

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005623.D
 Acq On : 26 Oct 2018 23:21
 Operator : JC/MD
 Sample : J5696-07MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

Quant Time: Oct 27 04:52:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	224161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	336608	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	134976	49.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.66%	
35) Dibromofluoromethane	5.50	113	106434	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
50) Toluene-d8	8.71	98	392853	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
62) 4-Bromofluorobenzene	11.14	95	149241	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	132448	59.861	ug/l	100
3) Chloromethane	1.32	50	148342	52.646	ug/l	99
4) Vinyl Chloride	1.41	62	146373	52.831	ug/l	99
5) Bromomethane	1.64	94	90765	52.648	ug/l	100
6) Chloroethane	1.71	64	92061	52.014	ug/l	100
7) Trichlorofluoromethane	1.93	101	192229	49.932	ug/l	99
8) Diethyl Ether	2.19	74	76103	49.534	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	108394	49.073	ug/l	100
10) Methyl Iodide	2.51	142	123866	53.493	ug/l	98
11) Tert butyl alcohol	3.08	59	170632	231.732	ug/l	99
12) 1,1-Dichloroethene	2.37	96	103083	48.989	ug/l	96
13) Acrolein	2.29	56	81234	216.272	ug/l	98
14) Allyl chloride	2.73	41	228172	48.587	ug/l	98
15) Acrylonitrile	3.14	53	404617	245.053	ug/l	98
16) Acetone	2.45	43	355924	246.160	ug/l	100
17) Carbon Disulfide	2.56	76	322373	50.258	ug/l	98
18) Methyl Acetate	2.78	43	177662	49.730	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	374587	49.905	ug/l	95
20) Methylene Chloride	2.85	84	116962	48.299	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	107672	46.866	ug/l	95
22) Diisopropyl ether	3.87	45	398518	48.594	ug/l #	91
23) Vinyl Acetate	3.82	43	1669977	231.217	ug/l	95
24) 1,1-Dichloroethane	3.70	63	220024	49.348	ug/l	99
25) 2-Butanone	4.70	43	535252	243.095	ug/l	96
26) 2,2-Dichloropropane	4.58	77	145004	42.125	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	121880	49.208	ug/l	99
28) Bromochloromethane	5.02	49	103151	47.833	ug/l	94
29) Tetrahydrofuran	5.15	42	366868	256.032	ug/l	98
30) Chloroform	5.22	83	214959	51.541	ug/l	90
31) Cyclohexane	5.57	56	193233	52.380	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	177906	48.331	ug/l	99
36) 1,1-Dichloropropene	5.80	75	156310	47.850	ug/l	98
37) Ethyl Acetate	4.85	43	177750	42.641	ug/l	98
38) Carbon Tetrachloride	5.78	117	159516	46.364	ug/l	97

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Quant Time: Oct 27 04:52:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	172393	47.792	ug/l	99
40) Benzene	6.14	78	484449	51.734	ug/l	99
41) Methacrylonitrile	5.06	41	114521	49.320	ug/l	96
42) 1,2-Dichloroethane	6.20	62	170697	47.985	ug/l	100
43) Isopropyl Acetate	6.46	43	288492	46.184	ug/l	98
44) Trichloroethene	7.21	130	120112	47.084	ug/l	100
45) 1,2-Dichloropropane	7.51	63	121068	48.089	ug/l	90
46) Dibromomethane	7.66	93	76229	46.881	ug/l	99
47) Bromodichloromethane	7.90	83	149848	47.483	ug/l	100
48) Methyl methacrylate	7.77	41	153565	50.464	ug/l	98
49) 1,4-Dioxane	7.76	88	57073	858.220	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1005448	239.502	ug/l	100
52) Toluene	8.79	92	273980	48.142	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	164675	48.281	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	177116	48.232	ug/l	95
55) 1,1,2-Trichloroethane	9.22	97	113162	47.163	ug/l	96
56) Ethyl methacrylate	9.18	69	182085	50.877	ug/l	99
57) 1,3-Dichloropropane	9.37	76	192095	47.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.28	63	1533	0.767	ug/l #	48
59) 2-Hexanone	9.50	43	795320	240.280	ug/l	99
60) Dibromochloromethane	9.59	129	121831	48.667	ug/l	99
61) 1,2-Dibromoethane	9.67	107	117477	47.326	ug/l	100
64) Tetrachloroethene	9.34	164	114181	45.569	ug/l	97
65) Chlorobenzene	10.14	112	306770	47.728	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	113985	48.635	ug/l	99
67) Ethyl Benzene	10.25	91	533304	50.430	ug/l	100
68) m/p-Xylenes	10.36	106	412196	100.466	ug/l	100
69) o-Xylene	10.70	106	199171	51.598	ug/l	100
70) Styrene	10.71	104	333505	51.612	ug/l	99
71) Bromoform	10.86	173	101722	48.639	ug/l	98
73) Isopropylbenzene	11.02	105	536915	52.060	ug/l	99
74) N-amyl acetate	10.90	43	246749	48.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	186803	49.095	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	214138	59.903	ug/l	86
77) Bromobenzene	11.26	156	144358	50.224	ug/l	98
78) n-propylbenzene	11.36	91	616661	52.290	ug/l	100
79) 2-Chlorotoluene	11.42	91	368756	50.431	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	460251	52.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52593	48.073	ug/l	95
82) 4-Chlorotoluene	11.51	91	434949	50.446	ug/l	99
83) tert-Butylbenzene	11.77	119	464523	52.820	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	474963	53.118	ug/l	100
85) sec-Butylbenzene	11.94	105	549010	52.317	ug/l	100
86) p-Isopropyltoluene	12.07	119	493350	52.590	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	265473	49.117	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	265992	47.146	ug/l	99
89) n-Butylbenzene	12.39	91	428587	50.607	ug/l	100
90) Hexachloroethane	12.60	117	83357	51.520	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	270078	49.389	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	45291	49.229	ug/l	95

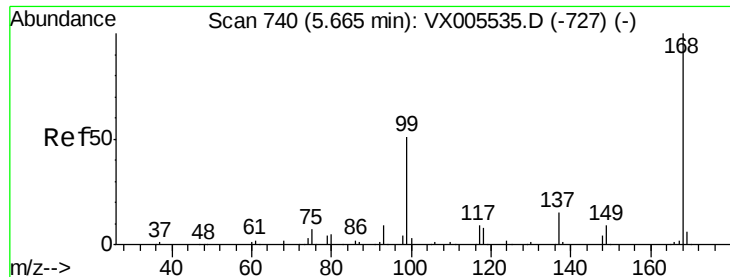
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\
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Quant Time: Oct 27 04:52:21 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	202091	50.981	ug/l	100
94) Hexachlorobutadiene	13.79	225	93482	45.507	ug/l	99
95) Naphthalene	13.83	128	631618	54.816	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	204789	50.964	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

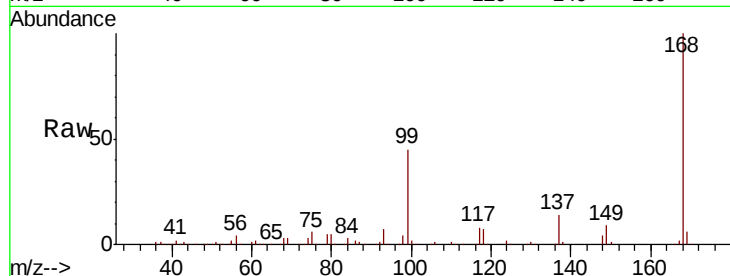
DL-SW-01MSD

Tot Ion:168 Resp: 224161

Ion Ratio Lower Upper

168 100

99 44.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

60000

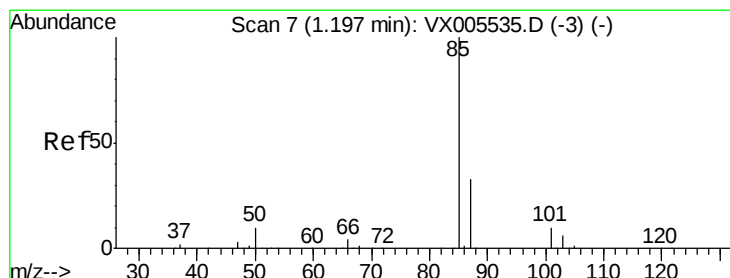
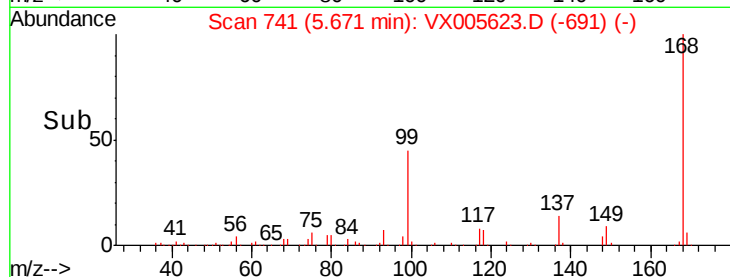
40000

20000

0

5.50 5.60 5.70 5.80 5.90

Time-->



#2

Dichlorodifluoromethane

Concen: 59.861 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005623.D

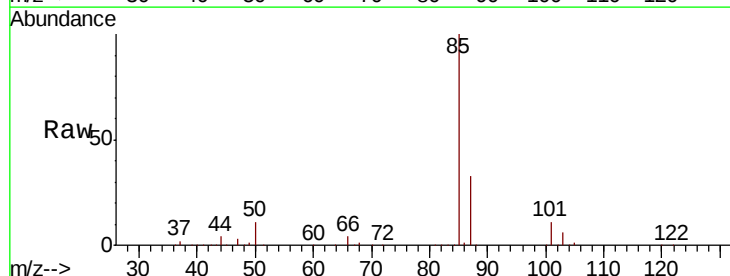
Acq: 26 Oct 2018 23:21

Tgt Ion: 85 Resp: 132448

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

150000

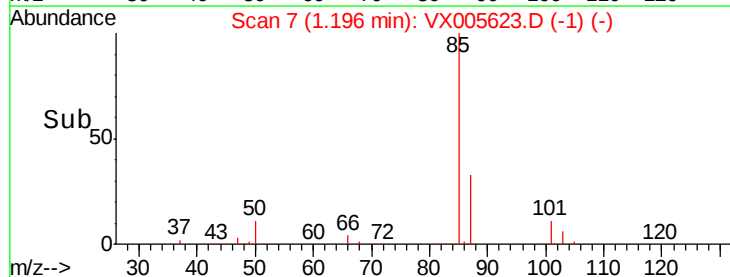
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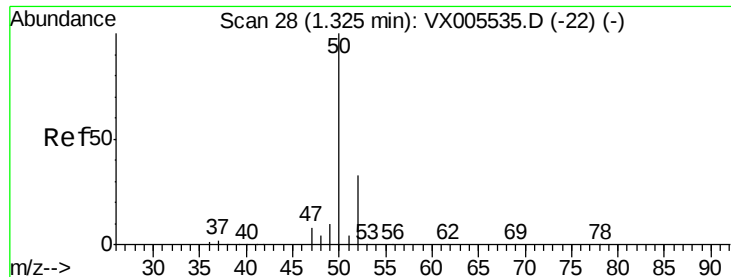
50000

