

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091918\
 Data File : VX004702.D
 Acq On : 19 Sep 2018 13:39
 Operator : JC/MD
 Sample : VX0919WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Quant Time: Sep 19 16:49:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 12 02:17:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	254870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	348345	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	325288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	147261	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	
35) Dibromofluoromethane	5.50	113	140604	44.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.22%	
50) Toluene-d8	8.71	98	495053	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
62) 4-Bromofluorobenzene	11.14	95	180438	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	47553	19.908	ug/l	98
3) Chloromethane	1.32	50	65960	20.065	ug/l	99
4) Vinyl Chloride	1.40	62	73222	21.702	ug/l	91
5) Bromomethane	1.64	94	37873	26.247	ug/l	92
6) Chloroethane	1.72	64	43276	19.834	ug/l	90
7) Trichlorofluoromethane	1.93	101	89559	20.023	ug/l	99
8) Diethyl Ether	2.18	74	43209	21.548	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	57465	20.252	ug/l	95
10) Methyl Iodide	2.51	142	60216	20.499	ug/l	95
11) Tert butyl alcohol	3.07	59	75707	96.545	ug/l	99
12) 1,1-Dichloroethene	2.37	96	58220	21.862	ug/l	95
13) Acrolein	2.29	56	22167	71.612	ug/l	99
14) Allyl chloride	2.73	41	109095	19.926	ug/l	96
15) Acrylonitrile	3.15	53	188054	99.586	ug/l	98
16) Acetone	2.45	43	143259	89.315	ug/l	98
17) Carbon Disulfide	2.57	76	142226	18.477	ug/l	99
18) Methyl Acetate	2.78	43	98663	21.925	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	209759	22.448	ug/l	93
20) Methylene Chloride	2.85	84	66076	20.082	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	62305	21.172	ug/l	97
22) Diisopropyl ether	3.87	45	217960	22.104	ug/l	93
23) Vinyl Acetate	3.82	43	840814	105.368	ug/l	99
24) 1,1-Dichloroethane	3.70	63	117803	21.160	ug/l	98
25) 2-Butanone	4.70	43	237675	93.106	ug/l	96
26) 2,2-Dichloropropane	4.58	77	84426	22.079	ug/l	95
27) cis-1,2-Dichloroethene	4.59	96	69943	21.292	ug/l	99
28) Bromochloromethane	5.03	49	52480	20.608	ug/l	100
29) Tetrahydrofuran	5.15	42	153465	99.688	ug/l	100
30) Chloroform	5.21	83	115916	21.327	ug/l	94
31) Cyclohexane	5.57	56	100201	21.078	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	93670	21.398	ug/l	98
36) 1,1-Dichloropropene	5.79	75	78537	18.571	ug/l	97
37) Ethyl Acetate	4.86	43	90289	18.771	ug/l	99
38) Carbon Tetrachloride	5.79	117	78211	18.934	ug/l	90

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Quant Time: Sep 19 16:49:35 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	88835	20.129	ug/l	98
40) Benzene	6.14	78	253296	20.186	ug/l	97
41) Methacrylonitrile	5.06	41	53013	20.004	ug/l	98
42) 1,2-Dichloroethane	6.20	62	82011	19.706	ug/l	98
43) Isopropyl Acetate	6.46	43	130141	20.371	ug/l	99
44) Trichloroethene	7.21	130	72187	22.144	ug/l	86
45) 1,2-Dichloropropane	7.52	63	64549	21.379	ug/l	100
46) Dibromomethane	7.66	93	39760	20.844	ug/l	98
47) Bromodichloromethane	7.90	83	72821	20.188	ug/l	99
48) Methyl methacrylate	7.78	41	64762	20.484	ug/l	97
49) 1,4-Dioxane	7.76	88	26946	360.093	ug/l	96
51) 4-Methyl-2-Pentanone	8.65	43	415699	92.205	ug/l	100
52) Toluene	8.79	92	151126	20.442	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	82496	19.578	ug/l	97
54) cis-1,3-Dichloropropene	8.44	75	91622	21.330	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	62077	19.501	ug/l	98
56) Ethyl methacrylate	9.18	69	90409	20.076	ug/l	98
57) 1,3-Dichloropropane	9.37	76	101643	19.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	214909	98.215	ug/l	97
59) 2-Hexanone	9.49	43	312415	90.343	ug/l	99
60) Dibromochloromethane	9.59	129	59336	19.800	ug/l	99
61) 1,2-Dibromoethane	9.67	107	63770	20.971	ug/l	100
64) Tetrachloroethene	9.34	164	84353	20.770	ug/l	96
65) Chlorobenzene	10.14	112	173871	21.519	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	59804	21.463	ug/l	100
67) Ethyl Benzene	10.26	91	283411	21.571	ug/l	99
68) m/p-Xylenes	10.36	106	222573	43.979	ug/l	98
69) o-Xylene	10.70	106	108436	22.287	ug/l	100
70) Styrene	10.71	104	180281	22.366	ug/l	100
71) Bromoform	10.86	173	46470	20.312	ug/l	99
73) Isopropylbenzene	11.02	105	297364	23.244	ug/l	99
74) N-amyl acetate	10.90	43	114085	21.187	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	81486	19.747	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	102484	26.224	ug/l	87
77) Bromobenzene	11.26	156	79350	22.441	ug/l	99
78) n-propylbenzene	11.36	91	330125	22.443	ug/l	100
79) 2-Chlorotoluene	11.42	91	197272	22.113	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	244416	22.727	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	25059	20.438	ug/l	97
82) 4-Chlorotoluene	11.51	91	228195	21.916	ug/l	99
83) tert-Butylbenzene	11.77	119	234850	22.938	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	251914	22.942	ug/l	99
85) sec-Butylbenzene	11.94	105	296185	22.701	ug/l	99
86) p-Isopropyltoluene	12.07	119	266540	23.134	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	143345	21.728	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	146535	21.496	ug/l	99
89) n-Butylbenzene	12.39	91	225242	21.453	ug/l	98
90) Hexachloroethane	12.60	117	38436	20.838	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	146479	21.936	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	17880	20.293	ug/l	92

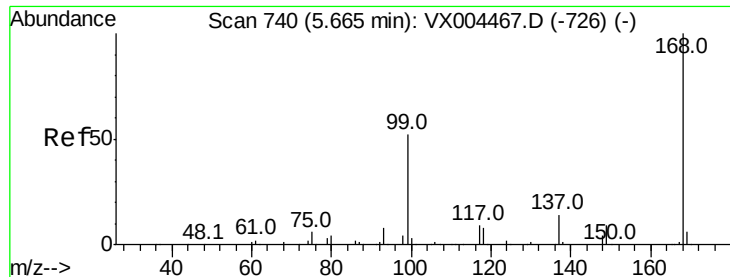
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091918\
Data File : VX004702.D
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091118W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 12 02:17:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	107735	22.786	ug/l	99
94) Hexachlorobutadiene	13.79	225	53345	21.599	ug/l	97
95) Naphthalene	13.83	128	312513	23.566	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	109958	22.637	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

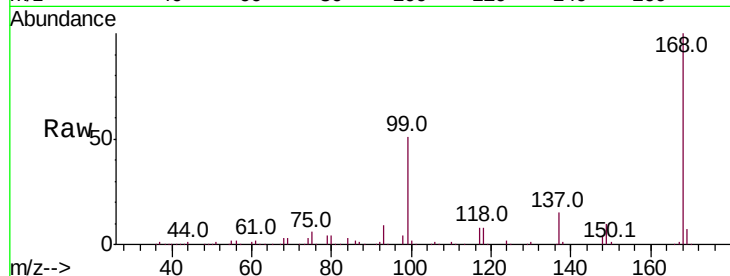
VX0919WBSD01

Tot Ion:168 Resp: 254870

Ion Ratio Lower Upper

168 100

99 51.2 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

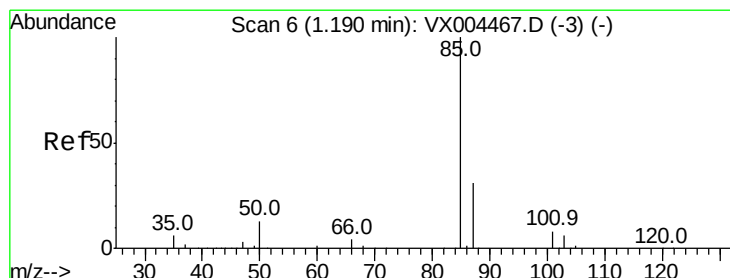
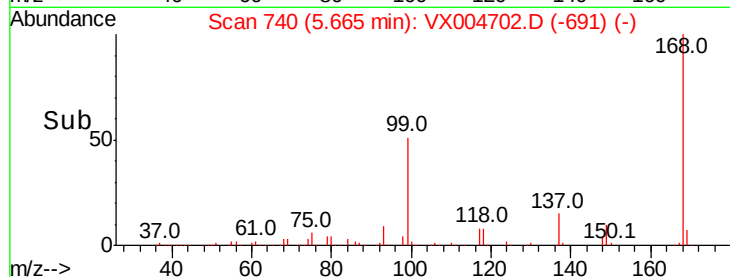
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.908 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.01 min

Lab File: VX004702.D

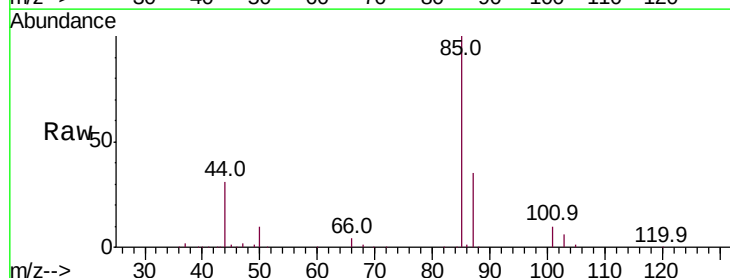
Acq: 19 Sep 2018 13:39

Tgt Ion: 85 Resp: 47553

Ion Ratio Lower Upper

85 100

87 35.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

50000

40000

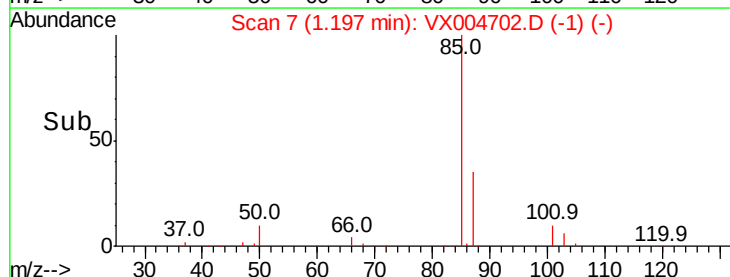
30000

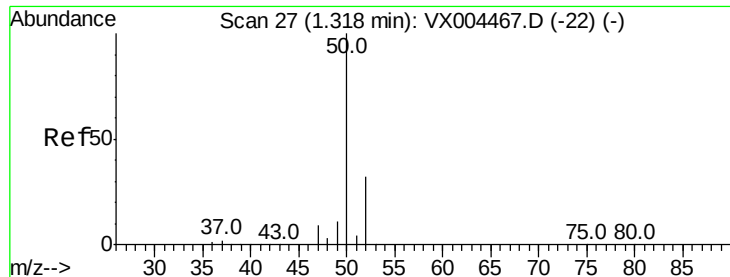
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 20.065 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

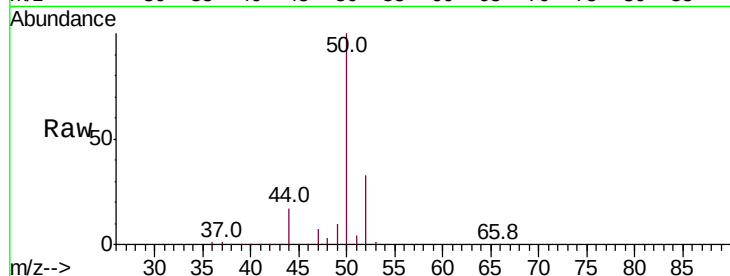
VX0919WBSD01

Tot Ion: 50 Resp: 65960

Ion Ratio Lower Upper

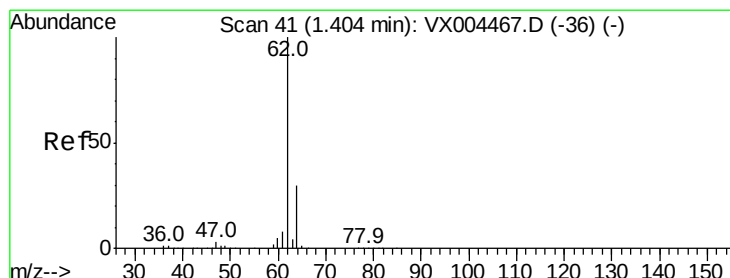
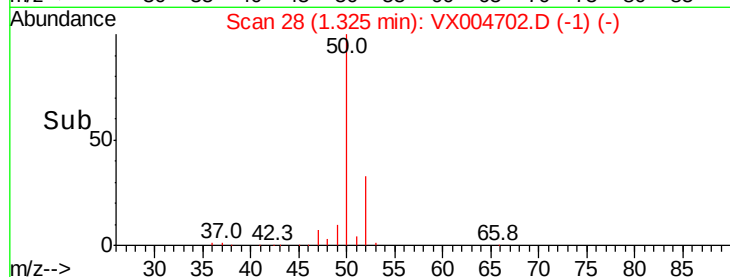
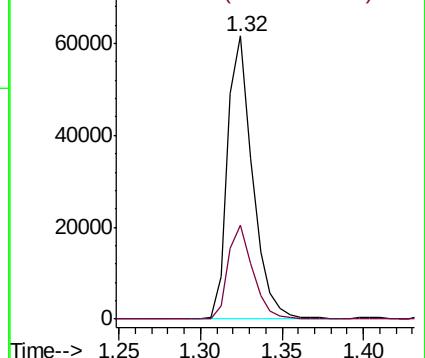
50 100

52 33.3 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: 21.702 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX004702.D

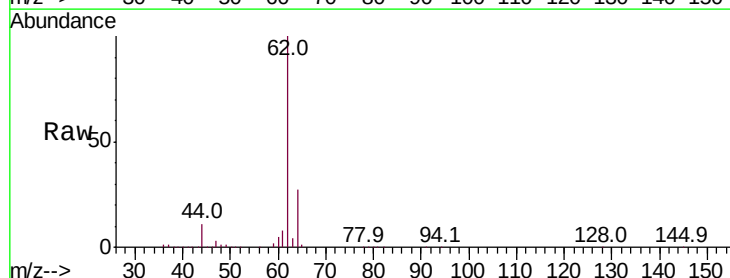
Acq: 19 Sep 2018 13:39

Tgt Ion: 62 Resp: 73222

Ion Ratio Lower Upper

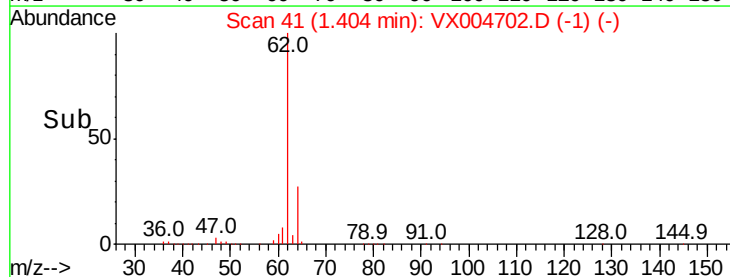
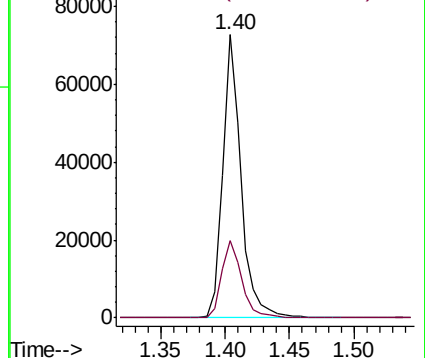
62 100

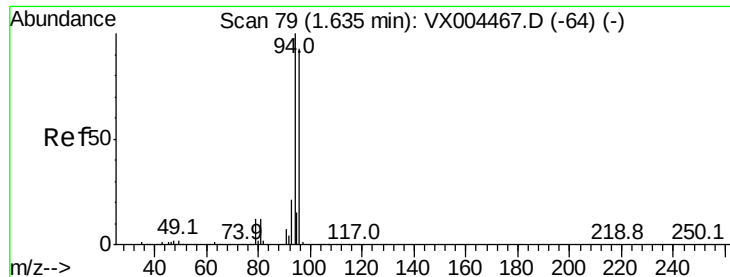
64 27.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 26.247 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

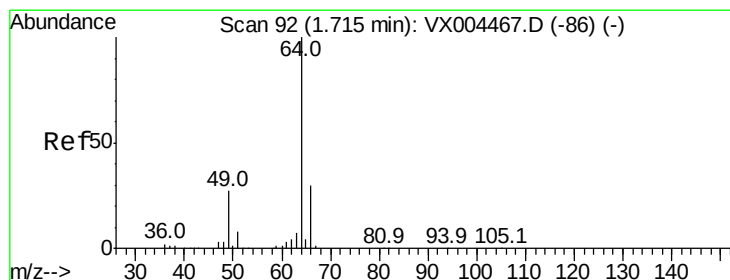
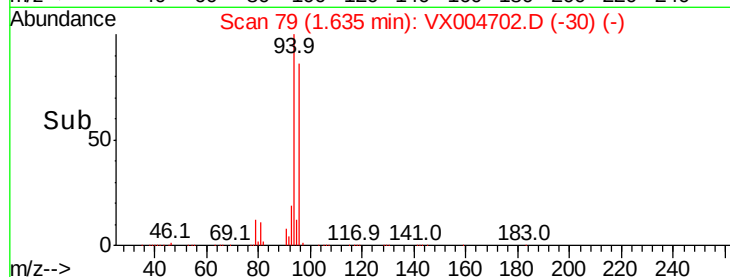
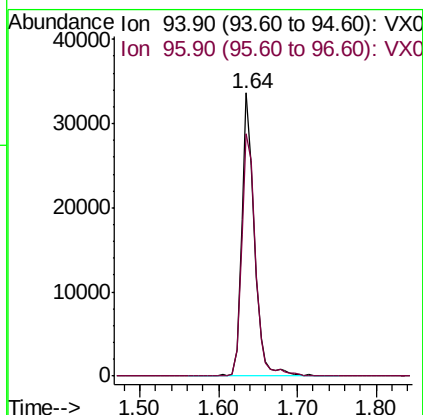
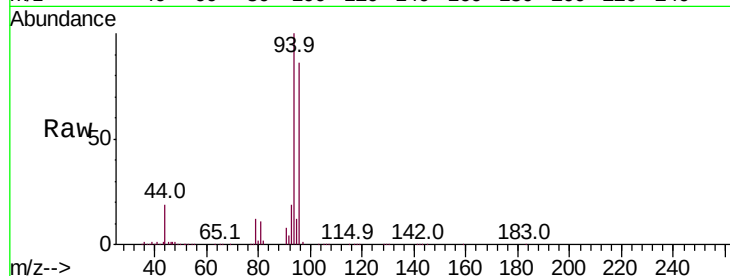
VX0919WBSD01

Tot Ion: 94 Resp: 37873

Ion Ratio Lower Upper

94 100

96 85.6 74.5 111.7



#6

Chloroethane

Concen: 19.834 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX004702.D

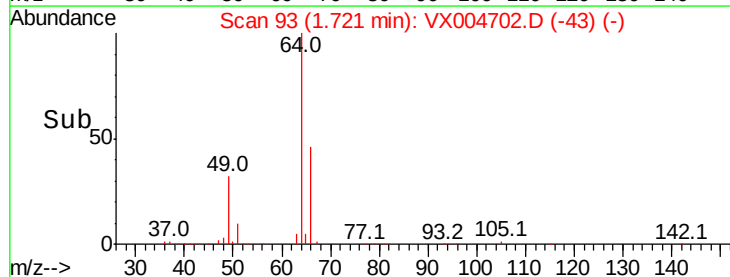
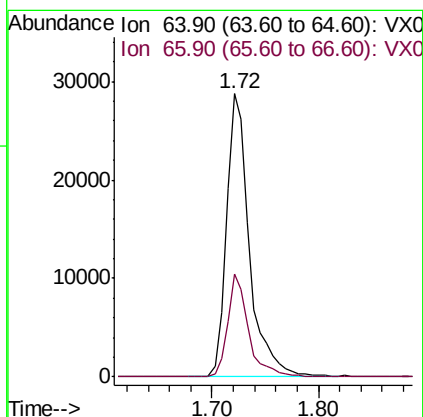
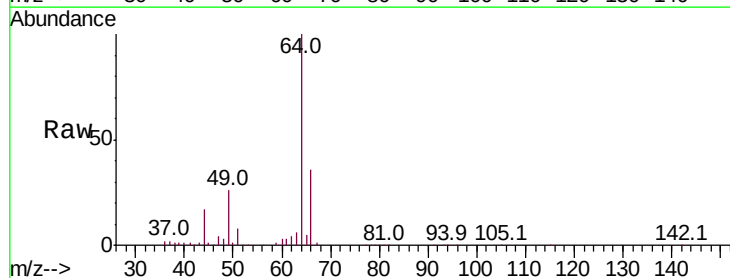
Acq: 19 Sep 2018 13:39

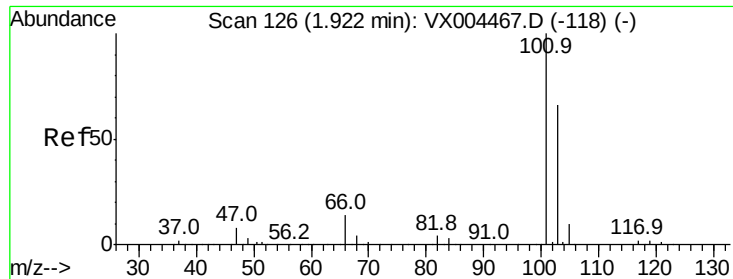
Tgt Ion: 64 Resp: 43276

Ion Ratio Lower Upper

64 100

66 36.2 24.6 36.8



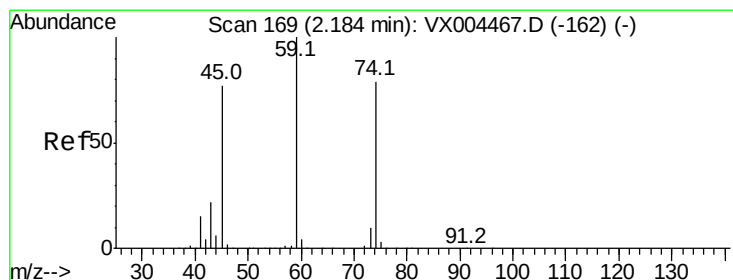
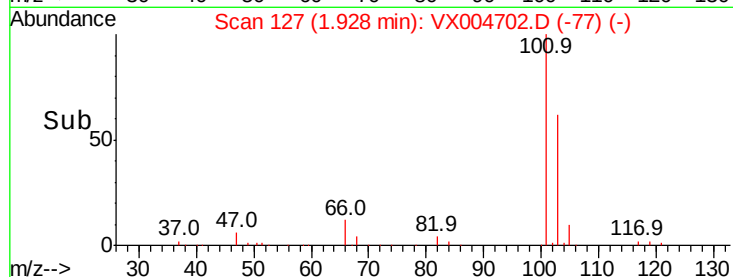
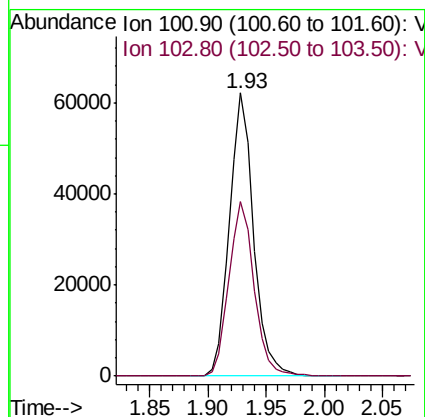
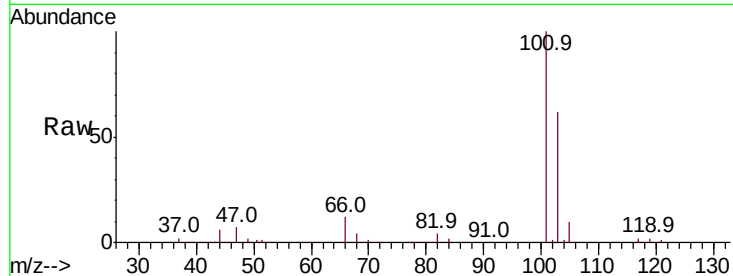


#7

Trichlorofluoromethane
 Concen: 20.023 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

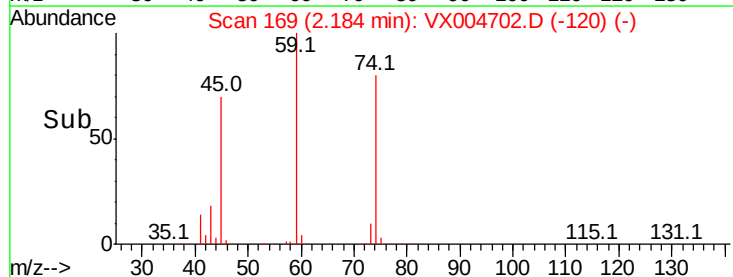
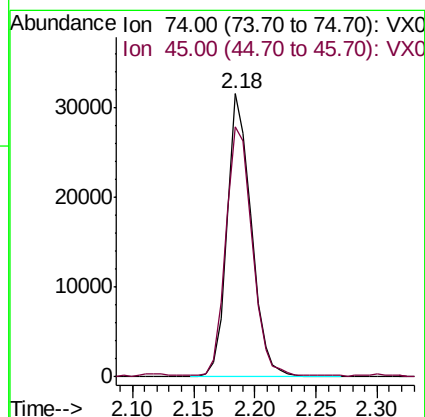
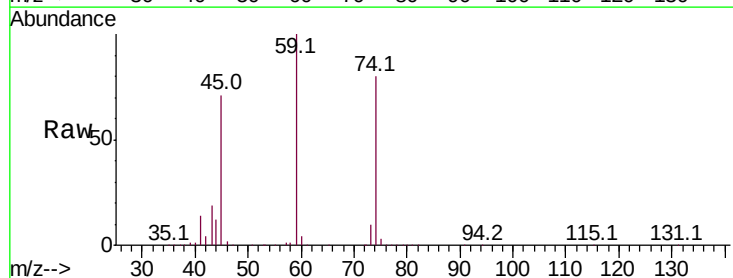
Tot Ion:101 Resp: 89559
 Ion Ratio Lower Upper
 101 100
 103 61.9 48.9 73.3

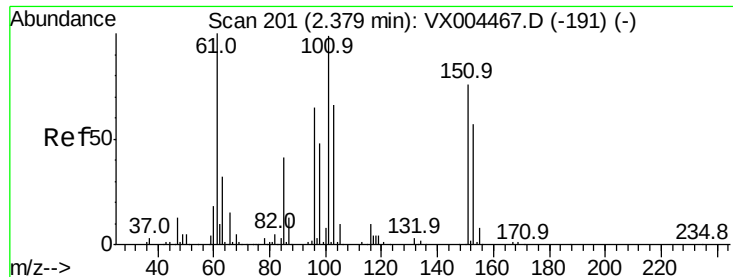


#8

Diethyl Ether
 Concen: 21.548 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion: 74 Resp: 43209
 Ion Ratio Lower Upper
 74 100
 45 95.9 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.252 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

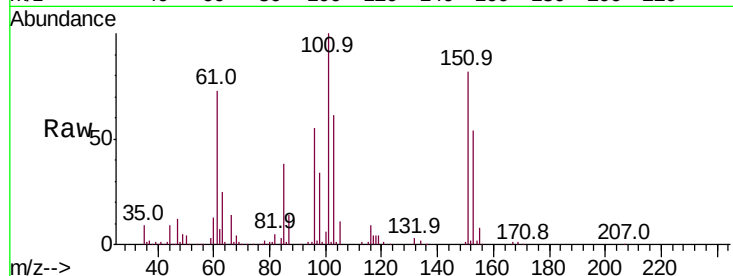
Tot Ion:101 Resp: 57465

Ion Ratio Lower Upper

101 100

85 40.9 34.2 51.4

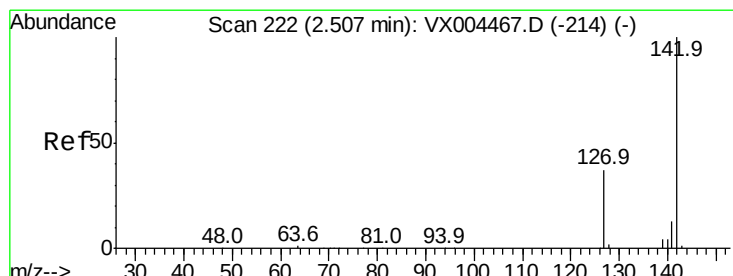
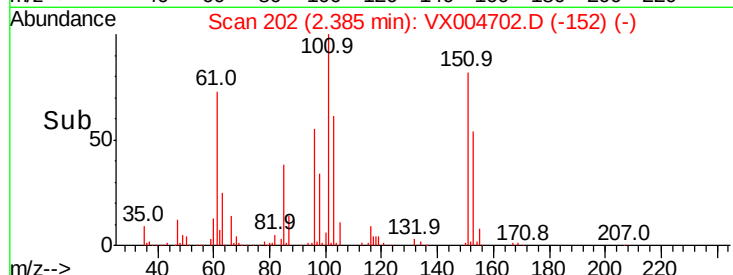
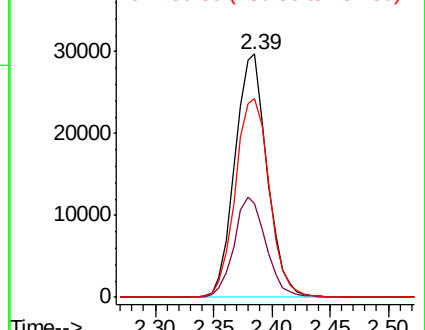
151 86.3 65.0 97.6



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: 20.499 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

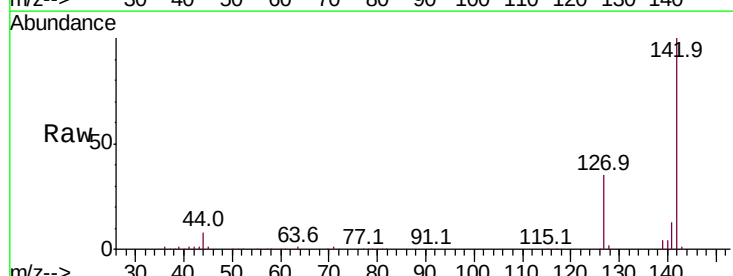
Tgt Ion:142 Resp: 60216

Ion Ratio Lower Upper

142 100

127 38.4 33.8 50.6

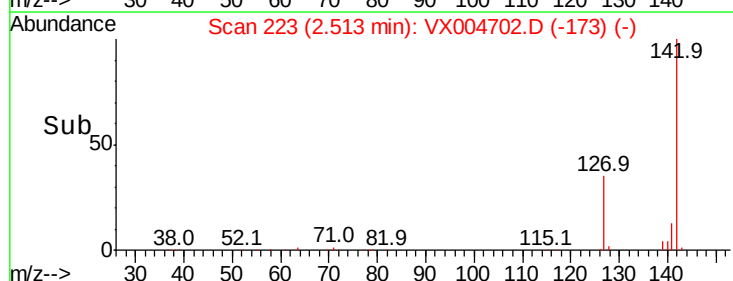
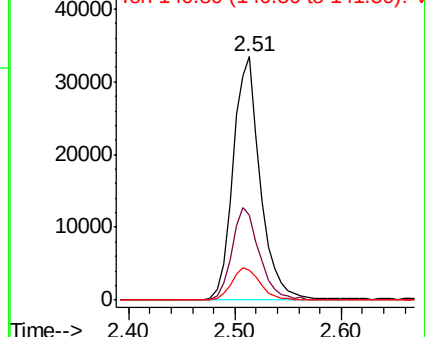
141 14.1 11.4 17.0

