3 5.2 15.6

85 63.1 32.3 96.8



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: 25.58 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004491.D

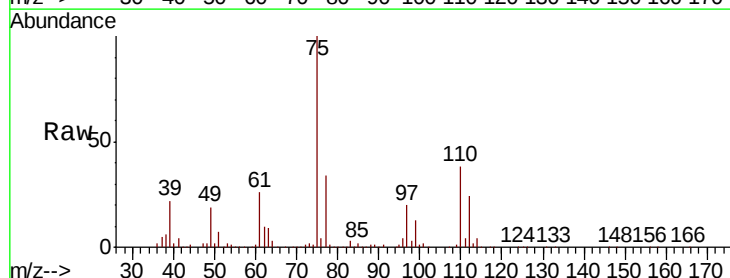
Acq: 12 Sep 2018 13:40

Tgt Ion: 75 Resp: 107134

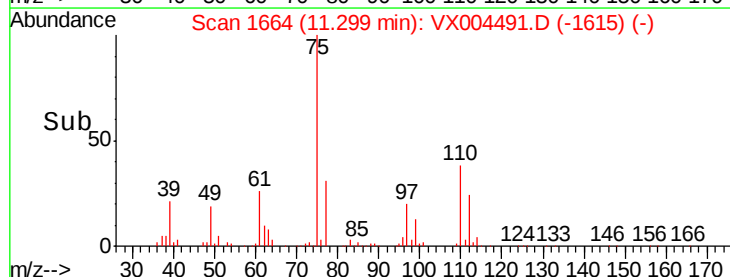
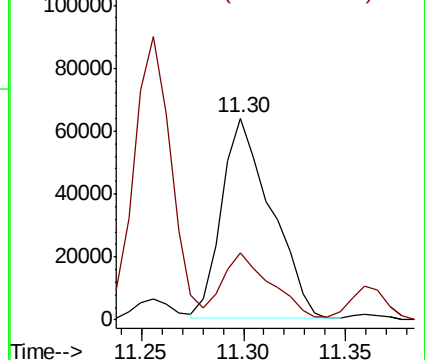
Ion Ratio Lower Upper

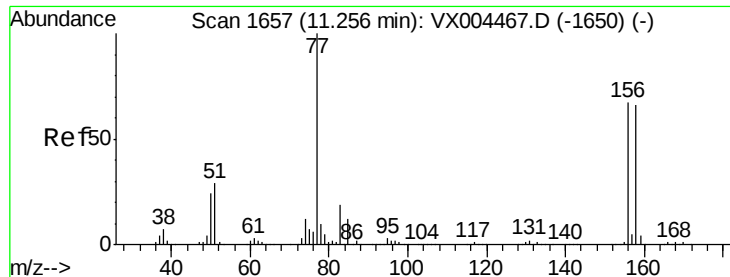
75 100

77 32.6 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.38 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

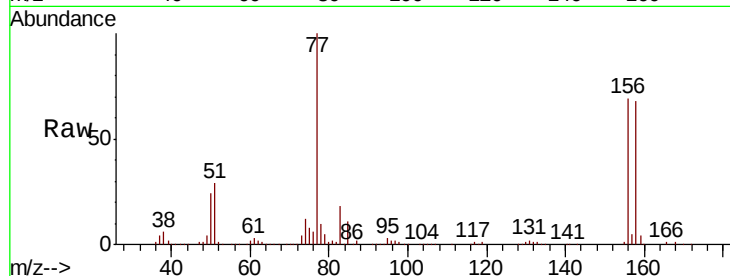
Tot Ion:156 Resp: 77213

Ion Ratio Lower Upper

156 100

77 147.6 71.5 214.3

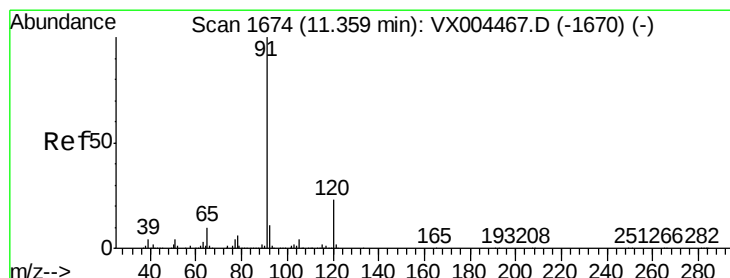
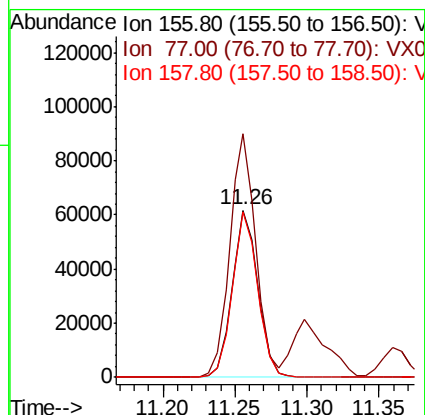
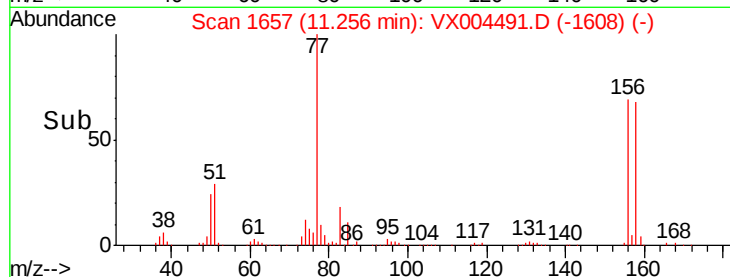
158 97.7 48.9 146.8



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: 21.45 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004491.D

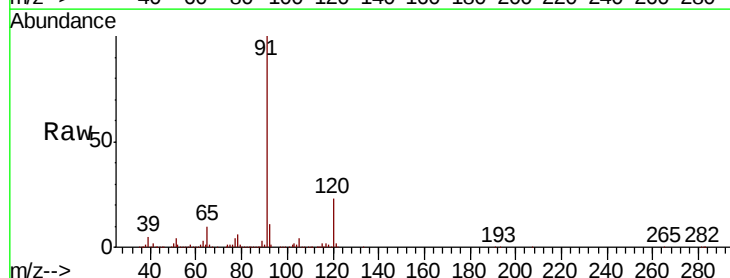
Acq: 12 Sep 2018 13:40

Tgt Ion: 91 Resp: 338167

Ion Ratio Lower Upper

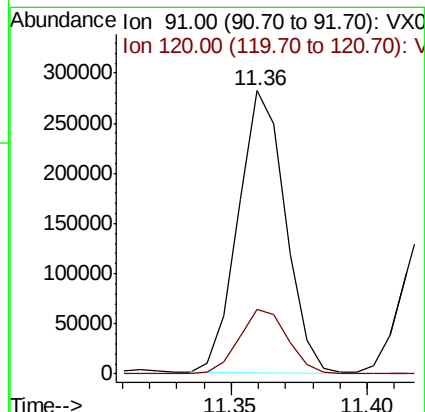
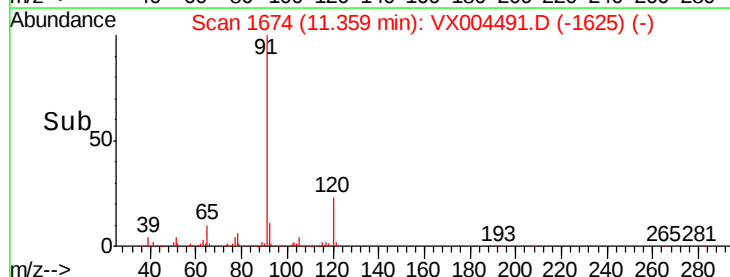
91 100