0

1.15 1.20 1.25 1.30

Time-->

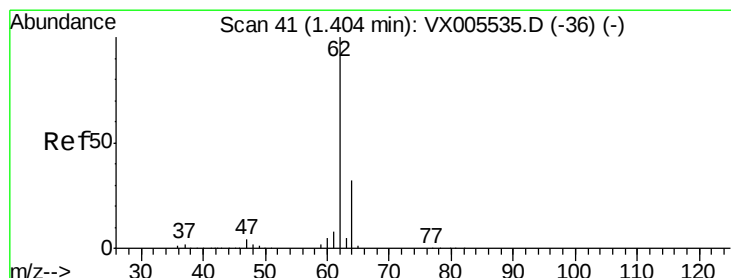
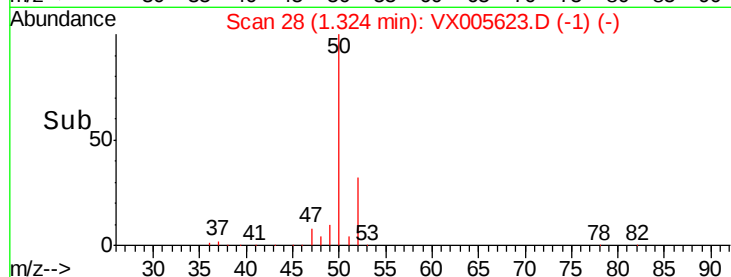
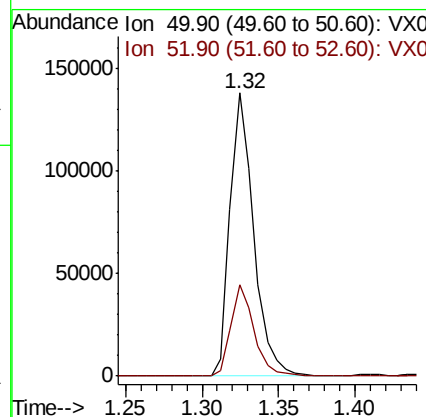
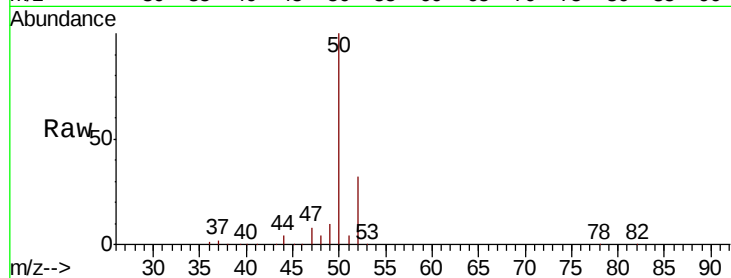




#3
Chloromethane
Concen: 52.646 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

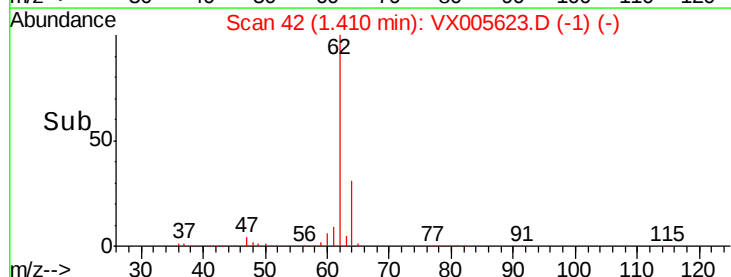
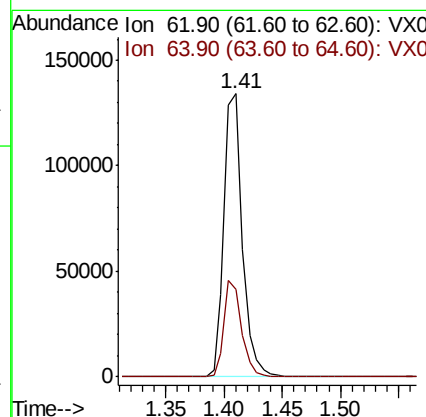
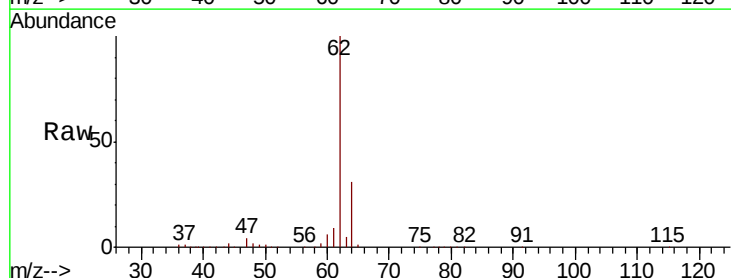
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

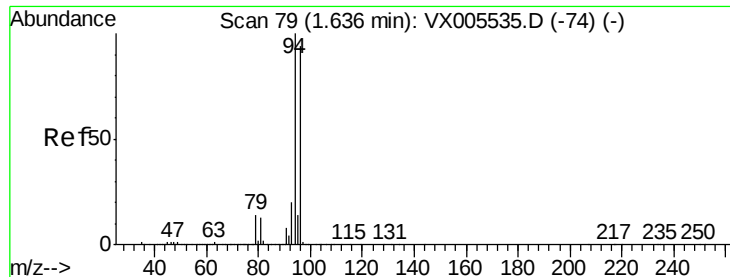
Tot Ion: 50 Resp: 148342
Ion Ratio Lower Upper
50 100
52 32.4 26.2 39.2



#4
Vinyl Chloride
Concen: 52.831 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion: 62 Resp: 146373
Ion Ratio Lower Upper
62 100
64 31.1 25.3 37.9





#5

Bromomethane

Concen: 52.648 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

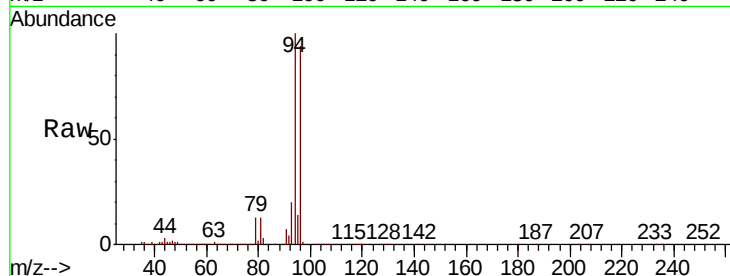
DL-SW-01MSD

Tot Ion: 94 Resp: 90765

Ion Ratio Lower Upper

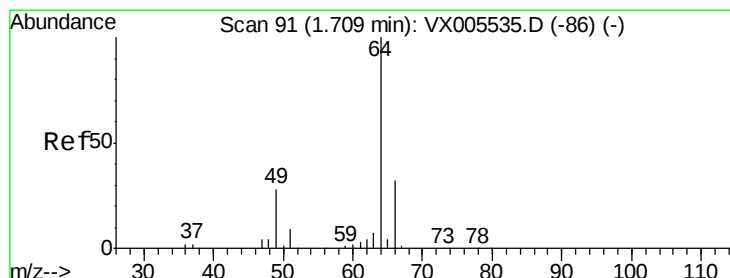
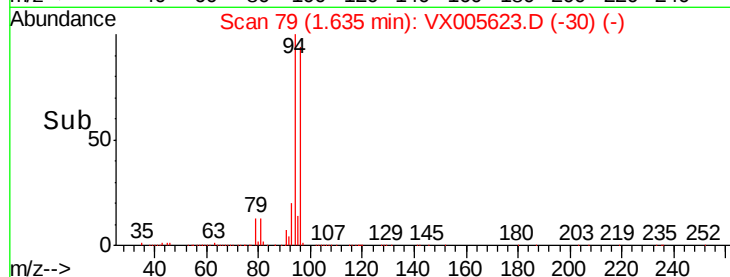
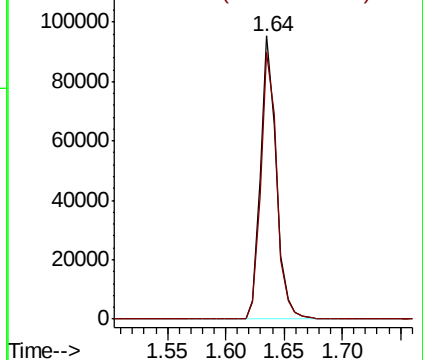
94 100

96 94.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 52.014 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005623.D

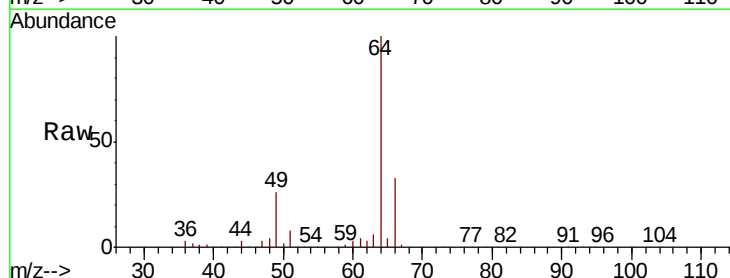
Acq: 26 Oct 2018 23:21

Tgt Ion: 64 Resp: 92061

Ion Ratio Lower Upper

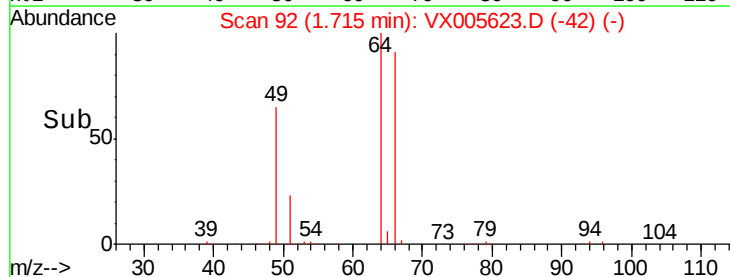
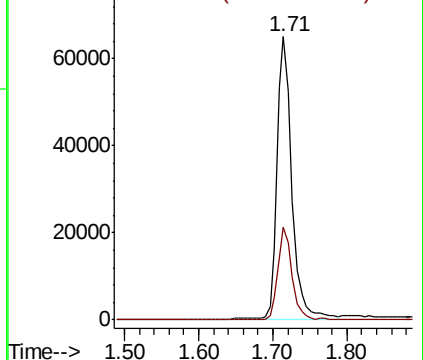
64 100

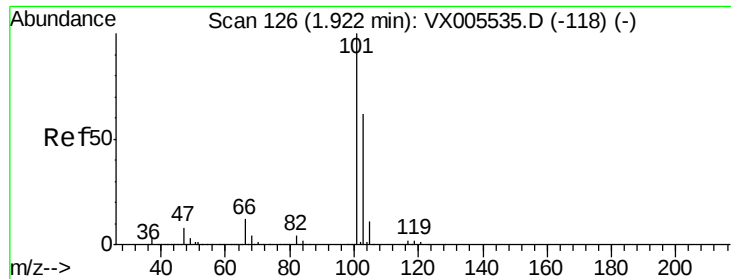
66 32.4 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



