

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101918\
 Data File : VX005456.D
 Acq On : 19 Oct 2018 14:19
 Operator : JC/MD
 Sample : VX1019WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

Quant Time: Oct 20 05:09:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	260191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	359436	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	331958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	184169	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	145063	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	
35) Dibromofluoromethane	5.51	113	118157	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
50) Toluene-d8	8.72	98	439127	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	
62) 4-Bromofluorobenzene	11.14	95	160807	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	38827	19.086	ug/l	98
3) Chloromethane	1.33	50	58112	19.714	ug/l	90
4) Vinyl Chloride	1.40	62	54913	18.389	ug/l	99
5) Bromomethane	1.64	94	30762	18.611	ug/l	99
6) Chloroethane	1.72	64	35123	18.939	ug/l	98
7) Trichlorofluoromethane	1.93	101	79343	19.911	ug/l	96
8) Diethyl Ether	2.19	74	34238	20.120	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.39	101	48727	21.186	ug/l	96
10) Methyl Iodide	2.51	142	53981	22.828	ug/l	100
11) Tert butyl alcohol	3.07	59	80377	98.673	ug/l	99
12) 1,1-Dichloroethene	2.37	96	46278	20.308	ug/l	98
13) Acrolein	2.29	56	31949	59.818	ug/l	93
14) Allyl chloride	2.73	41	99444	19.876	ug/l	93
15) Acrylonitrile	3.15	53	186007	100.768	ug/l	100
16) Acetone	2.45	43	165692	99.238	ug/l	94
17) Carbon Disulfide	2.57	76	118191	17.121	ug/l	99
18) Methyl Acetate	2.78	43	106543	22.430	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	171260	21.338	ug/l	98
20) Methylene Chloride	2.85	84	54416	21.625	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	49166	19.468	ug/l	94
22) Diisopropyl ether	3.87	45	175058	20.831	ug/l	91
23) Vinyl Acetate	3.82	43	792793	107.936	ug/l	96
24) 1,1-Dichloroethane	3.70	63	99294	20.617	ug/l	99
25) 2-Butanone	4.71	43	256903	105.164	ug/l #	86
26) 2,2-Dichloropropane	4.59	77	66972	18.593	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	54536	19.870	ug/l	98
28) Bromochloromethane	5.02	49	45424	20.689	ug/l	96
29) Tetrahydrofuran	5.16	42	153724	98.652	ug/l	93
30) Chloroform	5.22	83	88964	19.901	ug/l	98
31) Cyclohexane	5.57	56	75039	18.904	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	76226	19.597	ug/l	100
36) 1,1-Dichloropropene	5.80	75	65880	18.925	ug/l	99
37) Ethyl Acetate	4.85	43	85356	19.066	ug/l	99
38) Carbon Tetrachloride	5.77	117	67309	19.243	ug/l	91

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VX1019WBSD01

Quant Time: Oct 20 05:09:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	71191	18.896	ug/l	96
40) Benzene	6.14	78	207872	19.906	ug/l	97
41) Methacrylonitrile	5.06	41	48512	20.213	ug/l	97
42) 1,2-Dichloroethane	6.20	62	72773	19.736	ug/l	97
43) Isopropyl Acetate	6.46	43	122481	20.538	ug/l	98
44) Trichloroethene	7.21	130	53940	19.855	ug/l	93
45) 1,2-Dichloropropane	7.52	63	52922	20.660	ug/l	96
46) Dibromomethane	7.66	93	33626	19.889	ug/l	96
47) Bromodichloromethane	7.90	83	65141	20.830	ug/l	97
48) Methyl methacrylate	7.77	41	62915	20.341	ug/l	95
49) 1,4-Dioxane	7.75	88	25690	360.111	ug/l	95
51) 4-Methyl-2-Pentanone	8.65	43	428687	103.818	ug/l	96
52) Toluene	8.79	92	121859	21.330	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	69617	20.570	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	77489	21.131	ug/l	98
55) 1,1,2-Trichloroethane	9.22	97	51848	21.427	ug/l	98
56) Ethyl methacrylate	9.18	69	76149	21.587	ug/l	97
57) 1,3-Dichloropropane	9.37	76	85370	21.137	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	217099	109.738	ug/l	96
59) 2-Hexanone	9.49	43	334339	100.657	ug/l	94
60) Dibromochloromethane	9.59	129	53498	21.388	ug/l	99
61) 1,2-Dibromoethane	9.67	107	53483	21.060	ug/l	99
64) Tetrachloroethene	9.34	164	53086	19.864	ug/l	96
65) Chlorobenzene	10.14	112	138966	19.680	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	50884	20.222	ug/l	99
67) Ethyl Benzene	10.25	91	226858	19.763	ug/l	96
68) m/p-Xylenes	10.36	106	180511	40.515	ug/l	97
69) o-Xylene	10.70	106	85570	19.914	ug/l	97
70) Styrene	10.71	104	144235	20.408	ug/l	98
71) Bromoform	10.86	173	43774	19.467	ug/l #	99
73) Isopropylbenzene	11.02	105	235488	21.509	ug/l	100
74) N-amyl acetate	10.90	43	105684	20.014	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	82380	19.947	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	77825m	21.785	ug/l	
77) Bromobenzene	11.26	156	64475	20.596	ug/l	100
78) n-propylbenzene	11.36	91	265974	21.111	ug/l	100
79) 2-Chlorotoluene	11.42	91	162048	21.002	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	200341	21.369	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	22440	19.086	ug/l	99
82) 4-Chlorotoluene	11.51	91	187976	20.552	ug/l	99
83) tert-Butylbenzene	11.77	119	201677	21.242	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	207559	21.512	ug/l	98
85) sec-Butylbenzene	11.94	105	241027	21.452	ug/l	99
86) p-Isopropyltoluene	12.07	119	216711	21.340	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	118156	20.199	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	120491	20.135	ug/l	99
89) n-Butylbenzene	12.39	91	184210	19.978	ug/l	98
90) Hexachloroethane	12.60	117	34577	19.757	ug/l	92
91) 1,2-Dichlorobenzene	12.39	146	119570	20.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19320	19.178	ug/l	100

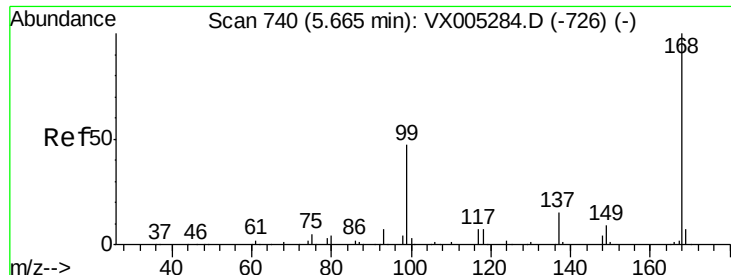
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101918\
Data File : VX005456.D
Acq On : 19 Oct 2018 14:19
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Sample : VX1019WBSD01
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Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

Quant Time: Oct 20 05:09:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	90523	20.670	ug/l	98
94) Hexachlorobutadiene	13.79	225	46580	20.138	ug/l	97
95) Naphthalene	13.83	128	271343	21.364	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	92496	20.641	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

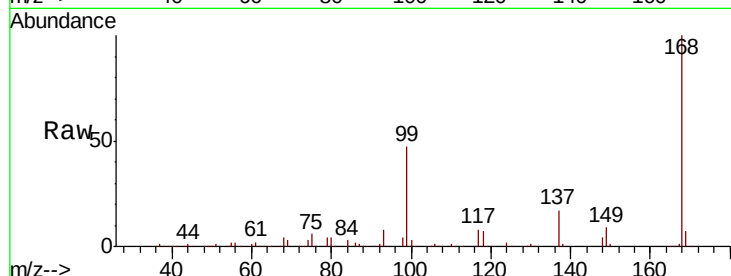
VX1019WBSD01

Tot Ion:168 Resp: 260191

Ion Ratio Lower Upper

168 100

99 46.6 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

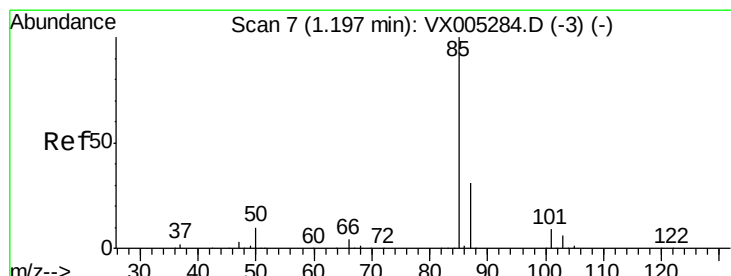
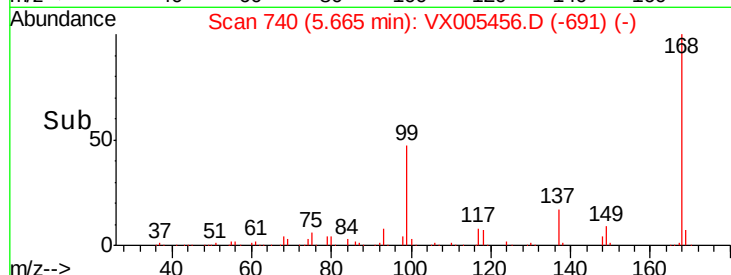
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 19.086 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005456.D

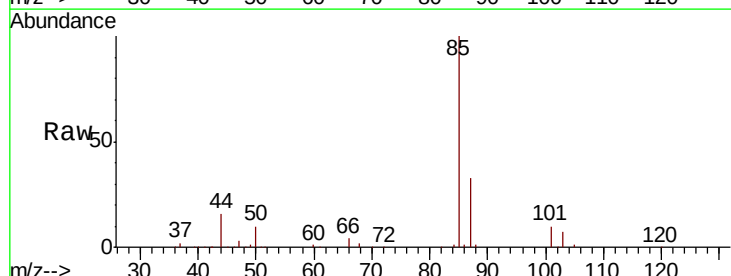
Acq: 19 Oct 2018 14:19

Tgt Ion: 85 Resp: 38827

Ion Ratio Lower Upper

85 100

87 32.5 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

40000

30000

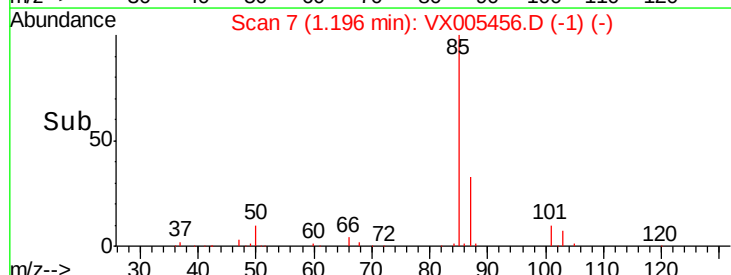
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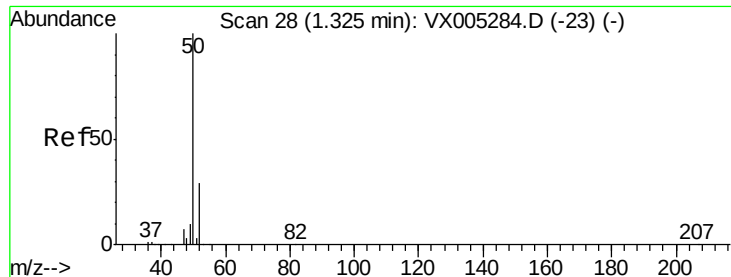
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 19.714 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

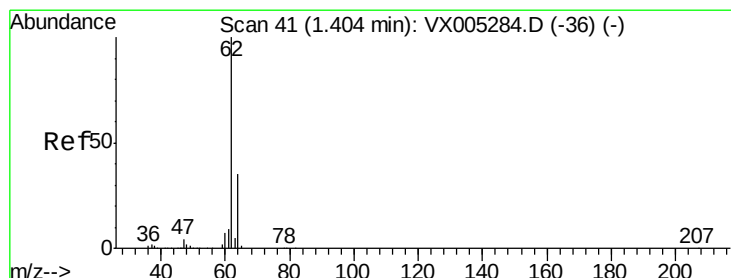
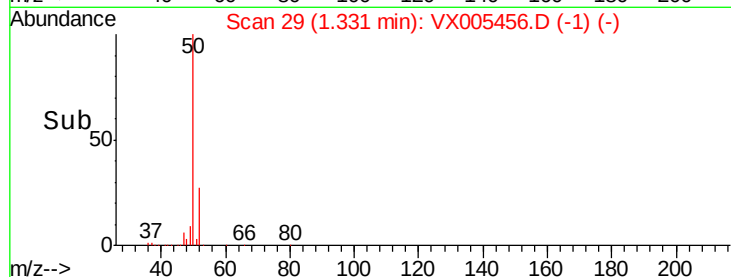
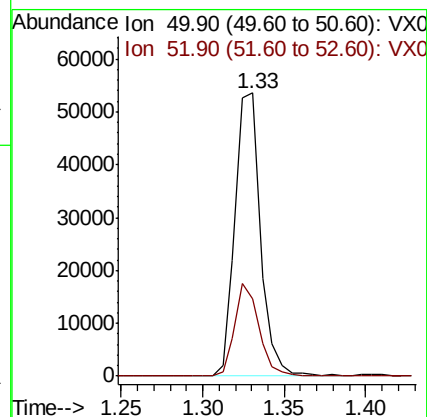
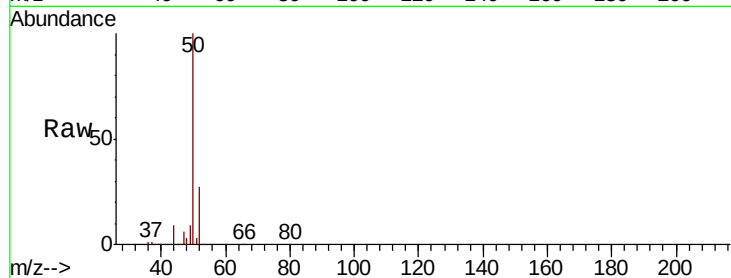
VX1019WBSD01

Tot Ion: 50 Resp: 58112

Ion Ratio Lower Upper

50 100

52 27.2 26.2 39.2



#4

Vinyl Chloride

Concen: 18.389 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005456.D

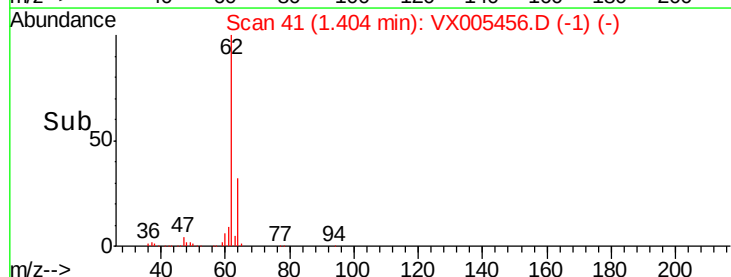
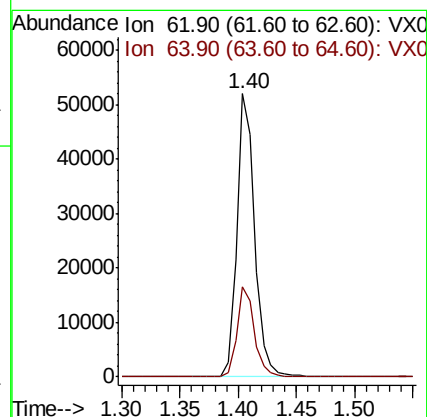
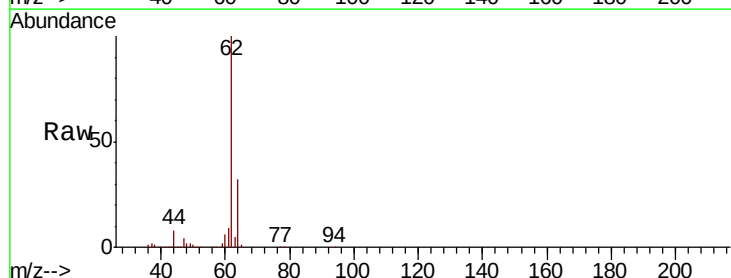
Acq: 19 Oct 2018 14:19

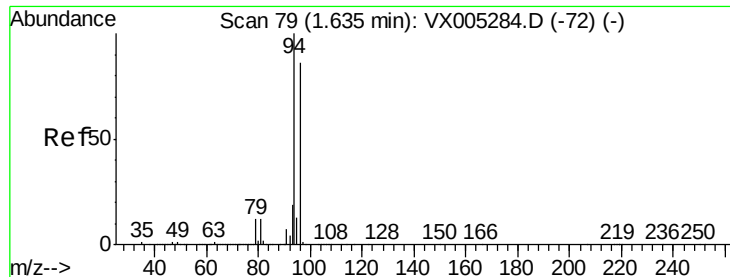
Tgt Ion: 62 Resp: 54913

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 18.611 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

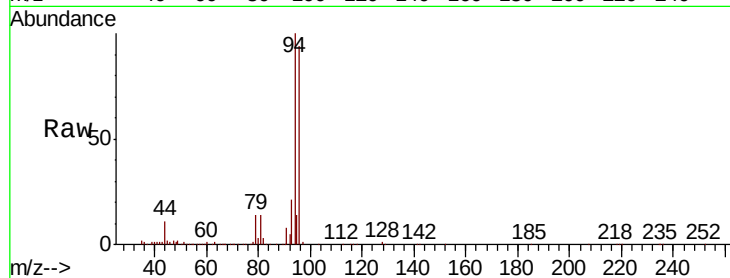
VX1019WBSD01

Tot Ion: 94 Resp: 30762

Ion Ratio Lower Upper

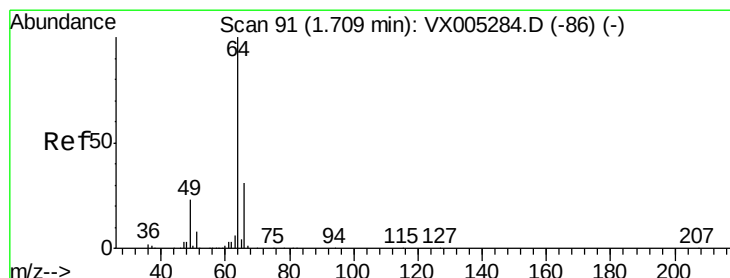
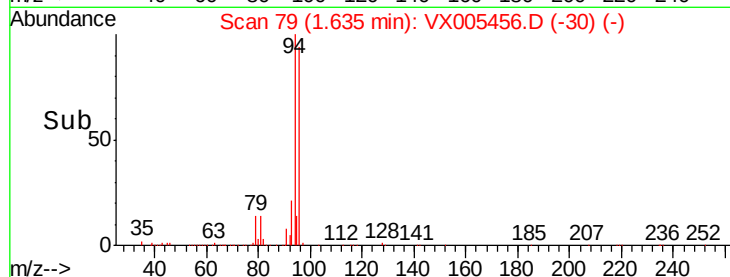
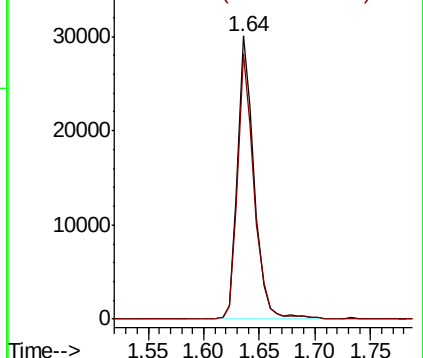
94 100

96 94.0 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.939 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005456.D

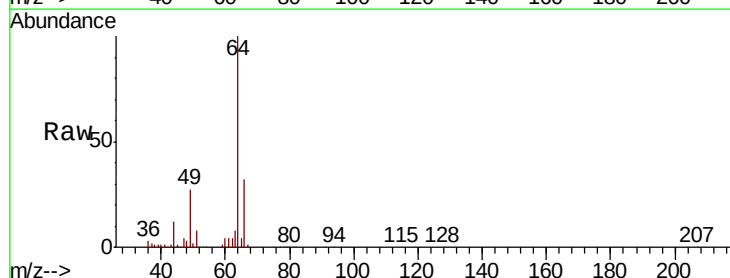
Acq: 19 Oct 2018 14:19

Tgt Ion: 64 Resp: 35123

Ion Ratio Lower Upper

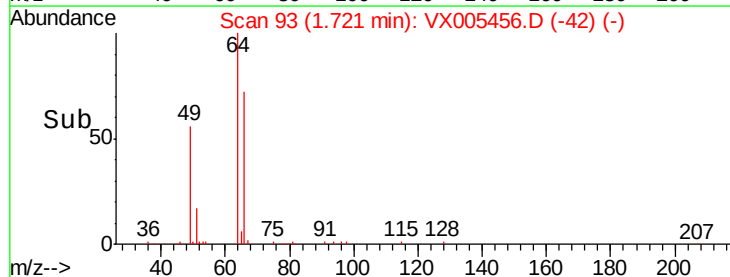
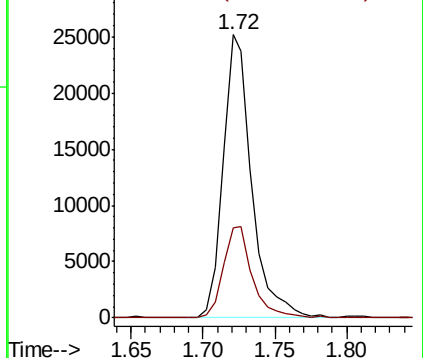
64 100

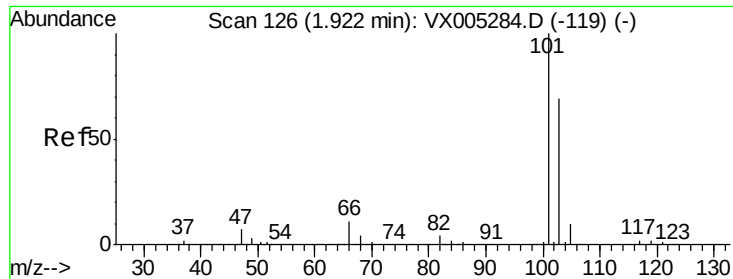
66 31.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



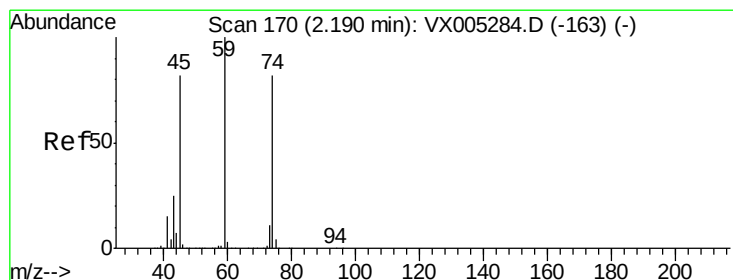
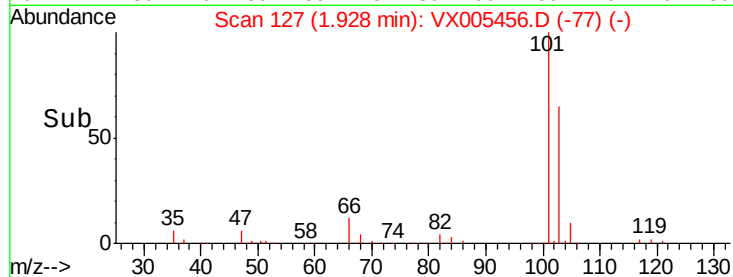
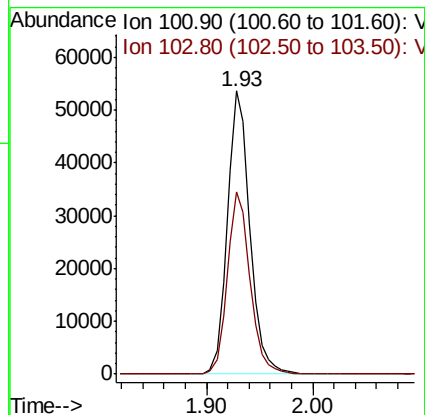
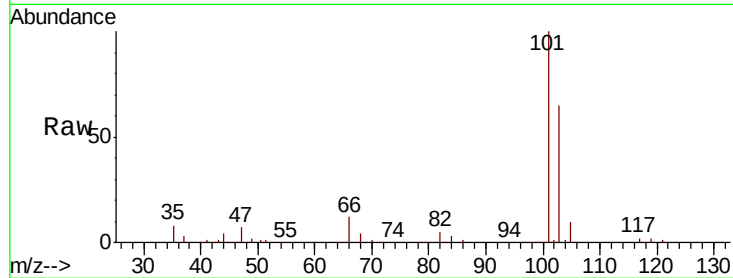


#7

Trichlorofluoromethane
 Concen: 19.911 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

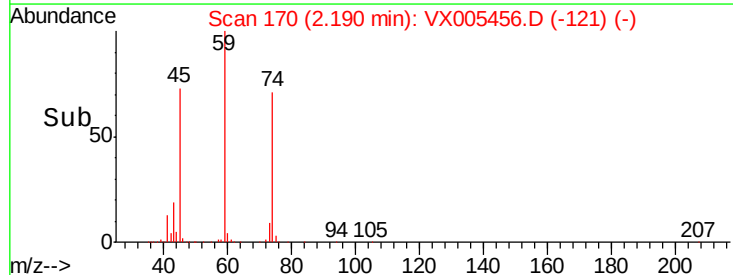
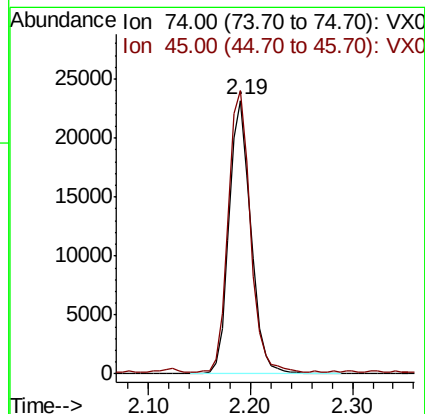
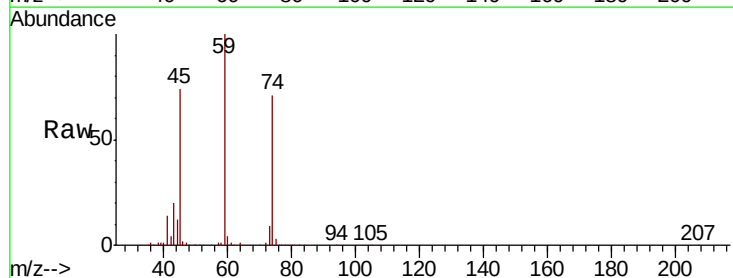
Tot Ion:101 Resp: 79343
 Ion Ratio Lower Upper
 101 100
 103 64.5 48.9 73.3

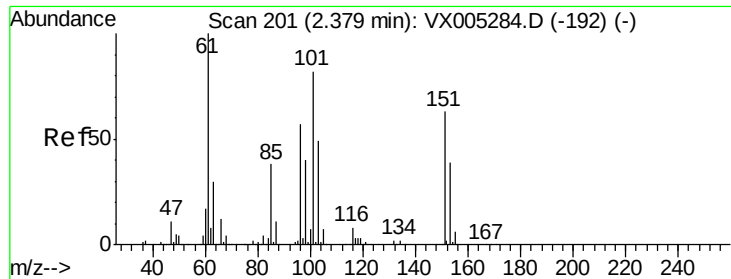


#8

Diethyl Ether
 Concen: 20.120 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion: 74 Resp: 34238
 Ion Ratio Lower Upper
 74 100
 45 104.1 48.3 144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.186 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1019WBSD01

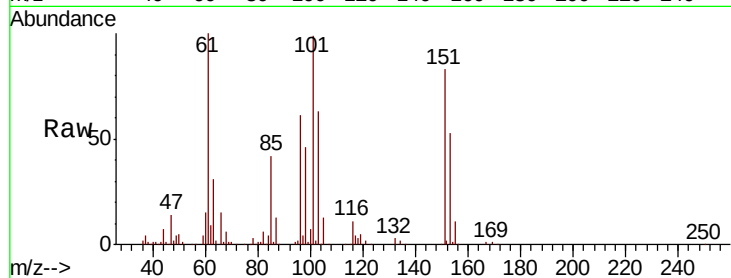
Tot Ion:101 Resp: 48727

Ion Ratio Lower Upper

101 100

85 41.5 34.2 51.4

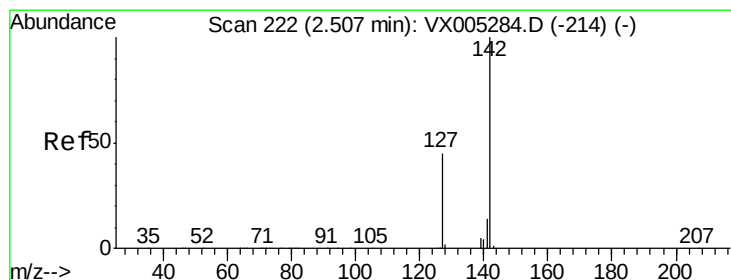
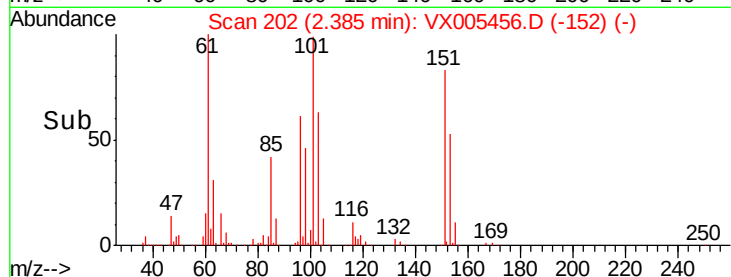
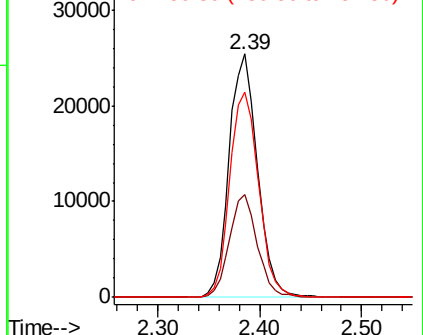
151 86.0 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.828 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

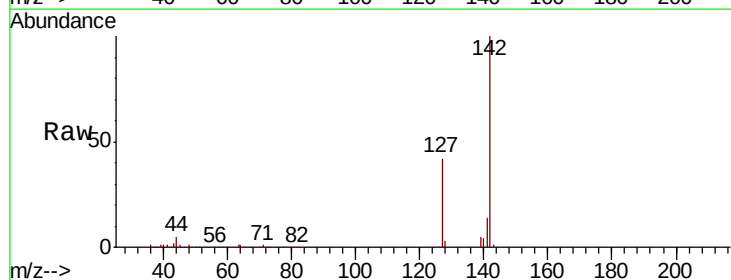
Tgt Ion:142 Resp: 53981

Ion Ratio Lower Upper

142 100

127 42.5 33.8 50.6

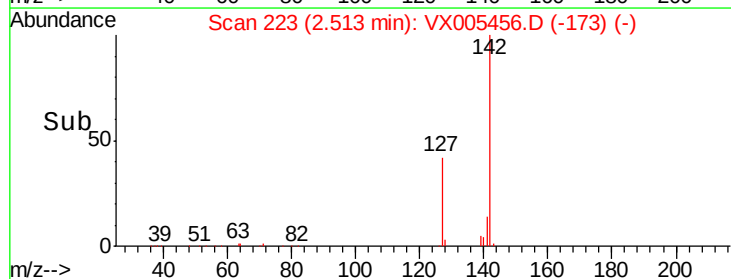
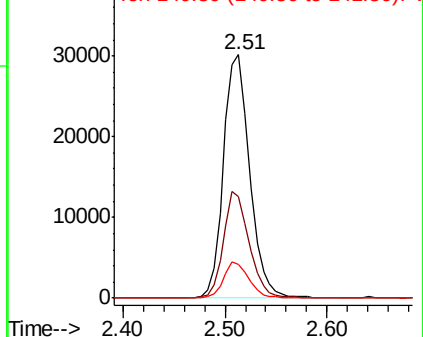
141 14.3 11.4 17.0

