

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091318\
 Data File : VX004510.D
 Acq On : 13 Sep 2018 12:34
 Operator : JC/MD
 Sample : VX0913MBS01
 Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Quant Time: Sep 14 03:51:54 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	5.66	168	303190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	387377	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	349017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	209261	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	192328	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
35) Dibromofluoromethane	5.50	113	171458	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	8.72	98	599511	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.14	95	207789	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	55735	19.61	ug/l	99
3) Chloromethane	1.32	50	70388	18.00	ug/l	100
4) Vinyl Chloride	1.40	62	77638	19.34	ug/l	99
5) Bromomethane	1.64	94	38146	22.04	ug/l	99
6) Chloroethane	1.72	64	47742	18.39	ug/l	97
7) Trichlorofluoromethane	1.93	101	101233	19.03	ug/l	95
8) Diethyl Ether	2.18	74	46026	19.30	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	64332	19.06	ug/l	98
10) Methyl Iodide	2.51	142	69896	20.11	ug/l	96
11) Tert butyl alcohol	3.07	59	95179	102.03	ug/l	99
12) 1,1-Dichloroethene	2.37	96	62467	19.72	ug/l	94
13) Acrolein	2.29	56	34155	92.76	ug/l	95
14) Allyl chloride	2.73	41	123881	19.02	ug/l	95
15) Acrylonitrile	3.15	53	215329	95.86	ug/l	99
16) Acetone	2.45	43	171210	89.73	ug/l	99
17) Carbon Disulfide	2.57	76	175584	19.18	ug/l	97
18) Methyl Acetate	2.78	43	102632	19.17	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	220743	19.86	ug/l	99
20) Methylene Chloride	2.85	84	74869	19.13	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	69030	19.72	ug/l	97
22) Diisopropyl ether	3.87	45	224663	19.15	ug/l	97
23) Vinyl Acetate	3.82	43	932967	98.28	ug/l	100
24) 1,1-Dichloroethane	3.70	63	127760	19.29	ug/l	99
25) 2-Butanone	4.70	43	277643	91.43	ug/l	99
26) 2,2-Dichloropropane	4.58	77	96453	21.20	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	77277	19.78	ug/l	99
28) Bromochloromethane	5.01	49	58775	19.40	ug/l	99
29) Tetrahydrofuran	5.16	42	180318	98.46	ug/l	99
30) Chloroform	5.21	83	123830	19.15	ug/l	96
31) Cyclohexane	5.57	56	113149	20.01	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	102822	19.74	ug/l	99
36) 1,1-Dichloropropene	5.79	75	94007	19.99	ug/l	98
37) Ethyl Acetate	4.86	43	102855	19.23	ug/l	99
38) Carbon Tetrachloride	5.78	117	89271	19.43	ug/l	93

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Quant Time: Sep 14 03:51:54 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)
39) Methylcyclohexane	7.46	83	99568	20.29	ug/l	98
40) Benzene	6.14	78	281855	20.20	ug/l	96
41) Methacrylonitrile	5.06	41	57435	19.49	ug/l	99
42) 1,2-Dichloroethane	6.20	62	91959	19.87	ug/l	100
43) Isopropyl Acetate	6.46	43	141243	19.88	ug/l	100
44) Trichloroethene	7.21	130	71435	19.70	ug/l	97
45) 1,2-Dichloropropane	7.52	63	64390	19.18	ug/l	100
46) Dibromomethane	7.66	93	41756	19.69	ug/l	99
47) Bromodichloromethane	7.90	83	76104	18.97	ug/l	98
48) Methyl methacrylate	7.78	41	69131	19.66	ug/l	97
49) 1,4-Dioxane	7.76	88	34806	418.26	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	461669	92.08	ug/l	98
52) Toluene	8.79	92	168459	20.49	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	95956	20.48	ug/l	96
54) cis-1,3-Dichloropropene	8.44	75	96869	20.28	ug/l	95
55) 1,1,2-Trichloroethane	9.21	97	74346	21.00	ug/l	99
56) Ethyl methacrylate	9.18	69	105679	21.10	ug/l	96
57) 1,3-Dichloropropane	9.37	76	120702	20.99	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	246928	101.24	ug/l	96
59) 2-Hexanone	9.50	43	390391	101.52	ug/l	97
60) Dibromochloromethane	9.59	129	66813	20.05	ug/l	99
61) 1,2-Dibromoethane	9.68	107	67820	20.06	ug/l	99
64) Tetrachloroethene	9.34	164	93222	21.39	ug/l	95
65) Chlorobenzene	10.14	112	177473	20.47	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	60251	20.15	ug/l	99
67) Ethyl Benzene	10.25	91	293247	20.80	ug/l	96
68) m/p-Xylenes	10.36	106	231409	42.62	ug/l	97
69) o-Xylene	10.70	106	111396	21.34	ug/l	100
70) Styrene	10.71	104	184899	21.38	ug/l	99
71) Bromoform	10.86	173	47602	19.39	ug/l #	100
73) Isopropylbenzene	11.02	105	299397	21.72	ug/l	100
74) N-amyl acetate	10.90	43	117546	20.26	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	89664	20.17	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	109263	25.95	ug/l	87
77) Bromobenzene	11.26	156	80608	21.16	ug/l	99
78) n-propylbenzene	11.36	91	343801	21.70	ug/l	99
79) 2-Chlorotoluene	11.42	91	205207	21.35	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	251581	21.71	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	27526	20.84	ug/l	99
82) 4-Chlorotoluene	11.51	91	236207	21.06	ug/l	98
83) tert-Butylbenzene	11.77	119	238690	21.64	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	258249	21.83	ug/l	98
85) sec-Butylbenzene	11.94	105	305259	21.72	ug/l	99
86) p-Isopropyltoluene	12.07	119	273127	22.00	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	147837	20.80	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	148620	20.24	ug/l	98
89) n-Butylbenzene	12.39	91	233854	20.68	ug/l	98
90) Hexachloroethane	12.60	117	38898	19.58	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	148119	20.59	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20159	21.24	ug/l	98

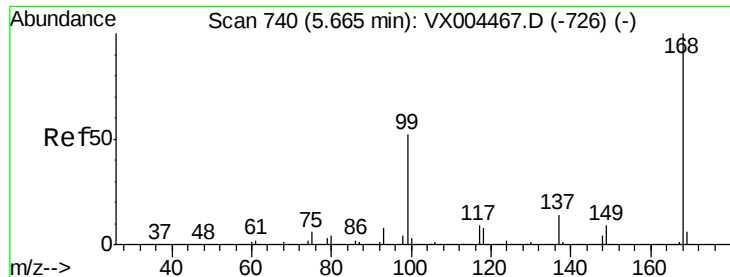
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QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	106629	20.93	ug/l	100
94) Hexachlorobutadiene	13.79	225	54353	20.43	ug/l	98
95) Naphthalene	13.83	128	311074	21.77	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	109718	20.97	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

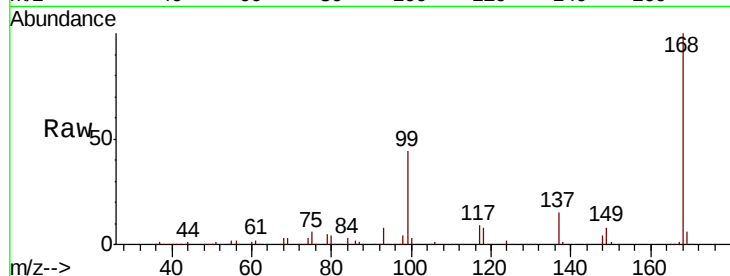
VX0913MBS01

Tot Ion:168 Resp: 303190

Ion Ratio Lower Upper

168 100

99 43.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

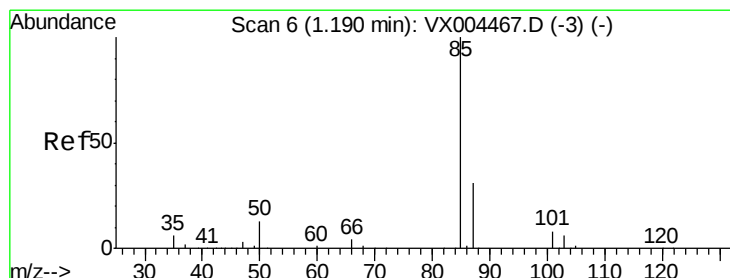
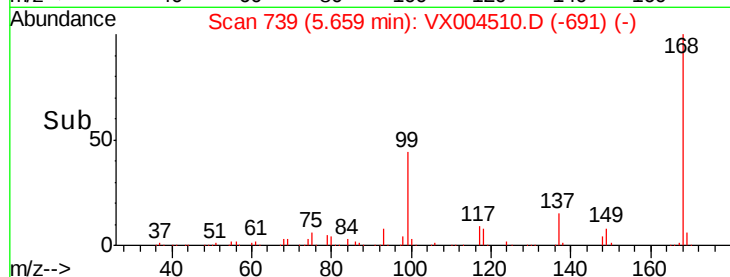
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.61 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004510.D

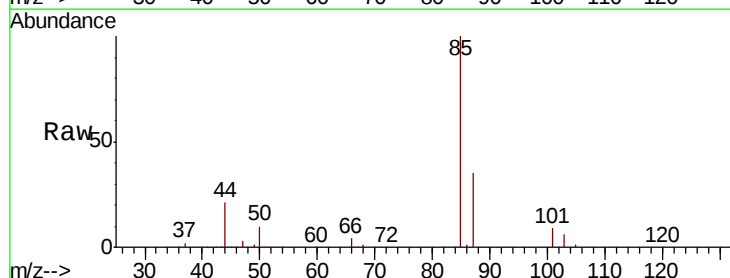
Acq: 13 Sep 2018 12:34

Tgt Ion: 85 Resp: 55735

Ion Ratio Lower Upper

85 100

87 34.6 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

60000

50000

40000

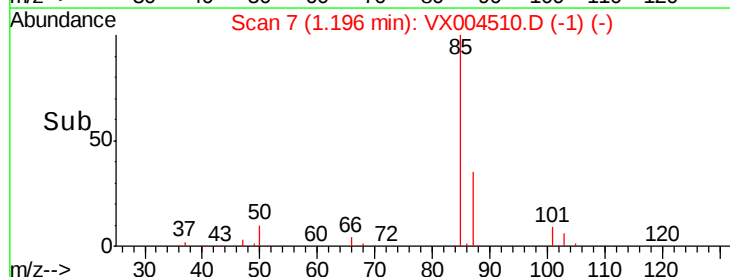
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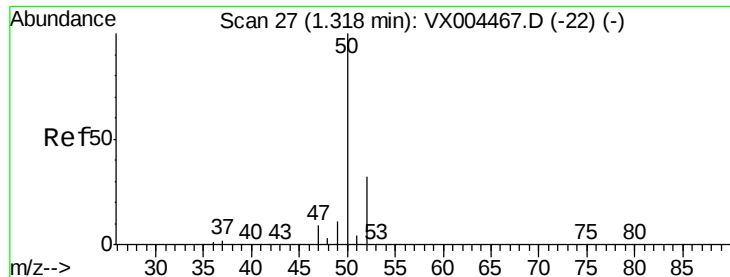
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.00 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

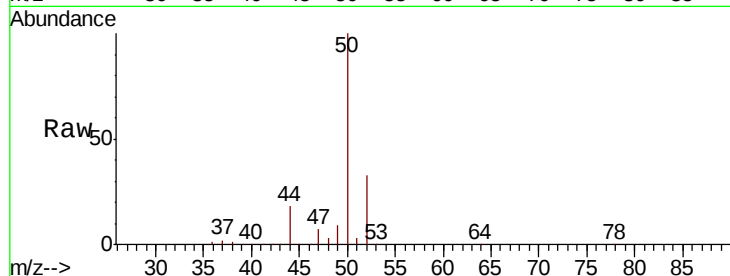
VX0913MBS01

Tot Ion: 50 Resp: 70388

Ion Ratio Lower Upper

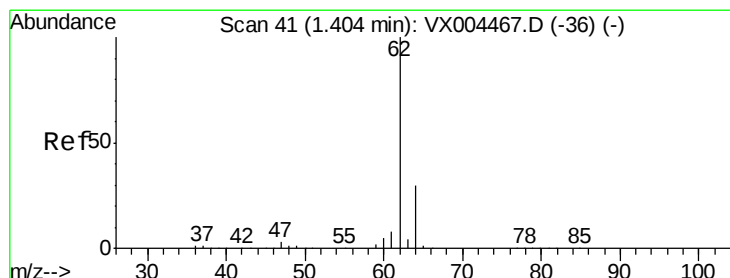
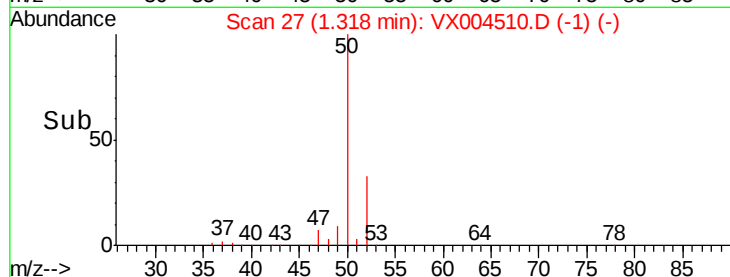
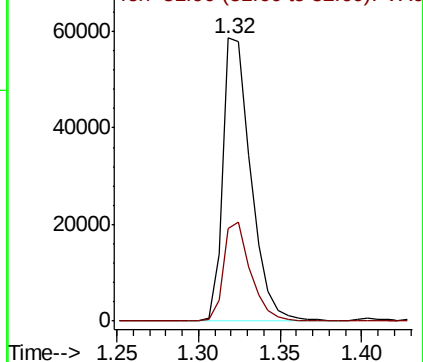
50 100

52 32.6 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: 19.34 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX004510.D

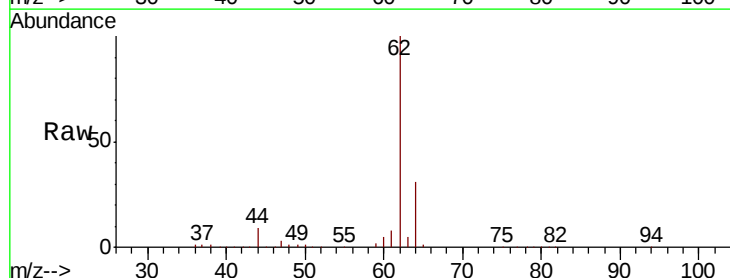
Acq: 13 Sep 2018 12:34

Tgt Ion: 62 Resp: 77638

Ion Ratio Lower Upper

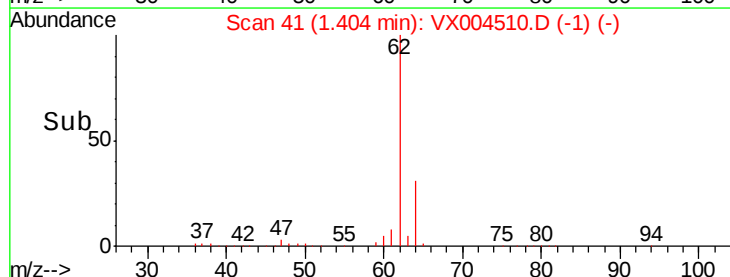
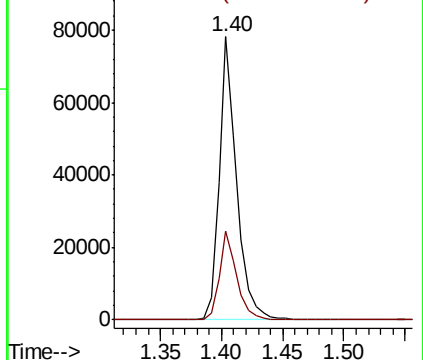
62 100

64 31.5 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: 22.04 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

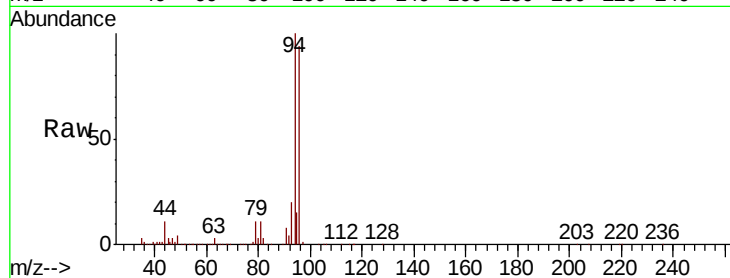
VX0913MBS01

Tot Ion: 94 Resp: 38146

Ion Ratio Lower Upper

94 100

96 94.2 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

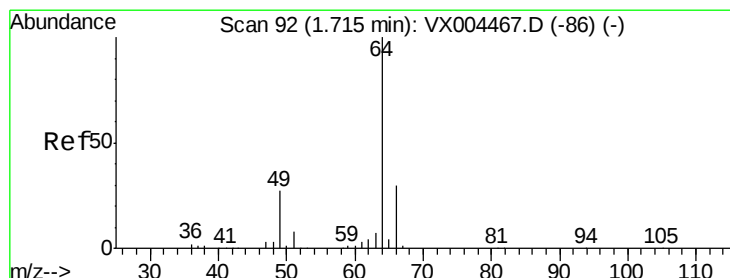
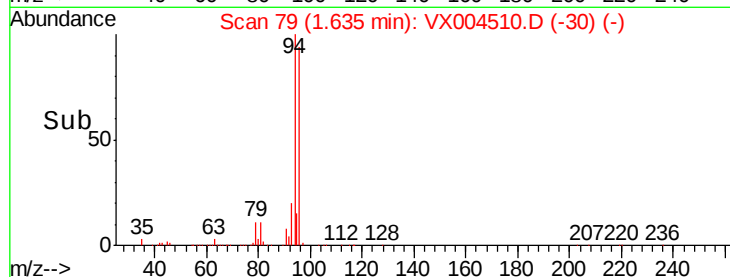
20000

10000

0

1.60 1.70

Time-->



#6

Chloroethane

Concen: 18.39 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004510.D

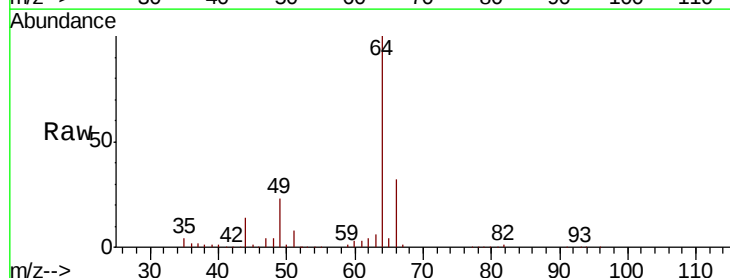
Acq: 13 Sep 2018 12:34

Tgt Ion: 64 Resp: 47742

Ion Ratio Lower Upper

64 100

66 32.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

30000

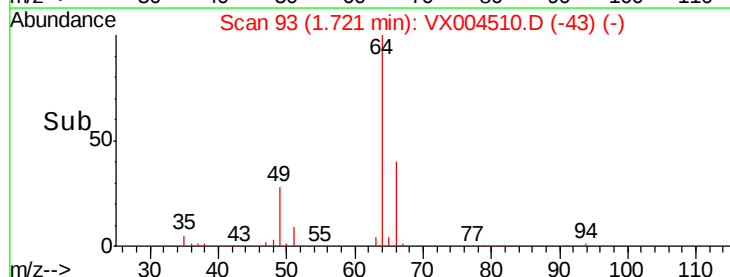
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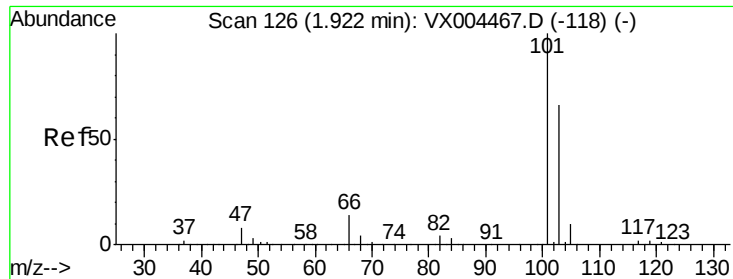
10000

0

1.65 1.70 1.75 1.80

Time-->



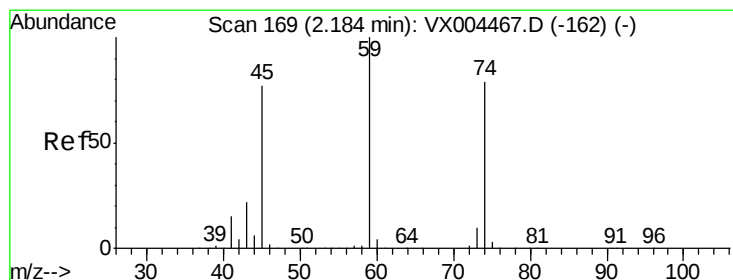
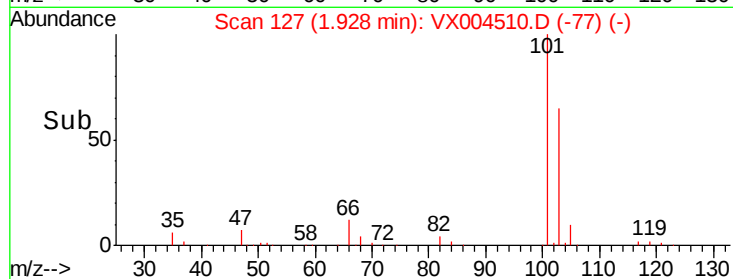
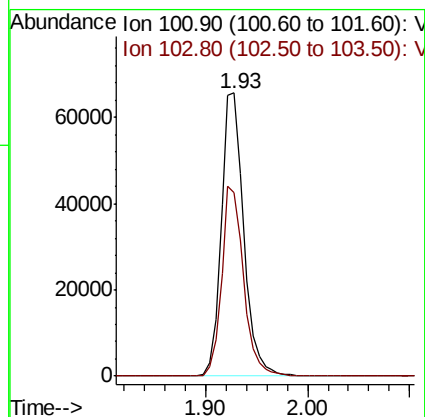
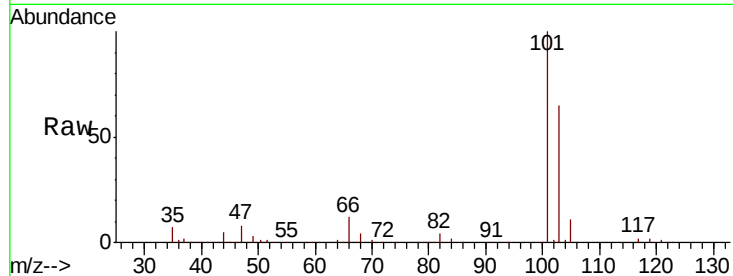


#7

Trichlorofluoromethane
 Concen: 19.03 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

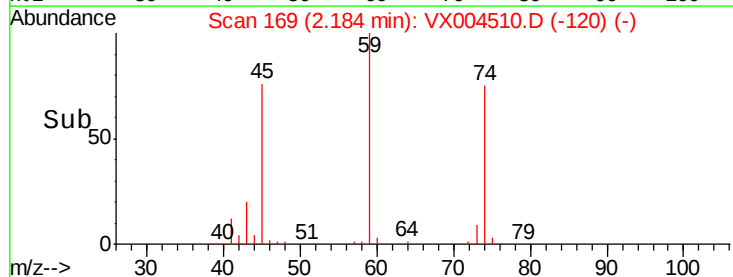
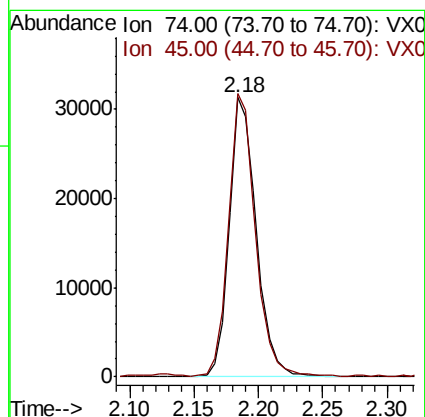
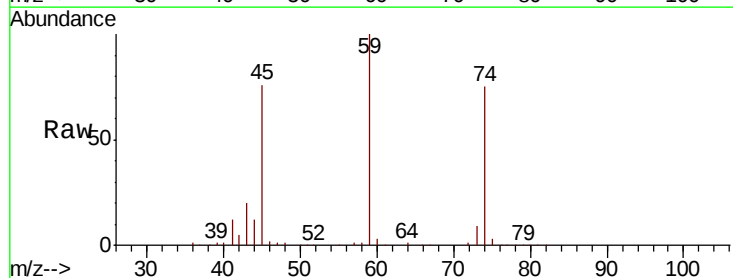
Tot Ion:101 Resp: 101233
 Ion Ratio Lower Upper
 101 100
 103 64.9 48.9 73.3



#8

Diethyl Ether
 Concen: 19.30 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion: 74 Resp: 46026
 Ion Ratio Lower Upper
 74 100
 45 100.2 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.06 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

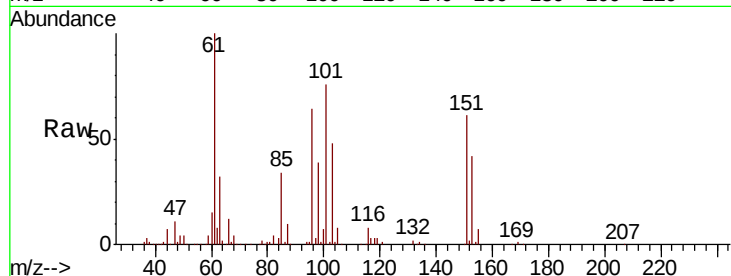
Tot Ion:101 Resp: 64332

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.4

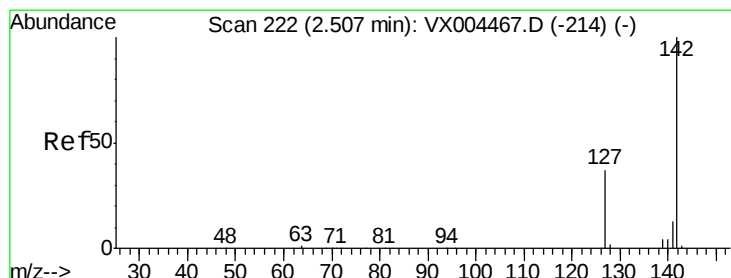
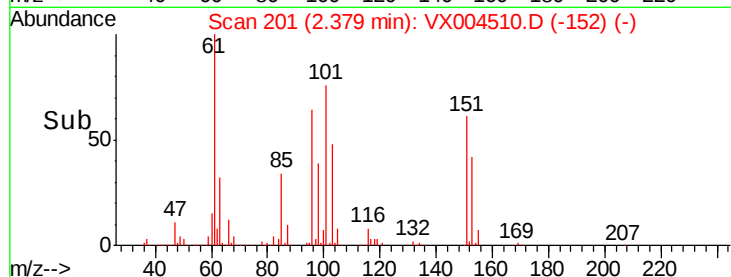
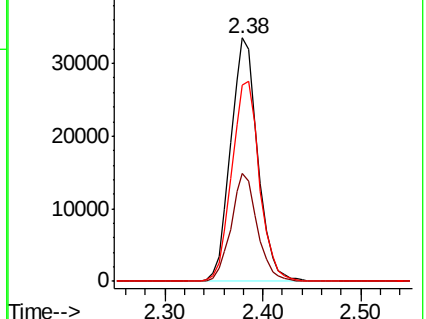
151 84.3 65.0 97.6



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: 20.11 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

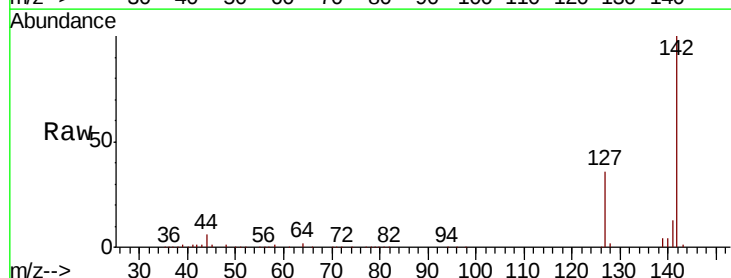
Tgt Ion:142 Resp: 69896

Ion Ratio Lower Upper

142 100

127 39.1 33.8 50.6

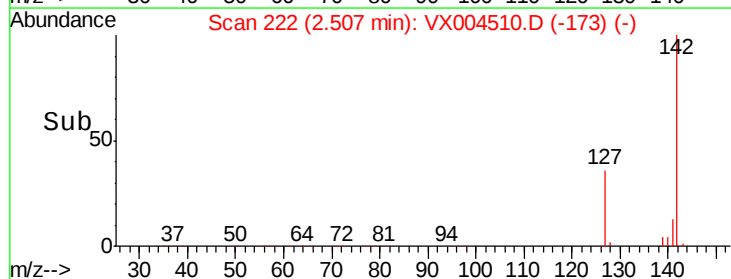
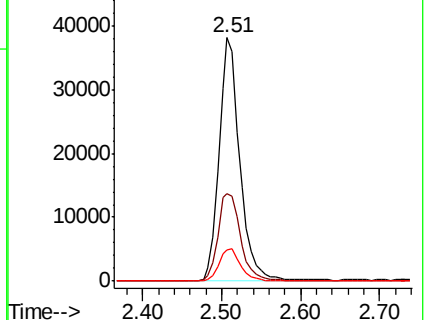
141 13.6 11.4 17.0

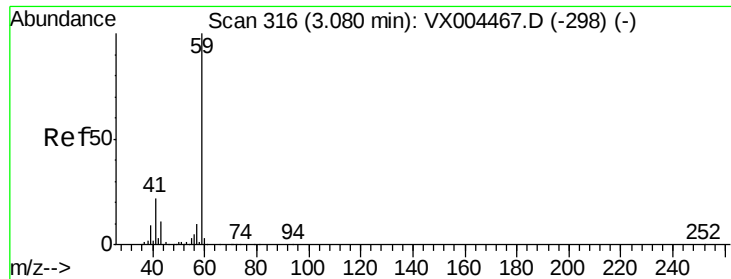


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

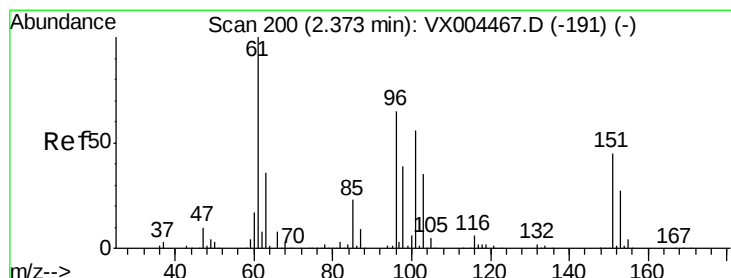
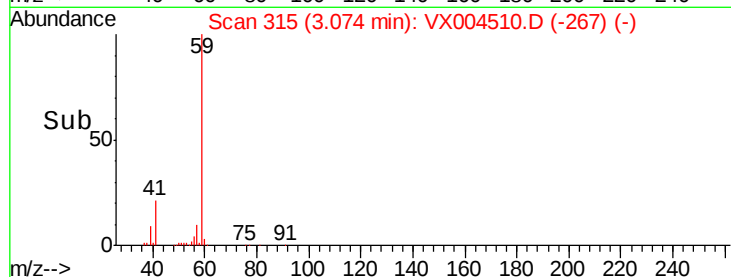
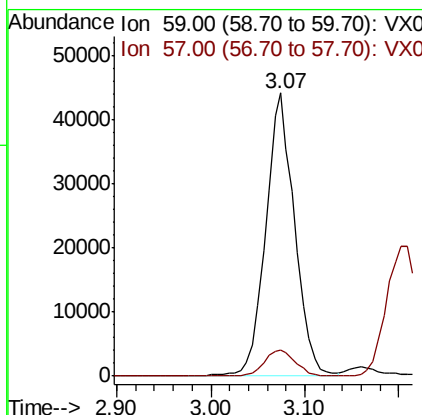
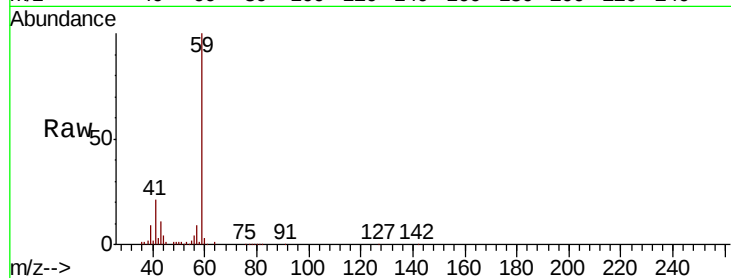