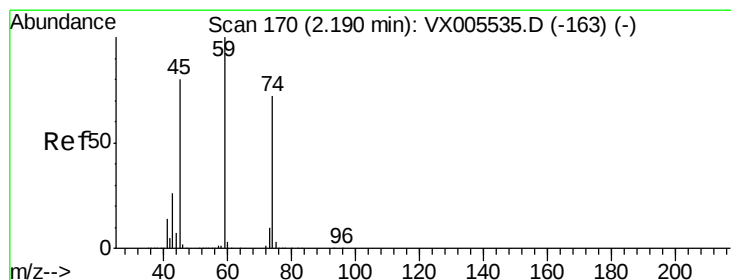
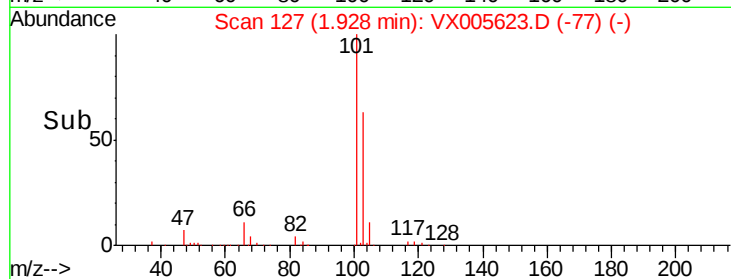
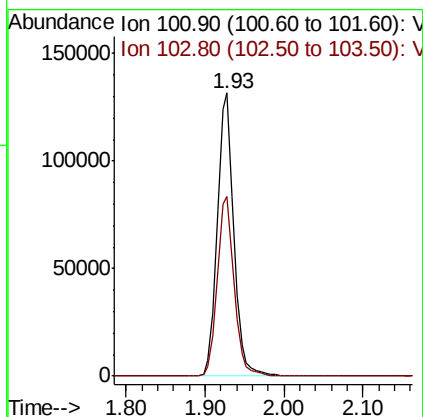
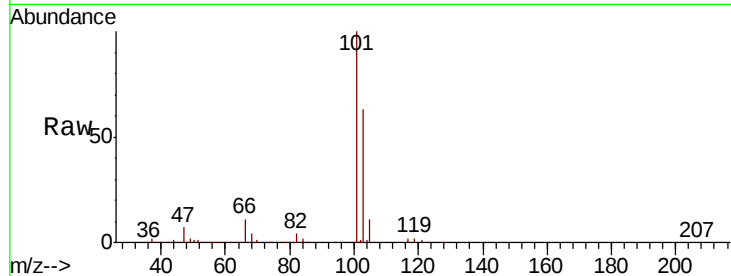


#7

Trichlorofluoromethane
 Concen: 49.932 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

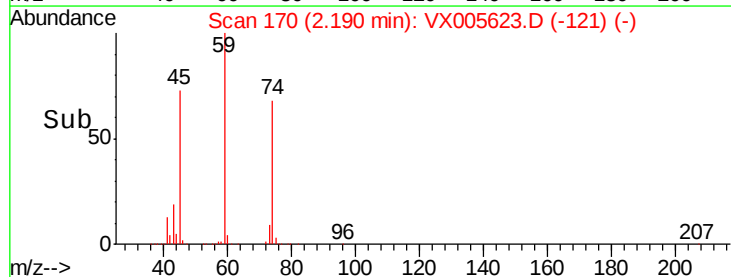
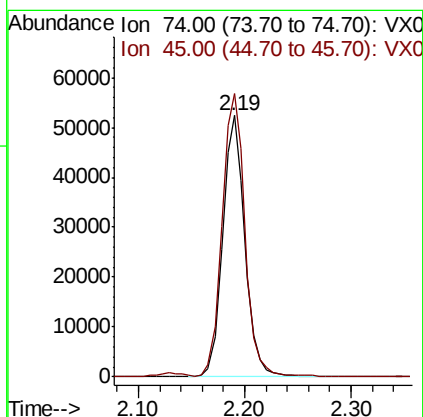
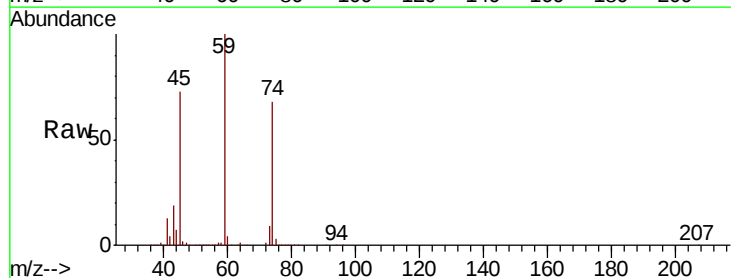
Tot Ion:101 Resp: 192229
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.0 75.0



#8

Diethyl Ether
 Concen: 49.534 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion: 74 Resp: 76103
 Ion Ratio Lower Upper
 74 100
 45 110.5 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.073 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

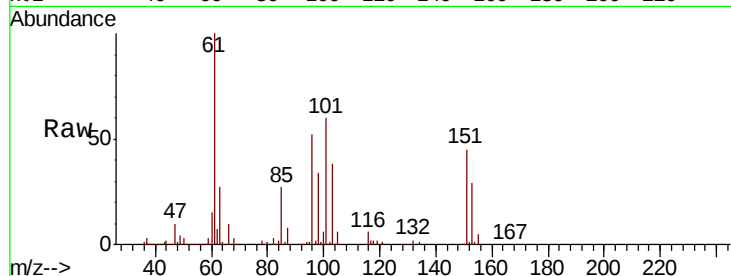
Tot Ion:101 Resp: 108394

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.4

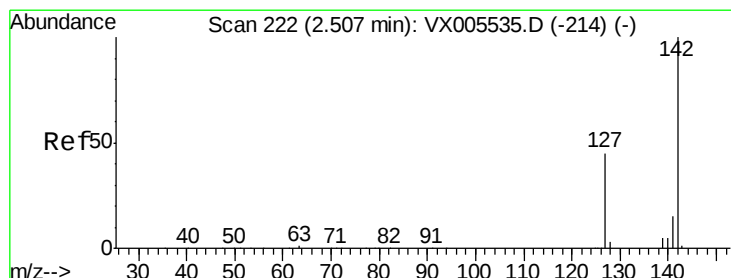
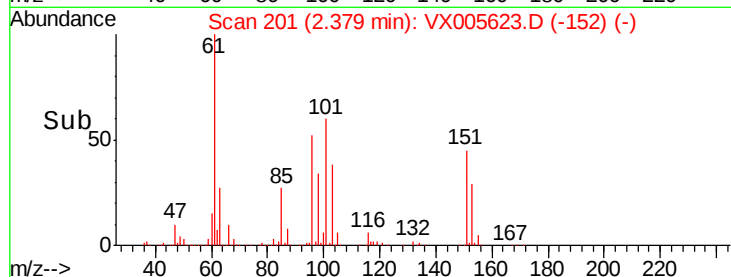
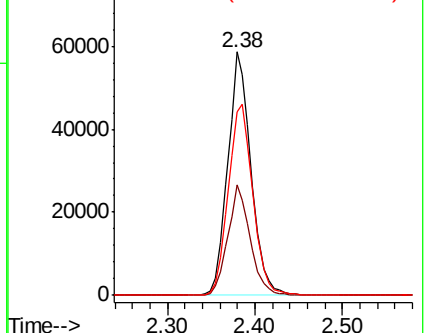
151 83.1 66.2 99.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.493 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

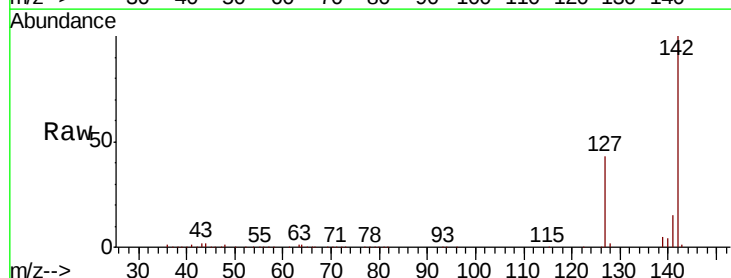
Tgt Ion:142 Resp: 123866

Ion Ratio Lower Upper

142 100

127 43.7 36.0 54.0

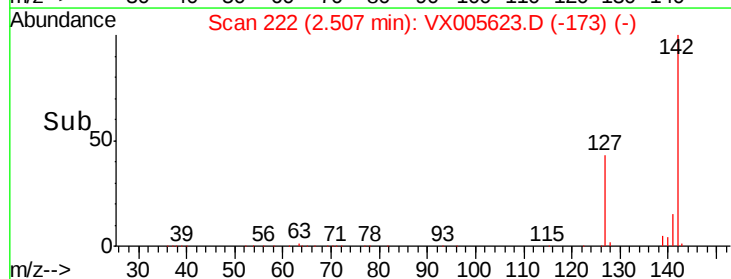
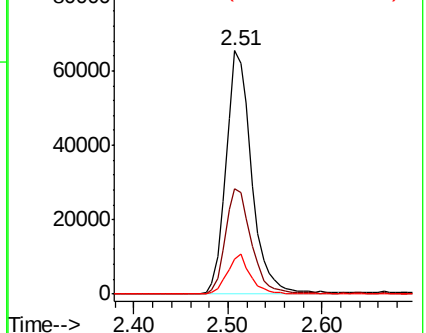
141 14.9 11.7 17.5

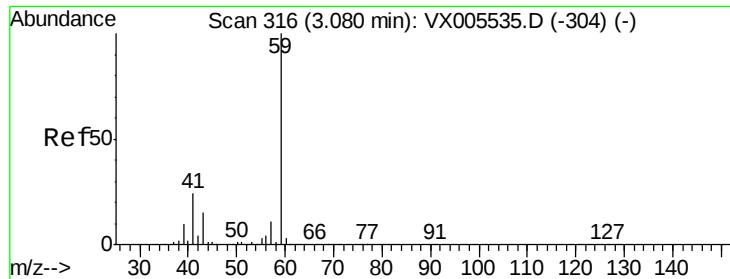


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



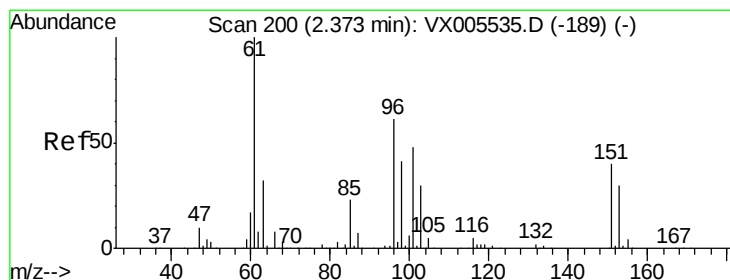
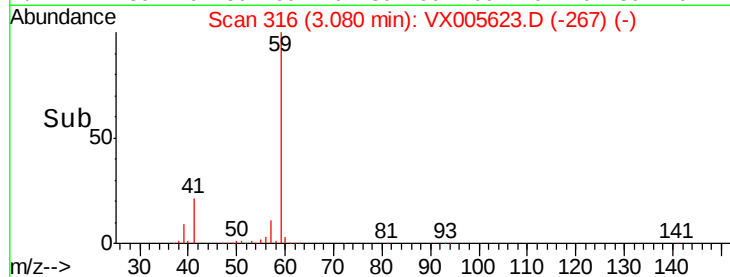
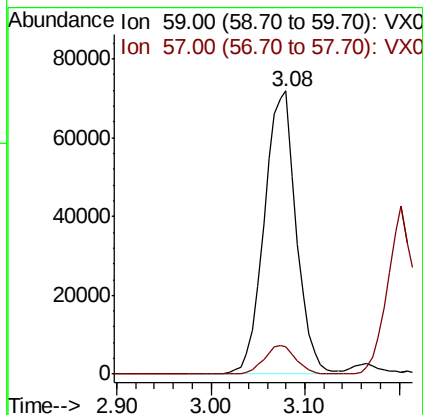
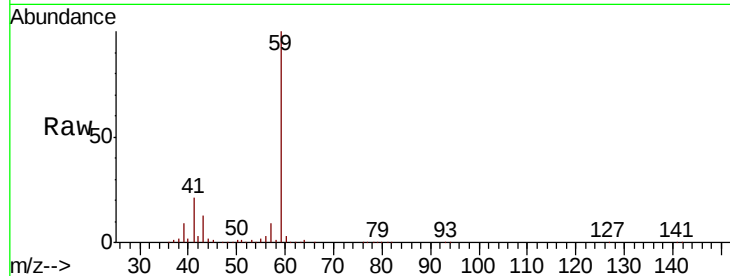