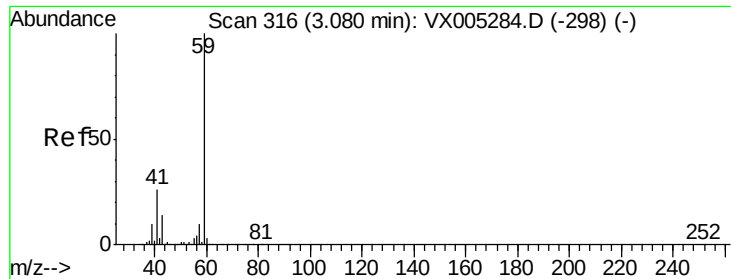


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



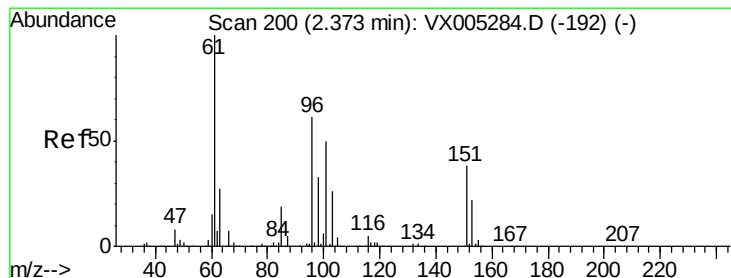
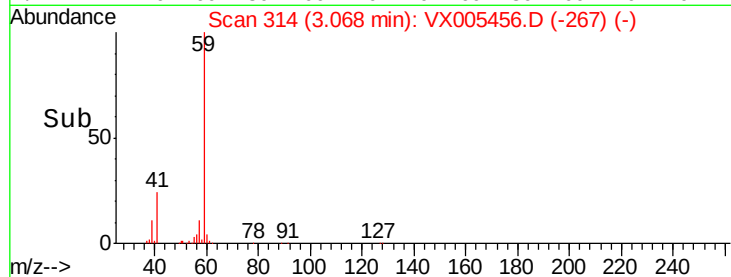
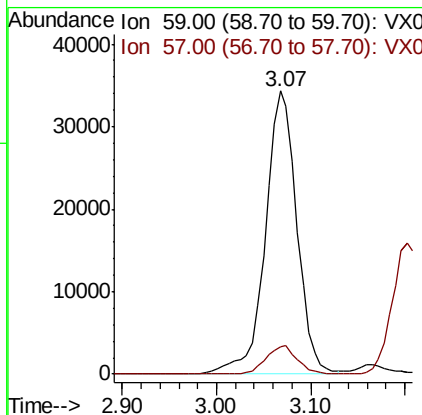
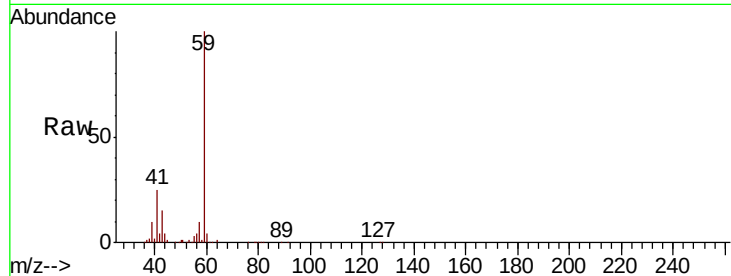


#11

Tert butyl alcohol
 Concen: 98.673 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

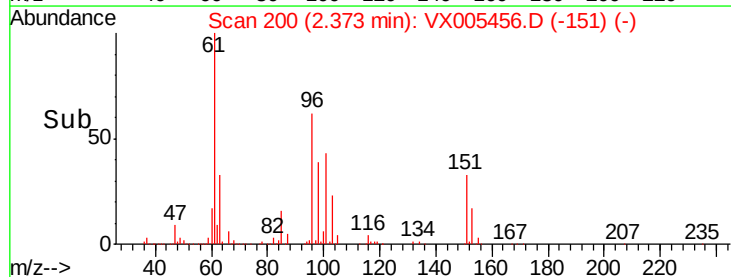
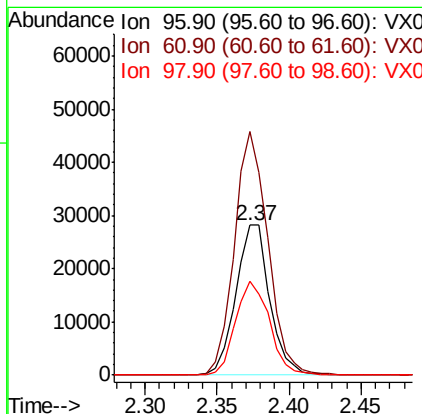
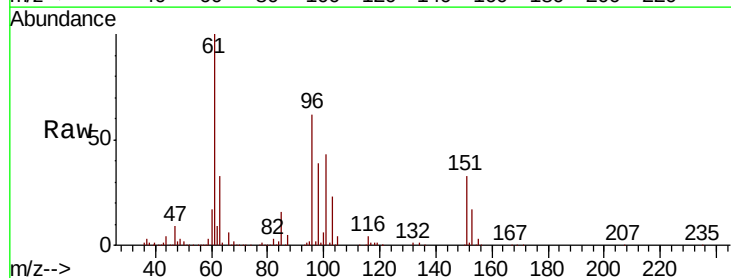
Tot Ion: 59 Resp: 80377
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.4

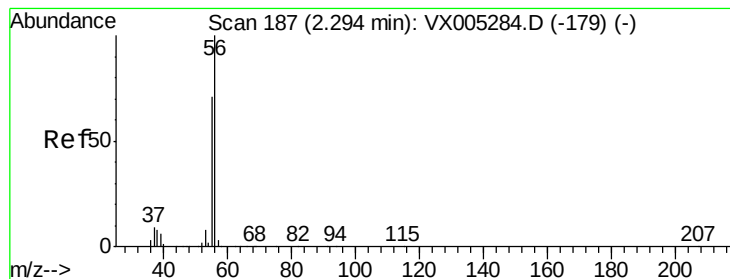


#12

1,1-Dichloroethene
 Concen: 20.308 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion: 96 Resp: 46278
 Ion Ratio Lower Upper
 96 100
 61 162.3 128.8 193.2
 98 62.5 52.2 78.2





#13

Acrolein

Concen: 59.818 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

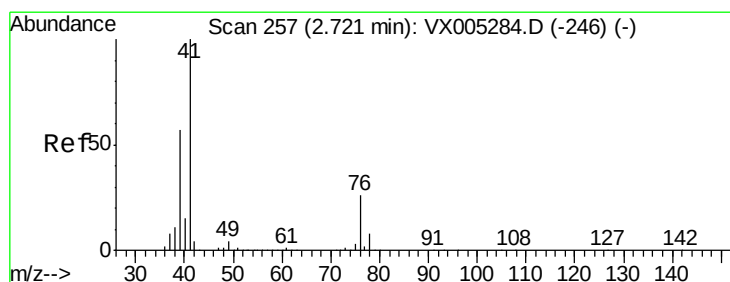
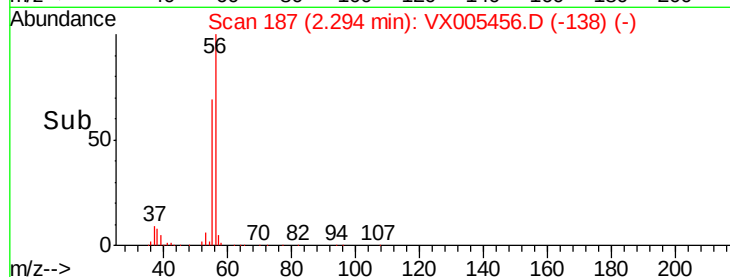
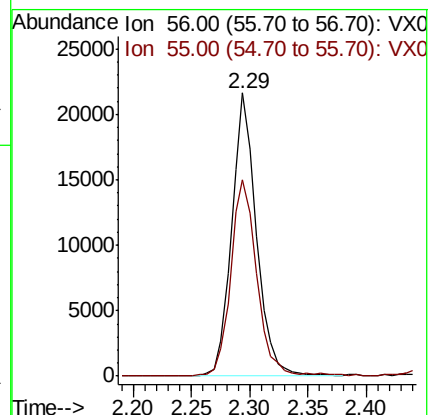
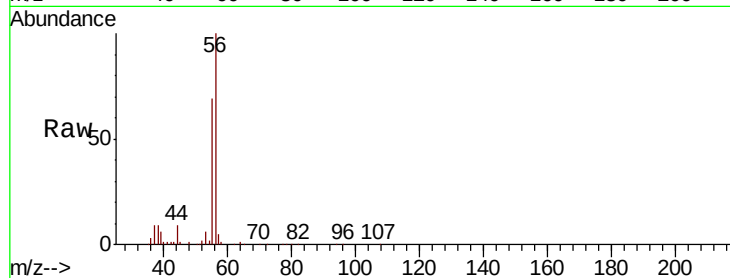
VX1019WBSD01

Tot Ion: 56 Resp: 31949

Ion Ratio Lower Upper

56 100

55 73.7 54.7 82.1



#14

Allyl chloride

Concen: 19.876 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

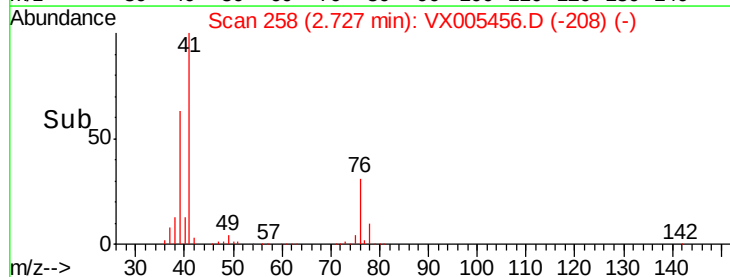
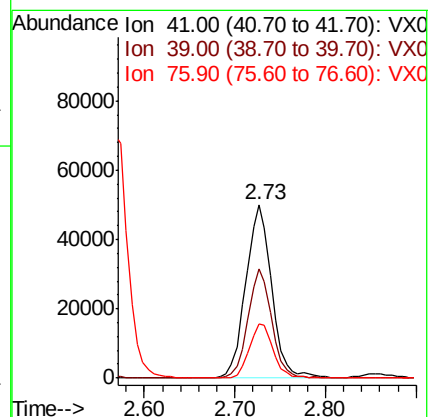
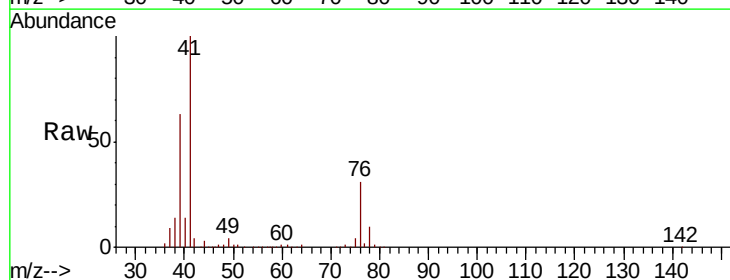
Tgt Ion: 41 Resp: 99444

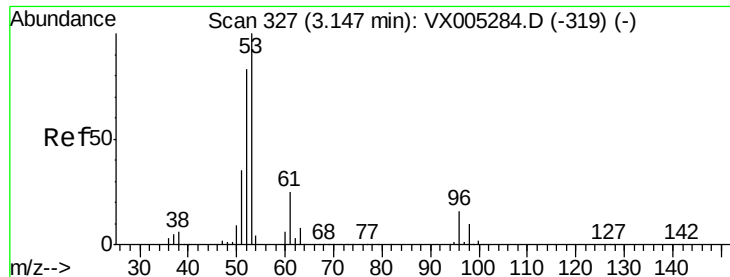
Ion Ratio Lower Upper

41 100

39 56.8 48.9 73.3

76 28.5 26.7 40.1





#15

Acrylonitrile

Concen: 100.768 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1019WBSD01

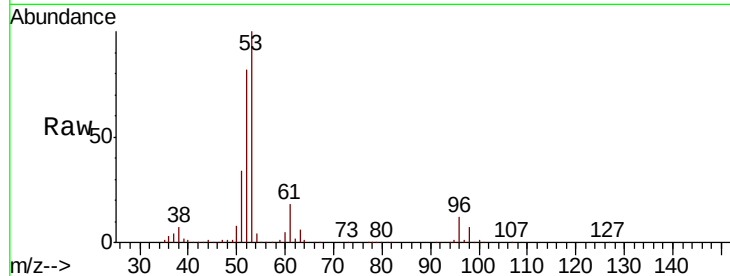
Tot Ion: 53 Resp: 186007

Ion Ratio Lower Upper

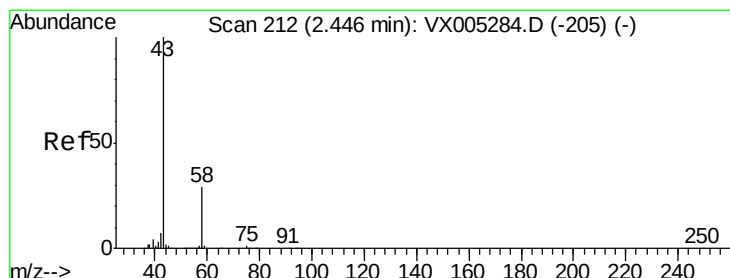
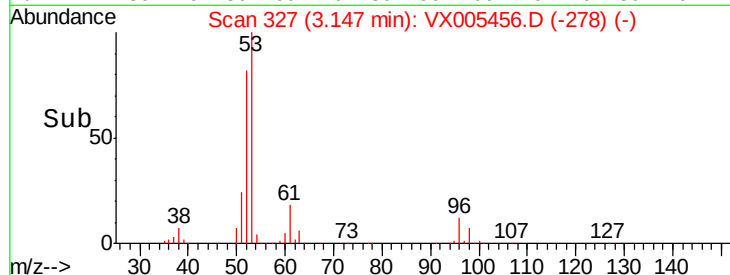
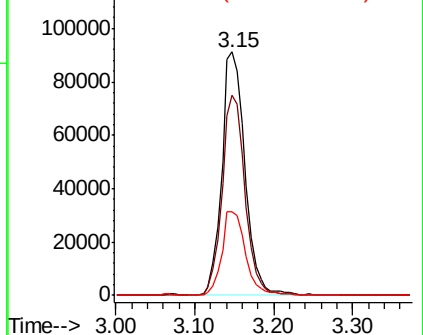
53 100

52 81.2 65.2 97.8

51 35.5 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: 99.238 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005456.D

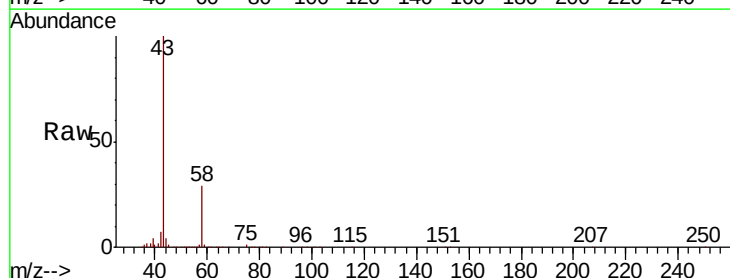
Acq: 19 Oct 2018 14:19

Tgt Ion: 43 Resp: 165692

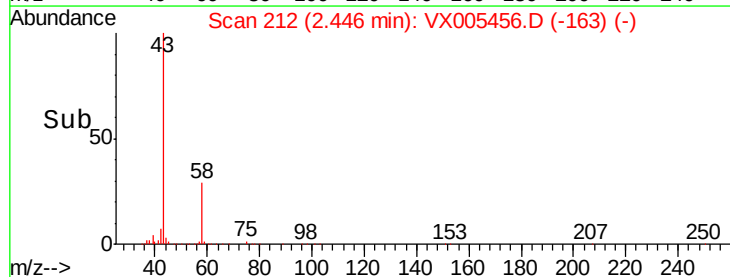
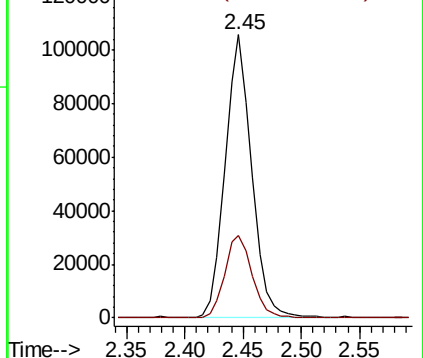
Ion Ratio Lower Upper

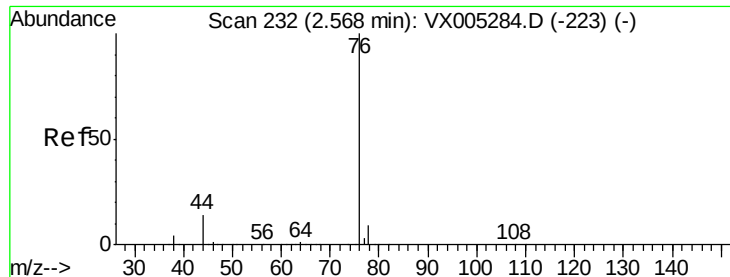
43 100

58 29.2 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: 17.121 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

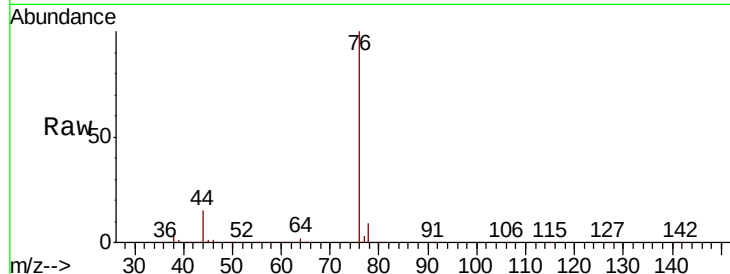
VX1019WBSD01

Tot Ion: 76 Resp: 118191

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX005284.D (-223) (-)

Ion 77.90 (77.60 to 78.60): VX005284.D (-223) (-)

2.57

80000

60000

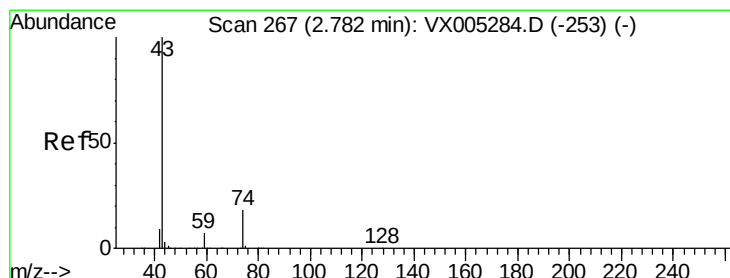
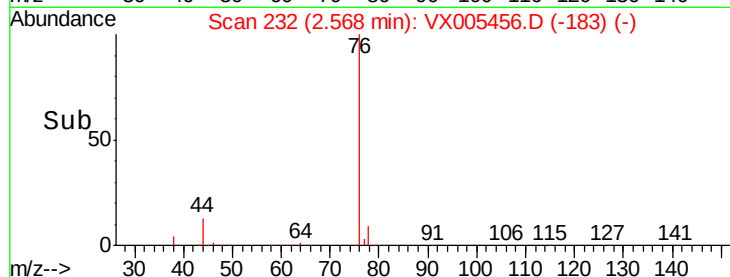
40000

20000

0

Time-->

2.50 2.55 2.60 2.65 2.70



#18

Methyl Acetate

Concen: 22.430 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005456.D

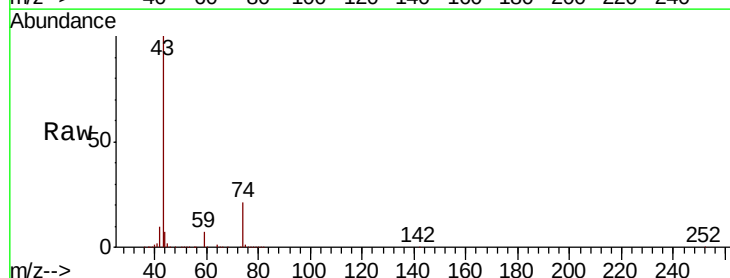
Acq: 19 Oct 2018 14:19

Tgt Ion: 43 Resp: 106543

Ion Ratio Lower Upper

43 100

74 21.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-253) (-)

Ion 74.00 (73.70 to 74.70): VX005284.D (-253) (-)

2.78

60000

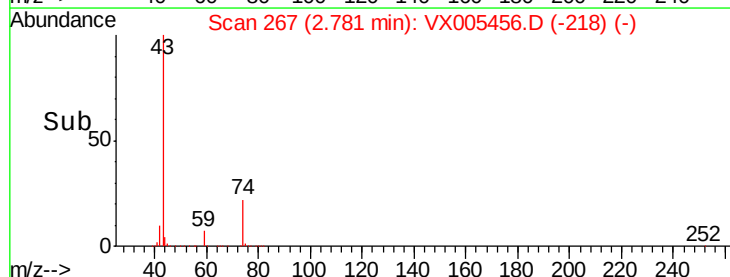
40000

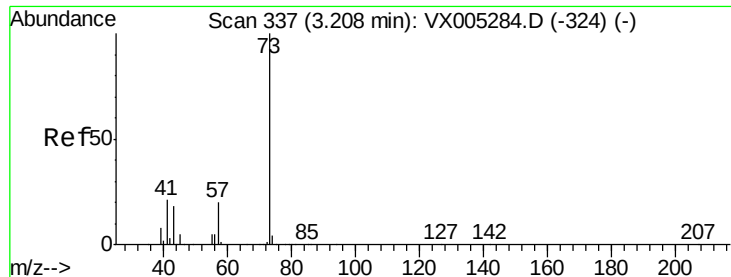
20000

0

Time-->

2.70 2.75 2.80 2.85



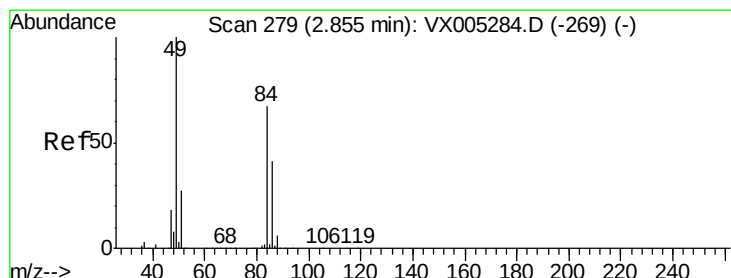
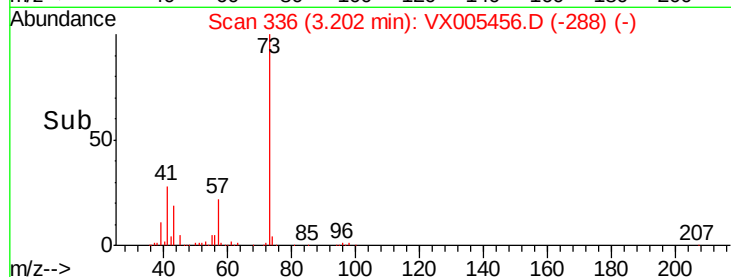
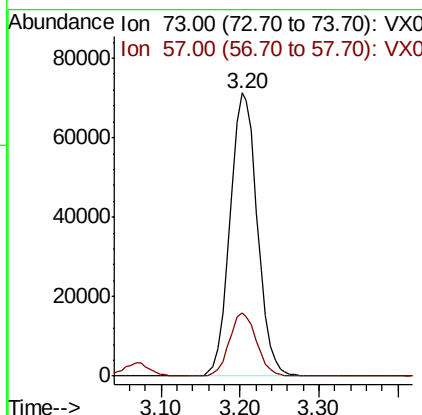
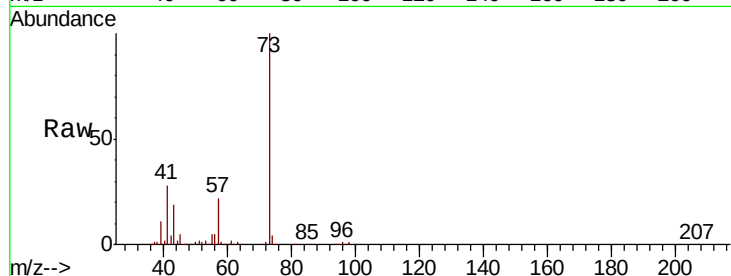


#19

Methyl tert-butyl Ether
 Concen: 21.338 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

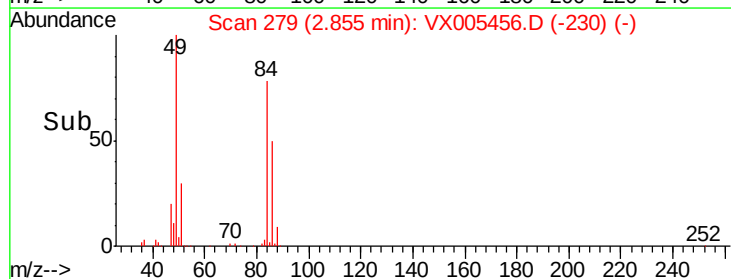
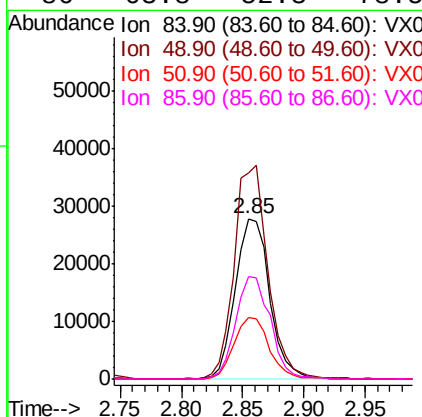
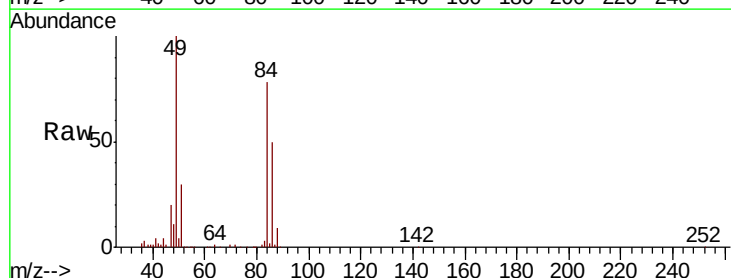
Tot Ion: 73 Resp: 171260
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.1 25.7

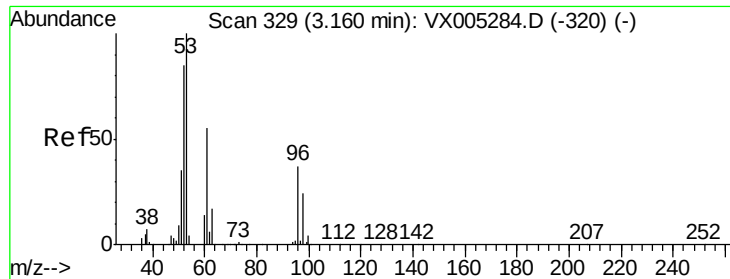


#20

Methylene Chloride
 Concen: 21.625 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion: 84 Resp: 54416
 Ion Ratio Lower Upper
 84 100
 49 128.2 101.2 151.8
 51 38.3 29.5 44.3
 86 63.8 52.3 78.5

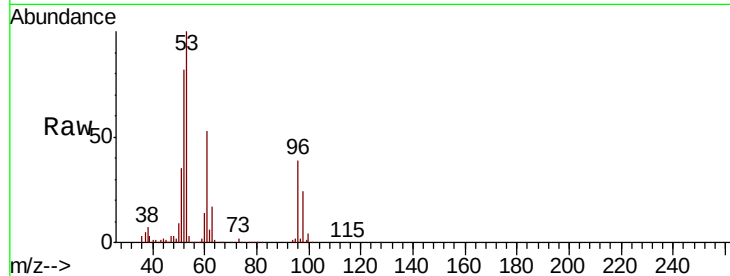




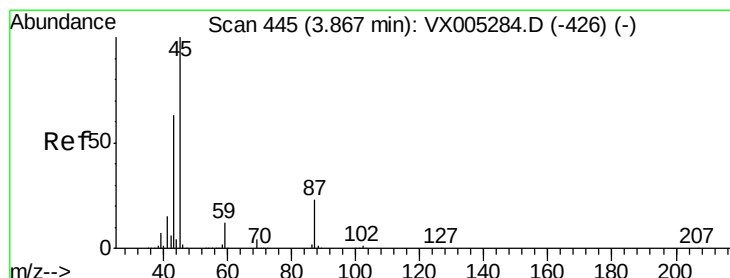
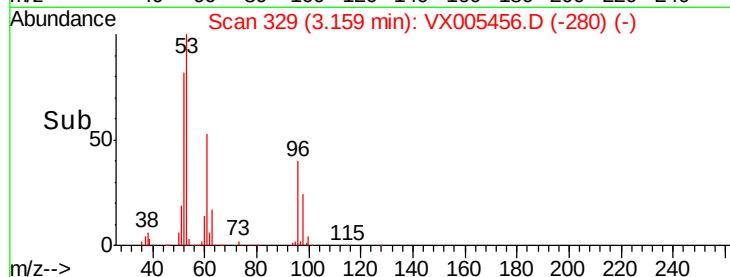
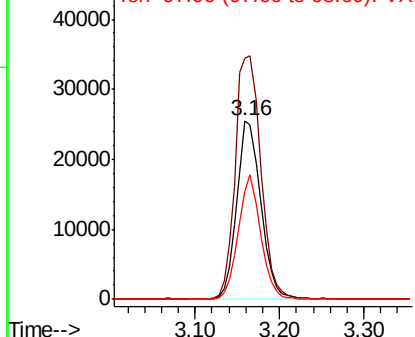
#21
trans-1,2-Dichloroethene
Concen: 19.468 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

Tot Ion: 96 Resp: 49166
Ion Ratio Lower Upper
96 100
61 135.3 113.8 170.6
98 60.3 51.8 77.8

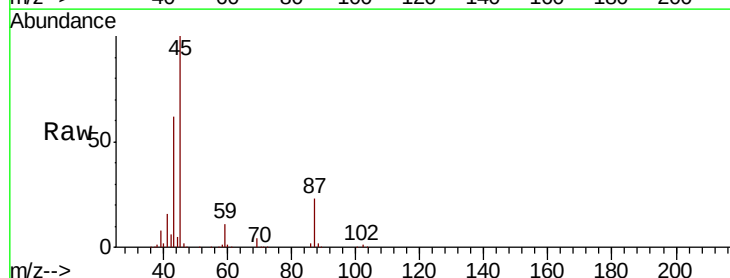


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

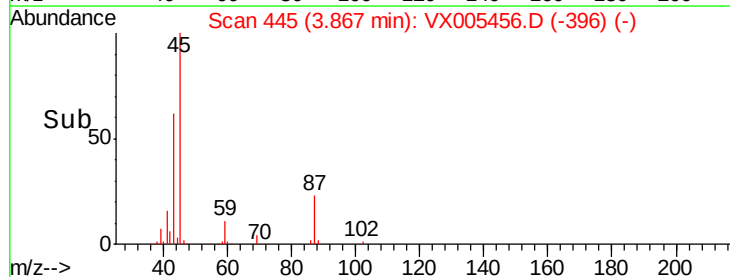
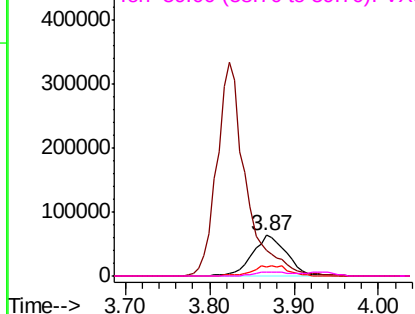


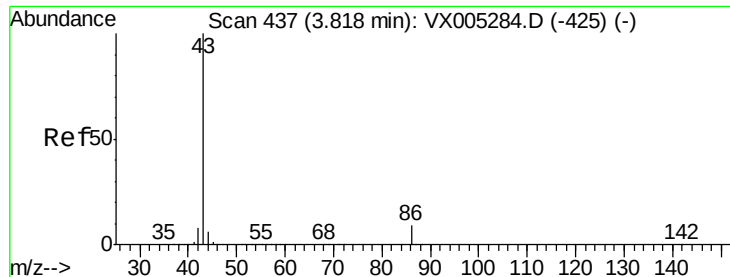
#22
Diisopropyl ether
Concen: 20.831 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion: 45 Resp: 175058
Ion Ratio Lower Upper
45 100
43 60.3 42.8 64.2
87 22.8 22.6 34.0
59 10.9 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: 107.936 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