#11
Tert butyl alcohol
Concen: 102.03 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

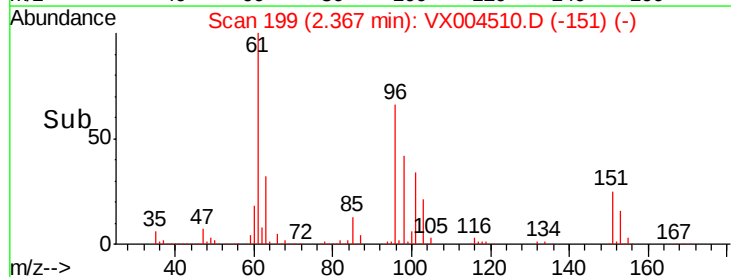
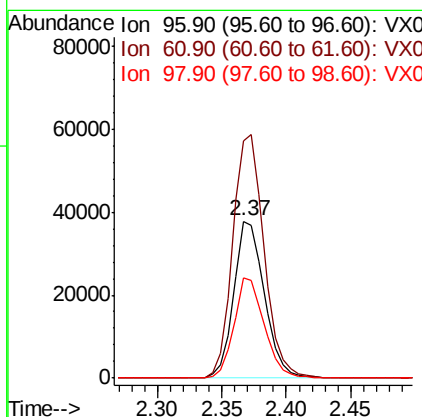
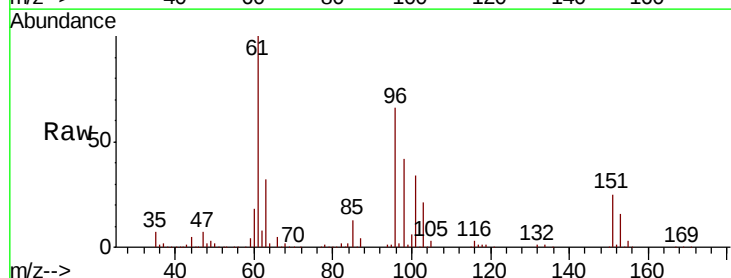
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

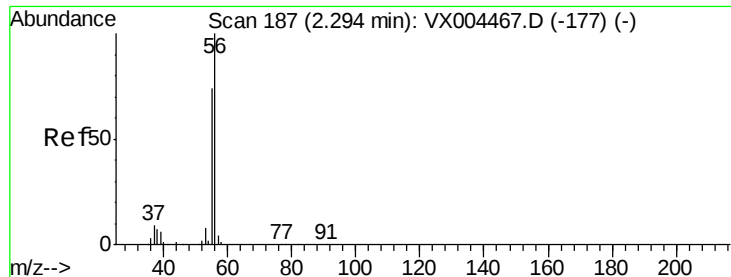
Tot Ion: 59 Resp: 95179
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.72 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 96 Resp: 62467
Ion Ratio Lower Upper
96 100
61 151.0 128.8 193.2
98 63.9 52.2 78.2





#13

Acrolein

Concen: 92.76 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

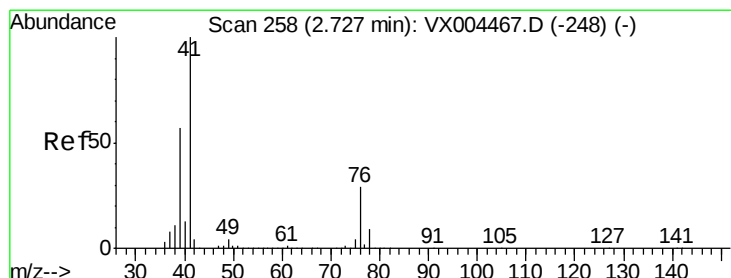
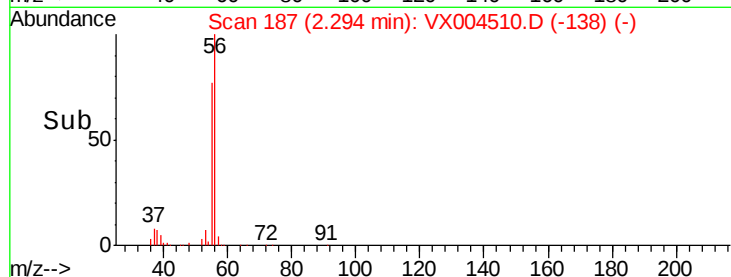
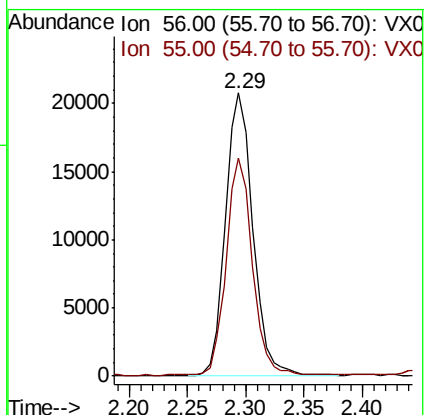
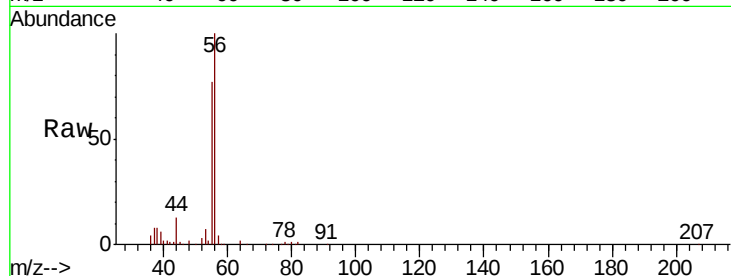
VX0913MBS01

Tot Ion: 56 Resp: 34155

Ion Ratio Lower Upper

56 100

55 72.3 54.7 82.1



#14

Allyl chloride

Concen: 19.02 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

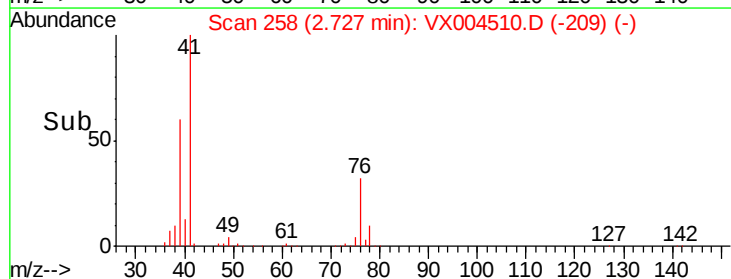
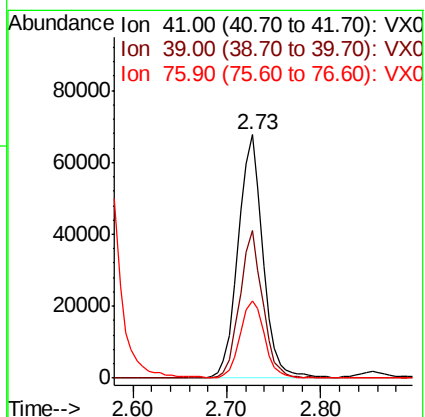
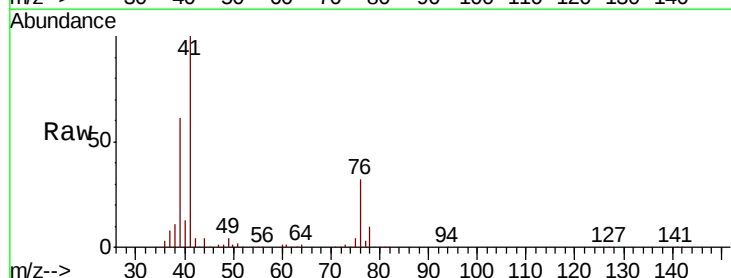
Tgt Ion: 41 Resp: 123881

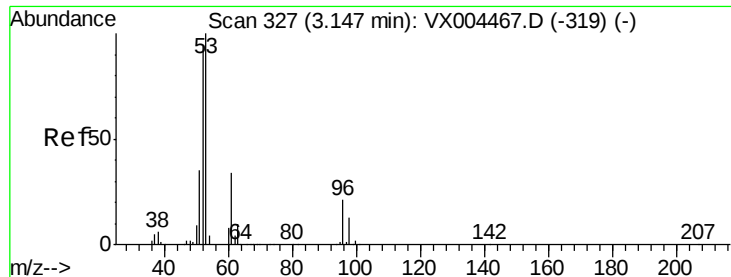
Ion Ratio Lower Upper

41 100

39 56.1 48.9 73.3

76 31.6 26.7 40.1





#15

Acrylonitrile

Concen: 95.86 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0913MBS01

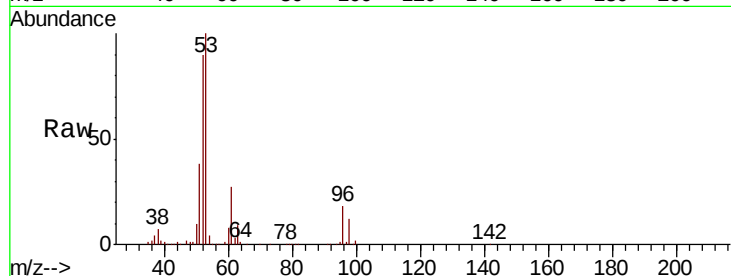
Tot Ion: 53 Resp: 215329

Ion Ratio Lower Upper

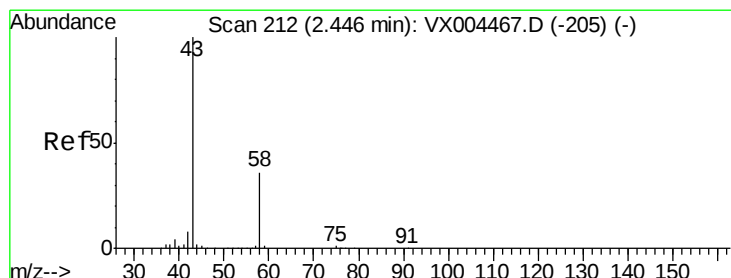
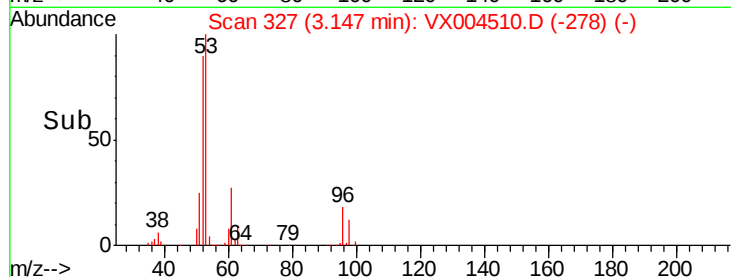
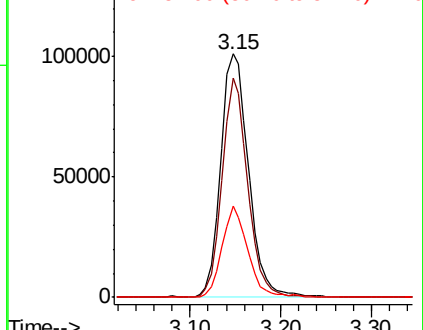
53 100

52 82.9 65.2 97.8

51 34.8 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: 89.73 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX004510.D

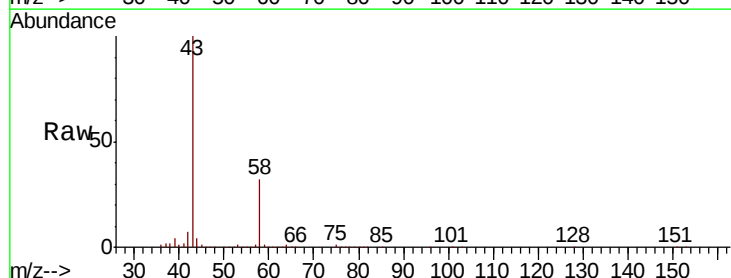
Acq: 13 Sep 2018 12:34

Tgt Ion: 43 Resp: 171210

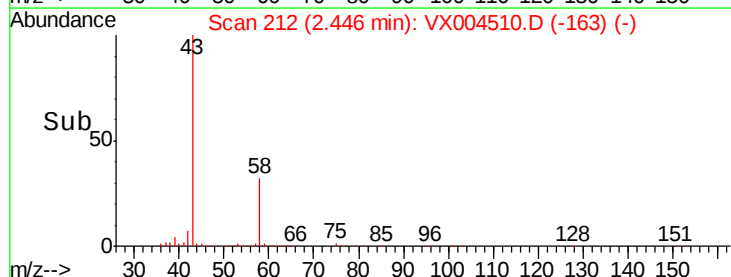
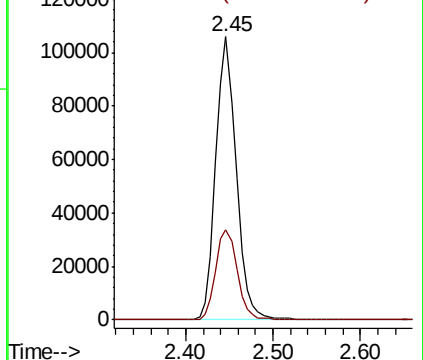
Ion Ratio Lower Upper

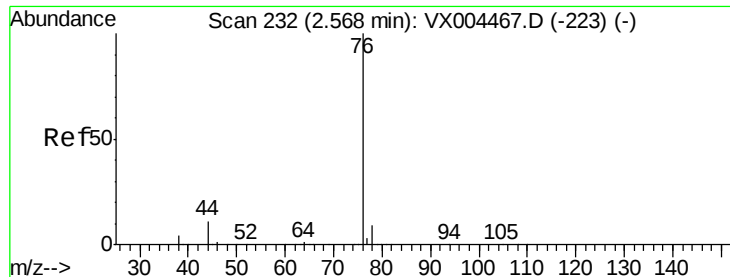
43 100

58 32.0 26.2 39.4



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

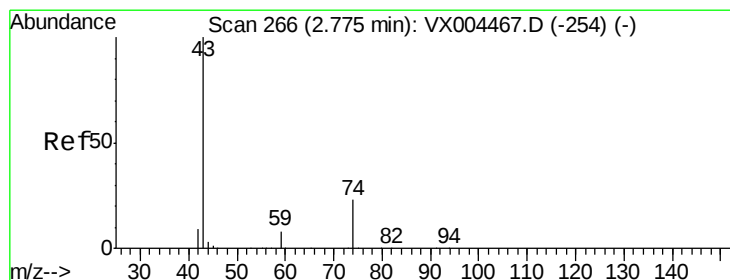
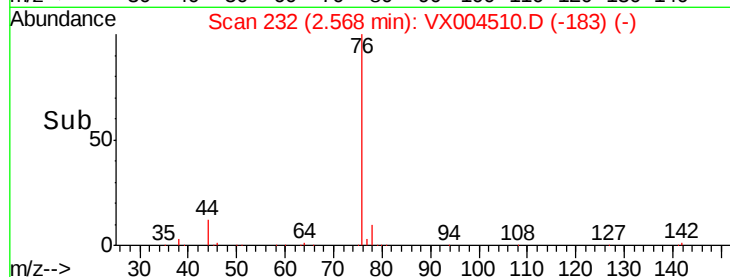
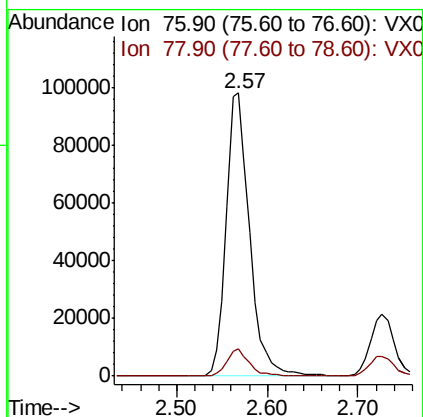
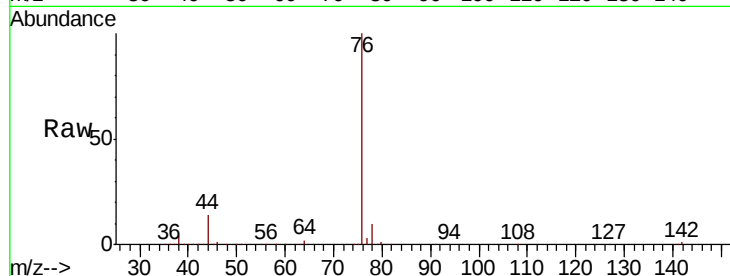




#17
Carbon Disulfide
Concen: 19.18 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

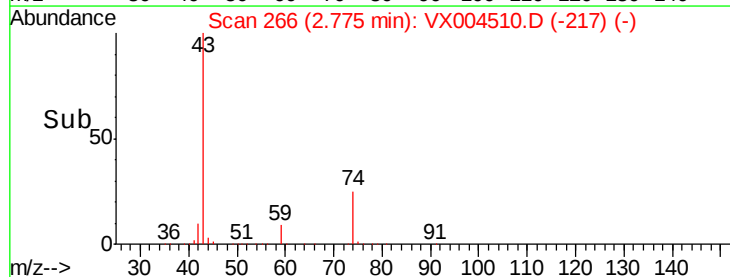
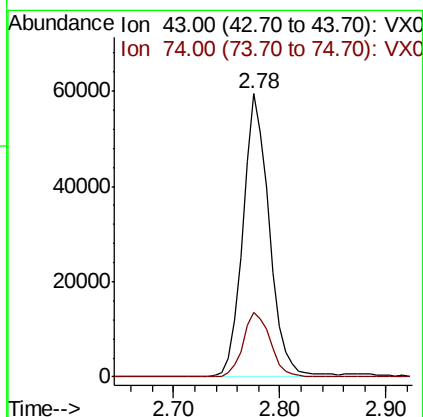
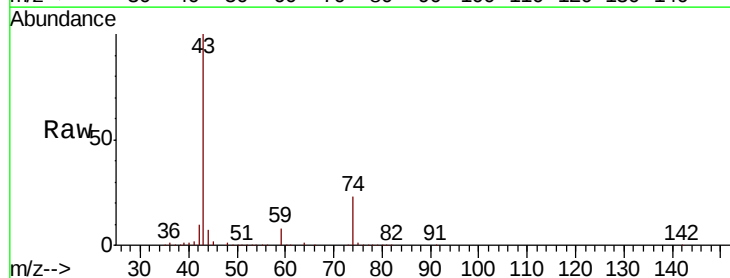
Instrument :
MSVOA_X
ClientSampled :
VX0913MBS01

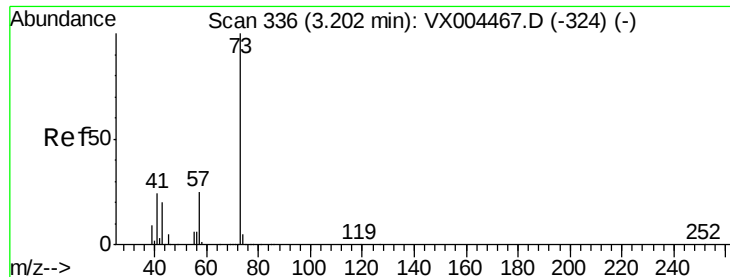
Tot Ion: 76 Resp: 175584
Ion Ratio Lower Upper
76 100
78 9.7 7.0 10.6



#18
Methyl Acetate
Concen: 19.17 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 43 Resp: 102632
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2



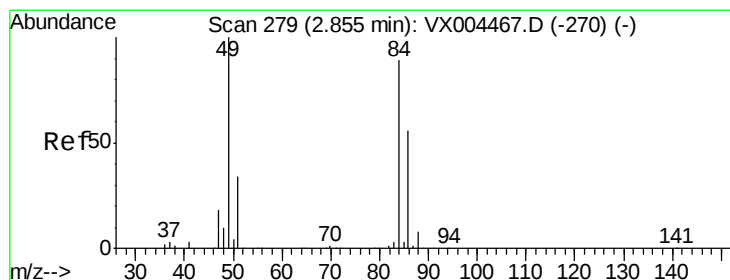
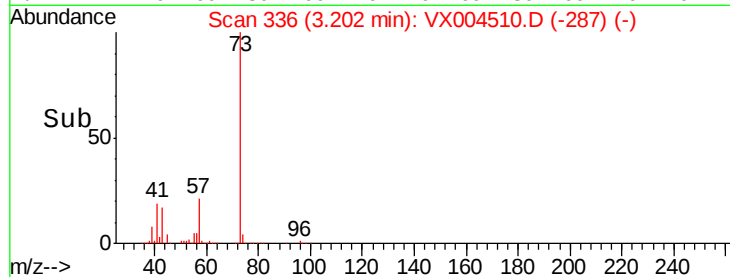
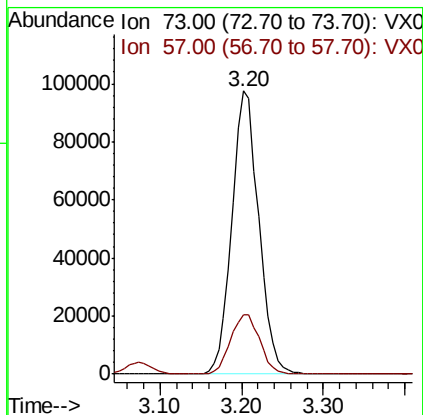
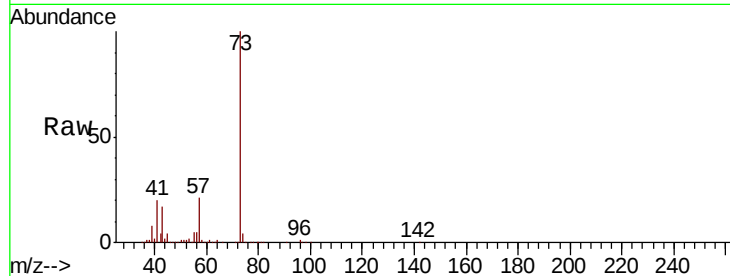


#19

Methyl tert-butyl Ether
 Concen: 19.86 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0913MBS01

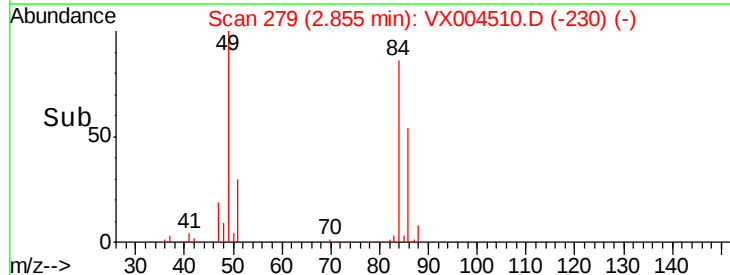
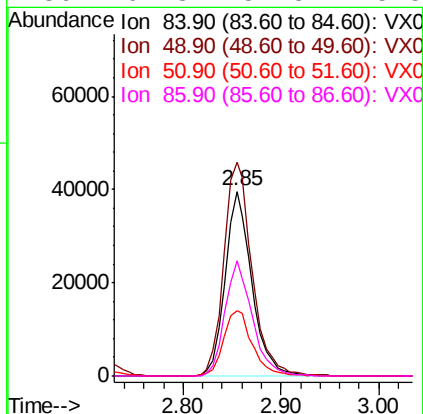
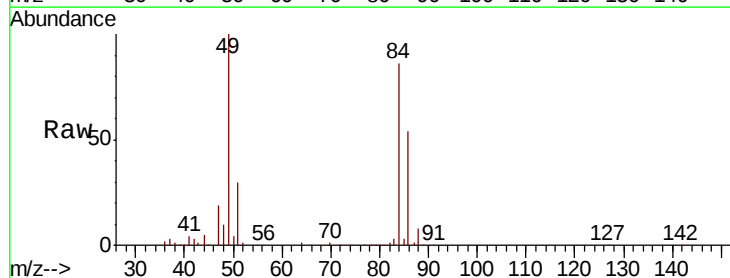
Tot Ion: 73 Resp: 220743
 Ion Ratio Lower Upper
 73 100
 57 20.8 17.1 25.7

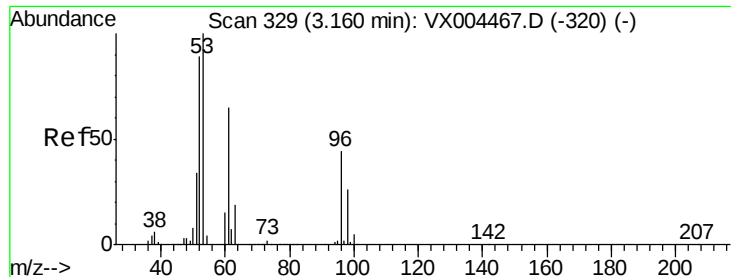


#20

Methylene Chloride
 Concen: 19.13 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion: 84 Resp: 74869
 Ion Ratio Lower Upper
 84 100
 49 115.7 101.2 151.8
 51 35.0 29.5 44.3
 86 62.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 19.72 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

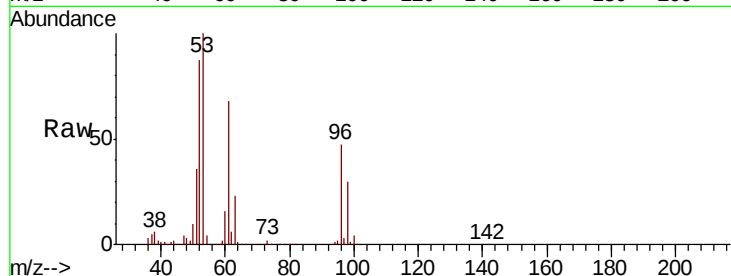
Tot Ion: 96 Resp: 69030

Ion Ratio Lower Upper

96 100

61 146.4 113.8 170.6

98 64.4 51.8 77.8

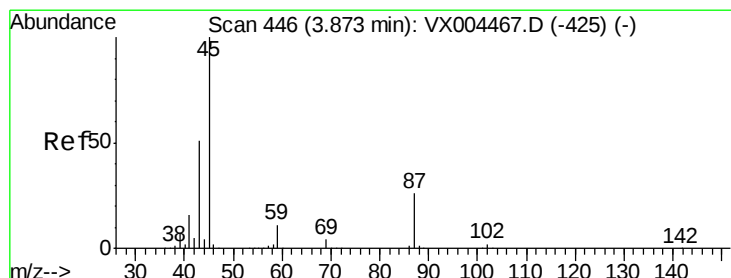
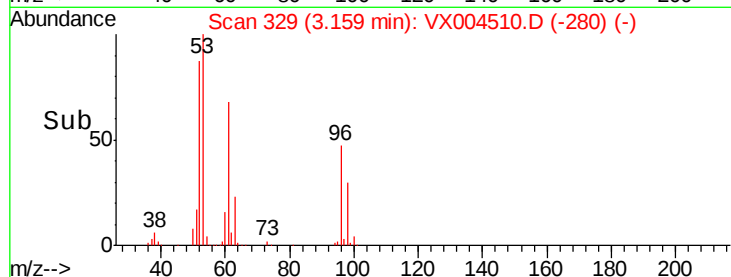
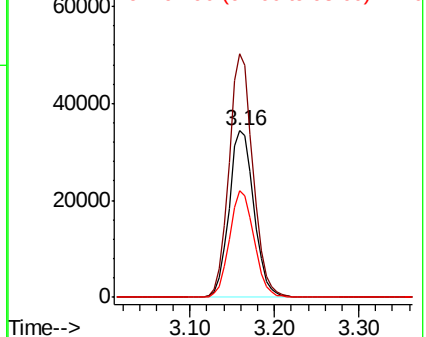


Abundance

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: 19.15 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Tgt Ion: 45 Resp: 224663

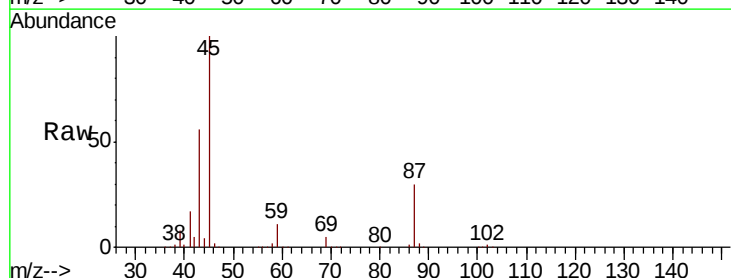
Ion Ratio Lower Upper

45 100

43 55.4 42.8 64.2

87 29.5 22.6 34.0

59 11.1 9.6 14.4



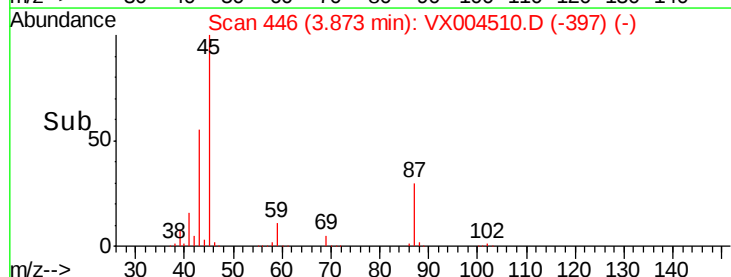
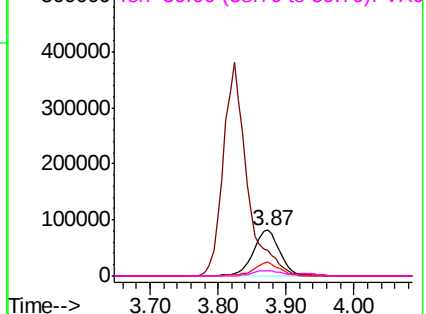
Abundance

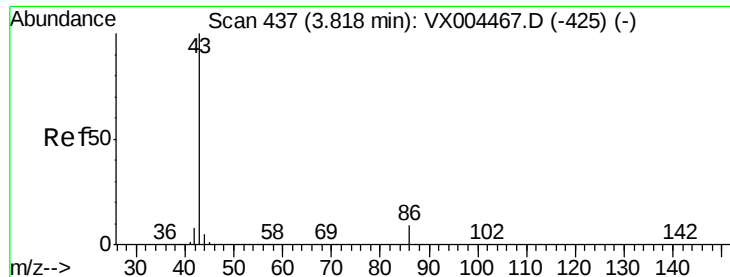
Ion 45.00 (44.70 to 45.70): VX0

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: 98.28 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