120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

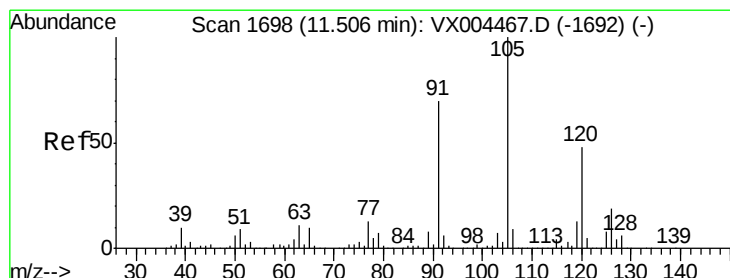
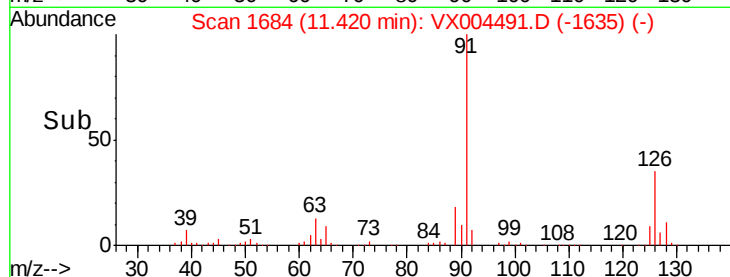
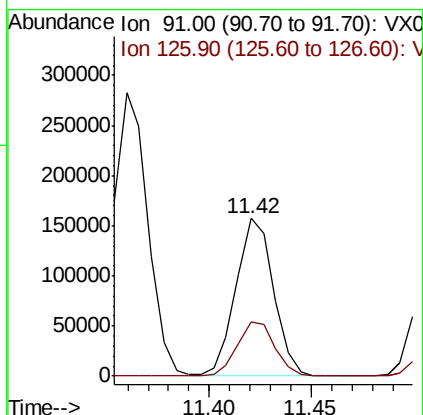
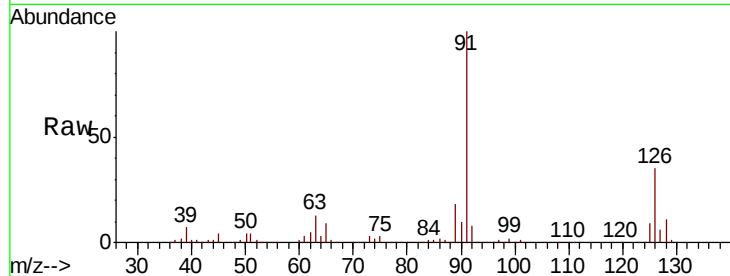




#79
 2-Chlorotoluene
 Concen: 20.89 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

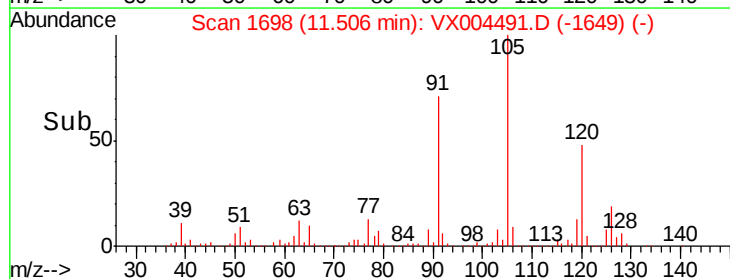
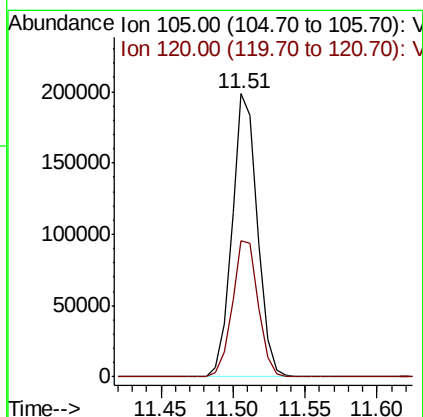
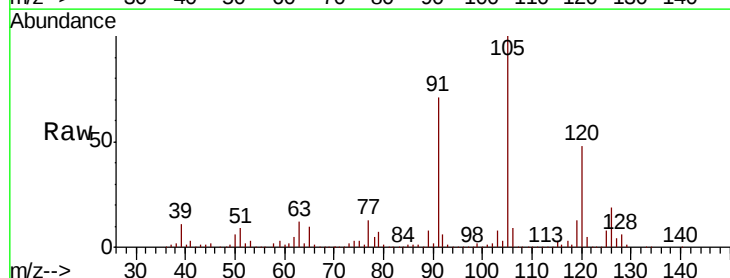
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

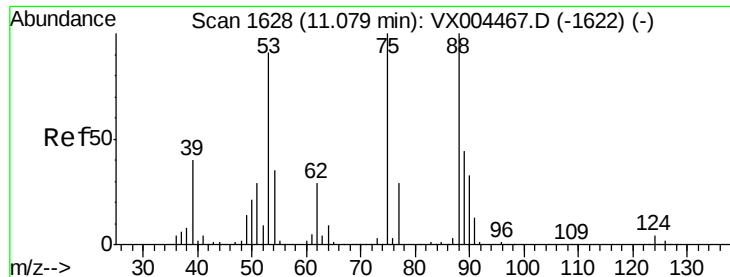
Tot Ion: 91 Resp: 199719
 Ion Ratio Lower Upper
 91 100
 126 35.2 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.20 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion:105 Resp: 244368
 Ion Ratio Lower Upper
 105 100
 120 49.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.54 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