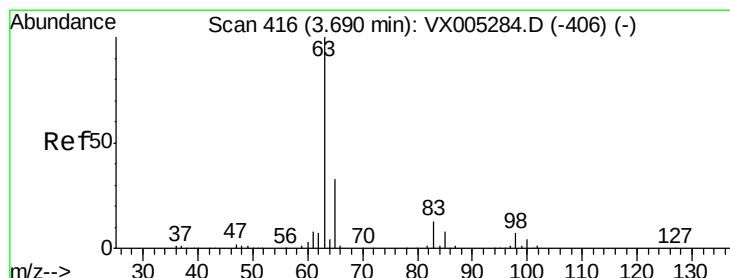
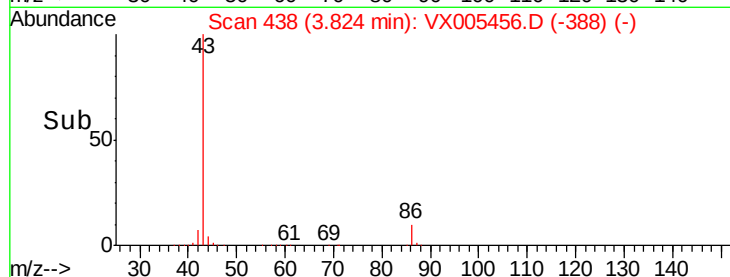
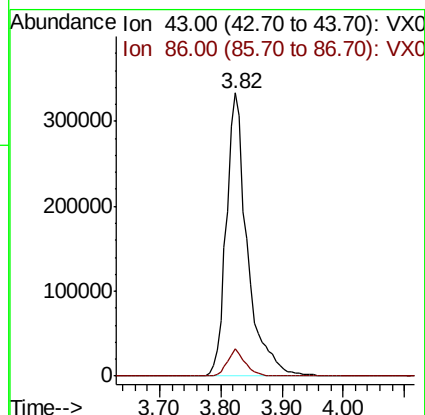
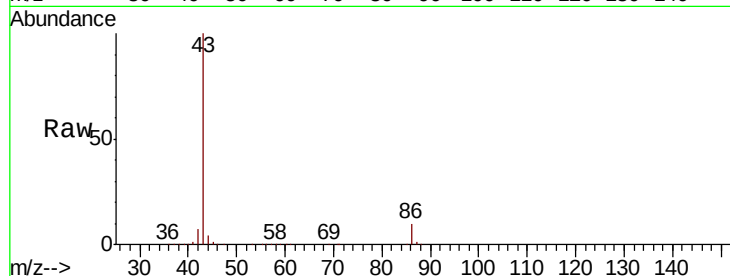
VX1019WBSD01

Tot Ion: 43 Resp: 792793

Ion Ratio Lower Upper

43 100

86 9.7 8.9 13.3



#24

1,1-Dichloroethane

Concen: 20.617 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

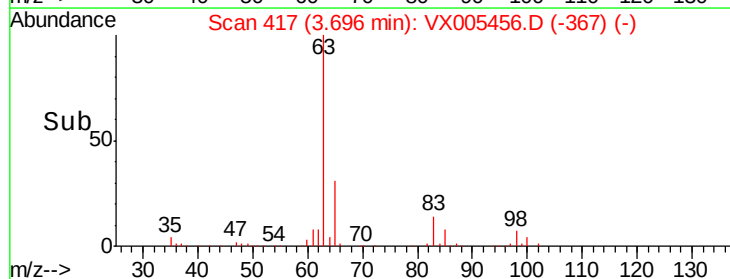
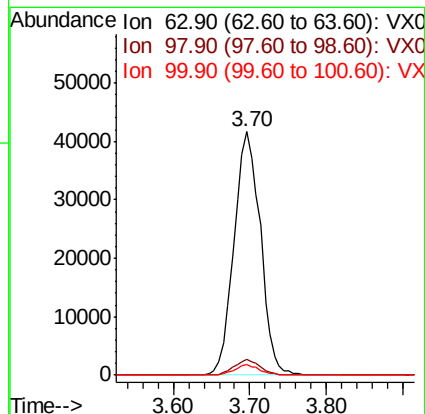
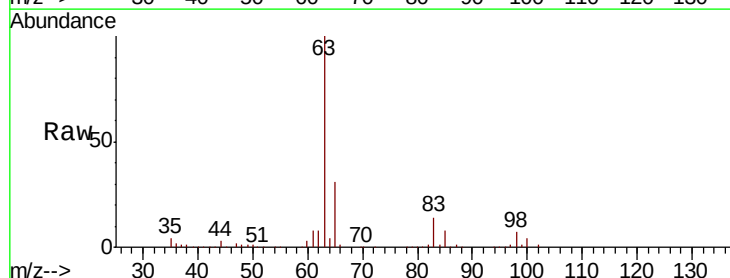
Tgt Ion: 63 Resp: 99294

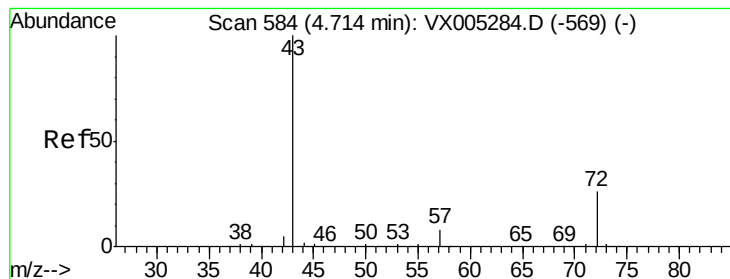
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.4 2.4 7.1





#25

2-Butanone

Concen: 105.164 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

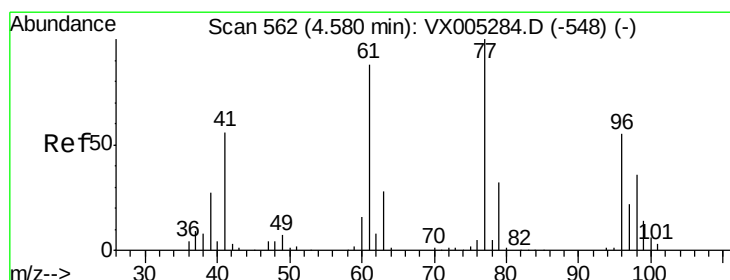
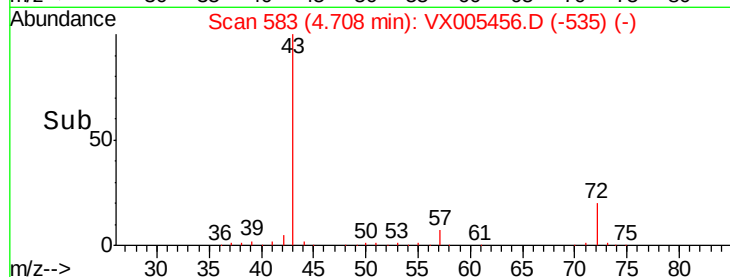
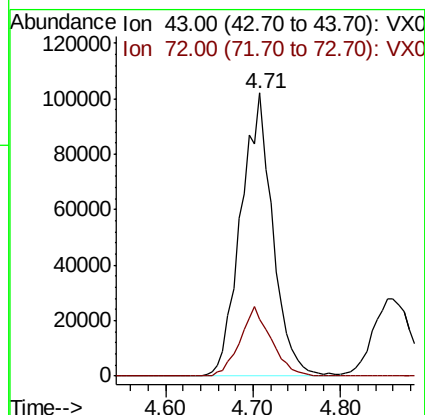
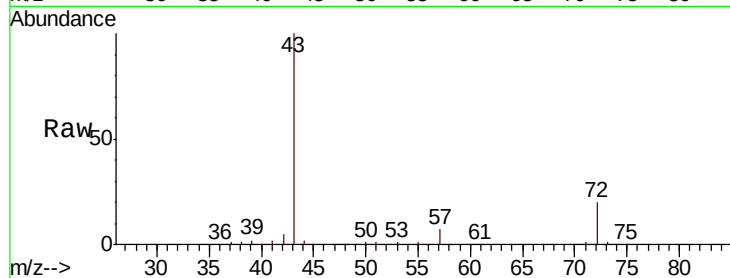
VX1019WBSD01

Tot Ion: 43 Resp: 256903

Ion Ratio Lower Upper

43 100

72 20.0 22.0 33.0#



#26

2,2-Dichloropropane

Concen: 18.593 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005456.D

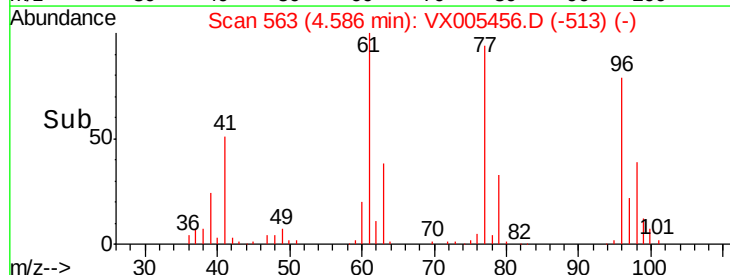
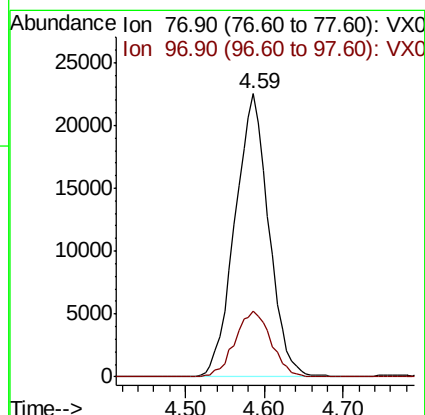
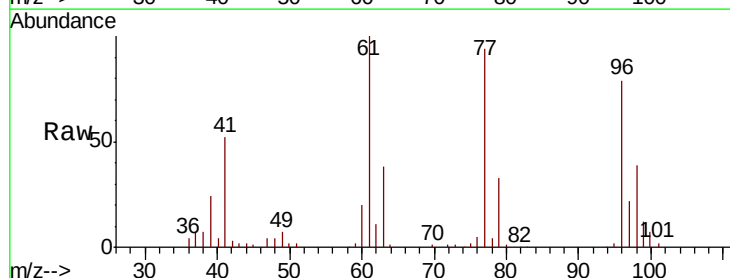
Acq: 19 Oct 2018 14:19

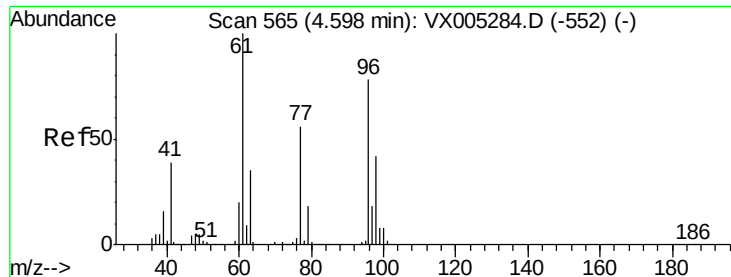
Tgt Ion: 77 Resp: 66972

Ion Ratio Lower Upper

77 100

97 24.8 11.7 35.0



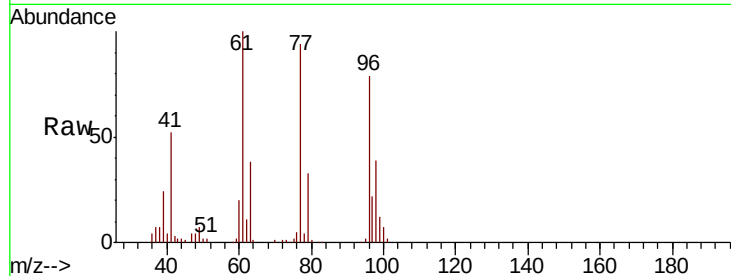


#27

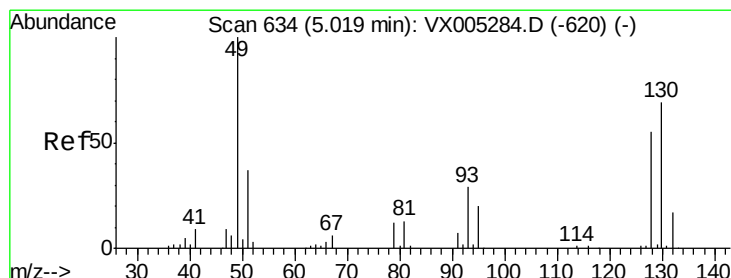
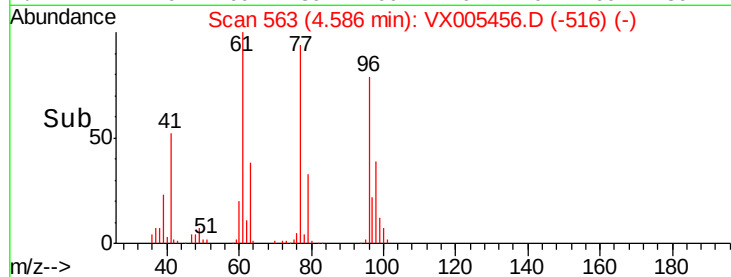
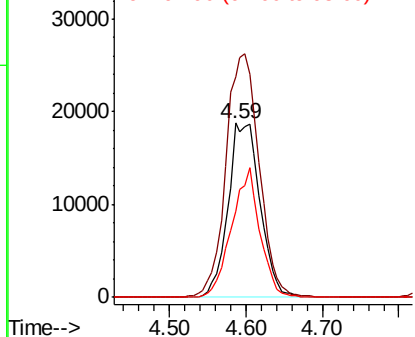
cis-1,2-Dichloroethene
Concen: 19.870 ug/l
RT: 4.59 min Scan# 563
Delta R.T. -0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	282.6
98	65.3	0.0	130.2



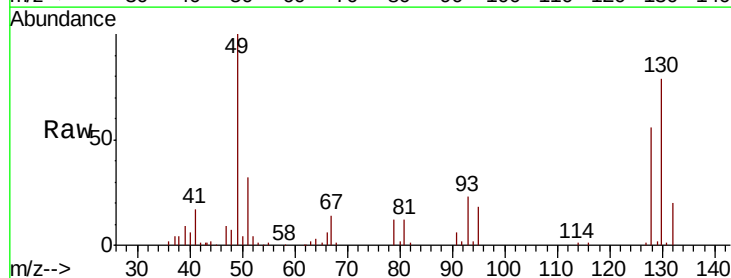
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



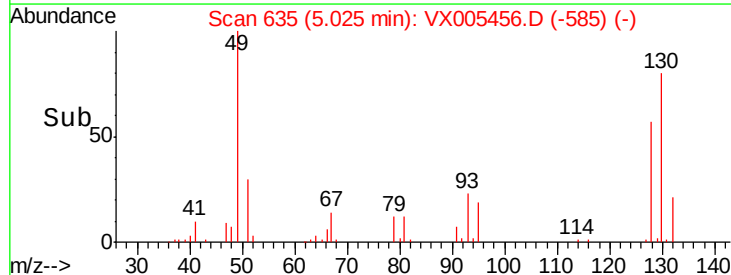
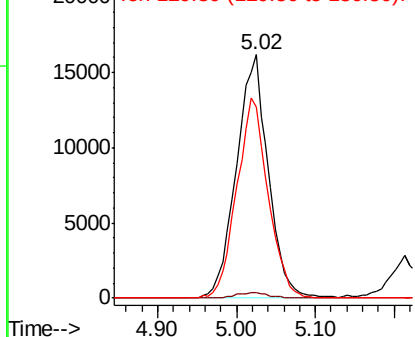
#28

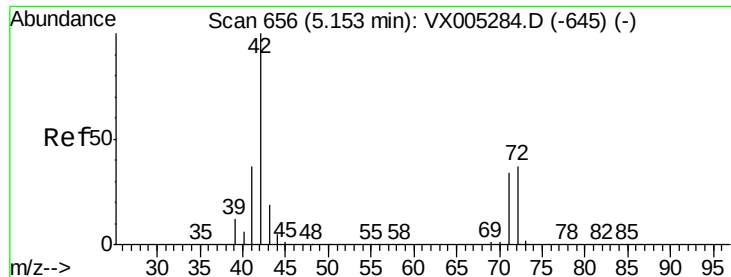
Bromochloromethane
Concen: 20.689 ug/l
RT: 5.02 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	80.8	67.5	101.3



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

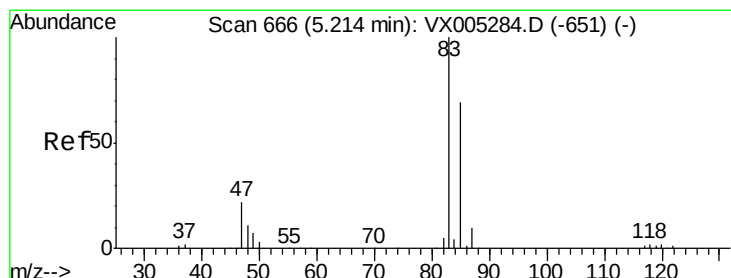
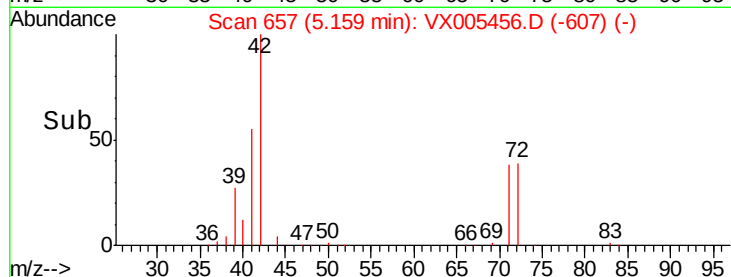
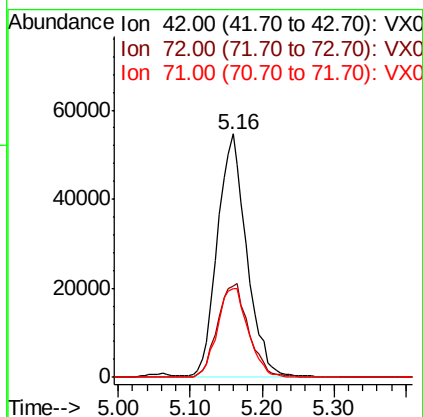
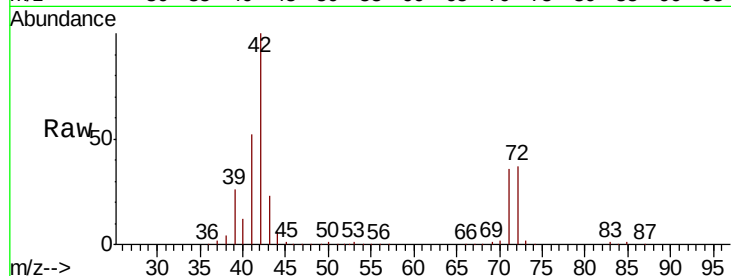




#29
Tetrahydrofuran
Concen: 98.652 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

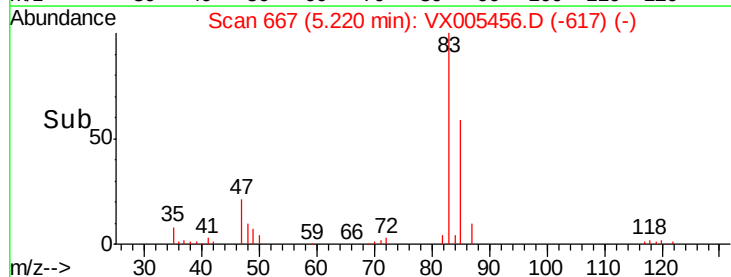
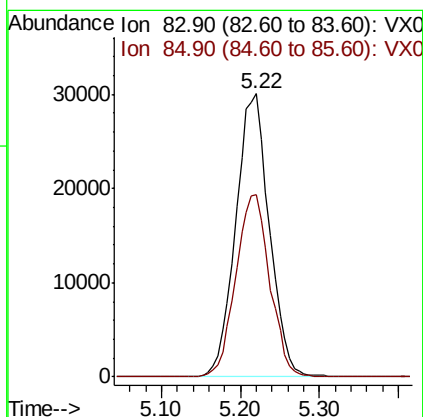
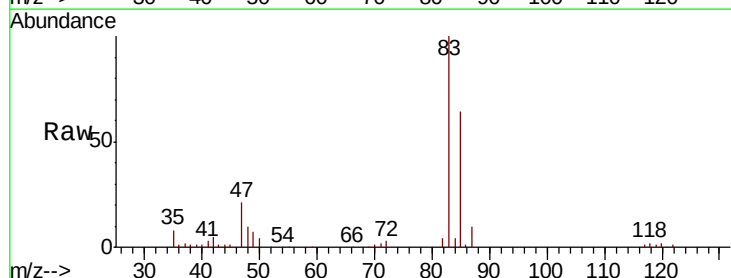
Instrument :
MSVOA_X
ClientSampled :
VX1019WBSD01

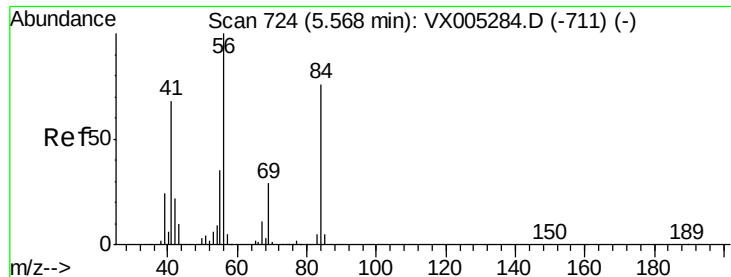
Tot Ion: 42 Resp: 153724
Ion Ratio Lower Upper
42 100
72 41.4 37.4 56.0
71 39.0 34.5 51.7



#30
Chloroform
Concen: 19.901 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion: 83 Resp: 88964
Ion Ratio Lower Upper
83 100
85 64.5 52.6 79.0

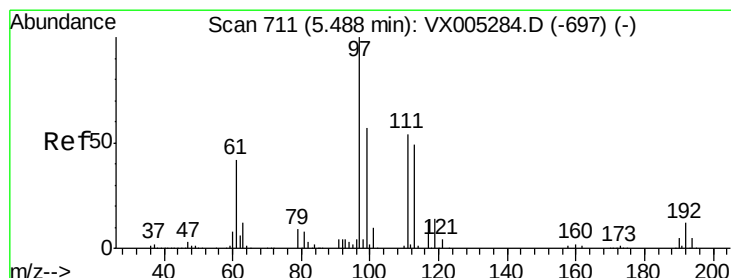
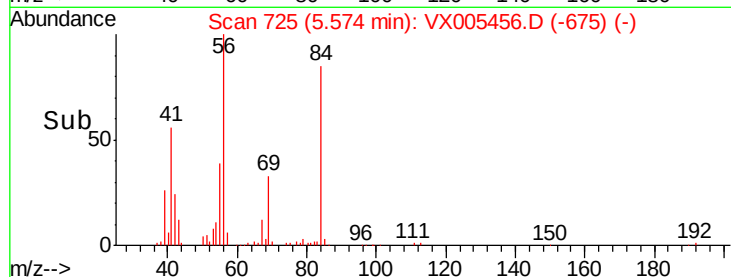
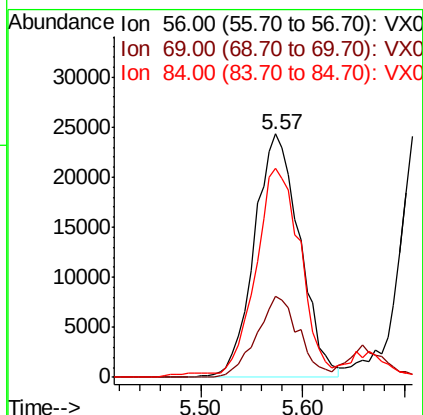
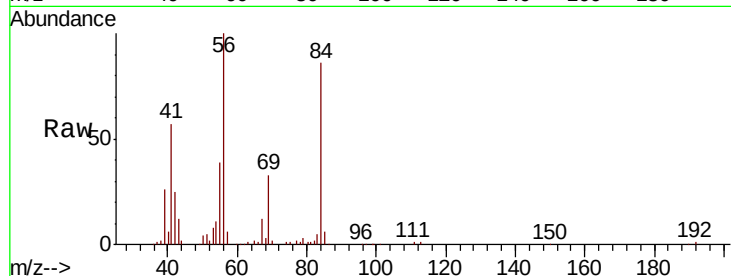




#31
Cyclohexane
Concen: 18.904 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

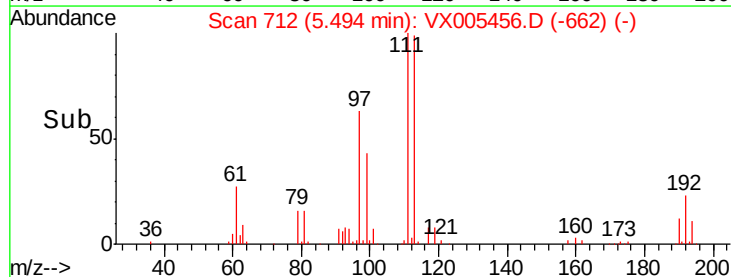
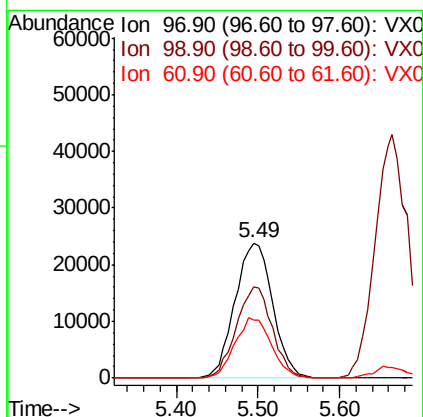
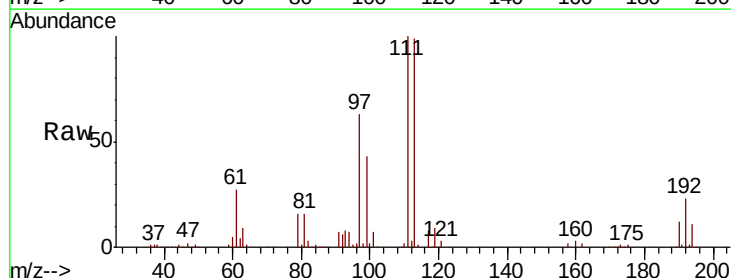
Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

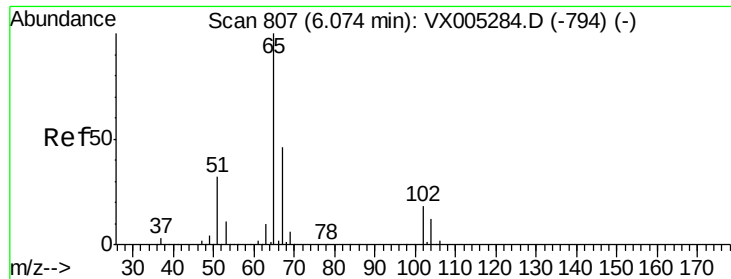
Tot Ion: 56 Resp: 75039
Ion Ratio Lower Upper
56 100
69 33.4 25.4 38.2
84 84.1 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 19.597 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion: 97 Resp: 76226
Ion Ratio Lower Upper
97 100
99 65.0 52.0 78.0
61 43.3 34.9 52.3

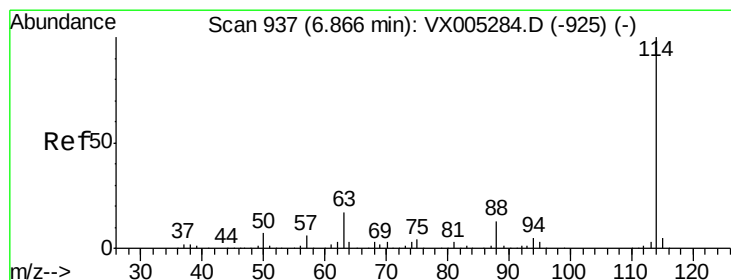
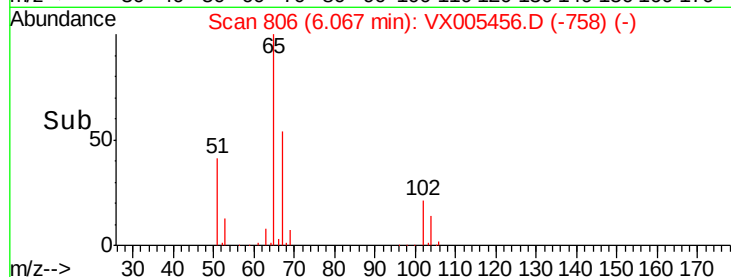
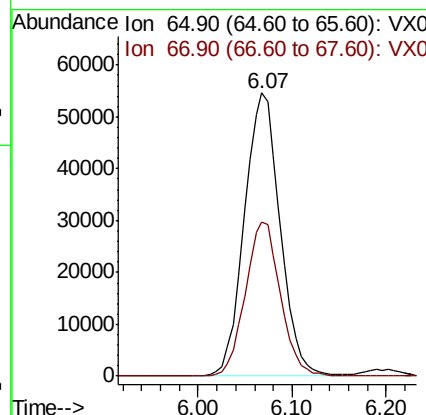
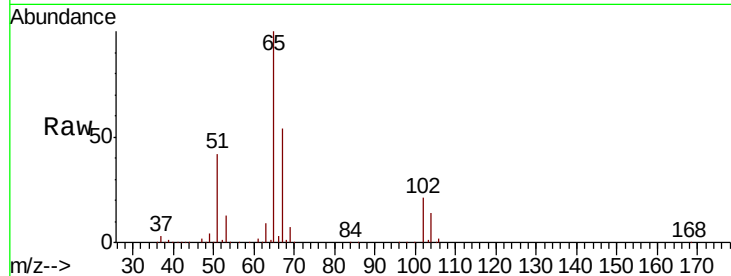




#33
 1,2-Dichloroethane-d4
 Concen: 50.234 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

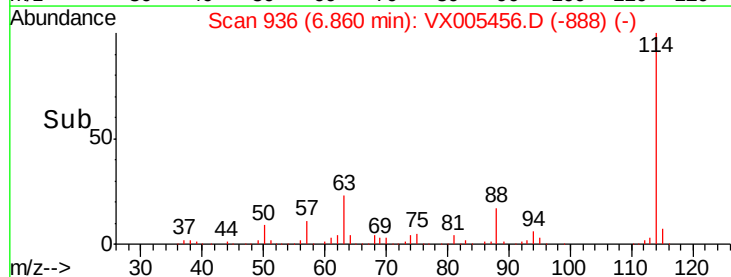
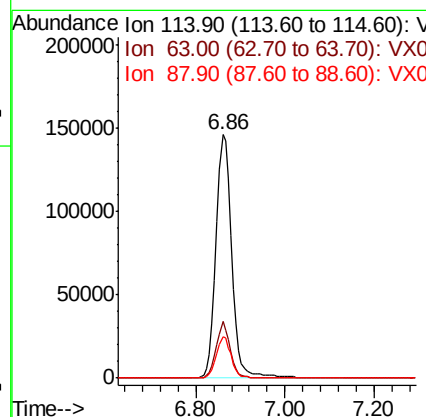
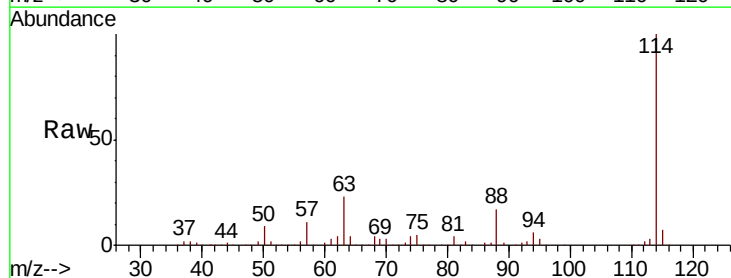
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

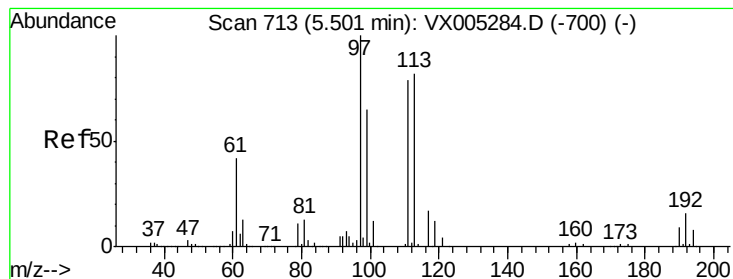
Tot Ion: 65 Resp: 145063
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion: 114 Resp: 359436
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 39.0
 88 16.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.633 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1019WBSD01