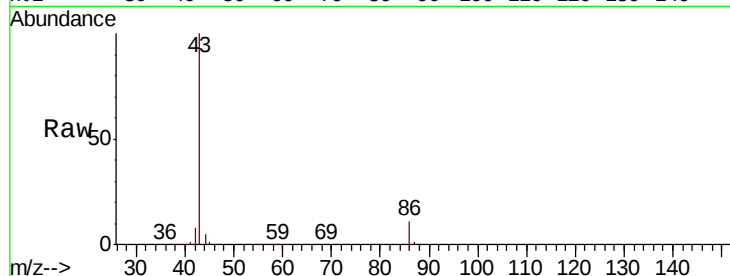
VX0913MBS01

Tot Ion: 43 Resp: 932967

Ion Ratio Lower Upper

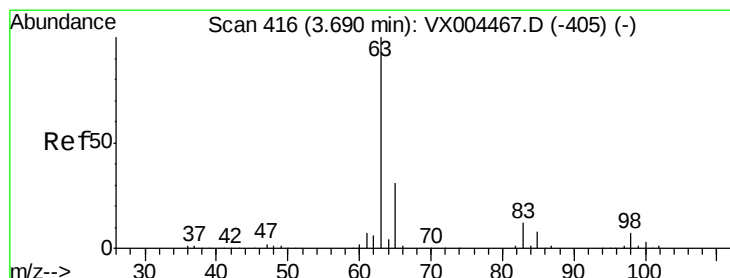
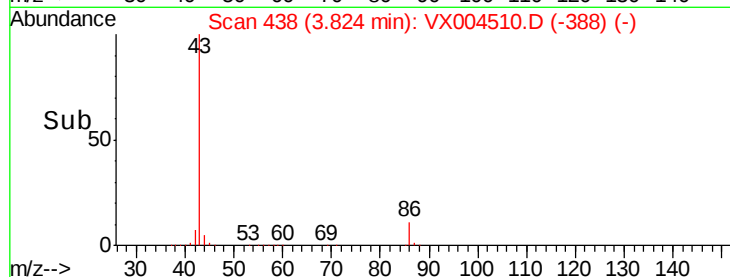
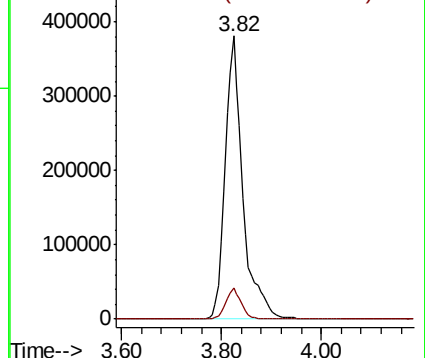
43 100

86 10.9 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: 19.29 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

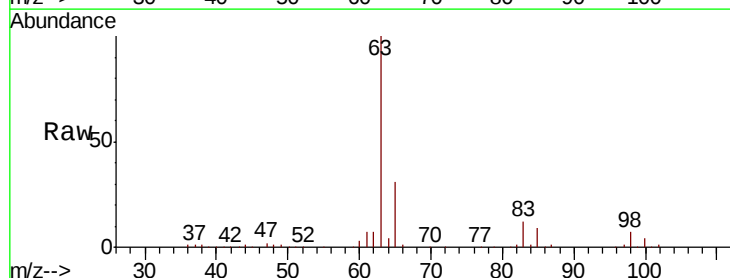
Tgt Ion: 63 Resp: 127760

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

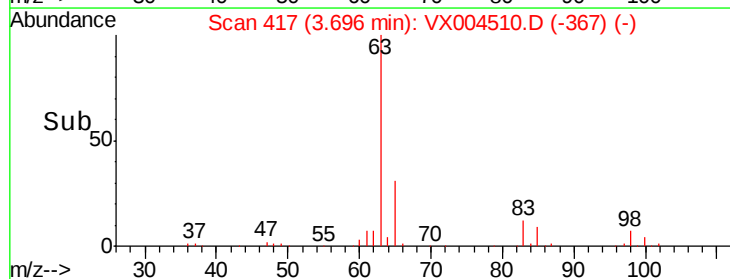
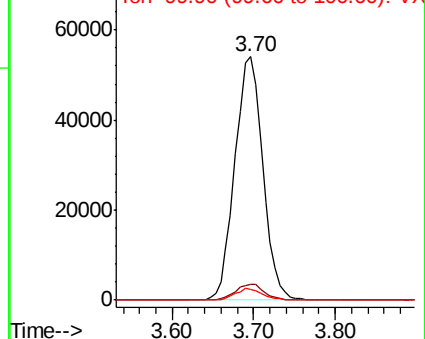
100 4.3 2.4 7.1

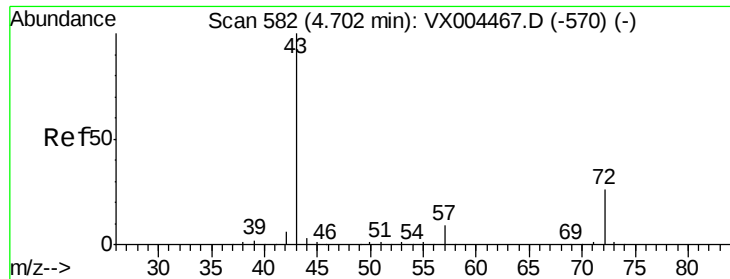


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 91.43 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

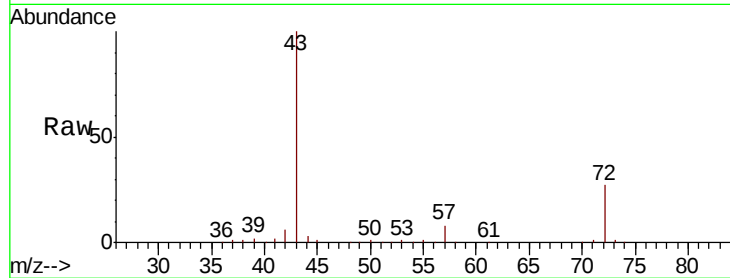
VX0913MBS01

Tot Ion: 43 Resp: 277643

Ion Ratio Lower Upper

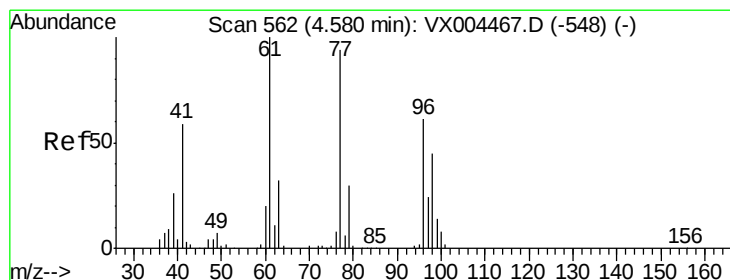
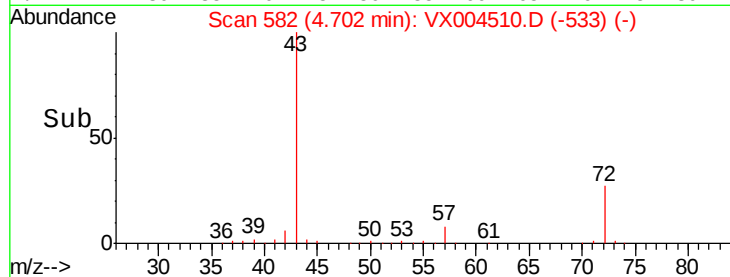
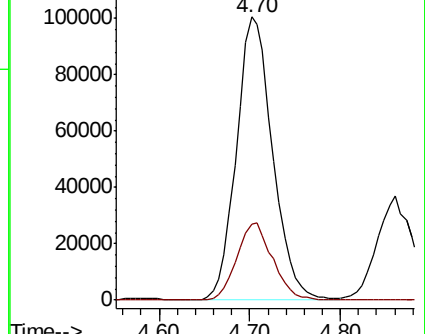
43 100

72 27.0 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: 21.20 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX004510.D

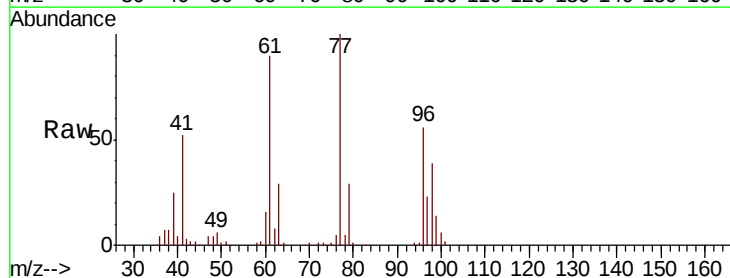
Acq: 13 Sep 2018 12:34

Tgt Ion: 77 Resp: 96453

Ion Ratio Lower Upper

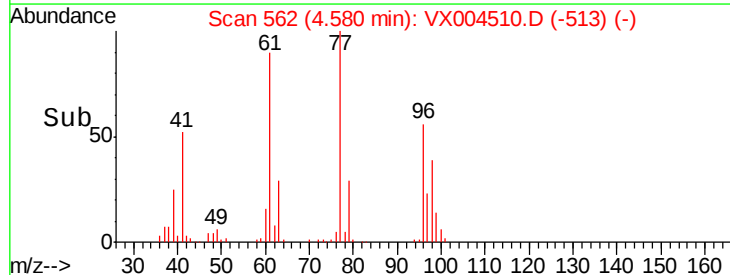
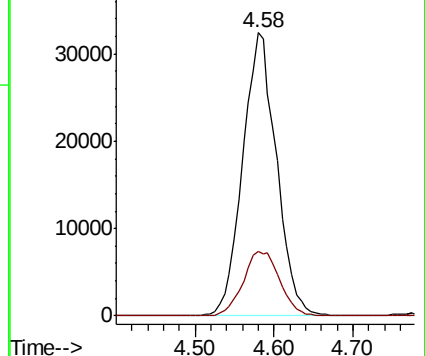
77 100

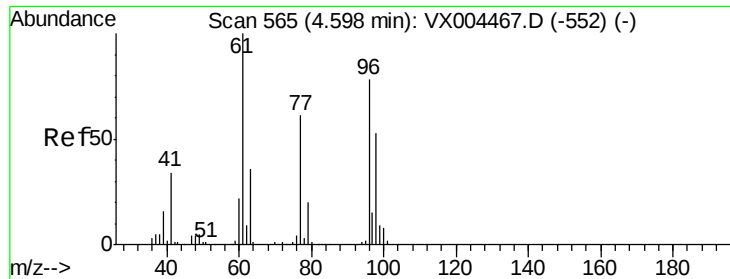
97 24.5 11.7 35.0



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: 19.78 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

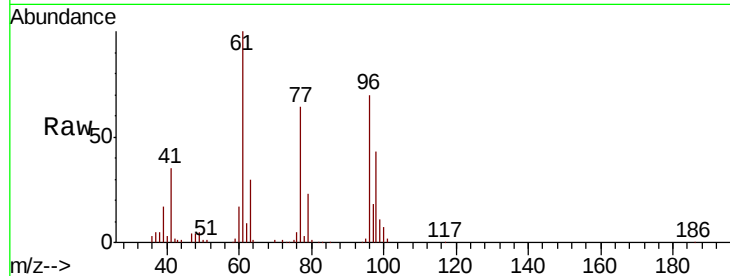
Tot Ion: 96 Resp: 77277

Ion Ratio Lower Upper

96 100

61 142.4 0.0 282.6

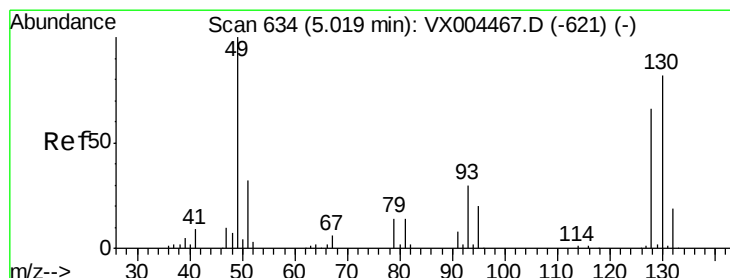
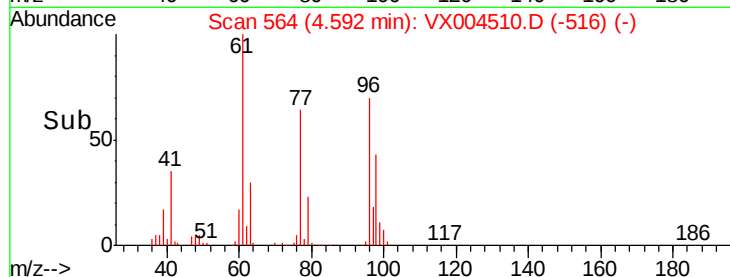
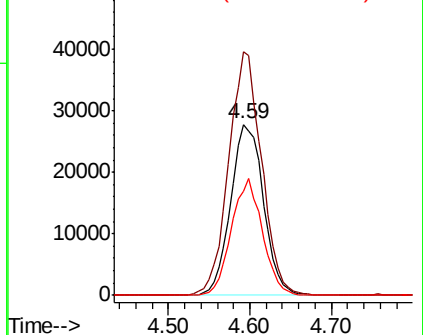
98 64.4 0.0 130.2



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: 19.40 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

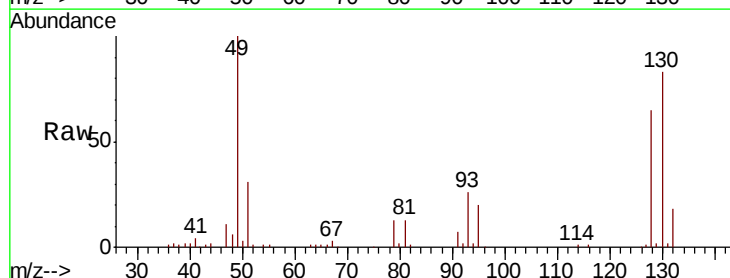
Tgt Ion: 49 Resp: 58775

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

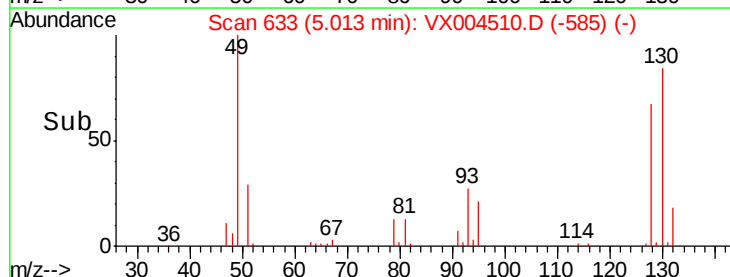
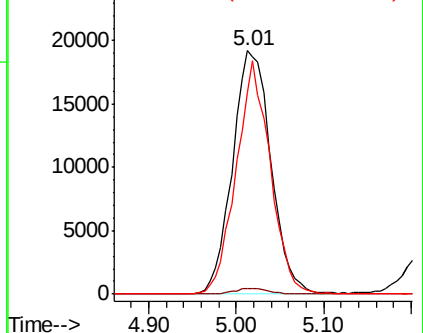
130 85.0 67.5 101.3

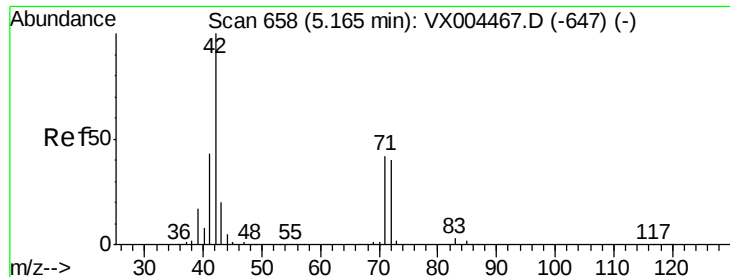


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.46 ug/l

RT: 5.16 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

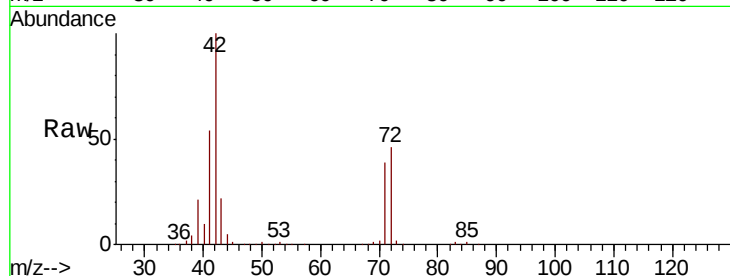
Tot Ion: 42 Resp: 180318

Ion Ratio Lower Upper

42 100

72 45.7 37.4 56.0

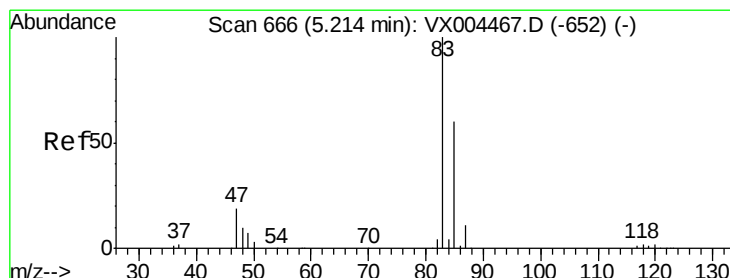
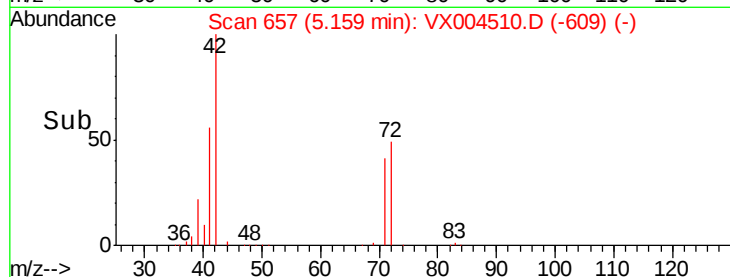
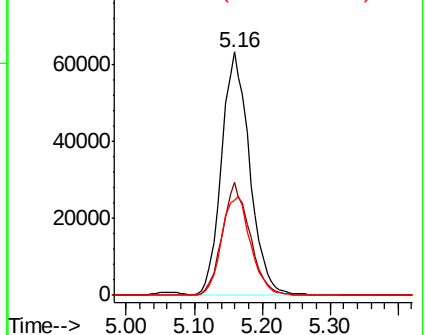
71 42.3 34.5 51.7



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: 19.15 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX004510.D

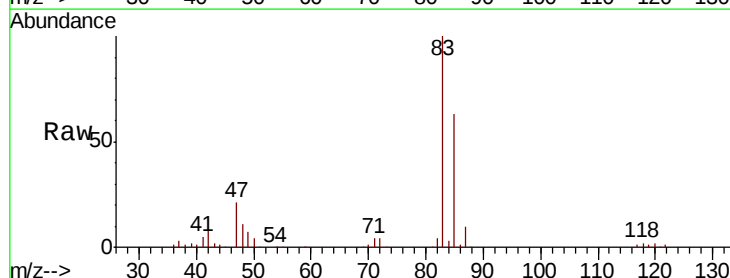
Acq: 13 Sep 2018 12:34

Tgt Ion: 83 Resp: 123830

Ion Ratio Lower Upper

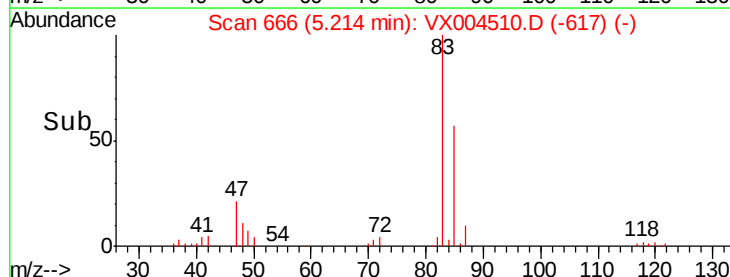
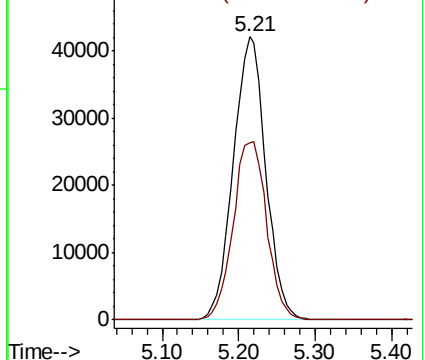
83 100

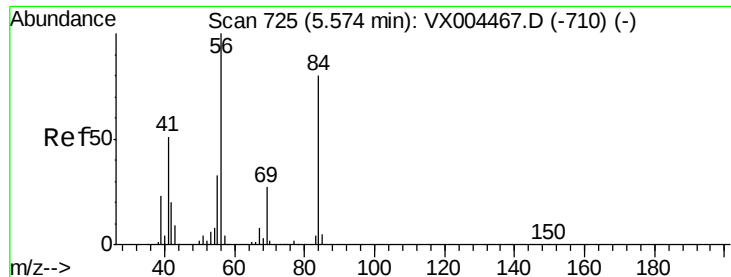
85 62.5 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

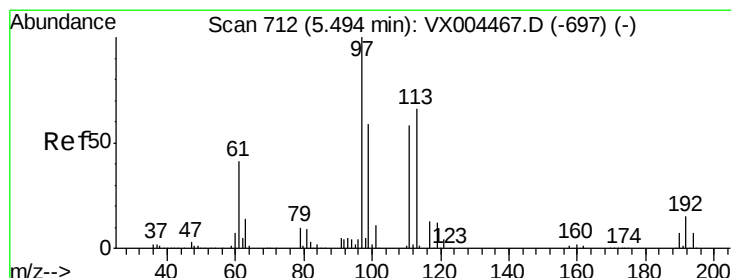
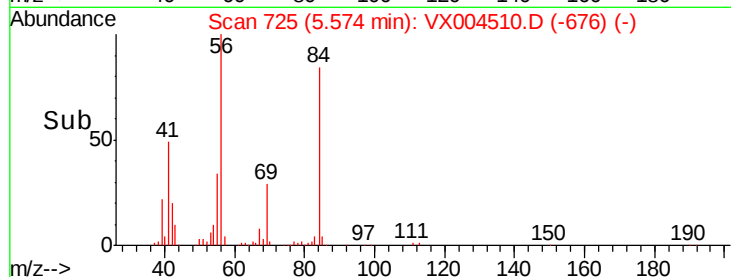
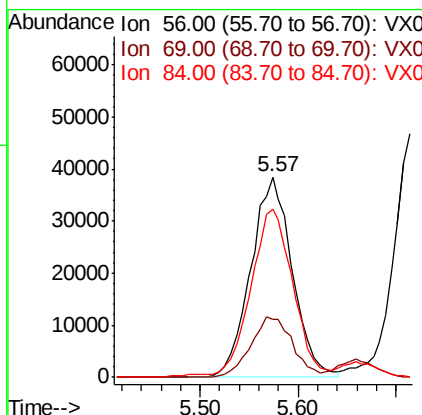
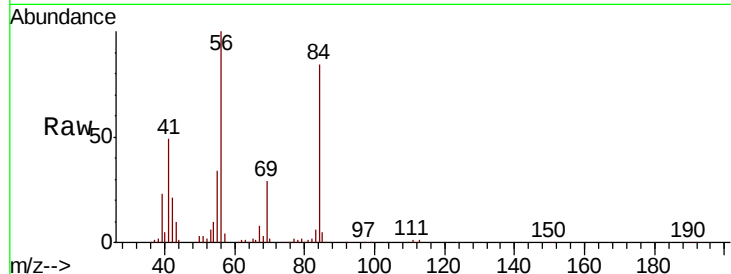




#31
Cyclohexane
Concen: 20.01 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

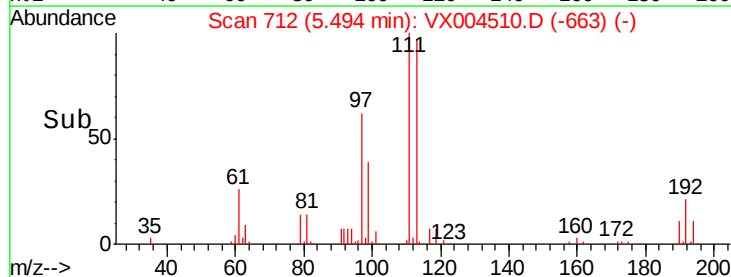
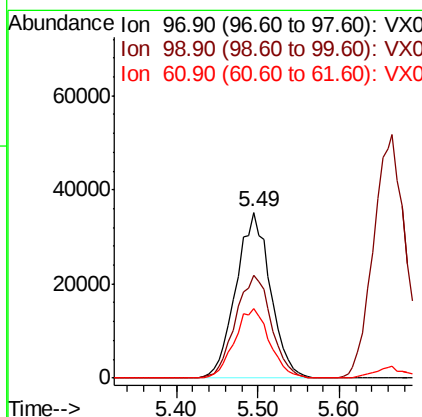
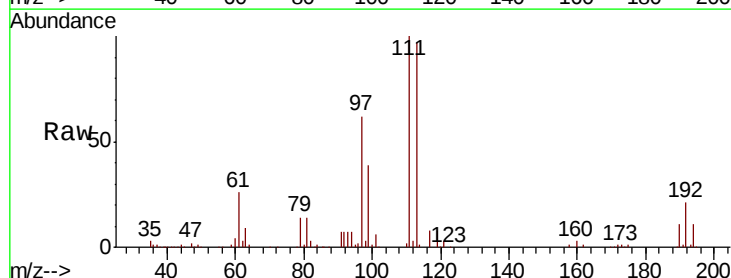
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion: 56 Resp: 113149
Ion Ratio Lower Upper
56 100
69 28.7 25.4 38.2
84 82.4 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 19.74 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 97 Resp: 102822
Ion Ratio Lower Upper
97 100
99 64.7 52.0 78.0
61 43.0 34.9 52.3





#33

1,2-Dichloroethane-d4

Concen: 49.20 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

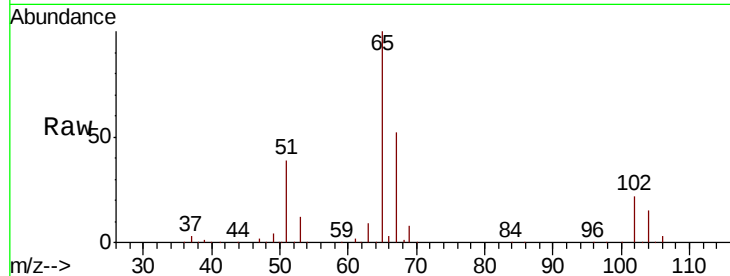
VX0913MBS01

Tot Ion: 65 Resp: 192328

Ion Ratio Lower Upper

65 100

67 55.1 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

60000

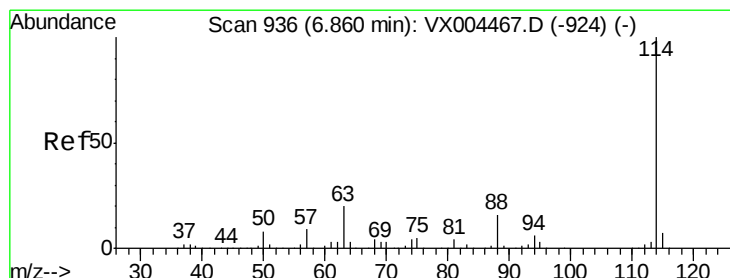
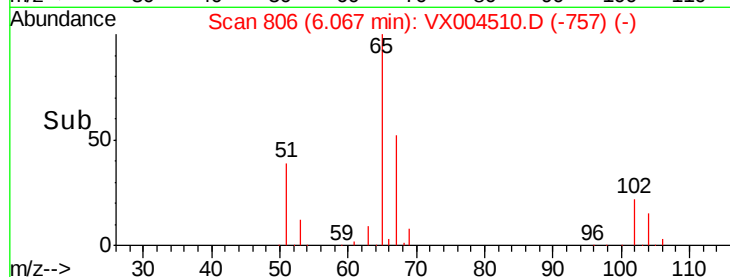
40000

20000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

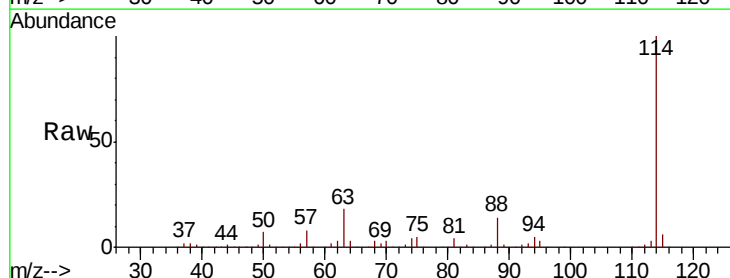
Tgt Ion: 114 Resp: 387377

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.0

88 13.8 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

200000

150000

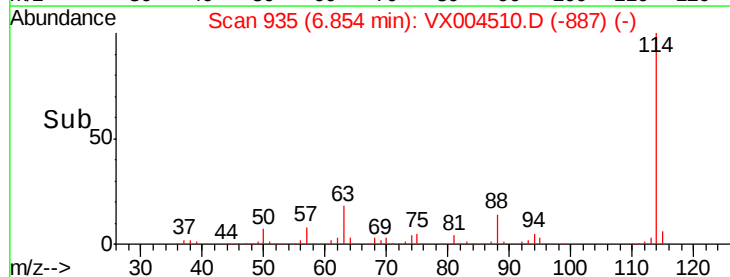
100000

50000

0

6.70 6.80 6.90 7.00

Time-->

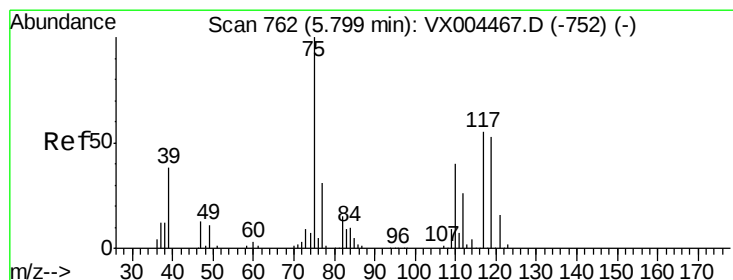
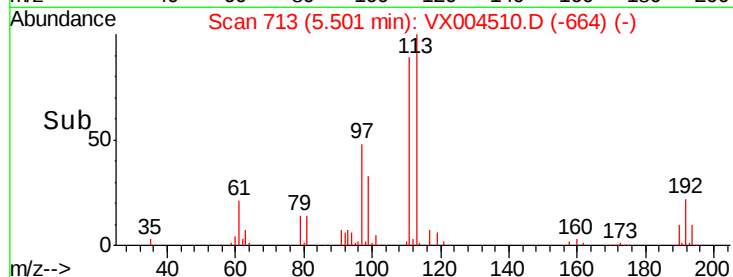
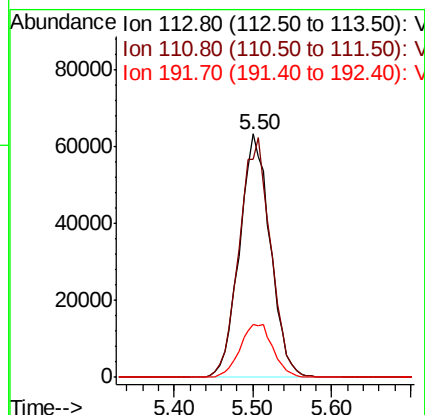
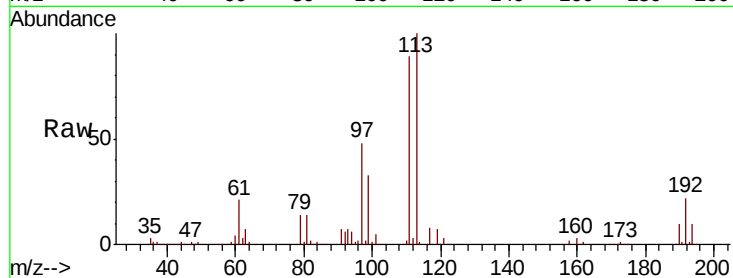