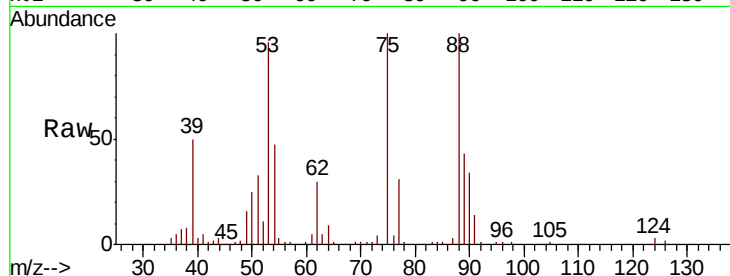
Tot Ion: 75 Resp: 25677

Ion Ratio Lower Upper

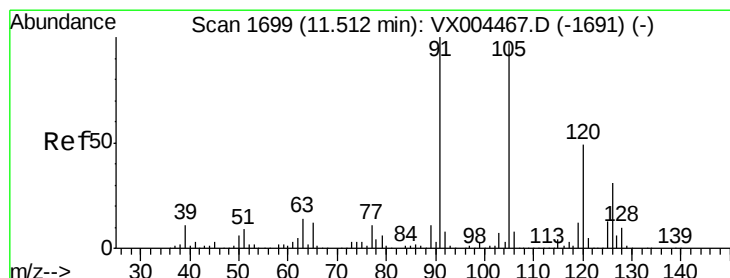
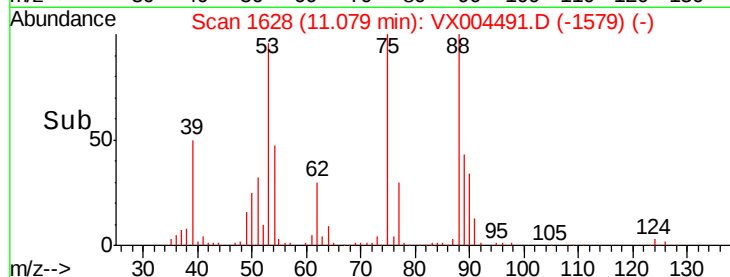
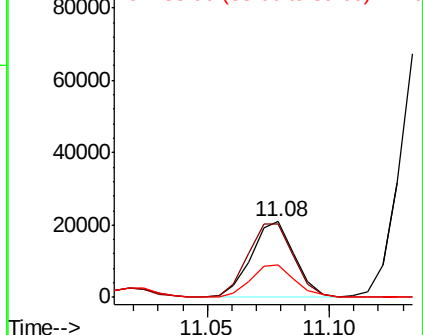
75 100

53 105.7 80.1 120.1

89 45.6 37.2 55.8



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: 20.91 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004491.D

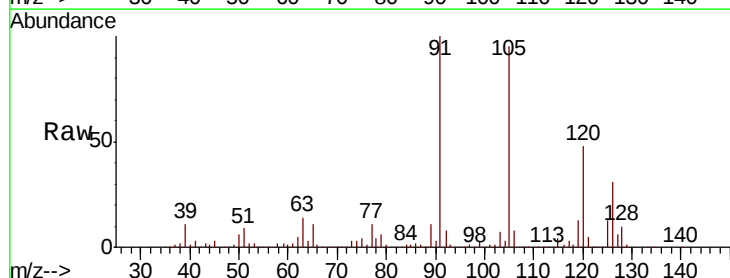
Acq: 12 Sep 2018 13:40

Tgt Ion: 91 Resp: 233325

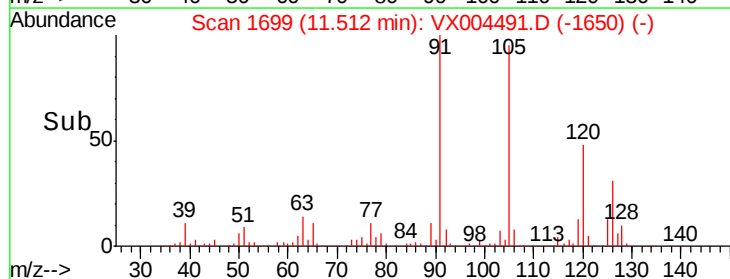
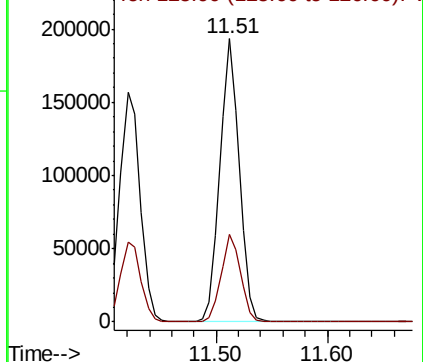
Ion Ratio Lower Upper

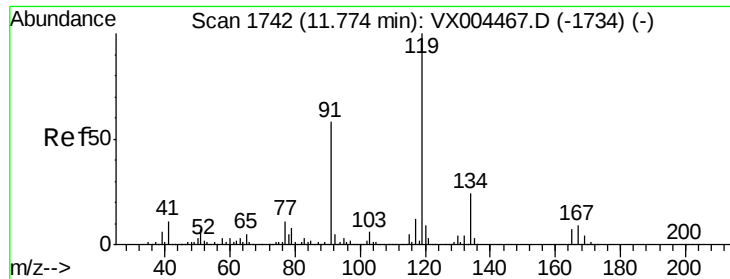
91 100

126 30.8 15.5 46.5



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

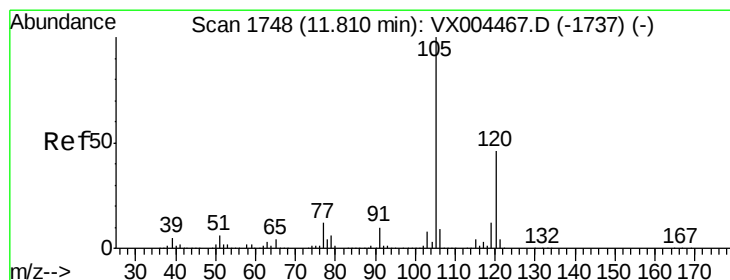
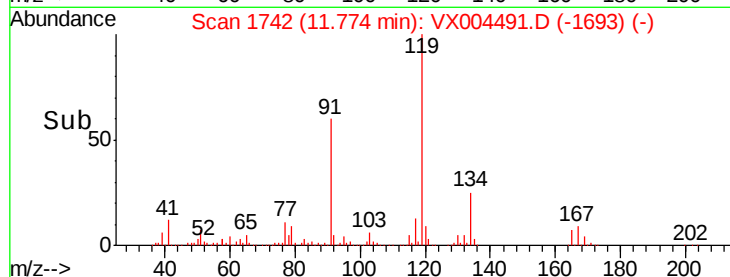
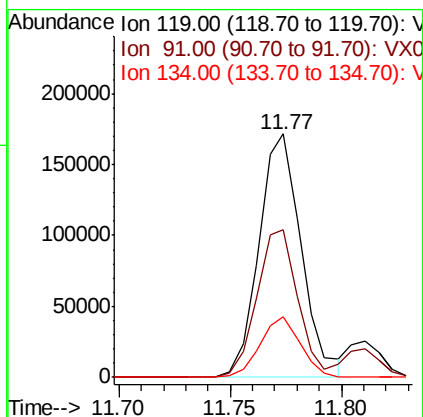
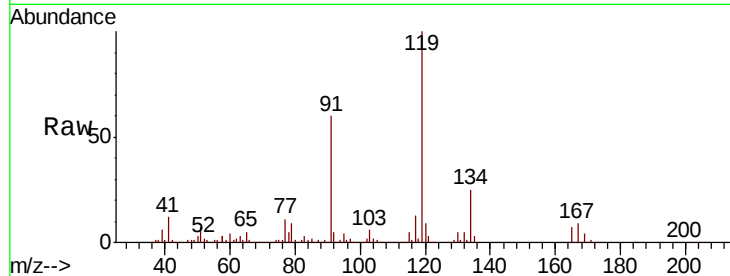