#11

Tert butyl alcohol
 Concen: 231.732 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

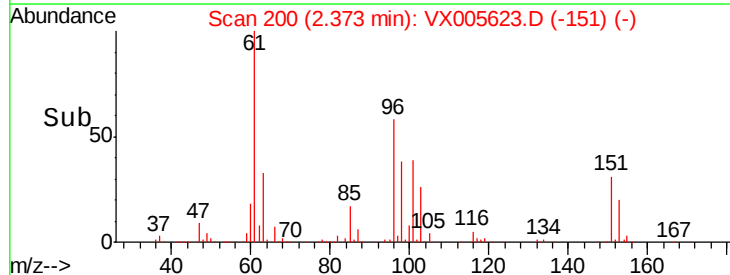
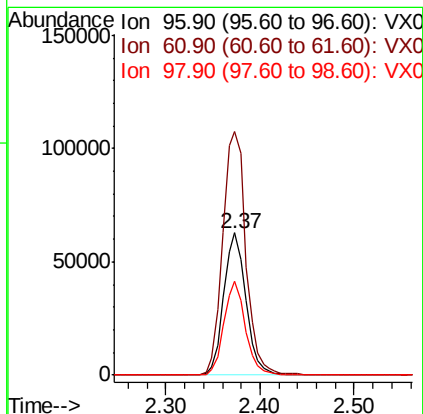
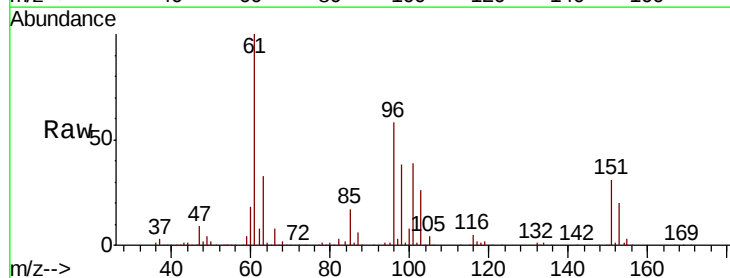
Tot Ion: 59 Resp: 170632
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7

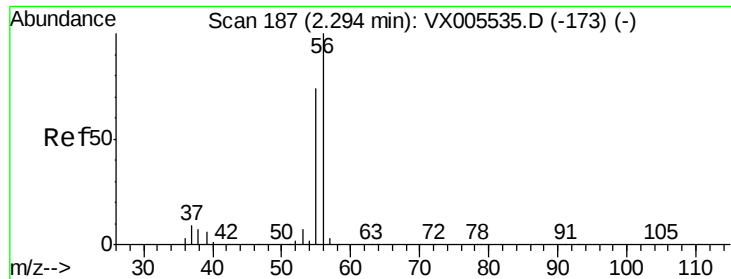


#12

1,1-Dichloroethene
 Concen: 48.989 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion: 96 Resp: 103083
 Ion Ratio Lower Upper
 96 100
 61 171.4 131.8 197.8
 98 66.0 53.4 80.2

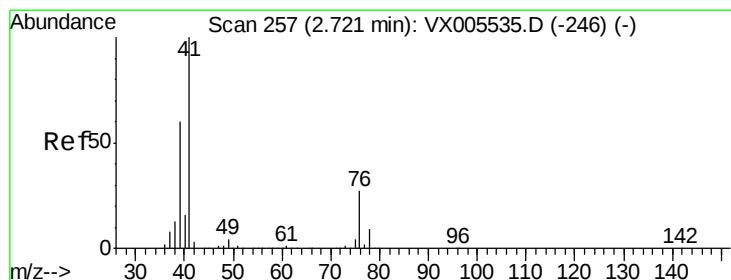
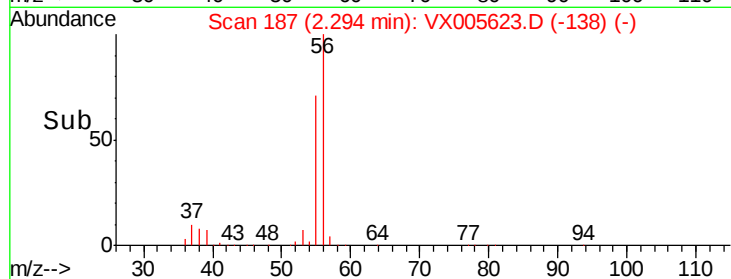
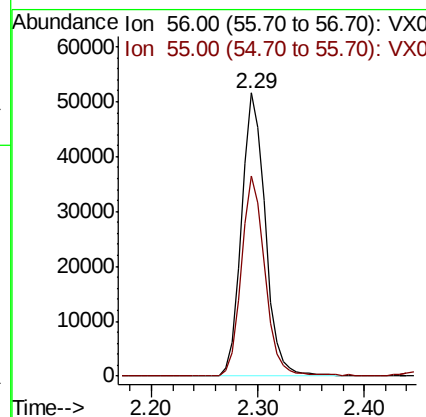
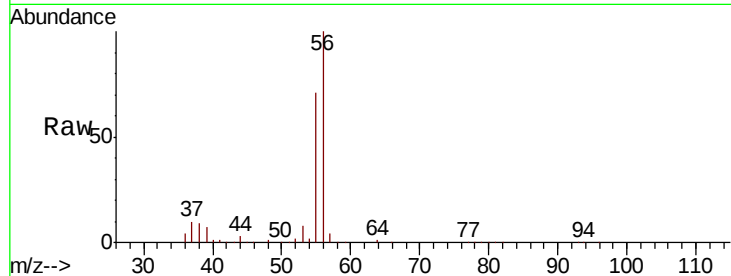




#13
Acrolein
Concen: 216.272 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

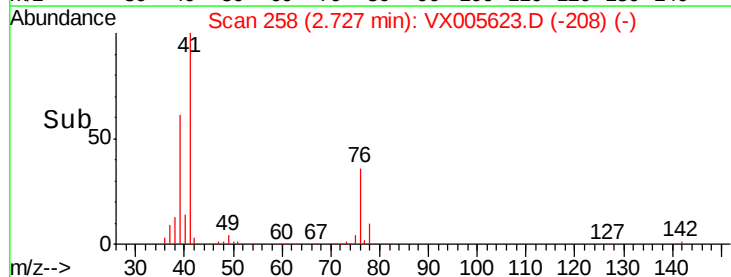
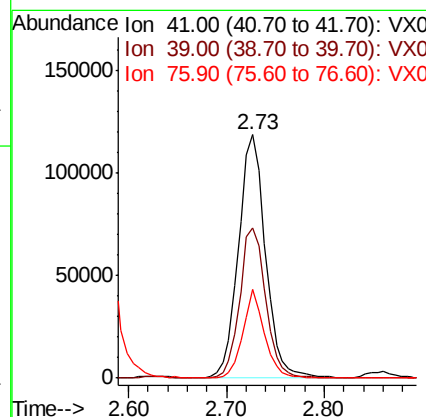
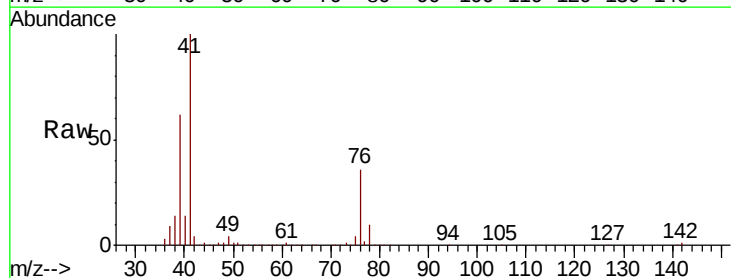
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

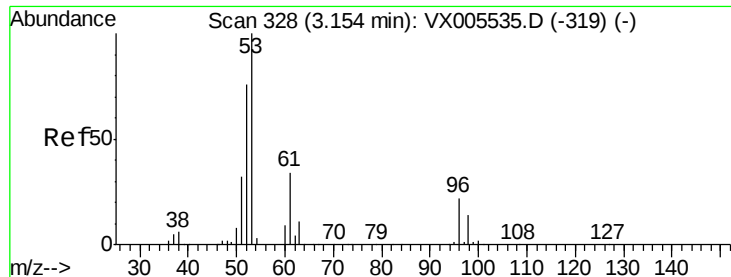
Tot Ion: 56 Resp: 81234
Ion Ratio Lower Upper
56 100
55 70.3 57.3 85.9



#14
Allyl chloride
Concen: 48.587 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion: 41 Resp: 228172
Ion Ratio Lower Upper
41 100
39 59.5 48.2 72.4
76 29.1 21.9 32.9





#15

Acrylonitrile

Concen: 245.053 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

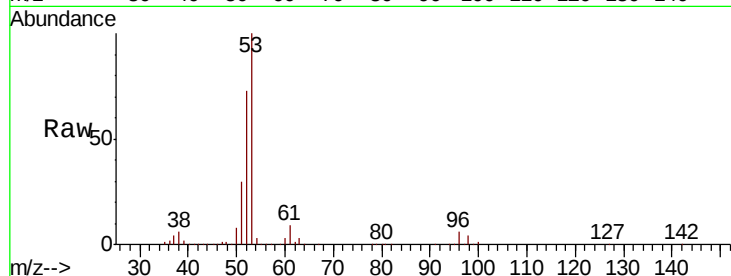
Tot Ion: 53 Resp: 404617

Ion Ratio Lower Upper

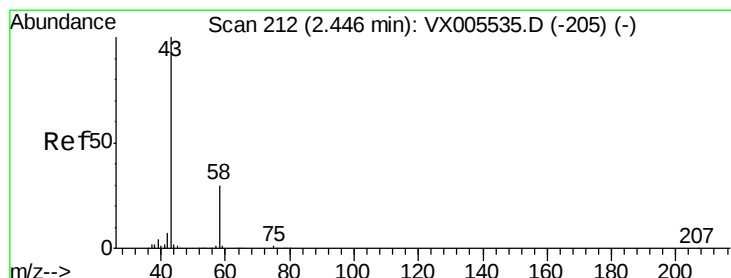
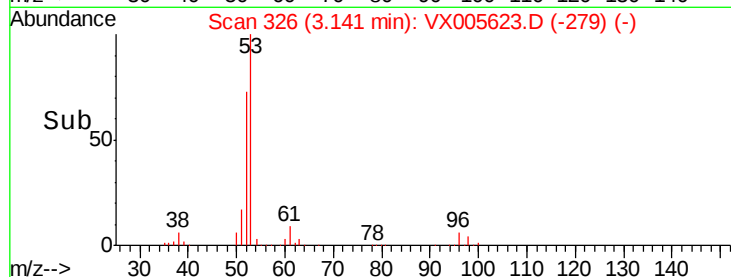
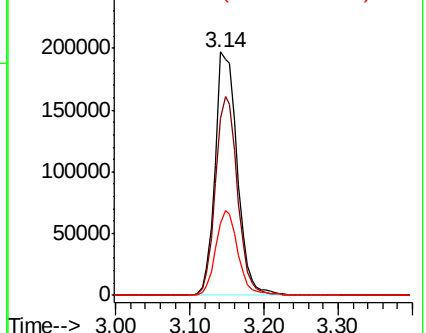
53 100