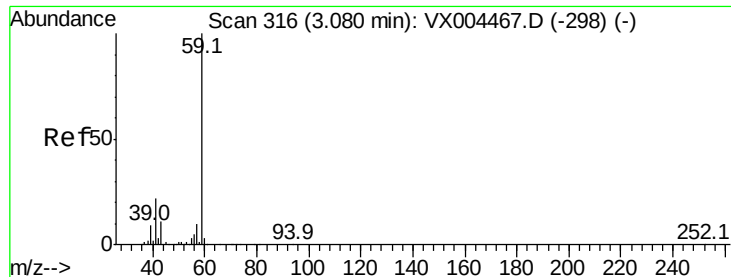


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



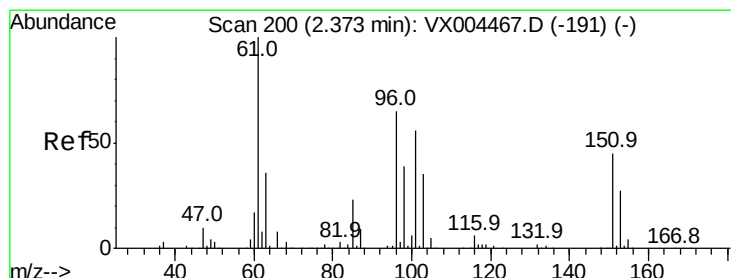
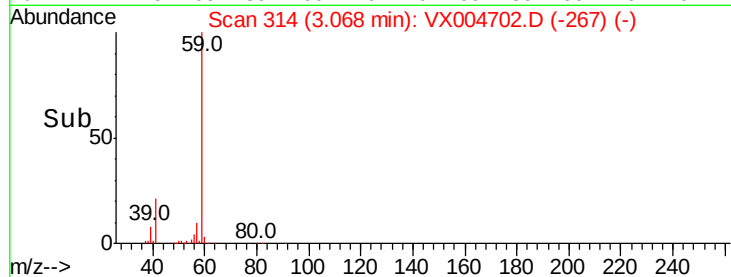
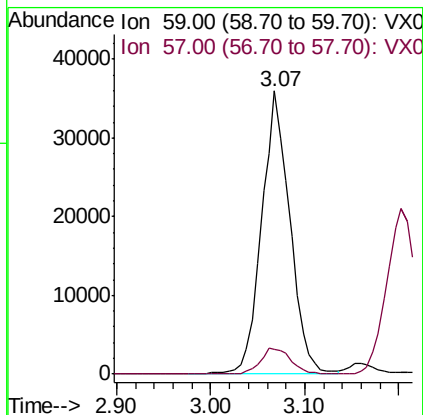
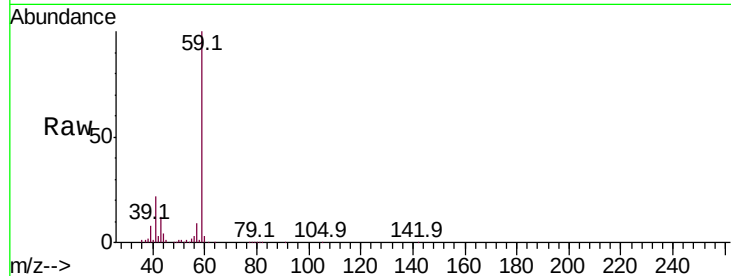


#11

Tert butyl alcohol
Concen: 96.545 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

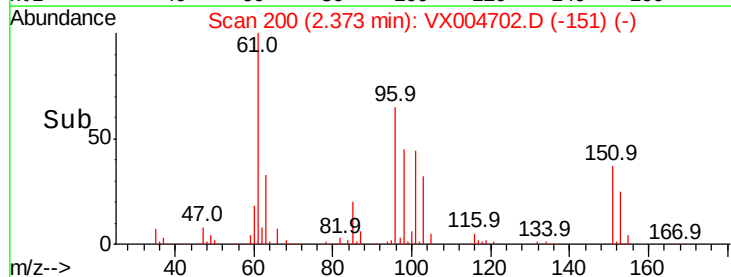
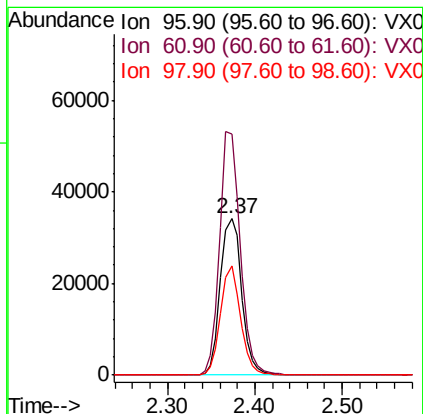
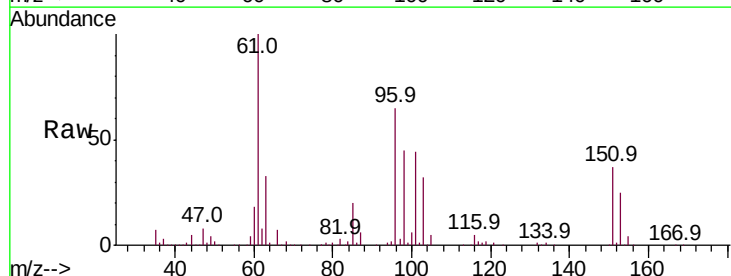
Tot Ion: 59 Resp: 75707
Ion Ratio Lower Upper
59 100
57 9.9 8.2 12.4

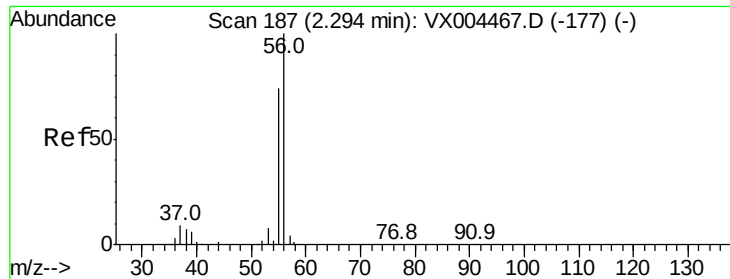


#12

1,1-Dichloroethene
Concen: 21.862 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 96 Resp: 58220
Ion Ratio Lower Upper
96 100
61 154.6 128.8 193.2
98 69.6 52.2 78.2





#13

Acrolein

Concen: 71.612 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

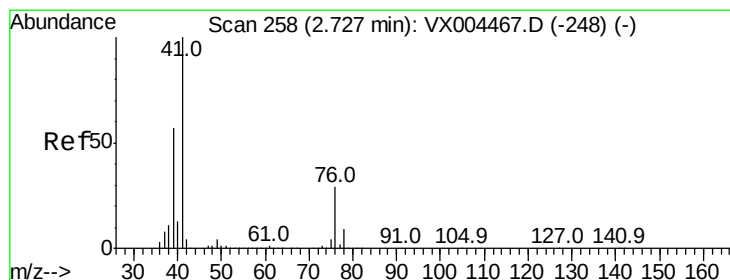
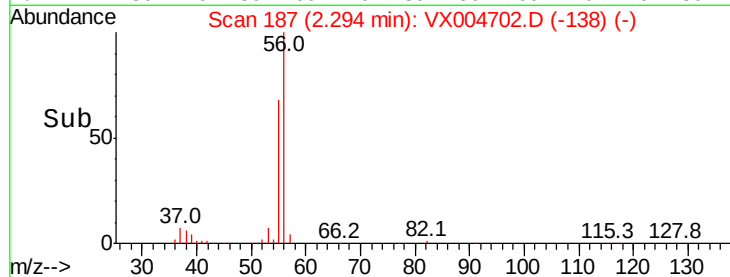
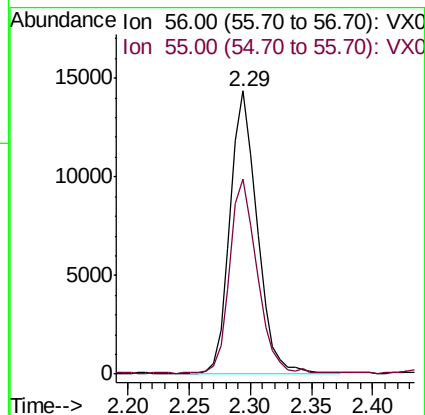
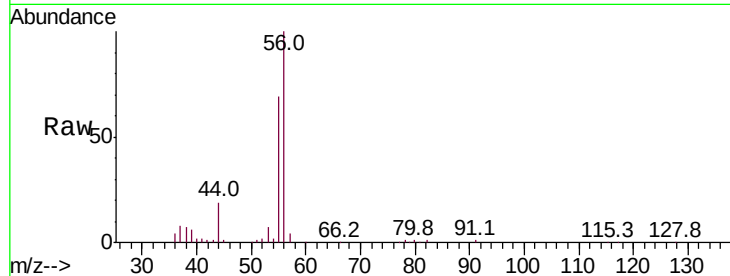
VX0919WBSD01

Tot Ion: 56 Resp: 22167

Ion Ratio Lower Upper

56 100

55 68.0 54.7 82.1



#14

Allyl chloride

Concen: 19.926 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

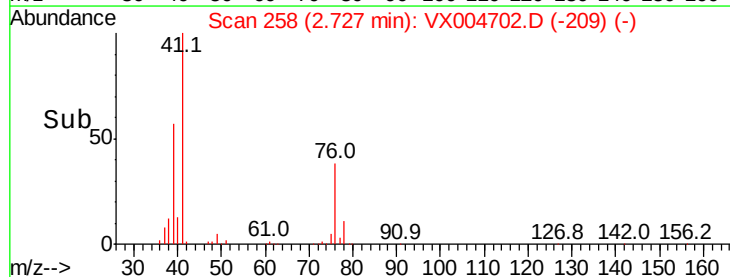
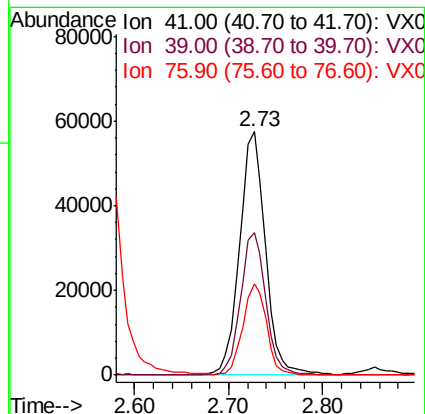
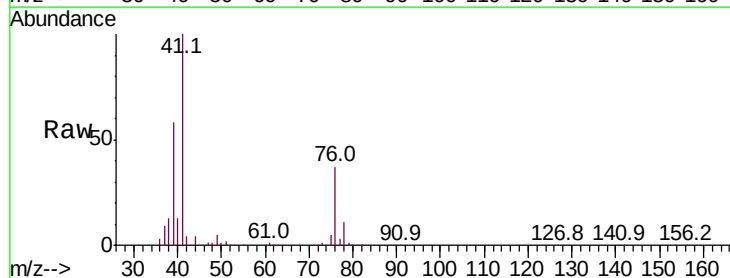
Tgt Ion: 41 Resp: 109095

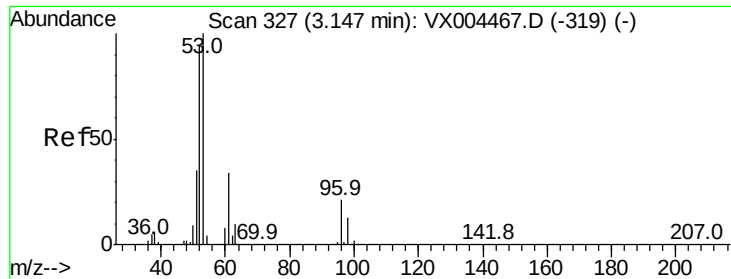
Ion Ratio Lower Upper

41 100

39 57.0 48.9 73.3

76 35.0 26.7 40.1





#15

Acrylonitrile

Concen: 99.586 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

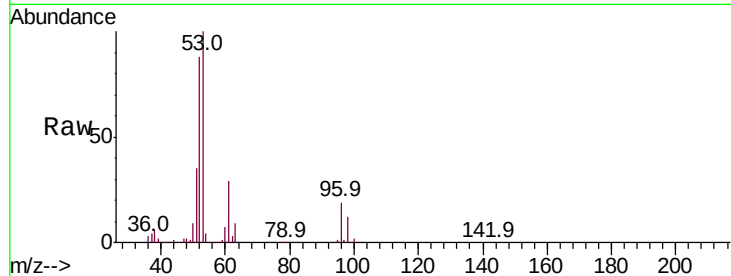
Tot Ion: 53 Resp: 188054

Ion Ratio Lower Upper

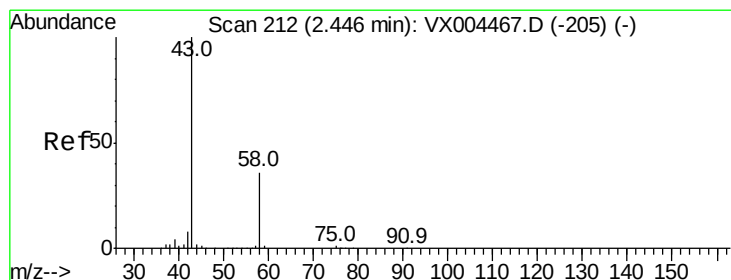
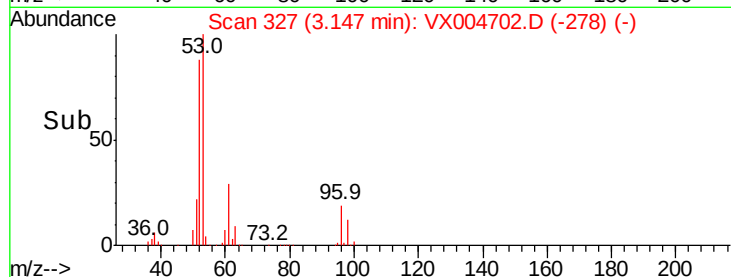
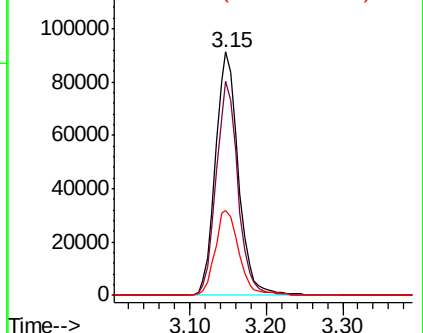
53 100

52 83.8 65.2 97.8

51 36.0 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: 89.315 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX004702.D

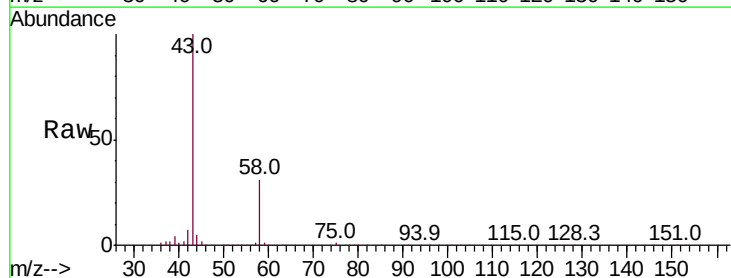
Acq: 19 Sep 2018 13:39

Tgt Ion: 43 Resp: 143259

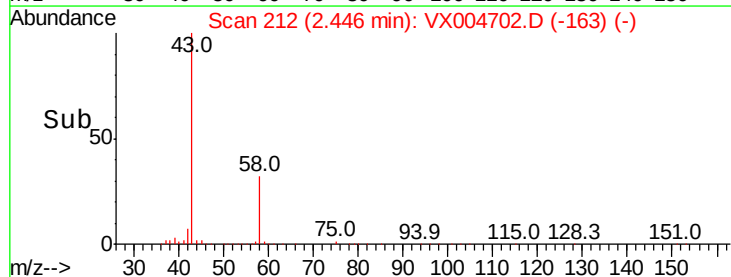
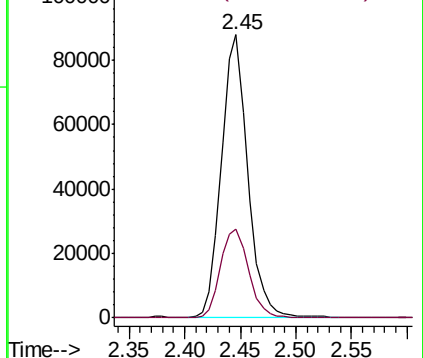
Ion Ratio Lower Upper

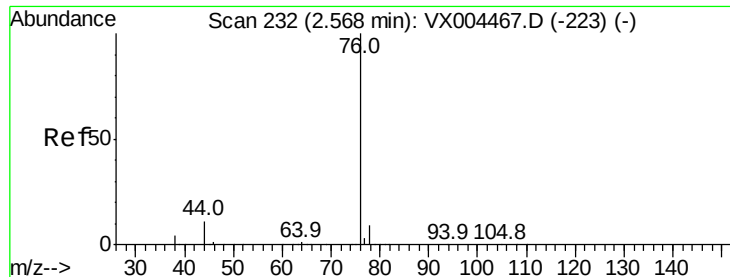
43 100

58 31.5 26.2 39.4



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





#17

Carbon Disulfide

Concen: 18.477 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

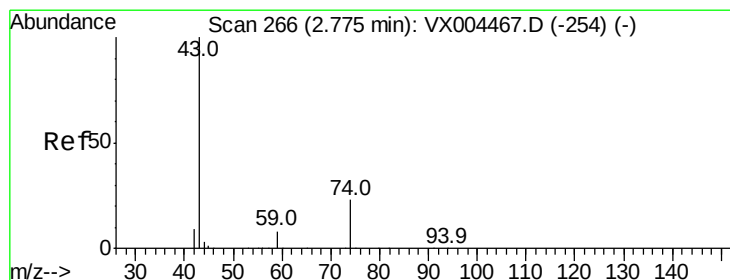
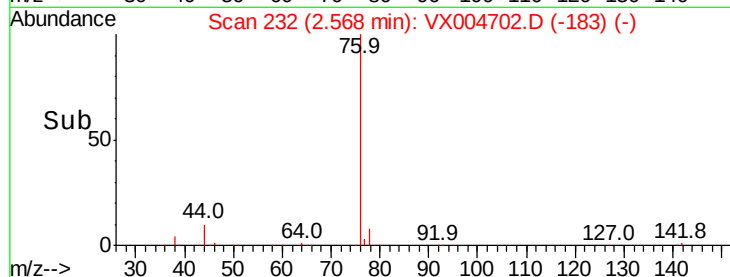
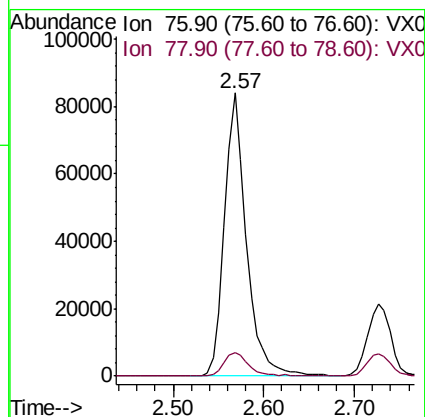
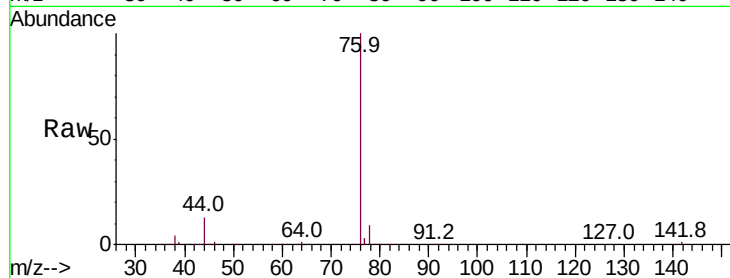
VX0919WBSD01

Tot Ion: 76 Resp: 142226

Ion Ratio Lower Upper

76 100

78 8.4 7.0 10.6



#18

Methyl Acetate

Concen: 21.925 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX004702.D

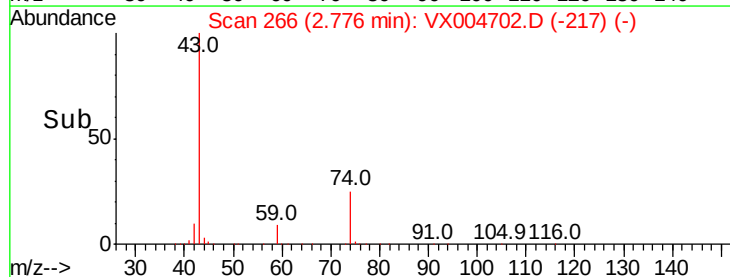
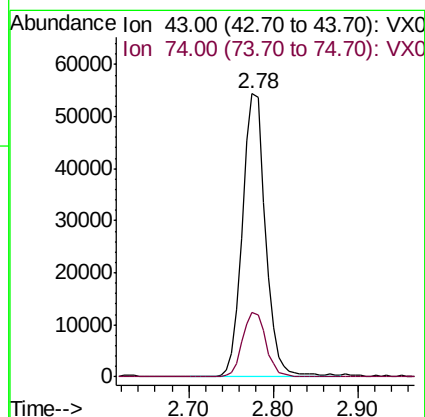
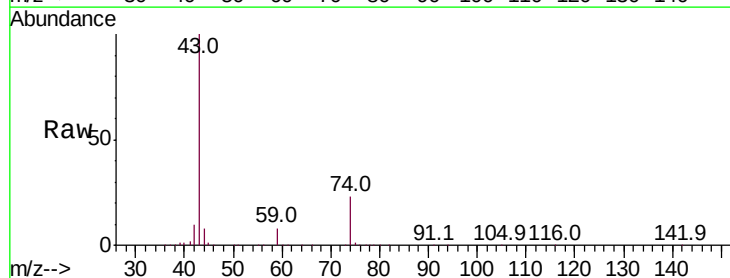
Acq: 19 Sep 2018 13:39

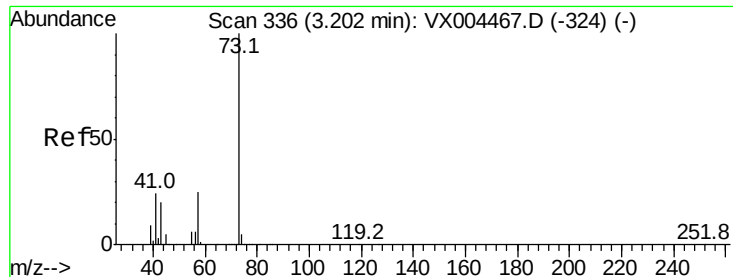
Tgt Ion: 43 Resp: 98663

Ion Ratio Lower Upper

43 100

74 23.8 19.4 29.2

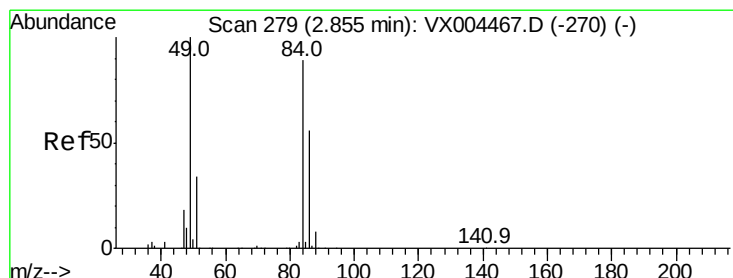
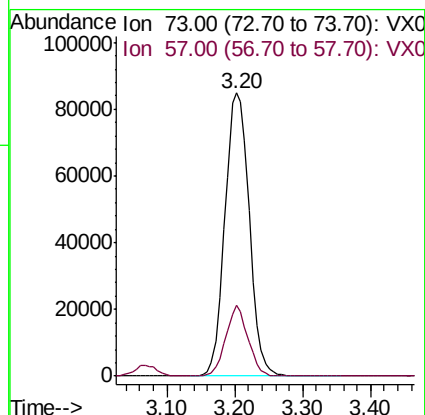
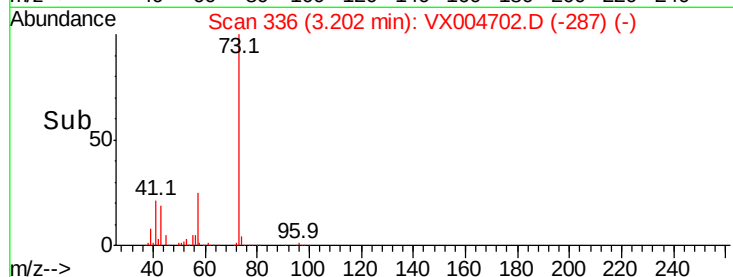
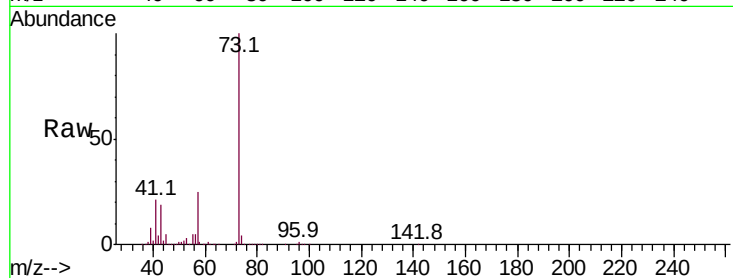




#19
Methyl tert-butyl Ether
Concen: 22.448 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

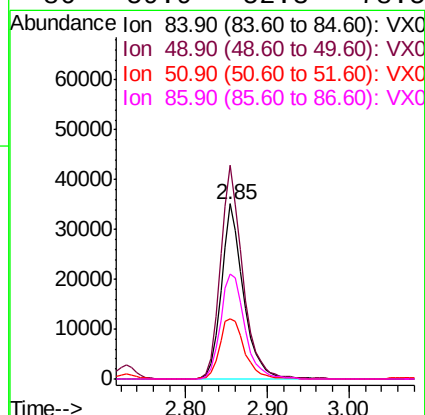
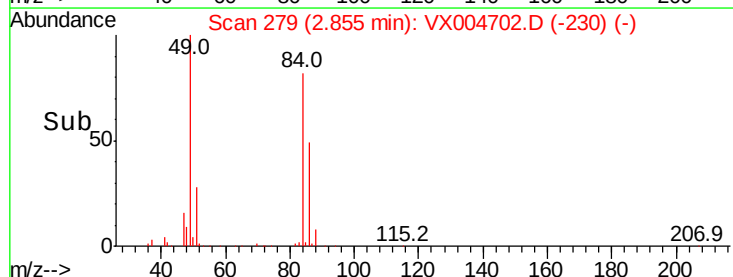
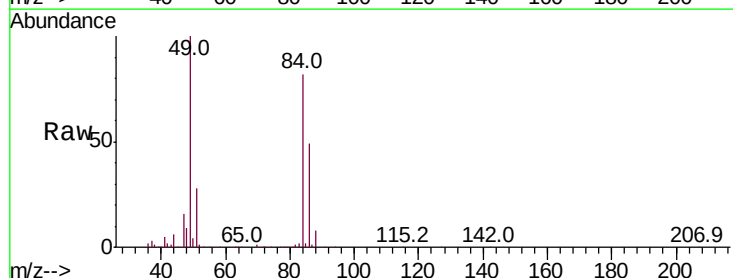
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

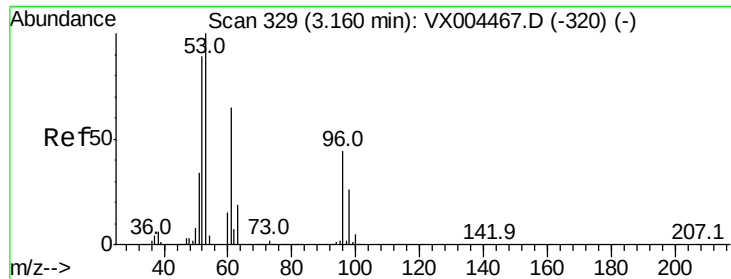
Tot Ion: 73 Resp: 209759
Ion Ratio Lower Upper
73 100
57 24.9 17.1 25.7



#20
Methylene Chloride
Concen: 20.082 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 84 Resp: 66076
Ion Ratio Lower Upper
84 100
49 122.2 101.2 151.8
51 34.0 29.5 44.3
86 59.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.172 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

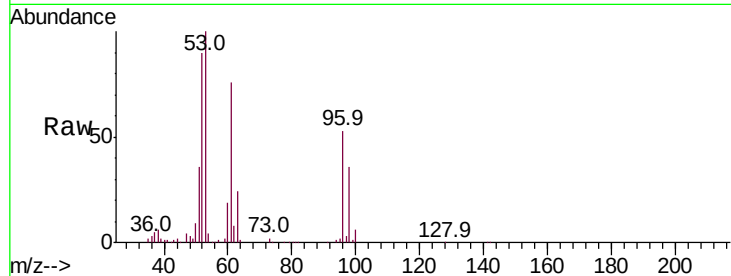
Tot Ion: 96 Resp: 62305

Ion Ratio Lower Upper

96 100

61 144.7 113.8 170.6

98 68.4 51.8 77.8

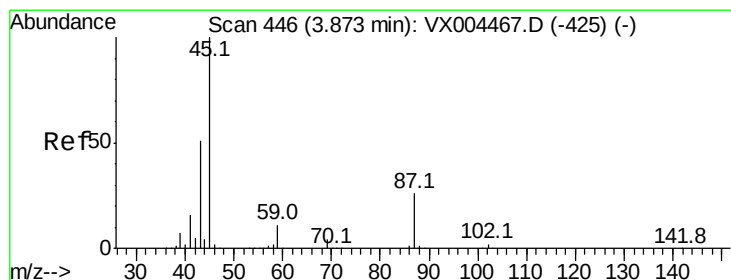
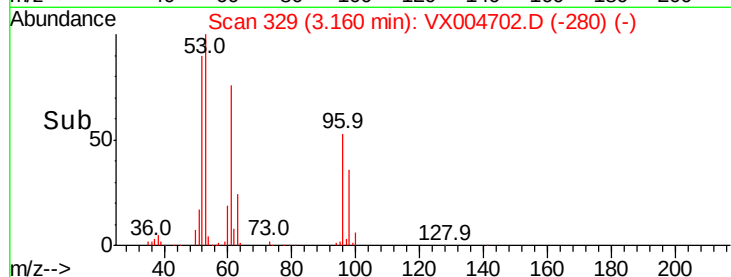
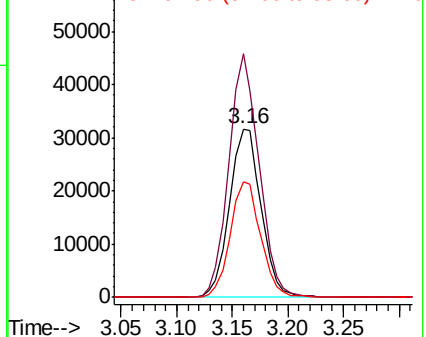


Abundance

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: 22.104 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Tgt Ion: 45 Resp: 217960

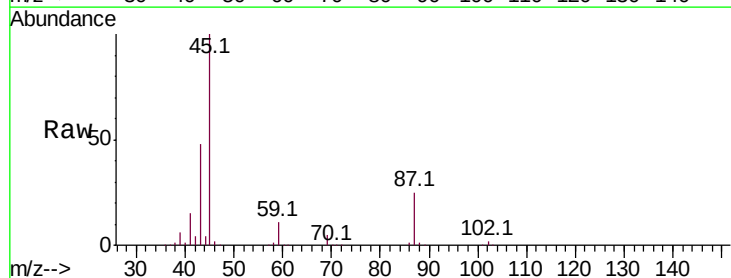
Ion Ratio Lower Upper

45 100

43 48.0 42.8 64.2

87 25.0 22.6 34.0

59 10.7 9.6 14.4



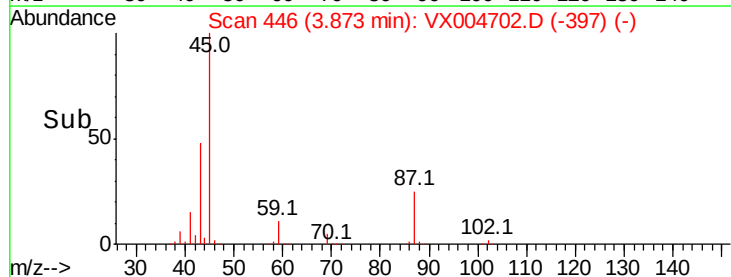
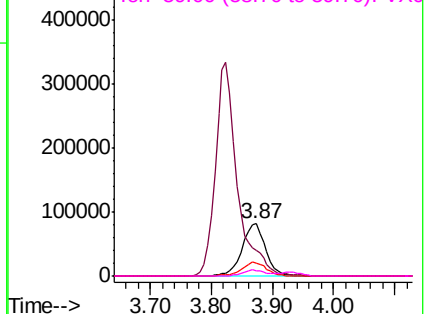
Abundance