#83
 tert-Butylbenzene
 Concen: 20.64 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

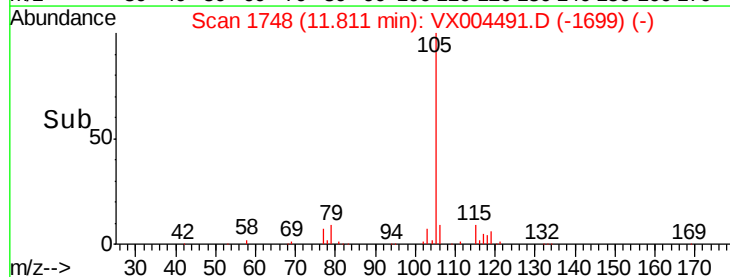
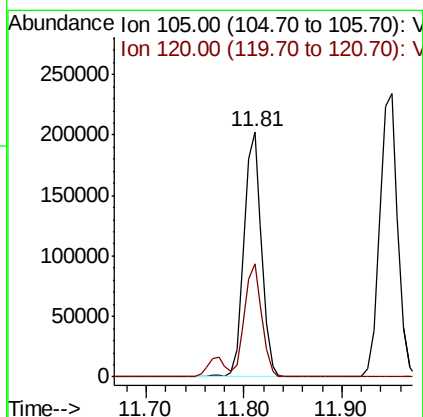
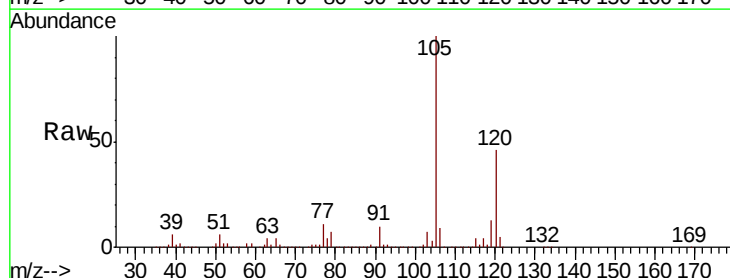
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

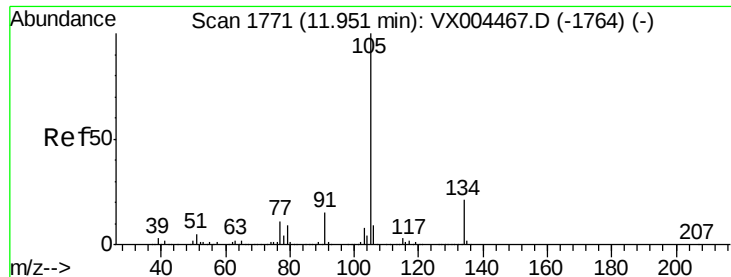
Tot Ion:119 Resp: 226415
 Ion Ratio Lower Upper
 119 100
 91 58.8 27.0 81.0
 134 23.8 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.32 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion:105 Resp: 250831
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.2 69.6





#85

sec-Butylbenzene

Concen: 21.15 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampled :

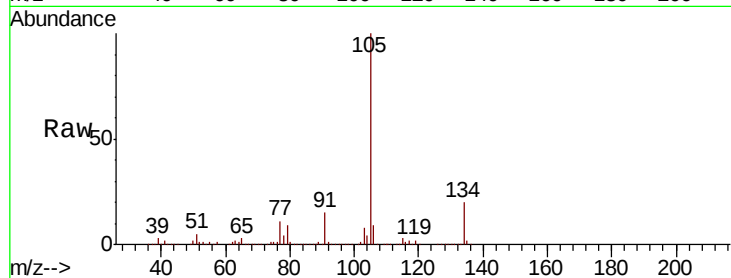
VX0912MBS02

Tot Ion:105 Resp: 295730

Ion Ratio Lower Upper

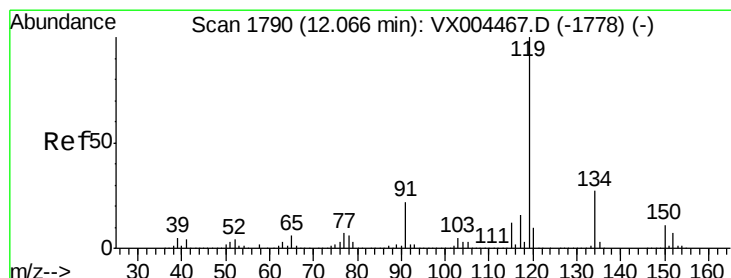
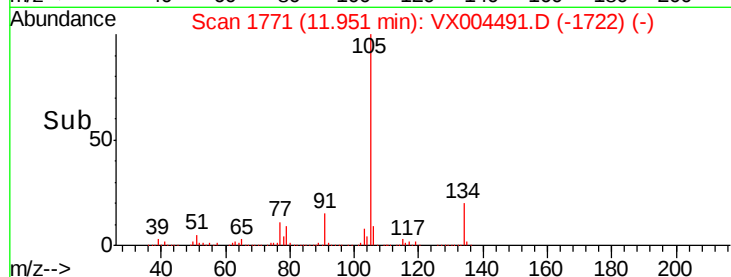
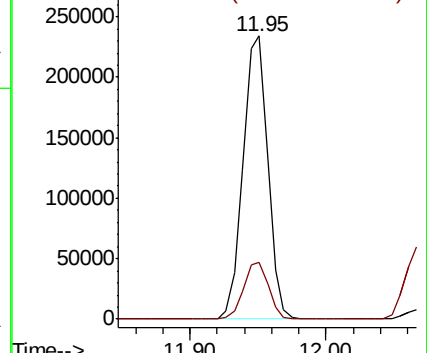
105 100

134 20.4 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.33 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