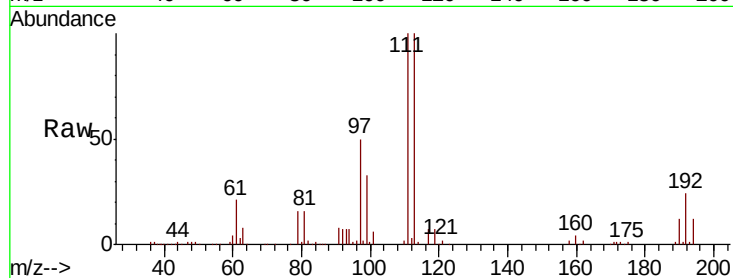
Tot Ion:113 Resp: 118157

Ion Ratio Lower Upper

113 100

111 102.3 82.4 123.6

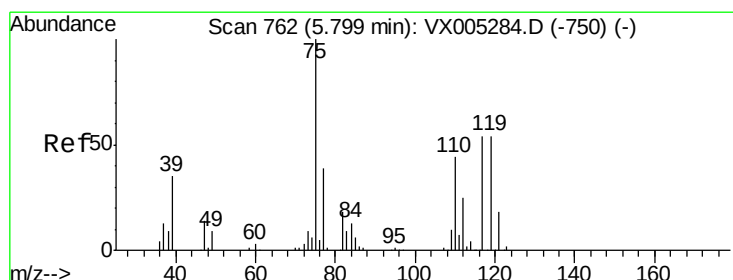
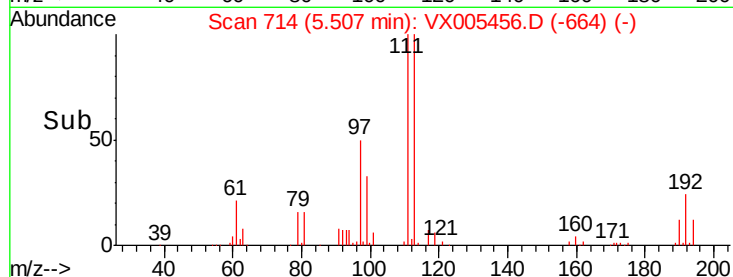
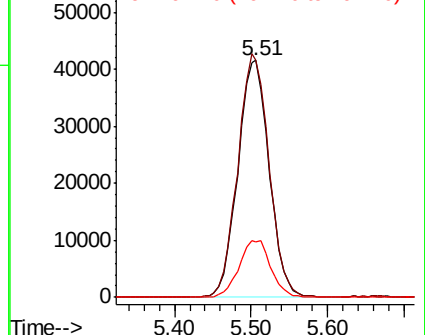
192 24.2 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 18.925 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

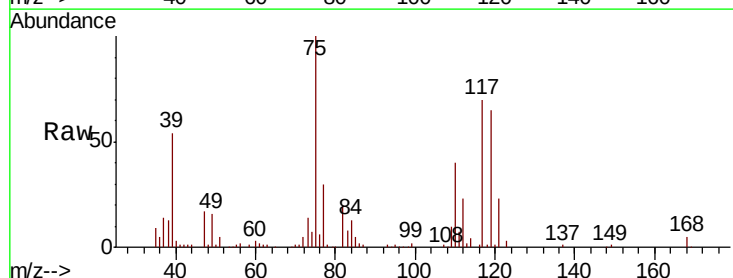
Tgt Ion: 75 Resp: 65880

Ion Ratio Lower Upper

75 100

110 36.6 18.0 54.0

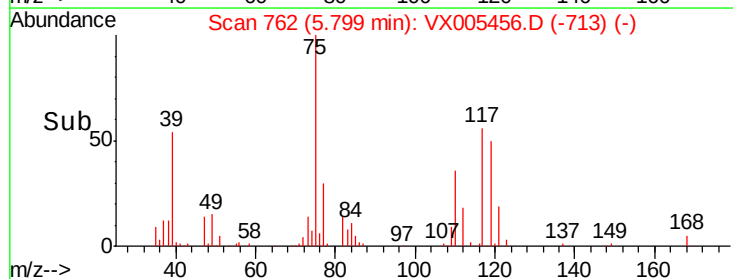
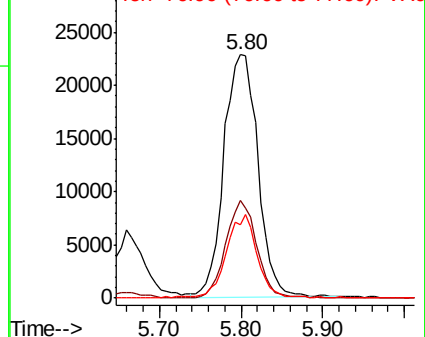
77 30.7 24.6 36.8

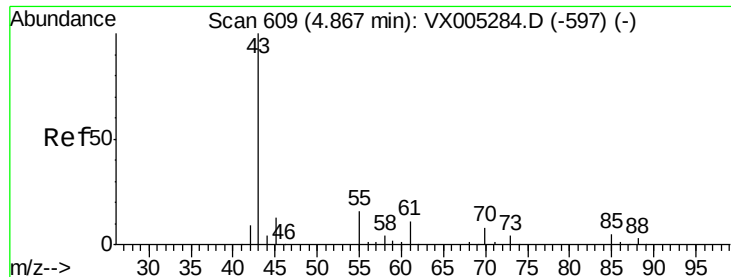


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 19.066 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleID :

VX1019WBSD01

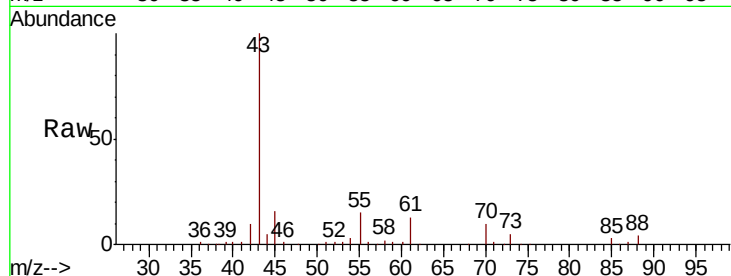
Tot Ion: 43 Resp: 85356

Ion Ratio Lower Upper

43 100

61 14.1 11.5 17.3

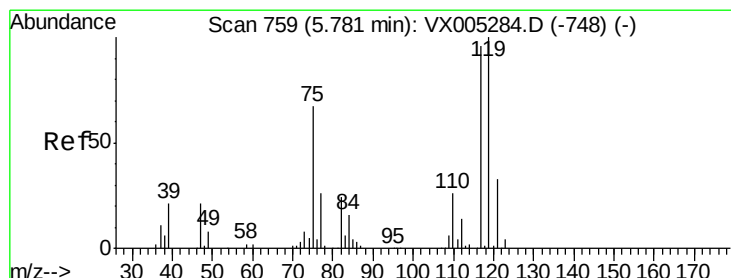
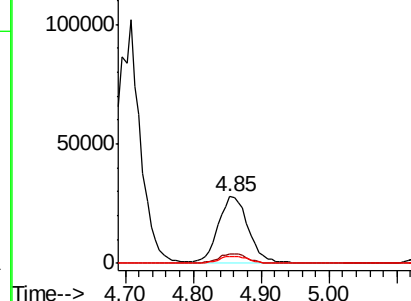
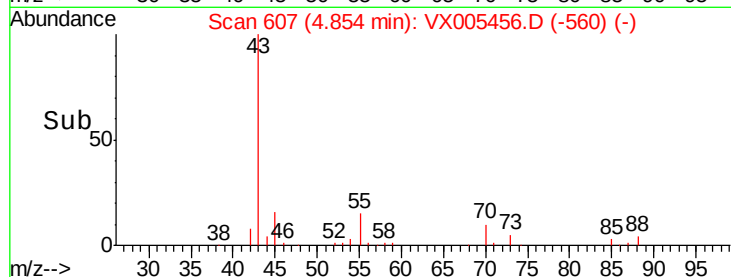
70 10.5 9.0 13.6



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: 19.243 ug/l

RT: 5.77 min Scan# 758

Delta R.T. -0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

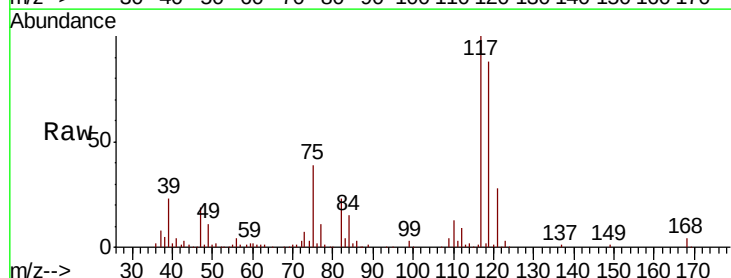
Tgt Ion: 117 Resp: 67309

Ion Ratio Lower Upper

117 100

119 88.6 78.8 118.2

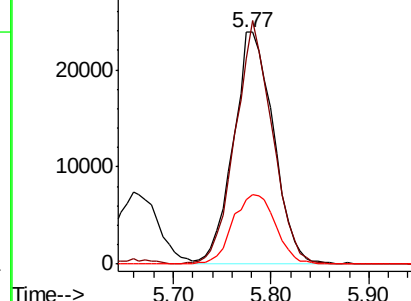
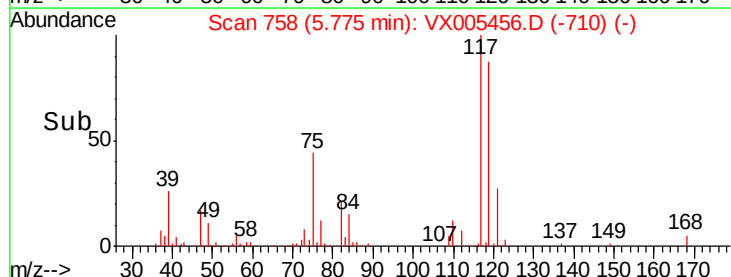
121 27.7 24.9 37.3

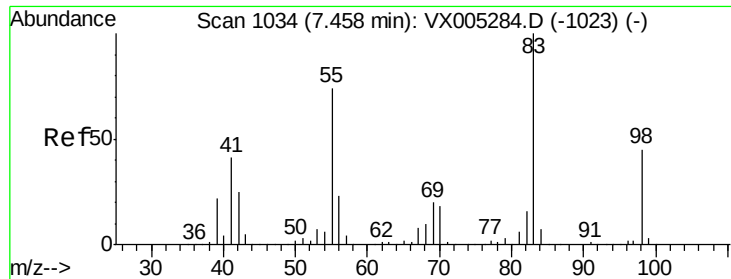


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

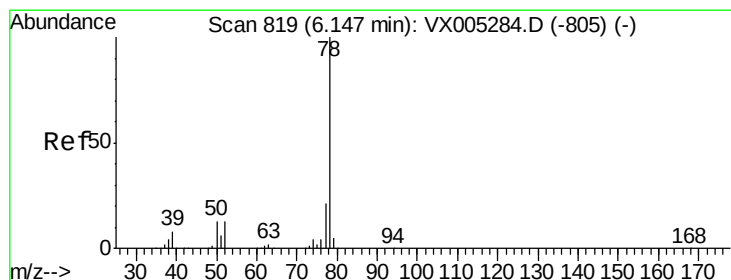
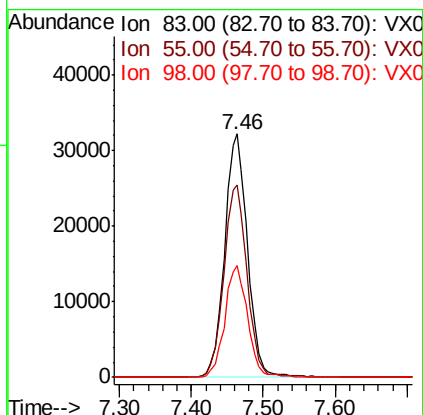
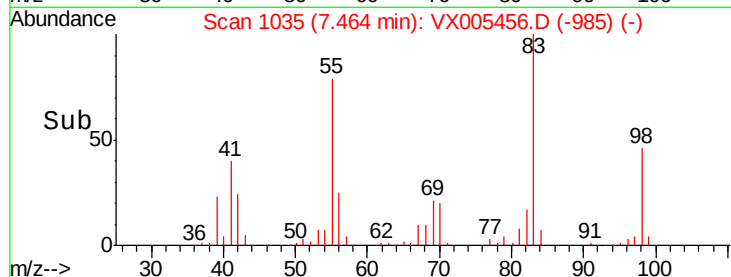
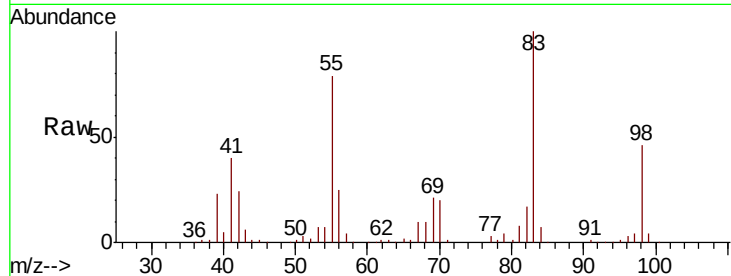




#39
Methylvlcyclohexane
Concen: 18.896 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

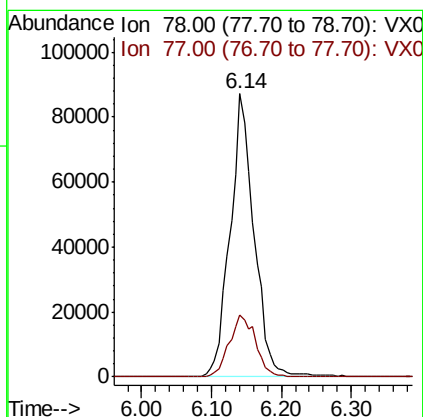
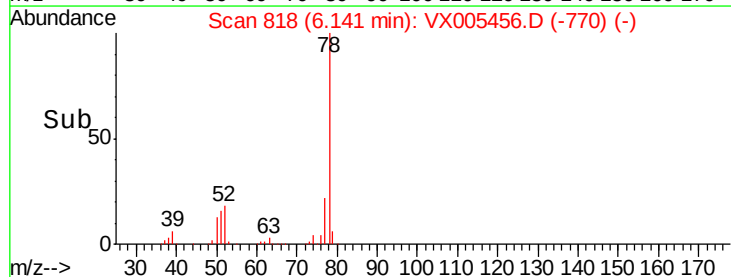
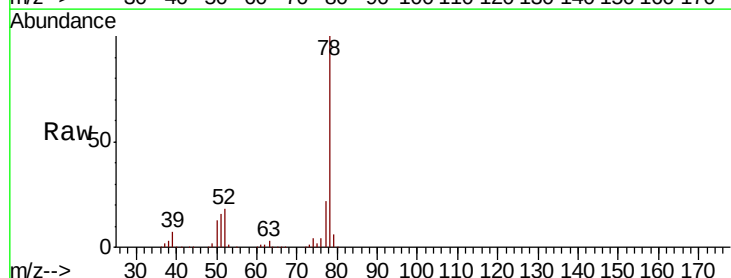
Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

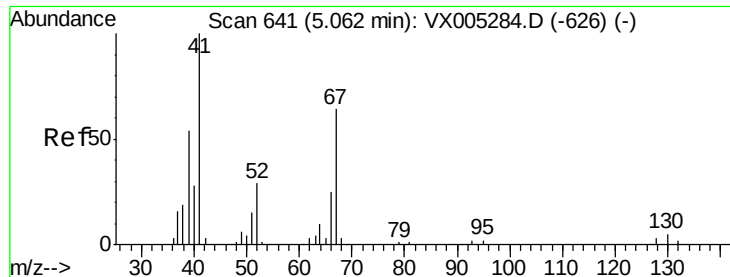
Tot Ion: 83 Resp: 71191
Ion Ratio Lower Upper
83 100
55 79.2 61.0 91.4
98 45.7 39.6 59.4



#40
Benzene
Concen: 19.906 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion: 78 Resp: 207872
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.4

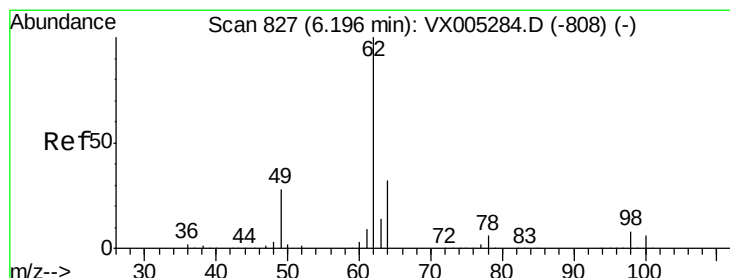
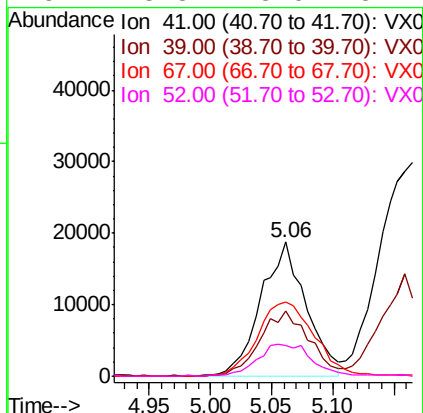
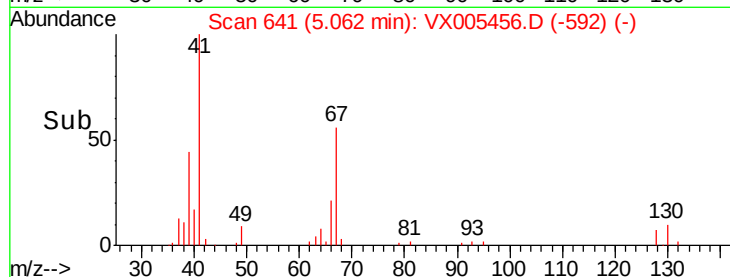
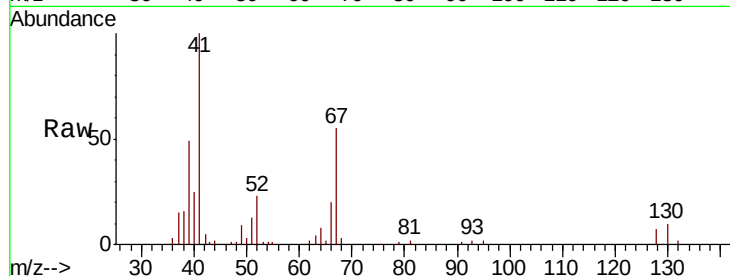




#41
Methacrylonitrile
Concen: 20.213 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

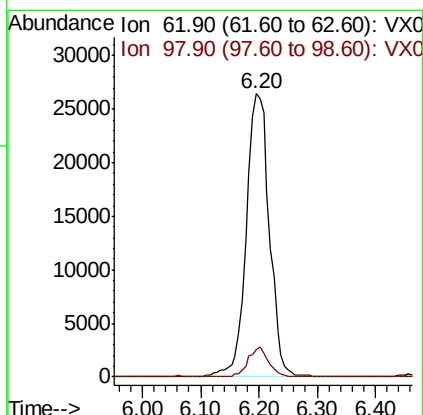
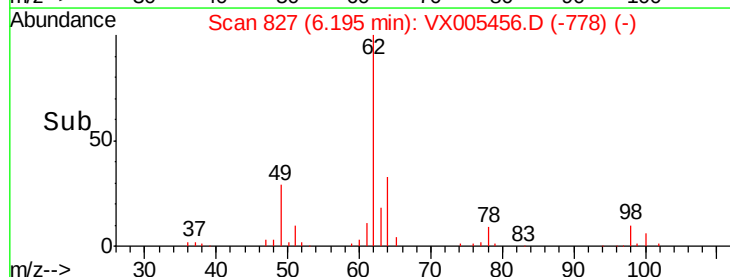
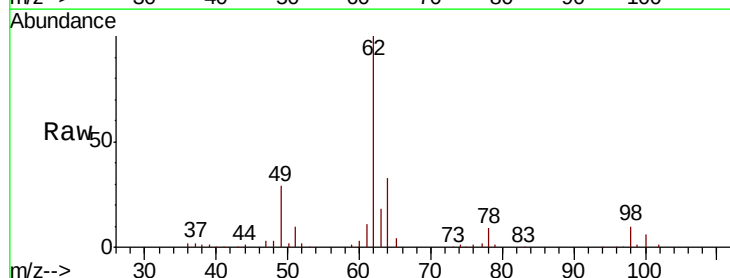
Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

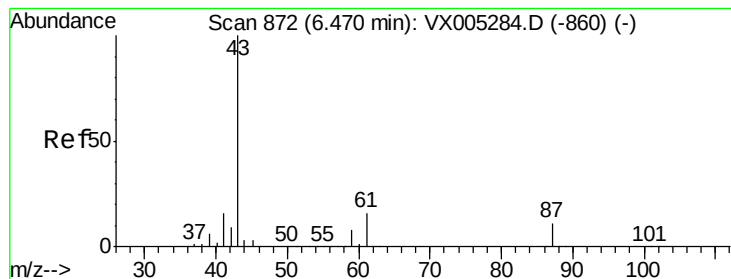
Tot Ion:	41	Resp:	48512
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.4	63.6
67	69.2	59.2	88.8
52	28.8	23.0	34.4



#42
1,2-Dichloroethane
Concen: 19.736 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion:	62	Resp:	72773
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.6





#43

Isopropyl Acetate

Concen: 20.538 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1019WBSD01

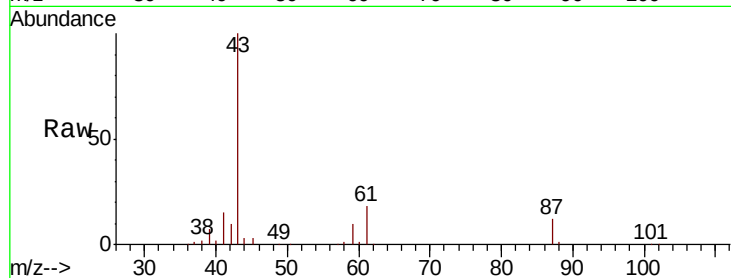
Tot Ion: 43 Resp: 122481

Ion Ratio Lower Upper

43 100

61 20.7 17.0 25.4

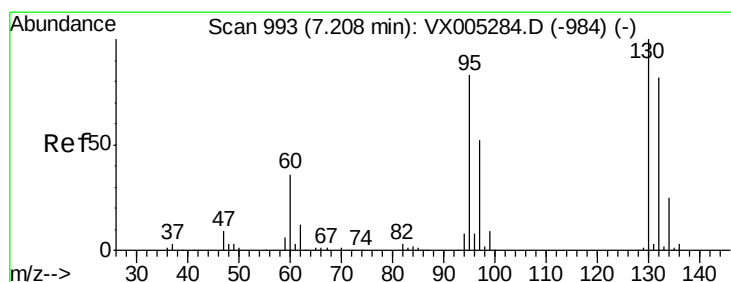
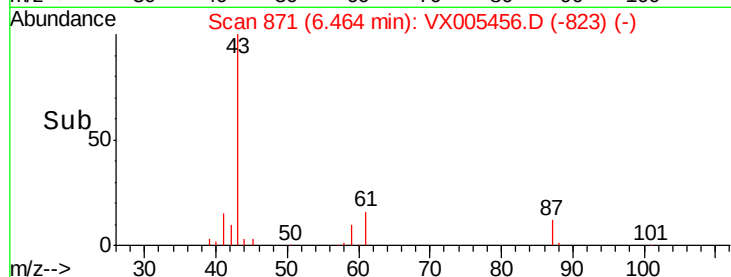
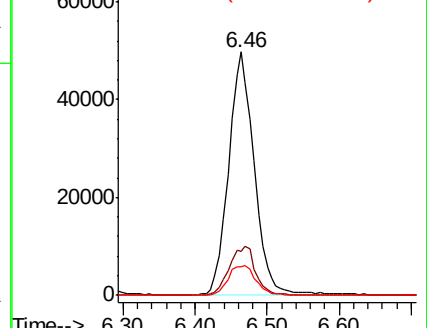
87 13.3 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-860) (-)

Ion 61.00 (60.70 to 61.70): VX005284.D (-860) (-)

Ion 87.00 (86.70 to 87.70): VX005284.D (-860) (-)



#44

Trichloroethene

Concen: 19.855 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005456.D

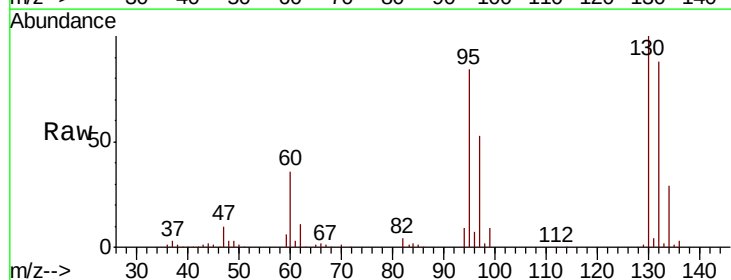
Acq: 19 Oct 2018 14:19

Tgt Ion:130 Resp: 53940

Ion Ratio Lower Upper

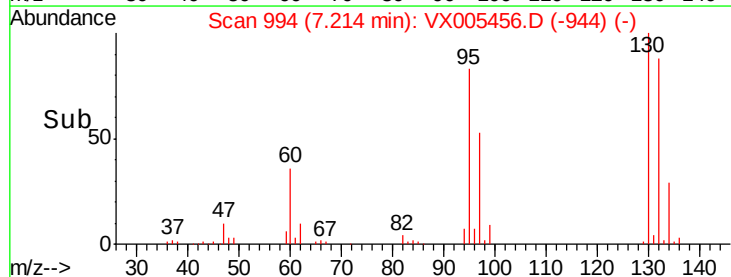
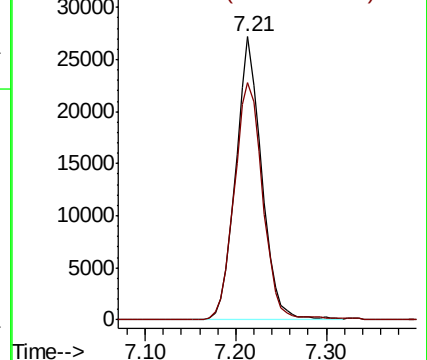
130 100

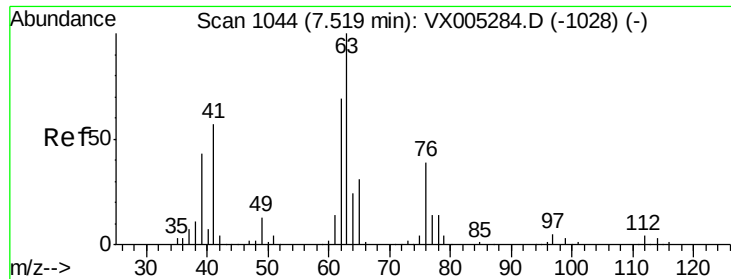
95 84.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): VX005284.D (-984) (-)

Ion 94.90 (94.60 to 95.60): VX005284.D (-984) (-)

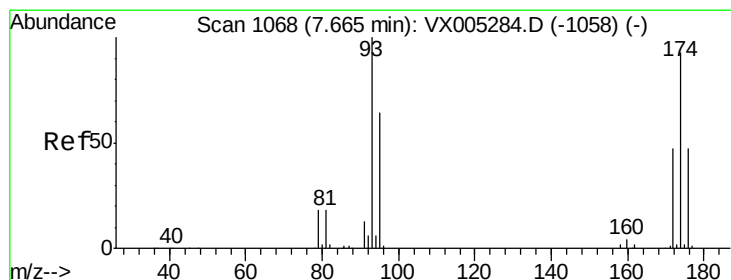
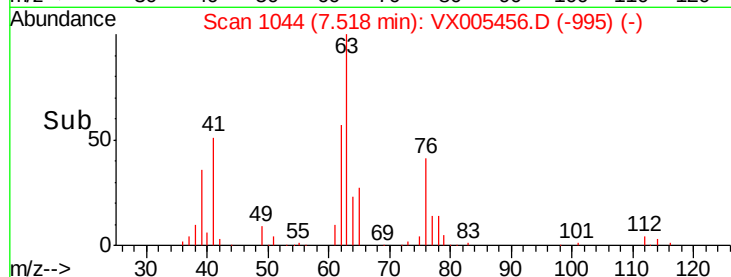
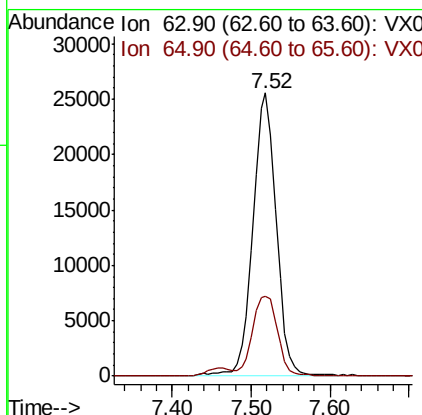
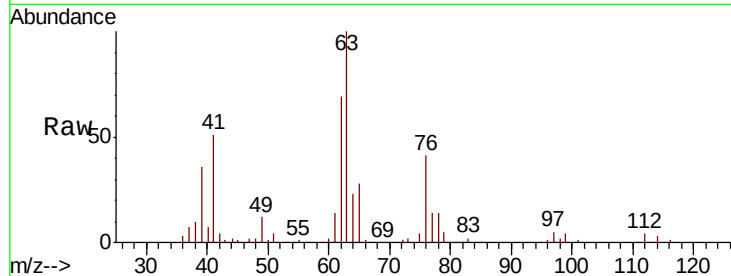




#45
 1,2-Dichloropropane
 Concen: 20.660 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

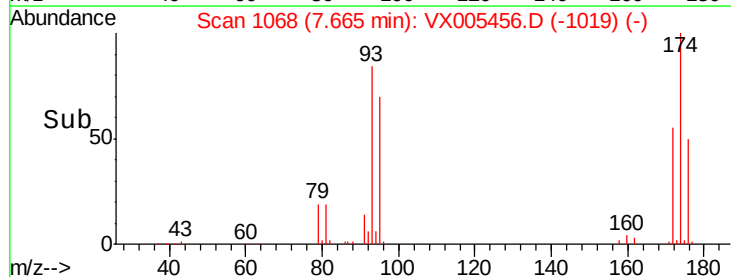
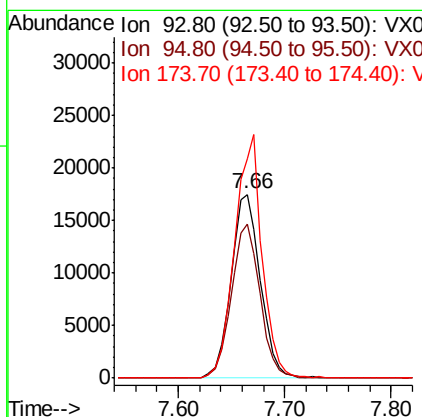
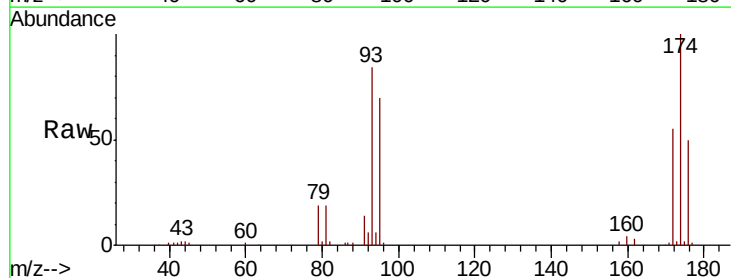
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

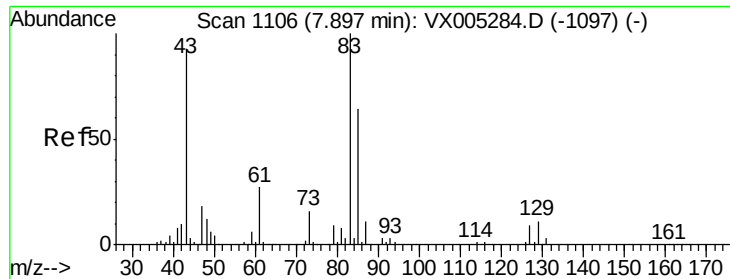
Tot Ion: 63 Resp: 52922
 Ion Ratio Lower Upper
 63 100
 65 28.1 24.3 36.5



#46
 Dibromomethane
 Concen: 19.889 ug/l
 RT: 7.66 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion: 93 Resp: 33626
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.5 98.3
 174 124.5 94.2 141.4