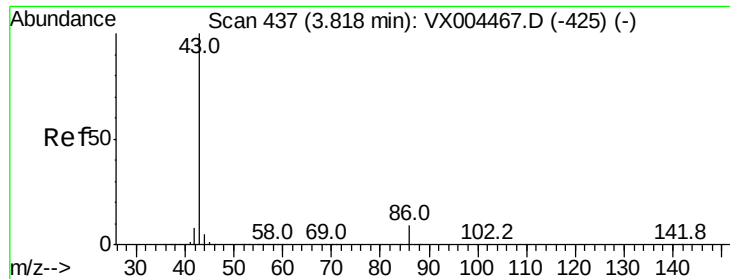
Ion 45.00 (44.70 to 45.70): VX0

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: 105.368 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

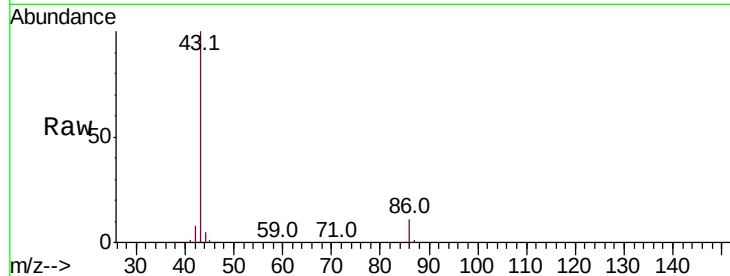
VX0919WBSD01

Tot Ion: 43 Resp: 840814

Ion Ratio Lower Upper

43 100

86 10.8 8.9 13.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

300000

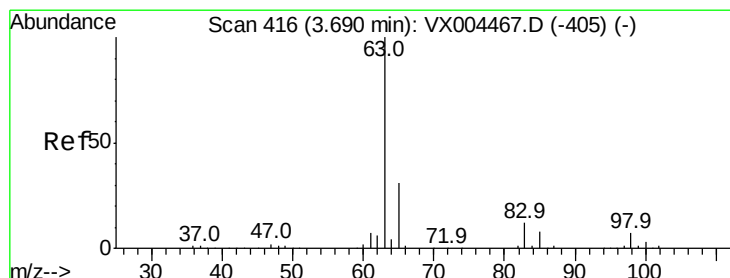
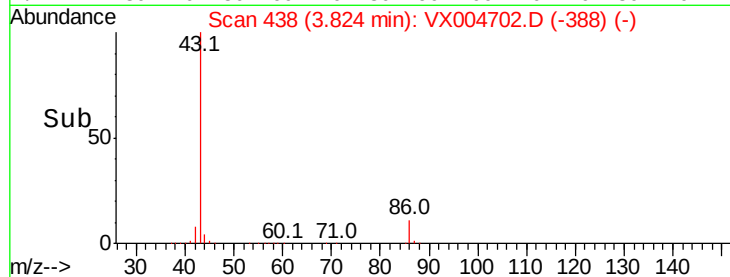
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.160 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

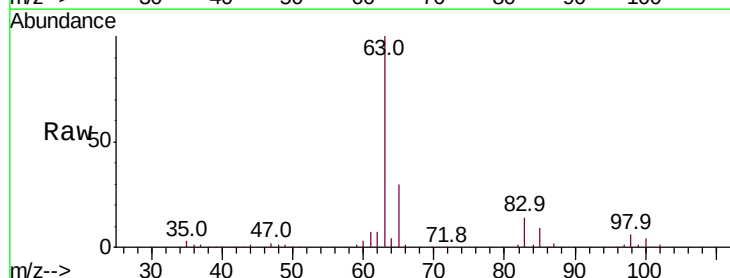
Tgt Ion: 63 Resp: 117803

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 3.8 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

60000

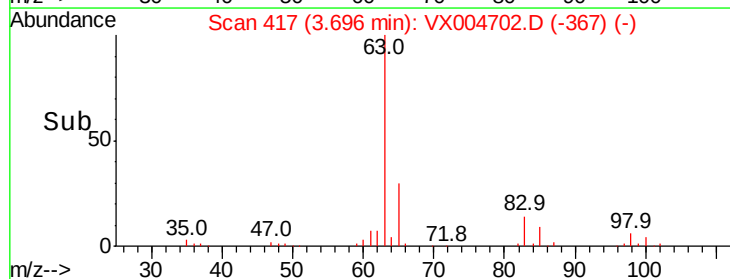
40000

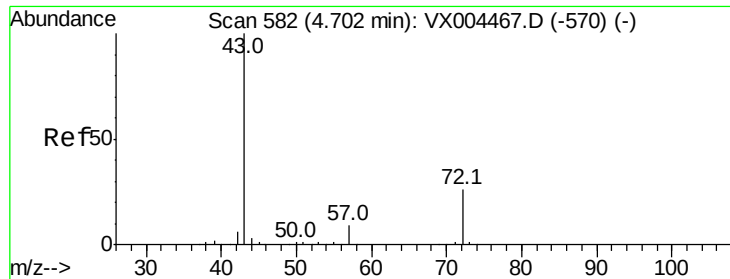
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 93.106 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

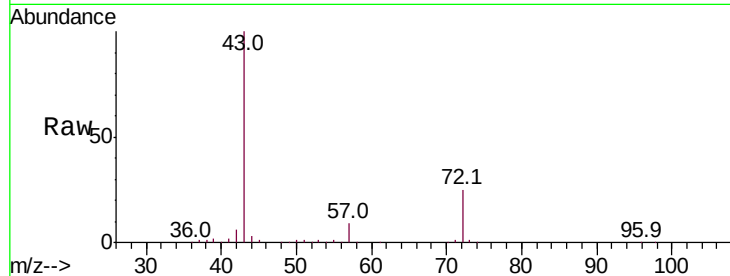
VX0919WBSD01

Tot Ion: 43 Resp: 237675

Ion Ratio Lower Upper

43 100

72 25.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

100000

80000

60000

40000

20000

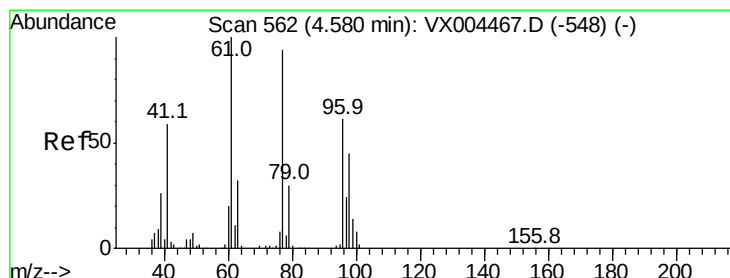
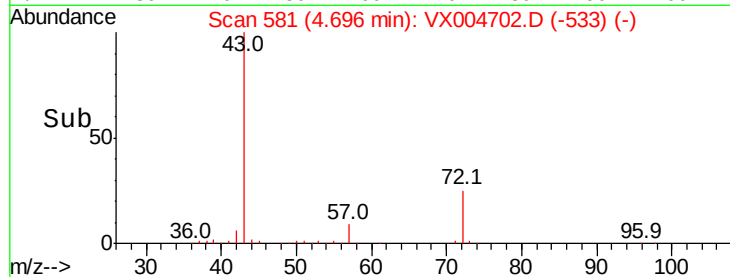
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 22.079 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX004702.D

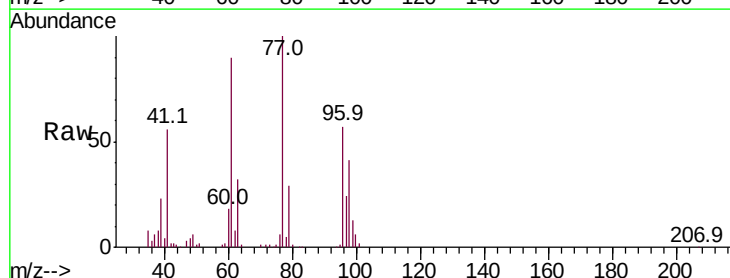
Acq: 19 Sep 2018 13:39

Tgt Ion: 77 Resp: 84426

Ion Ratio Lower Upper

77 100

97 25.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

20000

10000

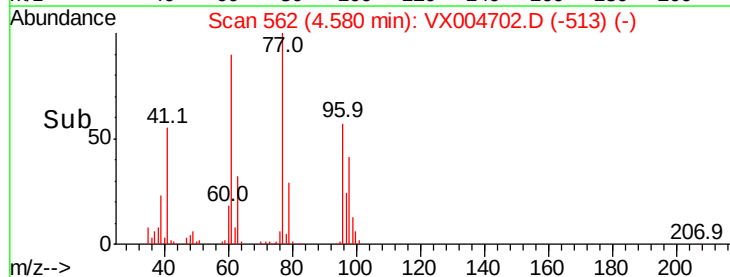
0

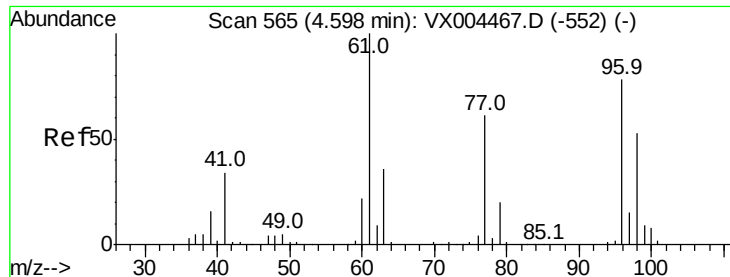
4.50

4.60

4.70

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.292 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

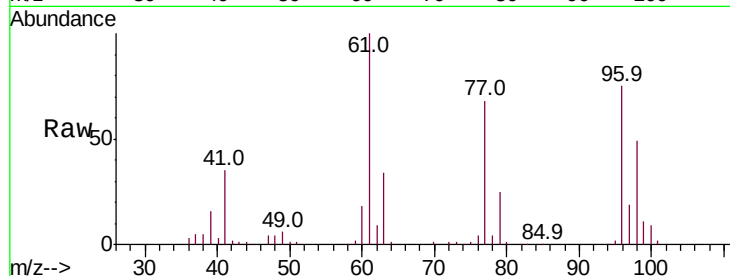
Tot Ion: 96 Resp: 69943

Ion Ratio Lower Upper

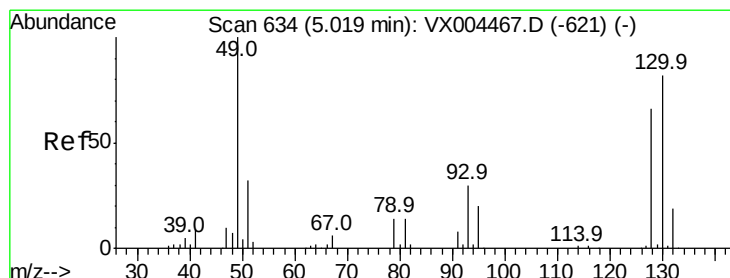
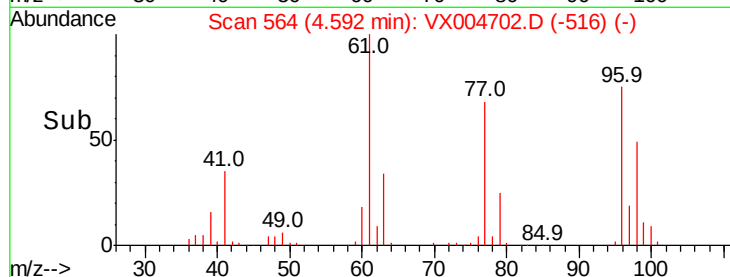
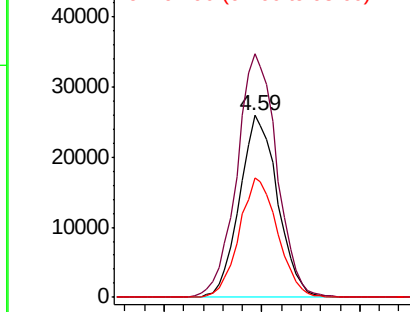
96 100

61 141.1 0.0 282.6

98 66.5 0.0 130.2



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



#28

Bromochloromethane

Concen: 20.608 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

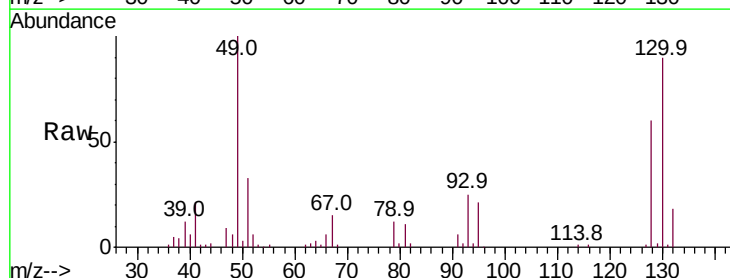
Tgt Ion: 49 Resp: 52480

Ion Ratio Lower Upper

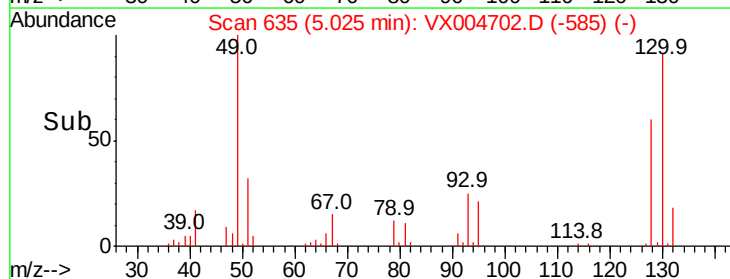
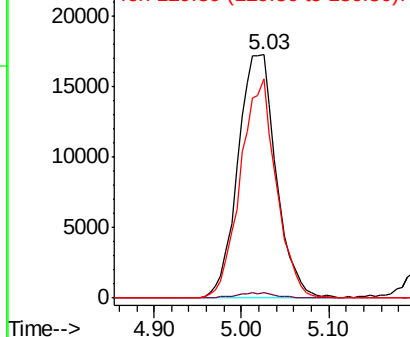
49 100

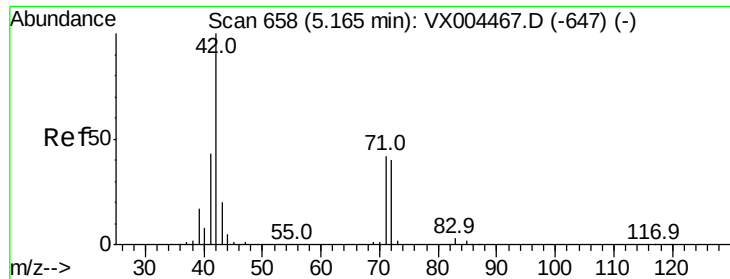
129 2.1 0.0 4.2

130 84.1 67.5 101.3



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





#29

Tetrahydrofuran

Concen: 99.688 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

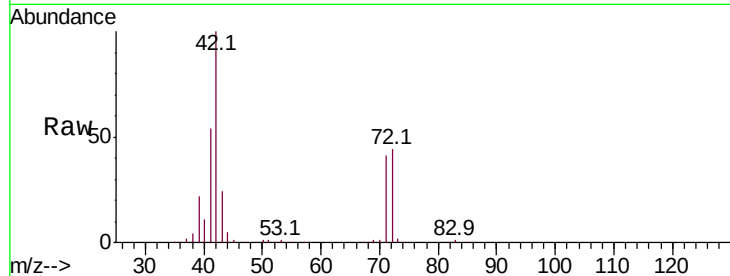
Tot Ion: 42 Resp: 153465

Ion Ratio Lower Upper

42 100

72 46.9 37.4 56.0

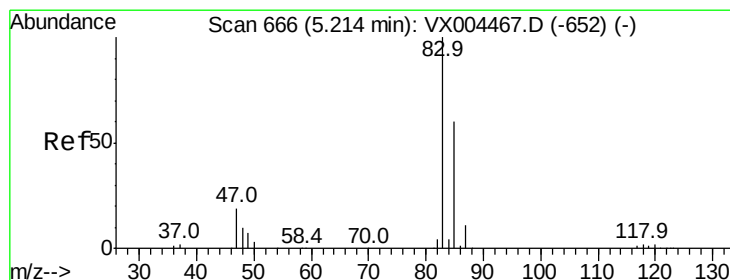
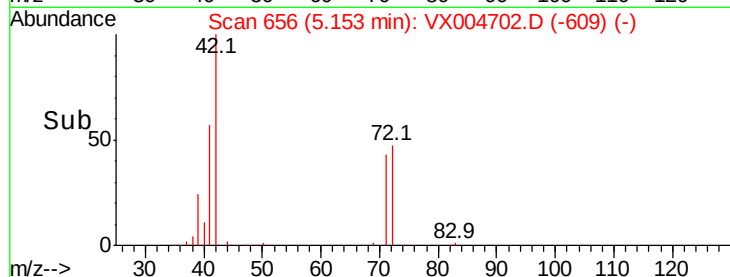
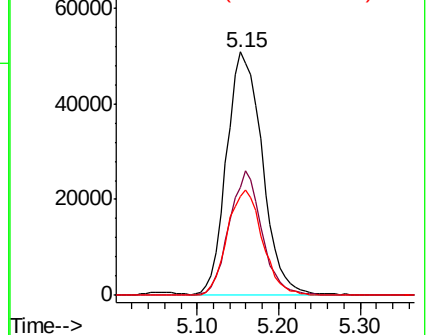
71 43.0 34.5 51.7



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: 21.327 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX004702.D

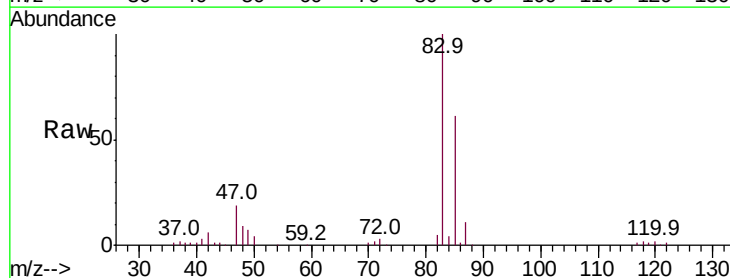
Acq: 19 Sep 2018 13:39

Tgt Ion: 83 Resp: 115916

Ion Ratio Lower Upper

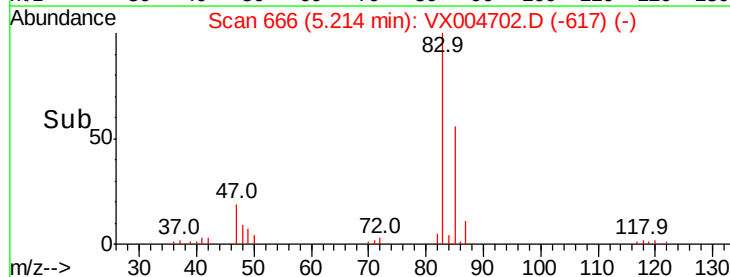
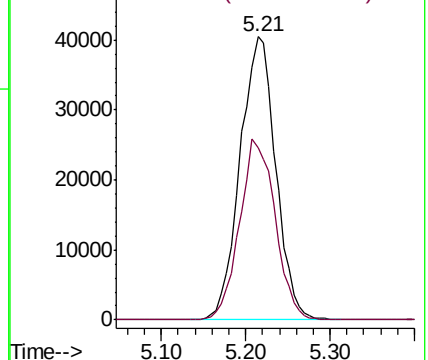
83 100

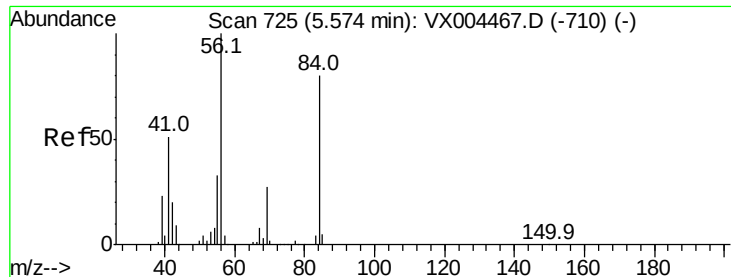
85 60.7 52.6 79.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 21.078 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

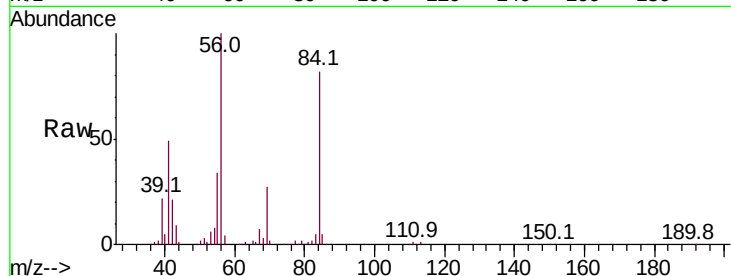
Tot Ion: 56 Resp: 100201

Ion Ratio Lower Upper

56 100

69 26.8 25.4 38.2

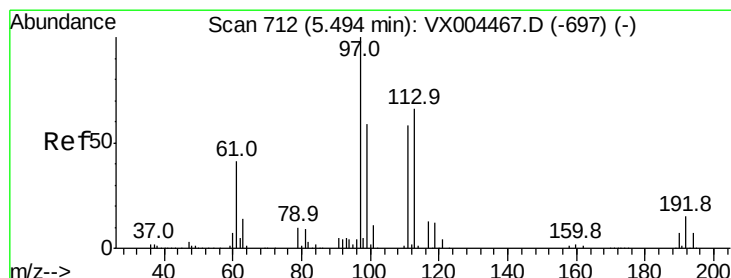
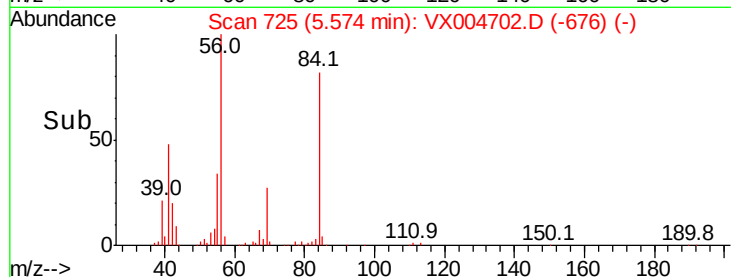
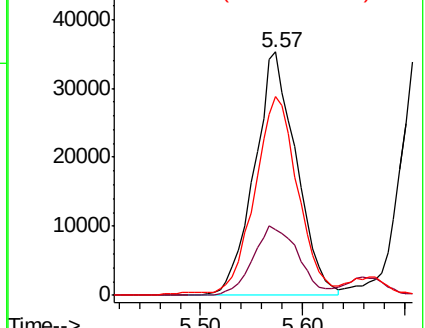
84 80.4 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 21.398 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

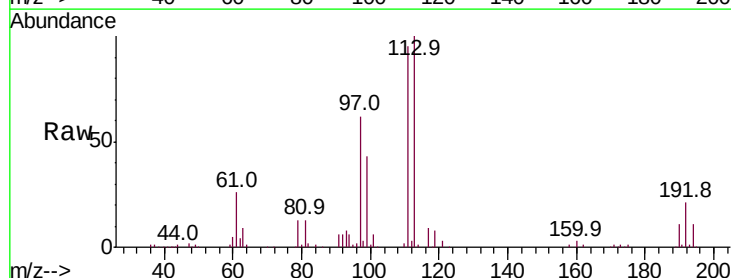
Tgt Ion: 97 Resp: 93670

Ion Ratio Lower Upper

97 100

99 65.8 52.0 78.0

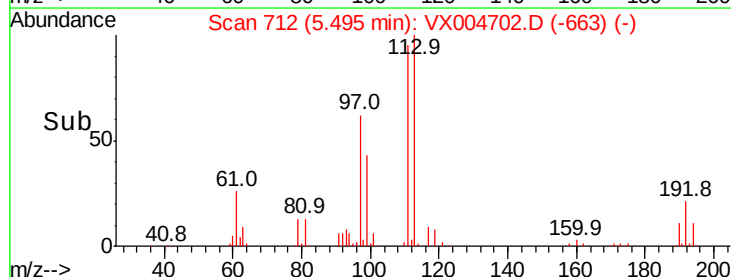
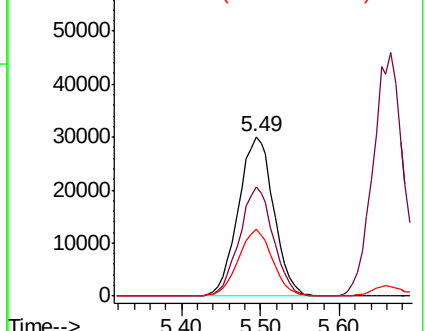
61 40.5 34.9 52.3

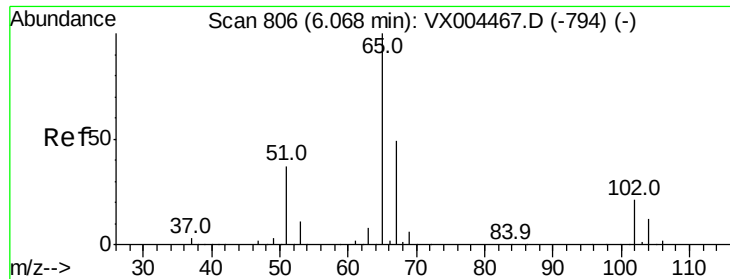


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

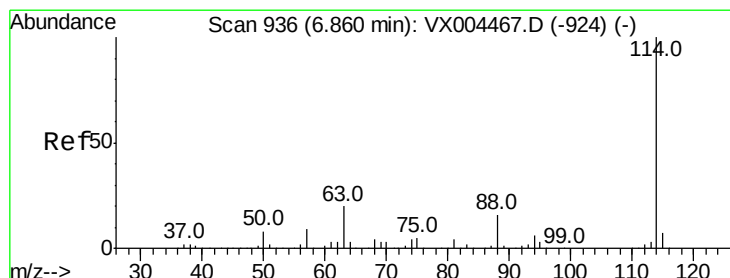
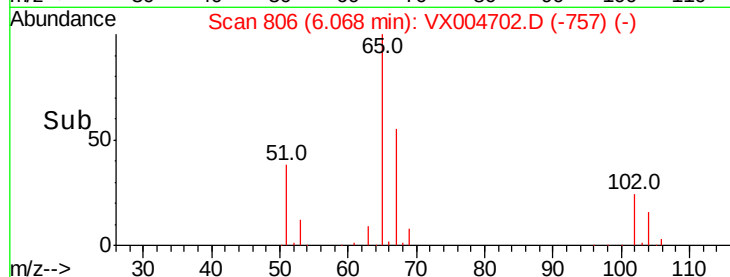
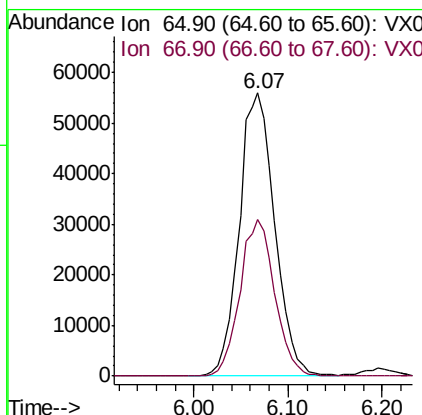
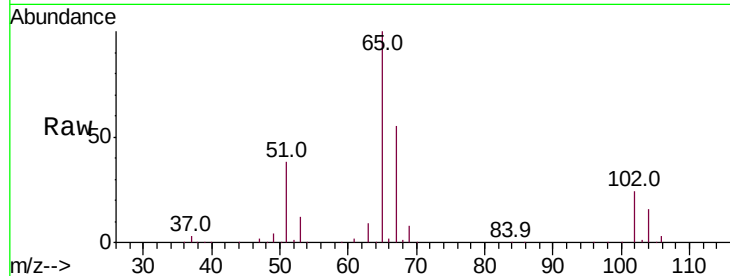




#33
 1,2-Dichloroethane-d4
 Concen: 44.811 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

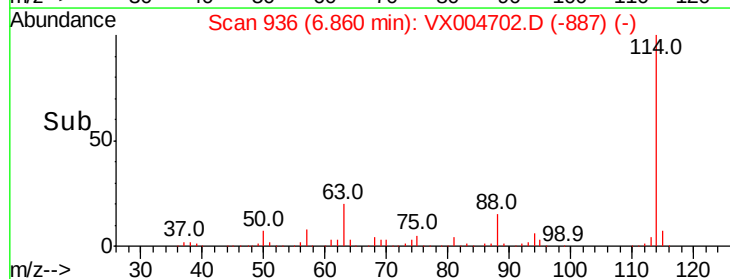
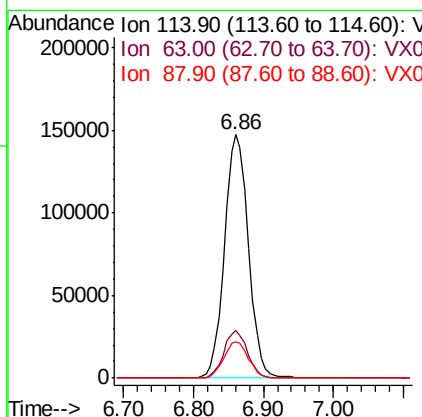
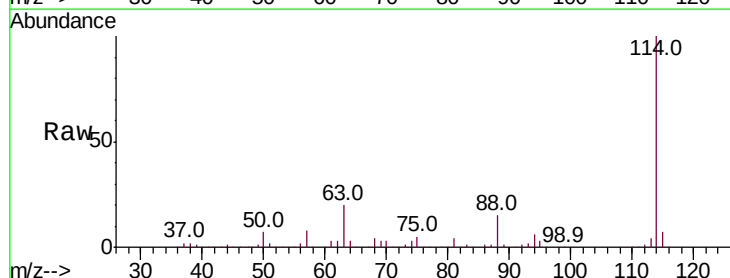
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

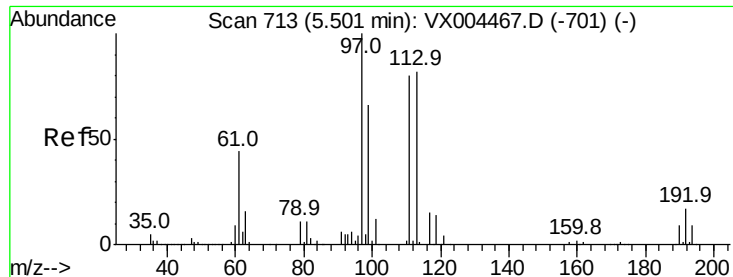
Tot Ion: 65 Resp: 147261
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion:114 Resp: 348345
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.0 0.0 30.4

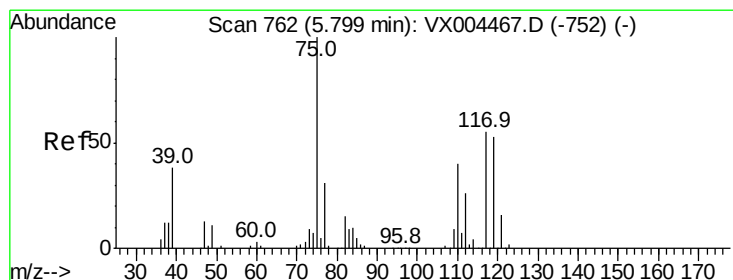
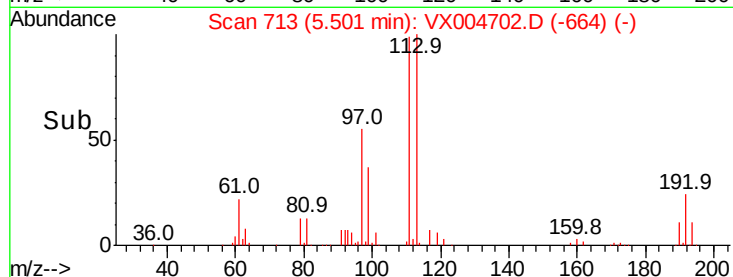
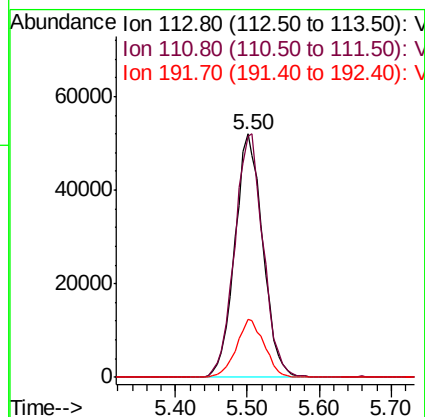
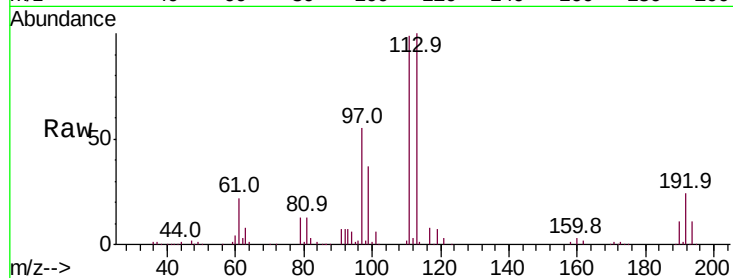