52 81.0 66.6 99.8

51 34.8 28.4 42.6



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: 246.160 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005623.D

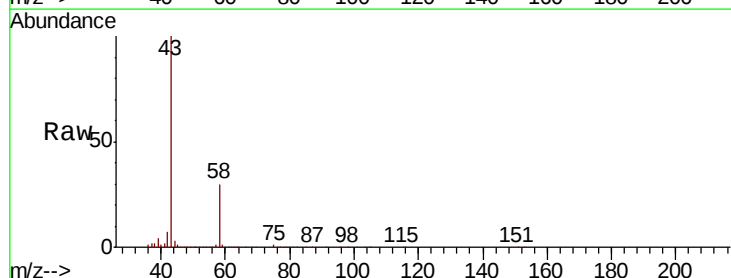
Acq: 26 Oct 2018 23:21

Tgt Ion: 43 Resp: 355924

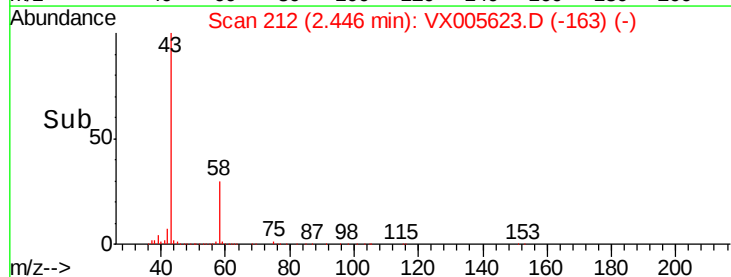
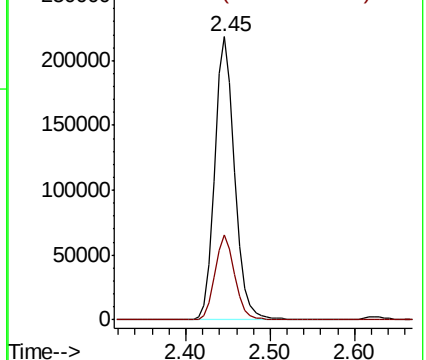
Ion Ratio Lower Upper

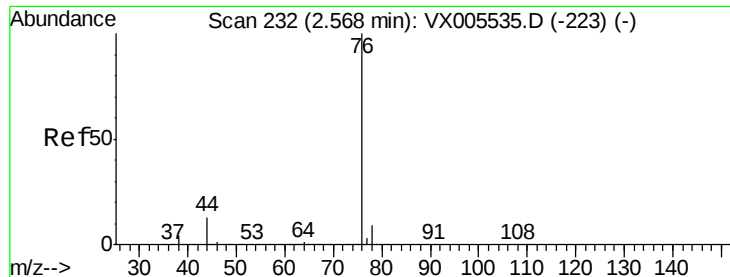
43 100

58 29.9 23.8 35.6



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

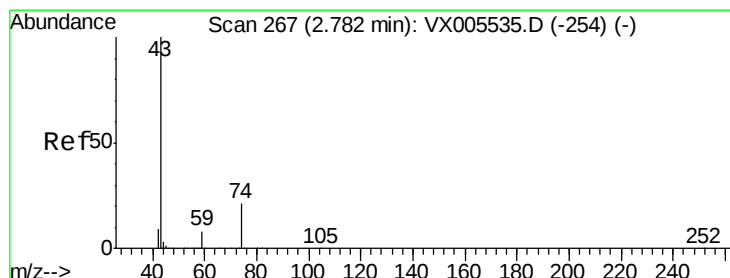
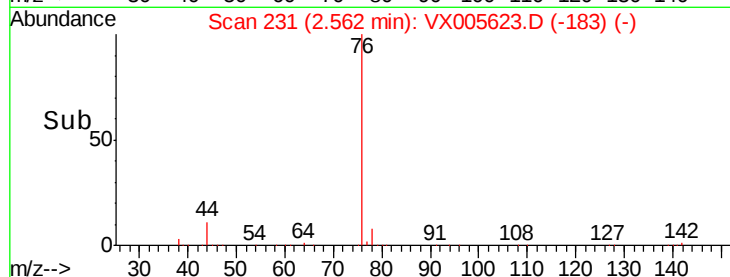
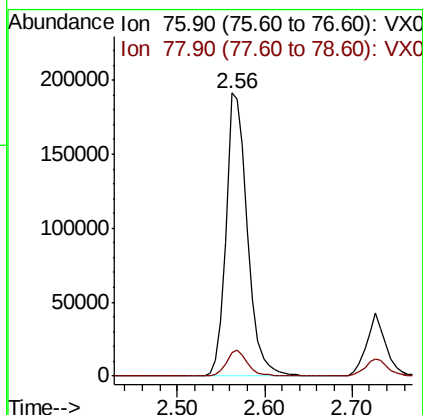
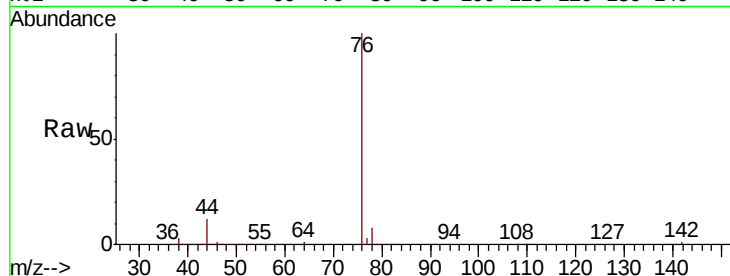




#17
Carbon Disulfide
Concen: 50.258 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

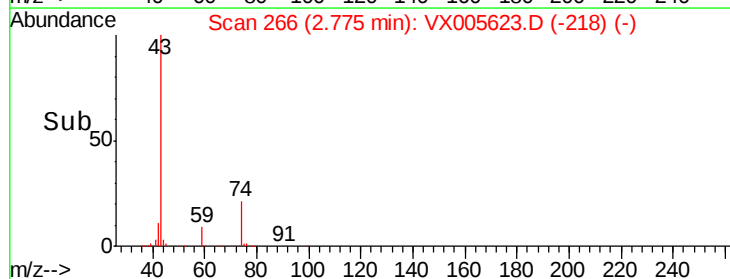
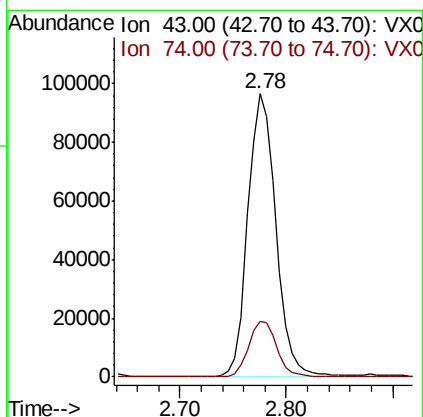
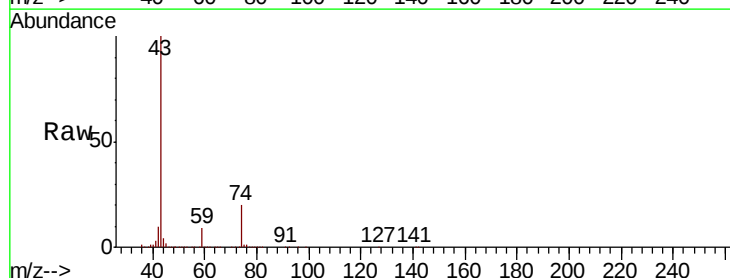
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

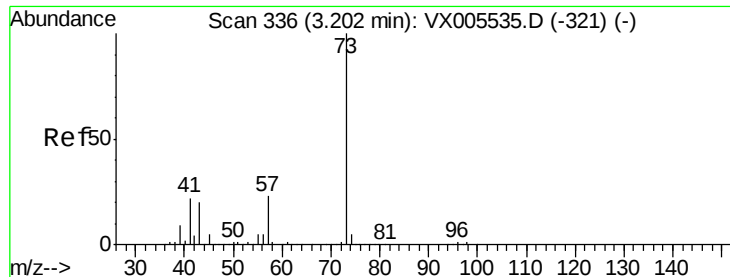
Tot Ion: 76 Resp: 322373
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9



#18
Methyl Acetate
Concen: 49.730 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion: 43 Resp: 177662
Ion Ratio Lower Upper
43 100
74 20.2 16.8 25.2

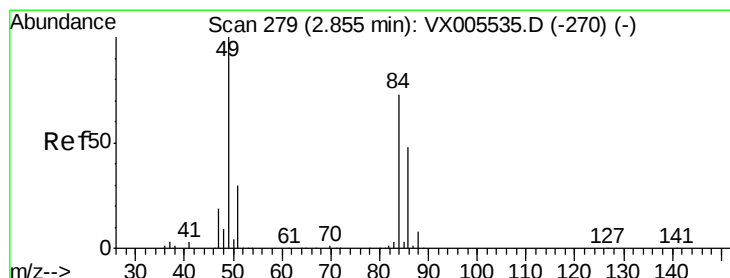
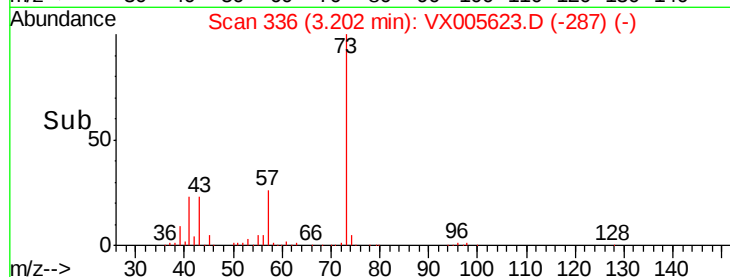
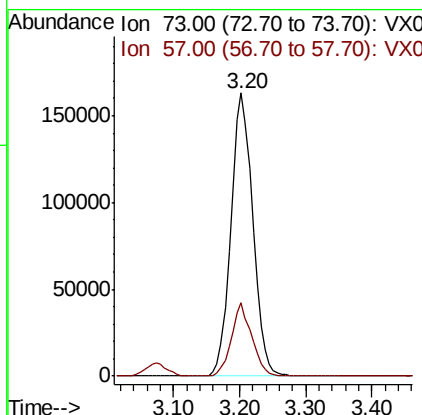
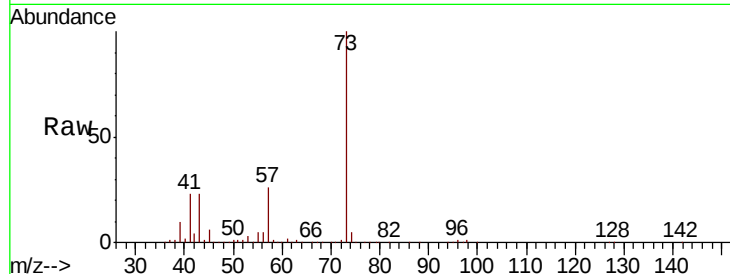