#35
 Dibromofluoromethane
 Concen: 48.37 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

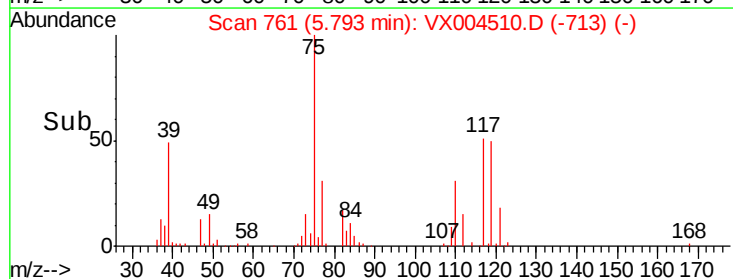
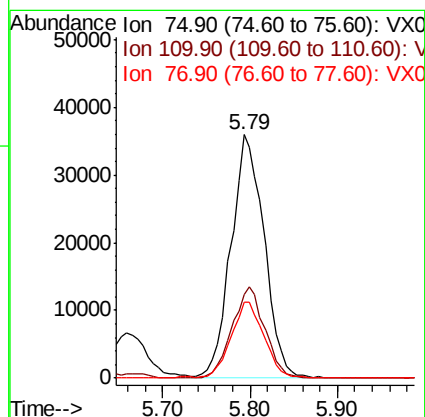
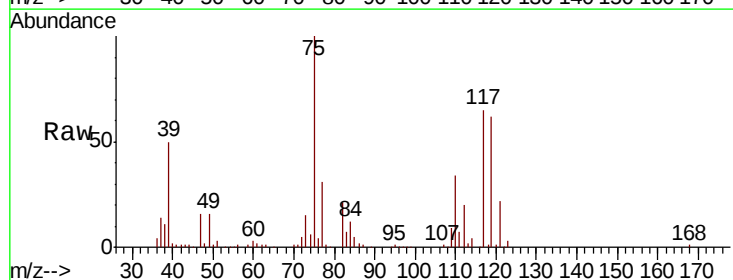
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

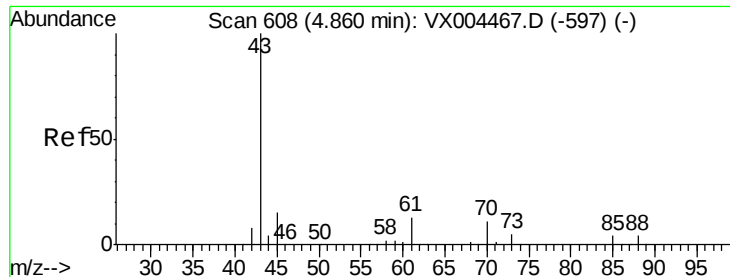
Tot Ion:113 Resp: 171458
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.4 123.6
 192 23.5 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 19.99 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion: 75 Resp: 94007
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.0 54.0
 77 31.8 24.6 36.8





#37

Ethyl Acetate

Concen: 19.23 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

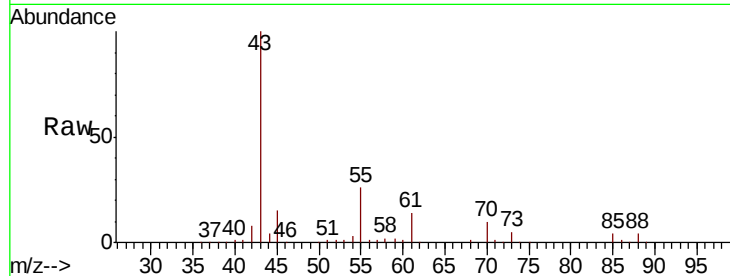
Tot Ion: 43 Resp: 102855

Ion Ratio Lower Upper

43 100

61 14.9 11.5 17.3

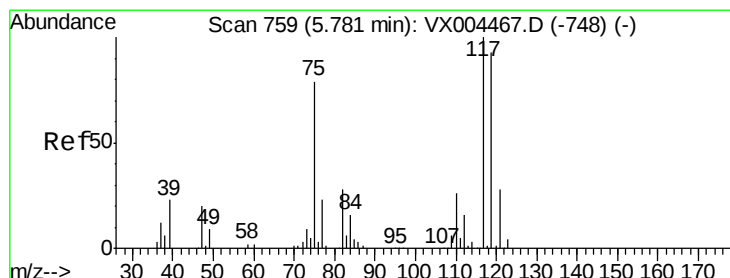
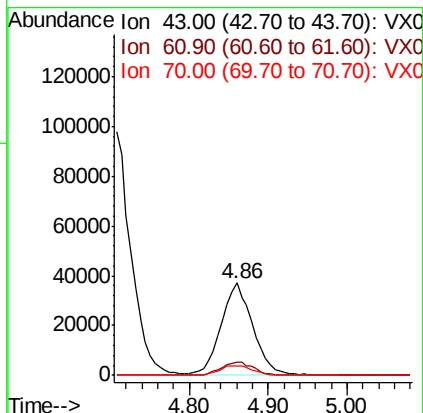
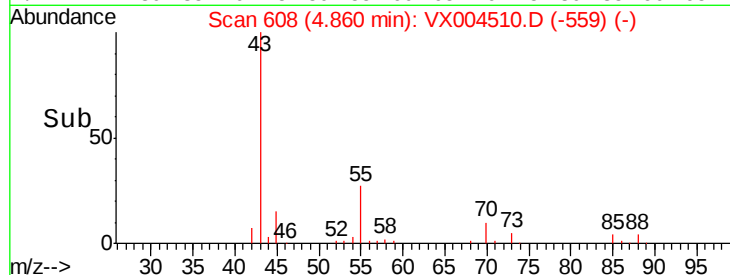
70 11.2 9.0 13.6



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: 19.43 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

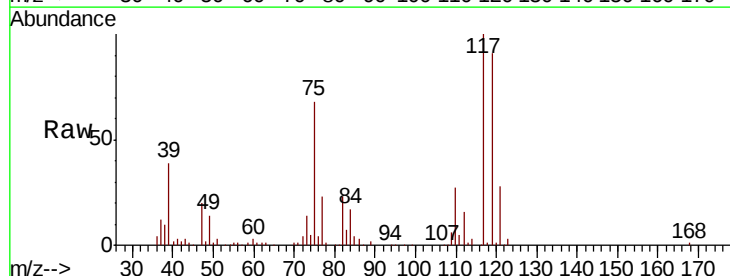
Tgt Ion: 117 Resp: 89271

Ion Ratio Lower Upper

117 100

119 91.1 78.8 118.2

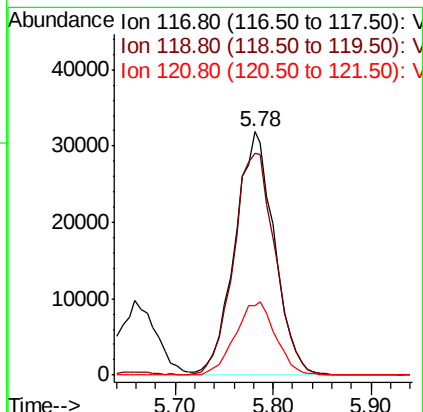
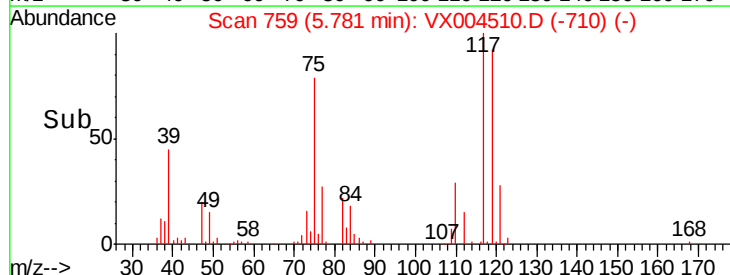
121 28.5 24.9 37.3

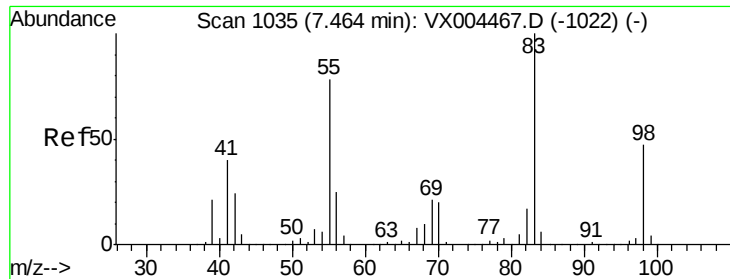


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

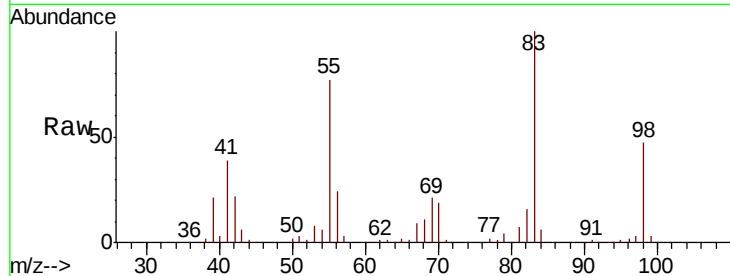




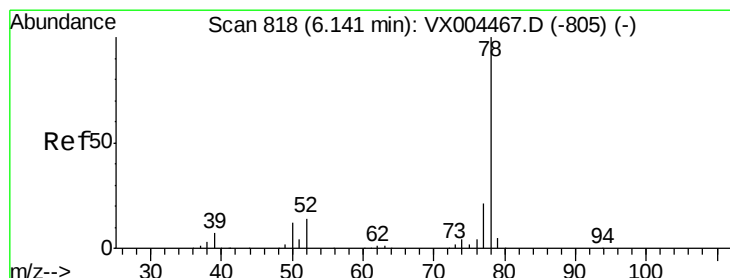
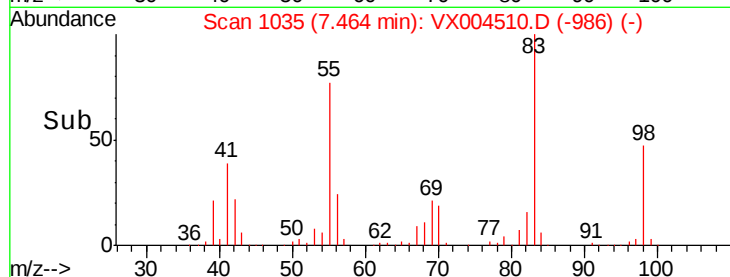
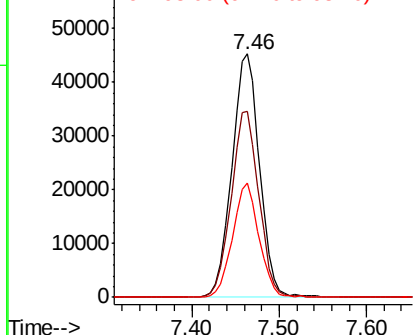
#39
Methvlcvclohexane
Concen: 20.29 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion	83	Resp	99568
Ion Ratio	Lower	Upper	
83	100		
55	76.6	61.0	91.4
98	46.8	39.6	59.4

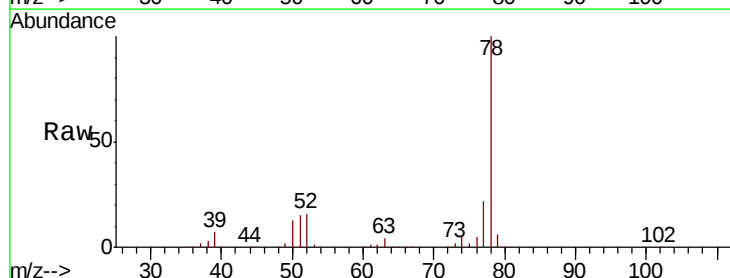


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

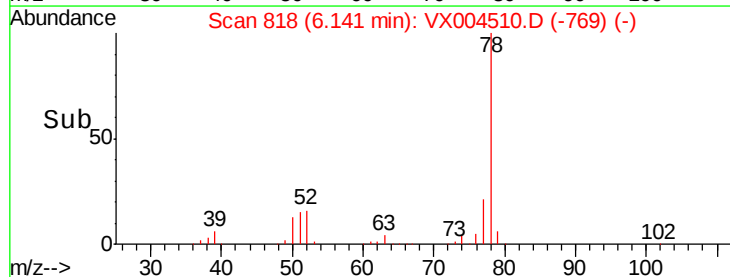
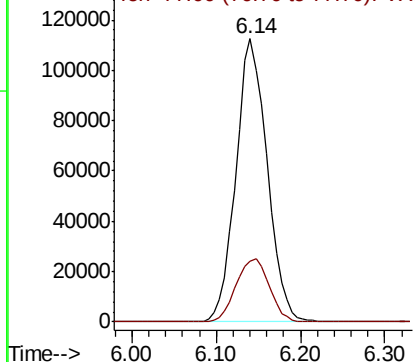


#40
Benzene
Concen: 20.20 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion	78	Resp	281855
Ion Ratio	Lower	Upper	
78	100		
77	21.6	19.0	28.4



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

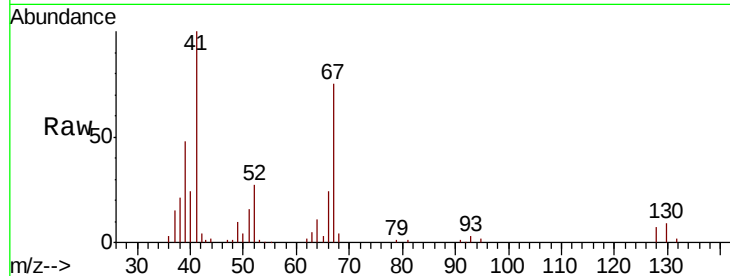




#41
Methacrylonitrile
Concen: 19.49 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampled :
VX0913MBS01

Tot Ion:	41	Resp:	57435
Ion	Ratio	Lower	Upper
41	100		
39	51.4	42.4	63.6
67	74.4	59.2	88.8
52	28.6	23.0	34.4



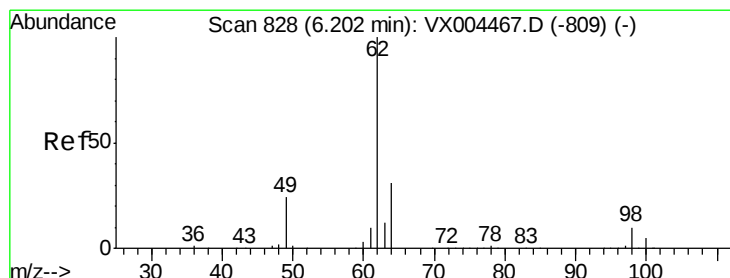
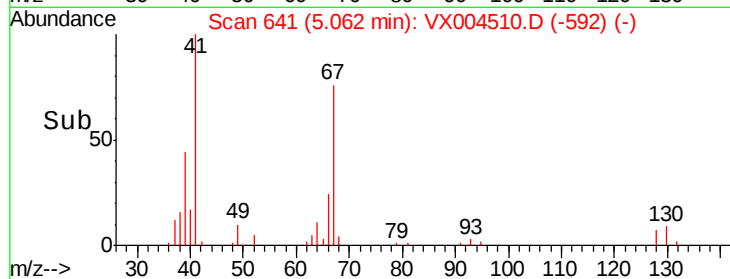
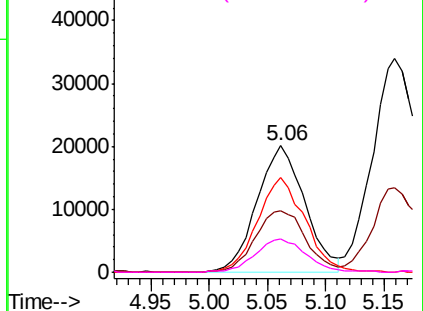
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

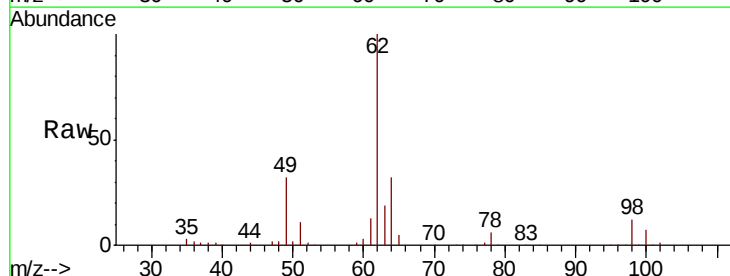
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 19.87 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.01 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

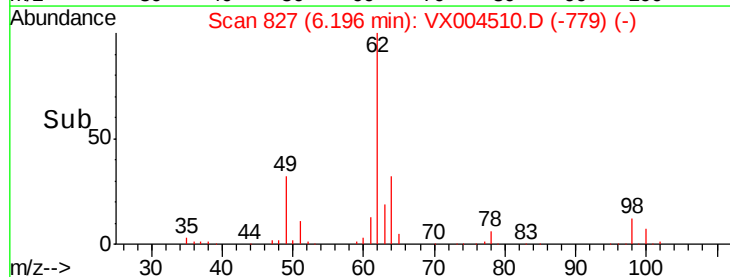
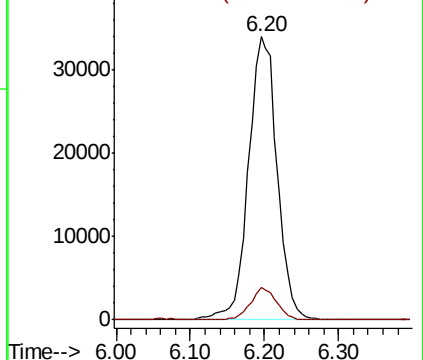
Tgt Ion:	62	Resp:	91959
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6

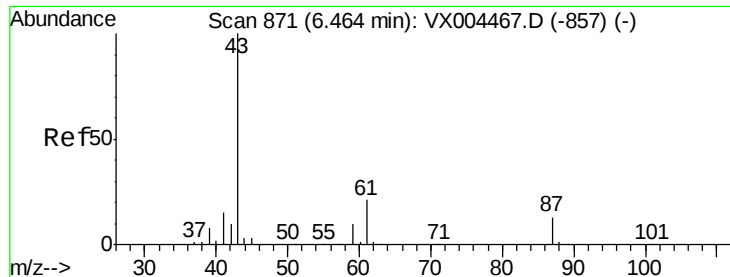


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 19.88 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

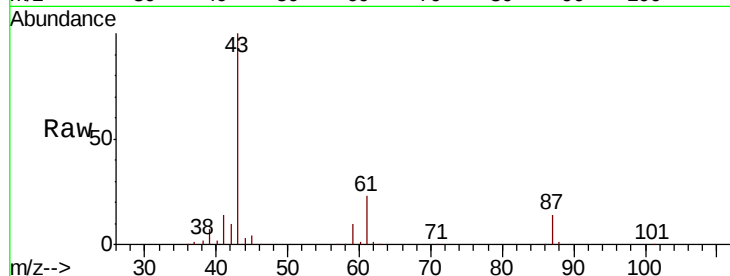
Tot Ion: 43 Resp: 141243

Ion Ratio Lower Upper

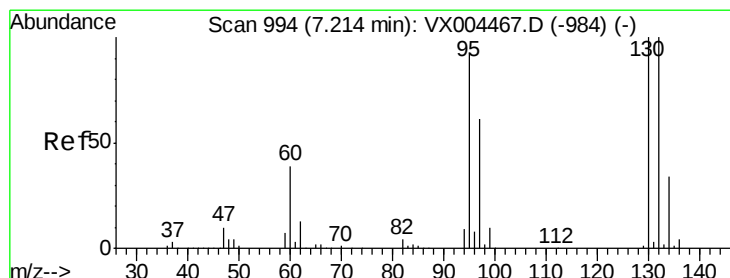
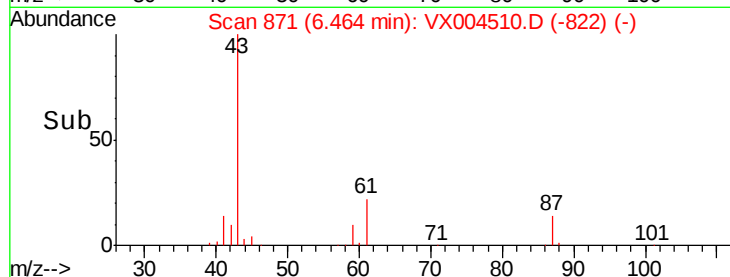
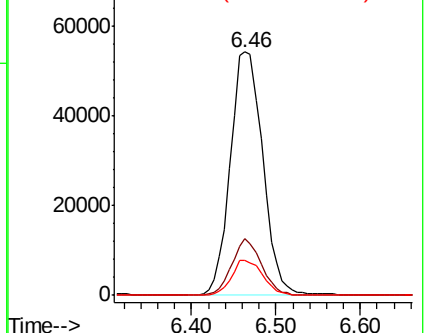
43 100

61 21.1 17.0 25.4

87 13.9 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: 19.70 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX004510.D

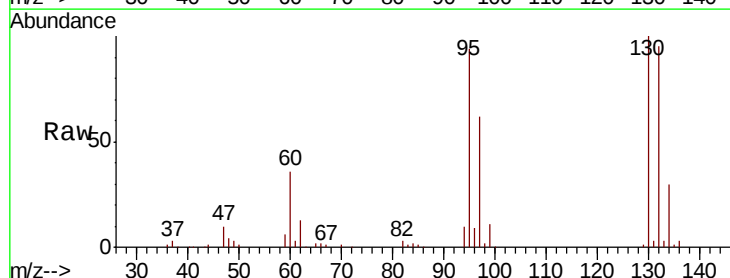
Acq: 13 Sep 2018 12:34

Tgt Ion: 130 Resp: 71435

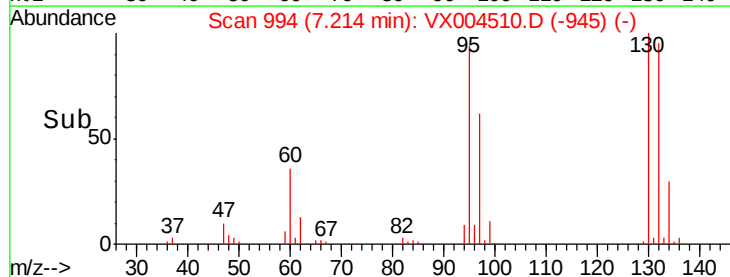
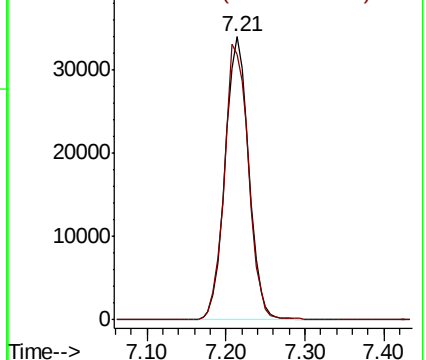
Ion Ratio Lower Upper

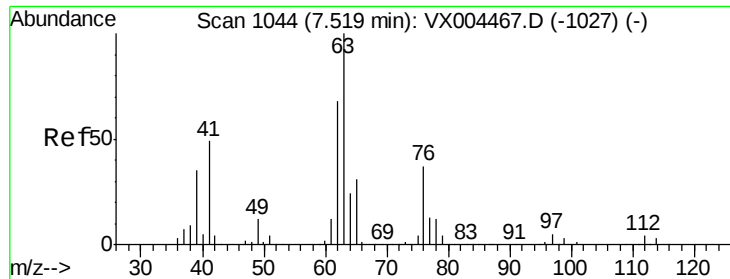
130 100

95 94.0 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: 19.18 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

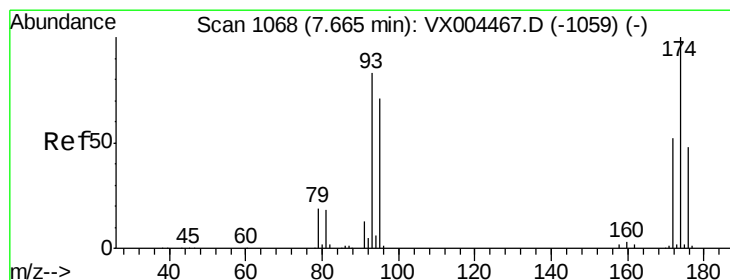
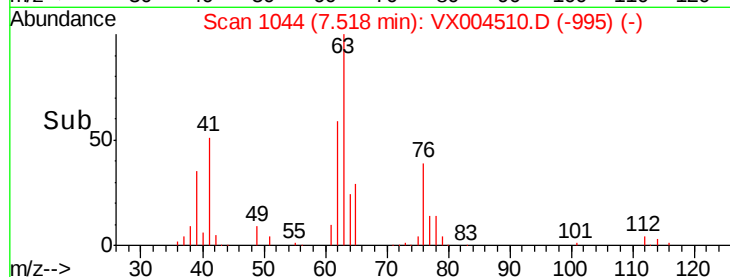
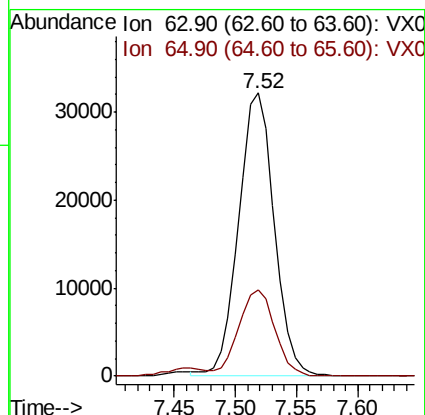
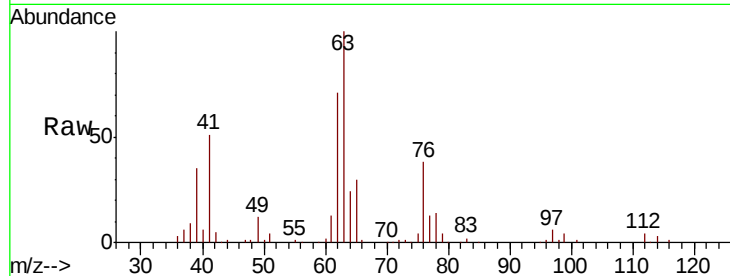
VX0913MBS01

Tot Ion: 63 Resp: 64390

Ion Ratio Lower Upper

63 100

65 30.6 24.3 36.5



#46

Dibromomethane

Concen: 19.69 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

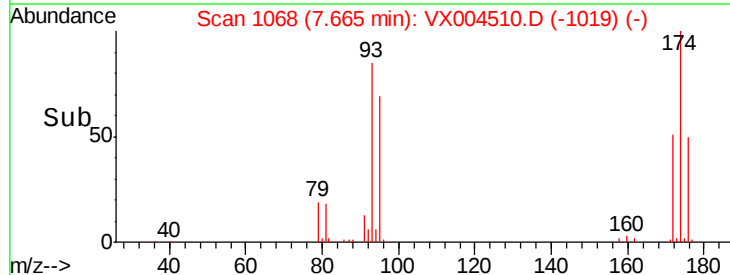
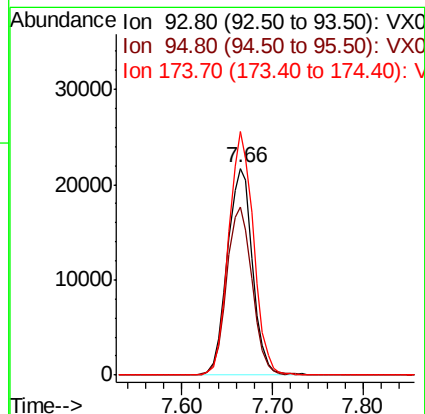
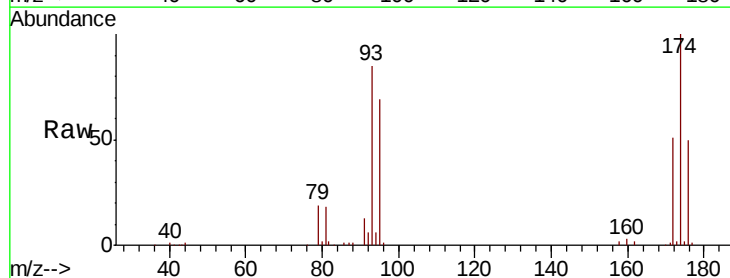
Tgt Ion: 93 Resp: 41756

Ion Ratio Lower Upper

93 100

95 82.6 65.5 98.3

174 116.2 94.2 141.4





#47

Bromodichloromethane

Concen: 18.97 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

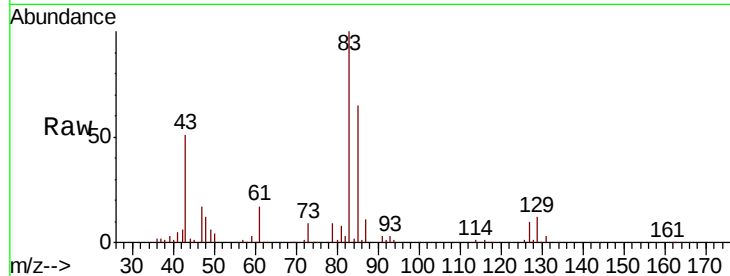
Tot Ion: 83 Resp: 76104

Ion Ratio Lower Upper

83 100

85 64.9 50.9 76.3

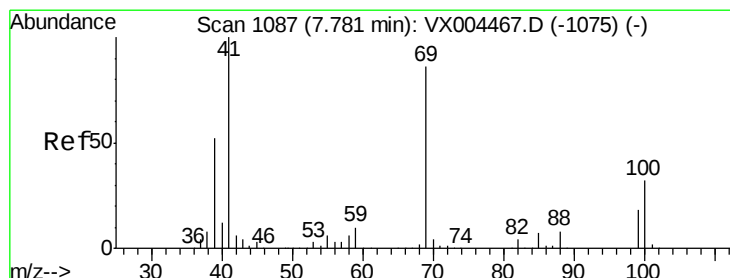
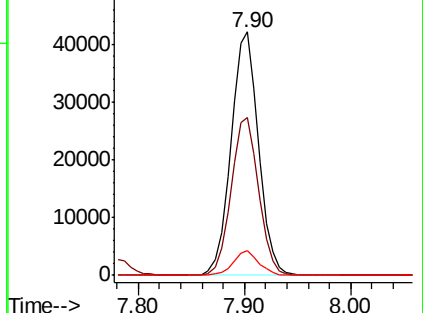
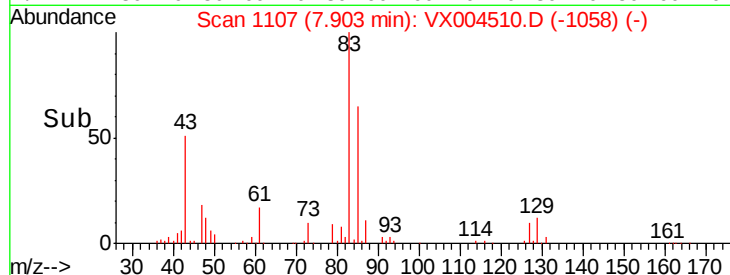
127 10.2 7.3 10.9