#35
 Dibromofluoromethane
 Concen: 44.109 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

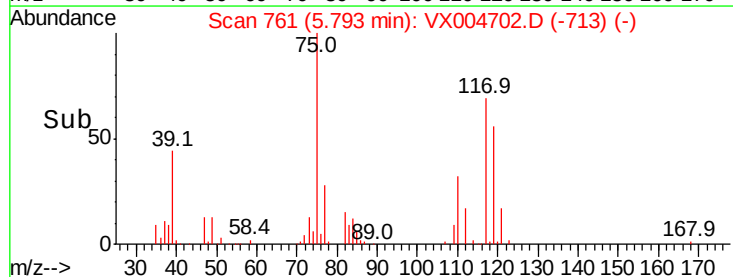
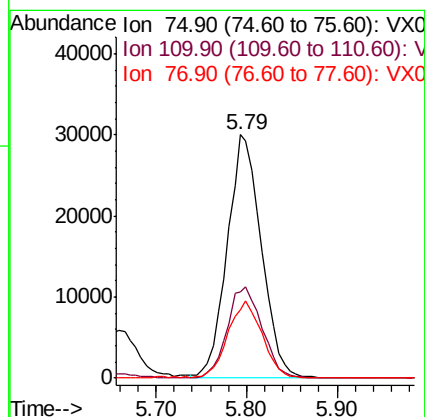
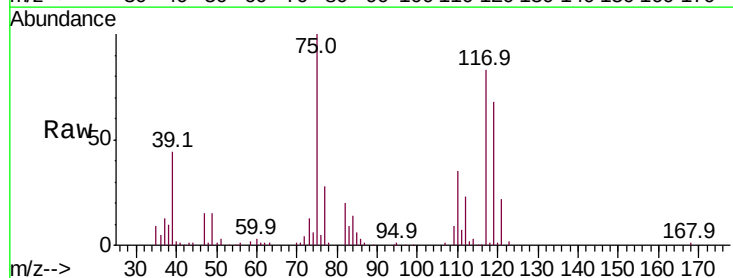
Instrument :
 MSVOA_X
 ClientSampled :
 VX0919WBSD01

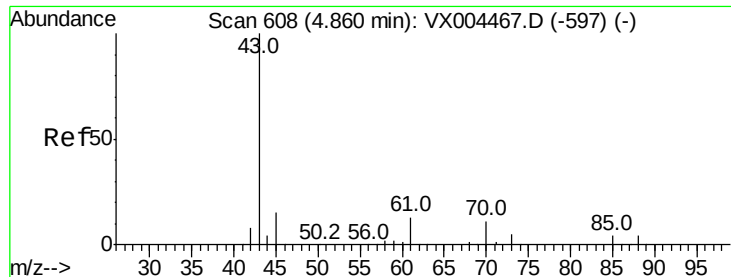
Tot Ion:113 Resp: 140604
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.4 123.6
 192 23.8 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 18.571 ug/l
 RT: 5.79 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion: 75 Resp: 78537
 Ion Ratio Lower Upper
 75 100
 110 38.3 18.0 54.0
 77 32.0 24.6 36.8





#37

Ethyl Acetate

Concen: 18.771 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampled :

VX0919WBSD01

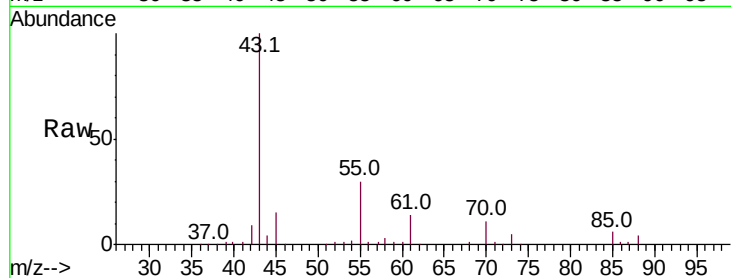
Tot Ion: 43 Resp: 90289

Ion Ratio Lower Upper

43 100

61 15.3 11.5 17.3

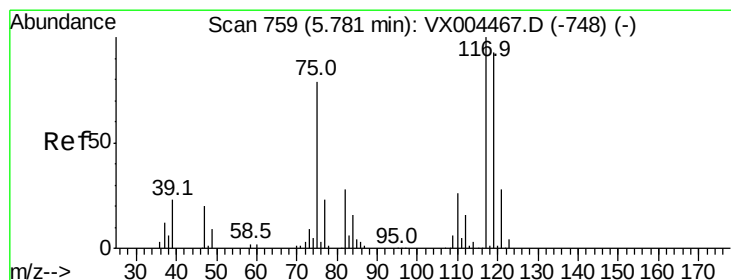
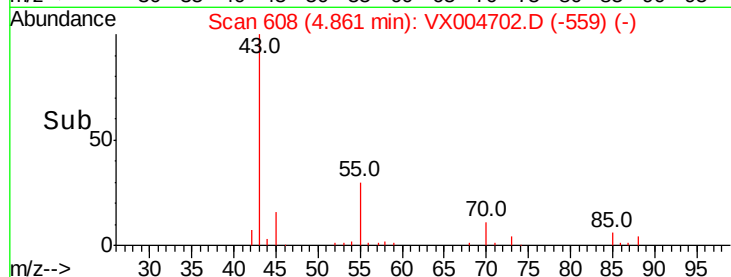
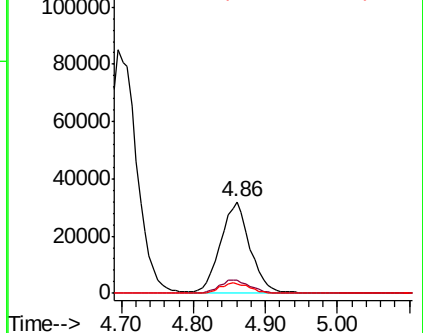
70 11.5 9.0 13.6



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: 18.934 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

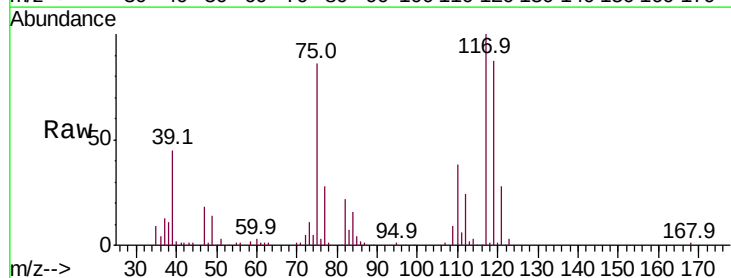
Tgt Ion: 117 Resp: 78211

Ion Ratio Lower Upper

117 100

119 87.5 78.8 118.2

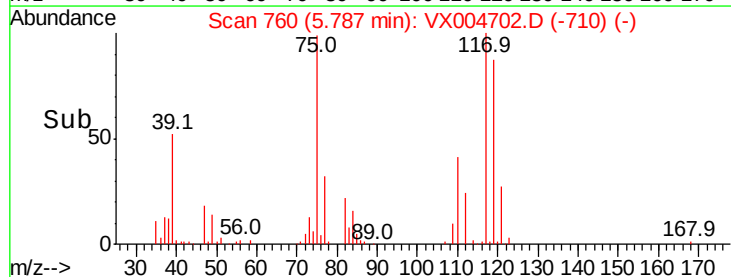
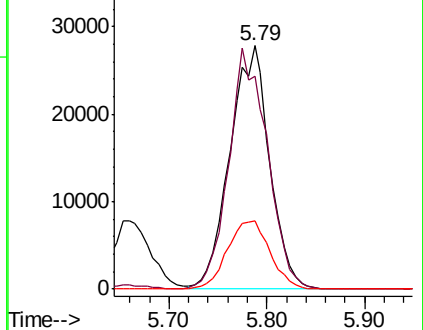
121 28.0 24.9 37.3

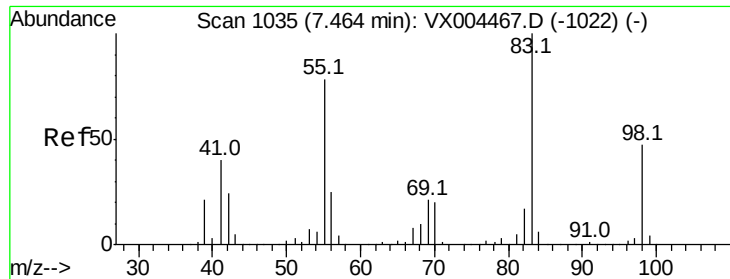


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

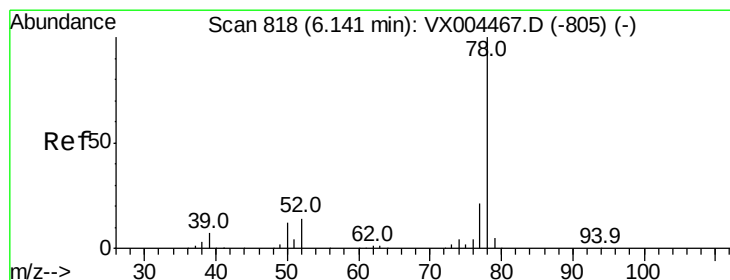
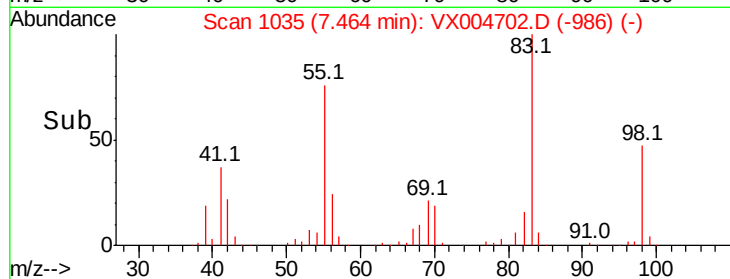
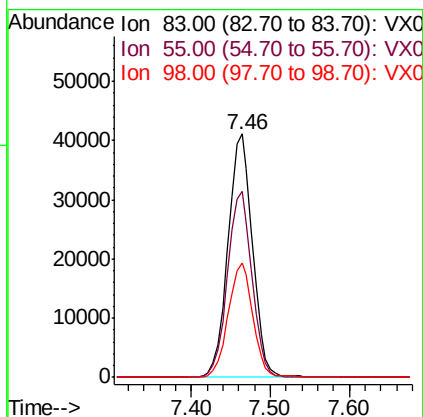
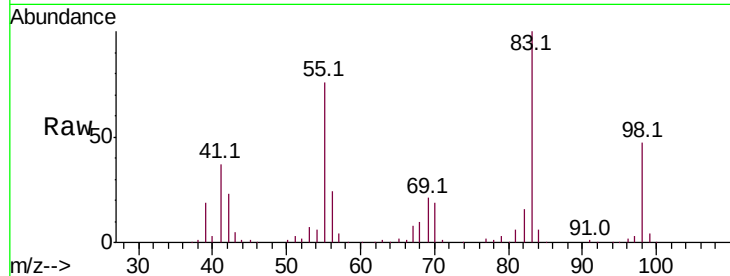




#39
Methylvlcyclohexane
Concen: 20.129 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

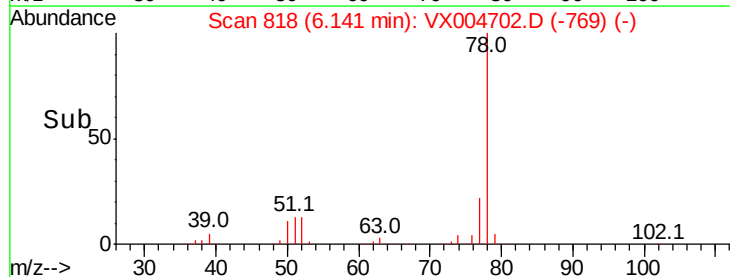
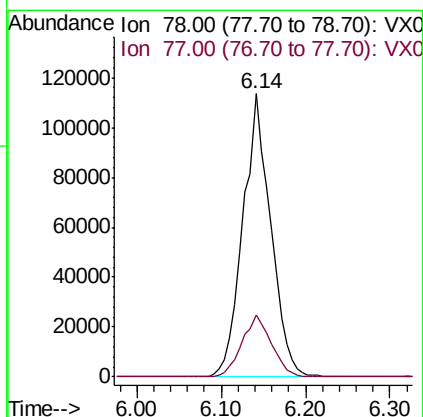
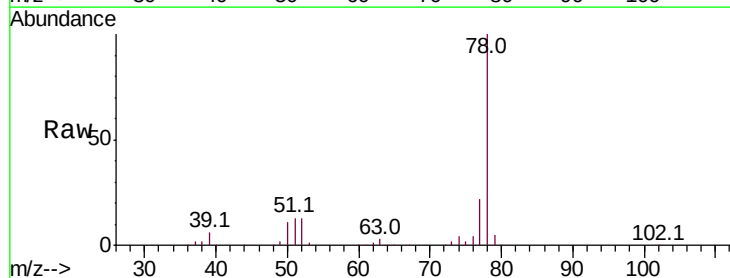
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

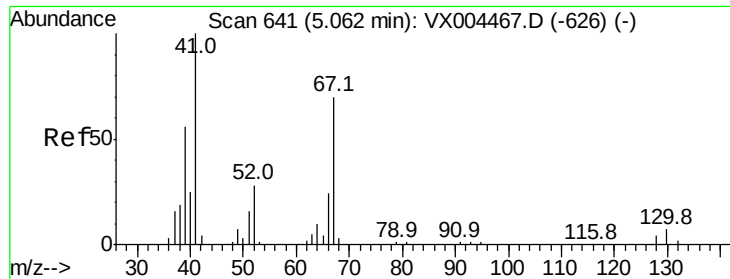
Tot Ion: 83 Resp: 88835
Ion Ratio Lower Upper
83 100
55 76.2 61.0 91.4
98 46.8 39.6 59.4



#40
Benzene
Concen: 20.186 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 78 Resp: 253296
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.4

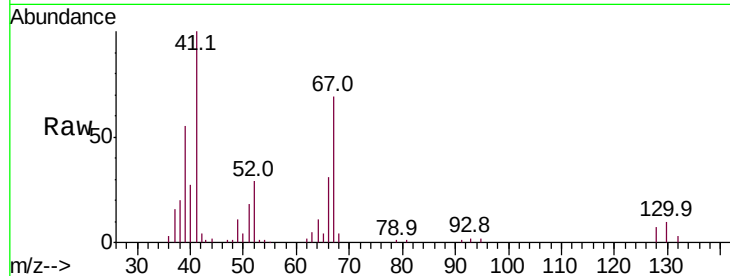




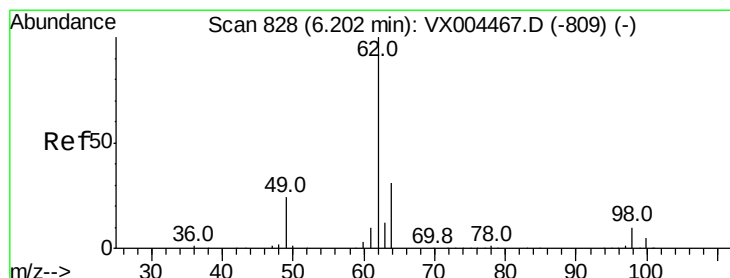
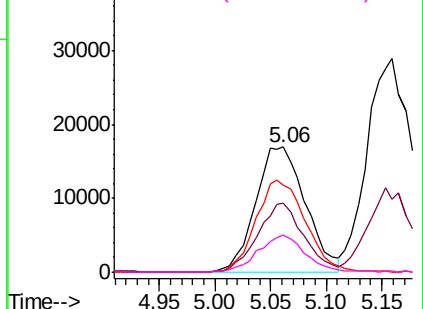
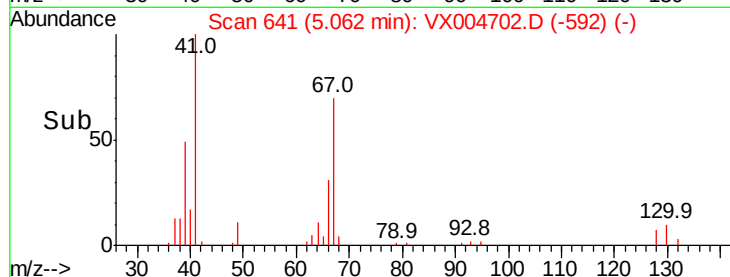
#41
Methacrylonitrile
Concen: 20.004 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion:	41	Resp:	53013
Ion	Ratio	Lower	Upper
41	100		
39	50.6	42.4	63.6
67	73.1	59.2	88.8
52	28.0	23.0	34.4

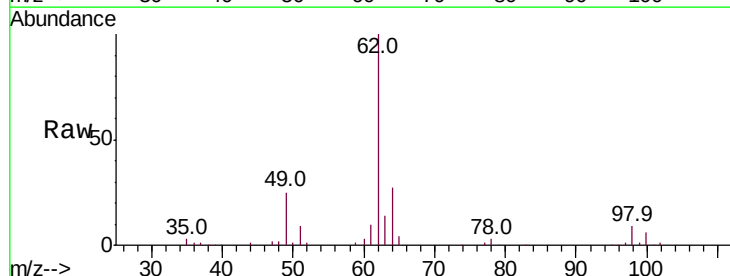


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

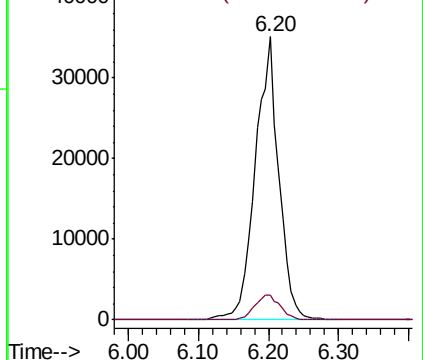
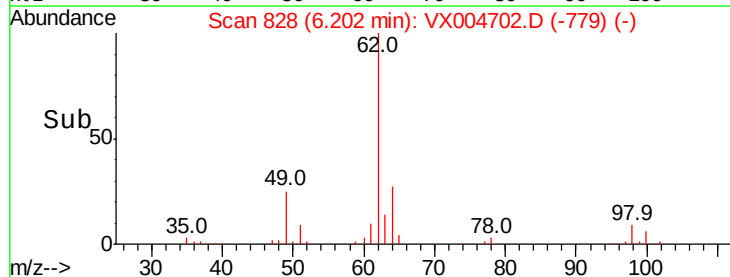


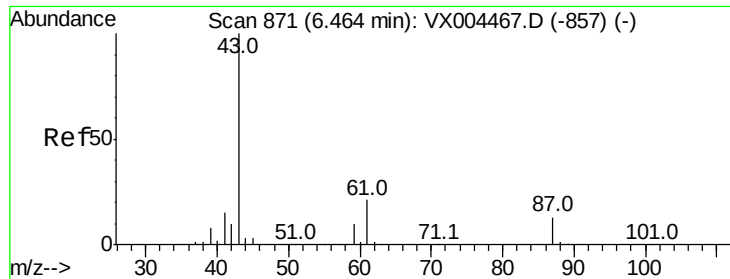
#42
1,2-Dichloroethane
Concen: 19.706 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion:	62	Resp:	82011
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 20.371 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

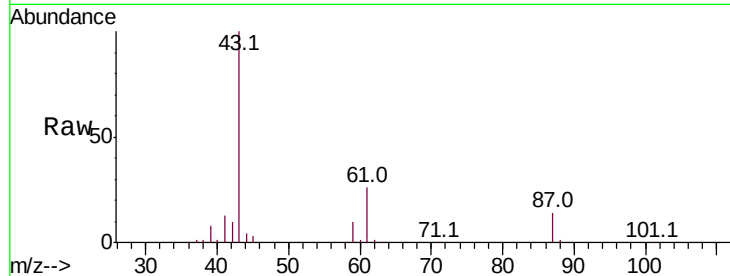
Tot Ion: 43 Resp: 130141

Ion Ratio Lower Upper

43 100

61 22.2 17.0 25.4

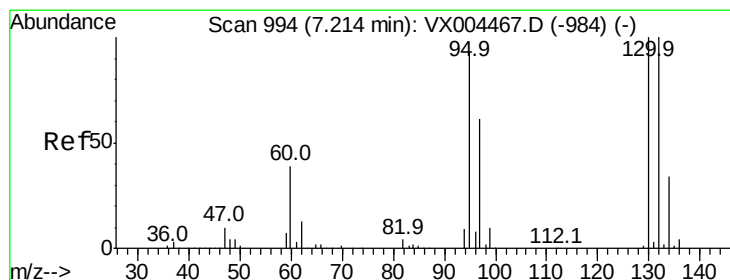
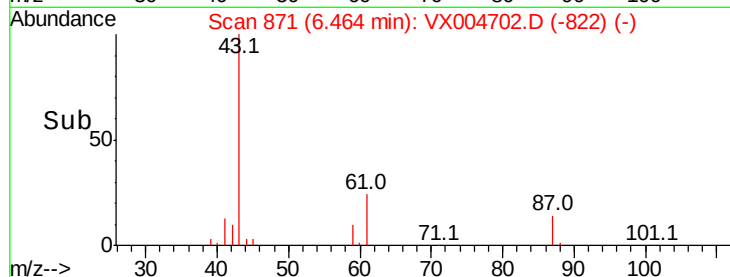
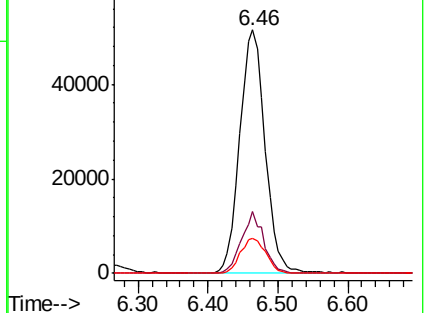
87 14.6 11.4 17.2



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: 22.144 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX004702.D

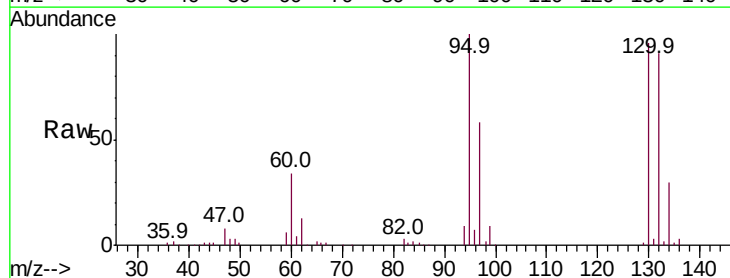
Acq: 19 Sep 2018 13:39

Tgt Ion:130 Resp: 72187

Ion Ratio Lower Upper

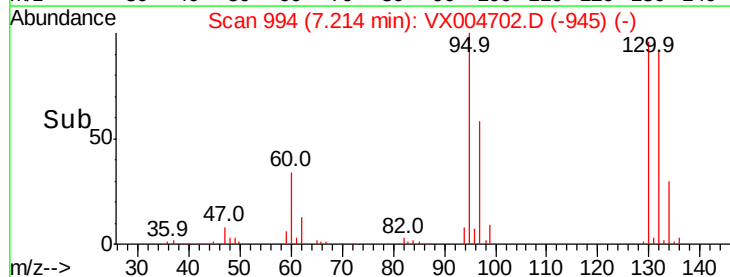
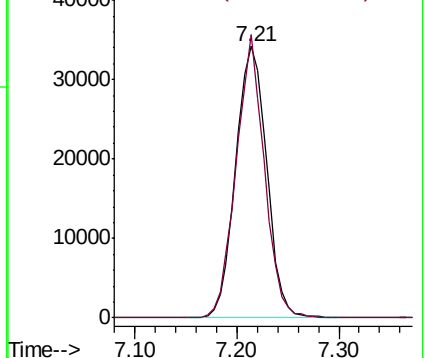
130 100

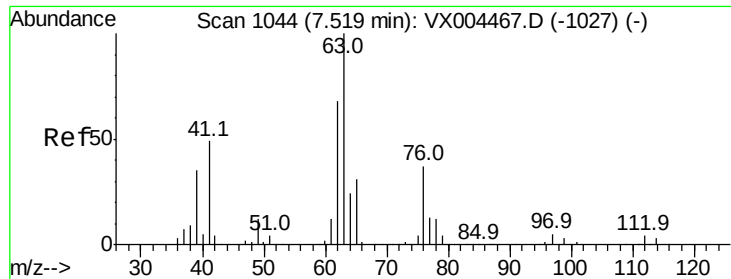
95 104.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 21.379 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

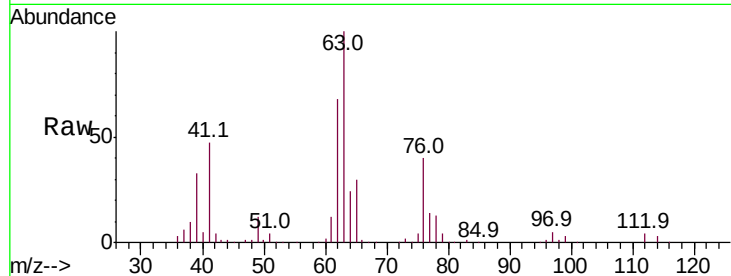
VX0919WBSD01

Tot Ion: 63 Resp: 64549

Ion Ratio Lower Upper

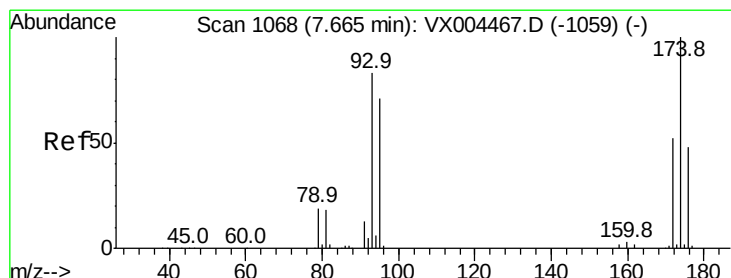
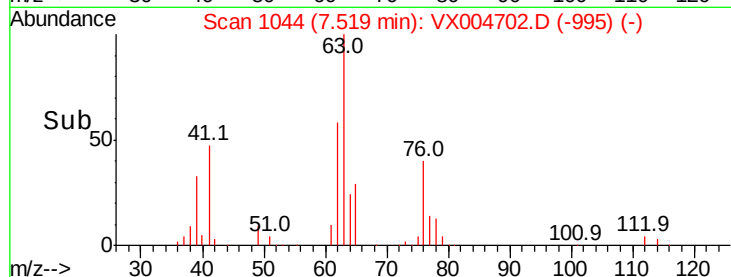
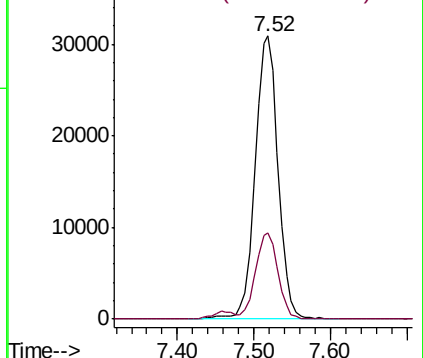
63 100

65 30.3 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 20.844 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

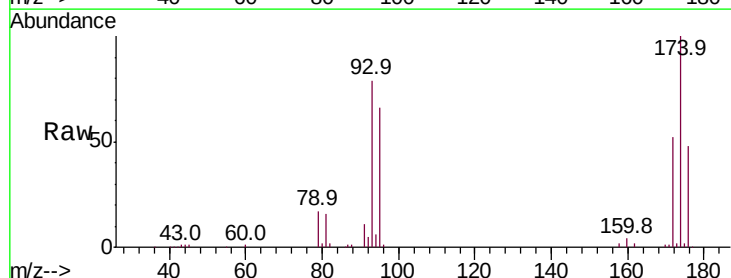
Tgt Ion: 93 Resp: 39760

Ion Ratio Lower Upper

93 100

95 82.3 65.5 98.3

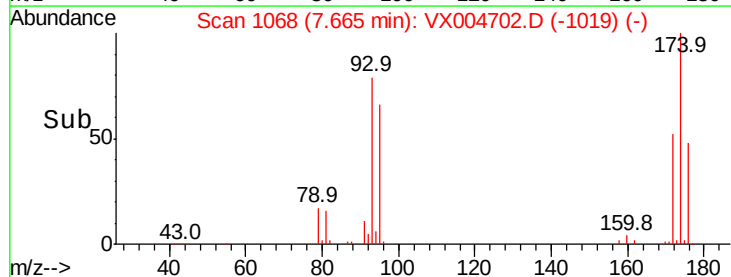
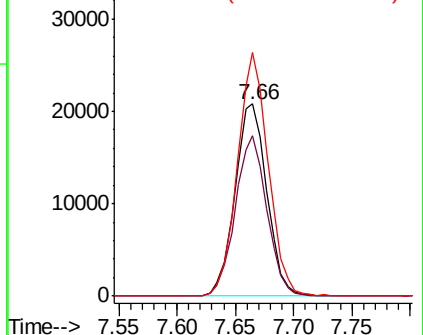
174 122.0 94.2 141.4

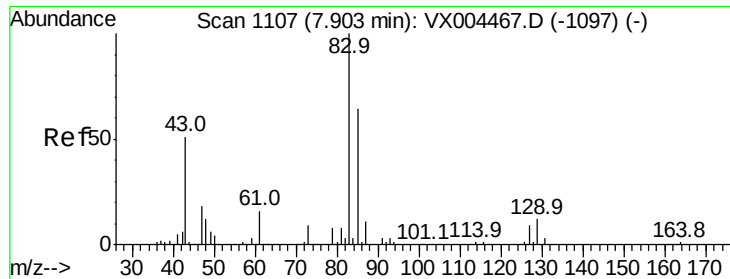


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.188 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

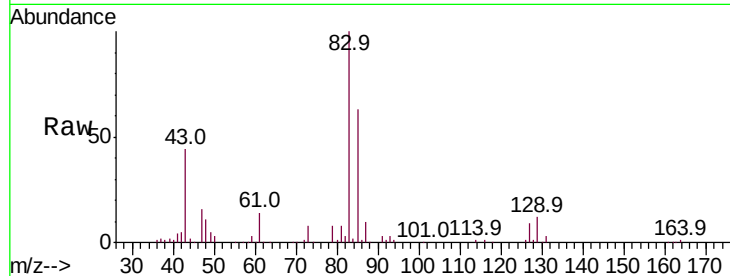
Tot Ion: 83 Resp: 72821

Ion Ratio Lower Upper

83 100

85 62.7 50.9 76.3

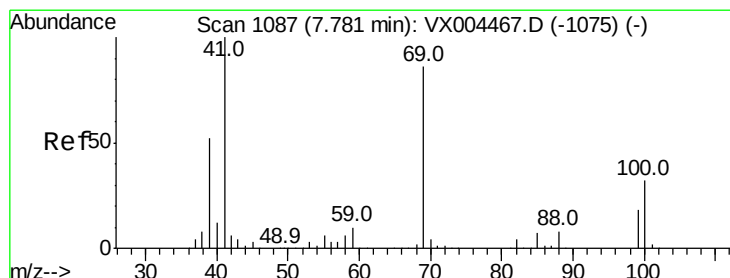
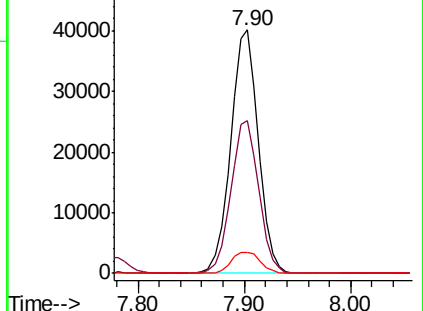
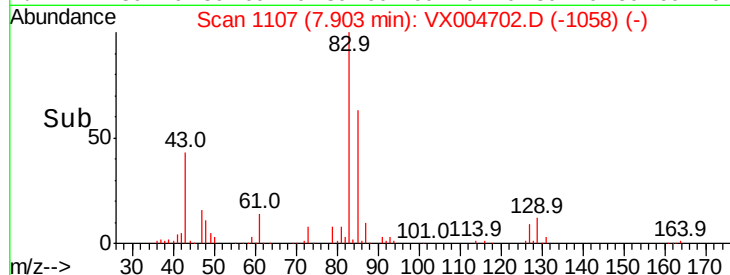
127 8.8 7.3 10.9