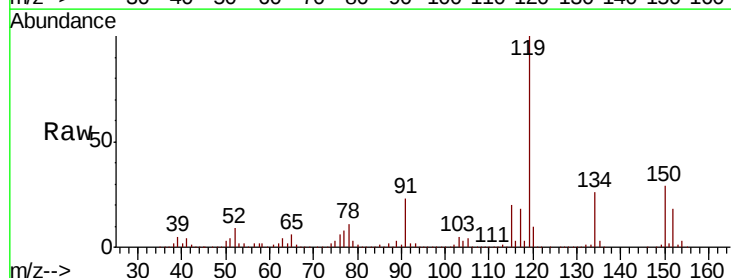
Tgt Ion:119 Resp: 263325

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

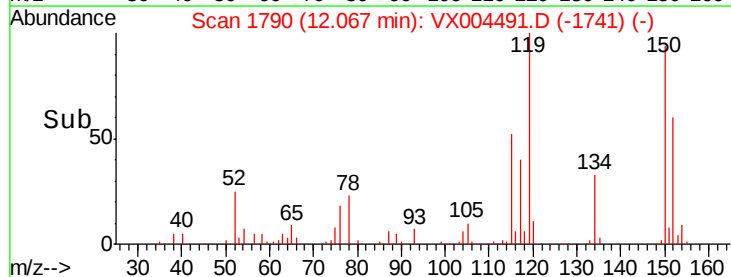
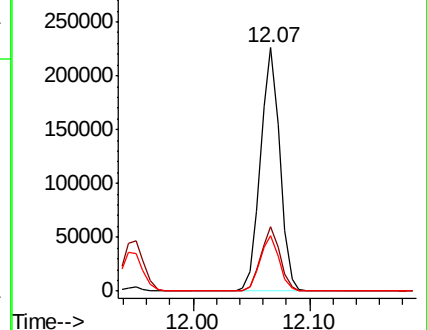
91 22.4 10.9 32.7

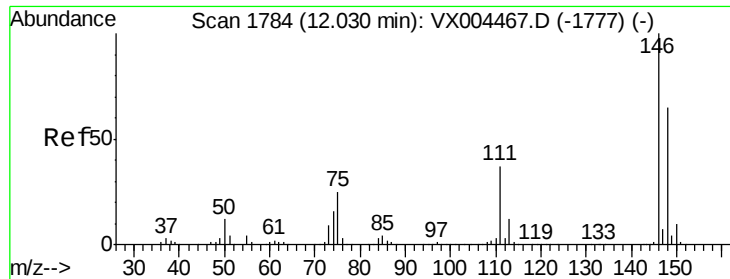


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 20.13 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

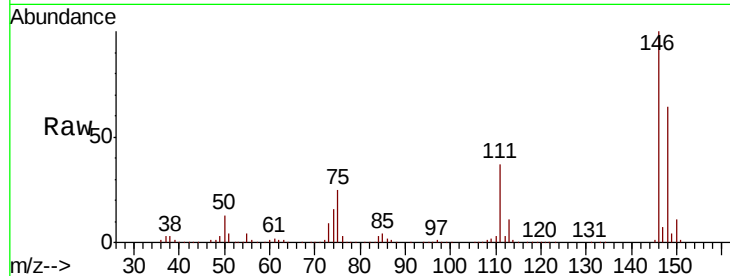
Tot Ion:146 Resp: 142343

Ion Ratio Lower Upper

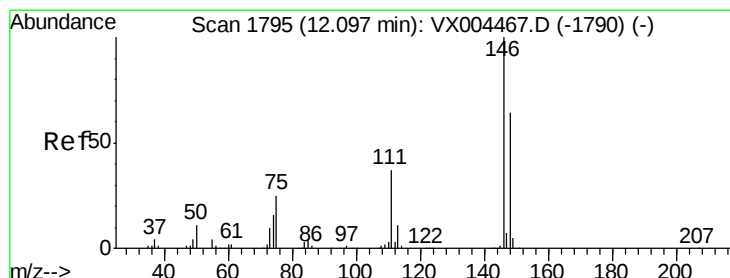
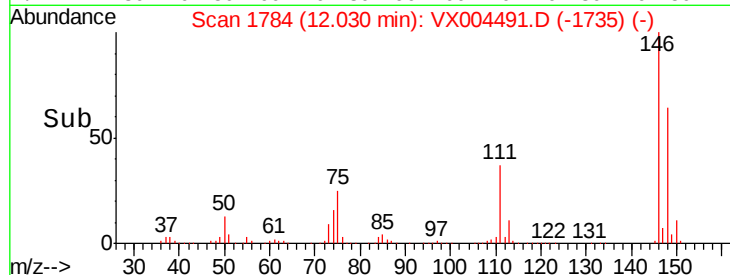
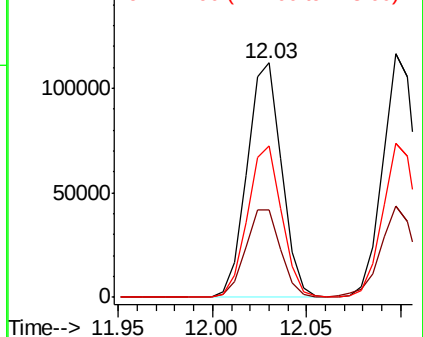
146 100

111 38.0 18.7 56.1

148 63.9 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 19.77 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

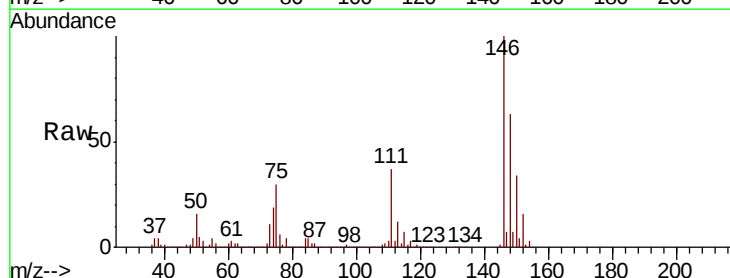
Tgt Ion:146 Resp: 144407

Ion Ratio Lower Upper

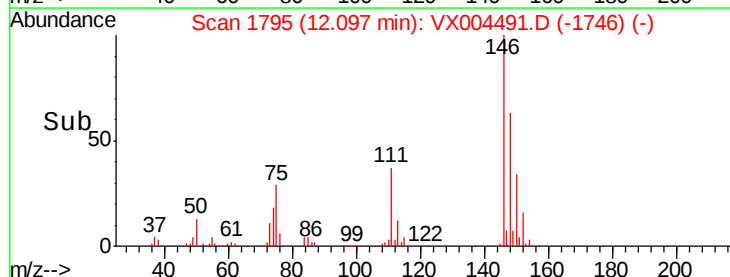
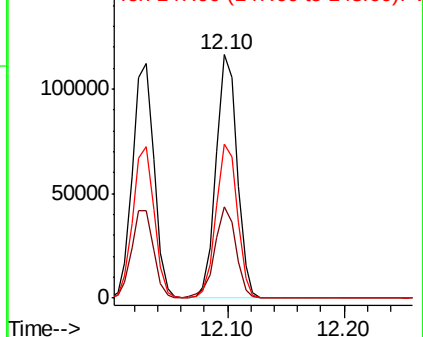
146 100