#19
Methyl tert-butyl Ether
Concen: 49.905 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

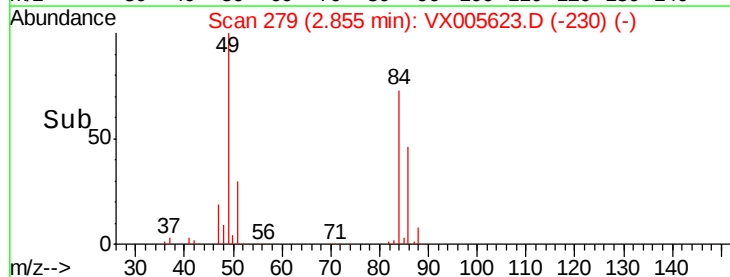
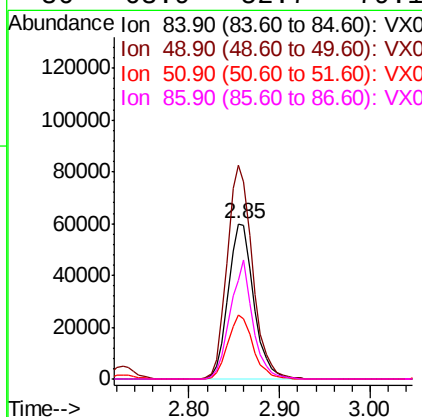
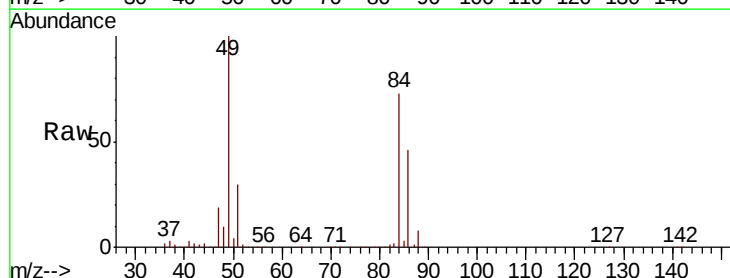
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

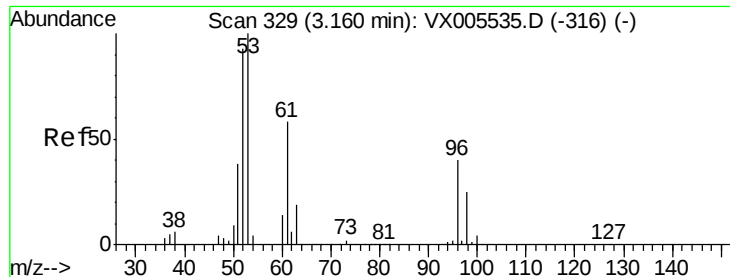
Tot Ion: 73 Resp: 374587
Ion Ratio Lower Upper
73 100
57 26.2 18.8 28.2



#20
Methylene Chloride
Concen: 48.299 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion: 84 Resp: 116962
Ion Ratio Lower Upper
84 100
49 137.5 109.5 164.3
51 41.0 33.3 49.9
86 63.9 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 46.866 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

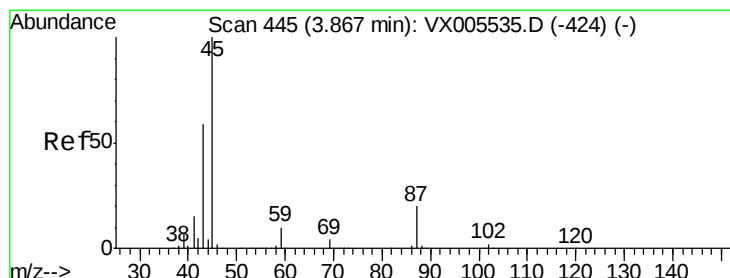
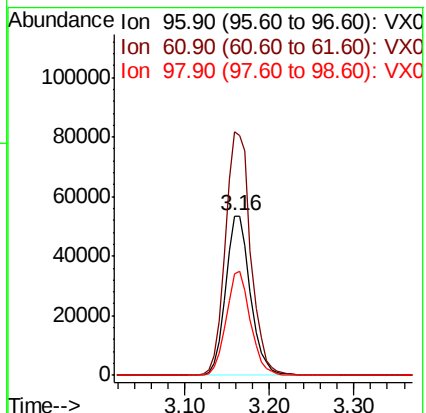
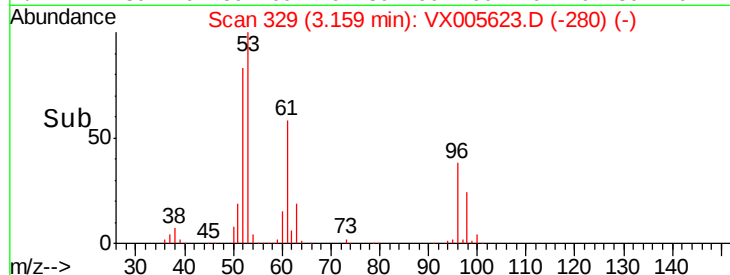
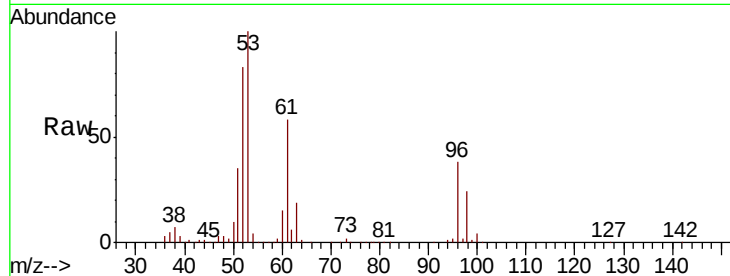
Tot Ion: 96 Resp: 107672

Ion Ratio Lower Upper

96 100

61 152.4 115.6 173.4

98 63.5 50.2 75.2



#22

Diisopropyl ether

Concen: 48.594 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Tgt Ion: 45 Resp: 398518

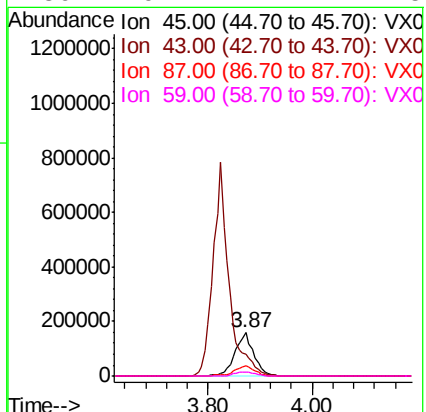
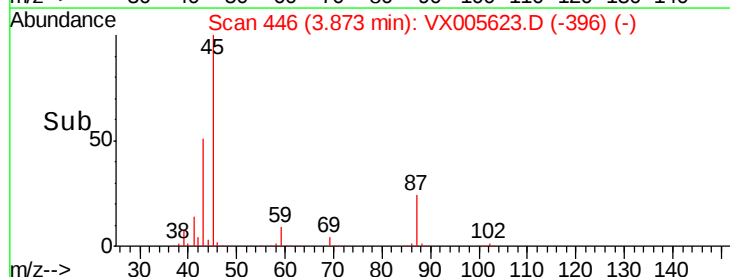
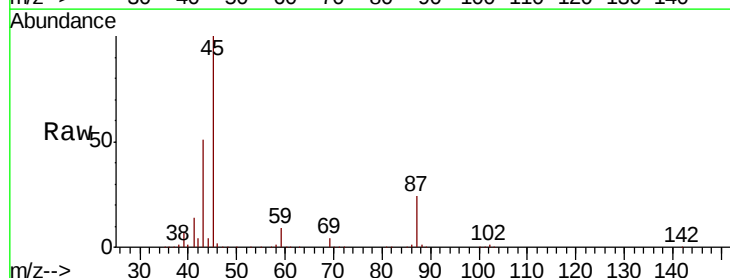
Ion Ratio Lower Upper

45 100

43 51.0 47.4 71.2

87 23.9 15.9 23.9#

59 9.2 7.7 11.5





#23

Vinyl Acetate

Concen: 231.217 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

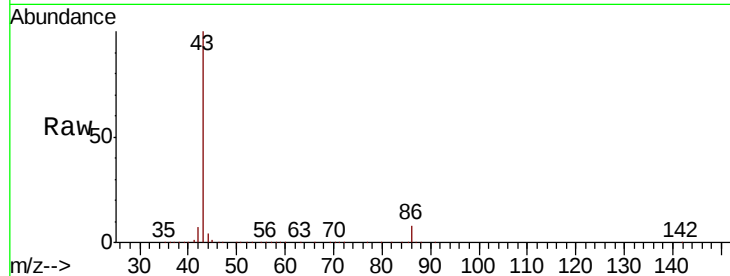
DL-SW-01MSD

Tot Ion: 43 Resp: 1669977

Ion Ratio Lower Upper

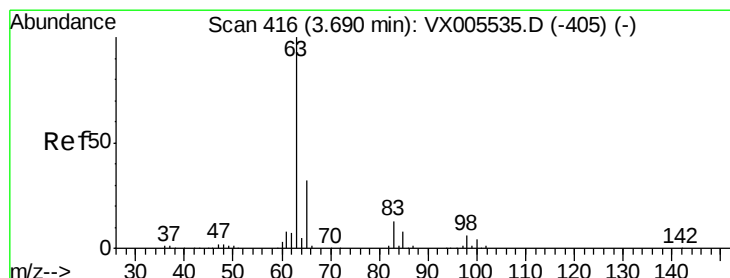
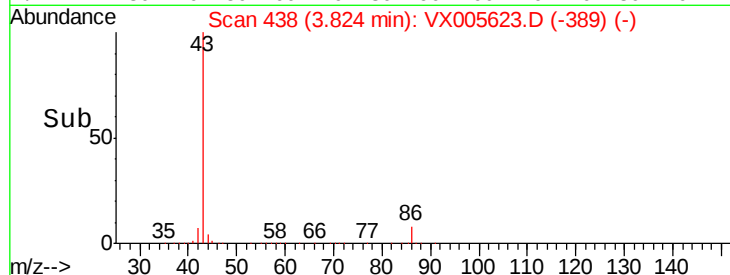
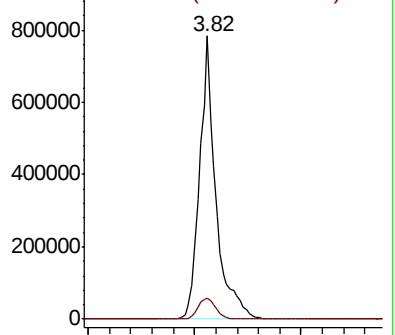
43 100

86 7.5 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 49.348 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