#47

Bromodichloromethane

Concen: 20.830 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1019WBSD01

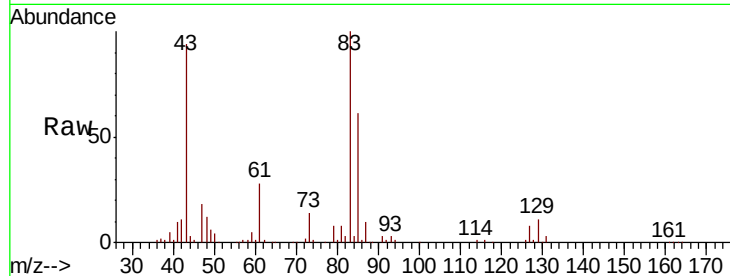
Tot Ion: 83 Resp: 65141

Ion Ratio Lower Upper

83 100

85 61.5 50.9 76.3

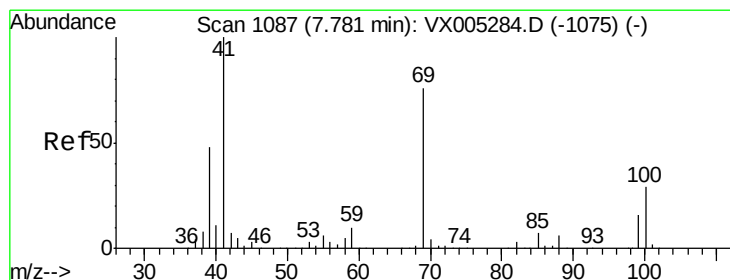
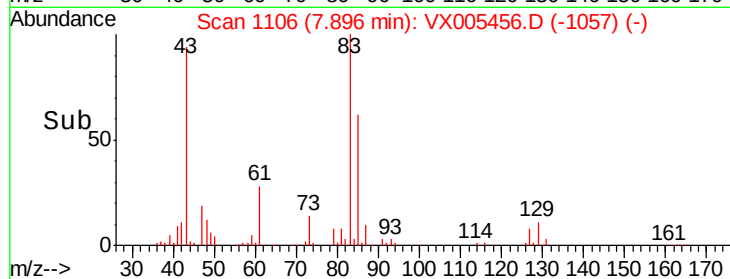
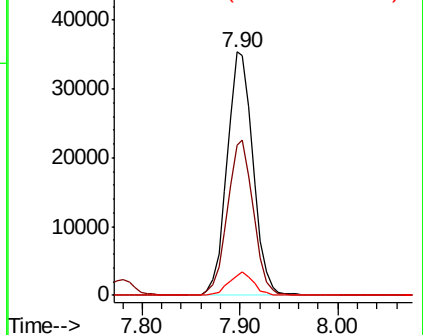
127 8.0 7.3 10.9



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: 20.341 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

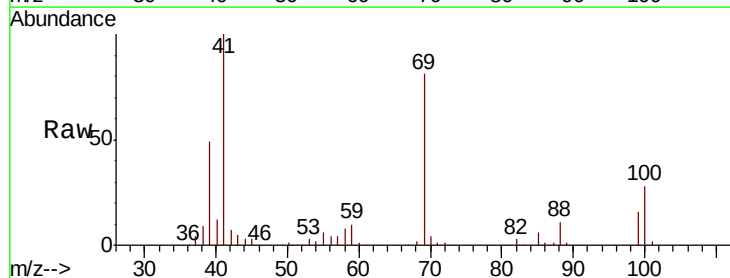
Tgt Ion: 41 Resp: 62915

Ion Ratio Lower Upper

41 100

69 82.4 70.2 105.4

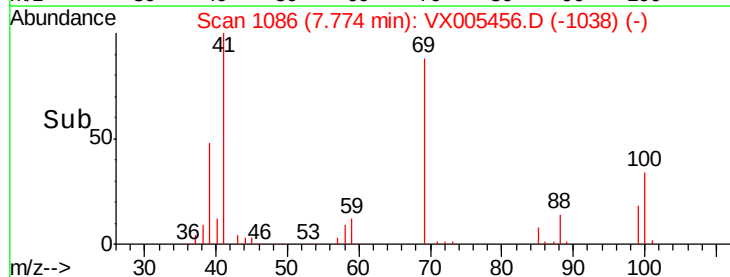
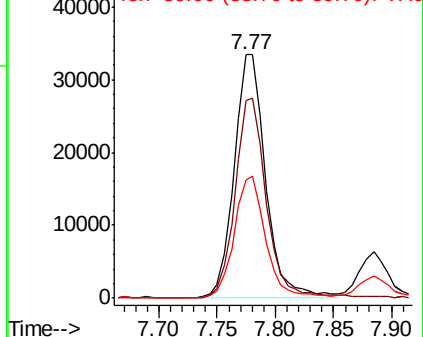
39 50.3 42.7 64.1

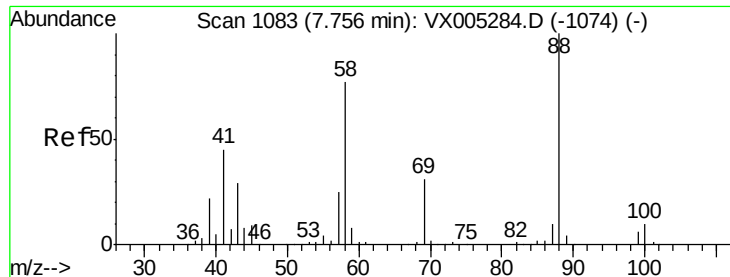


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

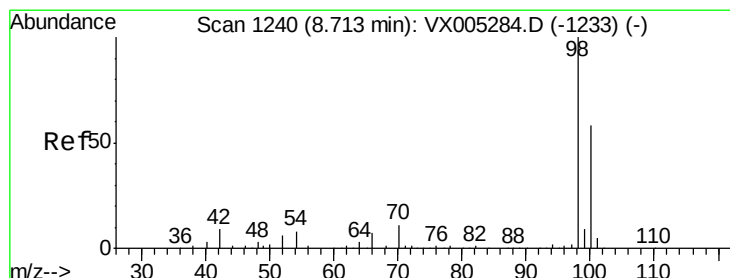
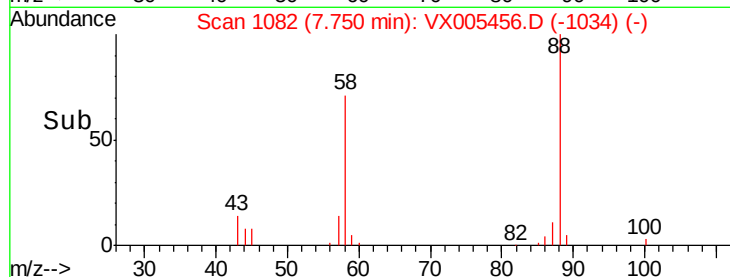
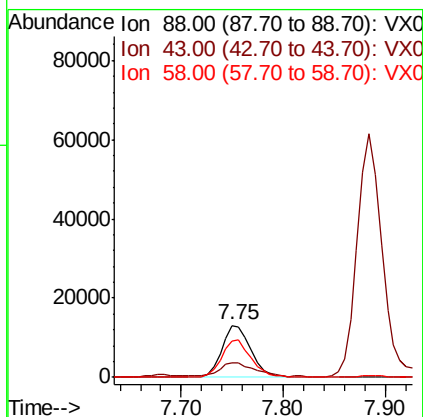
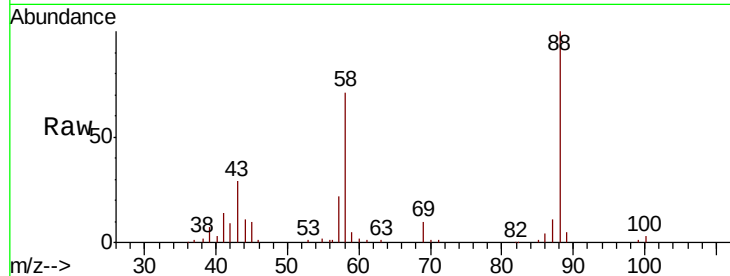




#49
 1,4-Dioxane
 Concen: 360.111 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

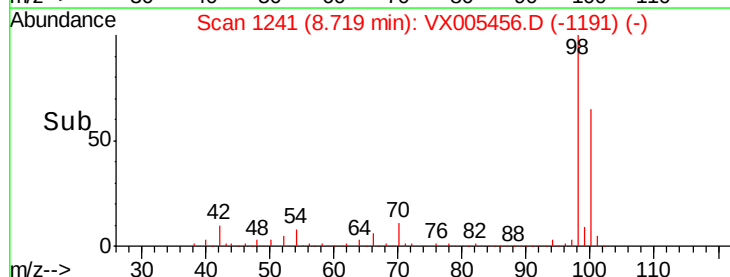
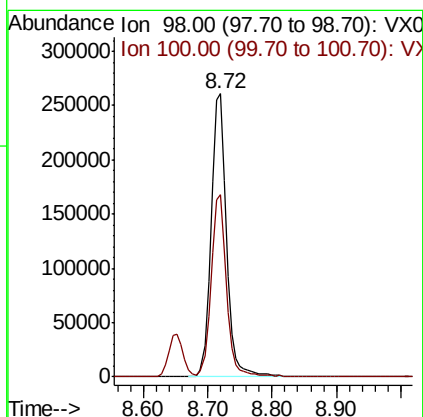
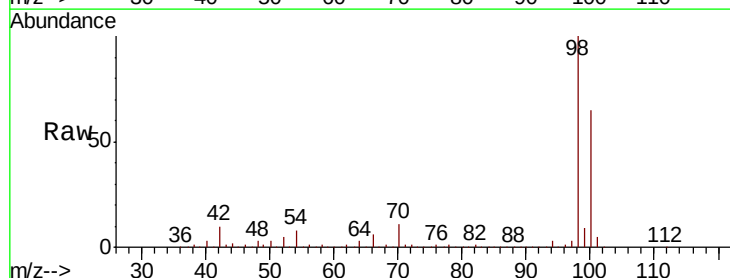
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

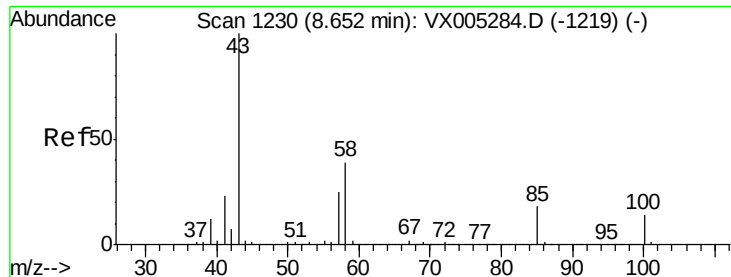
Tot Ion: 88 Resp: 25690
 Ion Ratio Lower Upper
 88 100
 43 34.2 24.7 37.1
 58 72.6 55.3 82.9



#50
 Toluene-d8
 Concen: 53.730 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion: 98 Resp: 439127
 Ion Ratio Lower Upper
 98 100
 100 64.3 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 103.818 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

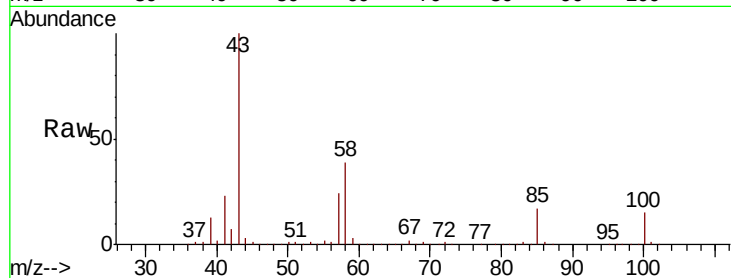
VX1019WBSD01

Tot Ion: 43 Resp: 428687

Ion Ratio Lower Upper

43 100

58 38.6 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-1219) (-)

Ion 58.00 (57.70 to 58.70): VX005284.D (-1219) (-)

8.65

250000

200000

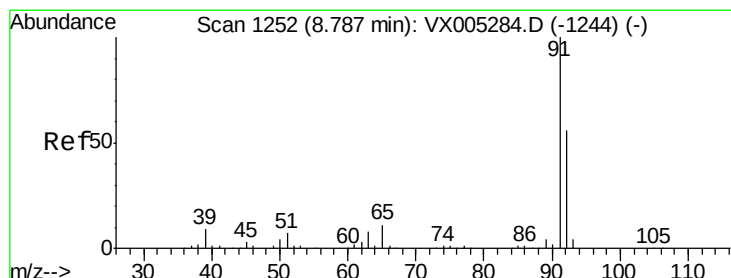
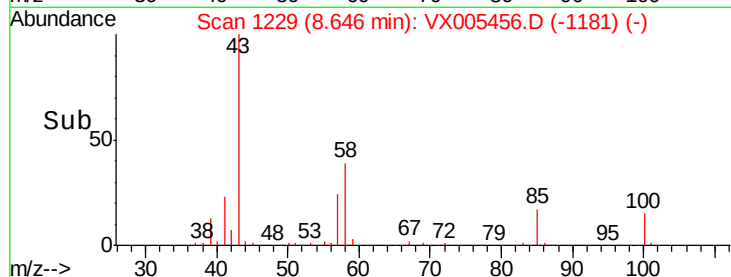
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.330 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005456.D

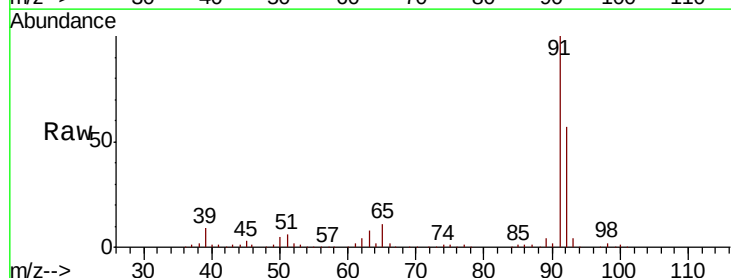
Acq: 19 Oct 2018 14:19

Tgt Ion: 92 Resp: 121859

Ion Ratio Lower Upper

92 100

91 175.2 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX005284.D (-1244) (-)

Ion 91.00 (90.70 to 91.70): VX005284.D (-1244) (-)

8.79

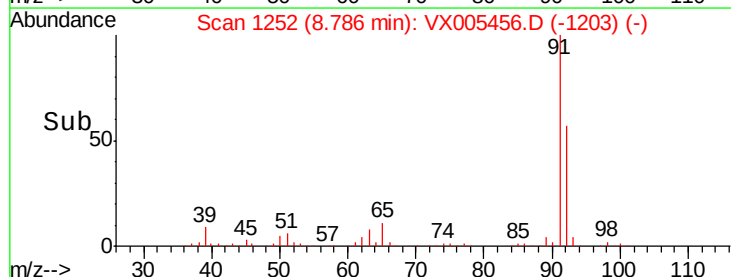
150000

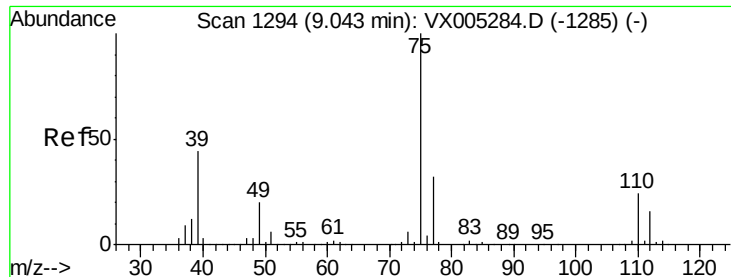
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.570 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

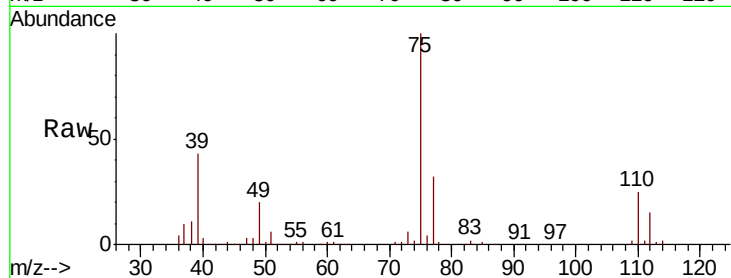
VX1019WBSD01

Tot Ion: 75 Resp: 69617

Ion Ratio Lower Upper

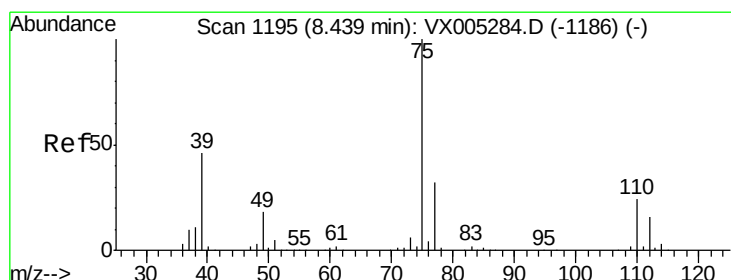
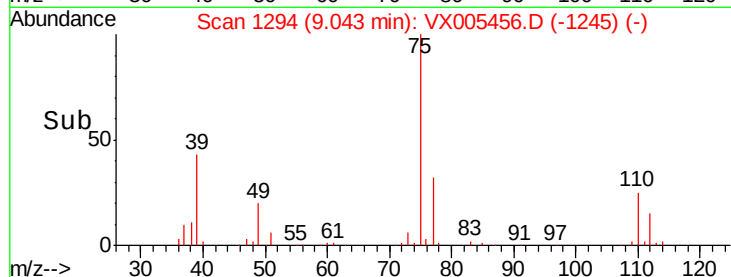
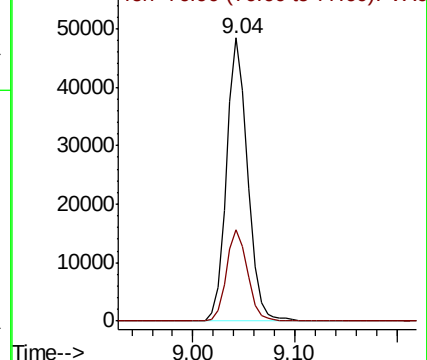
75 100

77 32.1 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#54

cis-1,3-Dichloropropene

Concen: 21.131 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

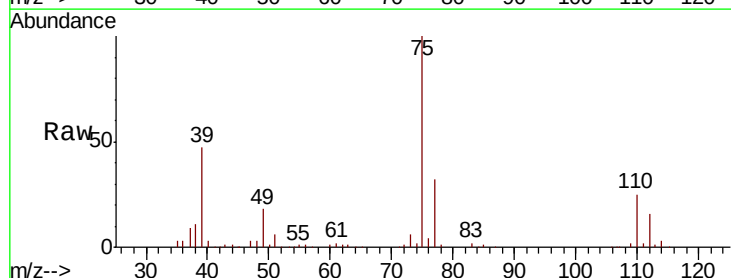
Tgt Ion: 75 Resp: 77489

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.2

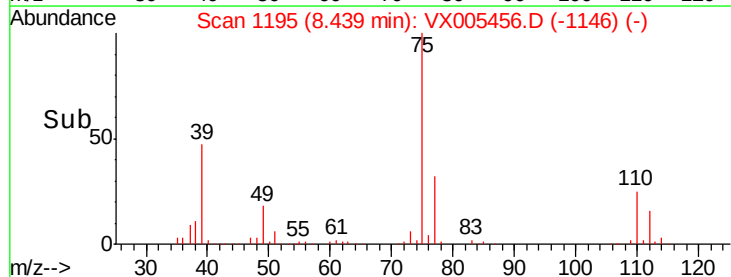
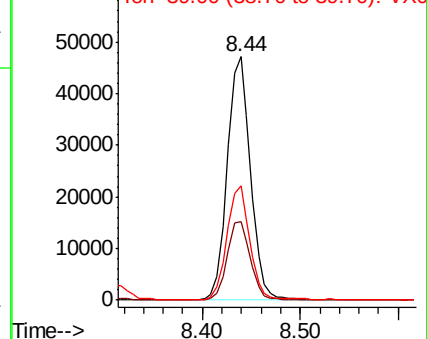
39 46.9 36.4 54.6

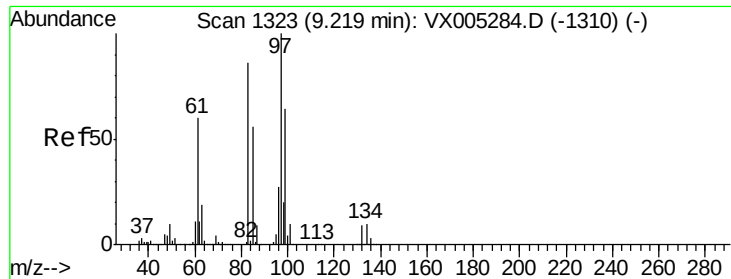


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

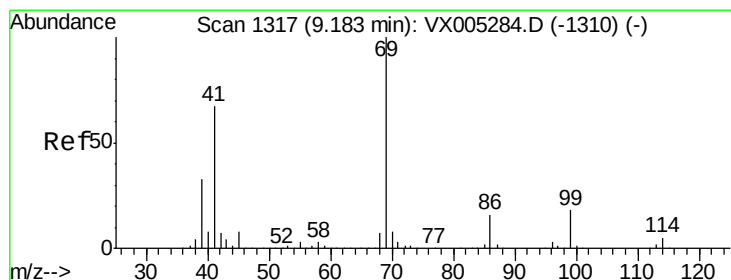
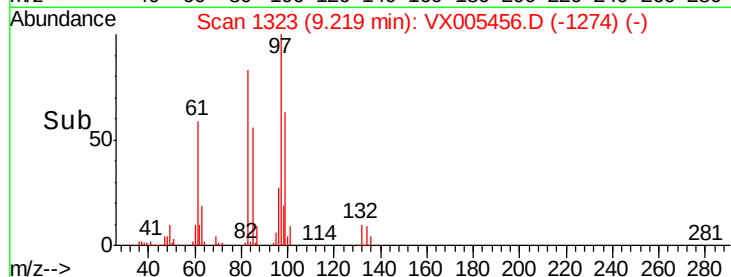
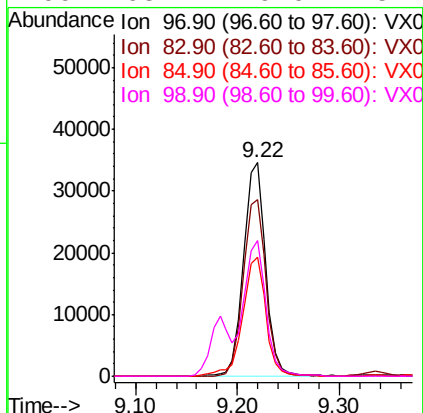
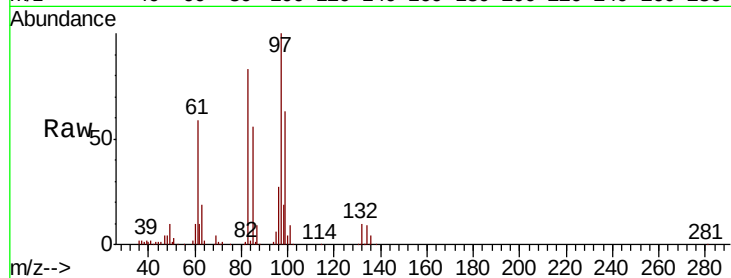




#55
 1,1,2-Trichloroethane
 Concen: 21.427 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

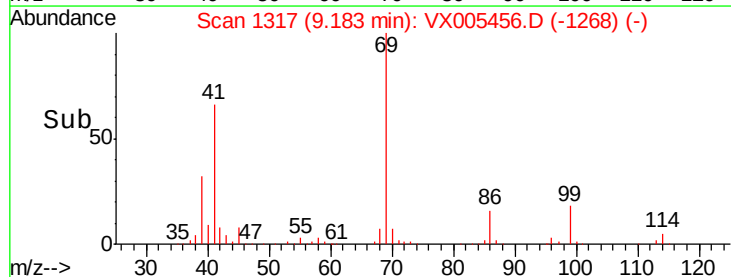
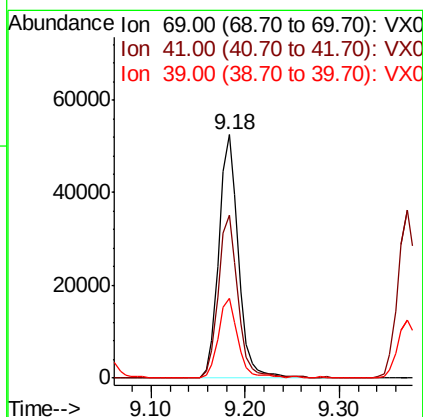
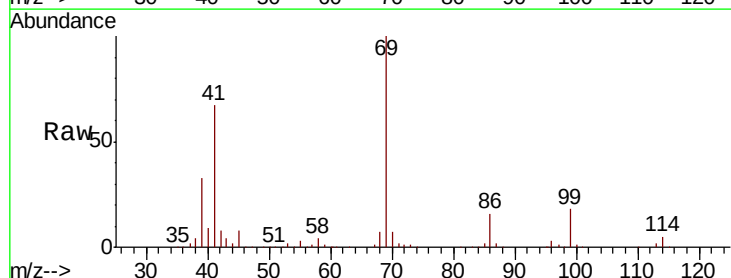
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

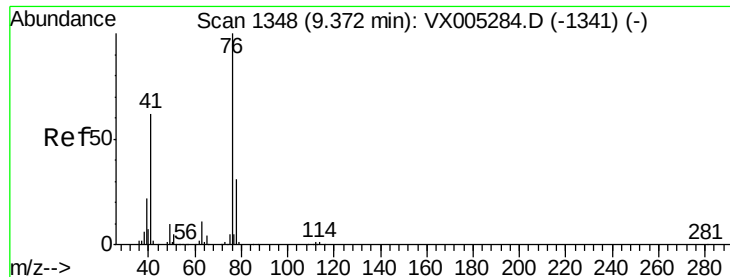
Tot Ion:	97	Resp:	51848
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.4	99.6
85	55.6	43.3	64.9
99	63.4	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 21.587 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion:	69	Resp:	76149
Ion	Ratio	Lower	Upper
69	100		
41	66.6	51.0	76.4
39	32.0	26.1	39.1





#57

1,3-Dichloropropane

Concen: 21.137 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

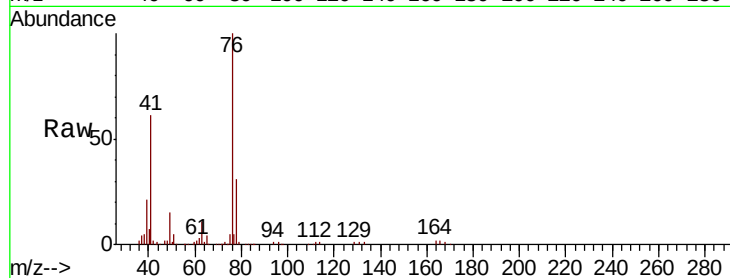
VX1019WBSD01

Tot Ion: 76 Resp: 85370

Ion Ratio Lower Upper

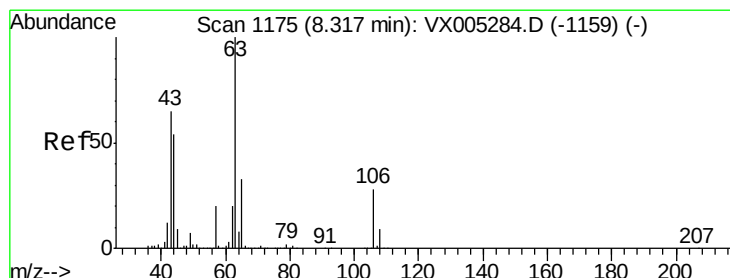
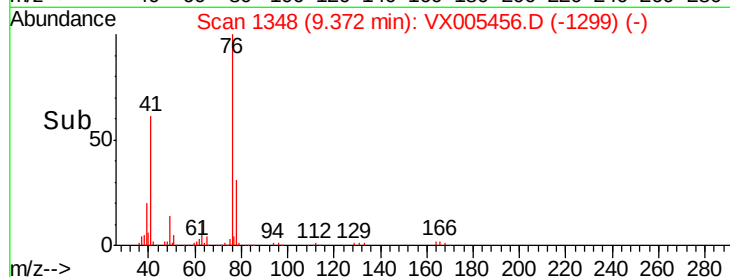
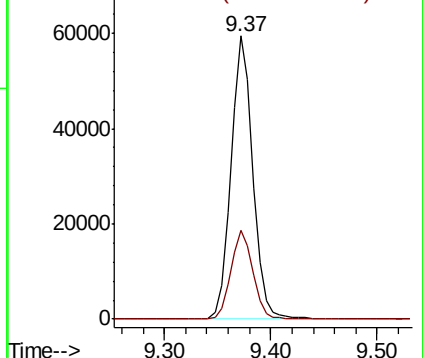
76 100

78 31.7 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: 109.738 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005456.D

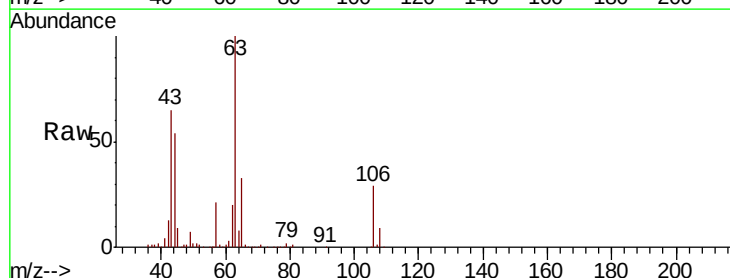
Acq: 19 Oct 2018 14:19

Tgt Ion: 63 Resp: 217099

Ion Ratio Lower Upper

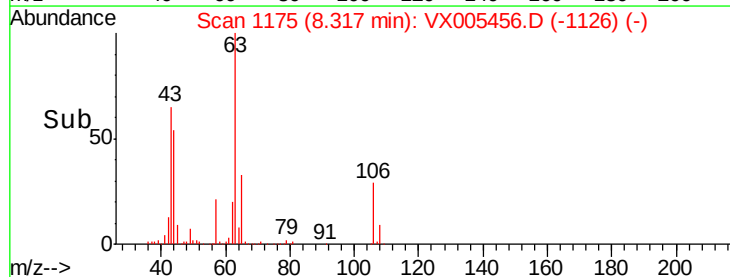
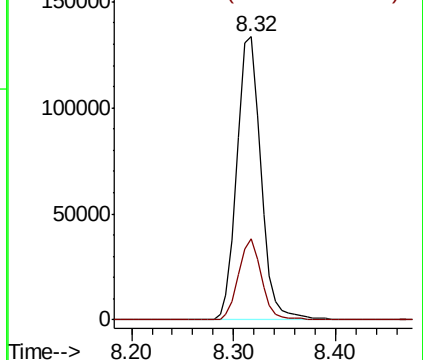
63 100

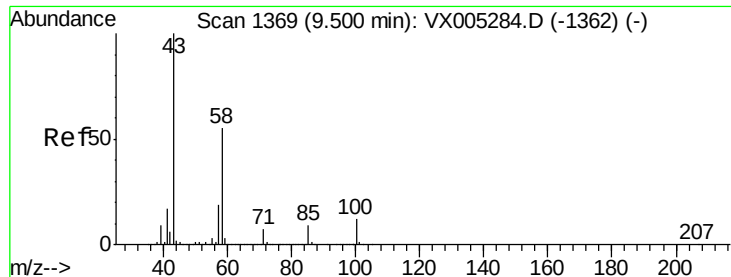
106 27.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

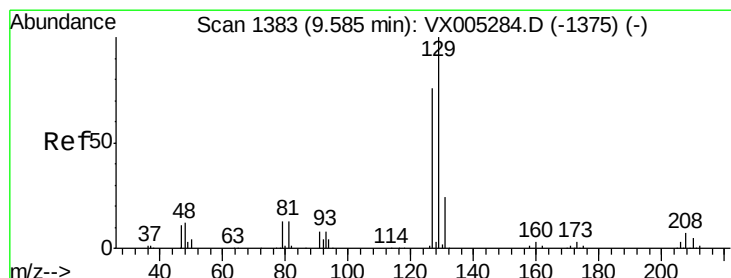
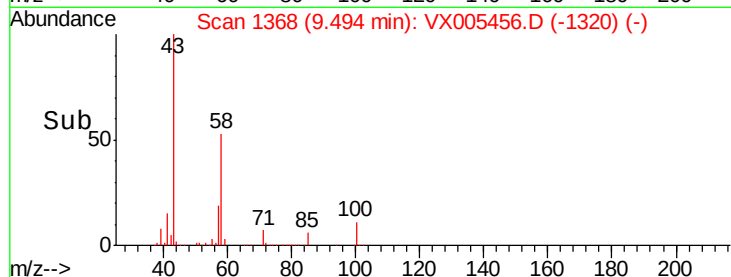
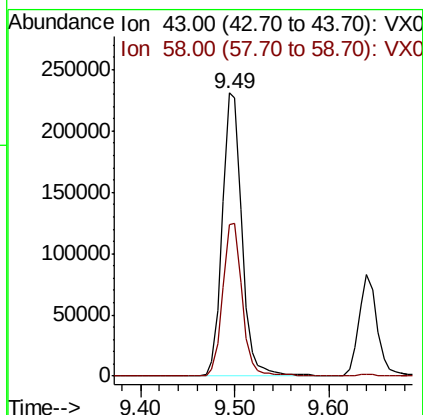
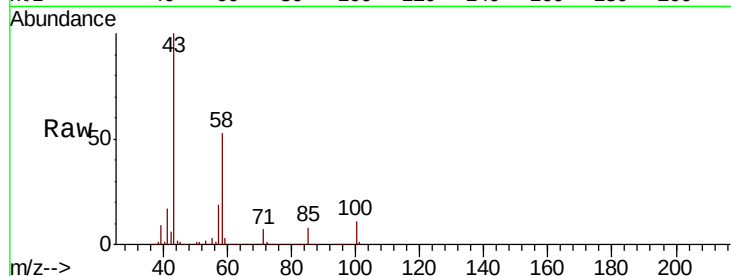