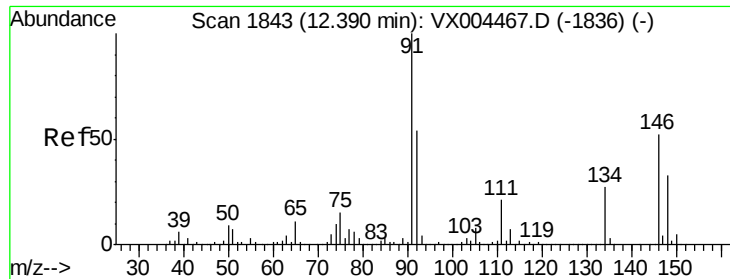
111 37.5 18.1 54.1

148 64.4 32.0 96.0



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

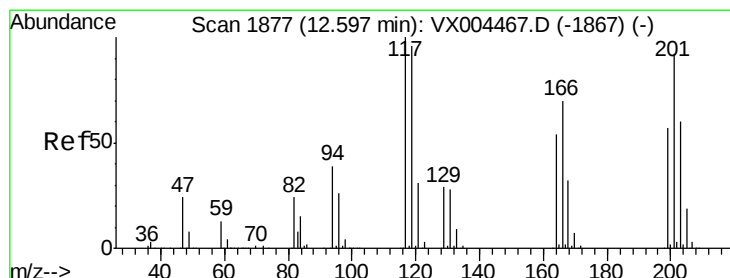
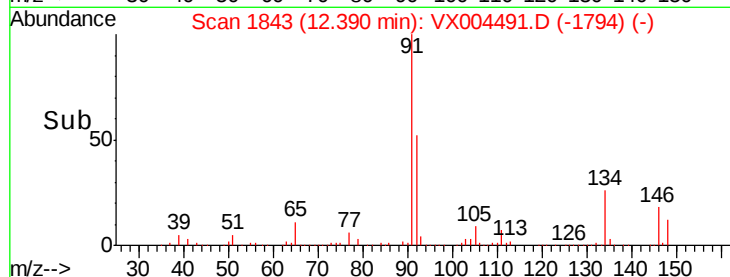
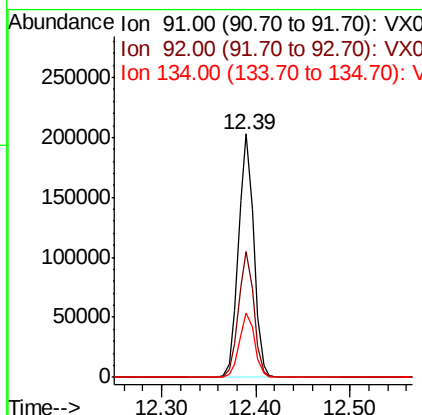
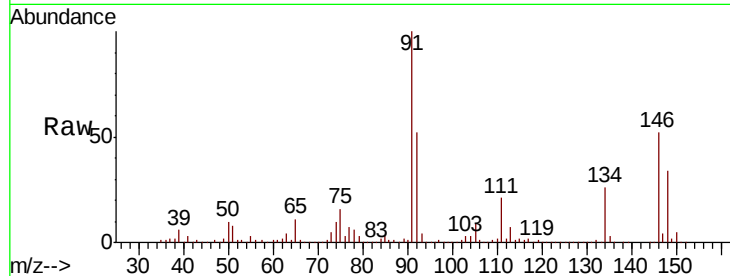




#89
n-Butylbenzene
Concen: 20.38 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

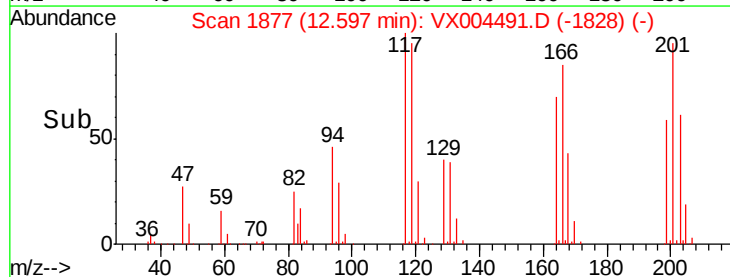
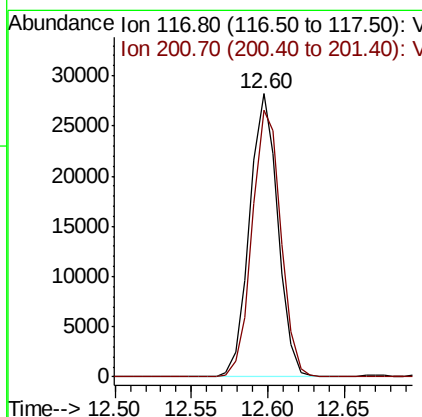
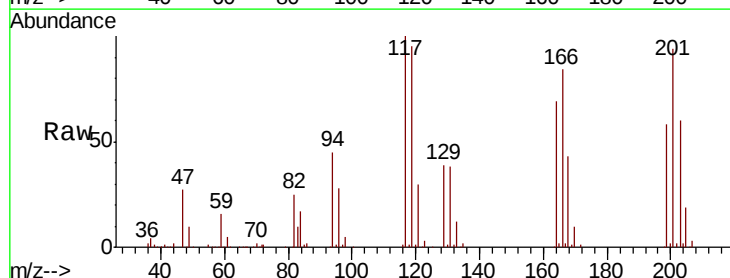
Instrument :
MSVOA_X
ClientSampled :
VX0912MBS02

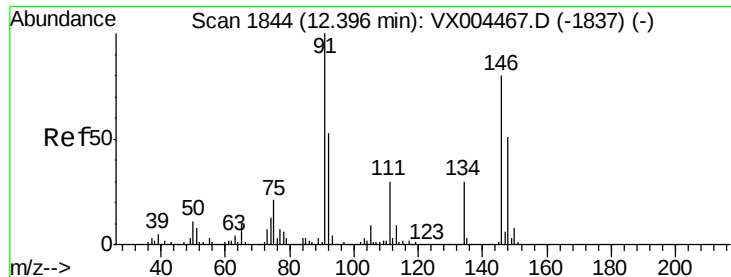
Tot Ion: 91 Resp: 229333
Ion Ratio Lower Upper
91 100
92 51.7 27.3 81.9
134 26.3 13.6 40.7



#90
Hexachloroethane
Concen: 18.32 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004491.D
Acq: 12 Sep 2018 13:40