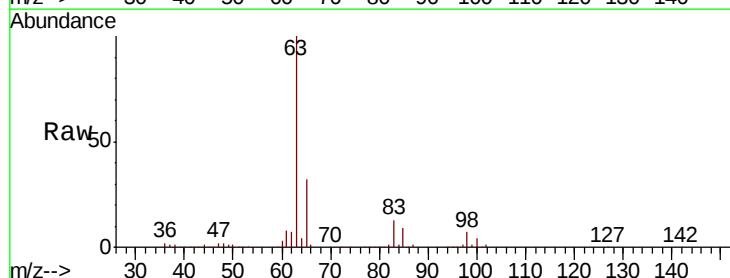
Tgt Ion: 63 Resp: 220024

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

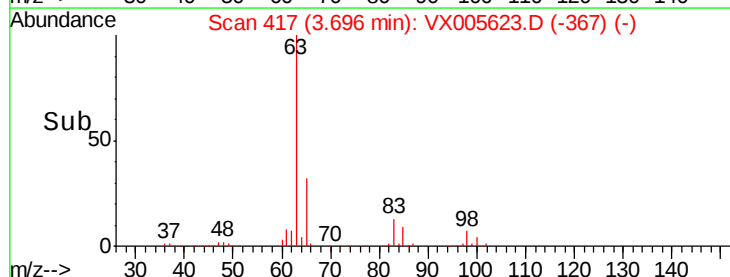
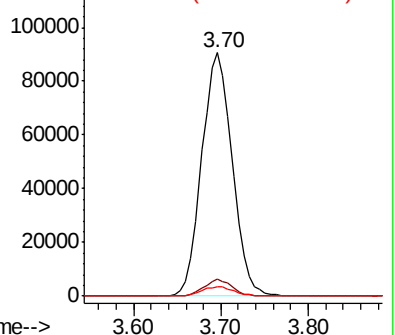
100 3.8 2.1 6.2

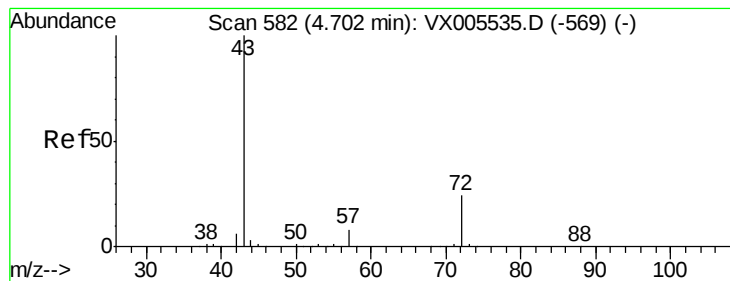


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 243.095 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

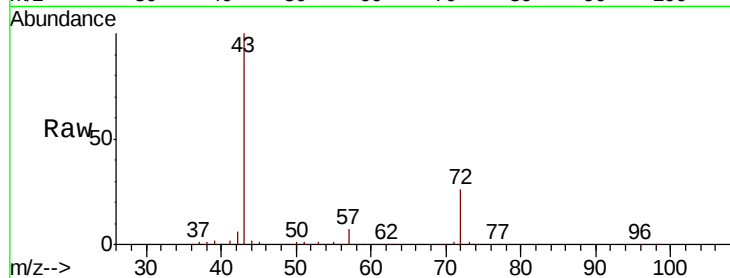
DL-SW-01MSD

Tot Ion: 43 Resp: 535252

Ion Ratio Lower Upper

43 100

72 25.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

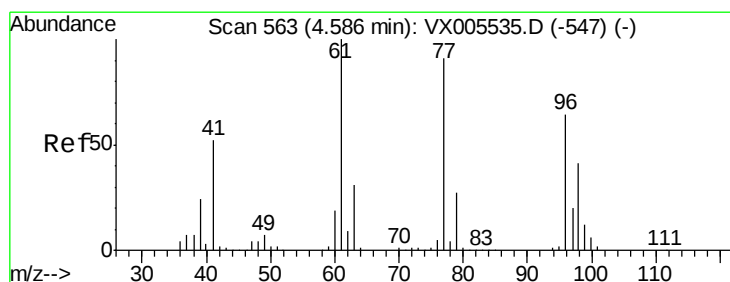
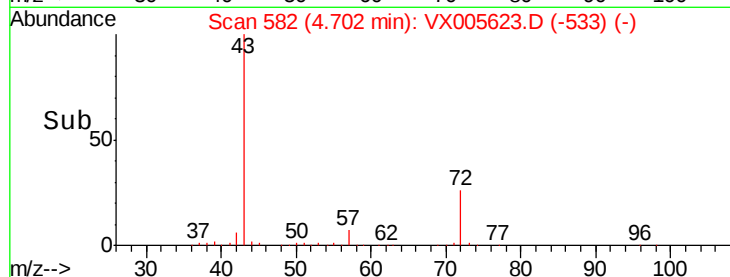
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 42.125 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX005623.D

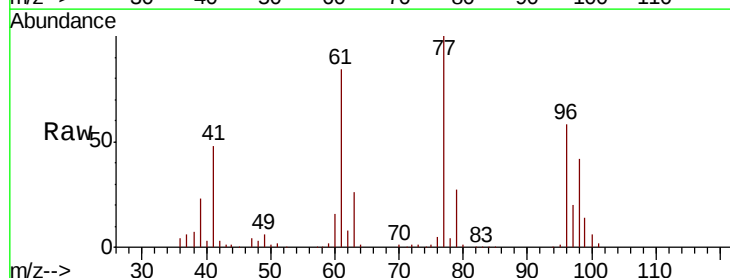
Acq: 26 Oct 2018 23:21

Tgt Ion: 77 Resp: 145004

Ion Ratio Lower Upper

77 100

97 23.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

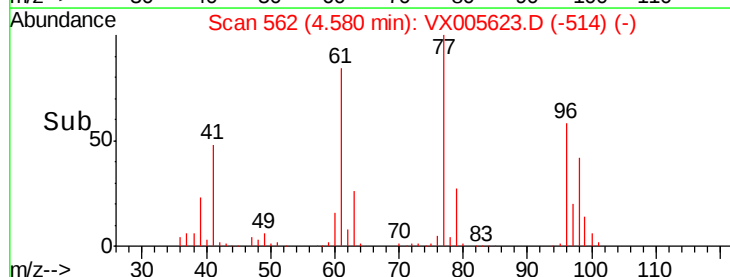
30000

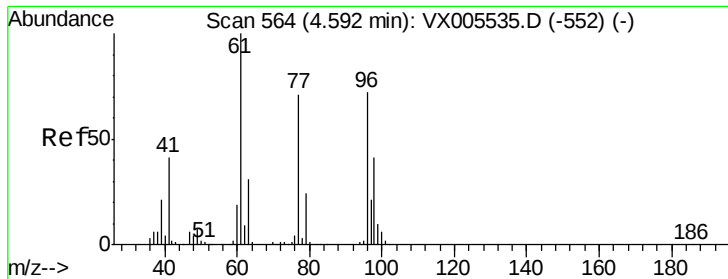
20000

10000

0

Time-->



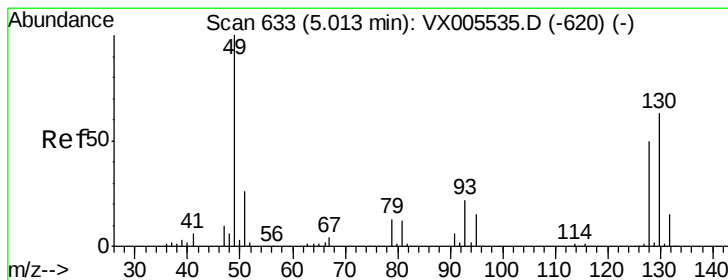
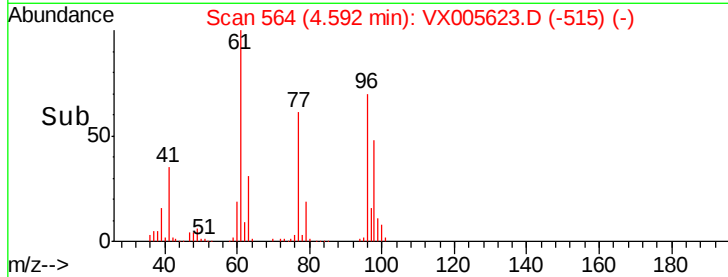
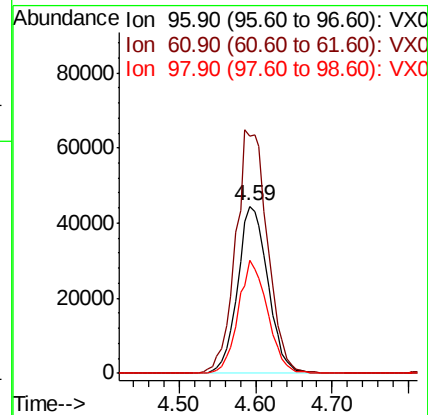
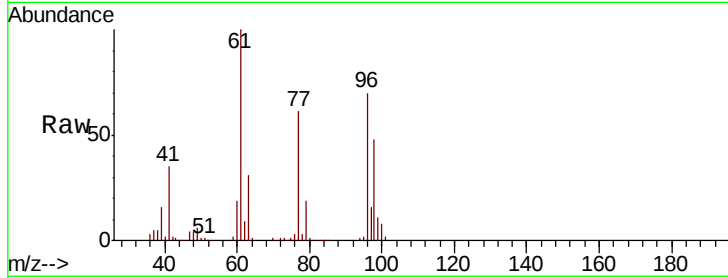


#27

cis-1,2-Dichloroethene
Concen: 49.208 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

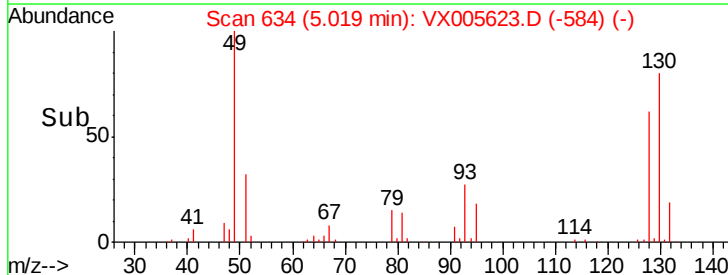
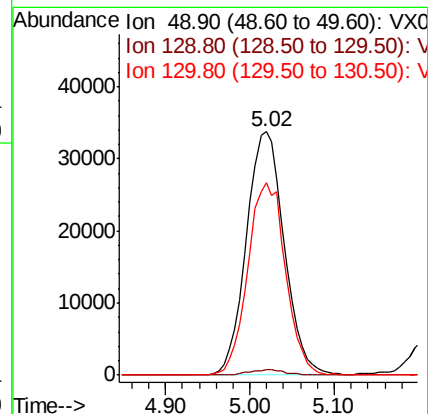
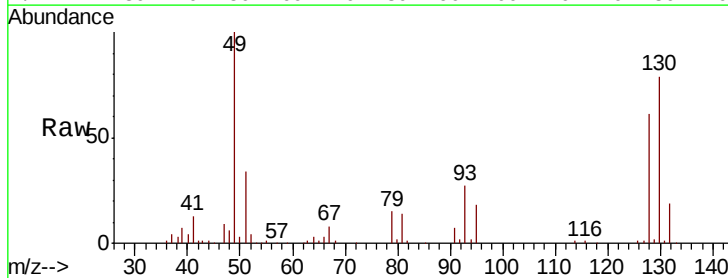
Tot Ion	Ratio	Lower	Upper
96	100		
61	153.6	0.0	304.6
98	65.5	0.0	127.4

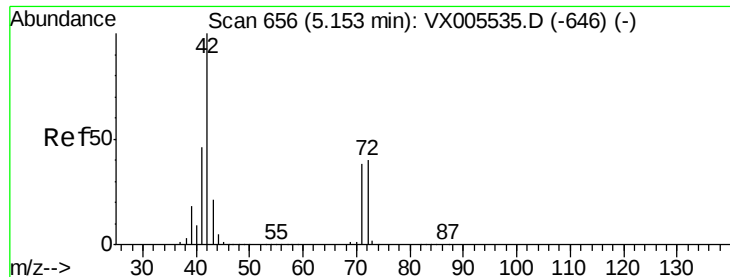


#28

Bromochloromethane
Concen: 47.833 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	78.6	58.9	88.3