#59
2-Hexanone
Concen: 100.657 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

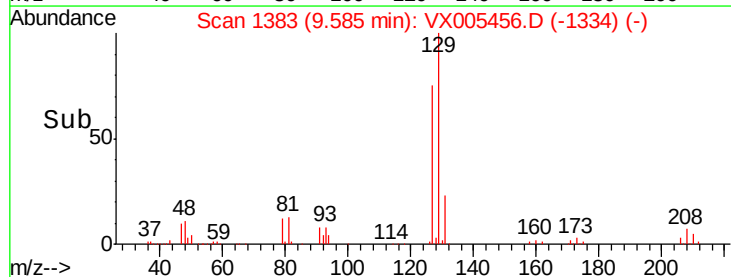
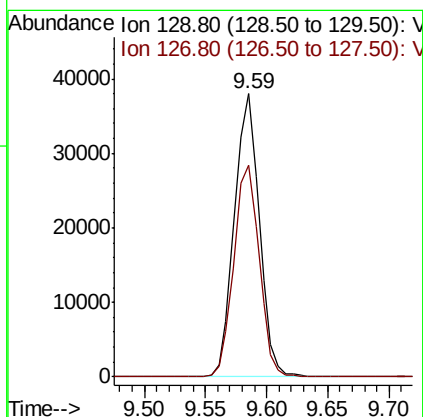
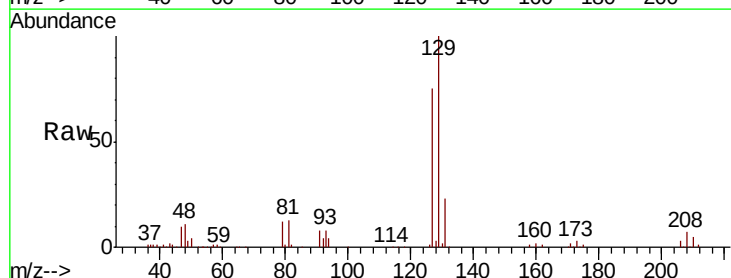
Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

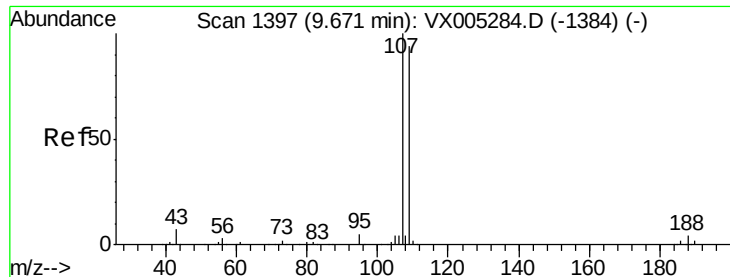
Tot Ion: 43 Resp: 334339
Ion Ratio Lower Upper
43 100
58 53.7 29.0 87.0



#60
Dibromochloromethane
Concen: 21.388 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion:129 Resp: 53498
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.060 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

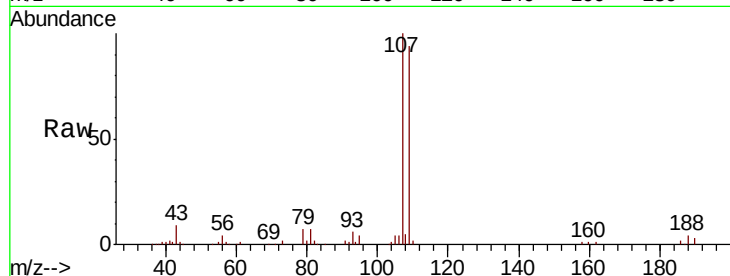
VX1019WBSD01

Tot Ion:107 Resp: 53483

Ion Ratio Lower Upper

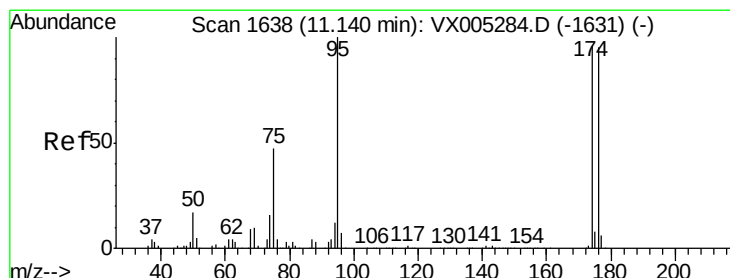
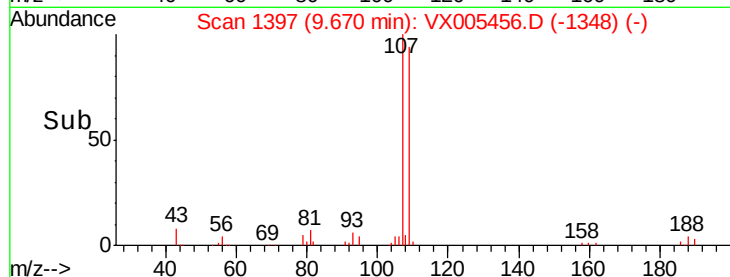
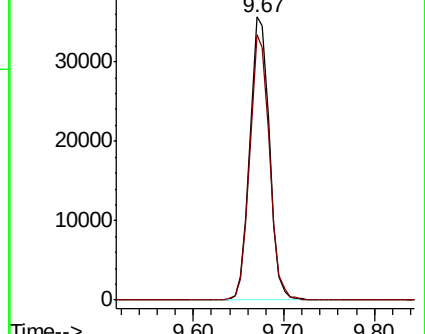
107 100

109 94.2 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.376 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

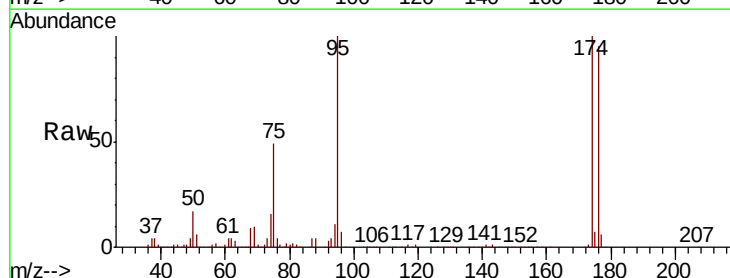
Tgt Ion: 95 Resp: 160807

Ion Ratio Lower Upper

95 100

174 96.4 0.0 185.2

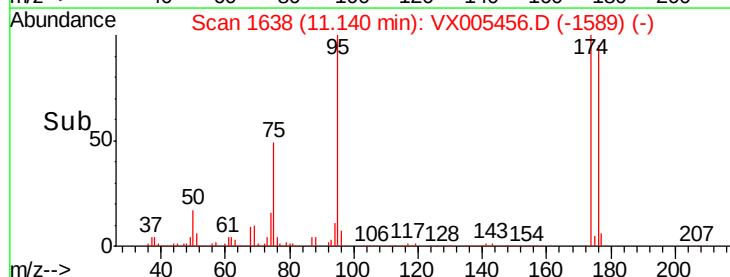
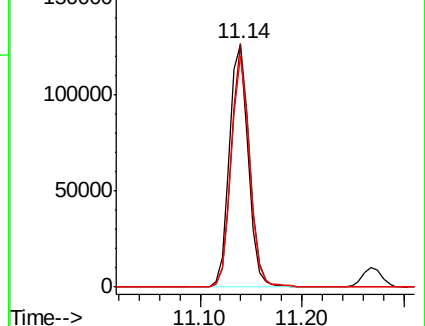
176 92.4 0.0 178.6

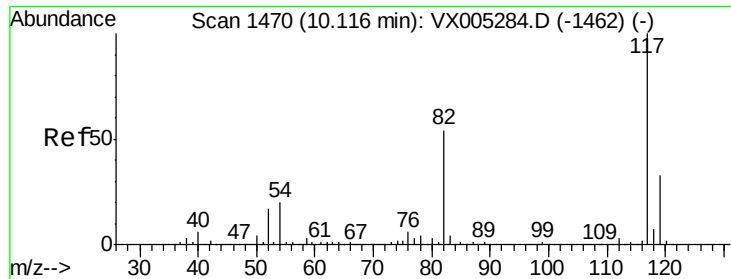


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

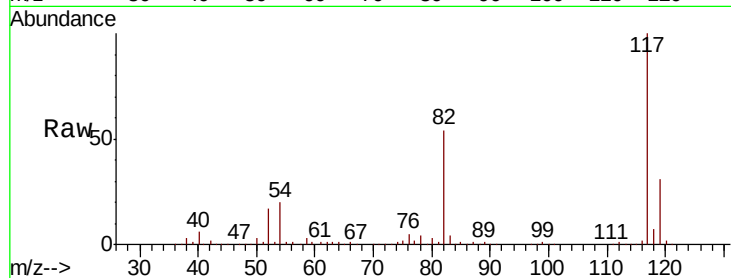




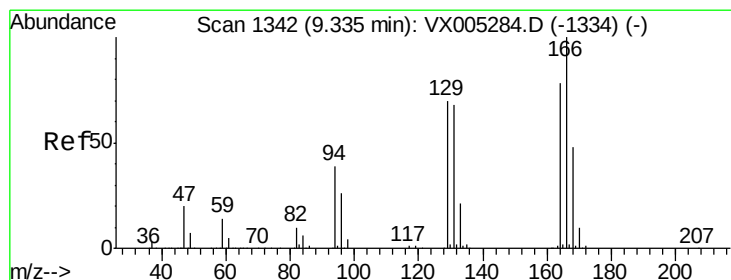
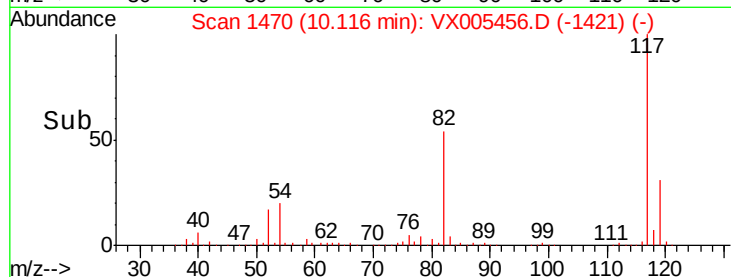
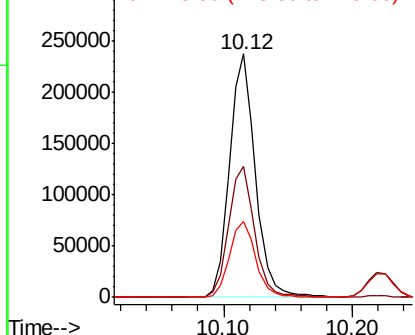
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

Tot Ion:117 Resp: 331958
Ion Ratio Lower Upper
117 100
82 53.8 47.8 71.6
119 31.3 29.3 43.9

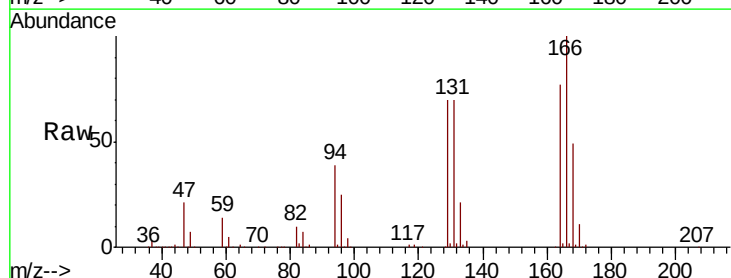


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

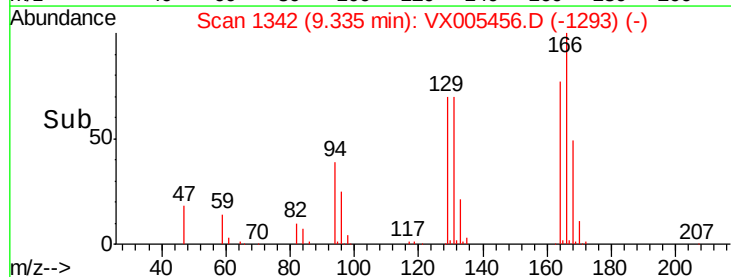
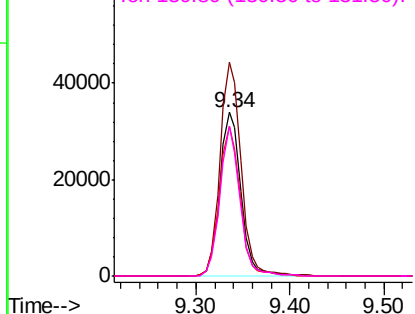


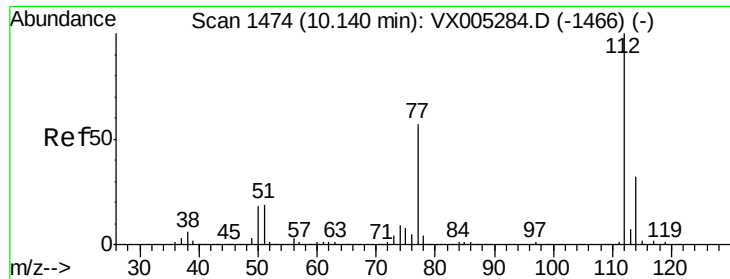
#64
Tetrachloroethene
Concen: 19.864 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion:164 Resp: 53086
Ion Ratio Lower Upper
164 100
166 130.5 102.8 154.2
129 91.9 69.4 104.0
131 91.4 67.9 101.9



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

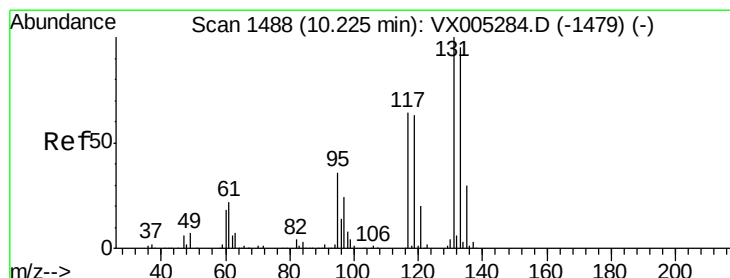
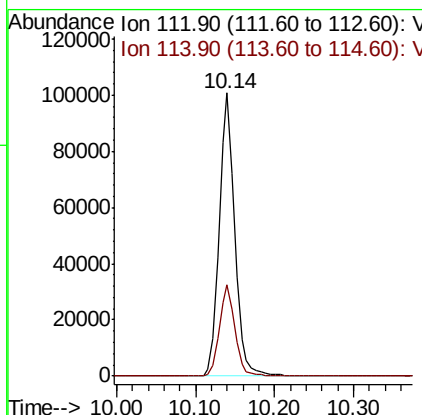
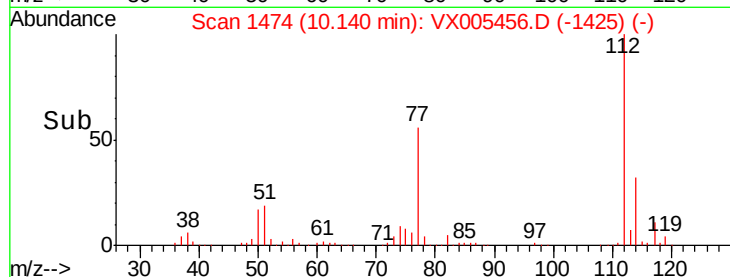
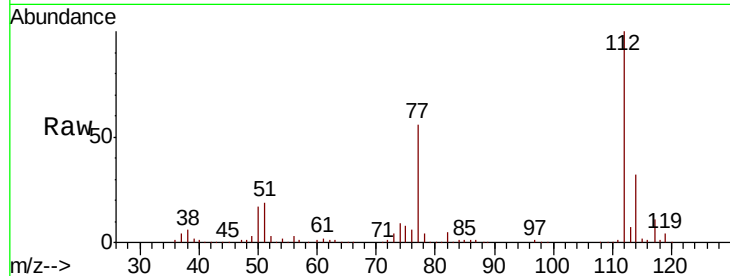




#65
Chlorobenzene
Concen: 19.680 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

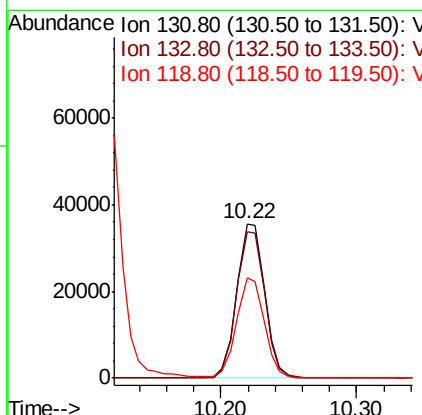
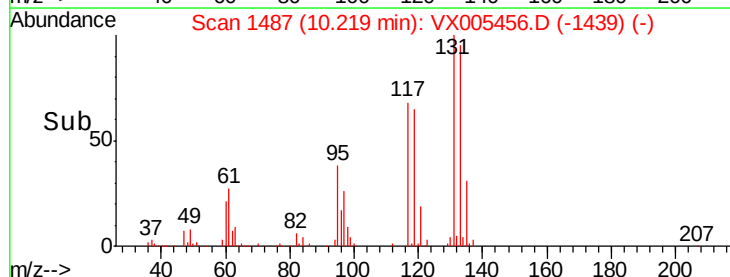
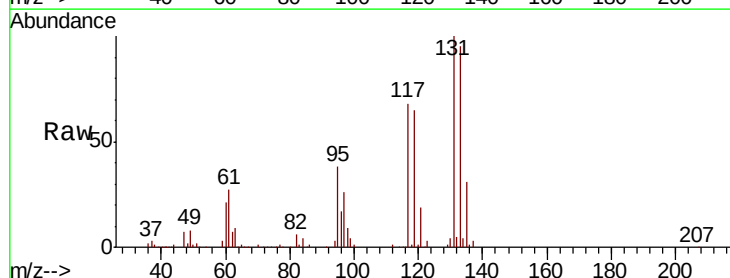
Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

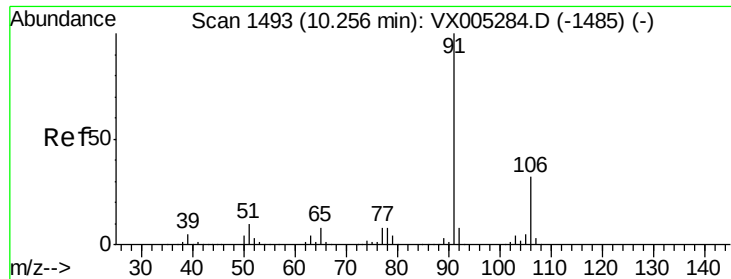
Tot Ion:112 Resp: 138966
Ion Ratio Lower Upper
112 100
114 32.2 27.8 41.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.222 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion:131 Resp: 50884
Ion Ratio Lower Upper
131 100
133 96.0 48.1 144.4
119 64.9 32.9 98.6





#67

Ethyl Benzene

Concen: 19.763 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

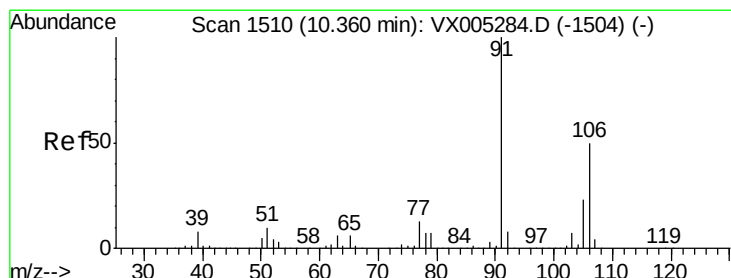
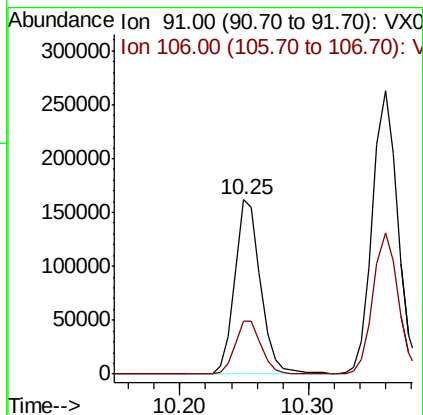
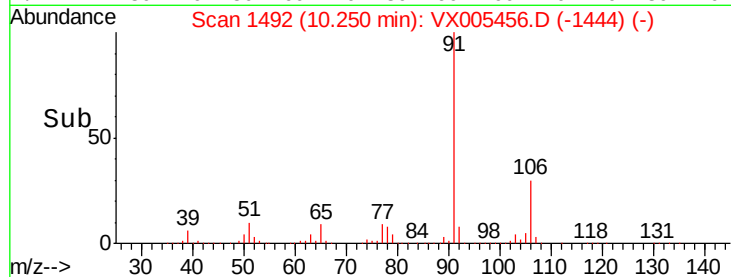
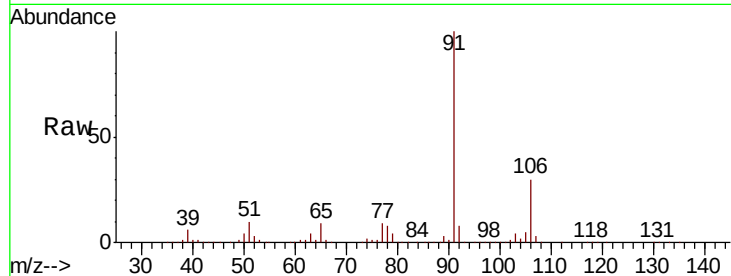
VX1019WBSD01

Tot Ion: 91 Resp: 226858

Ion Ratio Lower Upper

91 100

106 30.2 25.9 38.9



#68

m/p-Xylenes

Concen: 40.515 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005456.D

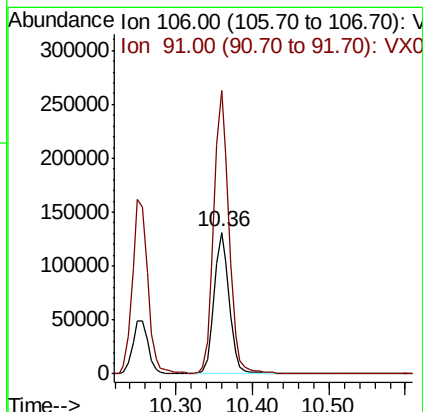
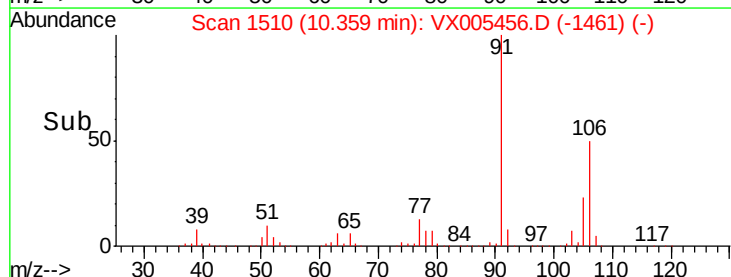
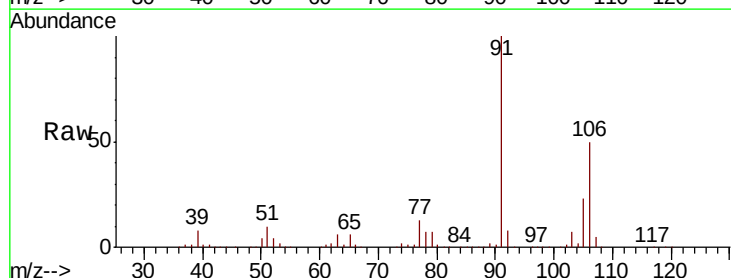
Acq: 19 Oct 2018 14:19

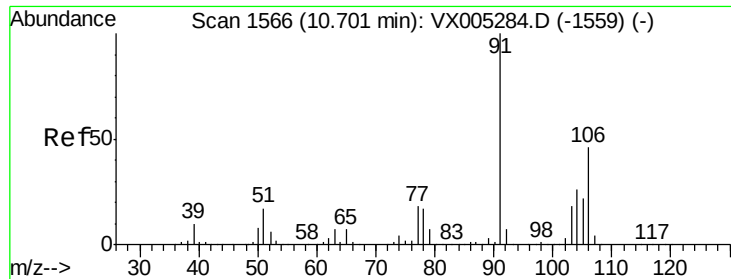
Tgt Ion: 106 Resp: 180511

Ion Ratio Lower Upper

106 100

91 201.2 157.1 235.7

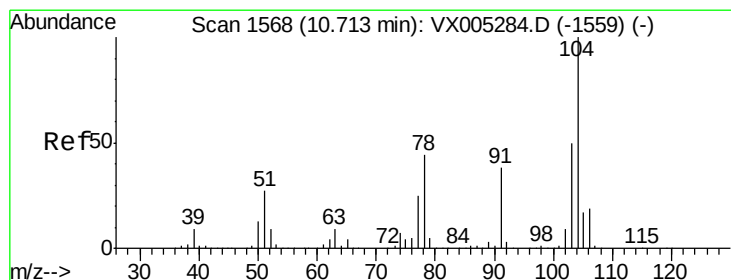
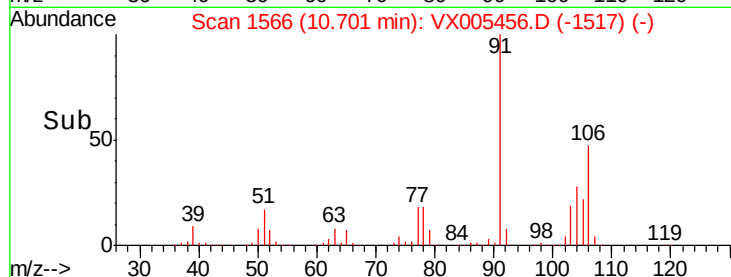
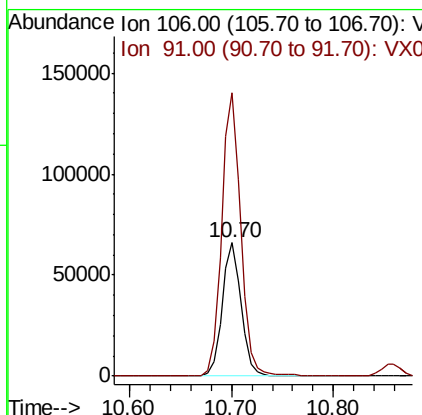
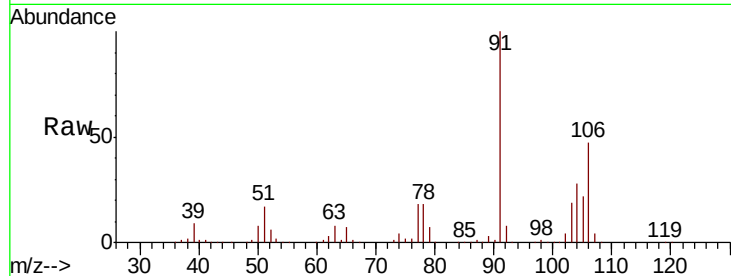




#69
o-Xylene
Concen: 19.914 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

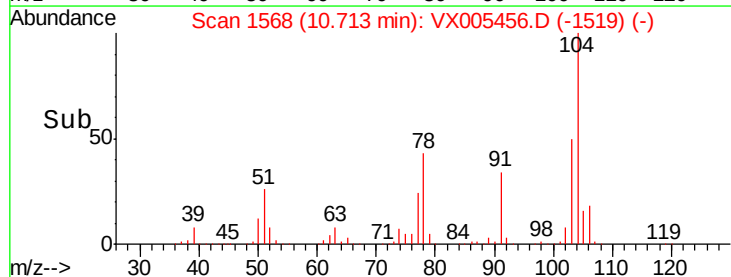
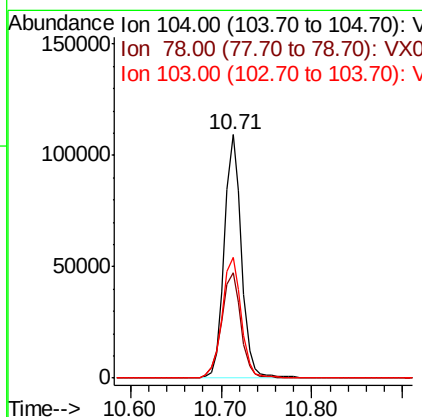
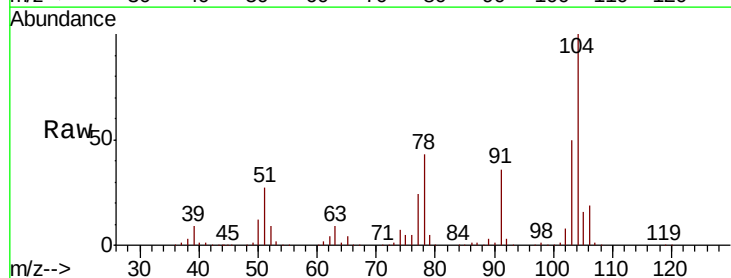
Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

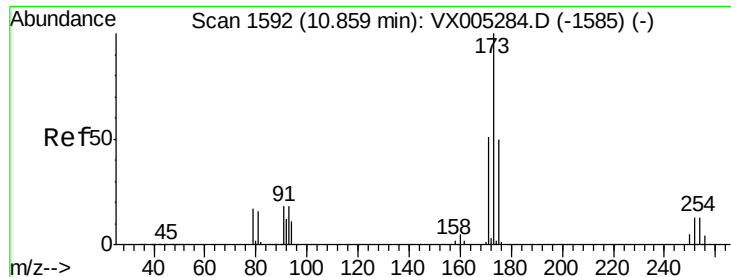
Tot Ion:106 Resp: 85570
Ion Ratio Lower Upper
106 100
91 214.1 105.1 315.1



#70
Styrene
Concen: 20.408 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion:104 Resp: 144235
Ion Ratio Lower Upper
104 100
78 49.4 37.4 56.0
103 55.5 43.8 65.6





#71

Bromoform

Concen: 19.467 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1019WBSD01

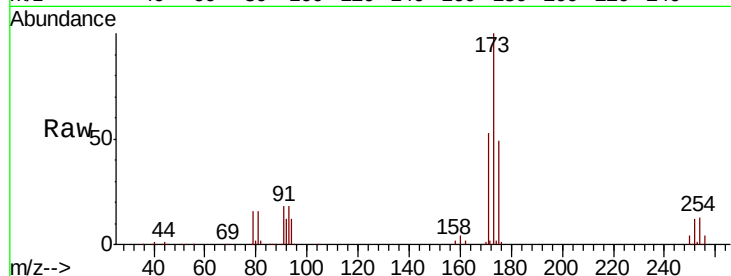
Tot Ion:173 Resp: 43774

Ion Ratio Lower Upper

173 100

175 48.7 24.1 72.3

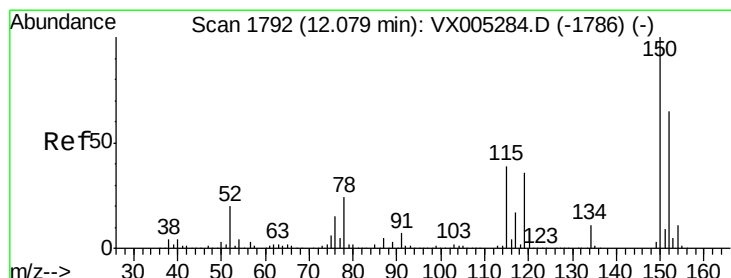
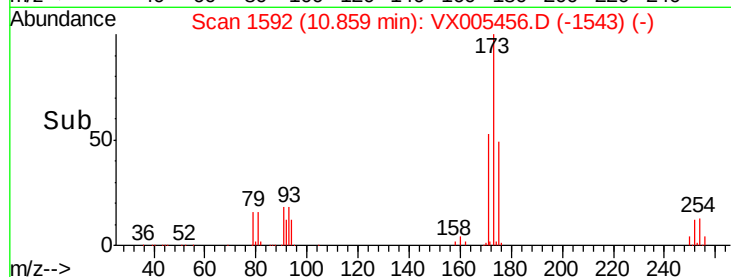
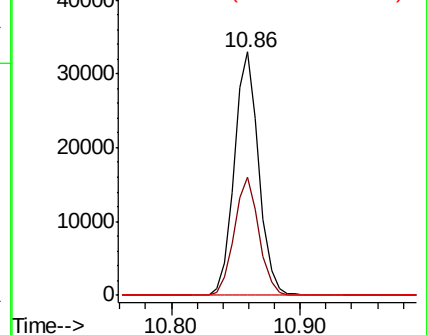
254 0.0 0.2 0.2#