Tgt Ion: 117 Resp: 36202
Ion Ratio Lower Upper
117 100
201 95.7 46.9 140.6

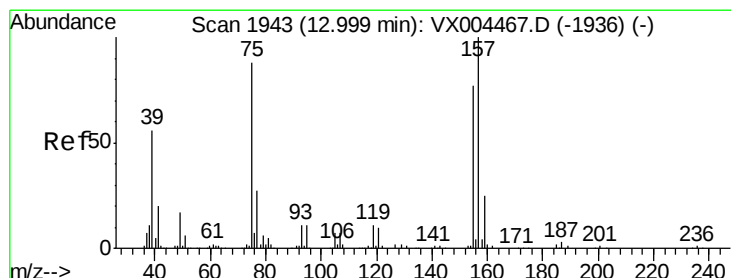
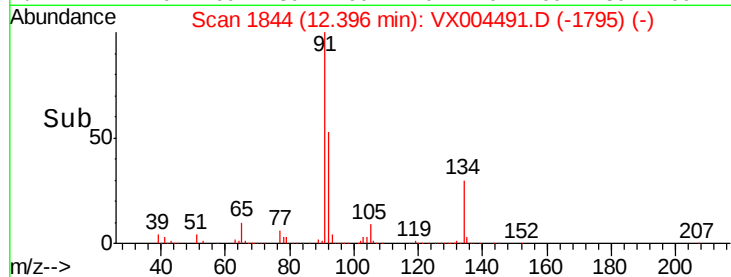
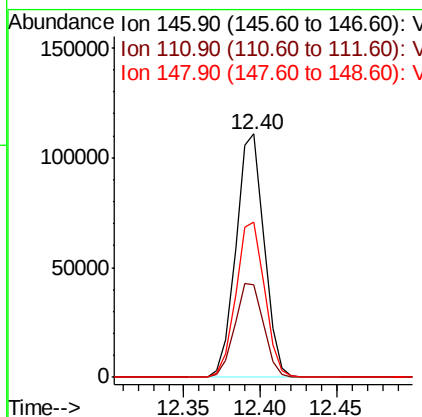
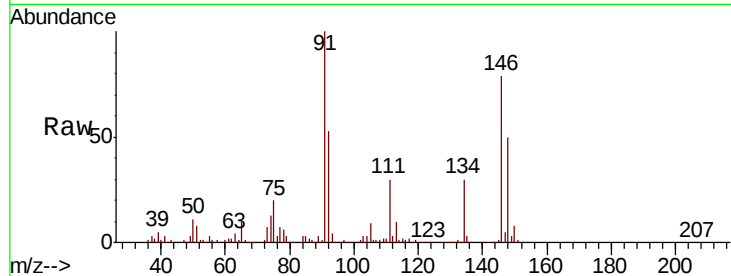




#91
 1,2-Dichlorobenzene
 Concen: 19.76 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

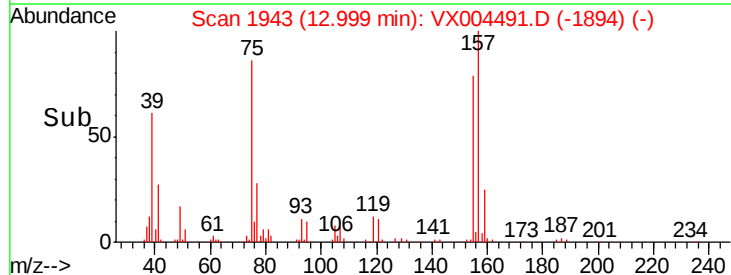
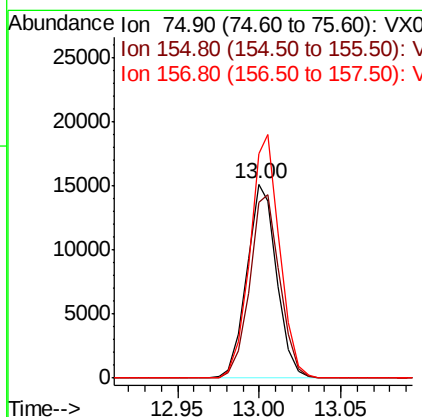
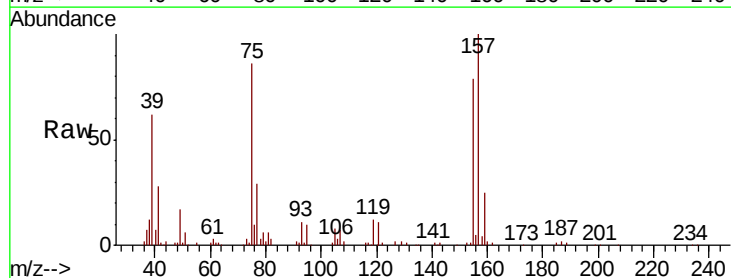
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

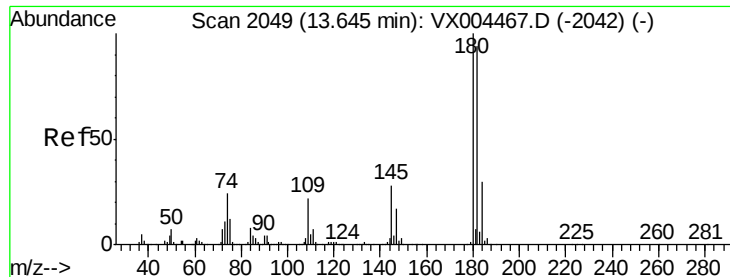
Tot Ion:146 Resp: 141392
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.4 58.1
 148 64.8 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.44 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion: 75 Resp: 19296
 Ion Ratio Lower Upper
 75 100
 155 95.4 48.0 144.2
 157 124.1 61.4 184.1

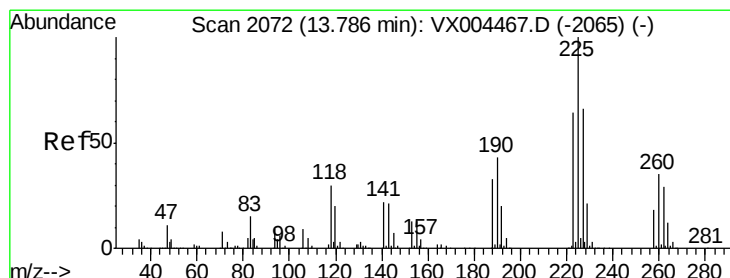
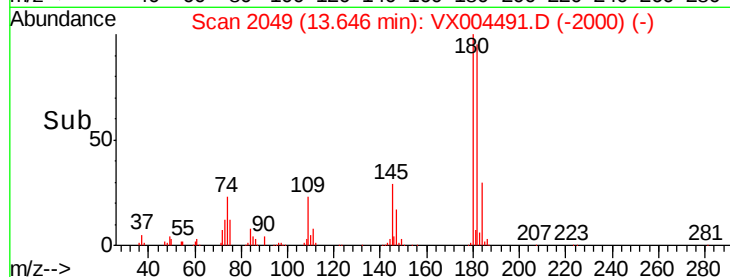
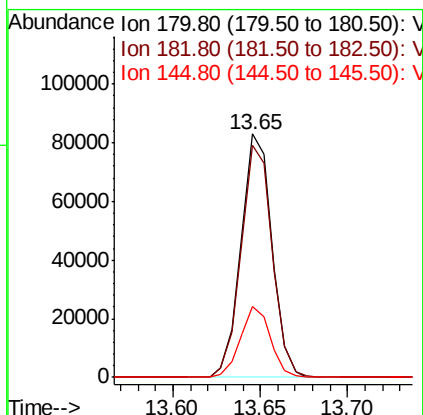
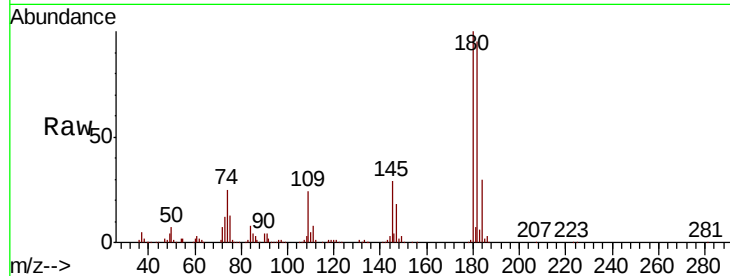