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: 19.66 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

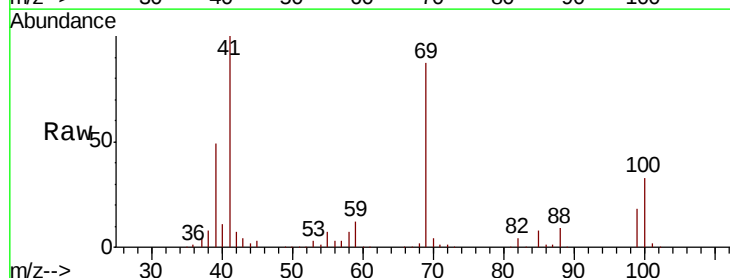
Tgt Ion: 41 Resp: 69131

Ion Ratio Lower Upper

41 100

69 86.3 70.2 105.4

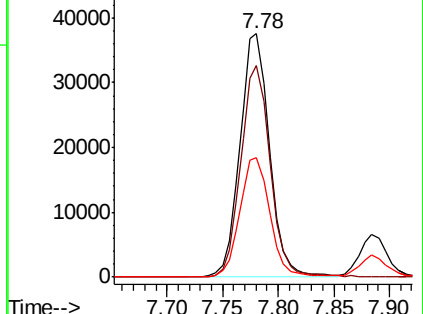
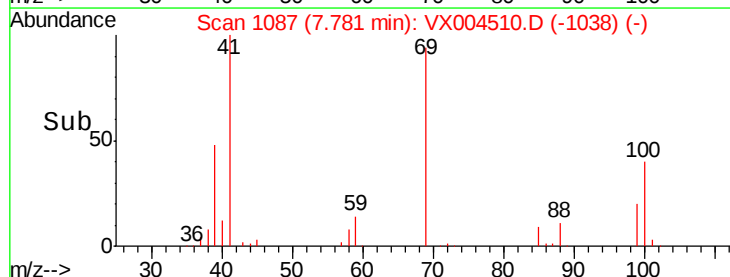
39 50.0 42.7 64.1

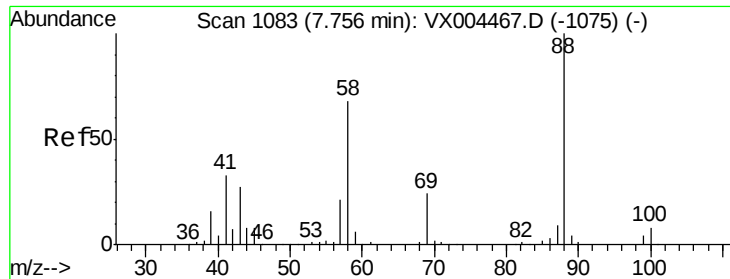


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 418.26 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

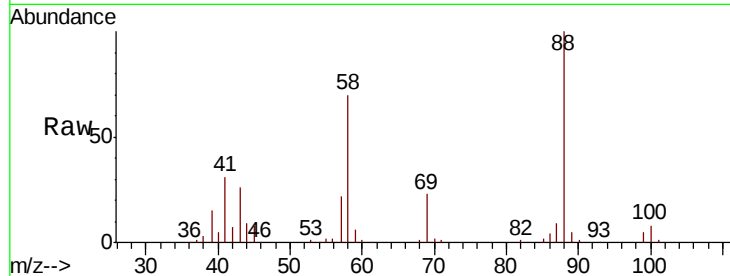
Tot Ion: 88 Resp: 34806

Ion Ratio Lower Upper

88 100

43 30.9 24.7 37.1

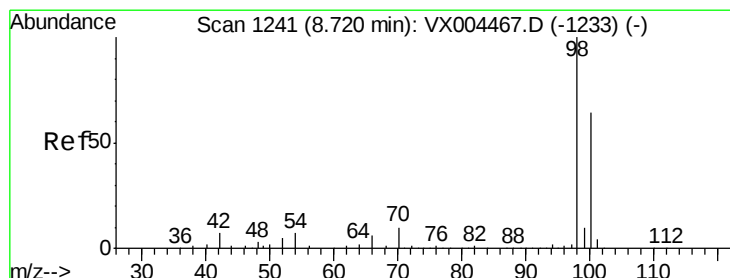
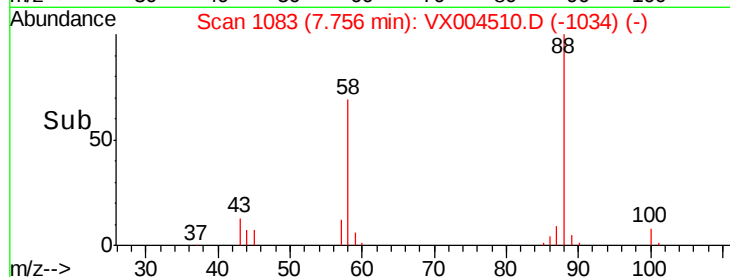
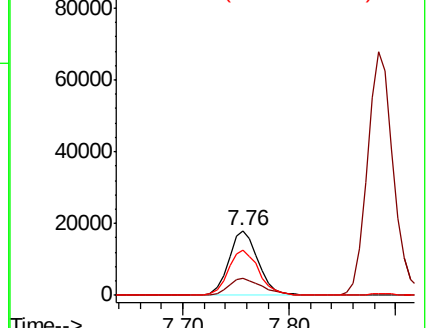
58 72.4 55.3 82.9



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: 50.43 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. -0.00 min

Lab File: VX004510.D

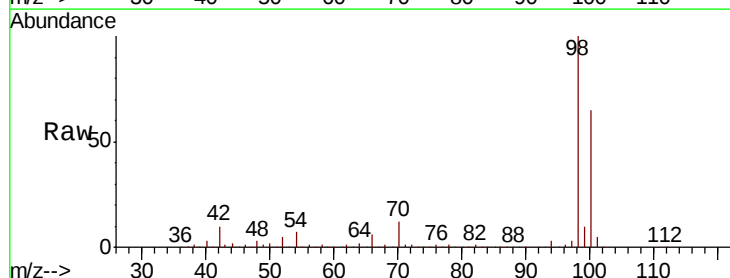
Acq: 13 Sep 2018 12:34

Tgt Ion: 98 Resp: 599511

Ion Ratio Lower Upper

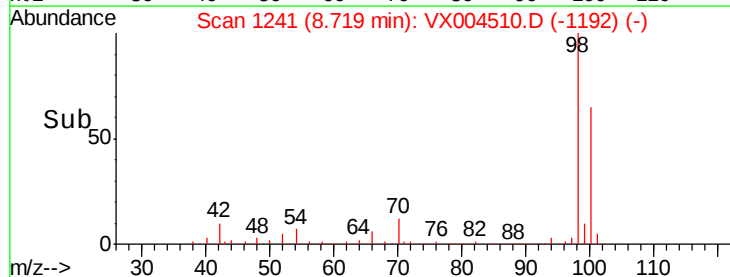
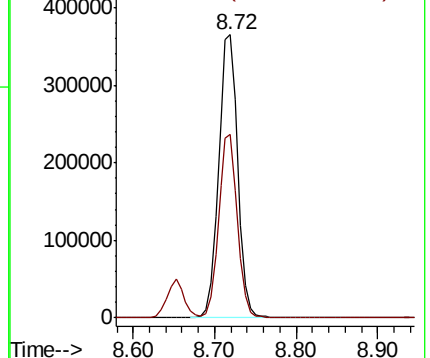
98 100

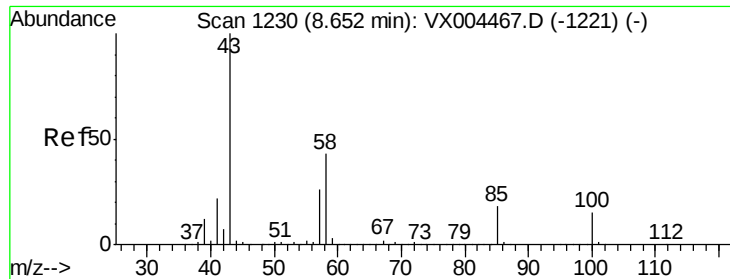
100 63.5 52.9 79.3



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: 92.08 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

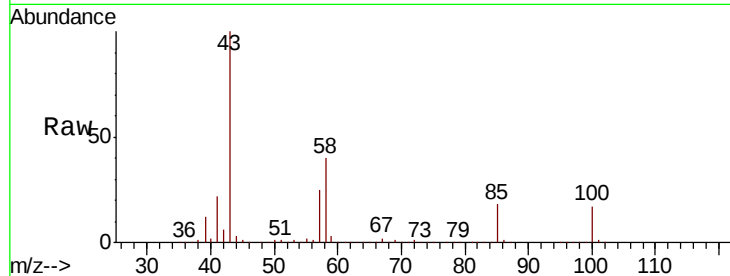
VX0913MBS01

Tot Ion: 43 Resp: 461669

Ion Ratio Lower Upper

43 100

58 40.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

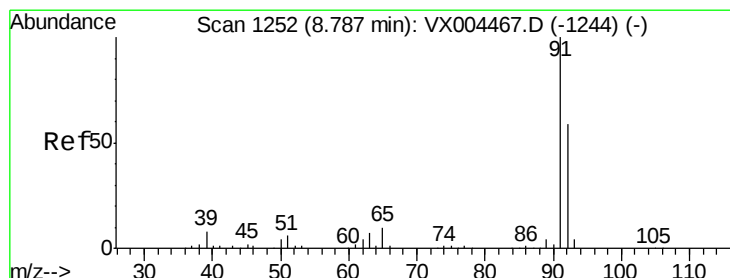
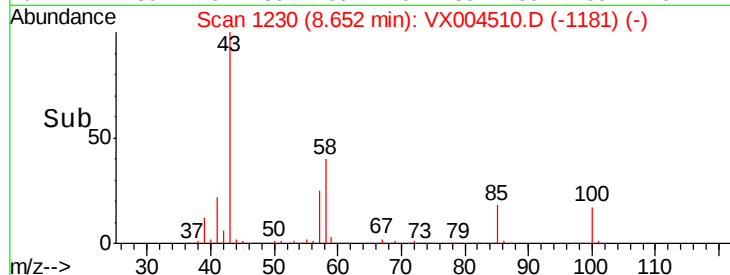
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.49 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004510.D

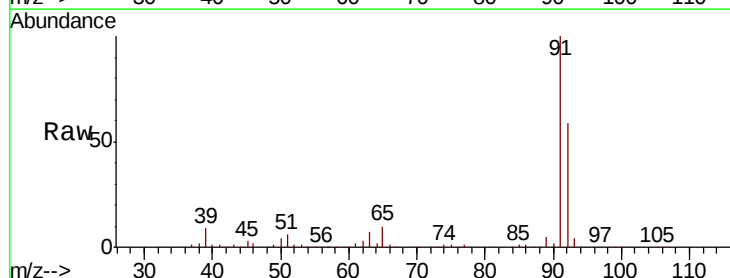
Acq: 13 Sep 2018 12:34

Tgt Ion: 92 Resp: 168459

Ion Ratio Lower Upper

92 100

91 170.4 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

200000

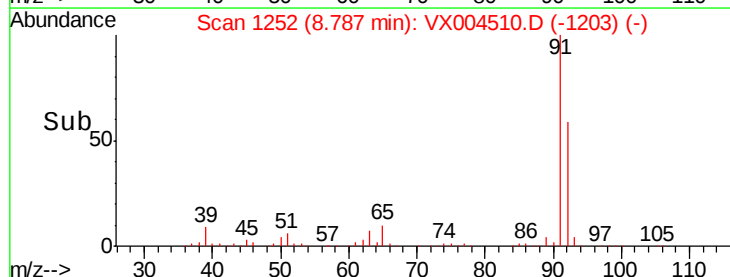
150000

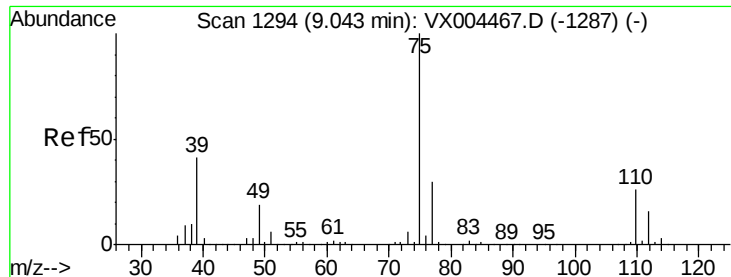
100000

50000

0

Time-->

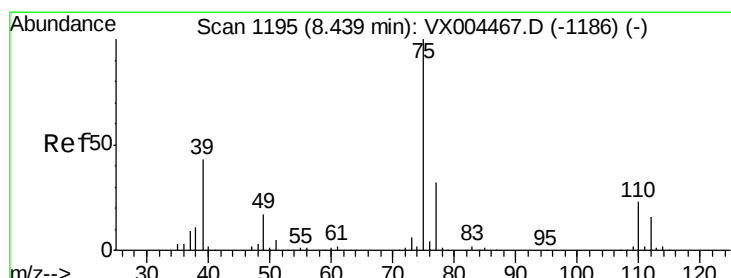
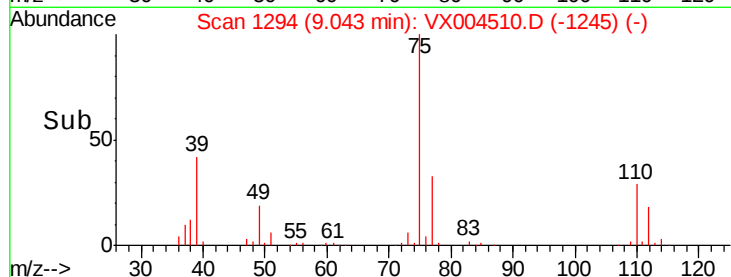
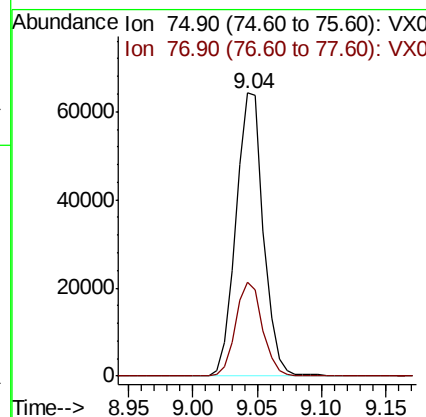
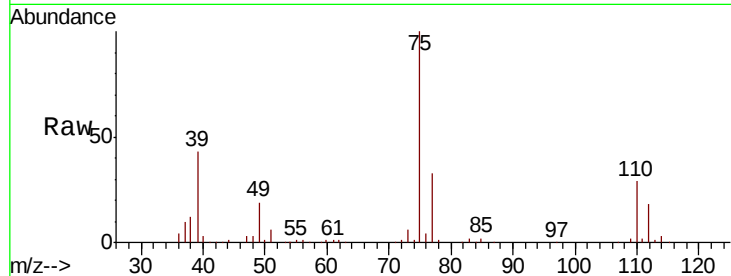




#53
t-1,3-Dichloropropene
Concen: 20.48 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

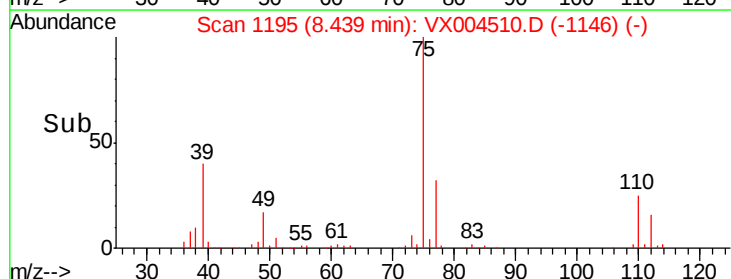
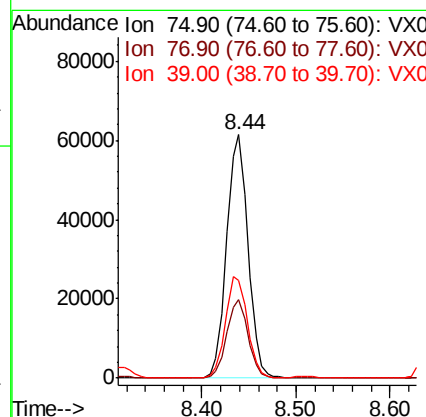
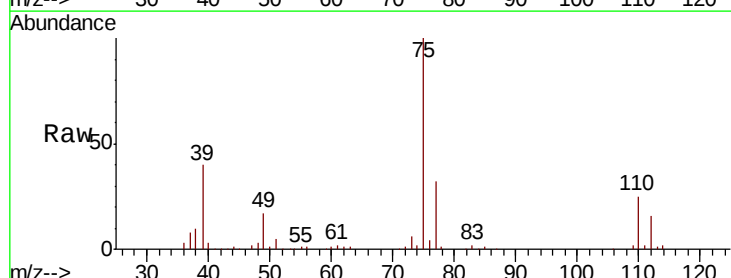
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

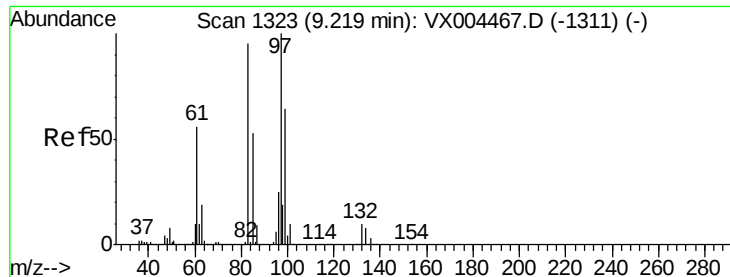
Tot Ion: 75 Resp: 95956
Ion Ratio Lower Upper
75 100
77 33.1 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 20.28 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 75 Resp: 96869
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2
39 40.4 36.4 54.6

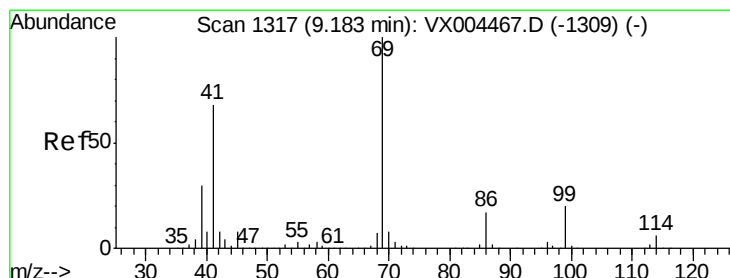
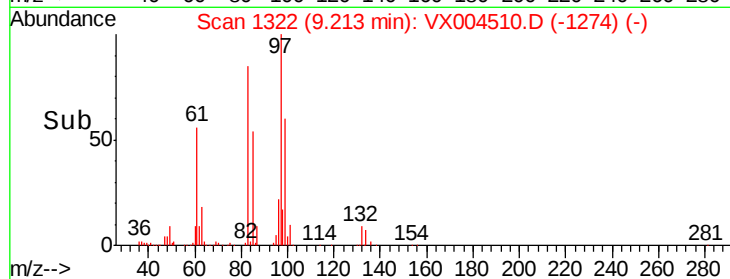
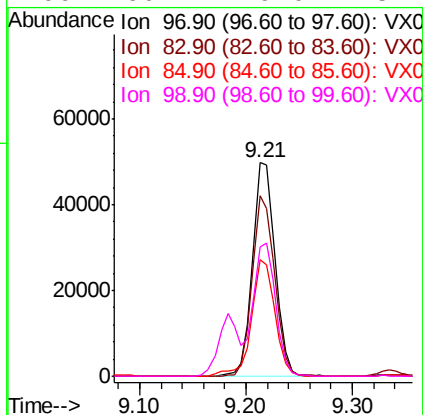
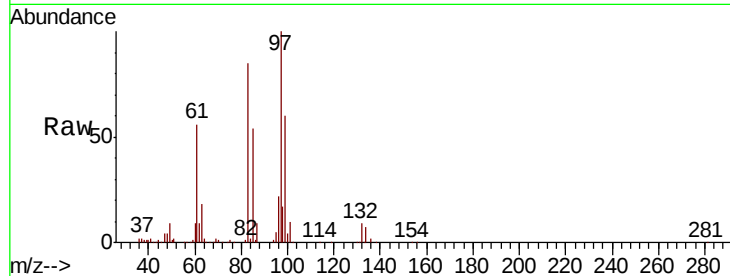




#55
 1,1,2-Trichloroethane
 Concen: 21.00 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

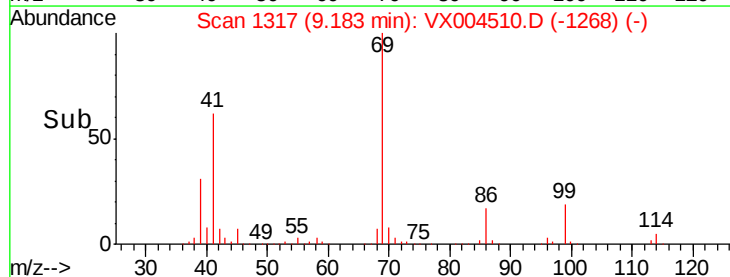
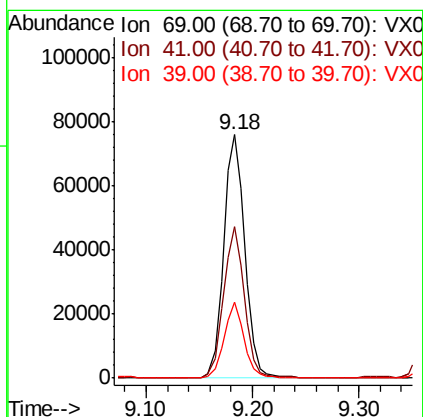
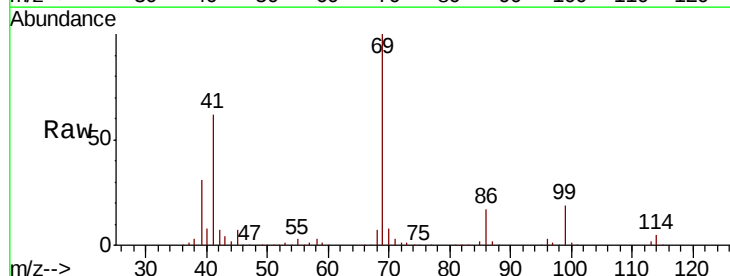
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

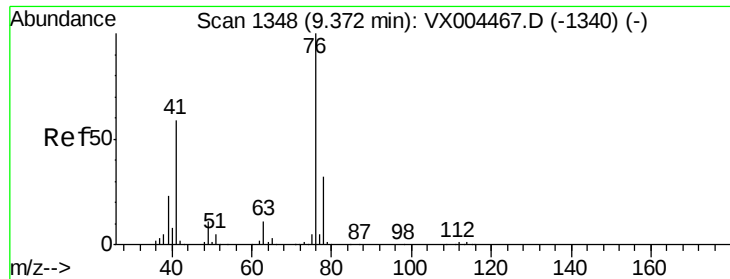
Tot Ion:	97	Resp:	74346
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.4	99.6
85	54.4	43.3	64.9
99	60.4	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 21.10 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion:	69	Resp:	105679
Ion	Ratio	Lower	Upper
69	100		
41	61.1	51.0	76.4
39	29.2	26.1	39.1

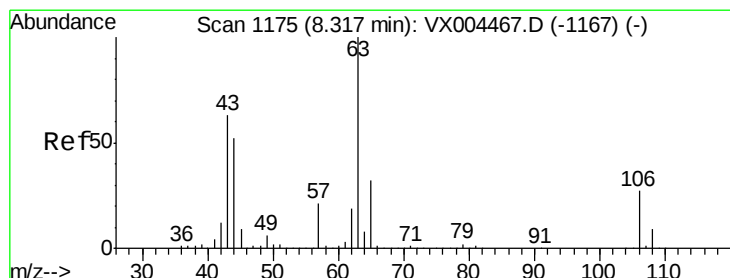
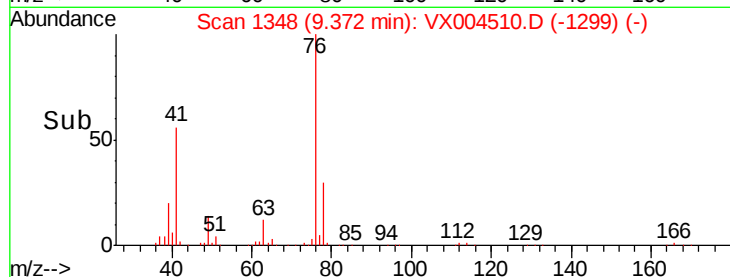
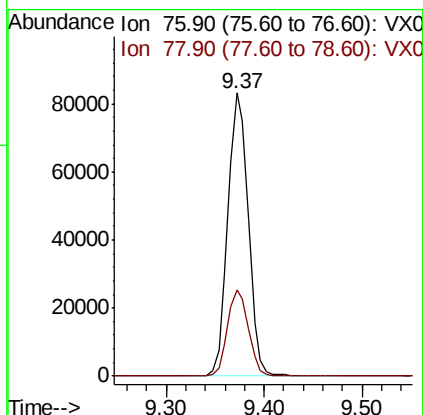
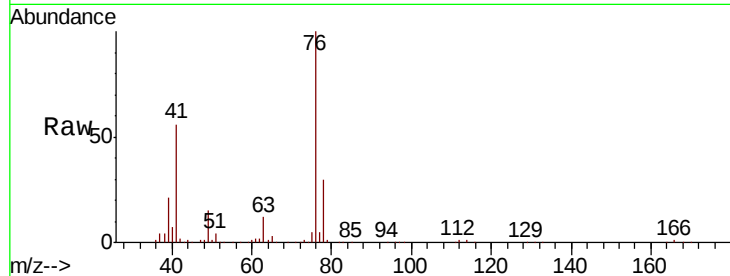




#57
 1,3-Dichloropropane
 Concen: 20.99 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

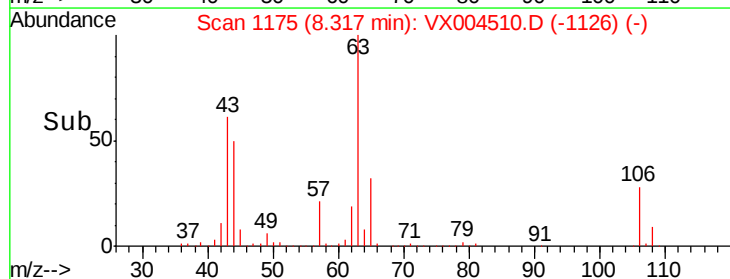
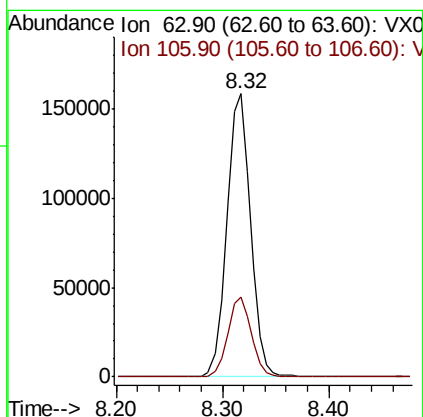
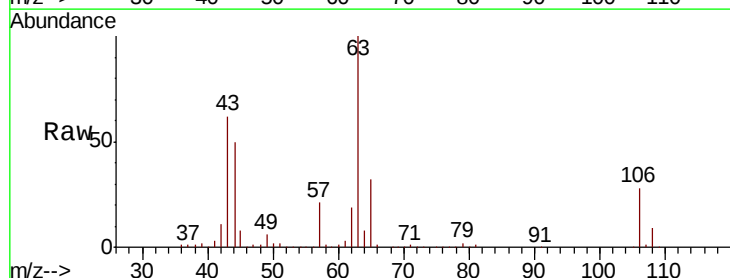
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

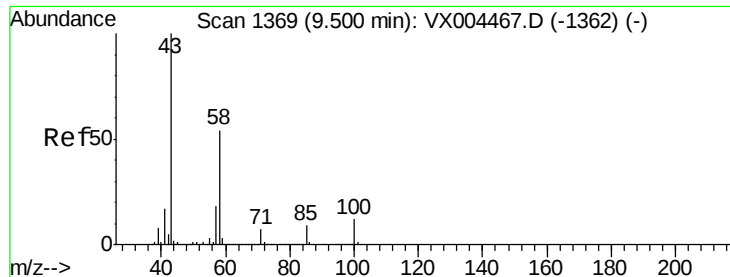
Tot Ion: 76 Resp: 120702
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.24 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion: 63 Resp: 246928
 Ion Ratio Lower Upper
 63 100
 106 28.0 23.9 35.9

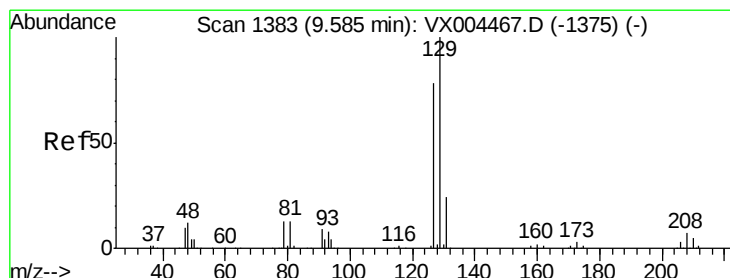
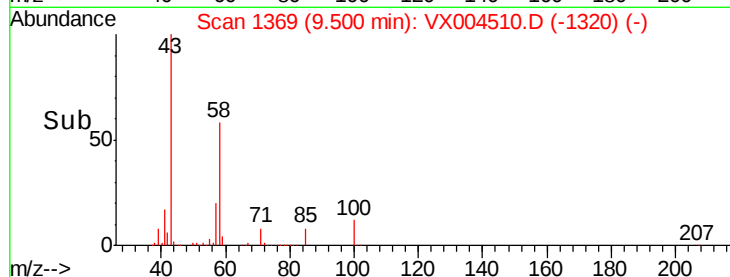
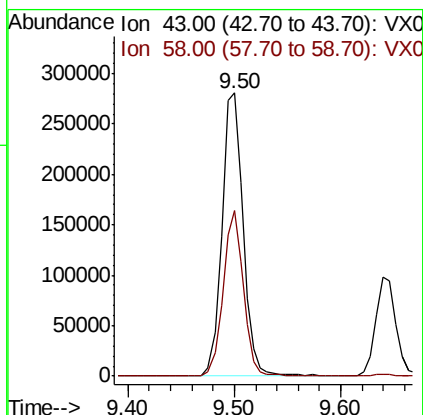
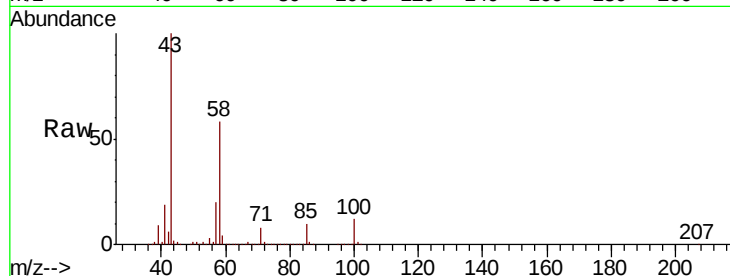