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: 20.484 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

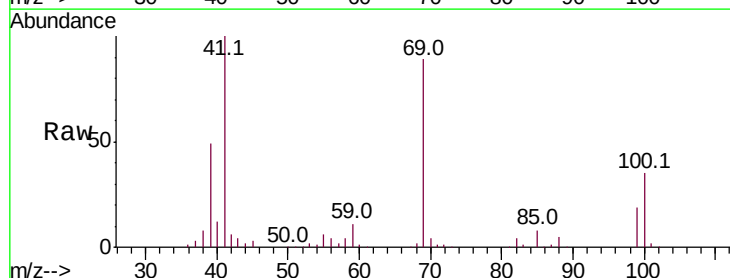
Tgt Ion: 41 Resp: 64762

Ion Ratio Lower Upper

41 100

69 88.6 70.2 105.4

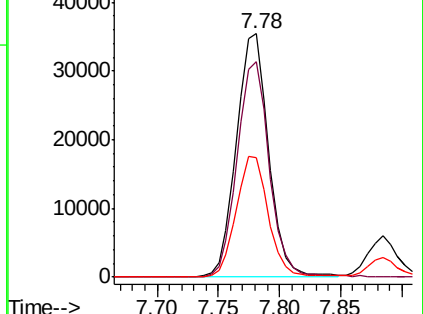
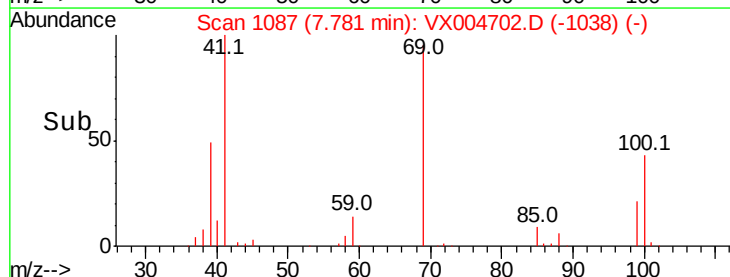
39 49.6 42.7 64.1

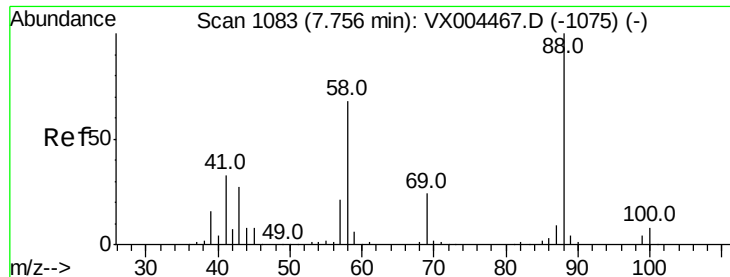


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

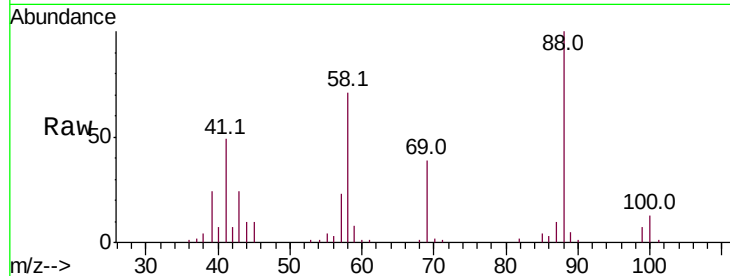




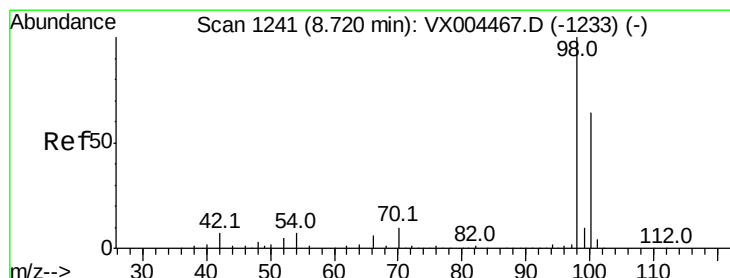
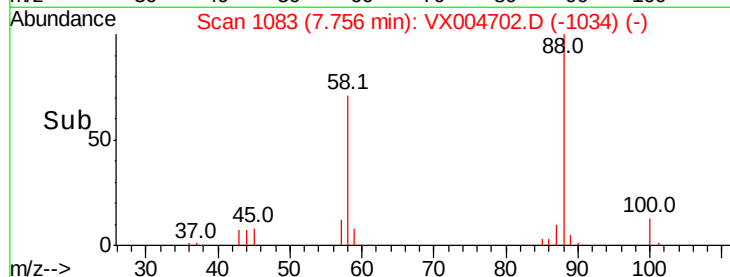
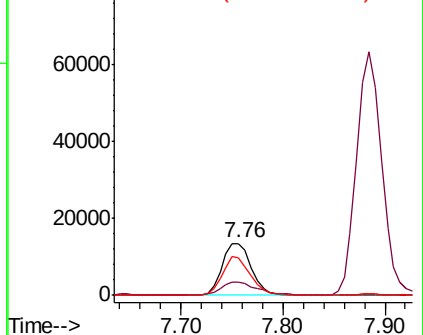
#49
1,4-Dioxane
Concen: 360.093 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

Tot Ion: 88 Resp: 26946
Ion Ratio Lower Upper
88 100
43 28.2 24.7 37.1
58 71.7 55.3 82.9

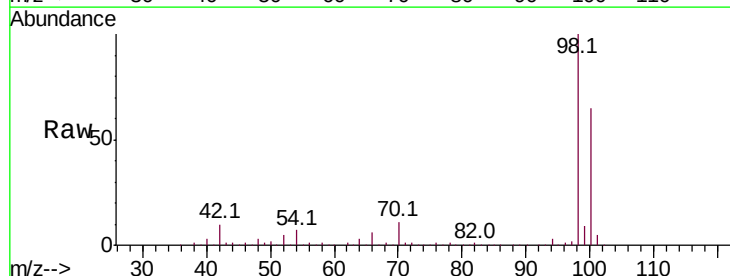


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

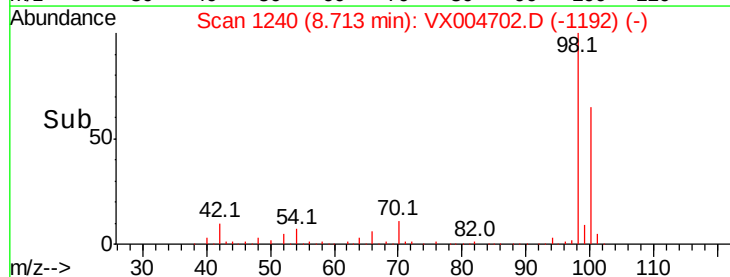
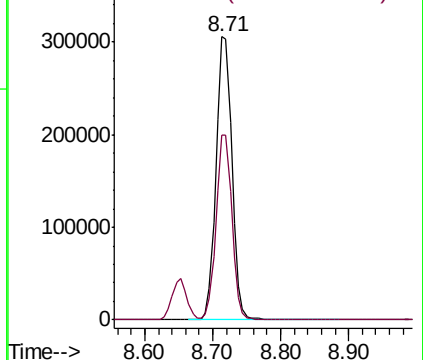


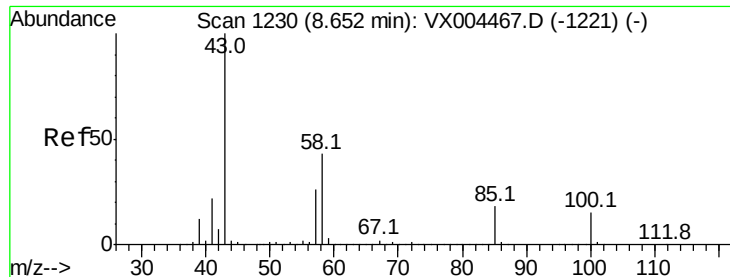
#50
Toluene-d8
Concen: 46.310 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 98 Resp: 495053
Ion Ratio Lower Upper
98 100
100 64.8 52.9 79.3



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





#51

4-Methyl-2-Pentanone

Concen: 92.205 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

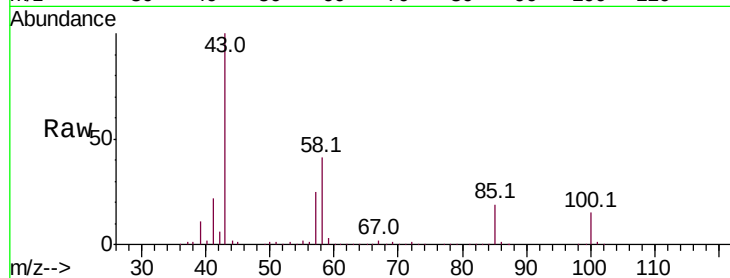
VX0919WBSD01

Tot Ion: 43 Resp: 415699

Ion Ratio Lower Upper

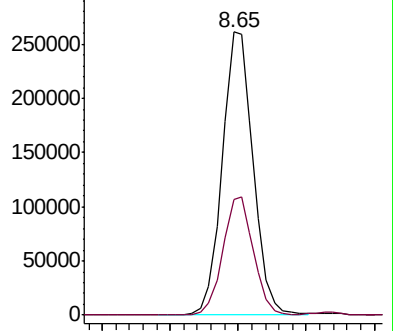
43 100

58 41.2 33.1 49.7

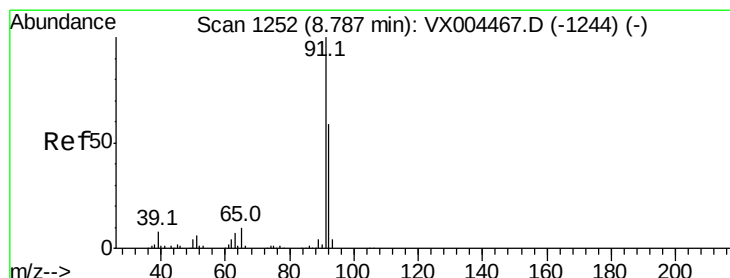
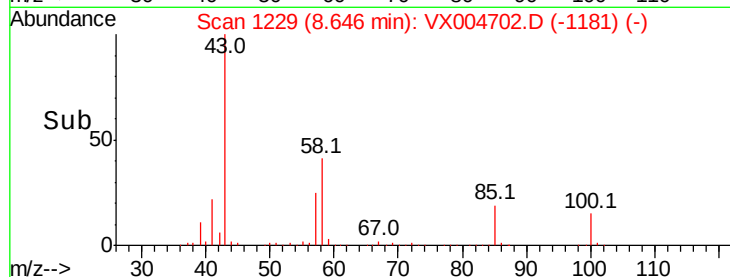


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#52

Toluene

Concen: 20.442 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX004702.D

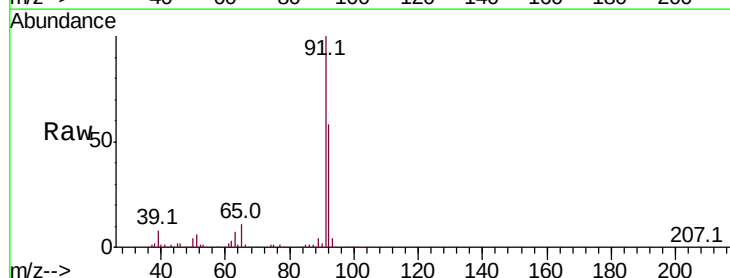
Acq: 19 Sep 2018 13:39

Tgt Ion: 92 Resp: 151126

Ion Ratio Lower Upper

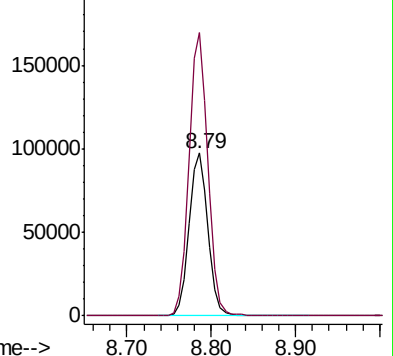
92 100

91 173.9 136.4 204.6

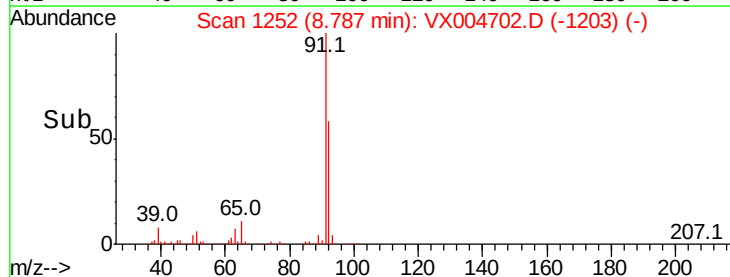


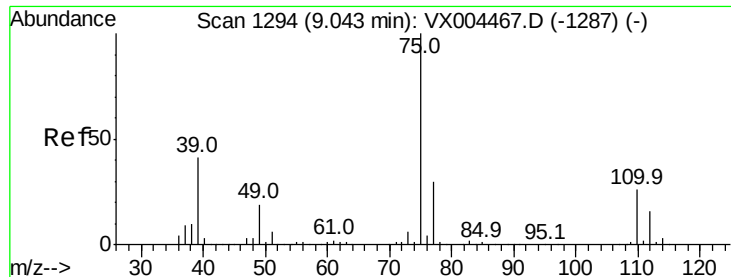
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->

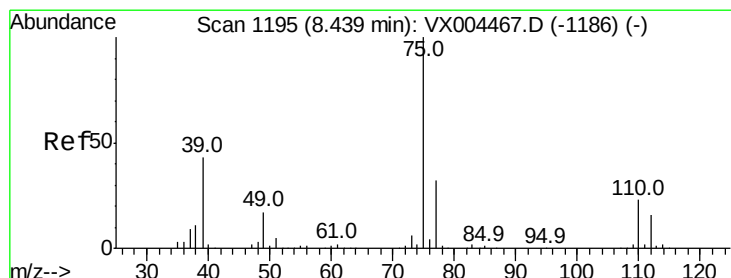
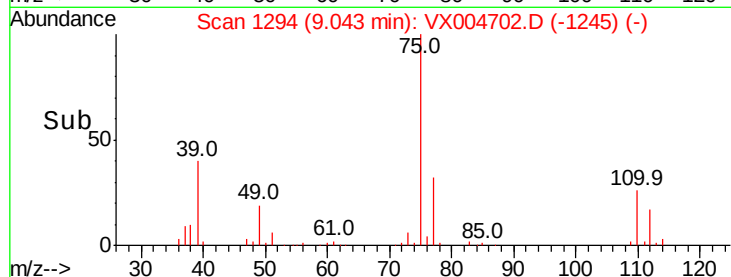
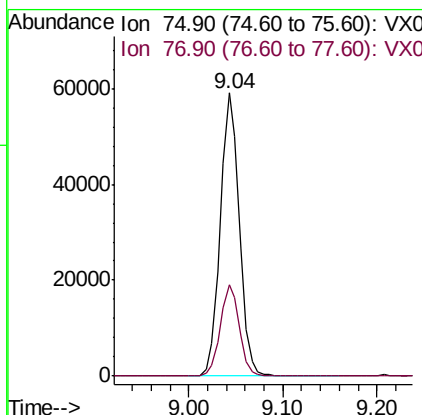
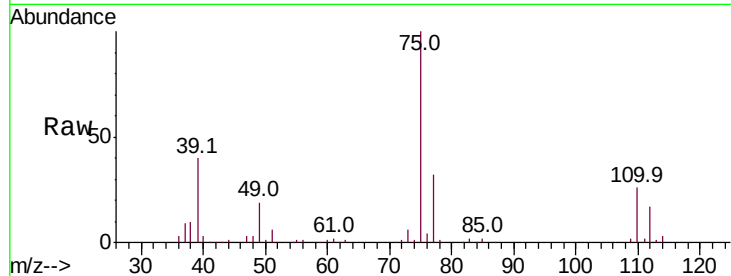




#53
 t-1,3-Dichloropropene
 Concen: 19.578 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

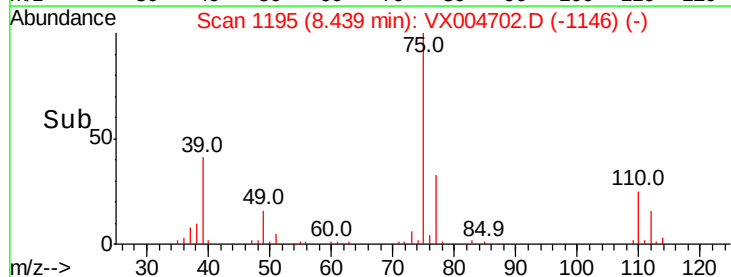
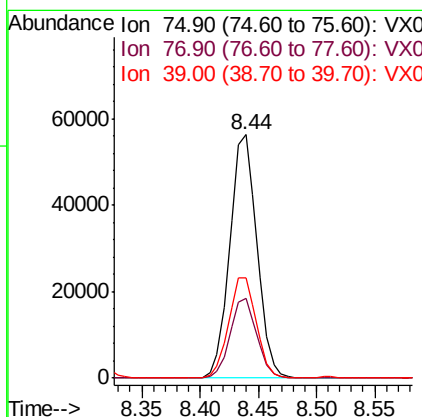
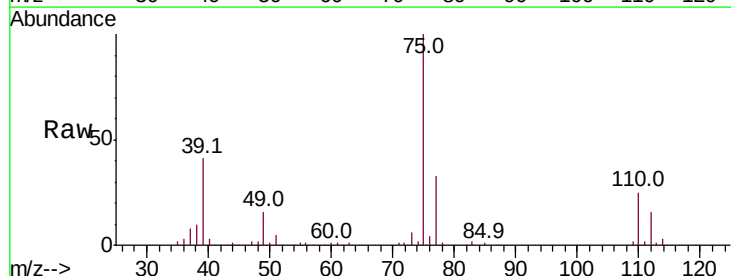
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

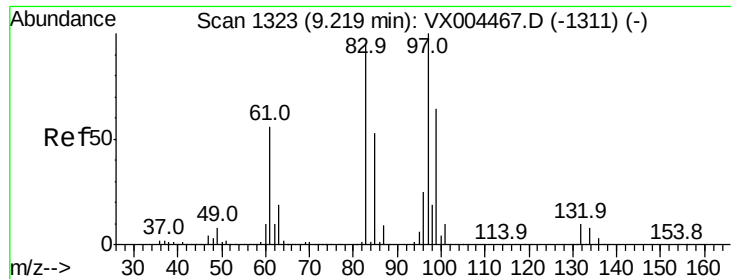
Tot Ion: 75 Resp: 82496
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.6 37.0



#54
 cis-1,3-Dichloropropene
 Concen: 21.330 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion: 75 Resp: 91622
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.2 39.2
 39 41.2 36.4 54.6

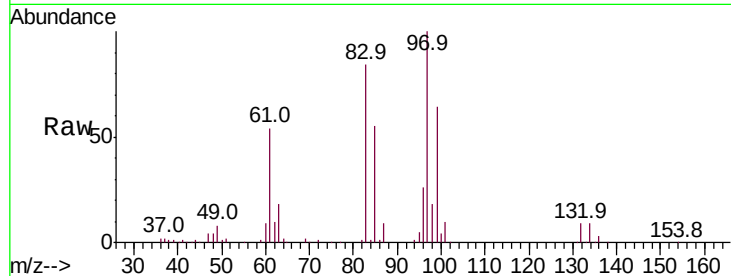




#55
 1,1,2-Trichloroethane
 Concen: 19.501 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion:	97	Resp:	62077
Ion	Ratio	Lower	Upper
97	100		
83	84.1	66.4	99.6
85	54.9	43.3	64.9
99	63.8	49.0	73.4



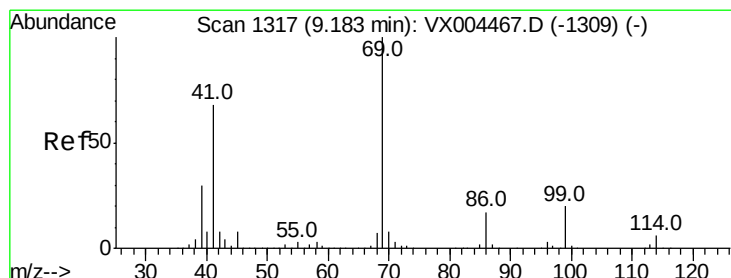
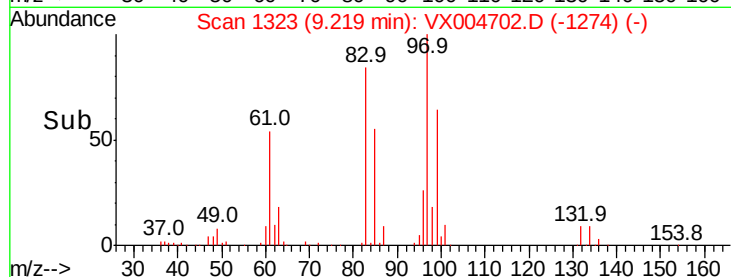
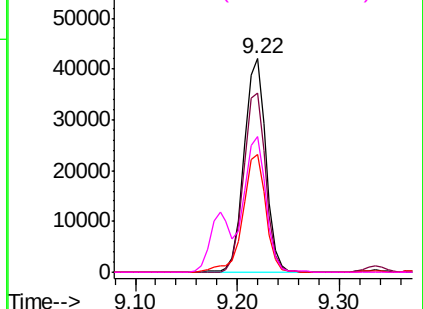
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

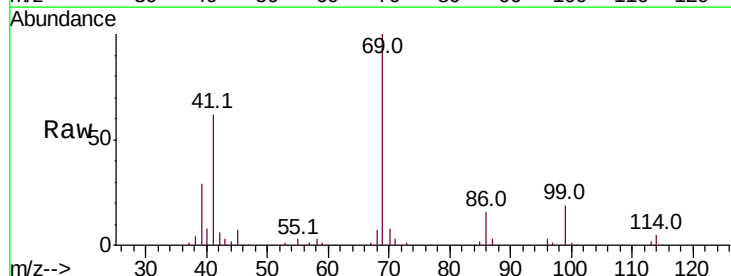
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 20.076 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion:	69	Resp:	90409
Ion	Ratio	Lower	Upper
69	100		
41	63.1	51.0	76.4
39	29.6	26.1	39.1

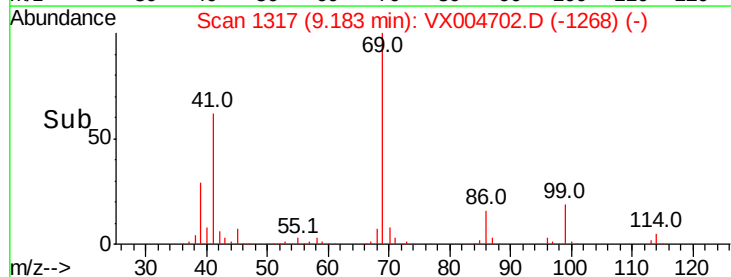
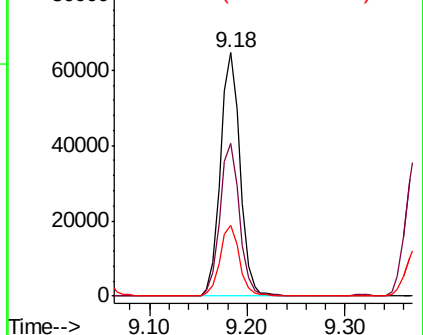


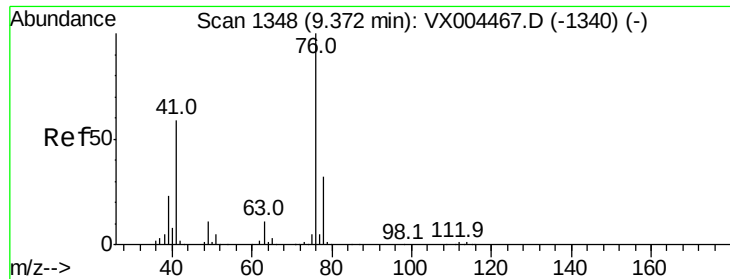
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.652 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

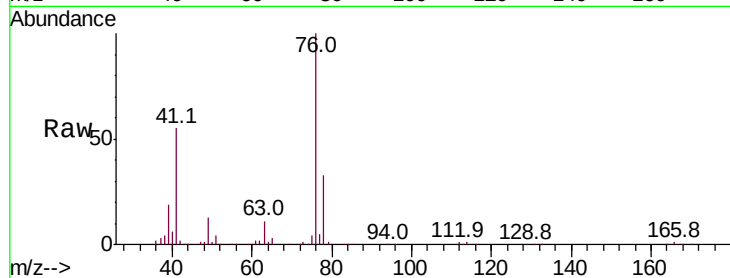
VX0919WBSD01

Tot Ion: 76 Resp: 101643

Ion Ratio Lower Upper

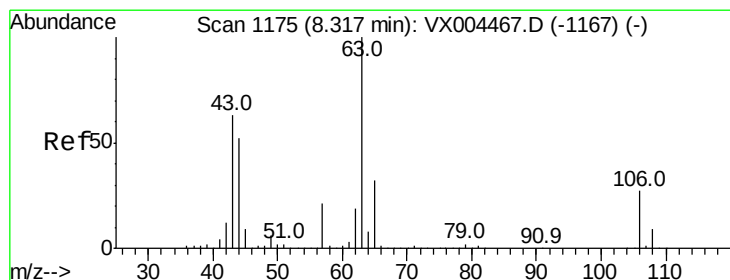
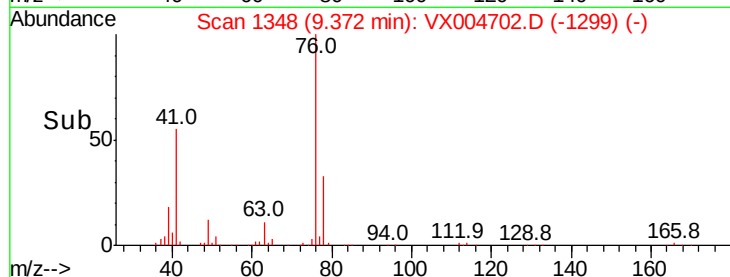
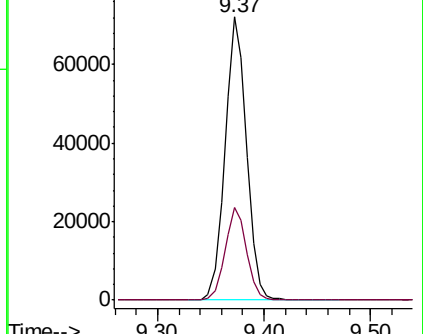
76 100

78 32.6 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.215 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX004702.D

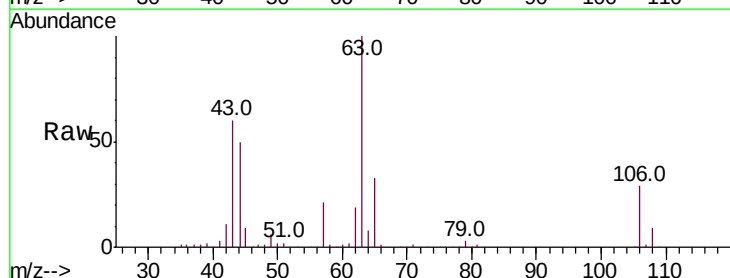
Acq: 19 Sep 2018 13:39

Tgt Ion: 63 Resp: 214909

Ion Ratio Lower Upper

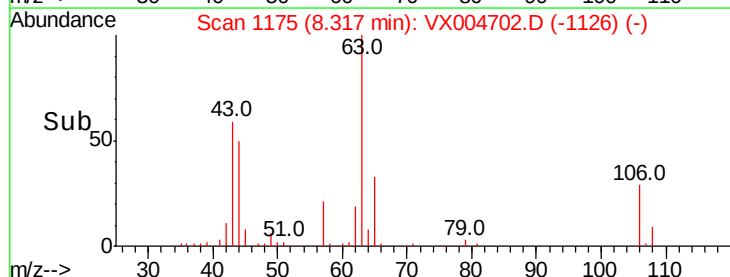
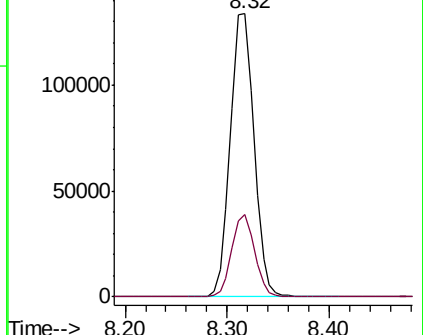
63 100

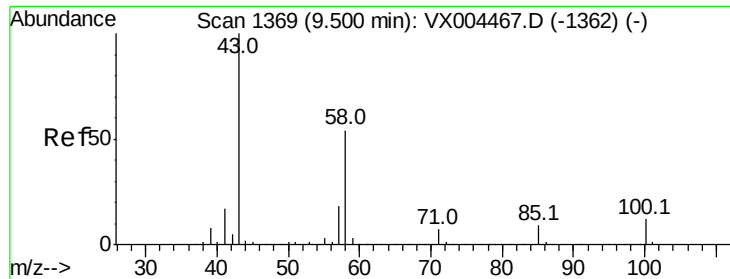
106 28.1 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

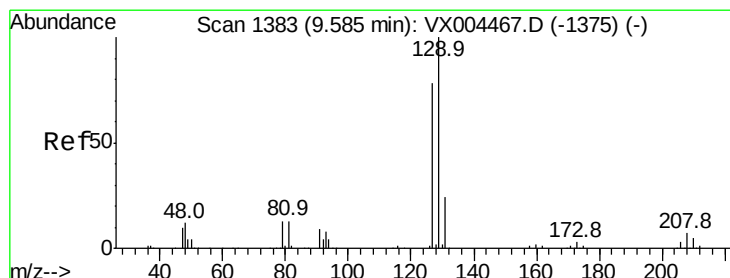
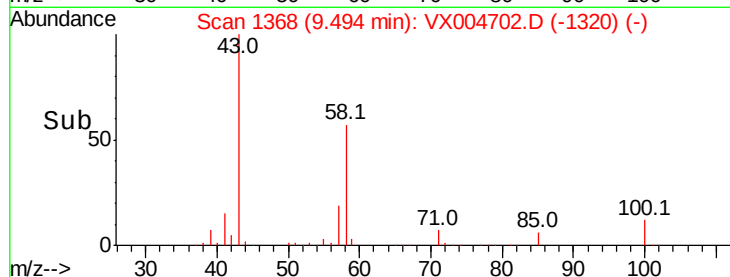
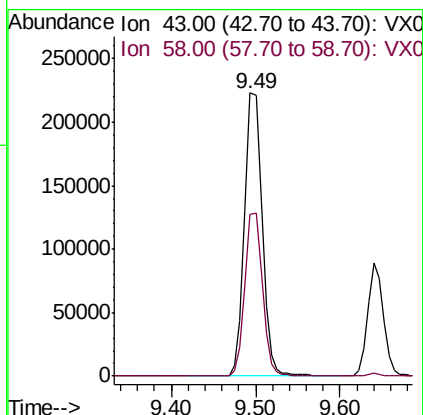
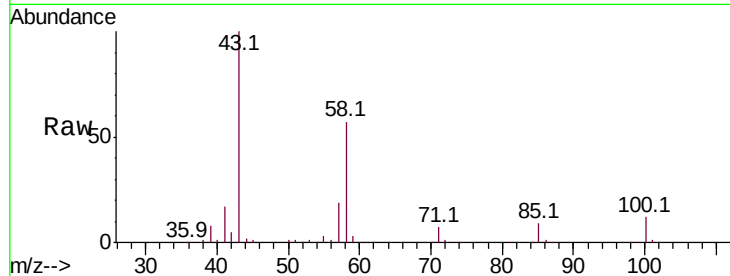




#59
2-Hexanone
Concen: 90.343 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