#93
 1,2,4-Trichlorobenzene
 Concen: 20.10 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

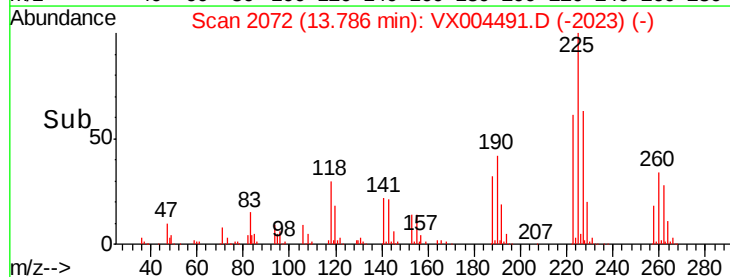
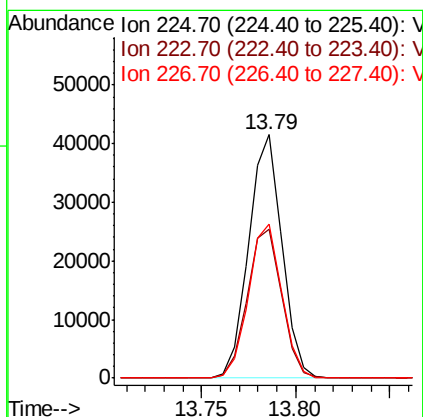
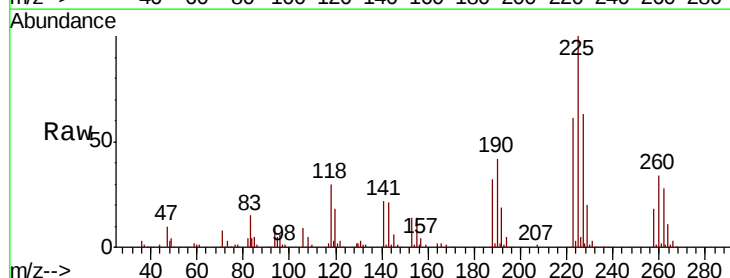
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0912MBS02

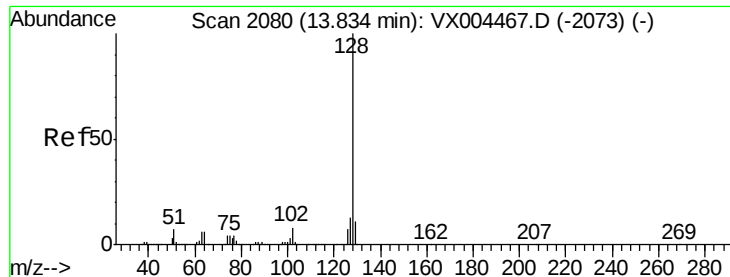
Tot Ion:180 Resp: 101855
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.4 145.0
 145 28.5 14.3 42.9



#94
 Hexachlorobutadiene
 Concen: 19.14 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004491.D
 Acq: 12 Sep 2018 13:40

Tgt Ion:225 Resp: 50666
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.1 90.5
 227 63.5 30.8 92.4





#95

Naphthalene

Concen: 21.46 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0912MBS02

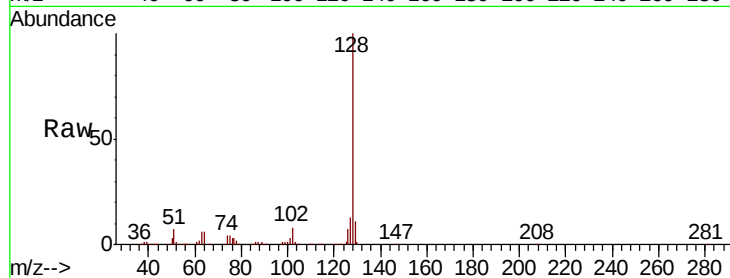
Tot Ion:128 Resp: 304970

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

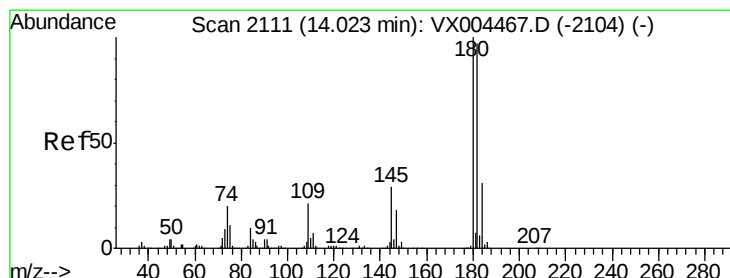
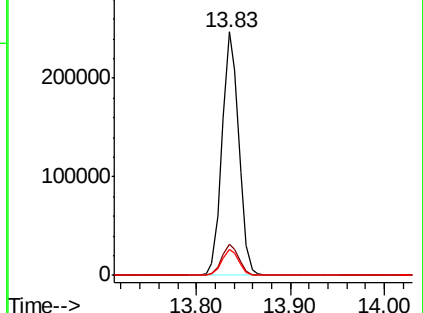
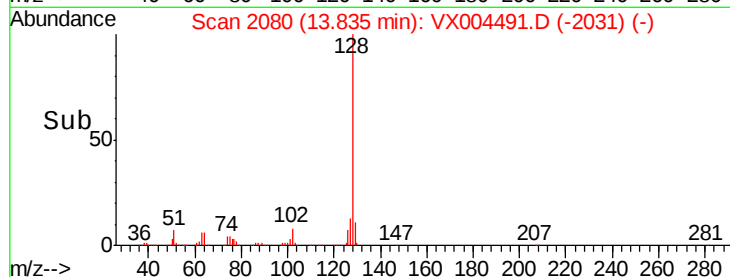
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.29 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004491.D

Acq: 12 Sep 2018 13:40

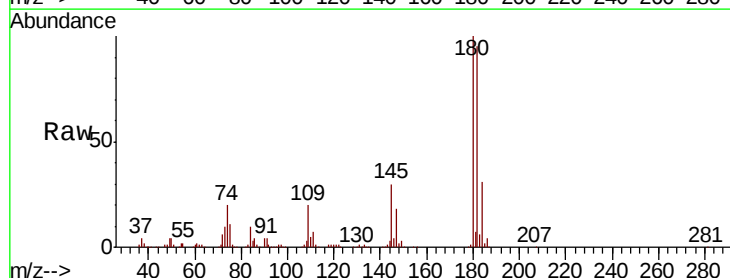
Tgt Ion:180 Resp: 105606

Ion Ratio Lower Upper

180 100

182 95.5 48.5 145.6

145 30.2 14.9 44.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