#59
2-Hexanone
Concen: 101.52 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

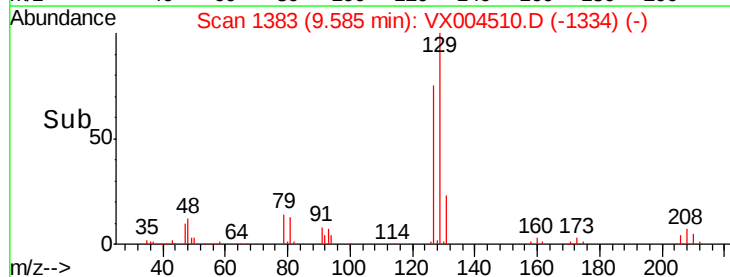
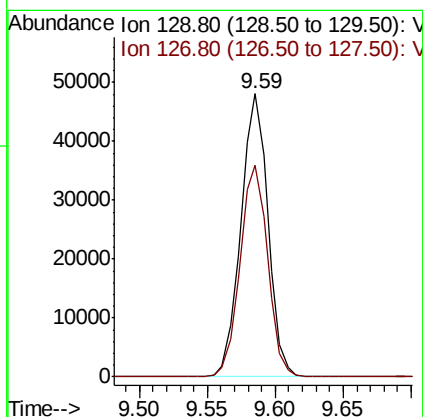
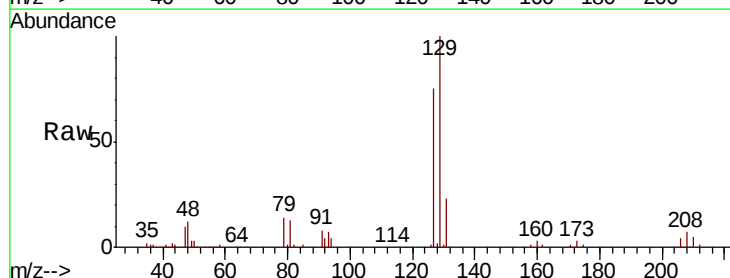
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

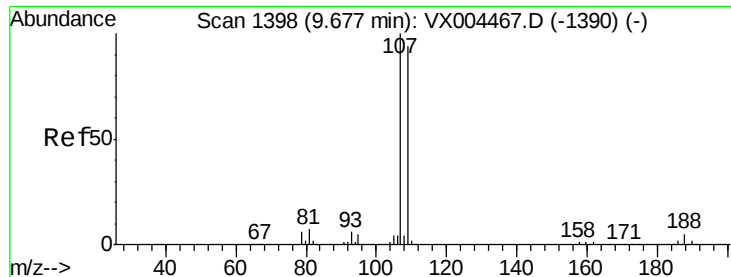
Tot Ion: 43 Resp: 390391
Ion Ratio Lower Upper
43 100
58 55.8 29.0 87.0



#60
Dibromochloromethane
Concen: 20.05 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 129 Resp: 66813
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.06 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

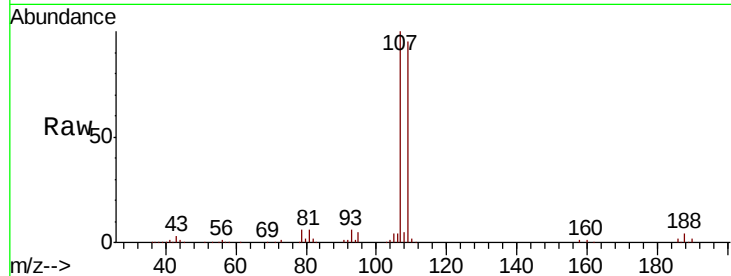
VX0913MBS01

Tot Ion:107 Resp: 67820

Ion Ratio Lower Upper

107 100

109 94.1 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

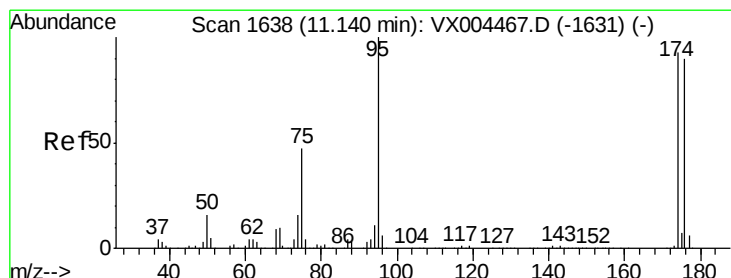
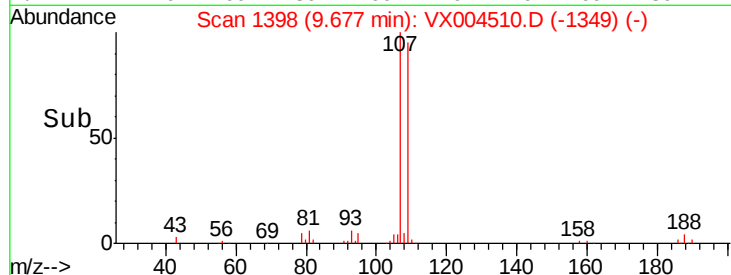
20000

10000

0

Time-->

9.60 9.65 9.70 9.75 9.80



#62

4-Bromofluorobenzene

Concen: 48.97 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

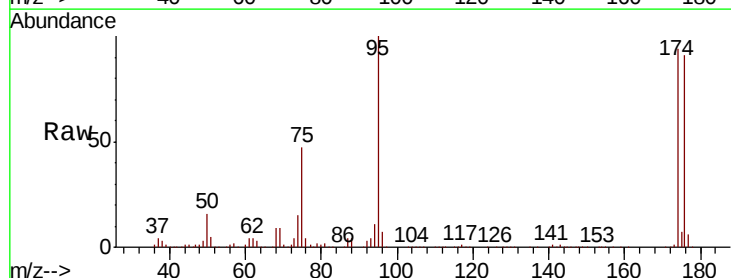
Tgt Ion: 95 Resp: 207789

Ion Ratio Lower Upper

95 100

174 92.4 0.0 185.2

176 89.6 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

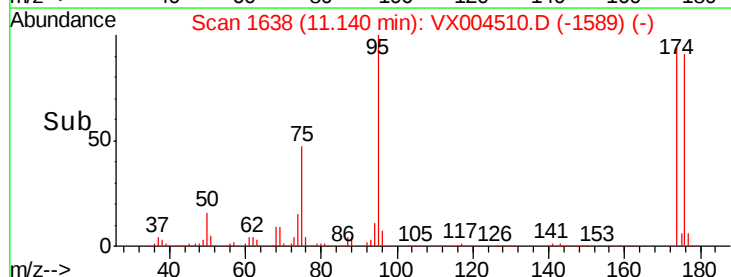
100000

50000

0

Time-->

11.10 11.20

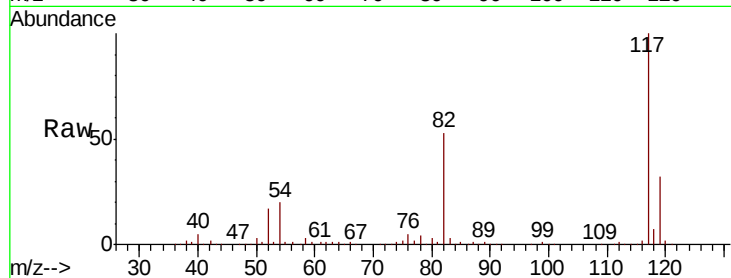




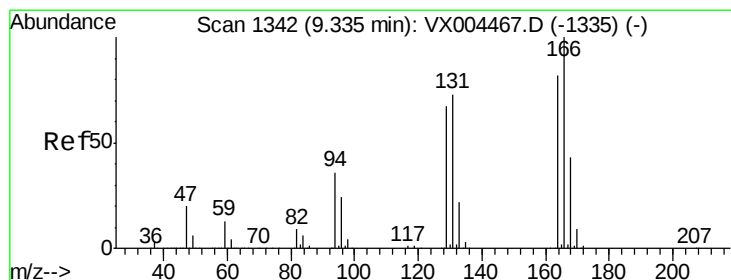
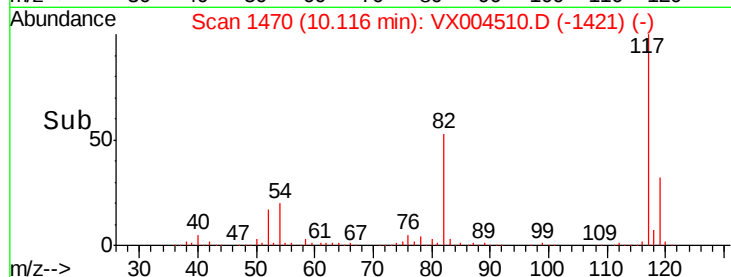
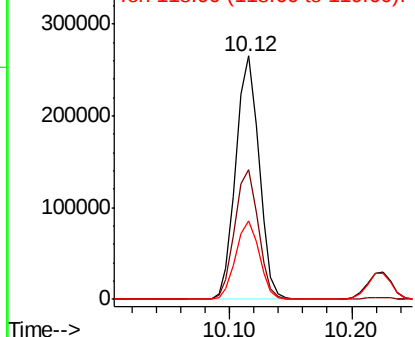
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion:117 Resp: 349017
Ion Ratio Lower Upper
117 100
82 53.1 47.8 71.6
119 32.2 29.3 43.9

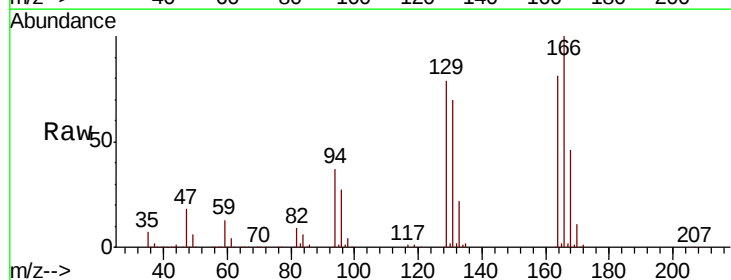


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

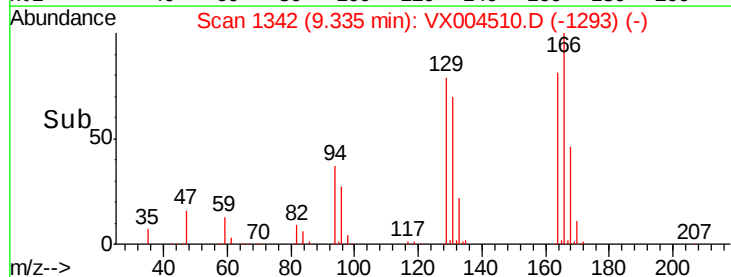
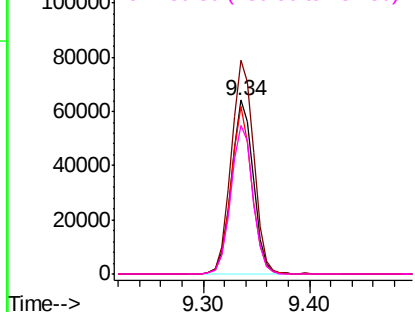


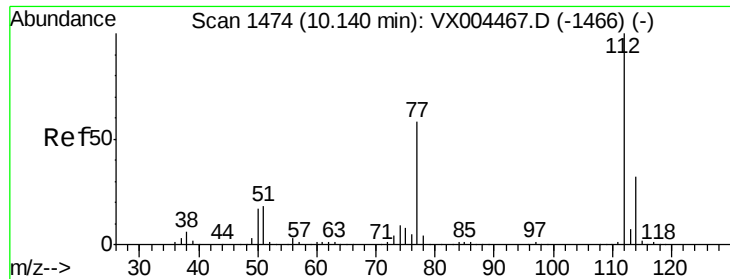
#64
Tetrachloroethene
Concen: 21.39 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion:164 Resp: 93222
Ion Ratio Lower Upper
164 100
166 122.8 102.8 154.2
129 96.5 69.4 104.0
131 85.7 67.9 101.9



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

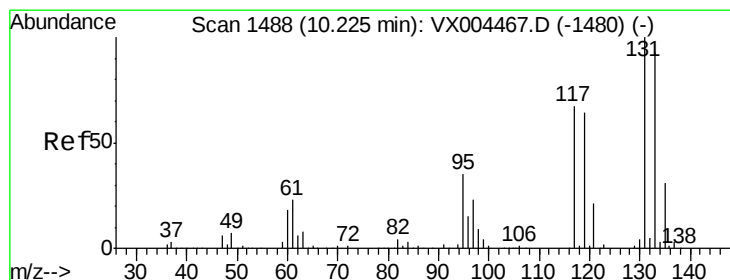
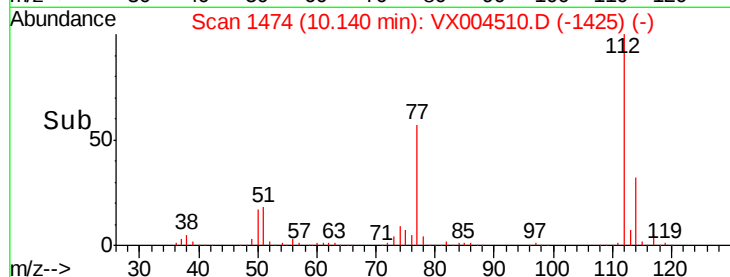
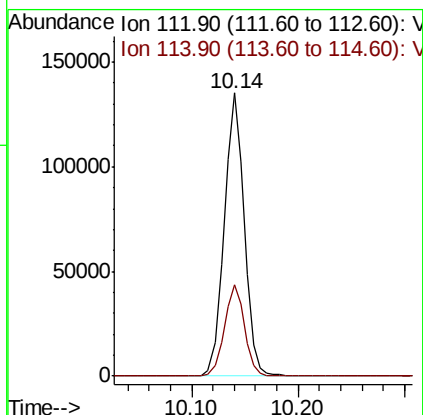
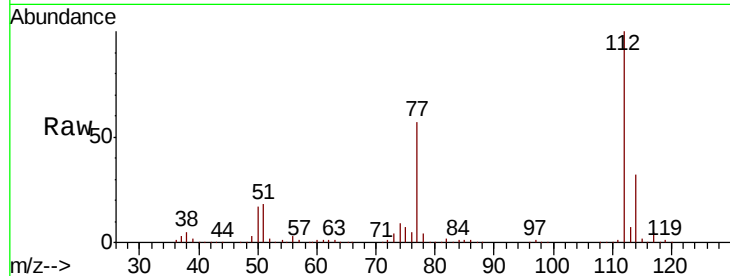




#65
Chlorobenzene
Concen: 20.47 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

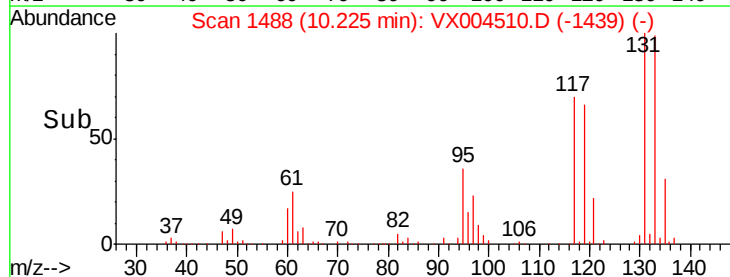
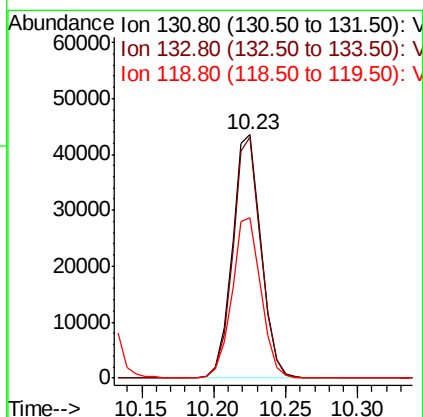
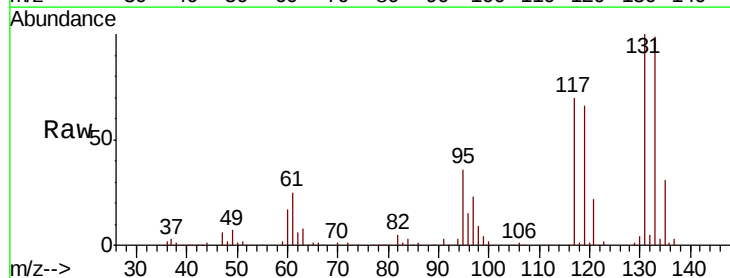
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

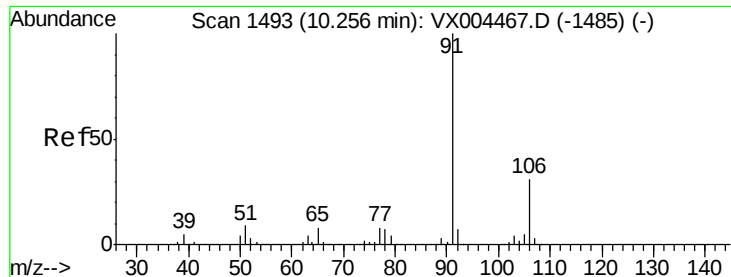
Tot Ion:112 Resp: 177473
Ion Ratio Lower Upper
112 100
114 32.1 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.15 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion:131 Resp: 60251
Ion Ratio Lower Upper
131 100
133 97.0 48.1 144.4
119 67.0 32.9 98.6

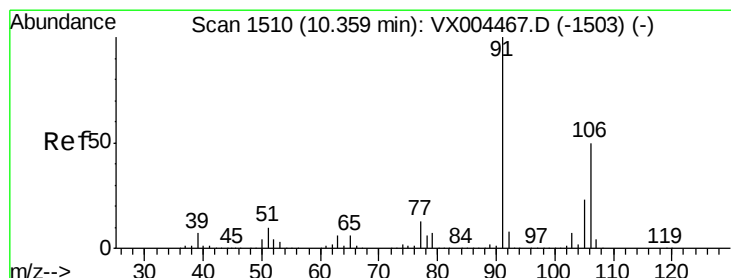
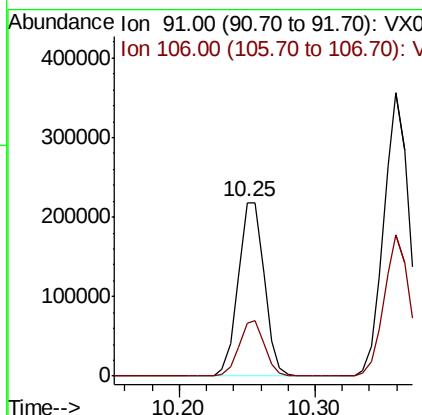
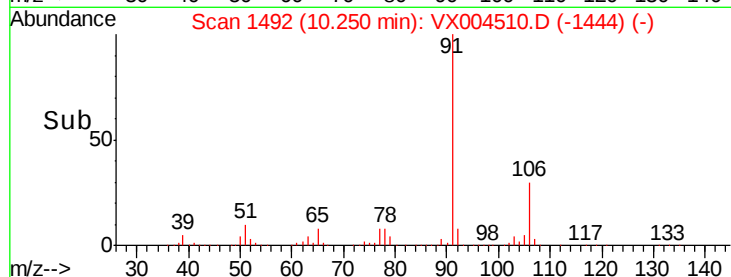
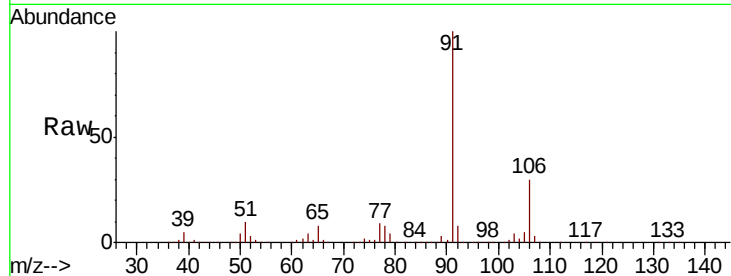




#67
Ethyl Benzene
Concen: 20.80 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

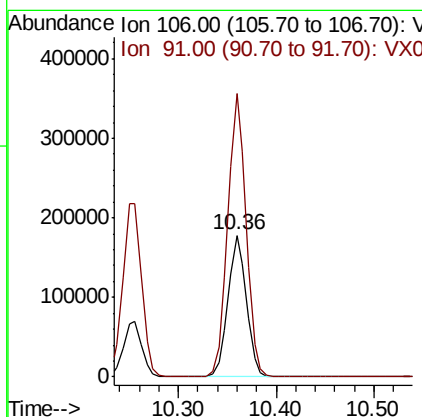
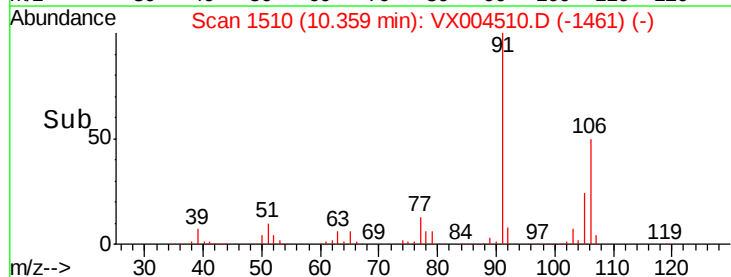
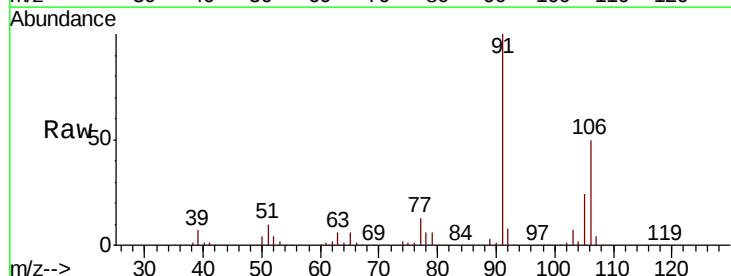
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion: 91 Resp: 293247
Ion Ratio Lower Upper
91 100
106 30.2 25.9 38.9



#68
m/p-Xylenes
Concen: 42.62 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 106 Resp: 231409
Ion Ratio Lower Upper
106 100
91 200.9 157.1 235.7

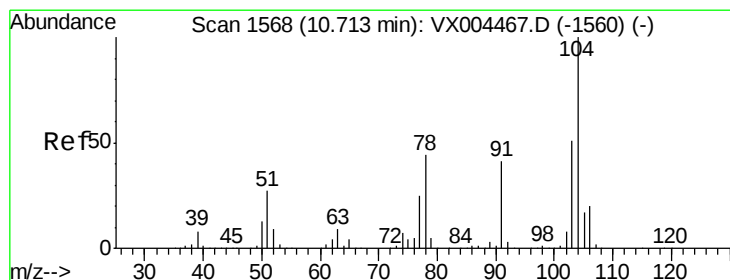
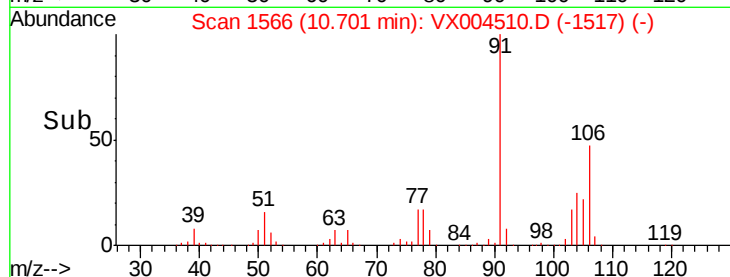
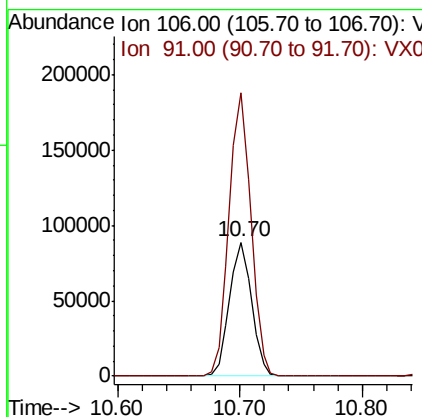
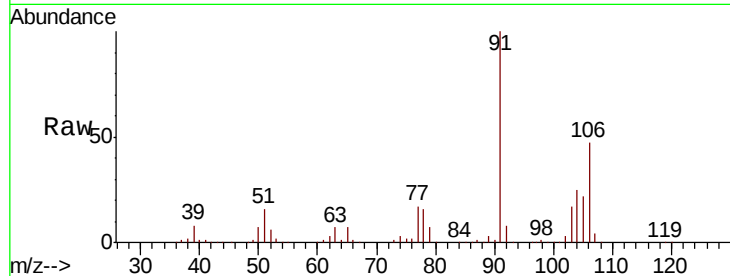




#69
o-Xylene
Concen: 21.34 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

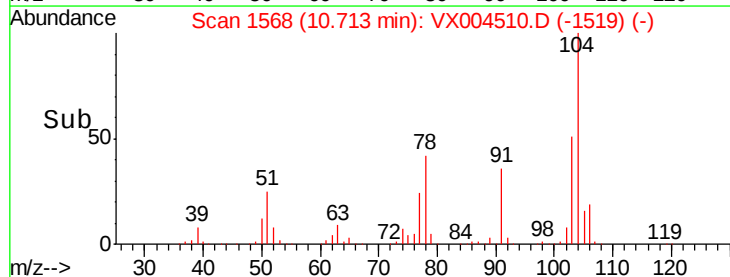
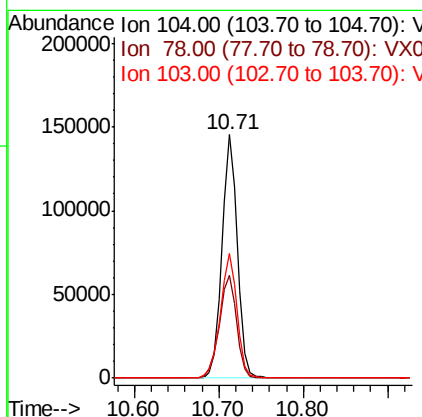
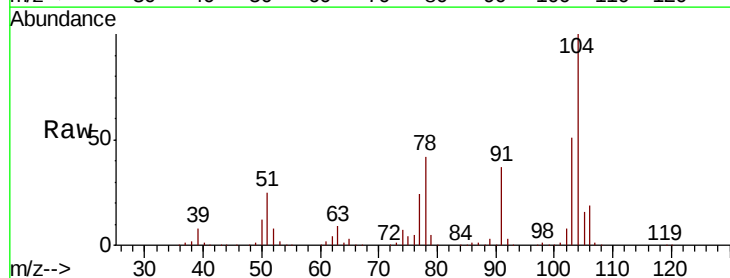
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion:106 Resp: 111396
Ion Ratio Lower Upper
106 100
91 209.7 105.1 315.1



#70
Styrene
Concen: 21.38 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion:104 Resp: 184899
Ion Ratio Lower Upper
104 100
78 47.3 37.4 56.0
103 55.2 43.8 65.6

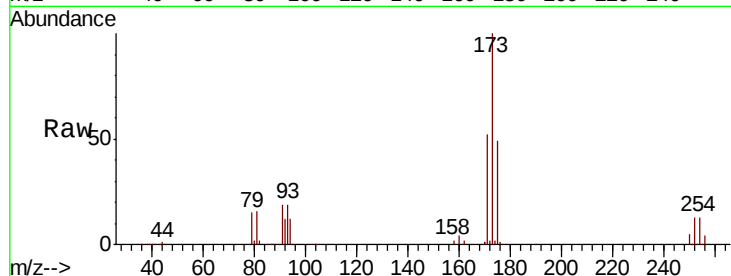




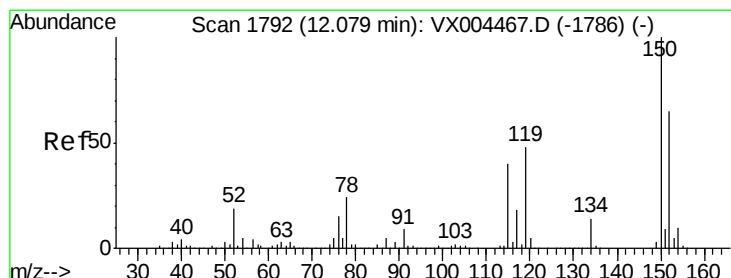
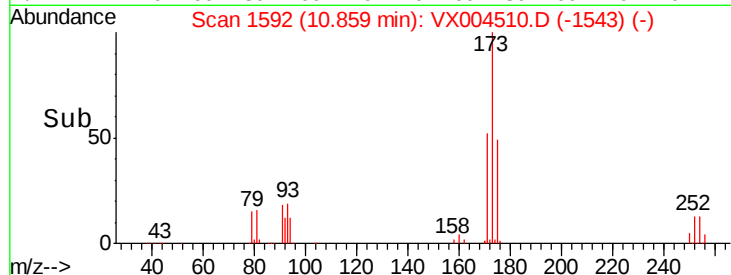
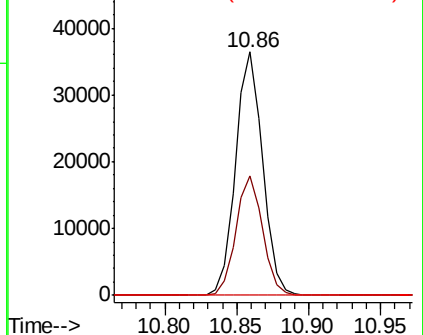
#71
Bromoform
Concen: 19.39 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion:173 Resp: 47602
Ion Ratio Lower Upper
173 100
175 48.3 24.1 72.3
254 0.1 0.2 0.2#

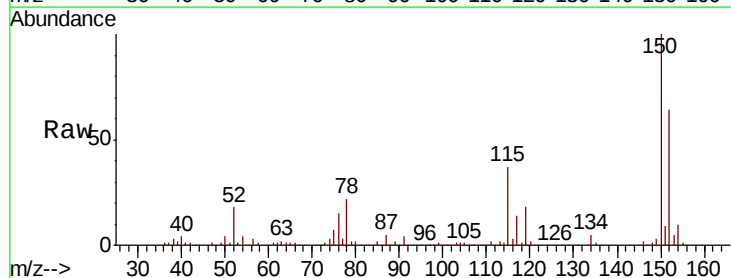


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

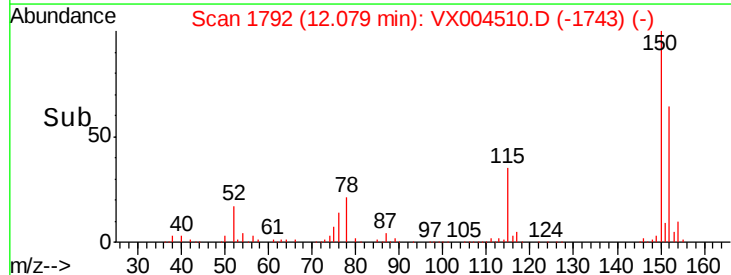
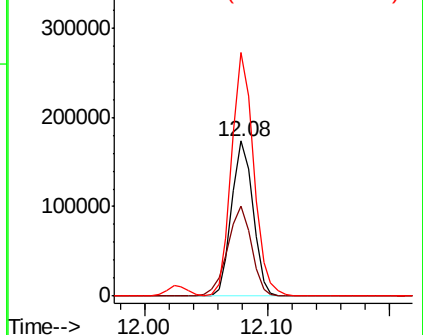