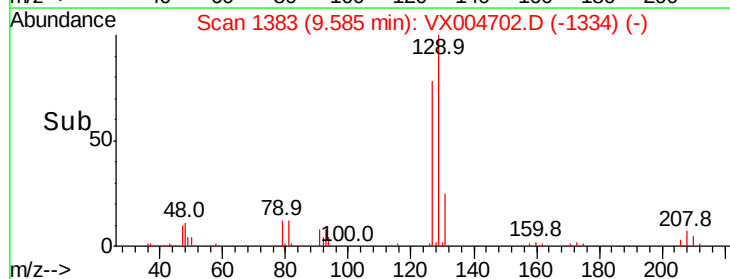
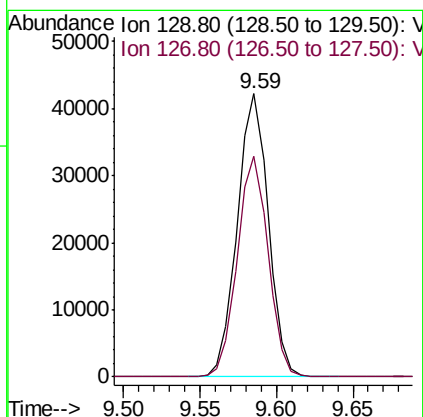
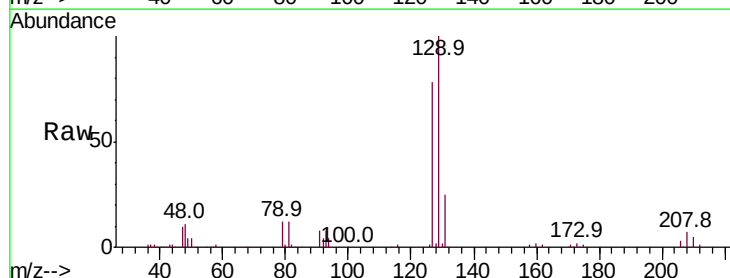
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

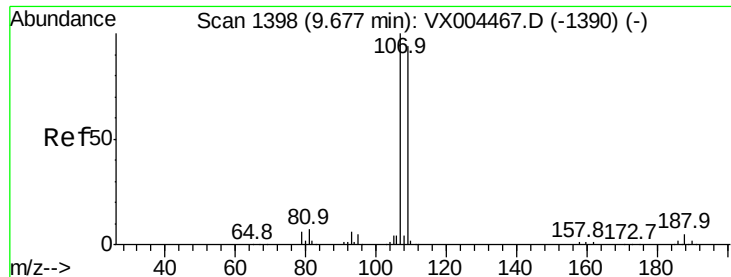
Tot Ion: 43 Resp: 312415
Ion Ratio Lower Upper
43 100
58 57.2 29.0 87.0



#60
Dibromochloromethane
Concen: 19.800 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 129 Resp: 59336
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.971 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

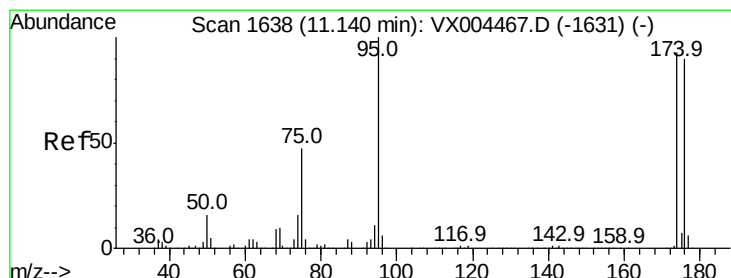
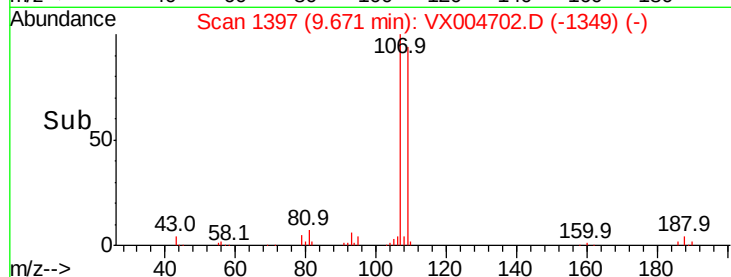
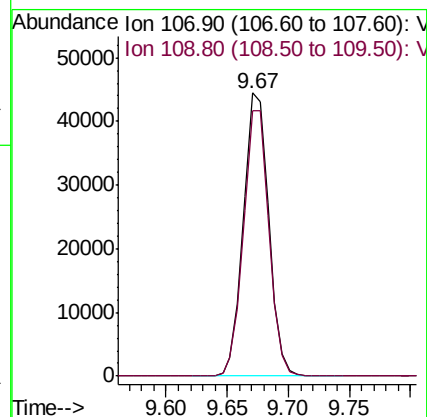
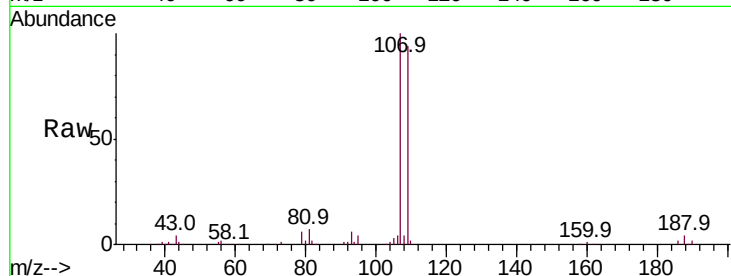
VX0919WBSD01

Tot Ion:107 Resp: 63770

Ion Ratio Lower Upper

107 100

109 94.6 76.0 114.0



#62

4-Bromofluorobenzene

Concen: 47.287 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

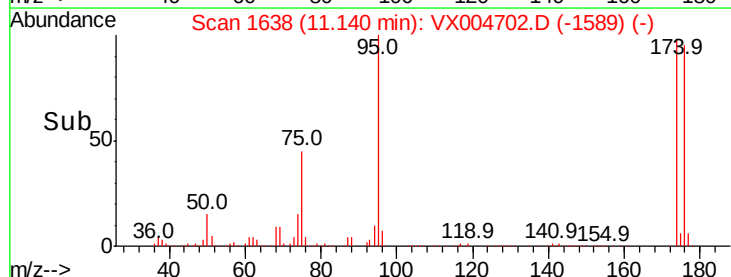
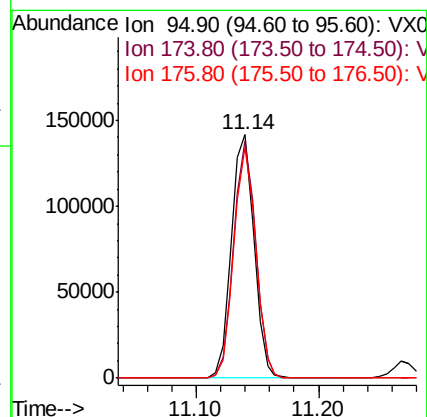
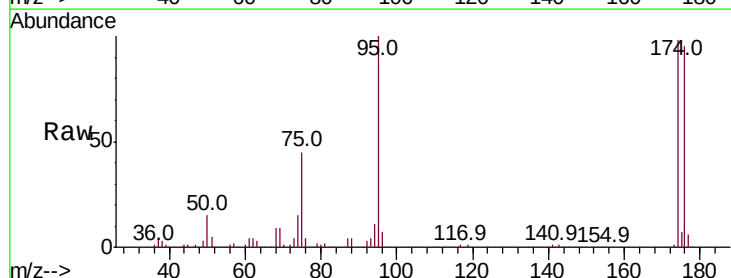
Tgt Ion: 95 Resp: 180438

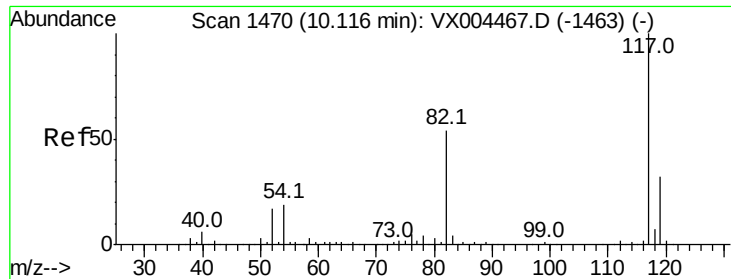
Ion Ratio Lower Upper

95 100

174 95.1 0.0 185.2

176 92.2 0.0 178.6

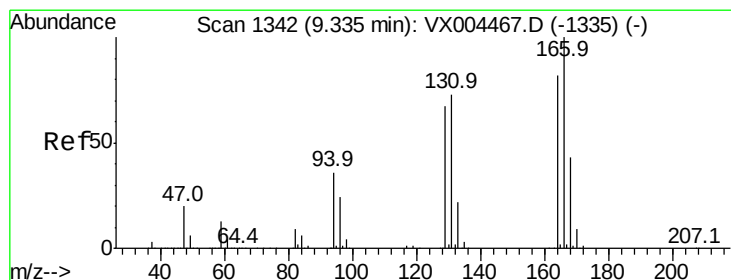
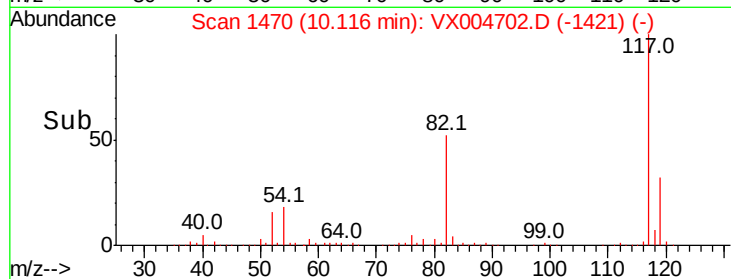
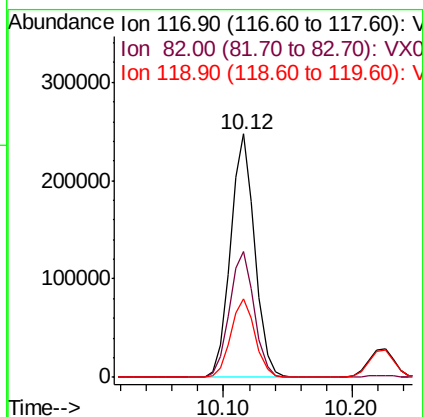
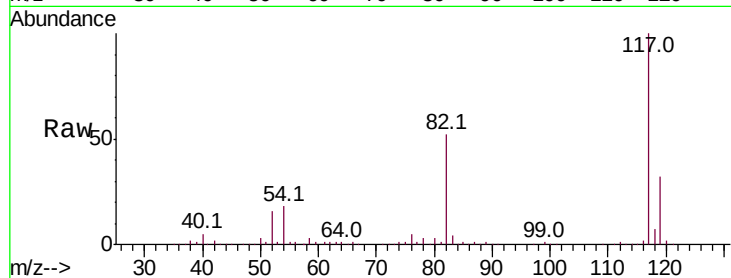




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

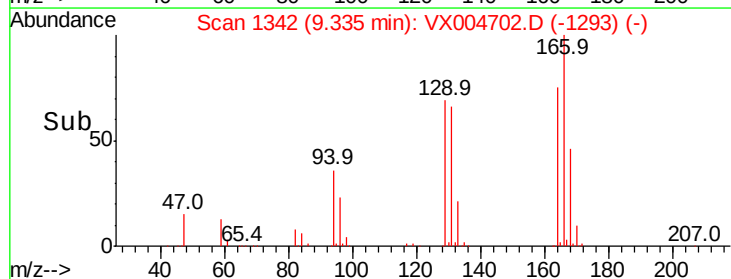
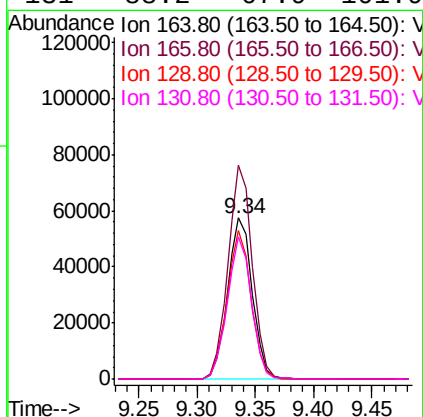
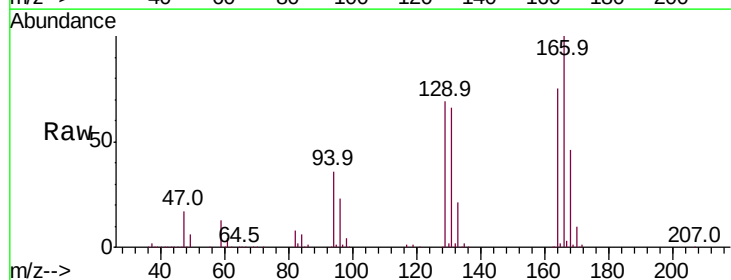
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

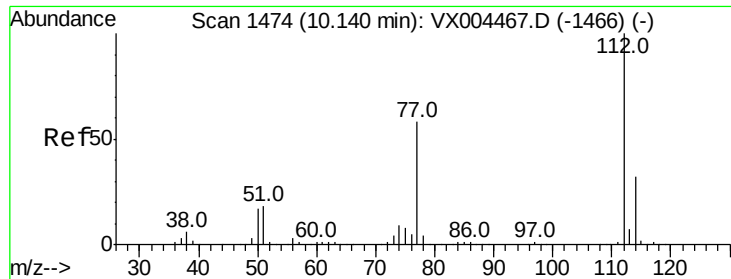
Tot Ion:117 Resp: 325288
Ion Ratio Lower Upper
117 100
82 51.9 47.8 71.6
119 32.4 29.3 43.9



#64
Tetrachloroethene
Concen: 20.770 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion:164 Resp: 84353
Ion Ratio Lower Upper
164 100
166 132.7 102.8 154.2
129 92.0 69.4 104.0
131 88.2 67.9 101.9

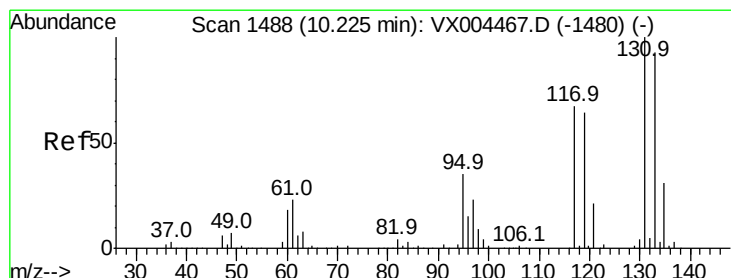
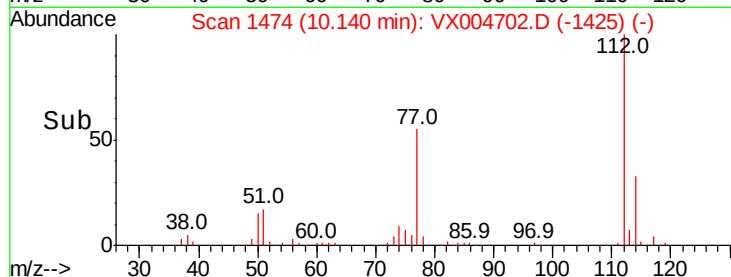
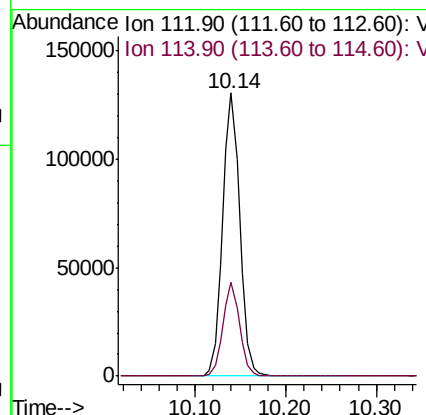
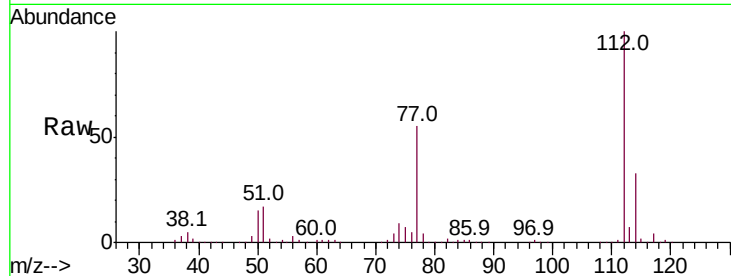




#65
Chlorobenzene
Concen: 21.519 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

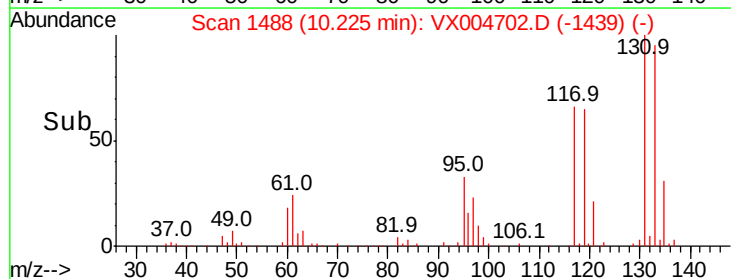
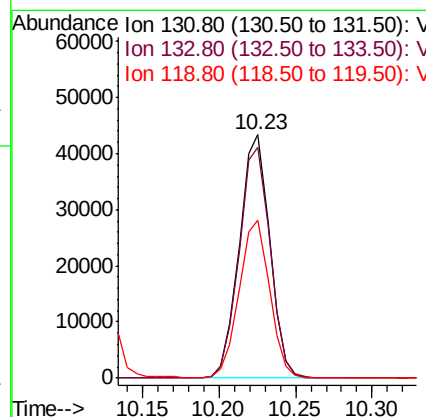
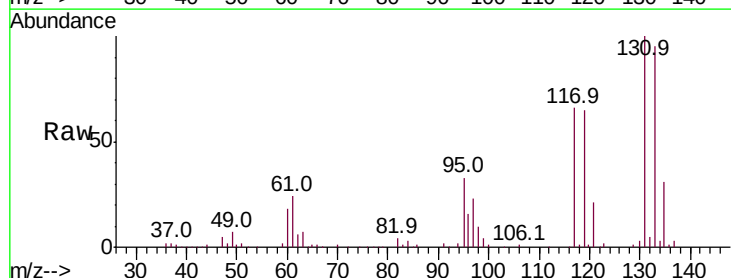
Instrument :
MSVOA_X
ClientSampled :
VX0919WBSD01

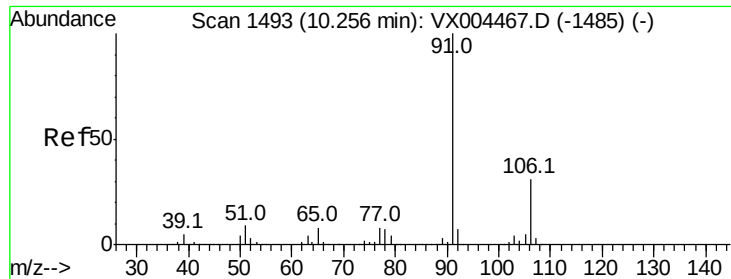
Tot Ion:112 Resp: 173871
Ion Ratio Lower Upper
112 100
114 33.0 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.463 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion:131 Resp: 59804
Ion Ratio Lower Upper
131 100
133 96.7 48.1 144.4
119 65.5 32.9 98.6

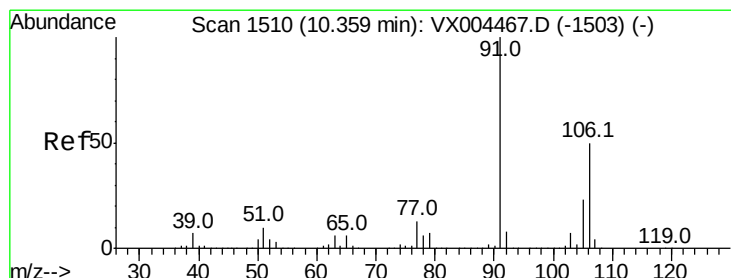
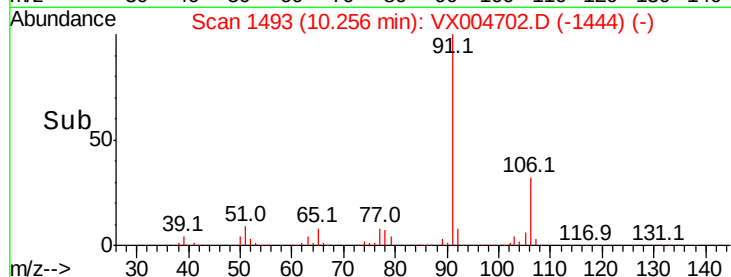
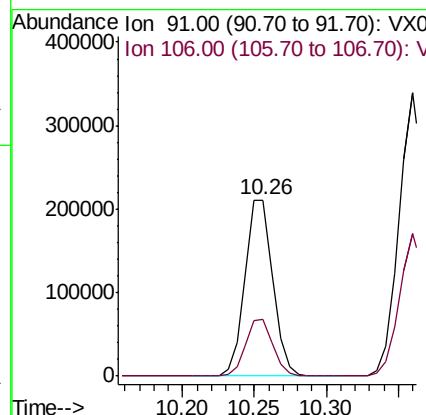
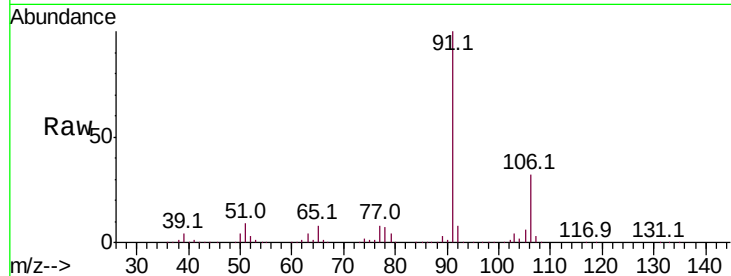




#67
Ethyl Benzene
Concen: 21.571 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

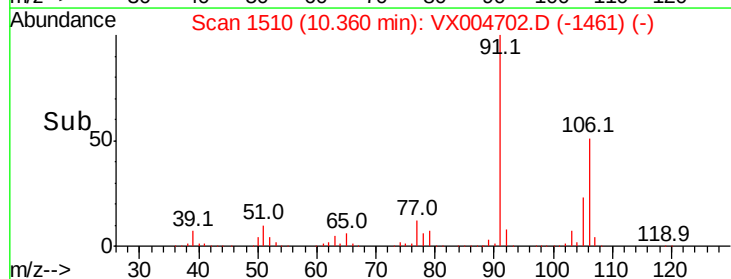
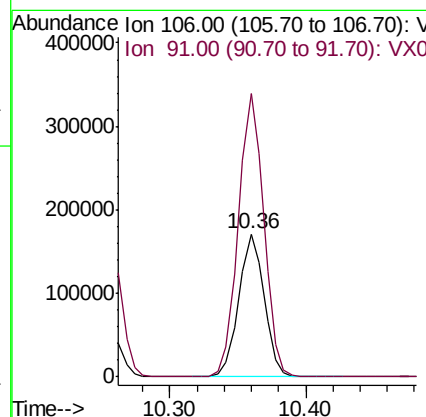
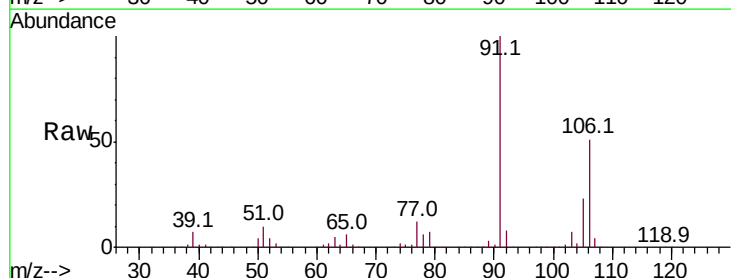
Instrument :
MSVOA_X
ClientSampled :
VX0919WBSD01

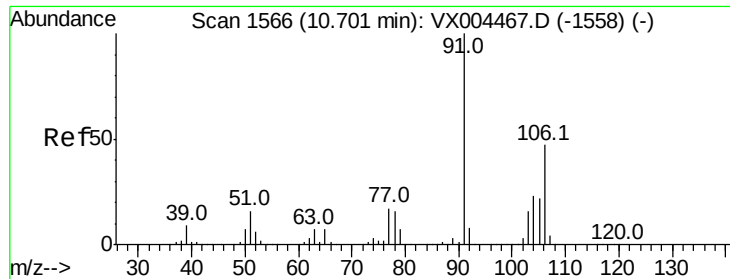
Tot Ion: 91 Resp: 283411
Ion Ratio Lower Upper
91 100
106 32.0 25.9 38.9



#68
m/p-Xylenes
Concen: 43.979 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 106 Resp: 222573
Ion Ratio Lower Upper
106 100
91 199.1 157.1 235.7

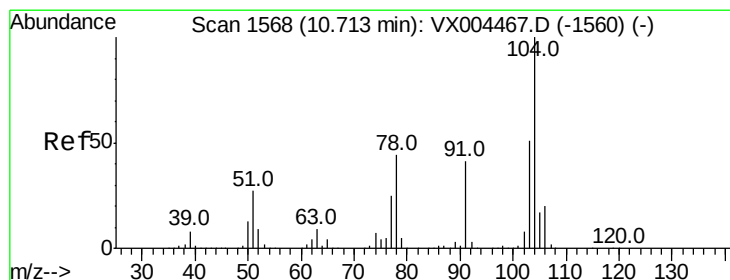
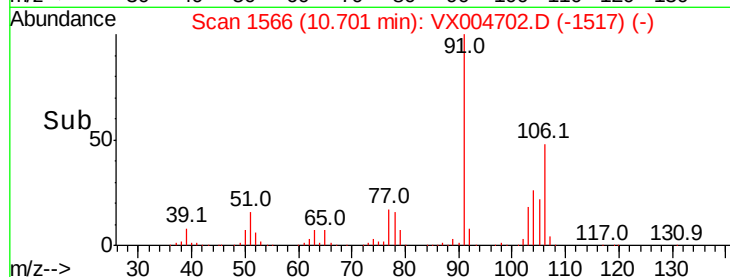
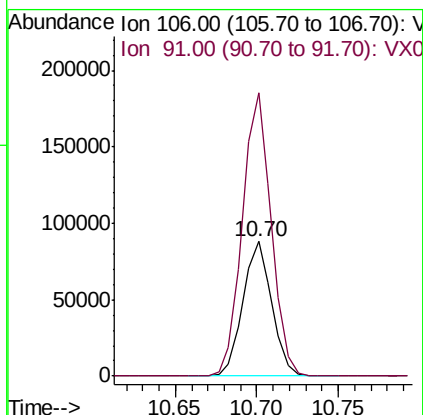
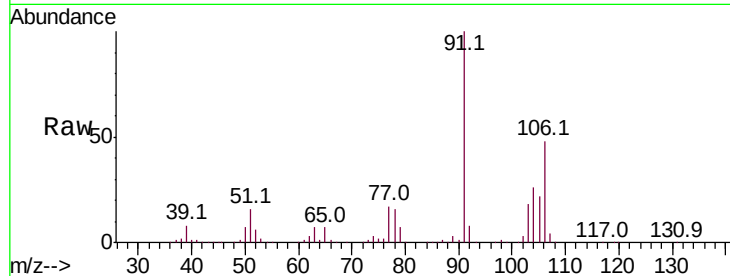




#69
o-Xylene
Concen: 22.287 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

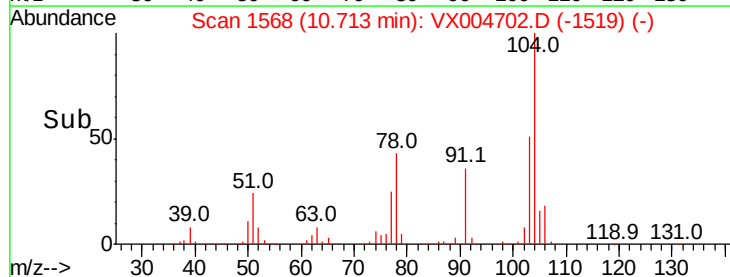
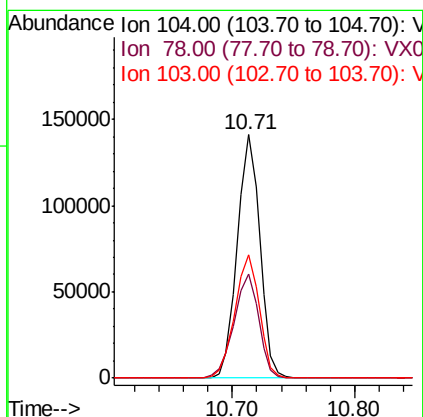
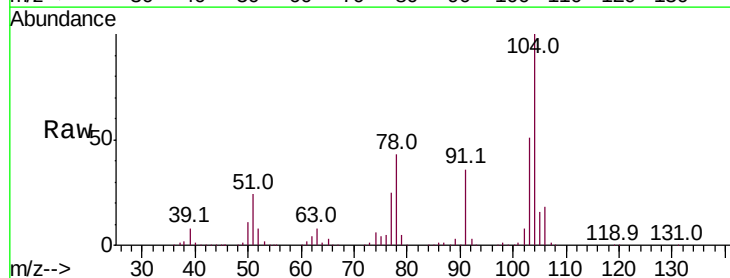
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

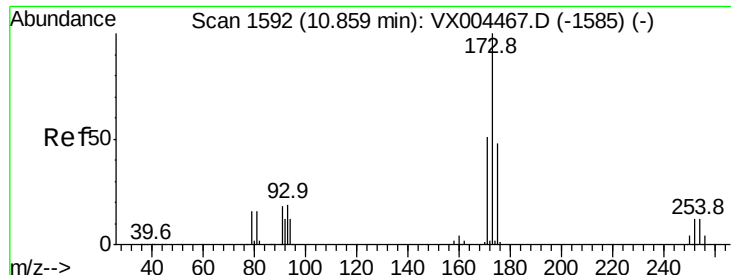
Tot Ion:106 Resp: 108436
Ion Ratio Lower Upper
106 100
91 210.7 105.1 315.1



#70
Styrene
Concen: 22.366 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion:104 Resp: 180281
Ion Ratio Lower Upper
104 100
78 46.9 37.4 56.0
103 55.0 43.8 65.6





#71

Bromoform

Concen: 20.312 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

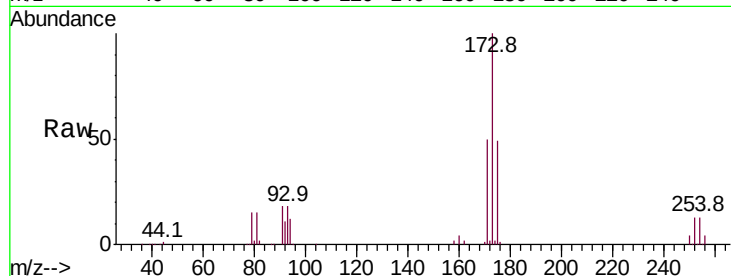
Tot Ion:173 Resp: 46470

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.3

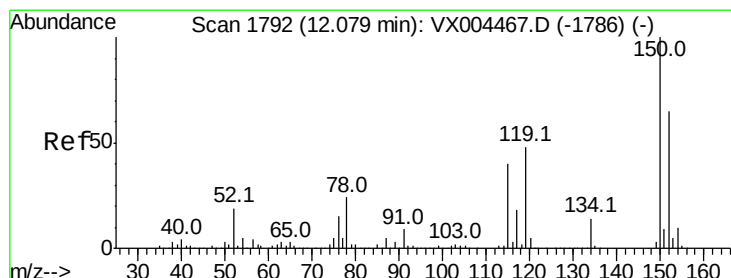
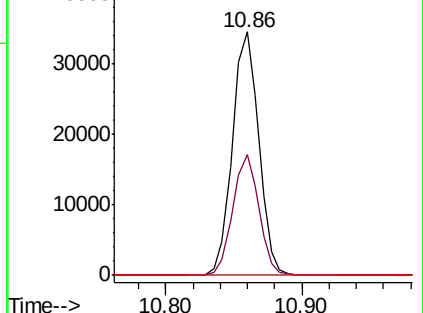
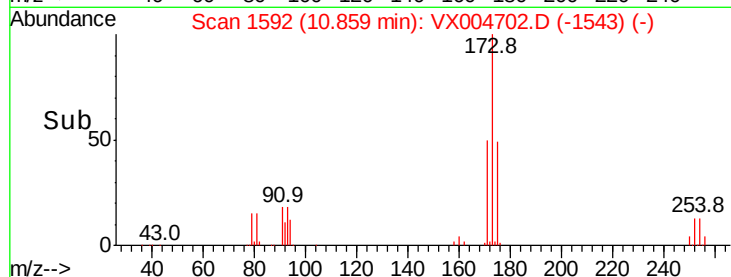
254 0.2 0.2 0.2



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: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