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: VX005456.D

Acq: 19 Oct 2018 14:19

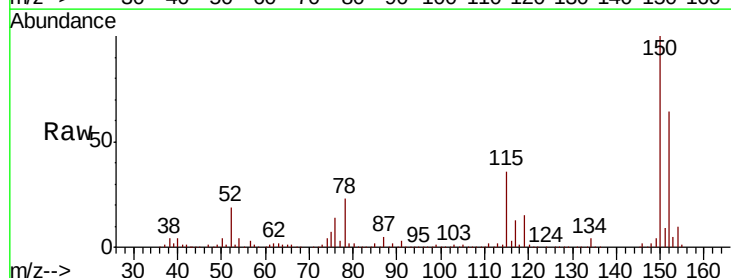
Tgt Ion:152 Resp: 184169

Ion Ratio Lower Upper

152 100

115 63.6 39.0 117.0

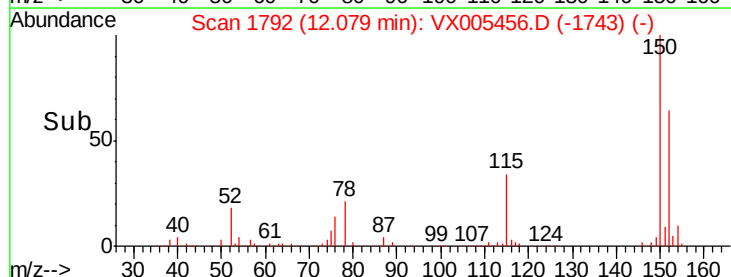
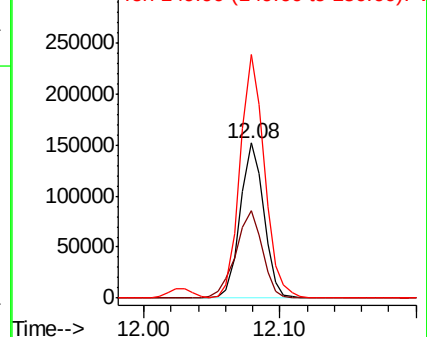
150 162.5 0.0 351.0

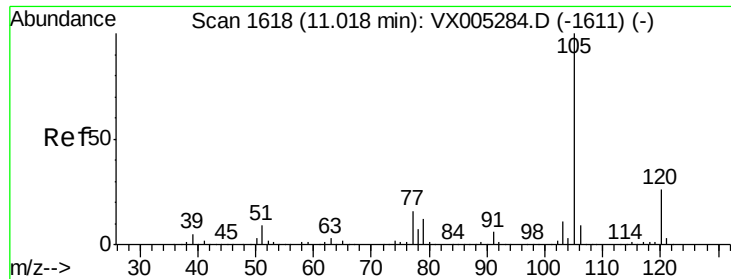


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

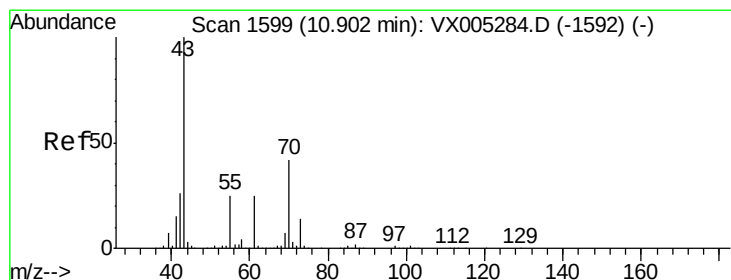
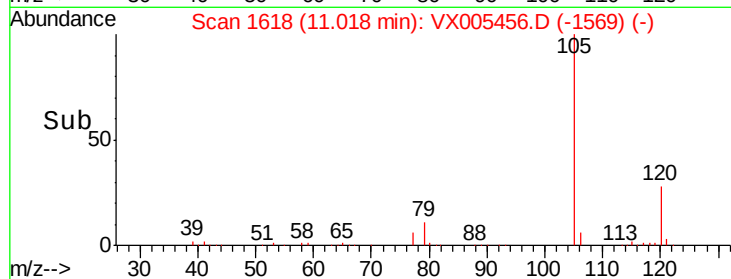
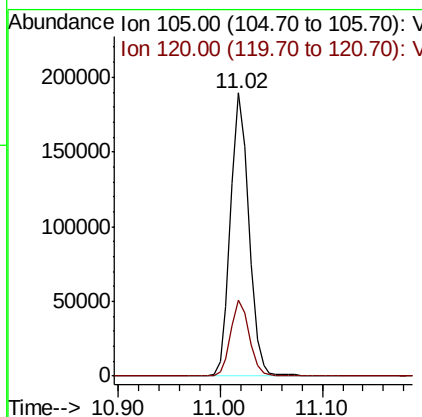
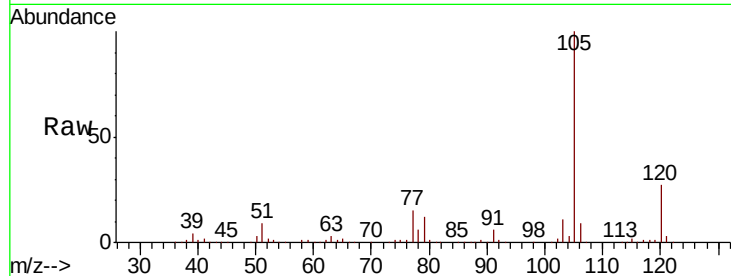




#73
Isopropylbenzene
Concen: 21.509 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

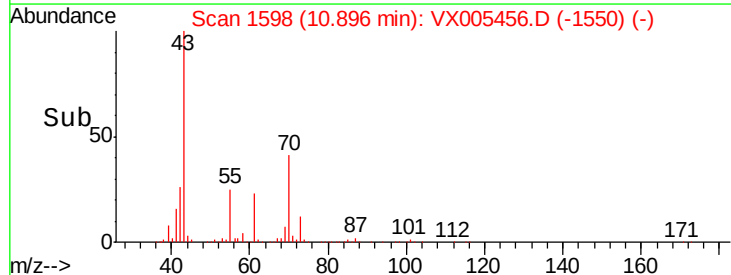
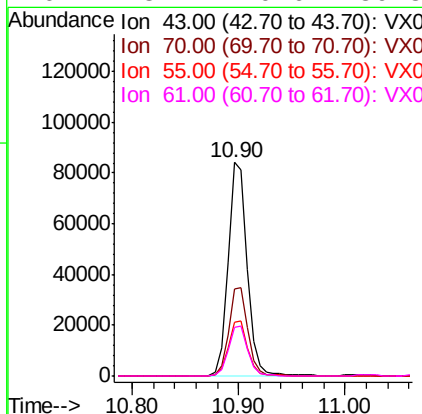
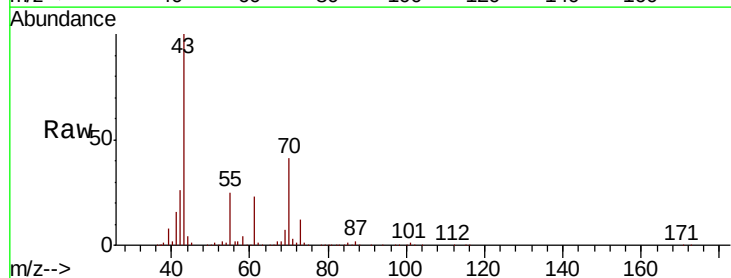
Instrument :
MSVOA_X
ClientSampleId :
VX1019WBSD01

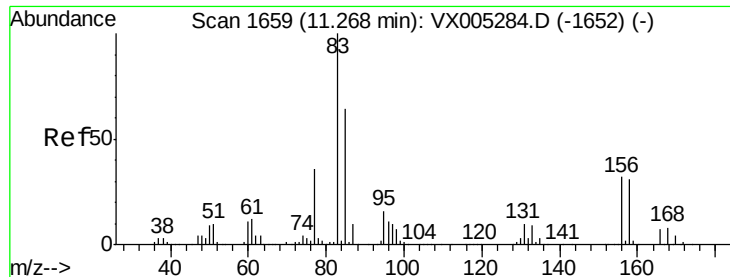
Tot Ion:105 Resp: 235488
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4



#74
N-ethyl acetate
Concen: 20.014 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion: 43 Resp: 105684
Ion Ratio Lower Upper
43 100
70 41.7 37.4 56.0
55 26.1 21.8 32.8
61 23.7 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.947 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1019WBSD01

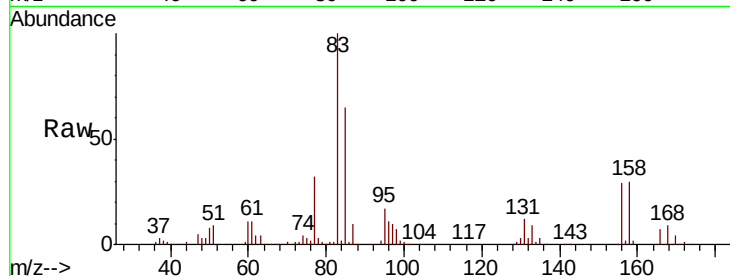
Tot Ion: 83 Resp: 82380

Ion Ratio Lower Upper

83 100

131 11.1 5.2 15.6

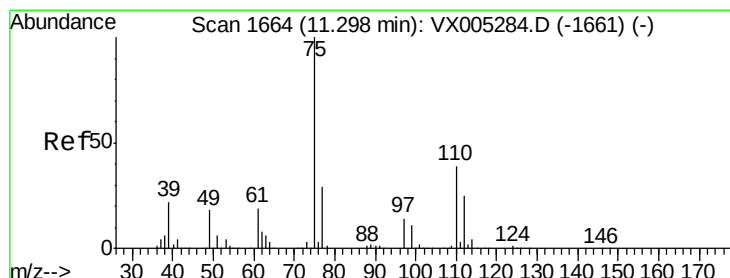
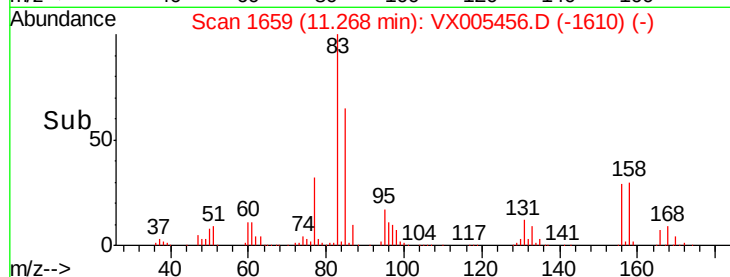
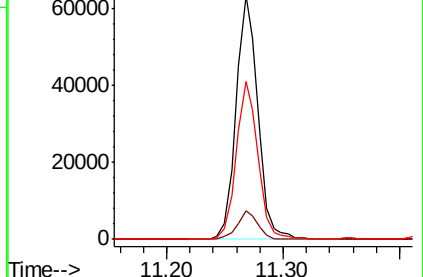
85 64.4 32.3 96.8



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: 21.785 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005456.D

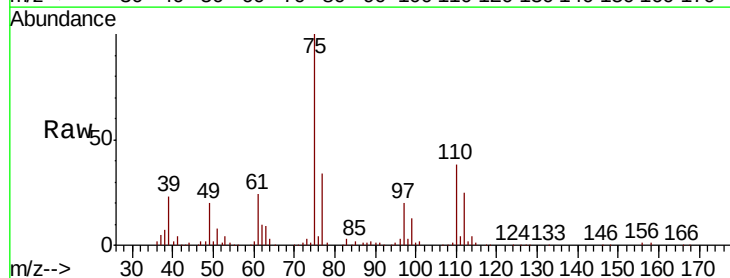
Acq: 19 Oct 2018 14:19

Tgt Ion: 75 Resp: 77825

Ion Ratio Lower Upper

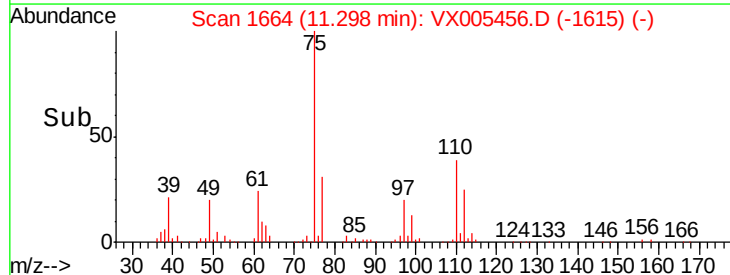
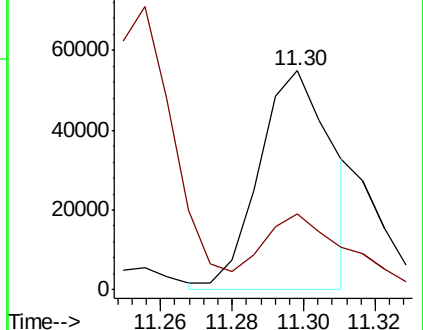
75 100

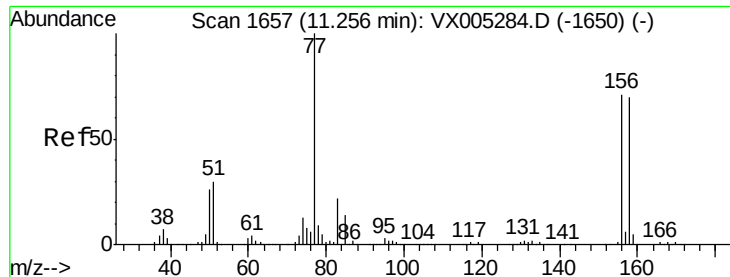
77 40.0 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.596 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1019WBSD01

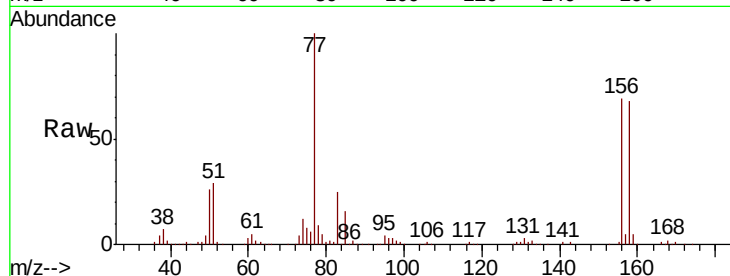
Tot Ion:156 Resp: 64475

Ion Ratio Lower Upper

156 100

77 143.5 71.5 214.3

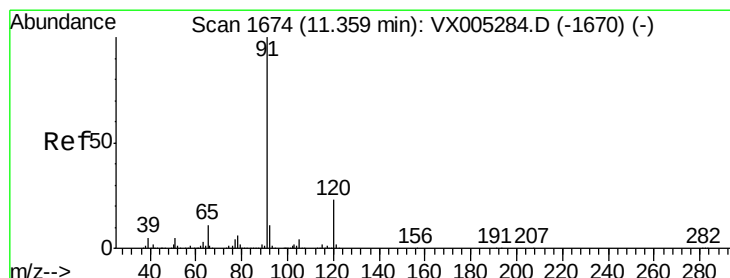
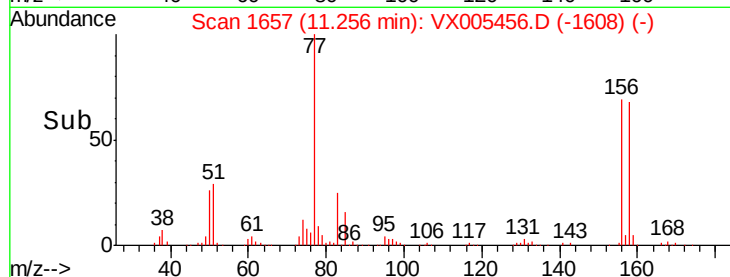
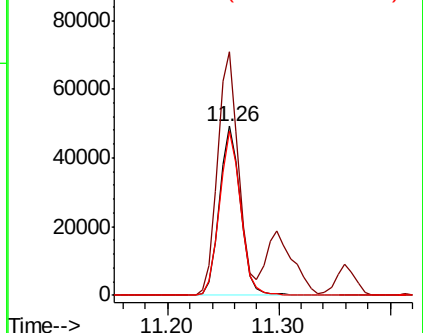
158 97.6 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.111 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005456.D

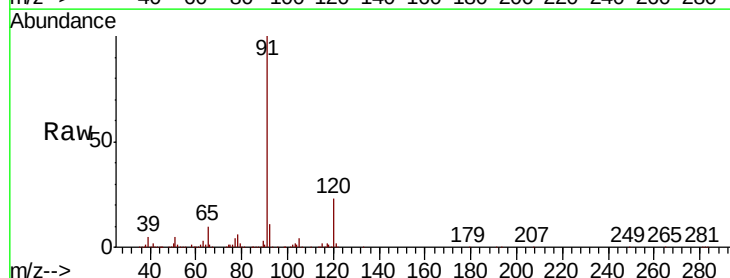
Acq: 19 Oct 2018 14:19

Tgt Ion: 91 Resp: 265974

Ion Ratio Lower Upper

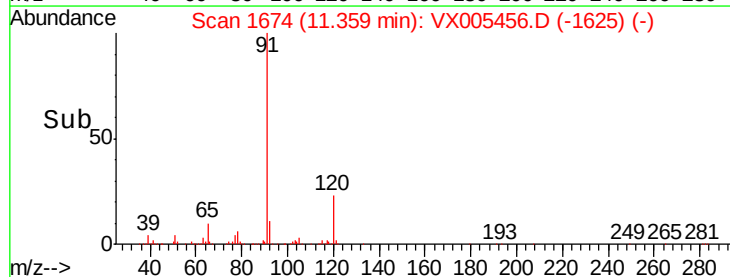
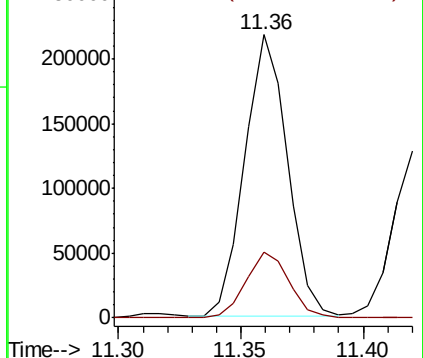
91 100

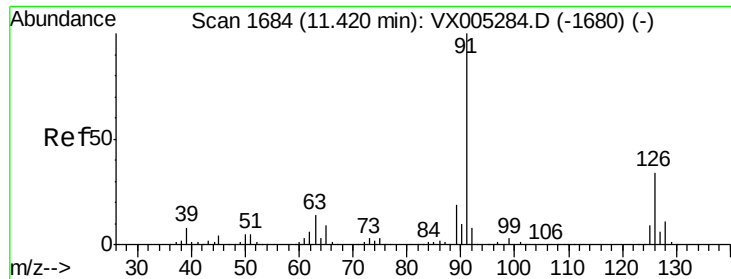
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

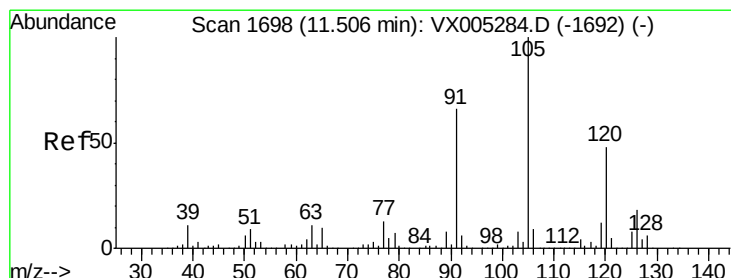
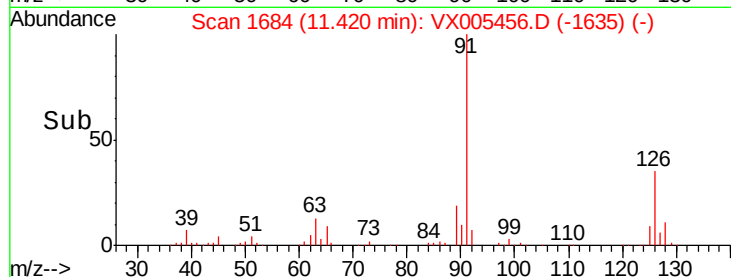
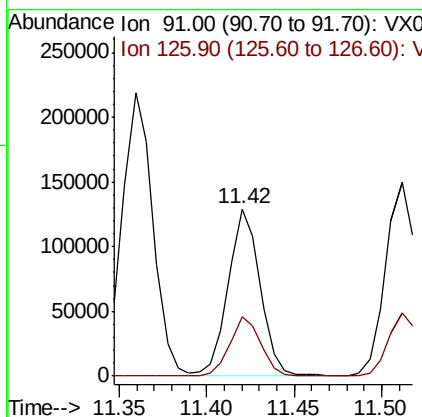
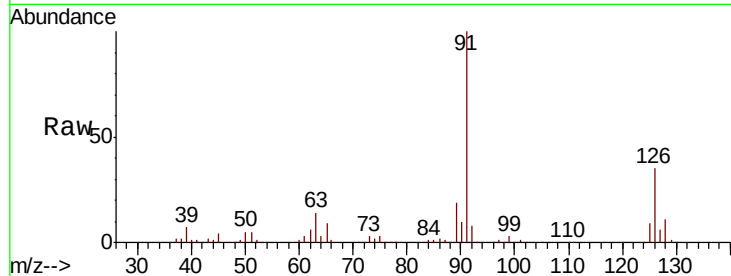




#79
 2-Chlorotoluene
 Concen: 21.002 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

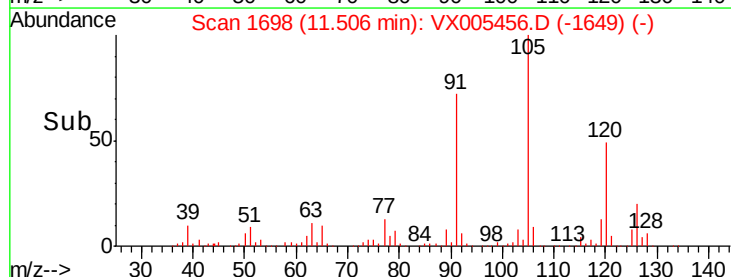
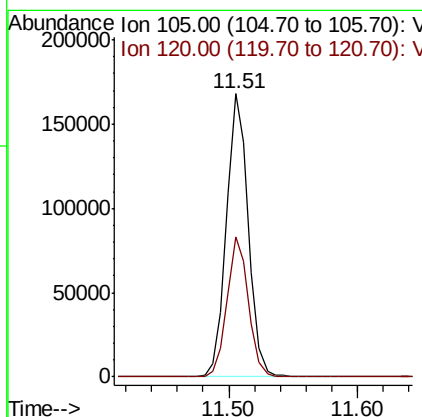
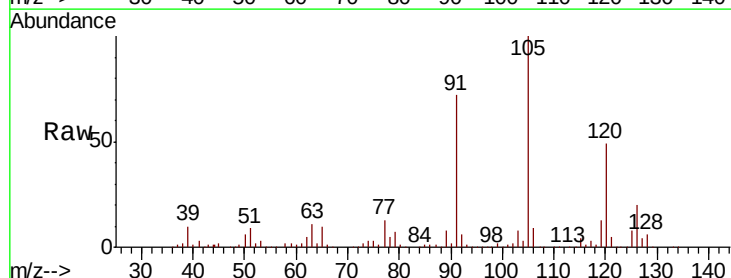
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

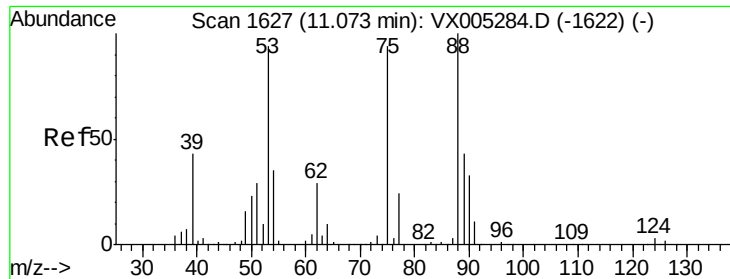
Tot Ion: 91 Resp: 162048
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 21.369 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion: 105 Resp: 200341
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.086 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampled :

VX1019WBSD01

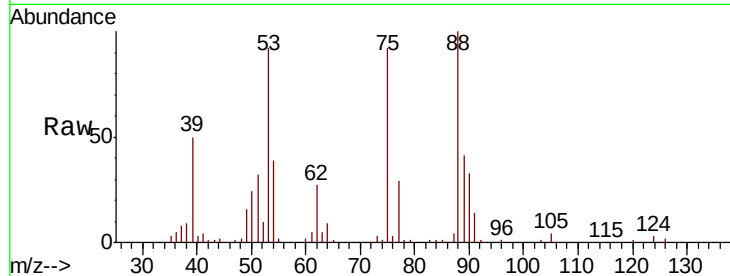
Tot Ion: 75 Resp: 22440

Ion Ratio Lower Upper

75 100

53 100.9 80.1 120.1

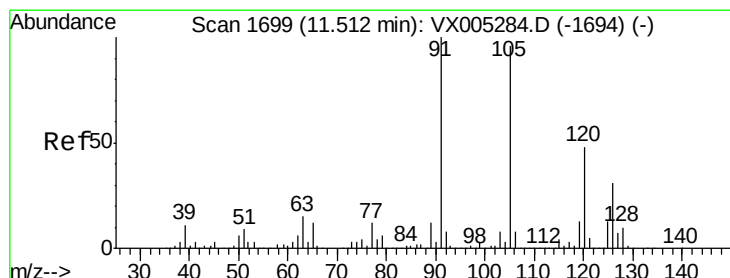
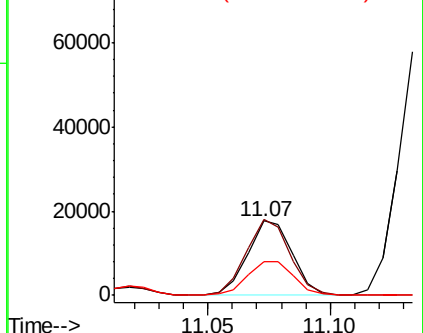
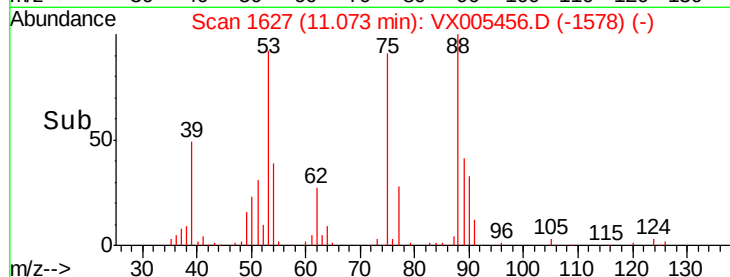
89 47.3 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.552 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005456.D

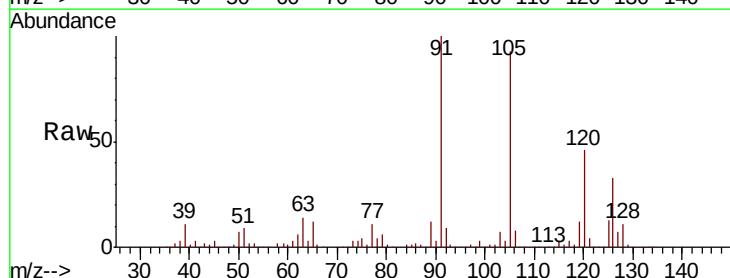
Acq: 19 Oct 2018 14:19

Tgt Ion: 91 Resp: 187976

Ion Ratio Lower Upper

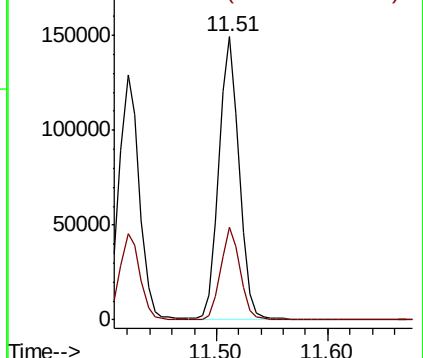
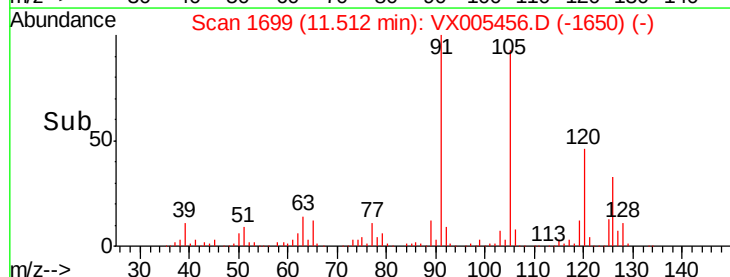
91 100

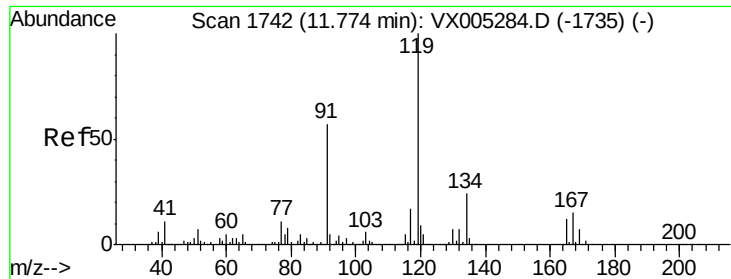
126 31.5 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

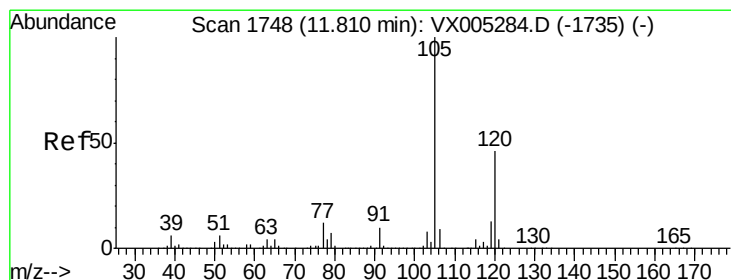
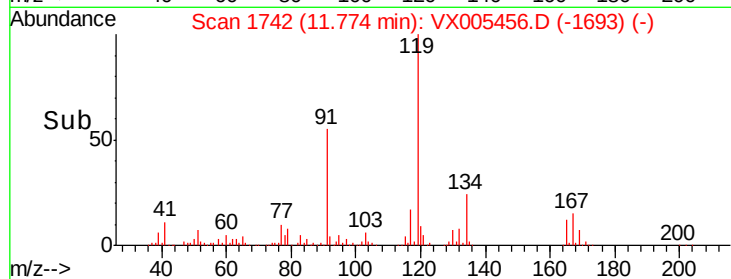
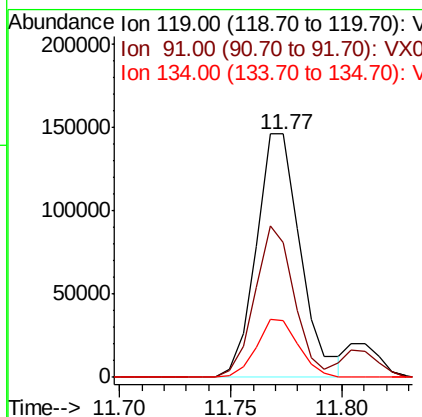
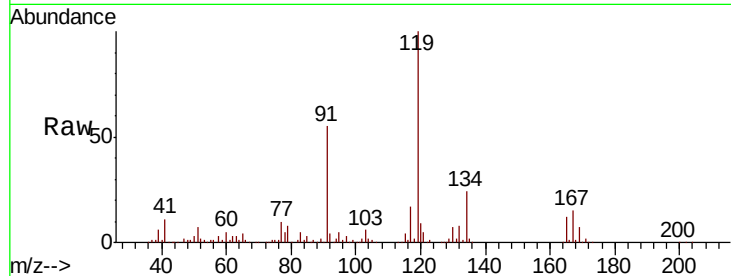