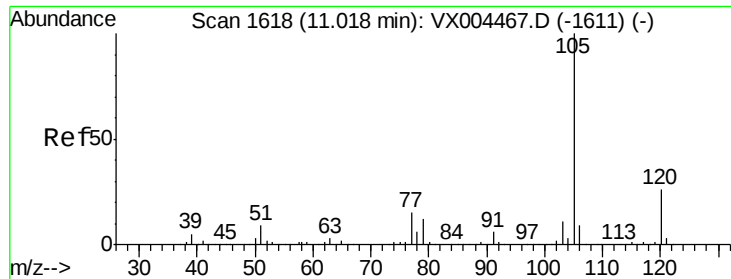
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion:152 Resp: 209261
Ion Ratio Lower Upper
152 100
115 64.5 39.0 117.0
150 162.5 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

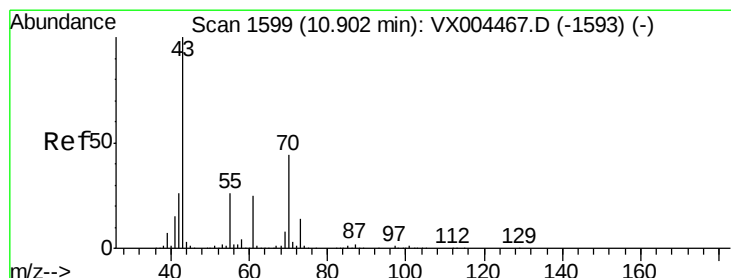
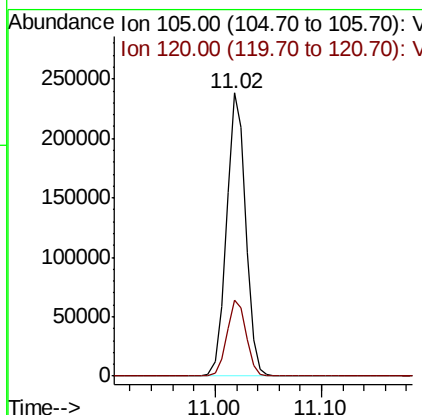
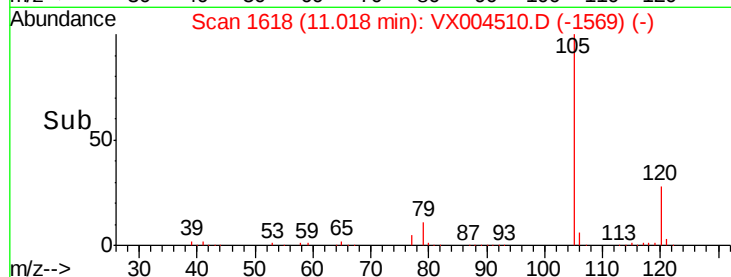
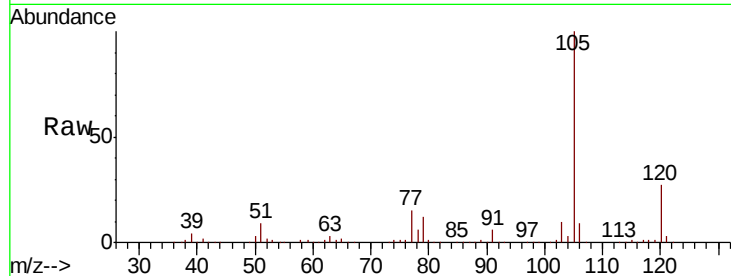




#73
Isopropylbenzene
Concen: 21.72 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

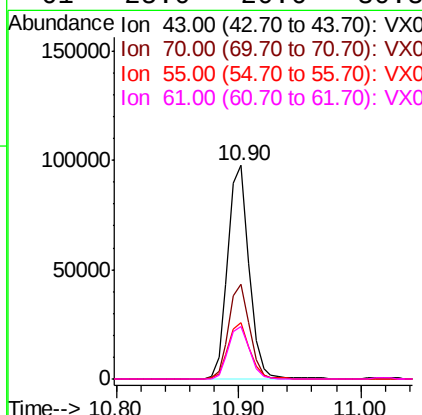
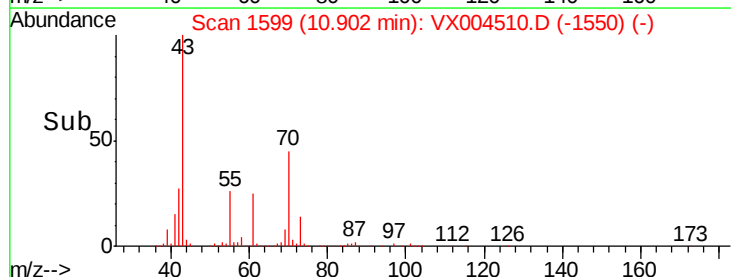
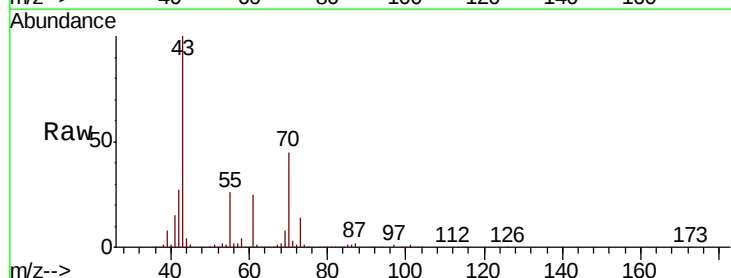
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

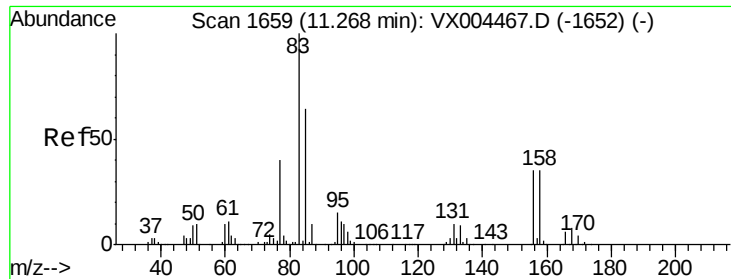
Tot Ion:105 Resp: 299397
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4



#74
N-ethyl acetate
Concen: 20.26 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 43 Resp: 117546
Ion Ratio Lower Upper
43 100
70 43.9 37.4 56.0
55 27.0 21.8 32.8
61 25.0 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.17 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

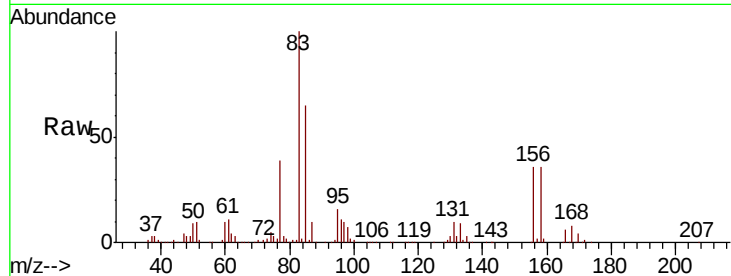
Tot Ion: 83 Resp: 89664

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

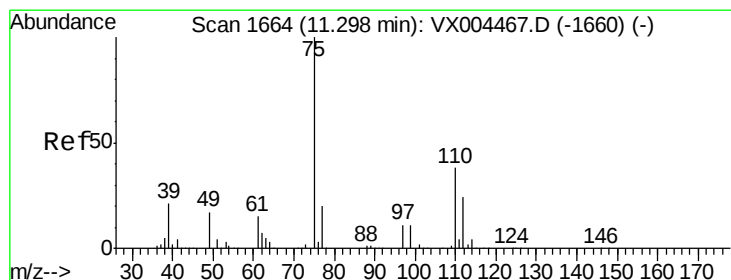
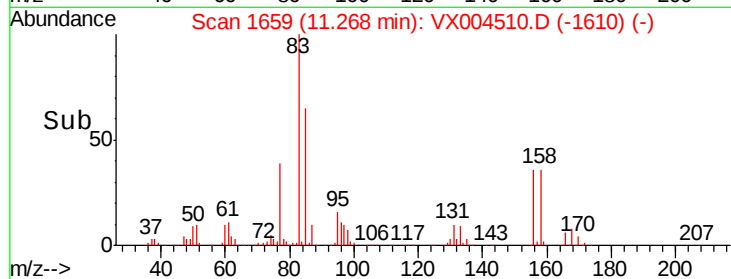
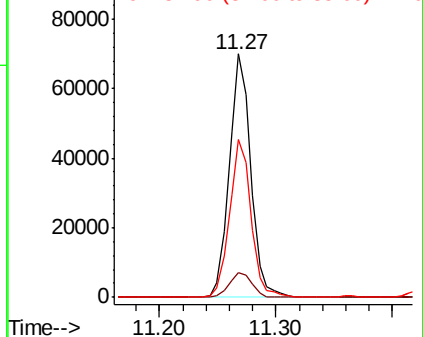
85 64.7 32.3 96.8



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: 25.95 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX004510.D

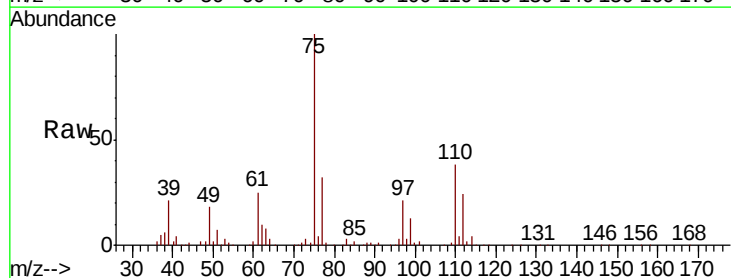
Acq: 13 Sep 2018 12:34

Tgt Ion: 75 Resp: 109263

Ion Ratio Lower Upper

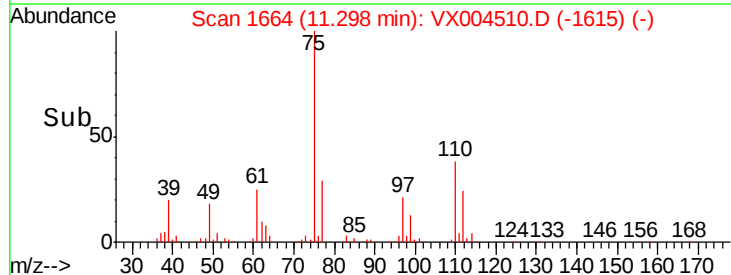
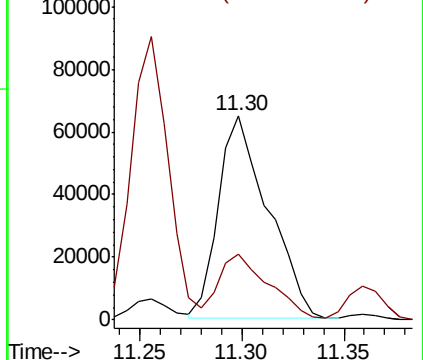
75 100

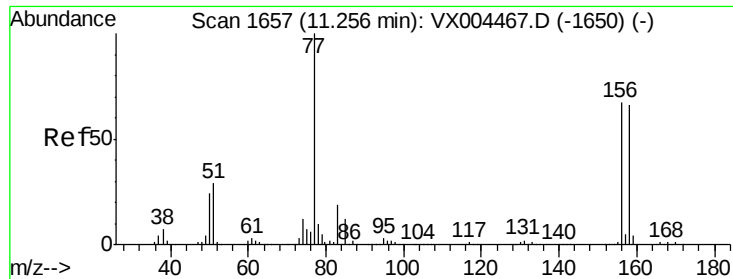
77 32.5 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

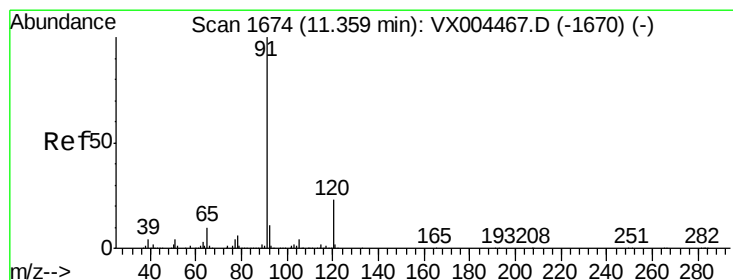
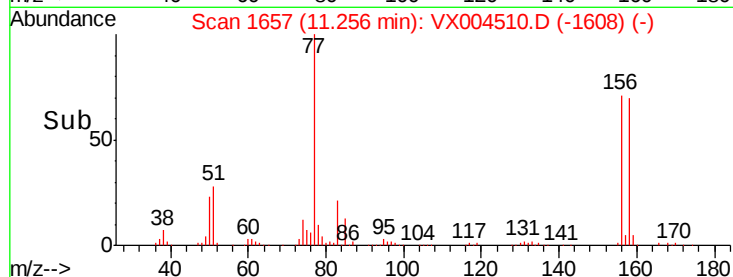
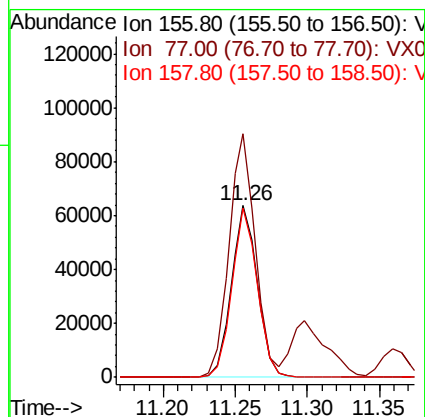
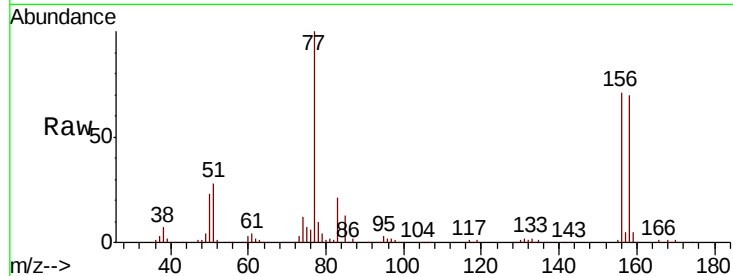




#77
Bromobenzene
Concen: 21.16 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

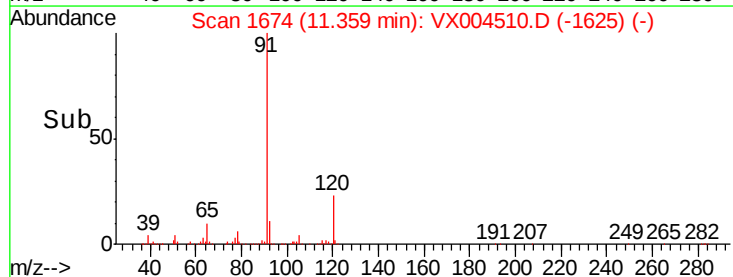
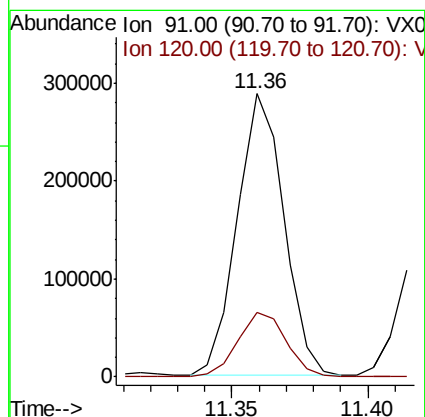
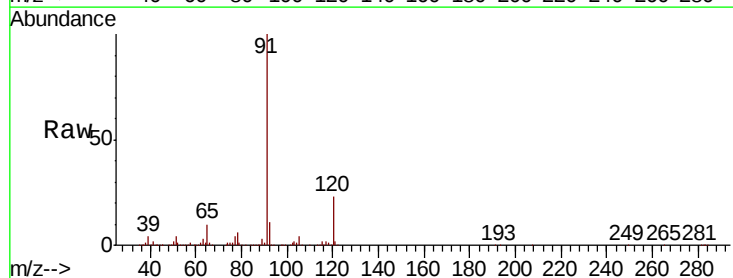
Instrument :
MSVOA_X
ClientSampleId :
VX0913MBS01

Tot Ion:156 Resp: 80608
Ion Ratio Lower Upper
156 100
77 143.5 71.5 214.3
158 96.6 48.9 146.8



#78
n-propylbenzene
Concen: 21.70 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 91 Resp: 343801
Ion Ratio Lower Upper
91 100
120 23.6 11.9 35.9

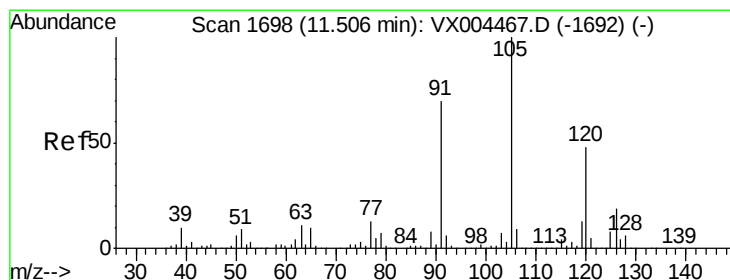
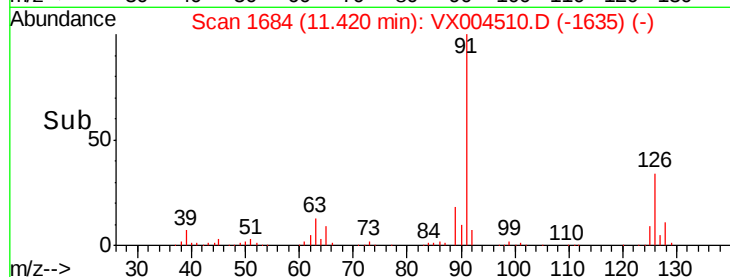
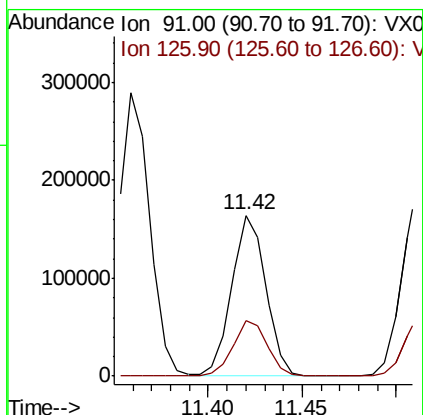
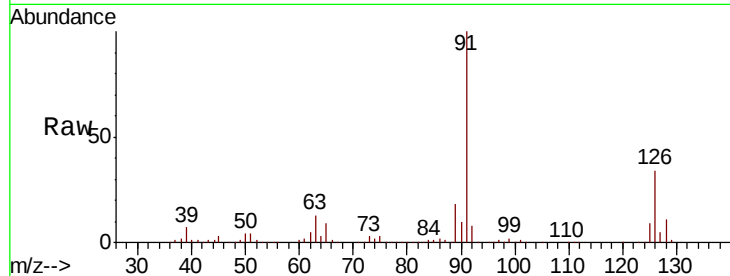




#79
 2-Chlorotoluene
 Concen: 21.35 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

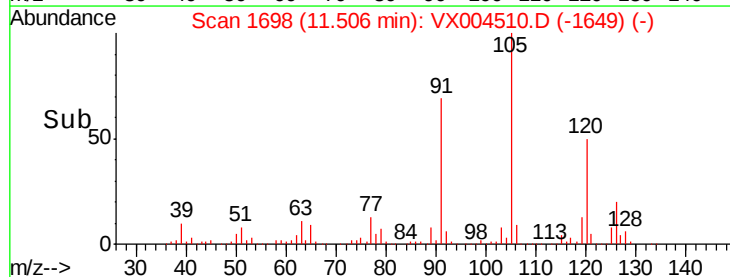
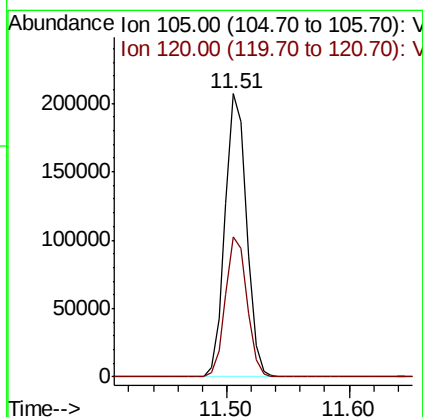
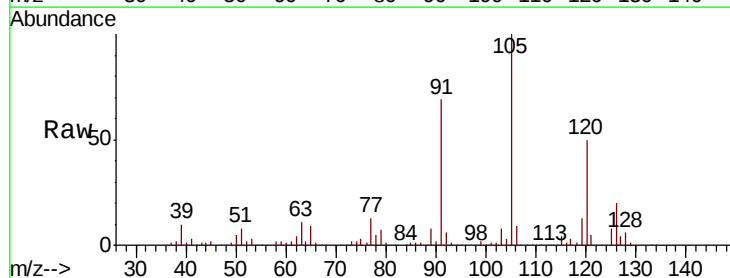
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Tot Ion: 91 Resp: 205207
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.71 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion:105 Resp: 251581
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.84 ug/l

RT: 11.08 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

VX0913MBS01

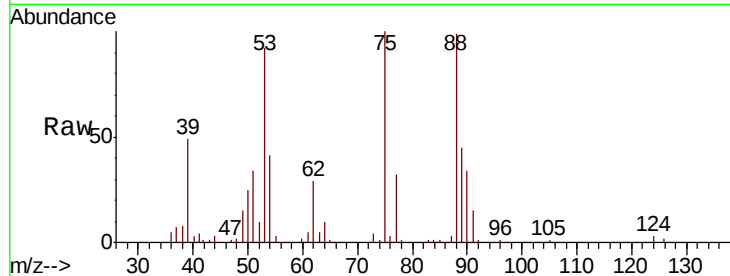
Tot Ion: 75 Resp: 27526

Ion Ratio Lower Upper

75 100

53 98.6 80.1 120.1

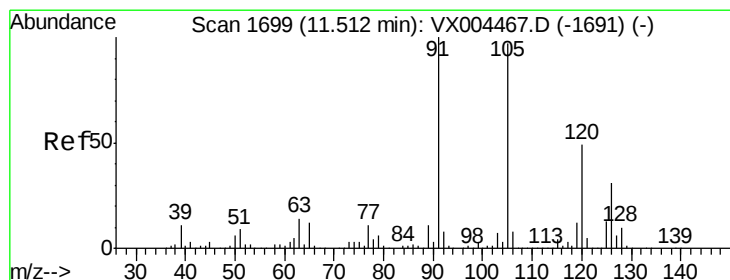
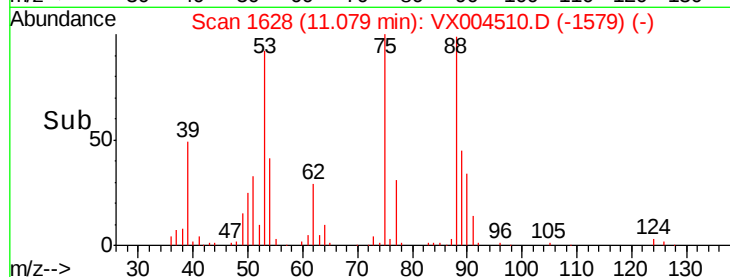
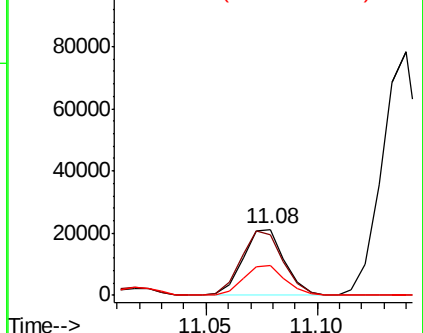
89 46.2 37.2 55.8



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: 21.06 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX004510.D

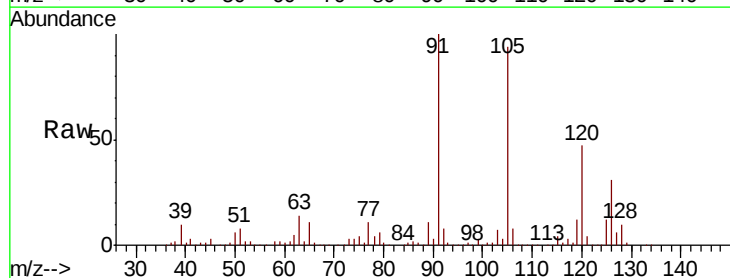
Acq: 13 Sep 2018 12:34

Tgt Ion: 91 Resp: 236207

Ion Ratio Lower Upper

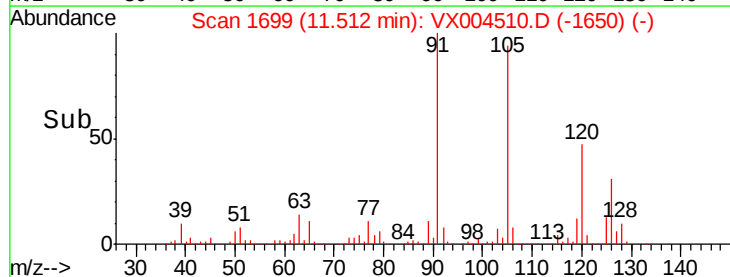
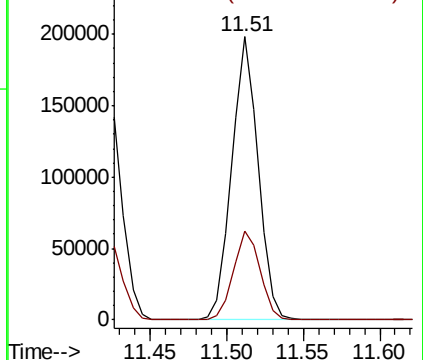
91 100

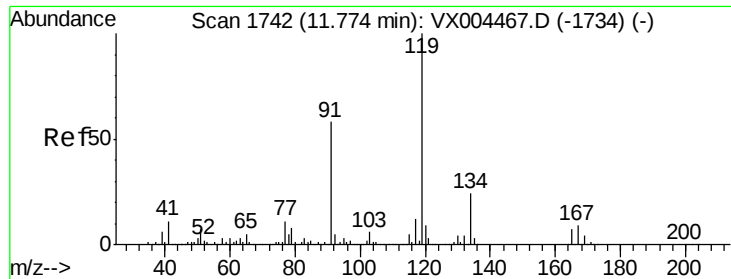
126 32.0 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 21.64 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

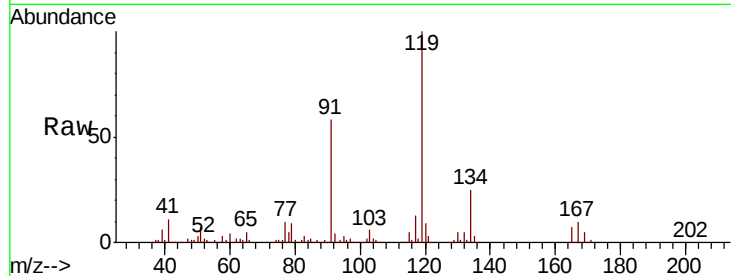
Tot Ion:119 Resp: 238690

Ion Ratio Lower Upper

119 100

91 57.0 27.0 81.0

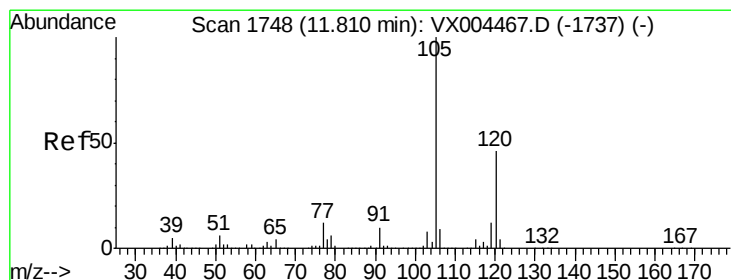
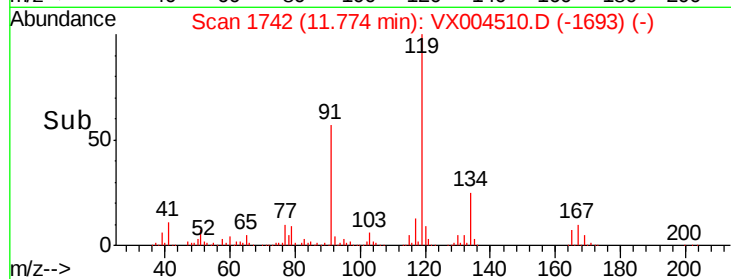
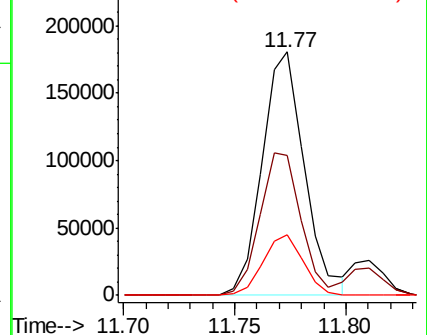
134 23.7 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.83 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VX004510.D

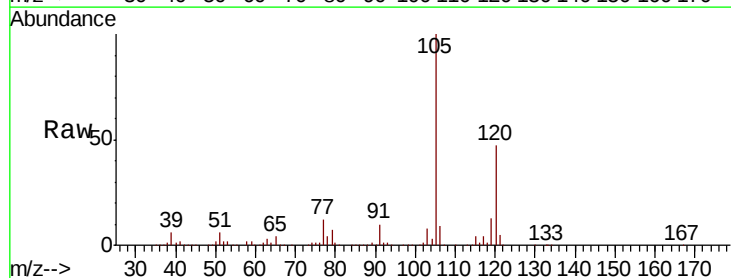
Acq: 13 Sep 2018 12:34

Tgt Ion:105 Resp: 258249

Ion Ratio Lower Upper

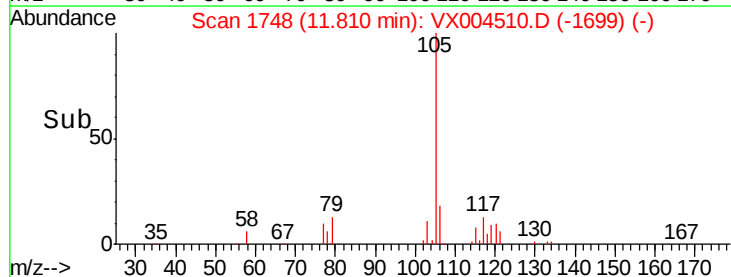
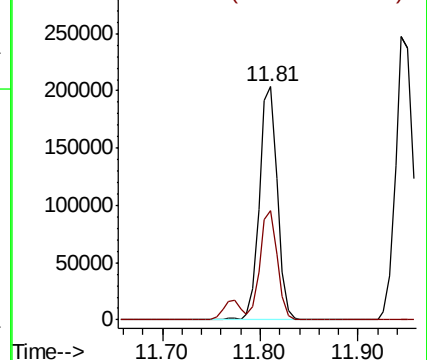
105 100