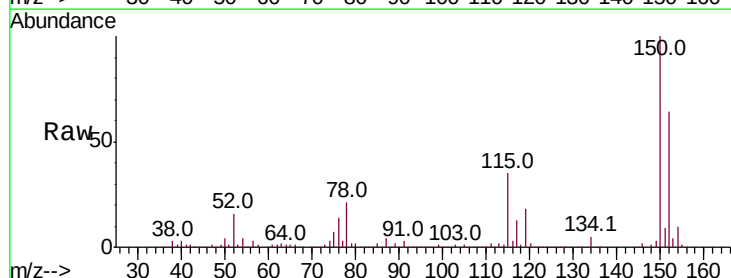
Tgt Ion:152 Resp: 194247

Ion Ratio Lower Upper

152 100

115 63.4 39.0 117.0

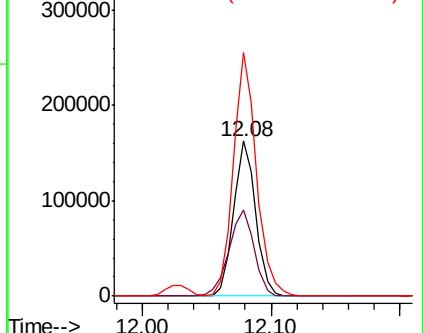
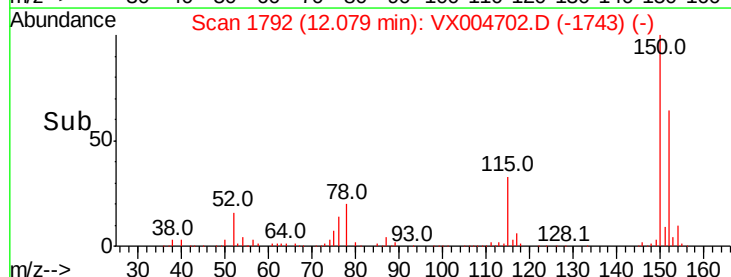
150 164.1 0.0 351.0

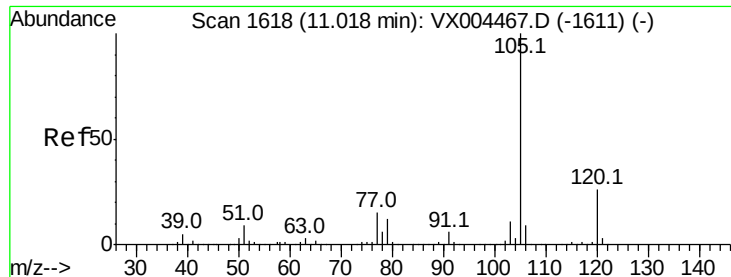


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

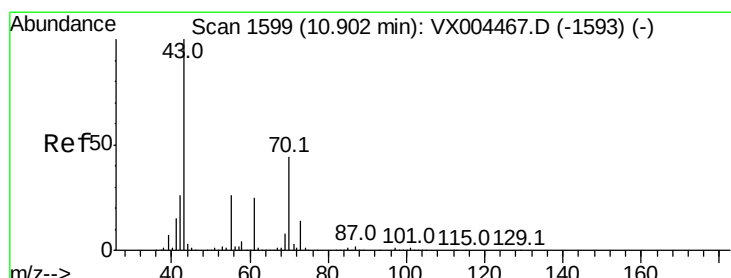
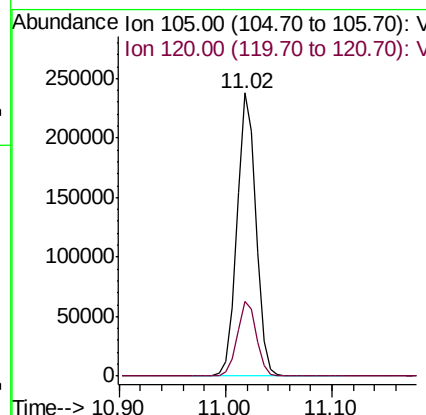
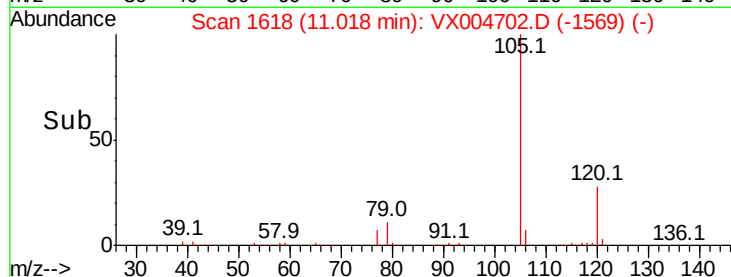
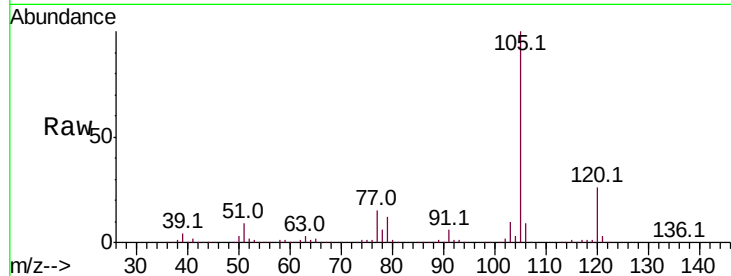




#73
Isopropylbenzene
Concen: 23.244 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

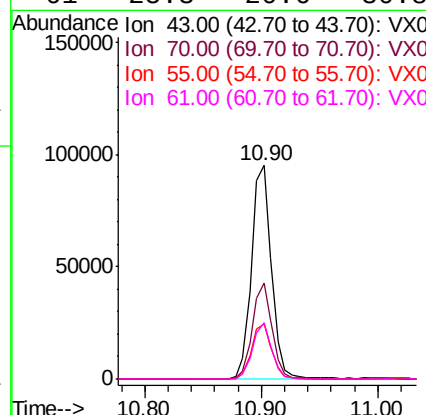
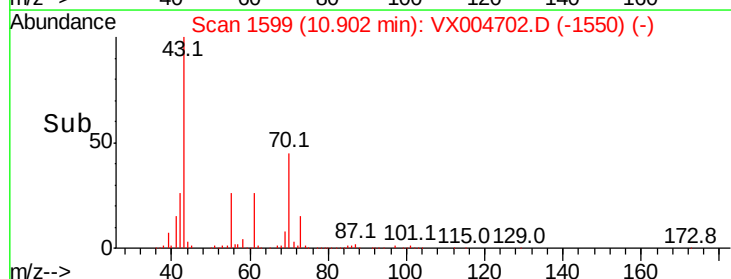
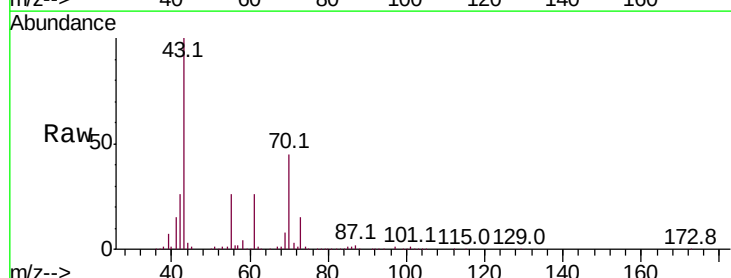
Instrument :
MSVOA_X
ClientSampleId :
VX0919WBSD01

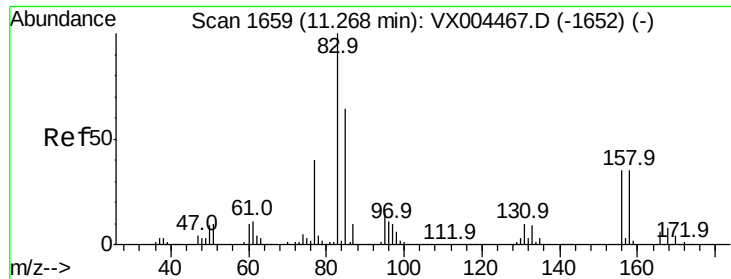
Tot Ion:105 Resp: 297364
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4



#74
N-ethyl acetate
Concen: 21.187 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 43 Resp: 114085
Ion Ratio Lower Upper
43 100
70 44.5 37.4 56.0
55 26.1 21.8 32.8
61 25.3 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.747 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

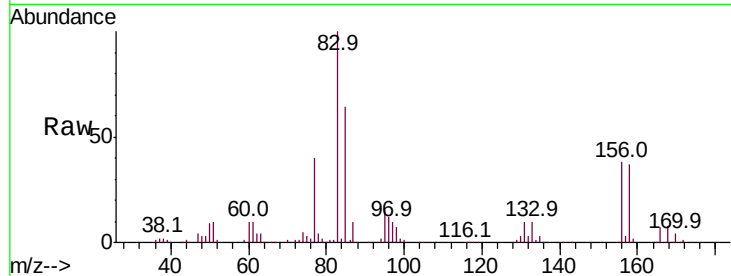
Tot Ion: 83 Resp: 81486

Ion Ratio Lower Upper

83 100

131 10.8 5.2 15.6

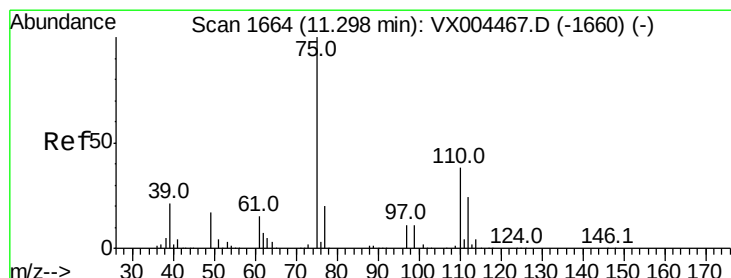
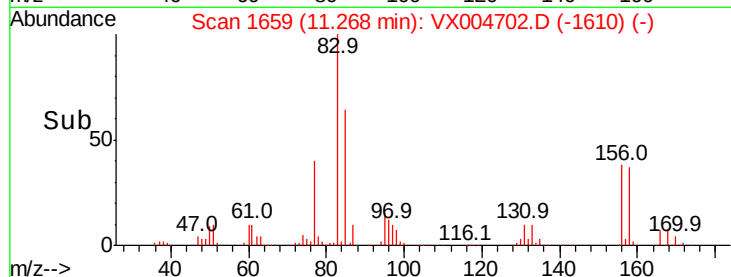
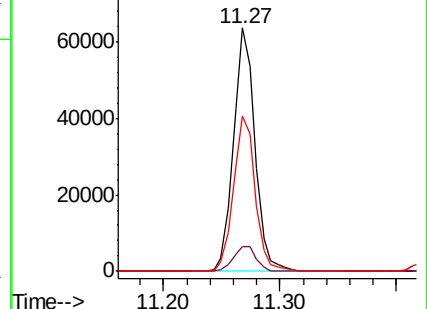
85 64.7 32.3 96.8



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: 26.224 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX004702.D

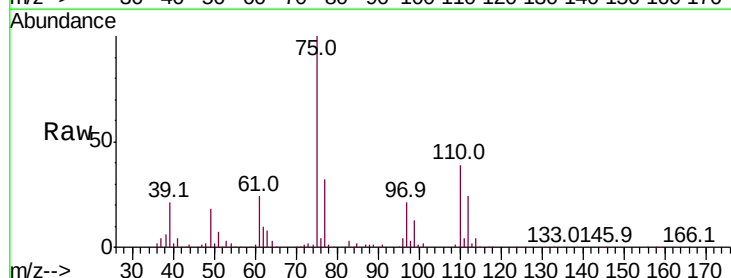
Acq: 19 Sep 2018 13:39

Tgt Ion: 75 Resp: 102484

Ion Ratio Lower Upper

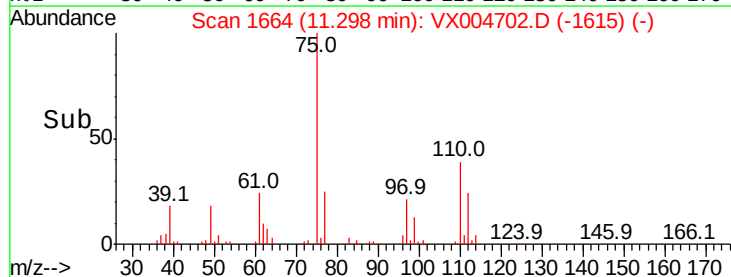
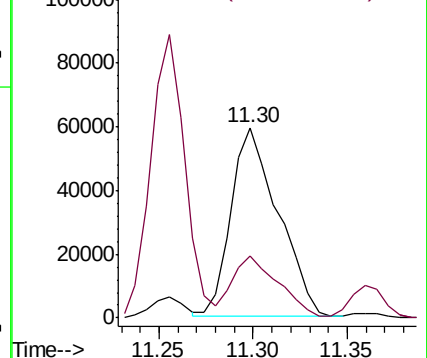
75 100

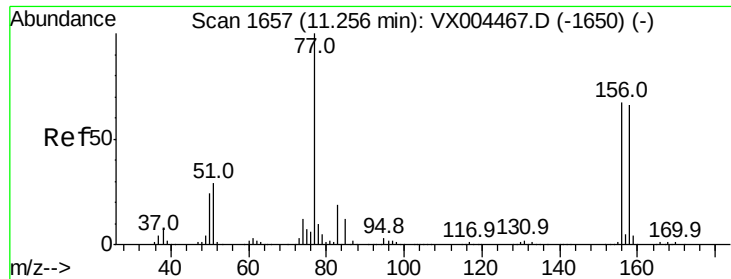
77 32.4 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 22.441 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

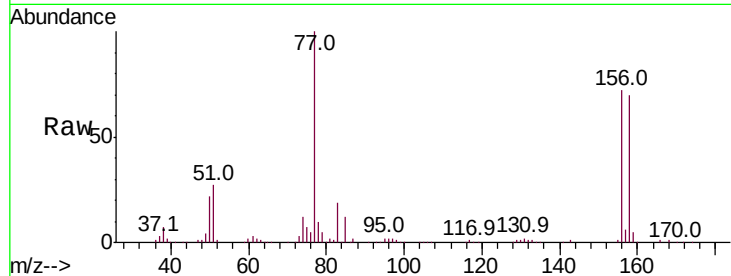
Tot Ion:156 Resp: 79350

Ion Ratio Lower Upper

156 100

77 141.9 71.5 214.3

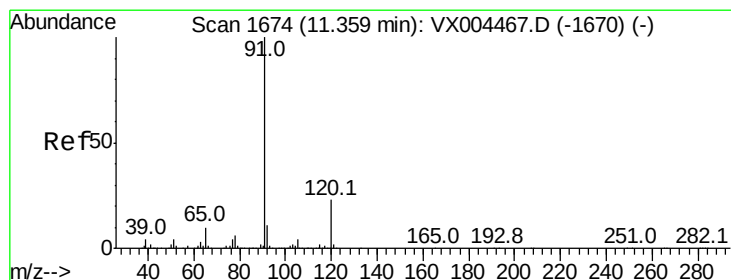
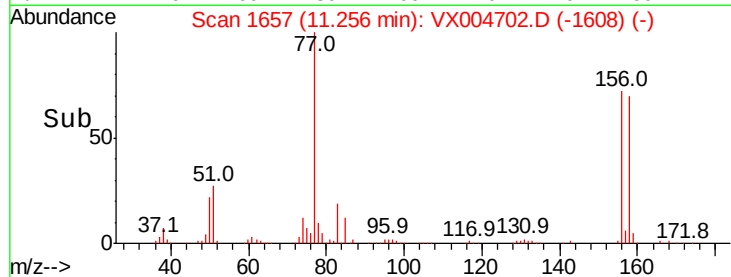
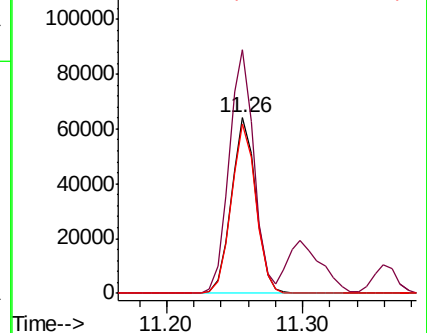
158 97.5 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.443 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX004702.D

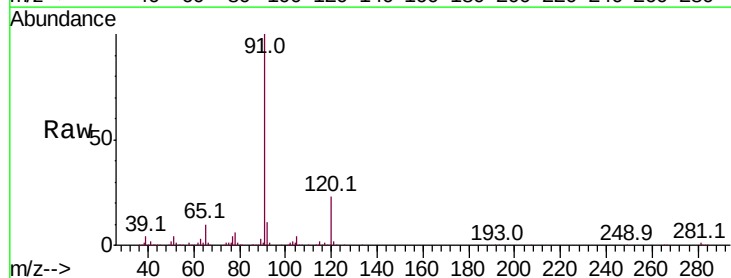
Acq: 19 Sep 2018 13:39

Tgt Ion: 91 Resp: 330125

Ion Ratio Lower Upper

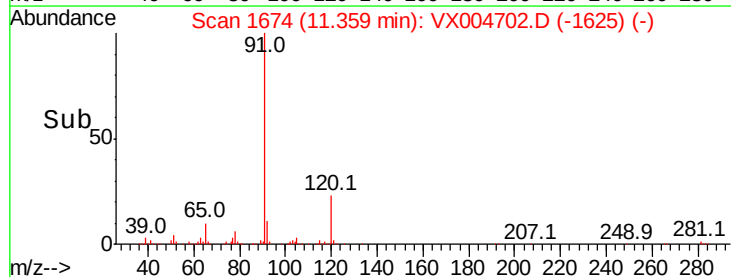
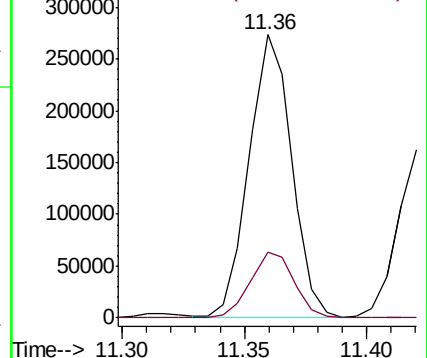
91 100

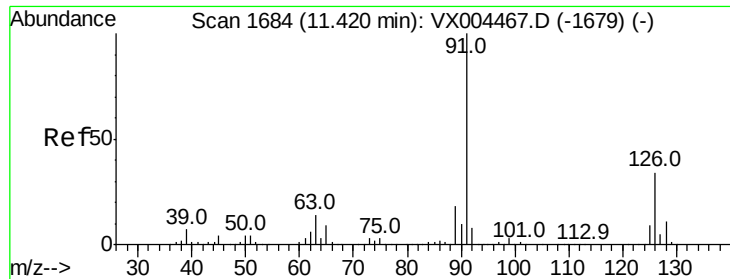
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

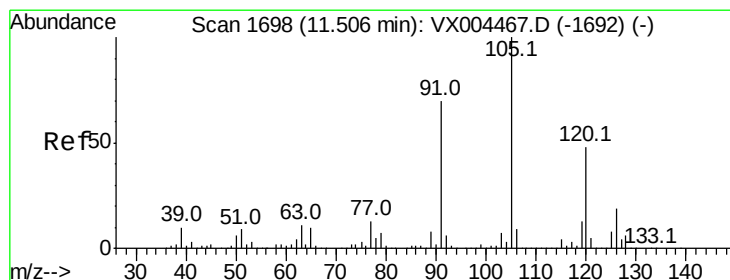
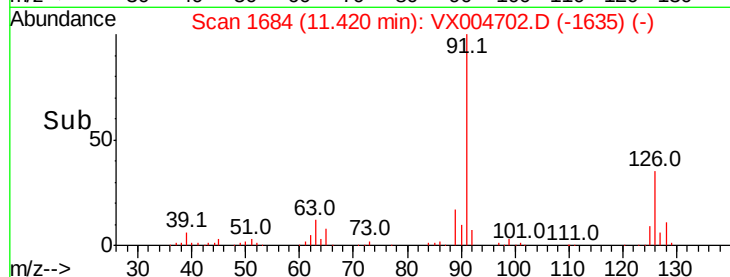
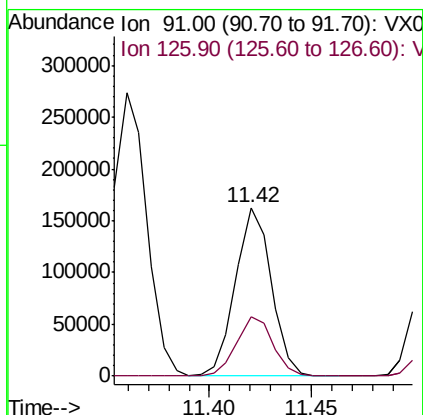
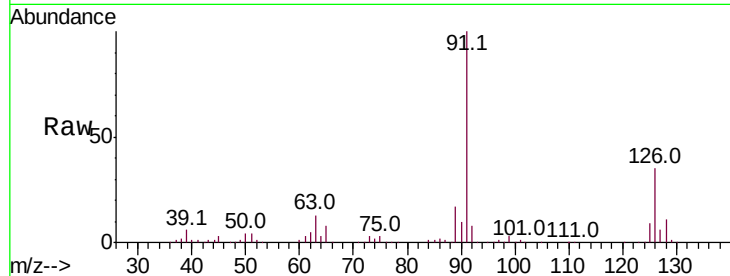




#79
 2-Chlorotoluene
 Concen: 22.113 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

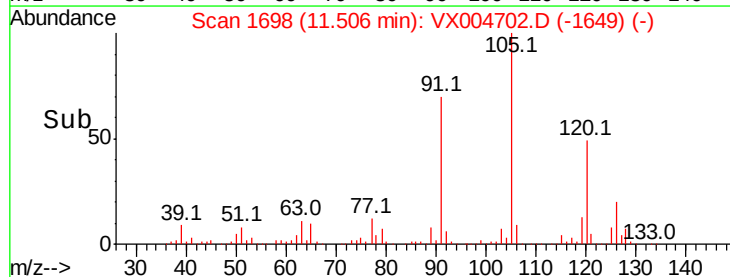
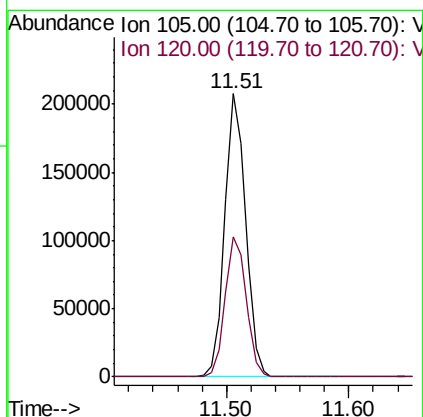
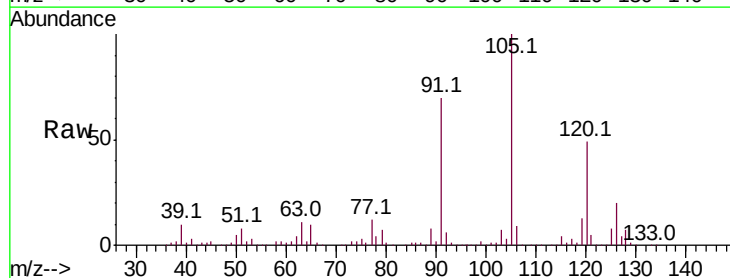
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

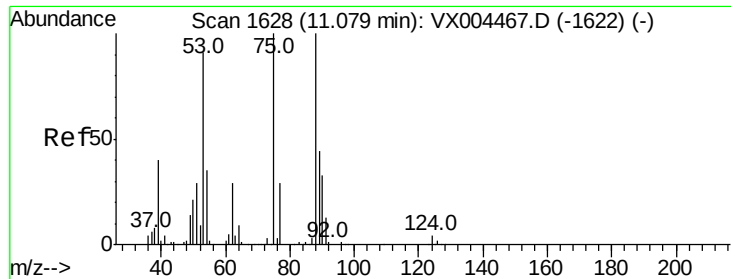
Tot Ion: 91 Resp: 197272
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 22.727 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion:105 Resp: 244416
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.438 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

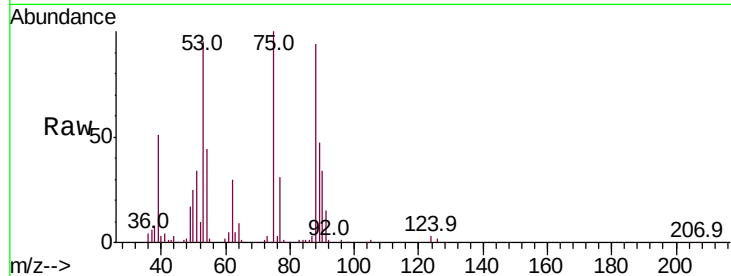
Tot Ion: 75 Resp: 25059

Ion Ratio Lower Upper

75 100

53 96.0 80.1 120.1

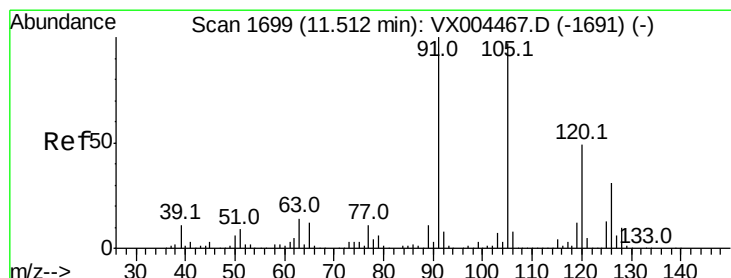
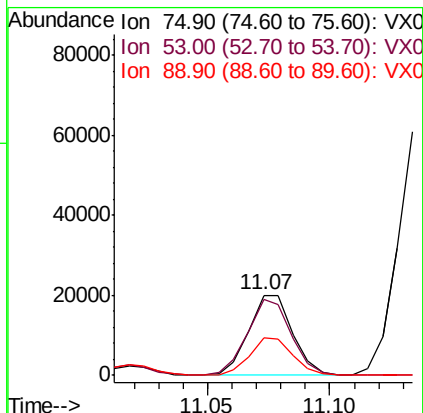
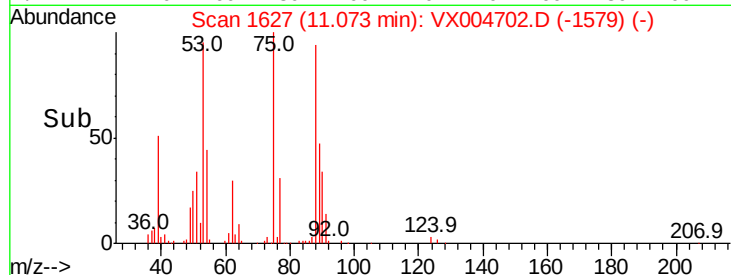
89 47.1 37.2 55.8



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: 21.916 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX004702.D

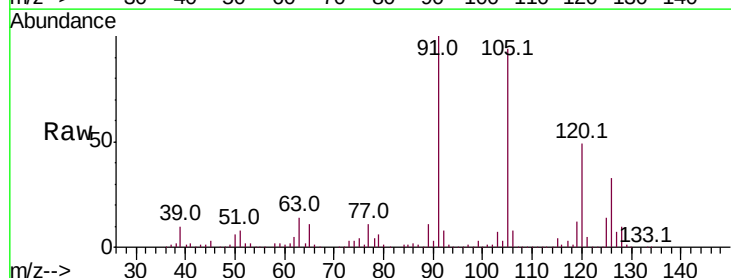
Acq: 19 Sep 2018 13:39

Tgt Ion: 91 Resp: 228195

Ion Ratio Lower Upper

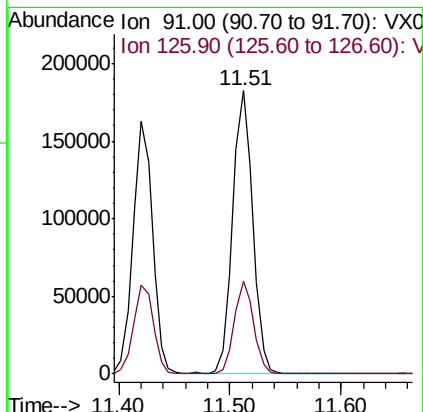
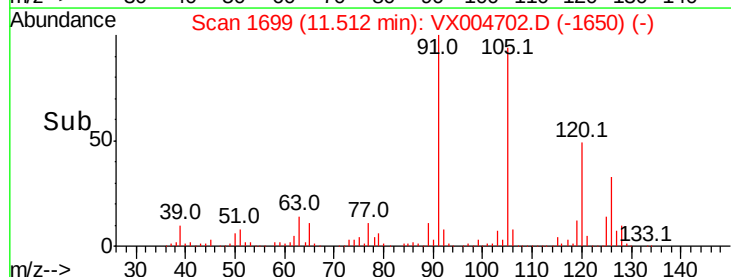
91 100

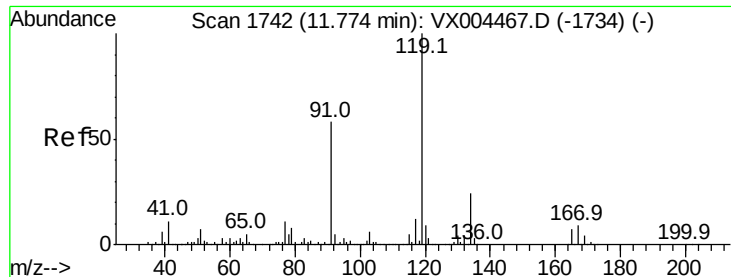
126 31.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

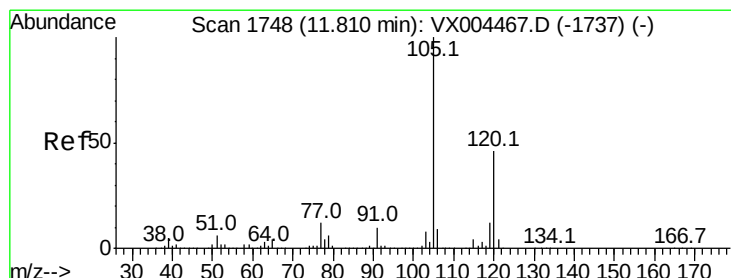
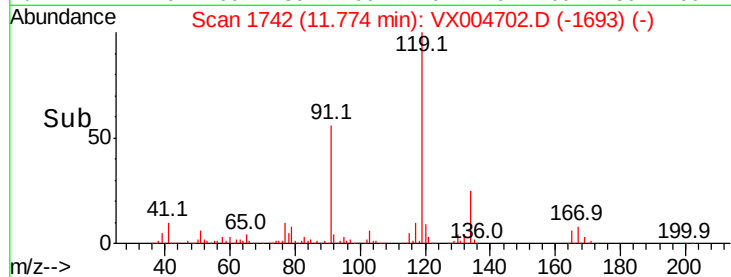
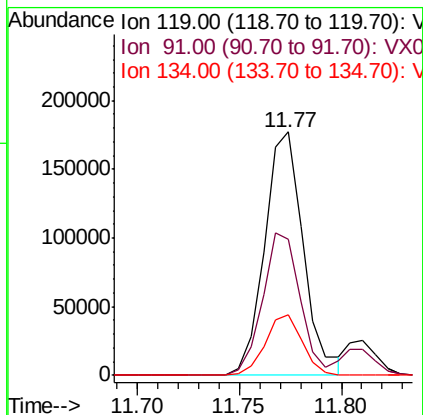
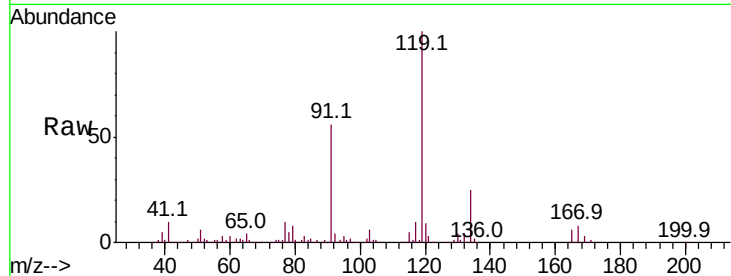




#83
 tert-Butylbenzene
 Concen: 22.938 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