#83
 tert-Butylbenzene
 Concen: 21.242 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

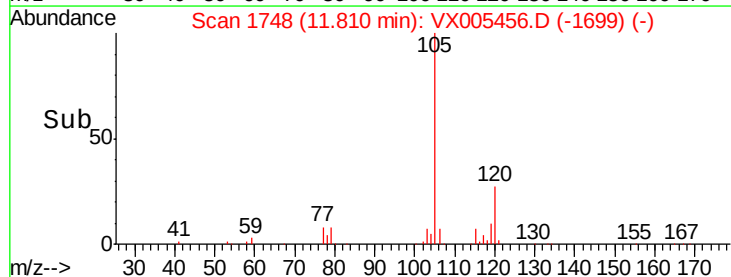
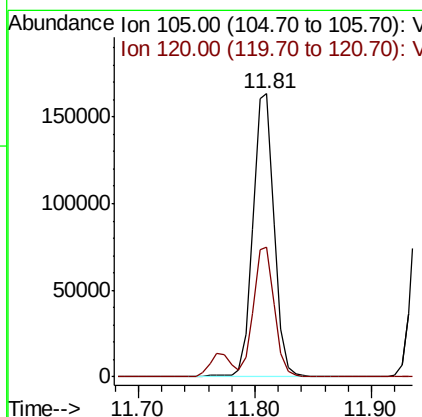
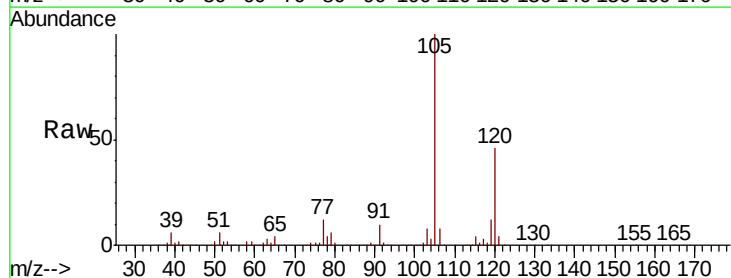
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

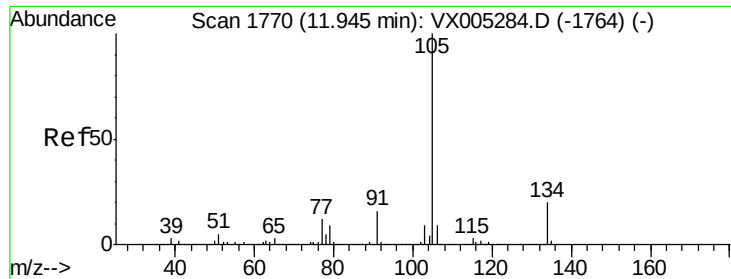
Tot Ion:119 Resp: 201677
 Ion Ratio Lower Upper
 119 100
 91 55.5 27.0 81.0
 134 22.9 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.512 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion:105 Resp: 207559
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.2 69.6





#85

sec-Butylbenzene

Concen: 21.452 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

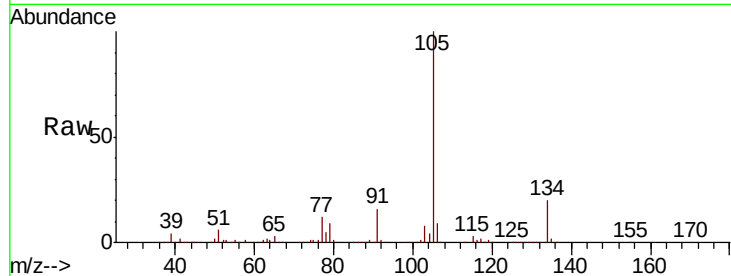
VX1019WBSD01

Tot Ion:105 Resp: 241027

Ion Ratio Lower Upper

105 100

134 20.5 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

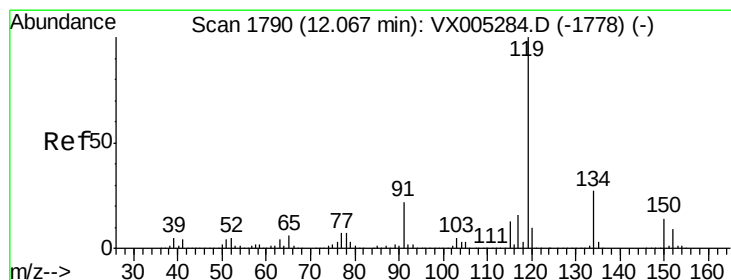
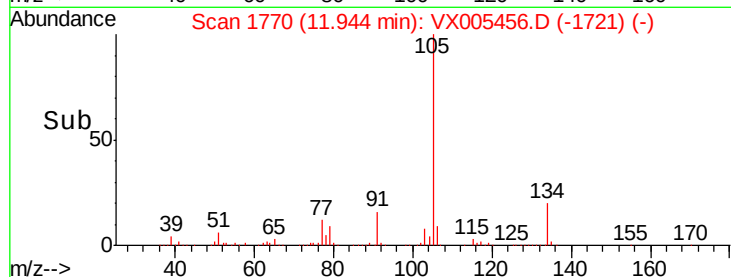
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.340 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

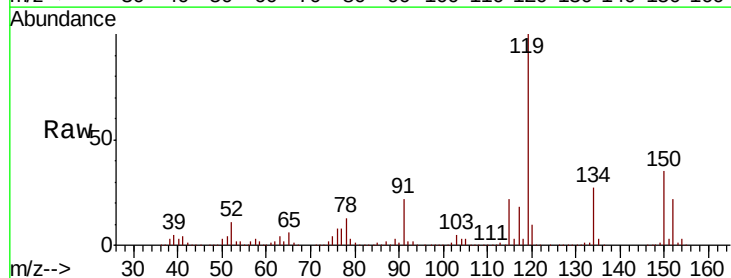
Tgt Ion:119 Resp: 216711

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.5 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

250000

200000

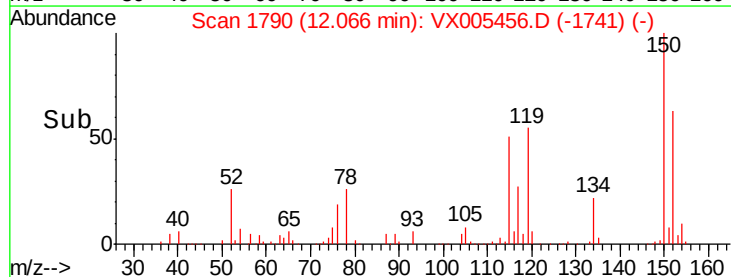
150000

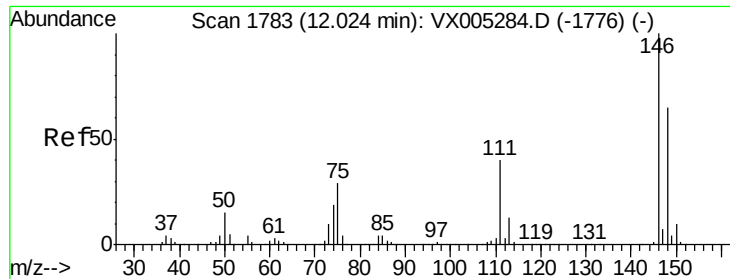
100000

50000

0

Time-->

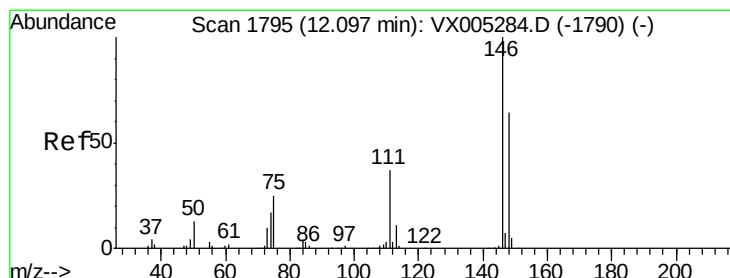
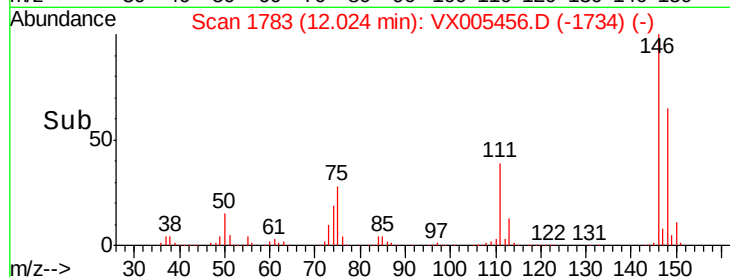
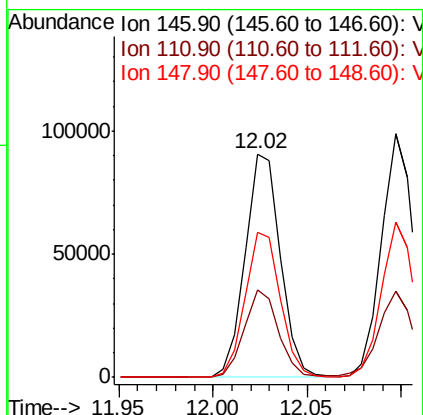
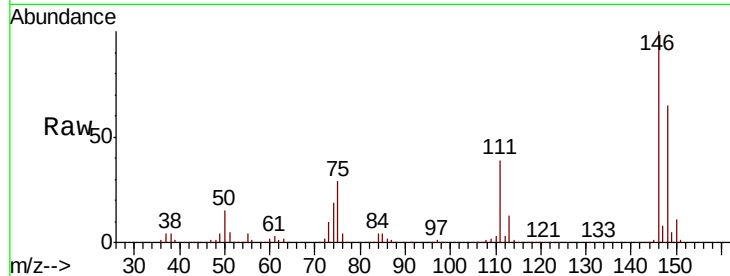




#87
 1,3-Dichlorobenzene
 Concen: 20.199 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

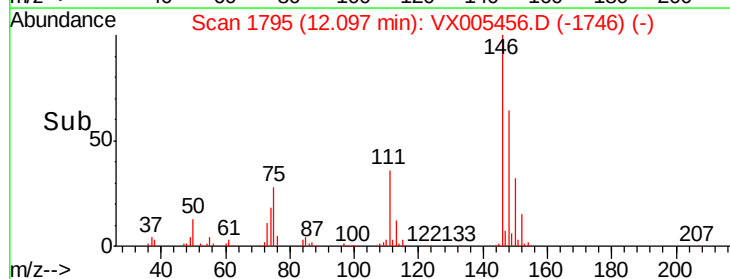
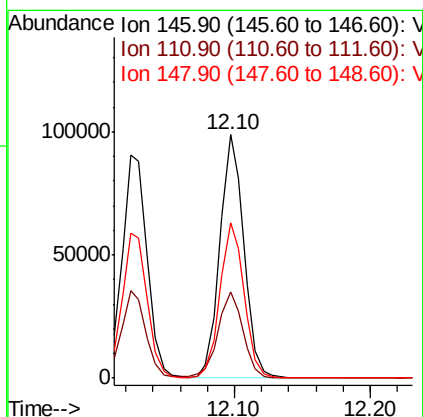
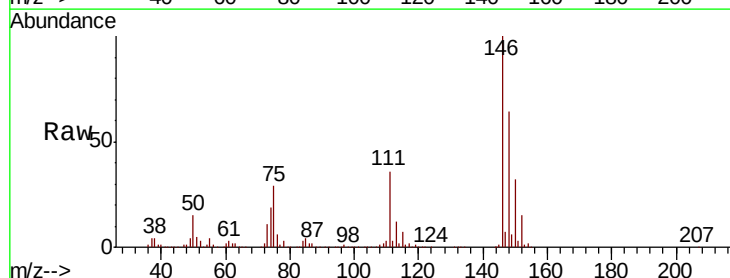
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

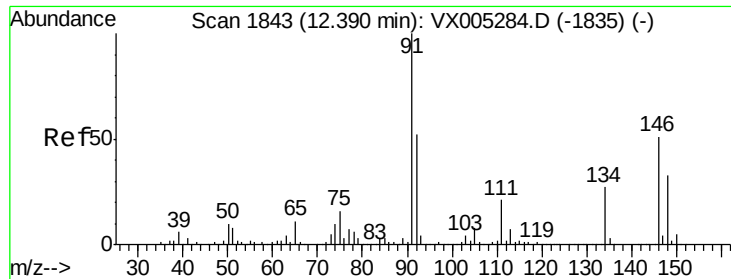
Tot Ion:146 Resp: 118156
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.7 56.1
 148 64.8 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 20.135 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion:146 Resp: 120491
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.1 54.1
 148 64.6 32.0 96.0

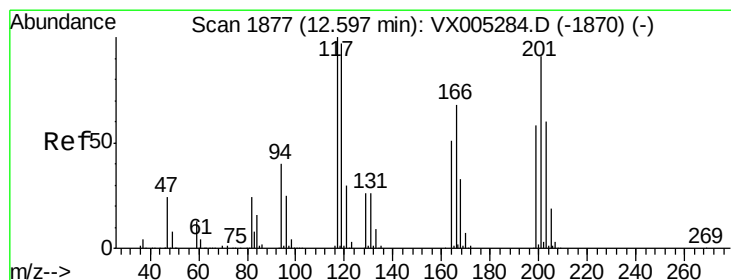
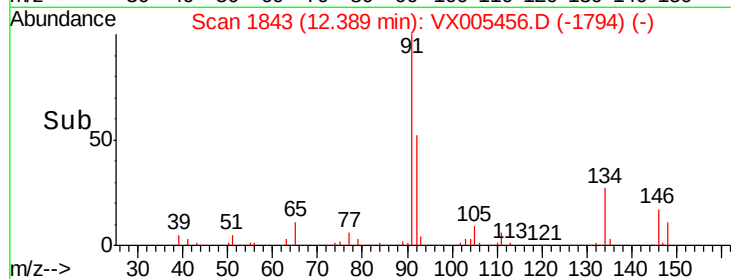
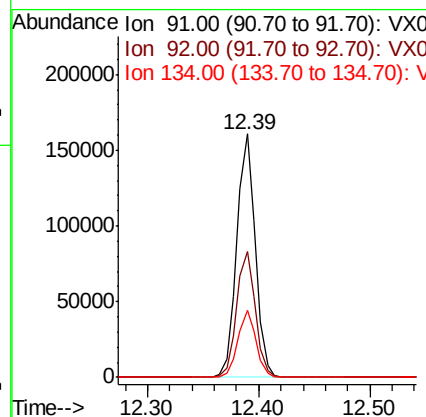
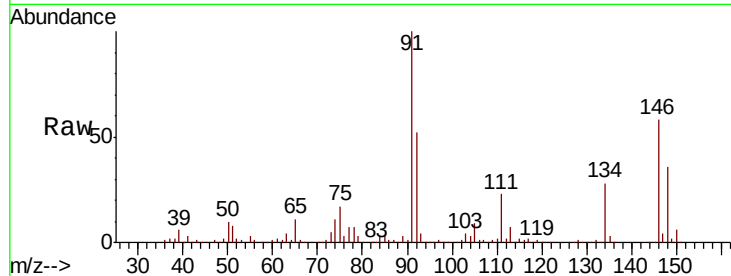




#89
n-Butylbenzene
Concen: 19.978 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

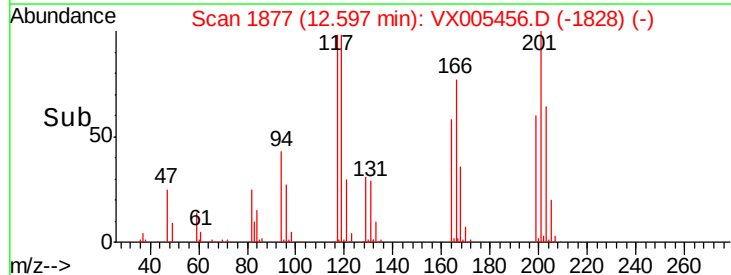
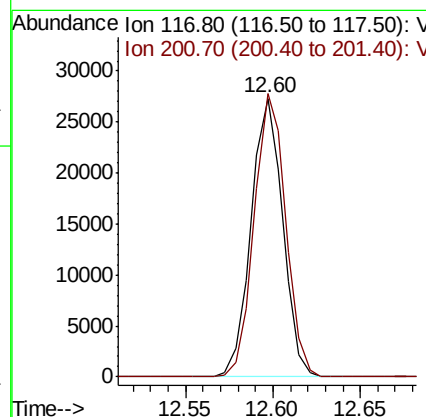
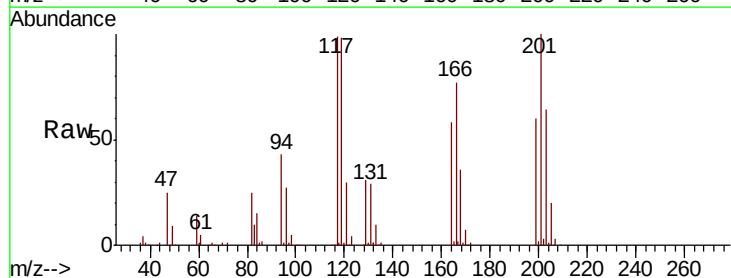
Instrument :
MSVOA_X
ClientSampled :
VX1019WBSD01

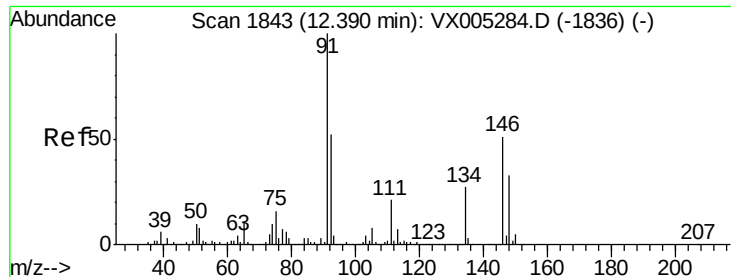
Tot Ion: 91 Resp: 184210
Ion Ratio Lower Upper
91 100
92 52.0 27.3 81.9
134 26.9 13.6 40.7



#90
Hexachloroethane
Concen: 19.757 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005456.D
Acq: 19 Oct 2018 14:19

Tgt Ion: 117 Resp: 34577
Ion Ratio Lower Upper
117 100
201 101.2 46.9 140.6

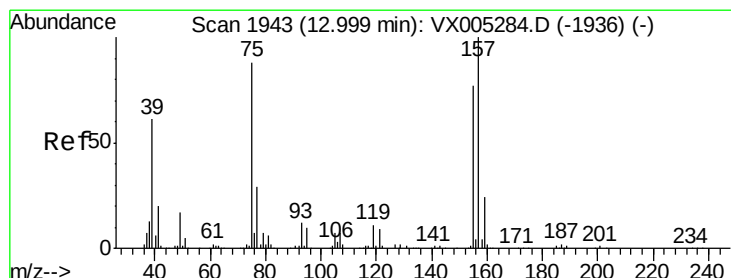
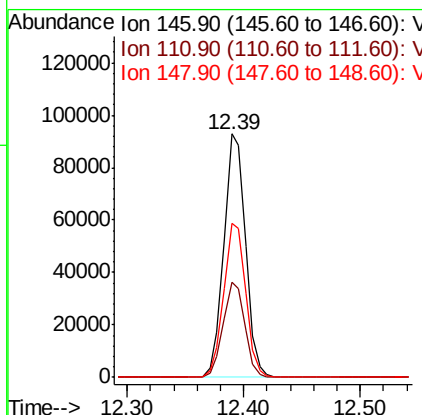
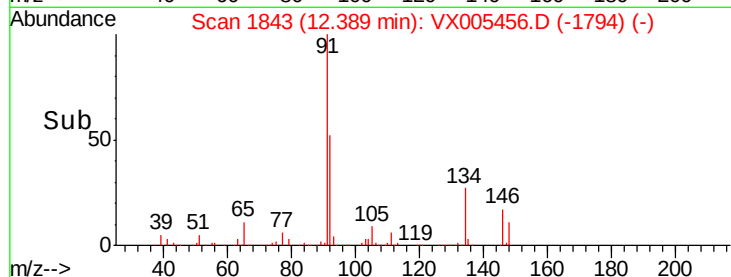
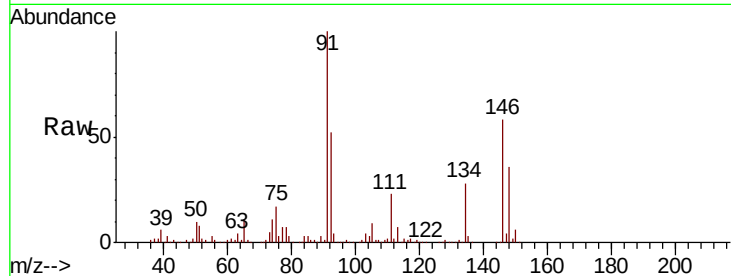




#91
 1,2-Dichlorobenzene
 Concen: 20.031 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

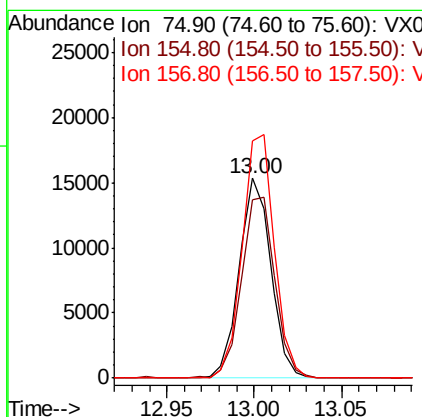
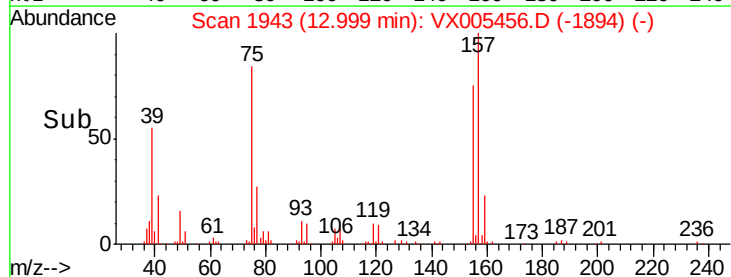
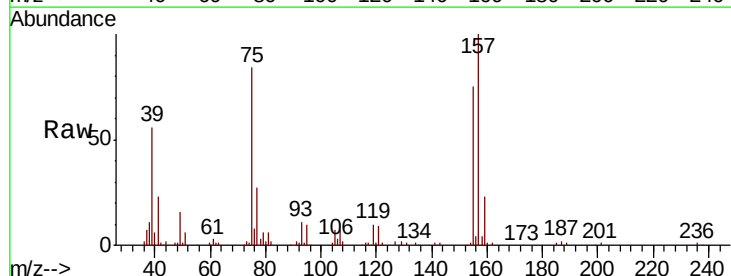
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

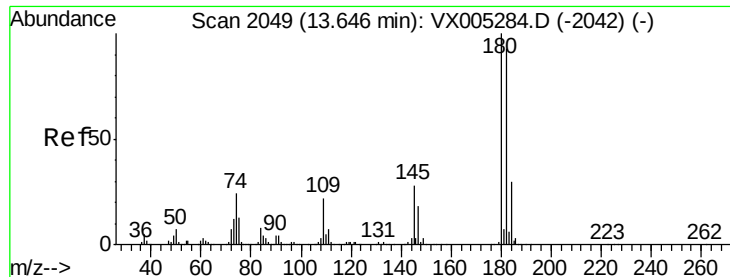
Tot Ion:146 Resp: 119570
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.1
 148 64.1 32.8 98.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.178 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion: 75 Resp: 19320
 Ion Ratio Lower Upper
 75 100
 155 95.3 48.0 144.2
 157 122.9 61.4 184.1

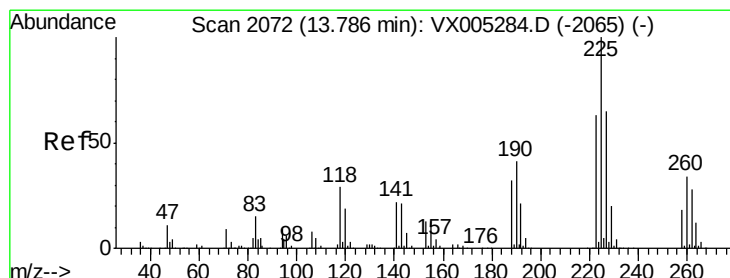
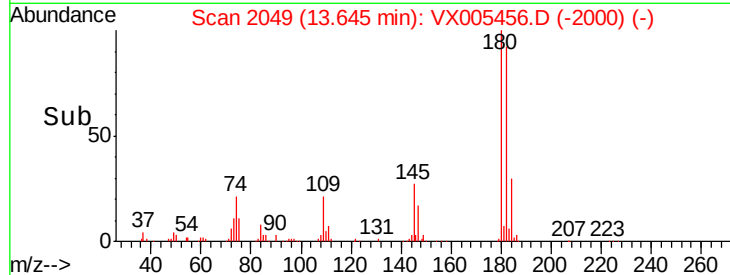
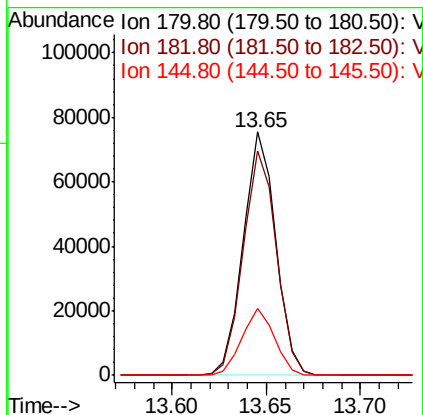
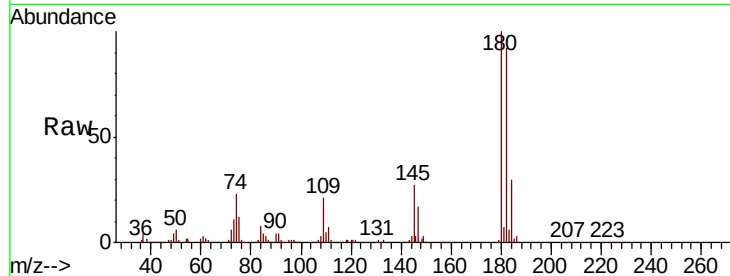




#93
 1,2,4-Trichlorobenzene
 Concen: 20.670 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

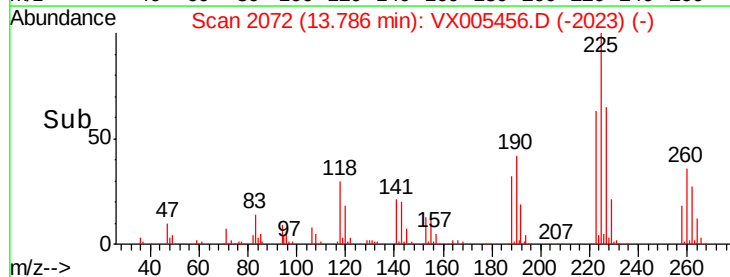
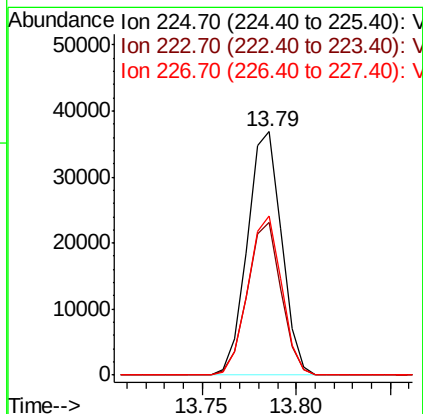
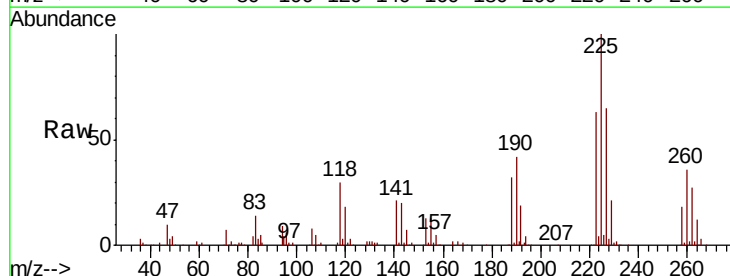
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1019WBSD01

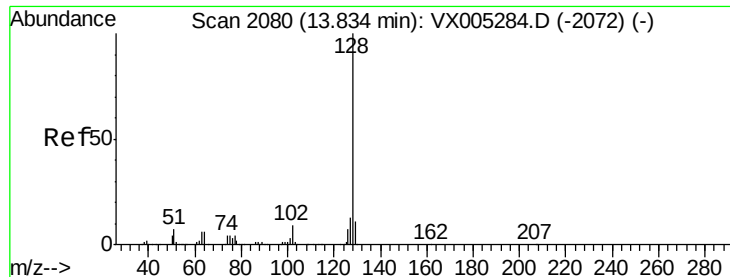
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.4	145.0
145	27.6	14.3	42.9



#94
 Hexachlorobutadiene
 Concen: 20.138 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005456.D
 Acq: 19 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	30.1	90.5
227	64.2	30.8	92.4





#95

Naphthalene

Concen: 21.364 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1019WBSD01

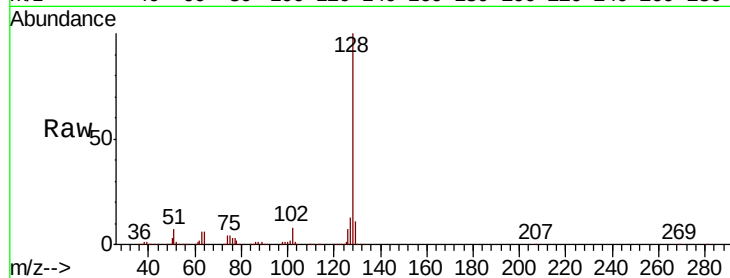
Tot Ion:128 Resp: 271343

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

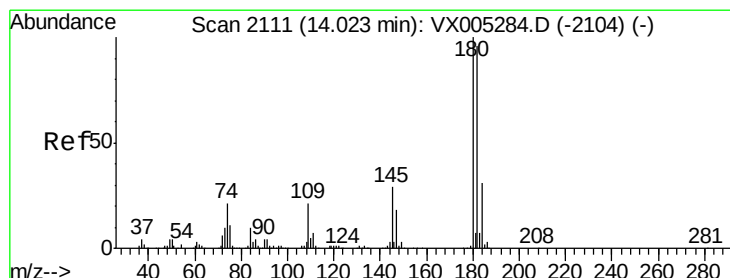
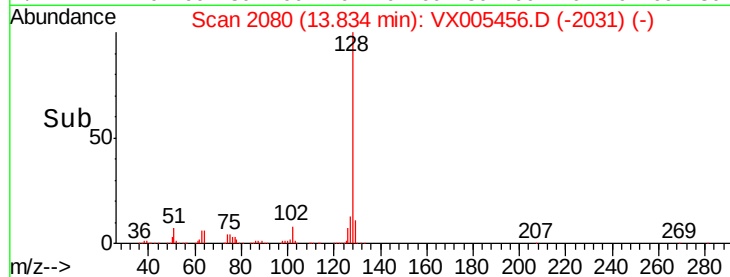
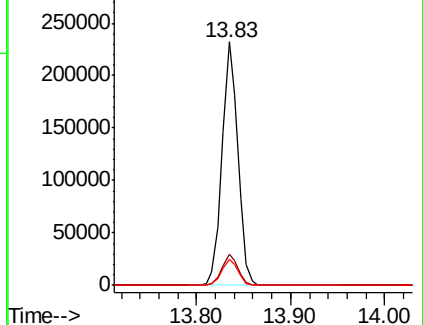
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.641 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VX005456.D

Acq: 19 Oct 2018 14:19

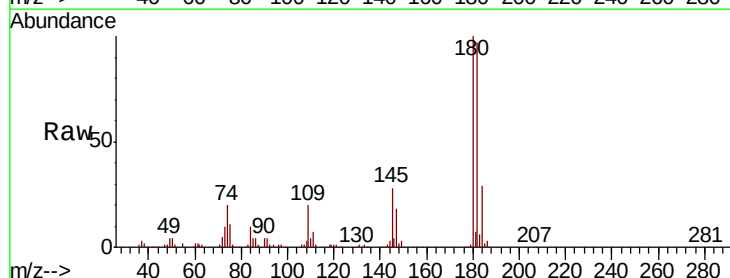
Tgt Ion:180 Resp: 92496

Ion Ratio Lower Upper

180 100

182 96.6 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