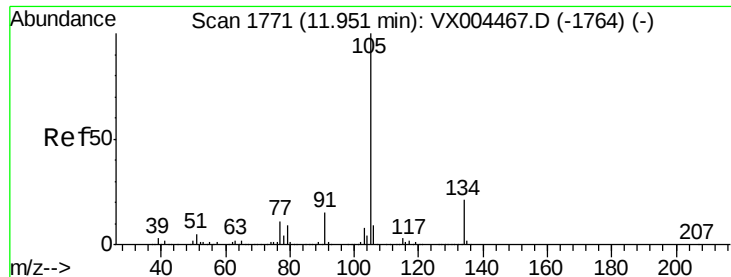
120 45.3 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.72 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampled :

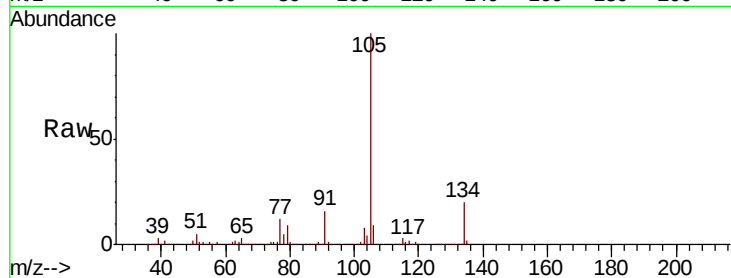
VX0913MBS01

Tot Ion:105 Resp: 305259

Ion Ratio Lower Upper

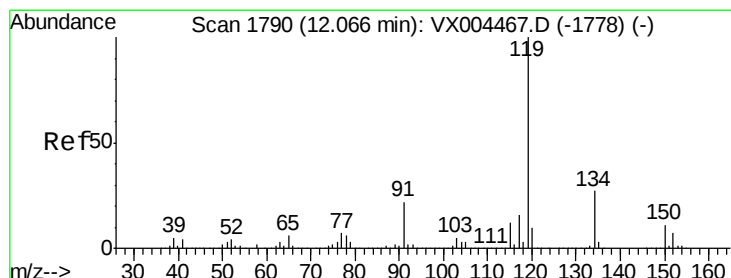
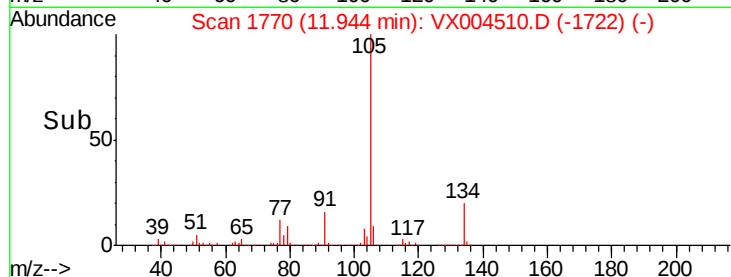
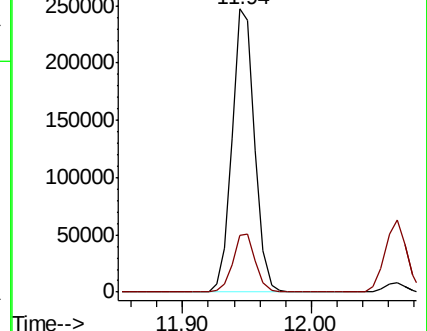
105 100

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: 22.00 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

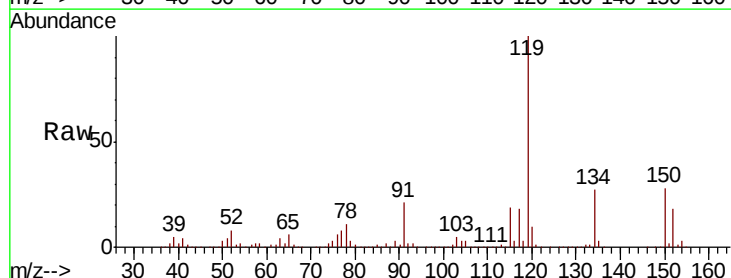
Tgt Ion:119 Resp: 273127

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

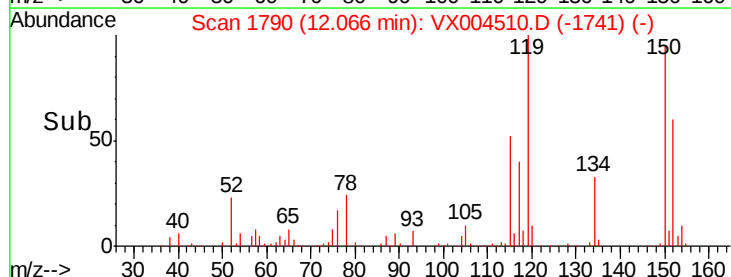
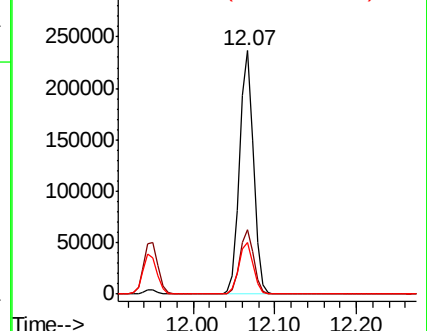
91 22.1 10.9 32.7

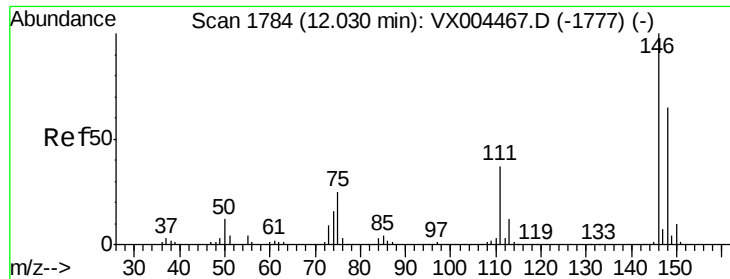


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

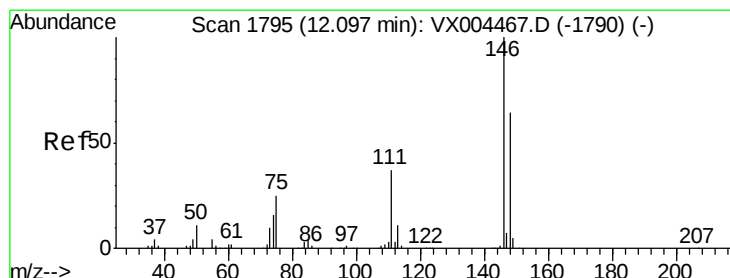
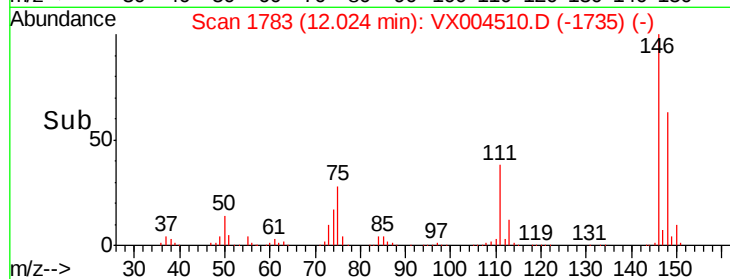
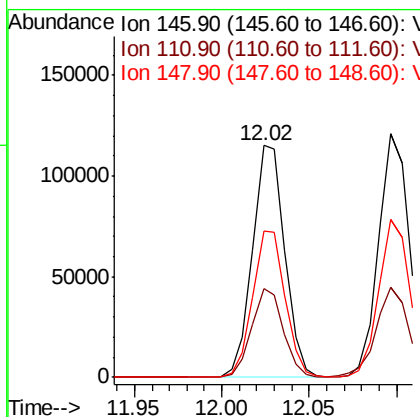
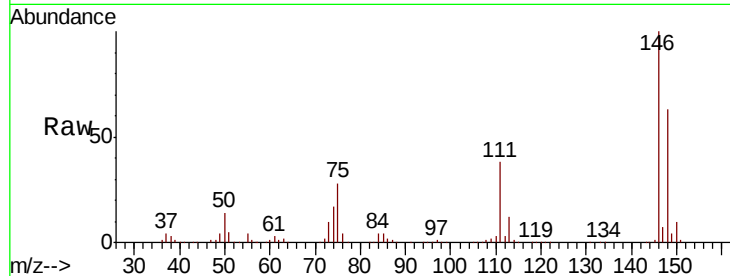




#87
 1,3-Dichlorobenzene
 Concen: 20.80 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

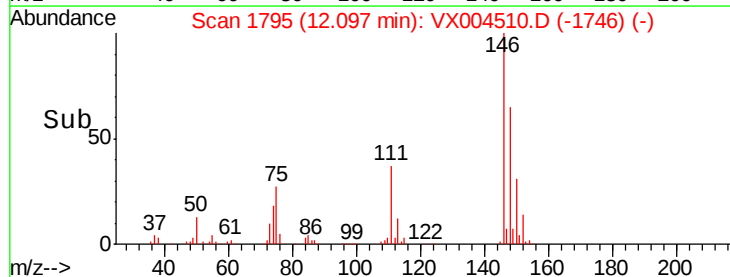
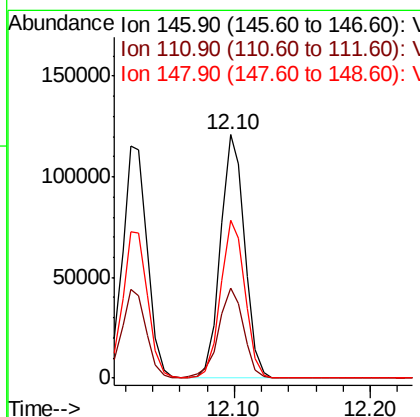
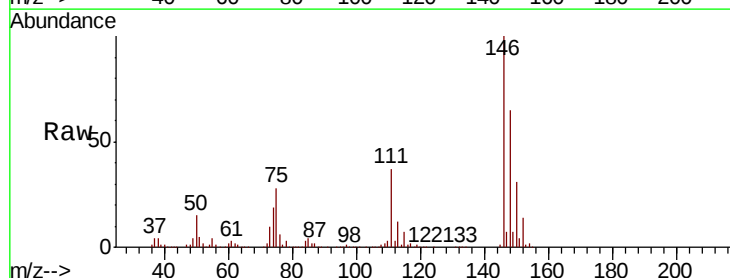
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

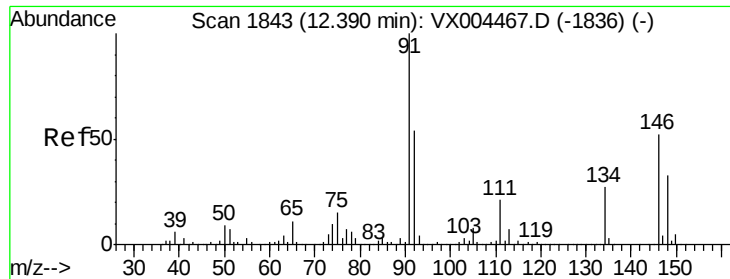
Tot Ion:146 Resp: 147837
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.7 56.1
 148 63.4 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.24 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion:146 Resp: 148620
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.1 54.1
 148 65.0 32.0 96.0

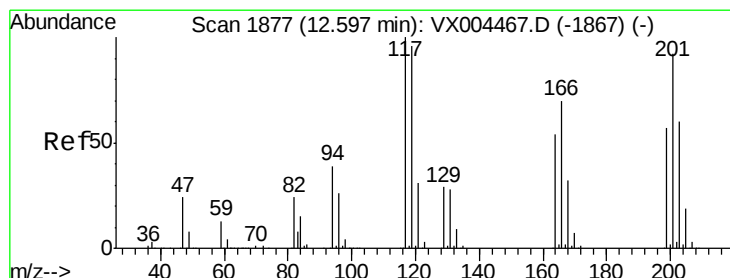
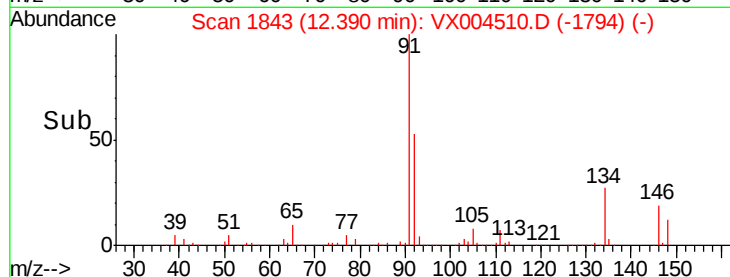
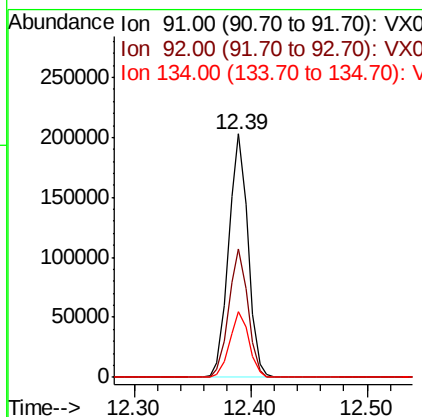
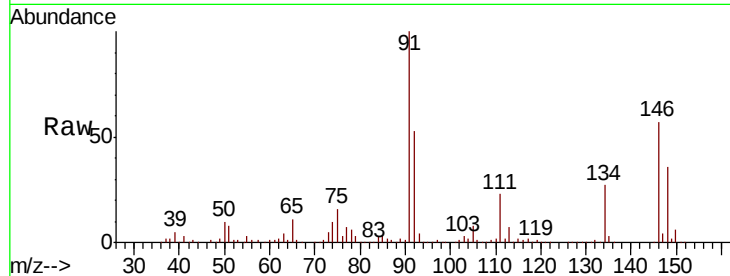




#89
n-Butylbenzene
Concen: 20.68 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

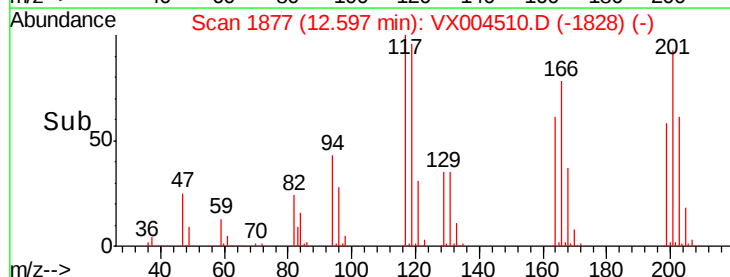
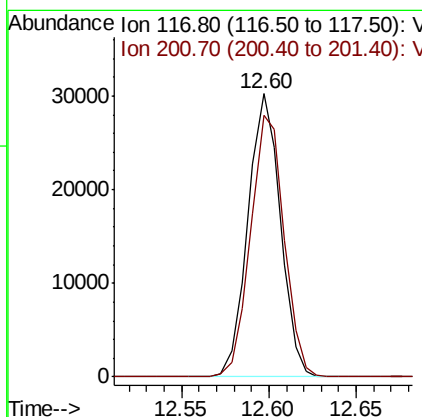
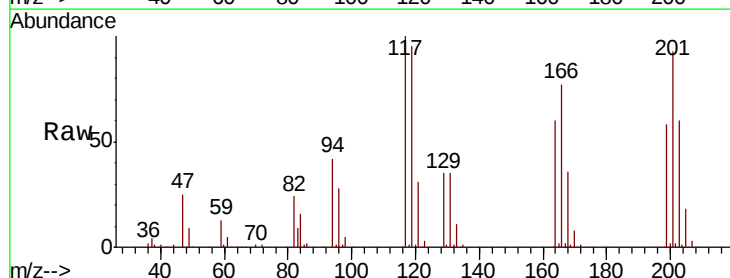
Instrument :
MSVOA_X
ClientSampled :
VX0913MBS01

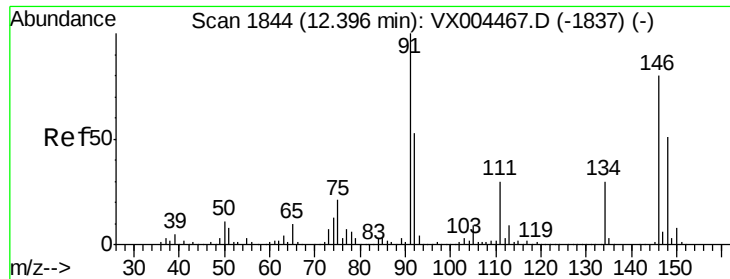
Tot Ion: 91 Resp: 233854
Ion Ratio Lower Upper
91 100
92 52.2 27.3 81.9
134 26.8 13.6 40.7



#90
Hexachloroethane
Concen: 19.58 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX004510.D
Acq: 13 Sep 2018 12:34

Tgt Ion: 117 Resp: 38898
Ion Ratio Lower Upper
117 100
201 95.8 46.9 140.6





#91

1,2-Dichlorobenzene

Concen: 20.59 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

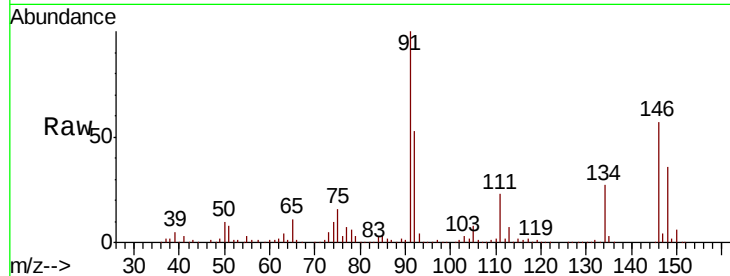
Tot Ion:146 Resp: 148119

Ion Ratio Lower Upper

146 100

111 39.2 19.4 58.1

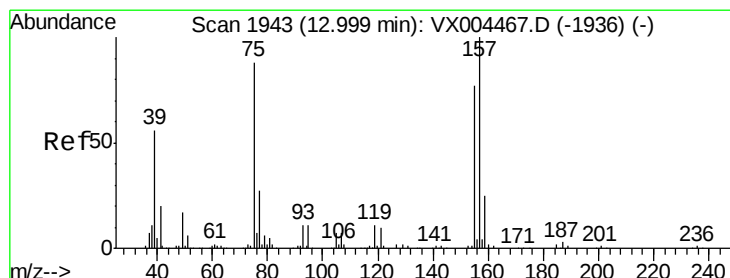
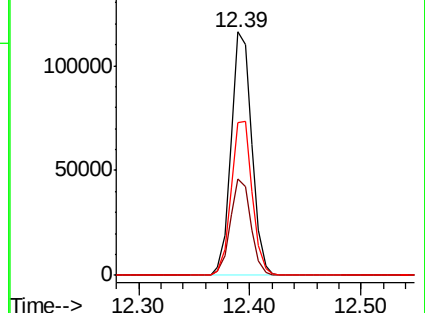
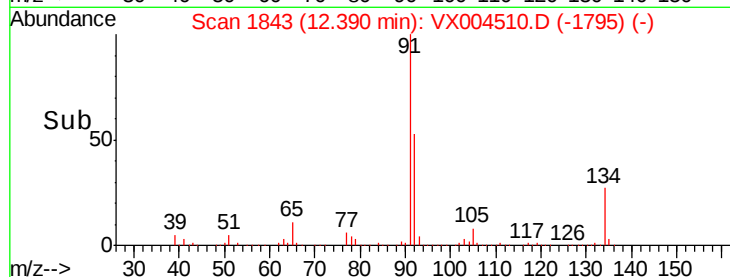
148 64.2 32.8 98.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.24 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

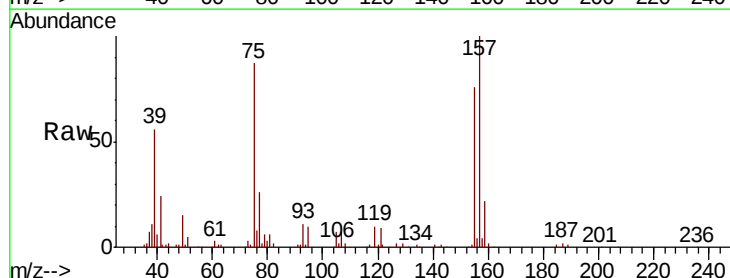
Tgt Ion: 75 Resp: 20159

Ion Ratio Lower Upper

75 100

155 93.8 48.0 144.2

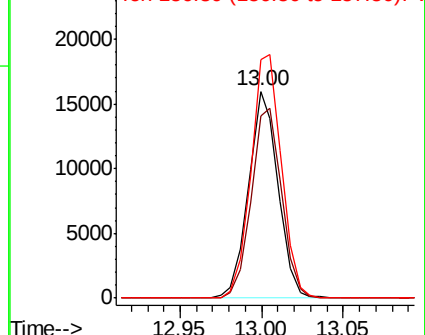
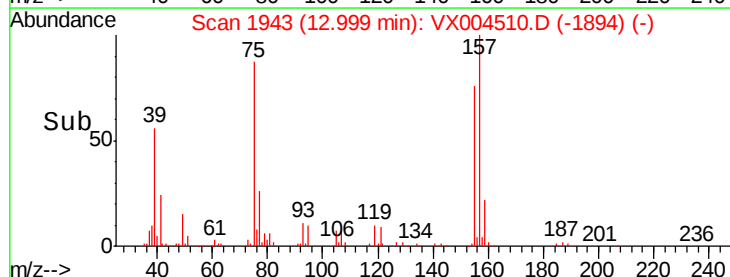
157 121.0 61.4 184.1

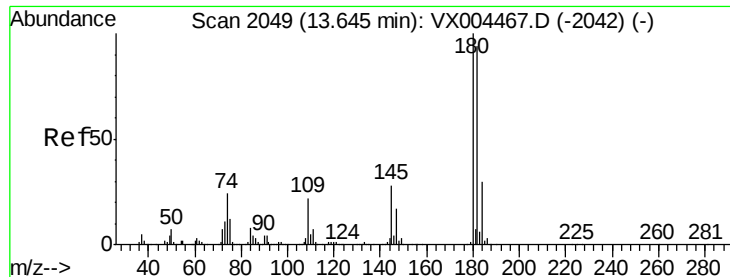


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

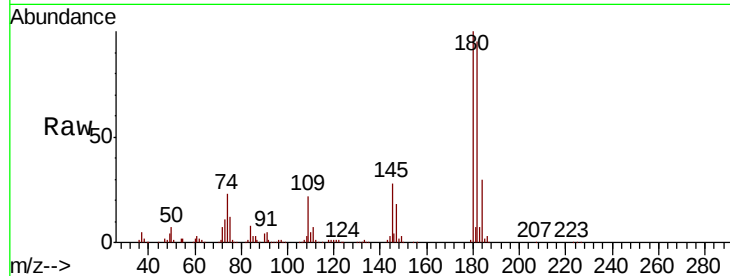




#93
 1,2,4-Trichlorobenzene
 Concen: 20.93 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0913MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.0
145	28.2	14.3	42.9

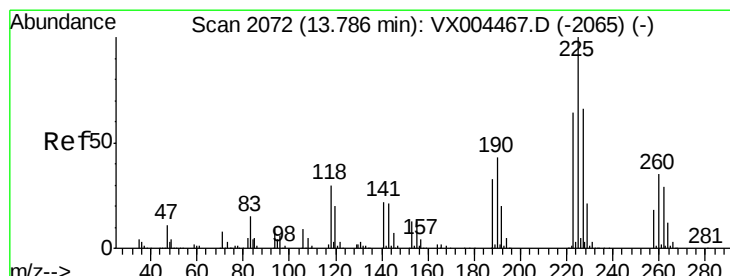
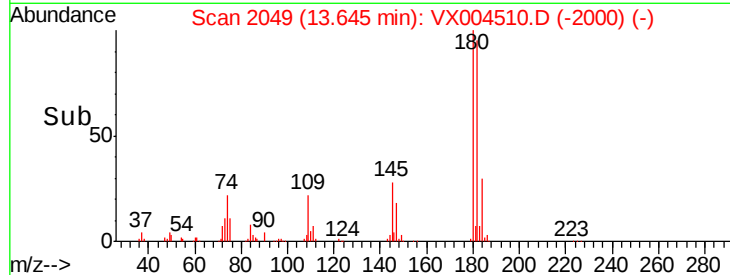
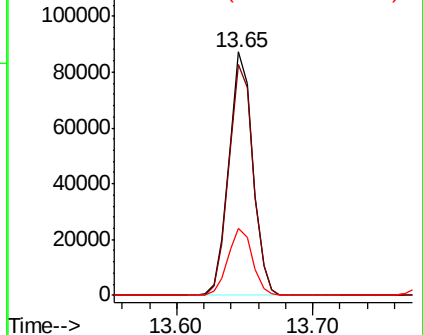


Abundance

Ion 179.80 (179.50 to 180.50): V

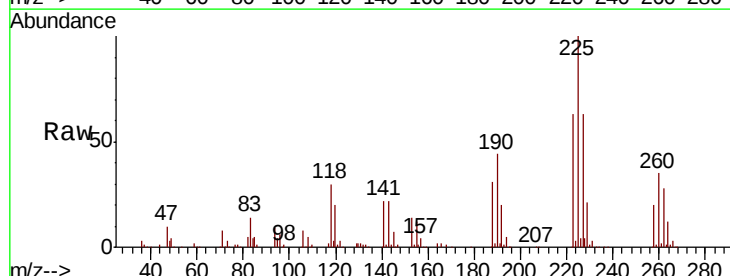
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.43 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX004510.D
 Acq: 13 Sep 2018 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	30.1	90.5
227	63.2	30.8	92.4

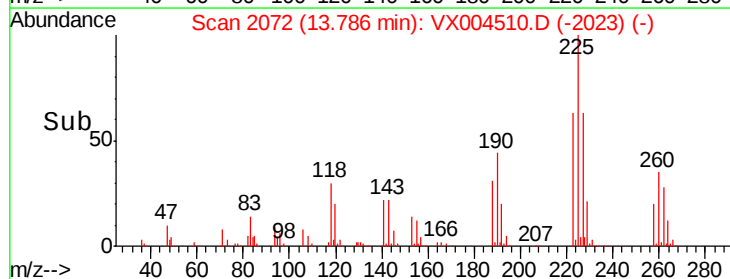
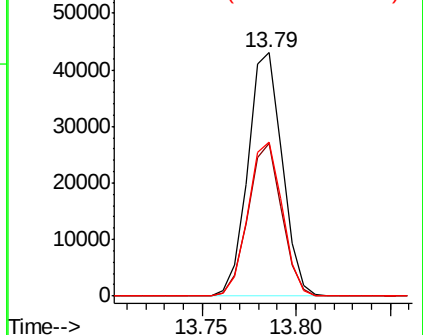


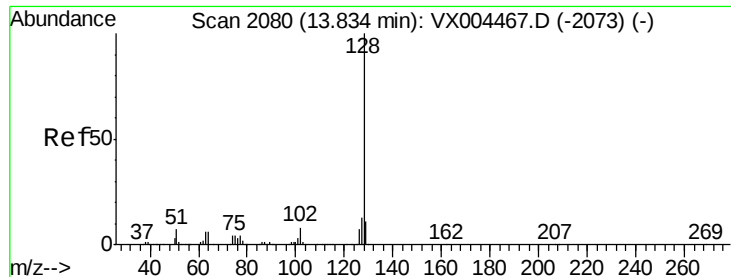
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.77 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

Instrument :

MSVOA_X

ClientSampleId :

VX0913MBS01

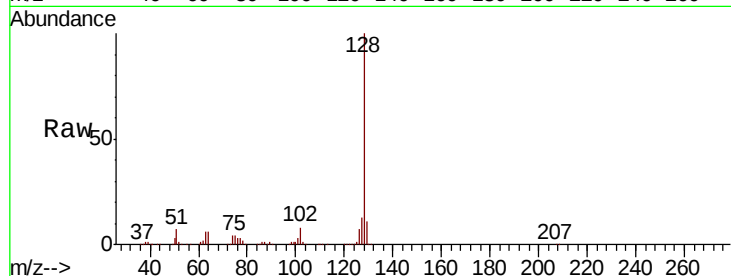
Tot Ion:128 Resp: 311074

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

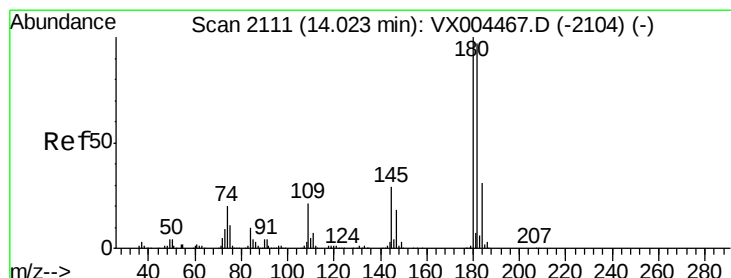
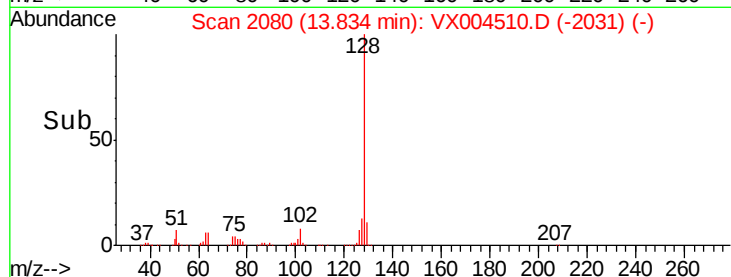
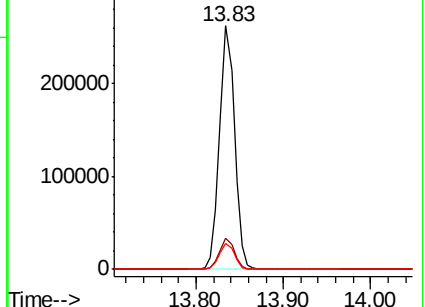
129 10.7 8.6 12.8



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: 20.97 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX004510.D

Acq: 13 Sep 2018 12:34

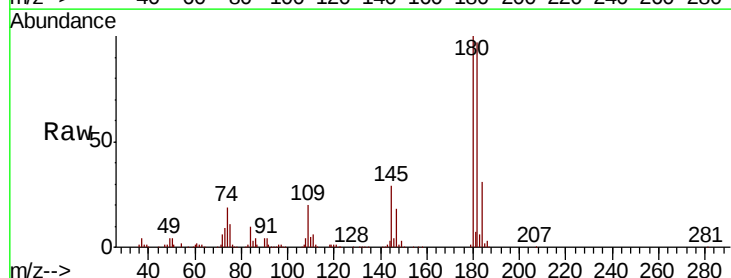
Tgt Ion:180 Resp: 109718

Ion Ratio Lower Upper

180 100

182 96.5 48.5 145.6

145 29.9 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