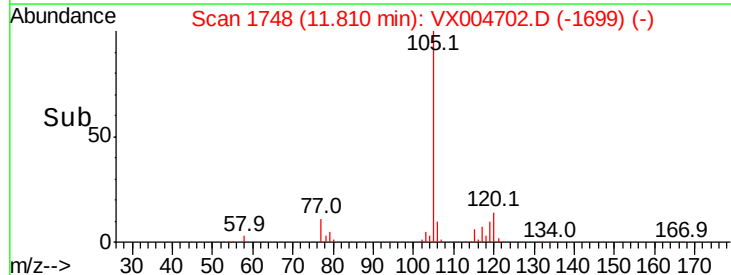
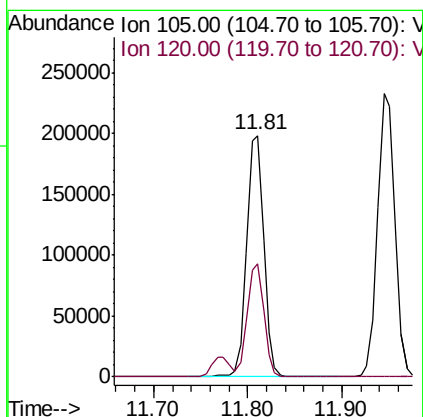
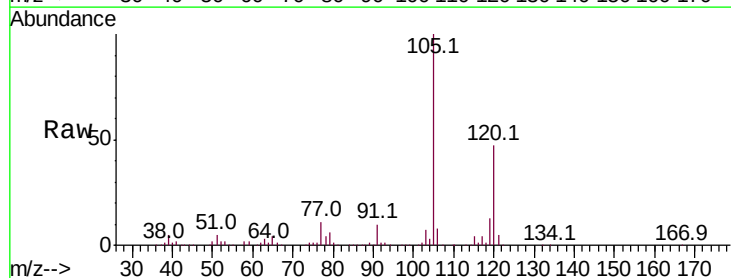
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

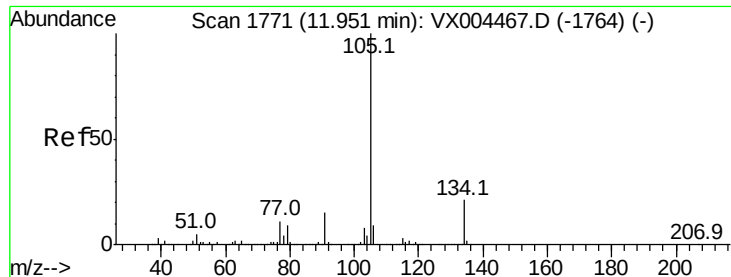
Tot Ion:119 Resp: 234850
 Ion Ratio Lower Upper
 119 100
 91 56.6 27.0 81.0
 134 23.7 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.942 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion:105 Resp: 251914
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.2 69.6





#85

sec-Butylbenzene

Concen: 22.701 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

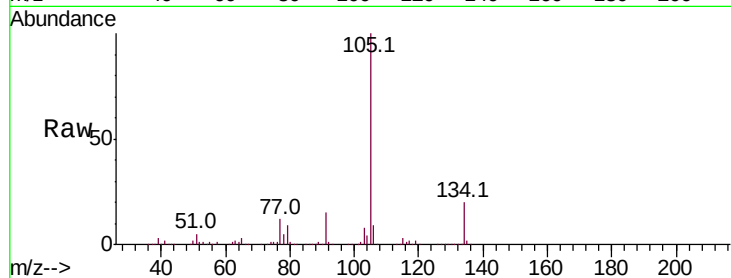
VX0919WBSD01

Tot Ion:105 Resp: 296185

Ion Ratio Lower Upper

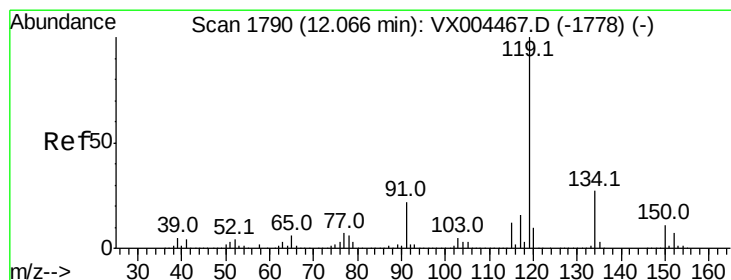
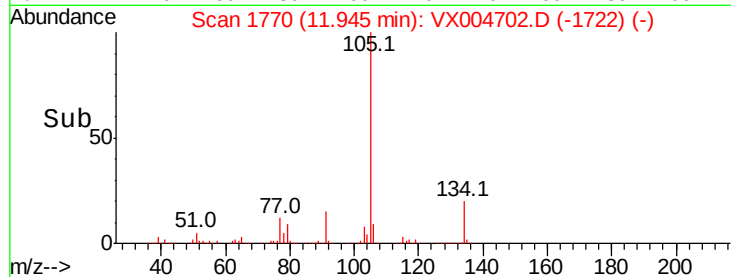
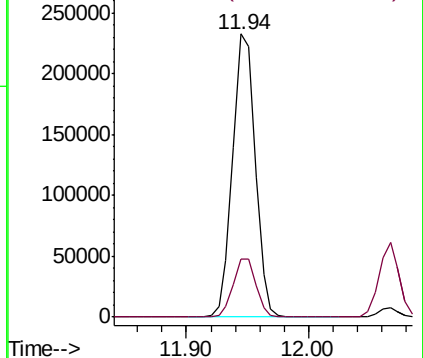
105 100

134 20.6 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: 23.134 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

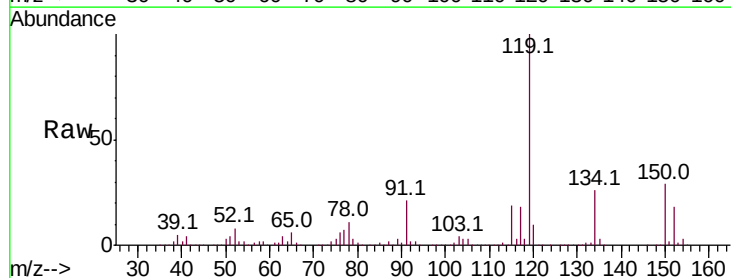
Tgt Ion:119 Resp: 266540

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

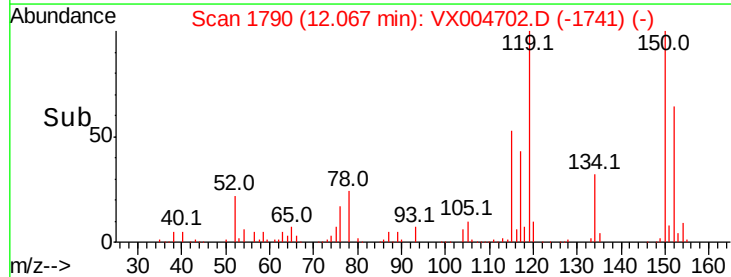
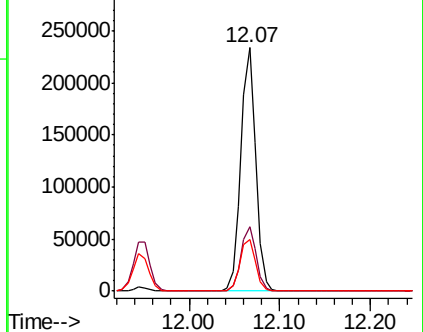
91 22.0 10.9 32.7

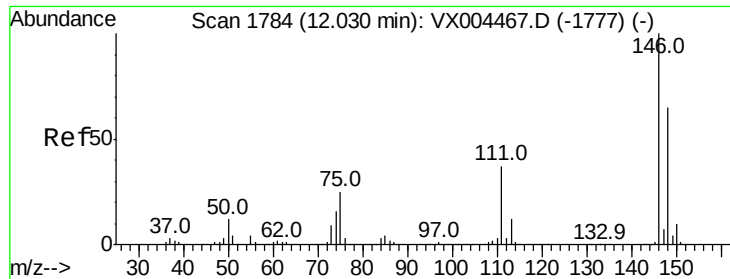


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

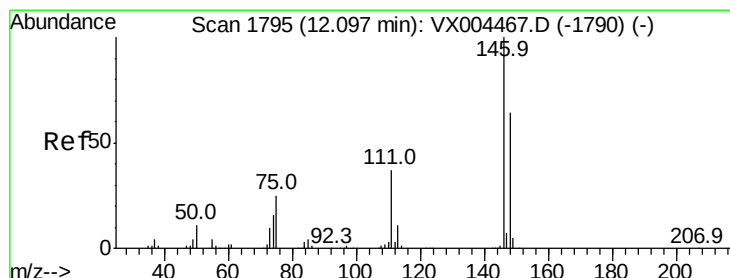
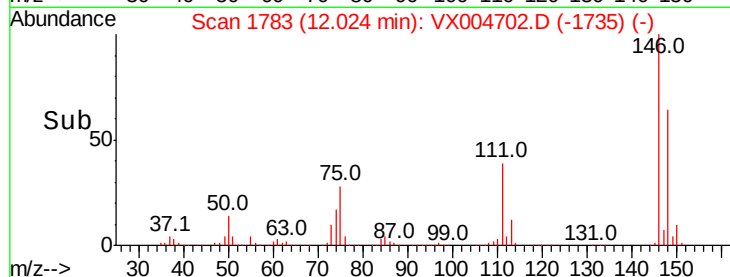
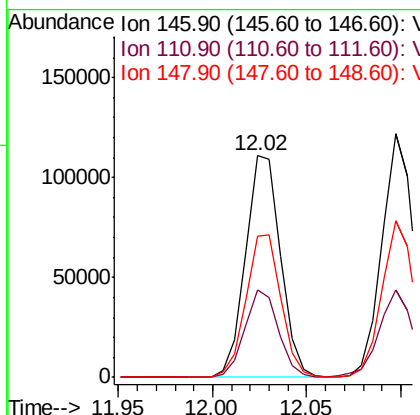
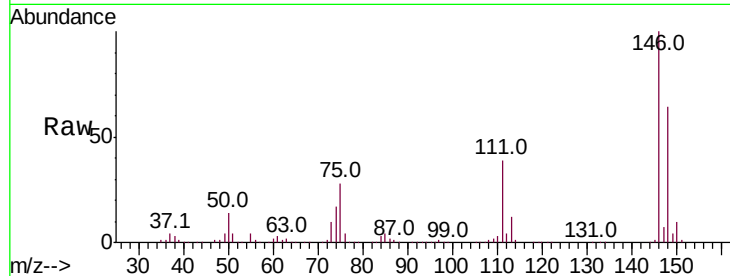




#87
 1,3-Dichlorobenzene
 Concen: 21.728 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

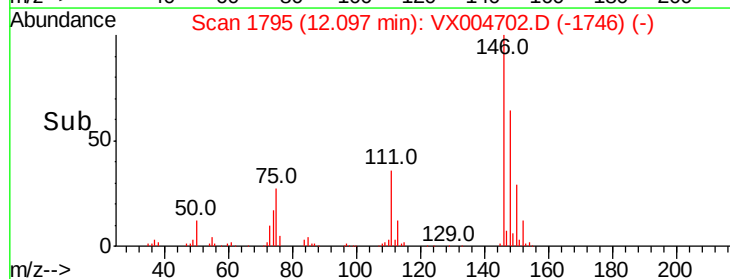
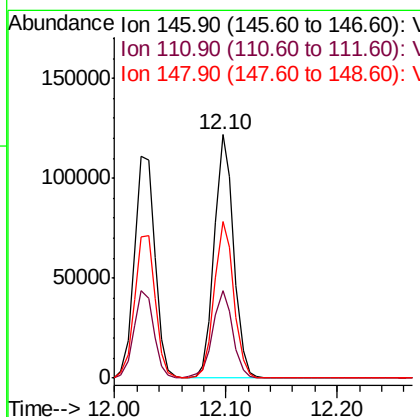
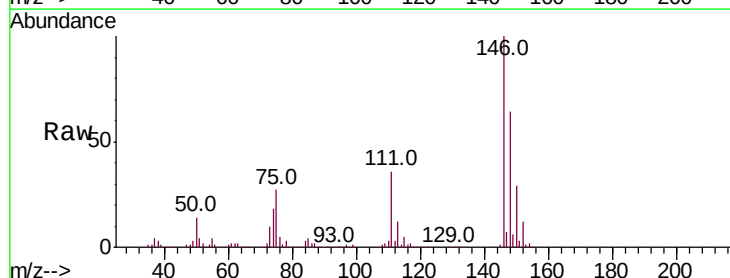
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

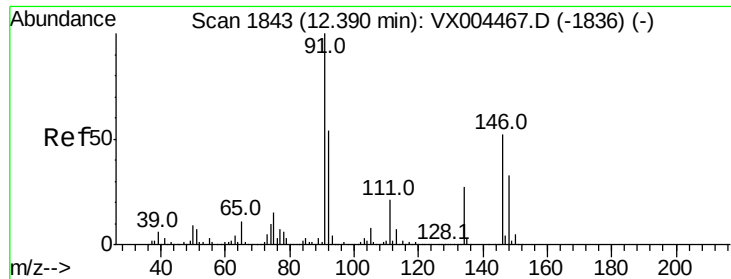
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.7	56.1
148	64.1	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 21.496 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.1
148	64.8	32.0	96.0

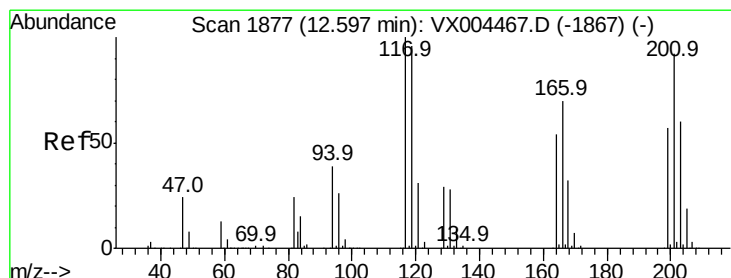
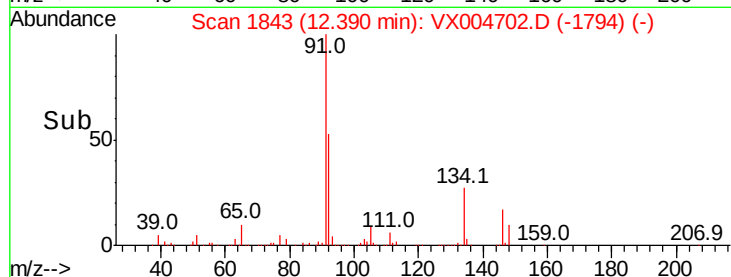
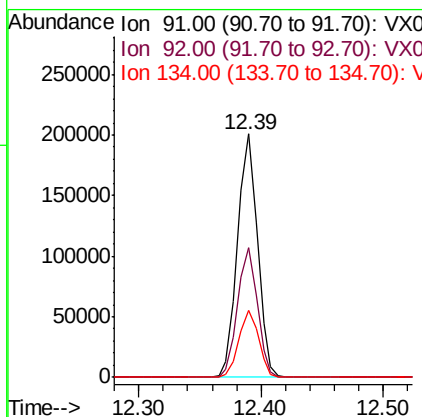
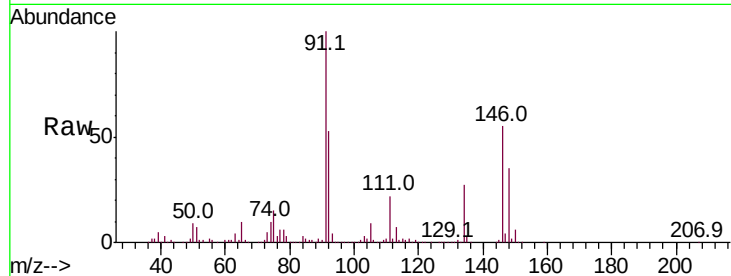




#89
n-Butylbenzene
Concen: 21.453 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

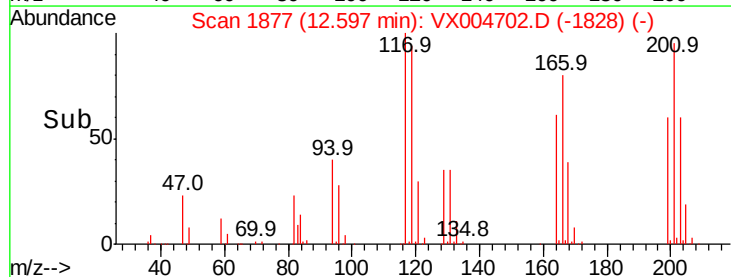
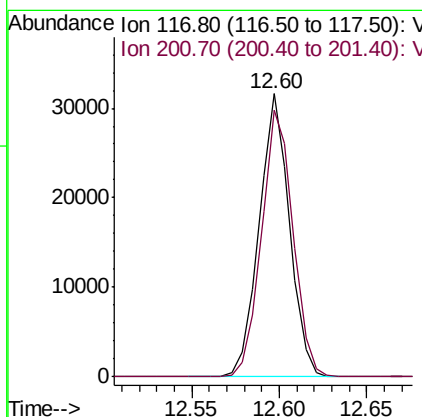
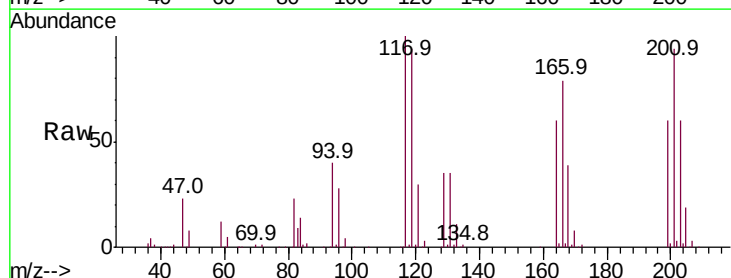
Instrument :
MSVOA_X
ClientSampleID :
VX0919WBSD01

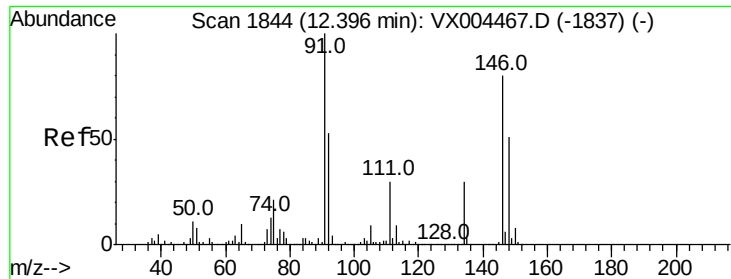
Tot Ion: 91 Resp: 225242
Ion Ratio Lower Upper
91 100
92 53.0 27.3 81.9
134 27.3 13.6 40.7



#90
Hexachloroethane
Concen: 20.838 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX004702.D
Acq: 19 Sep 2018 13:39

Tgt Ion: 117 Resp: 38436
Ion Ratio Lower Upper
117 100
201 97.9 46.9 140.6

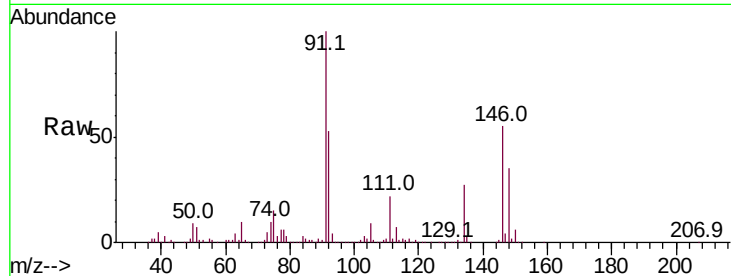




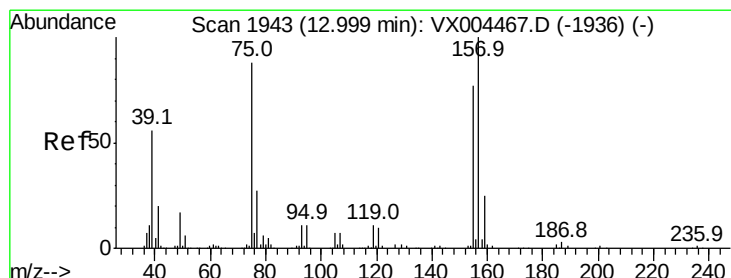
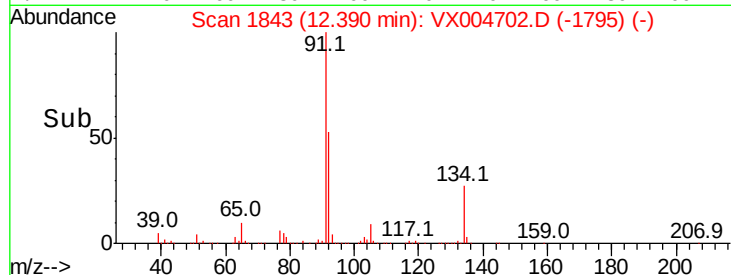
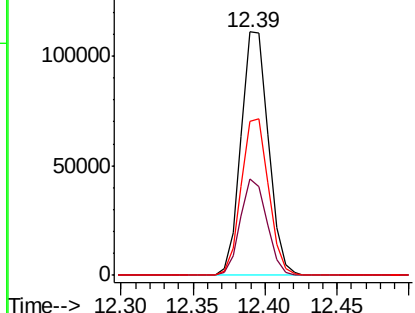
#91
 1,2-Dichlorobenzene
 Concen: 21.936 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

Tot Ion:146 Resp: 146479
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.4 58.1
 148 64.5 32.8 98.3

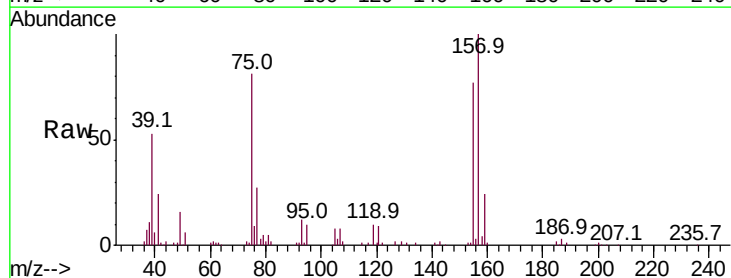


Abundance Ion 145.90 (145.60 to 146.60): V
 150000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

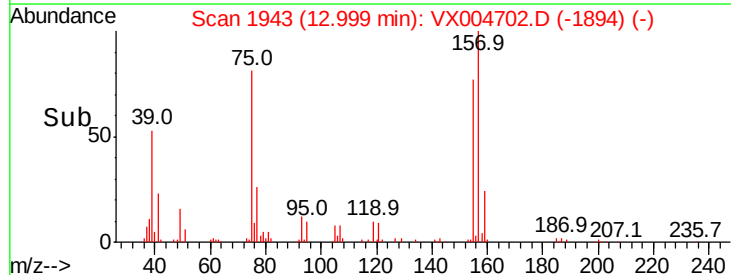
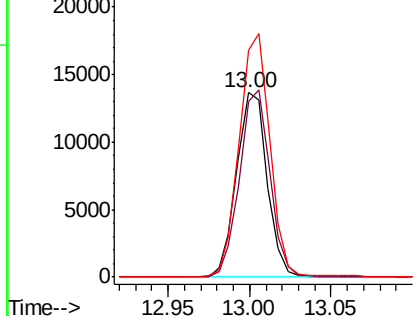


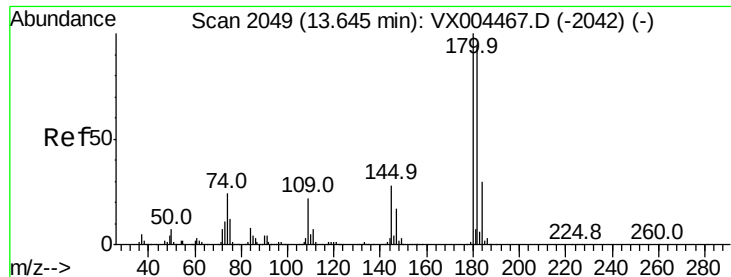
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.293 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion: 75 Resp: 17880
 Ion Ratio Lower Upper
 75 100
 155 101.3 48.0 144.2
 157 134.1 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
 25000 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

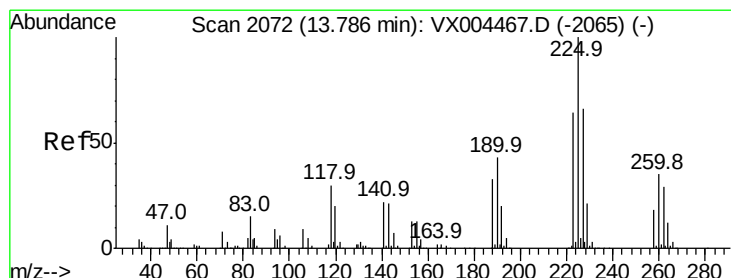
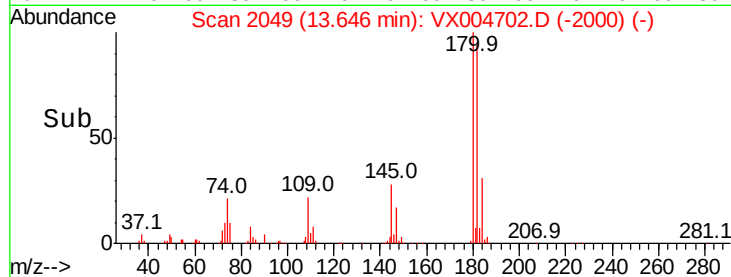
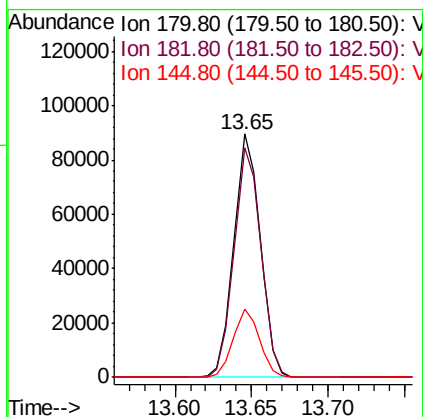
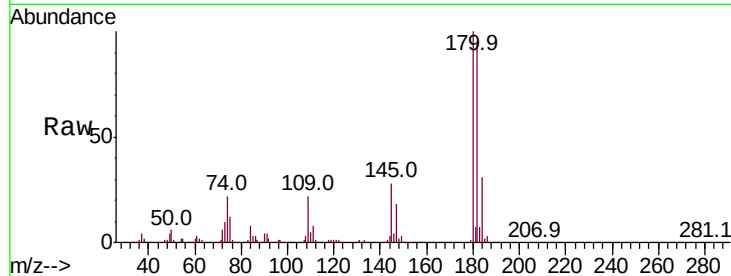




#93
 1,2,4-Trichlorobenzene
 Concen: 22.786 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

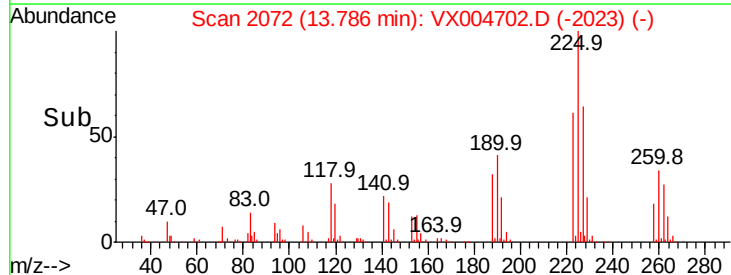
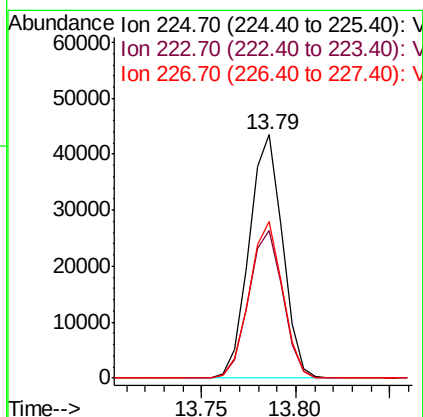
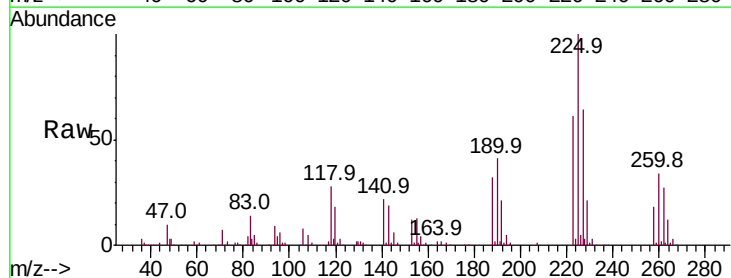
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0919WBSD01

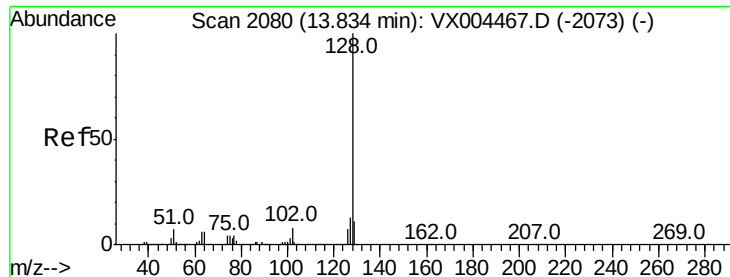
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.4	145.0
145	27.8	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 21.599 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX004702.D
 Acq: 19 Sep 2018 13:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.1	90.5
227	64.2	30.8	92.4





#95

Naphthalene

Concen: 23.566 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

Instrument :

MSVOA_X

ClientSampleId :

VX0919WBSD01

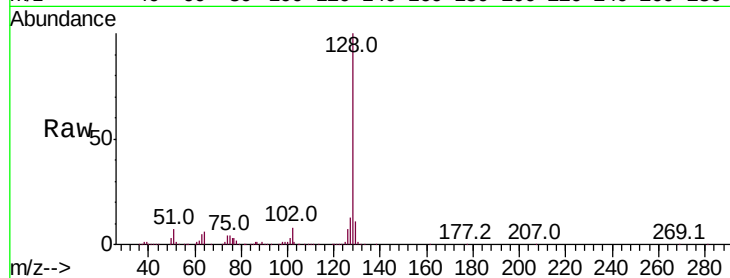
Tot Ion:128 Resp: 312513

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

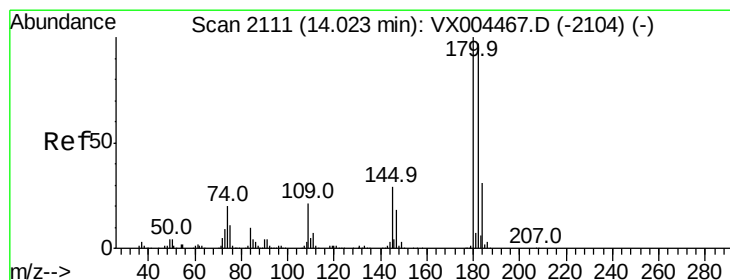
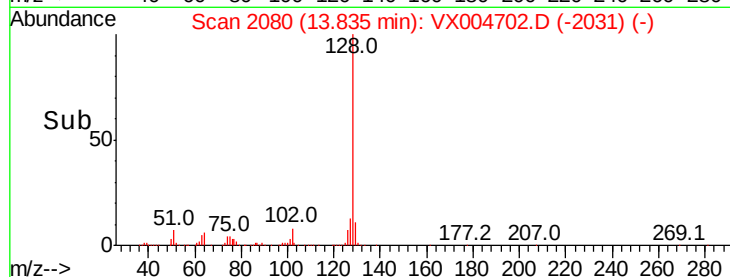
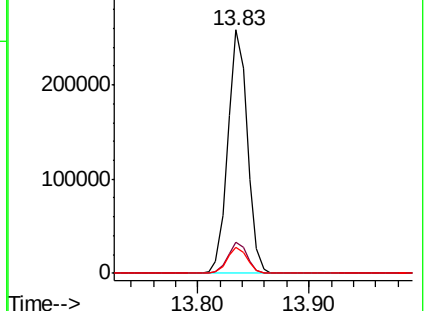
129 11.0 8.6 12.8



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: 22.637 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX004702.D

Acq: 19 Sep 2018 13:39

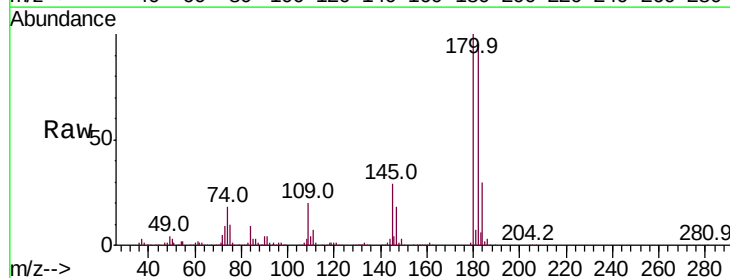
Tgt Ion:180 Resp: 109958

Ion Ratio Lower Upper

180 100

182 95.6 48.5 145.6

145 29.7 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