#29

Tetrahydrofuran

Concen: 256.032 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

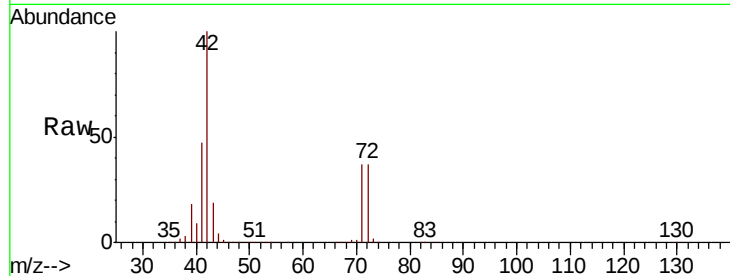
Tot Ion: 42 Resp: 366868

Ion Ratio Lower Upper

42 100

72 40.8 32.0 48.0

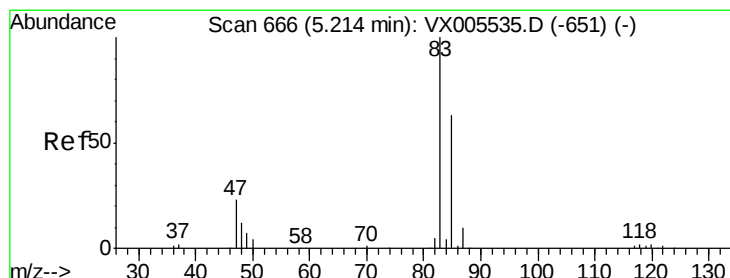
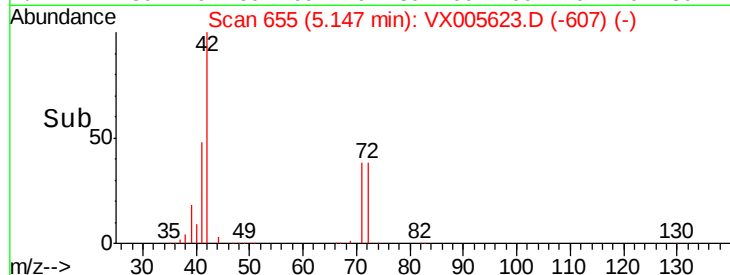
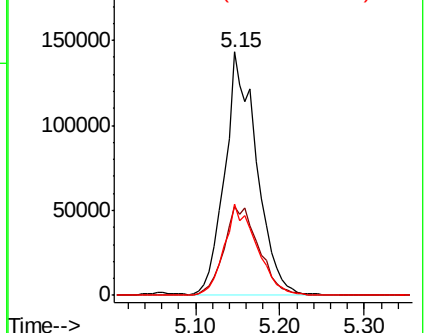
71 38.4 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 51.541 ug/l

RT: 5.22 min Scan# 667

Delta R.T. 0.01 min

Lab File: VX005623.D

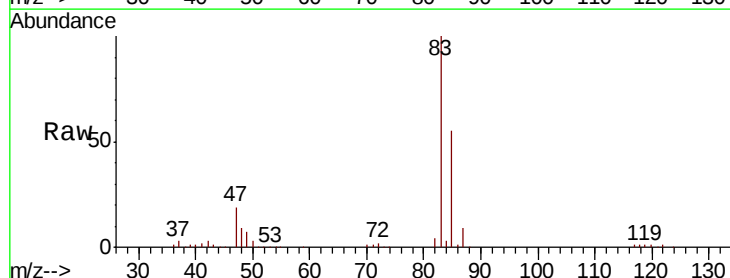
Acq: 26 Oct 2018 23:21

Tgt Ion: 83 Resp: 214959

Ion Ratio Lower Upper

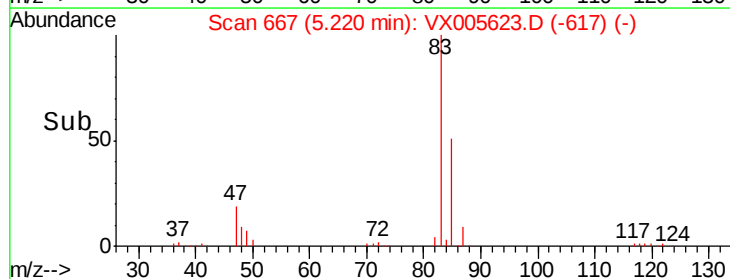
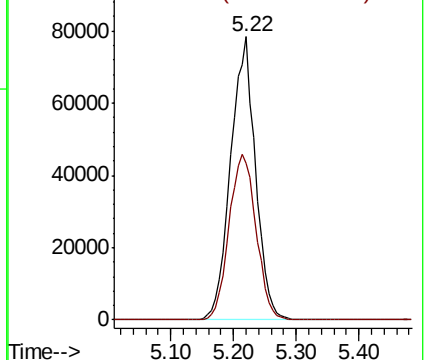
83 100

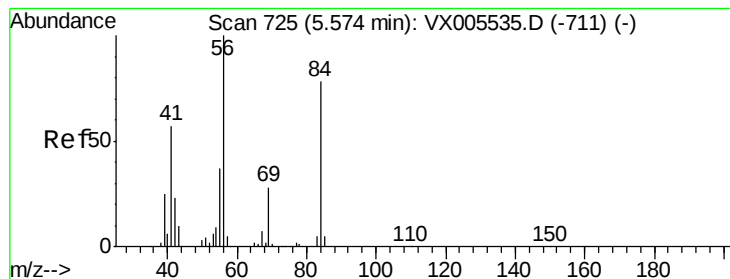
85 55.4 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 52.380 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

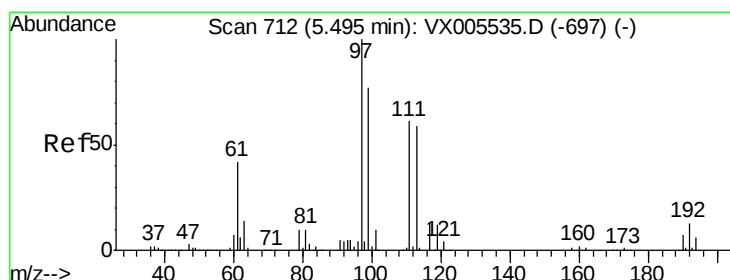
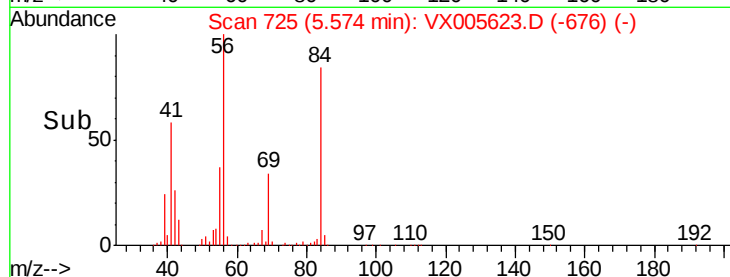
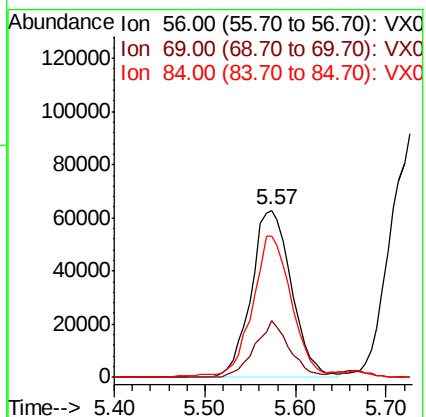
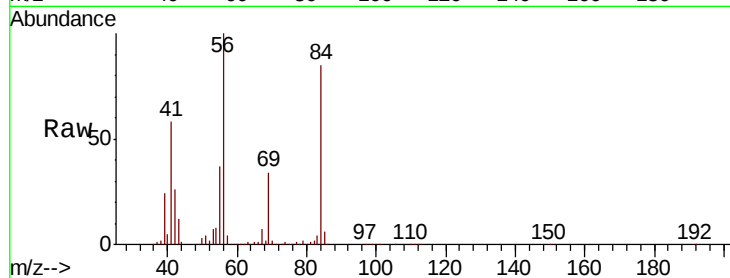
Tot Ion: 56 Resp: 193233

Ion Ratio Lower Upper

56 100

69 33.8 22.6 34.0

84 83.5 62.7 94.1



#32

1,1,1-Trichloroethane

Concen: 48.331 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

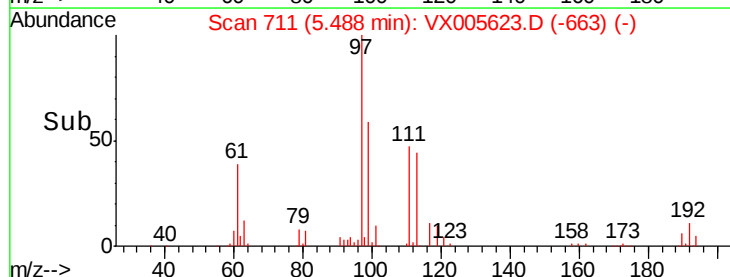
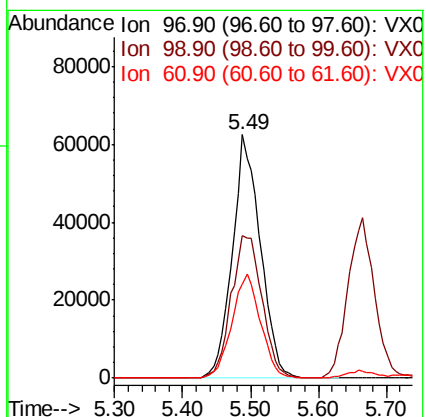
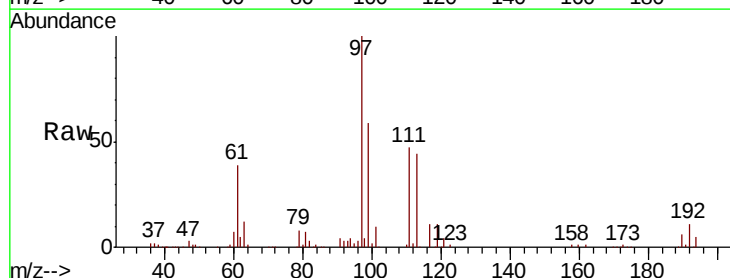
Tgt Ion: 97 Resp: 177906

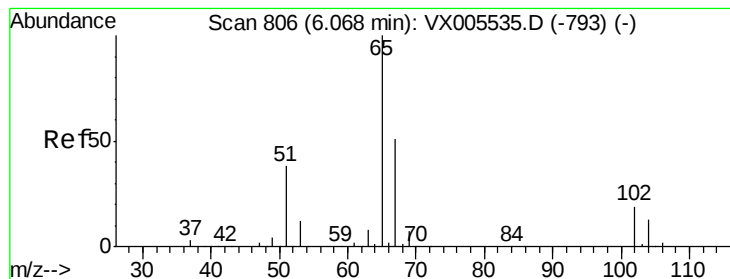
Ion Ratio Lower Upper

97 100

99 64.3 52.3 78.5

61 43.8 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 49.328 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

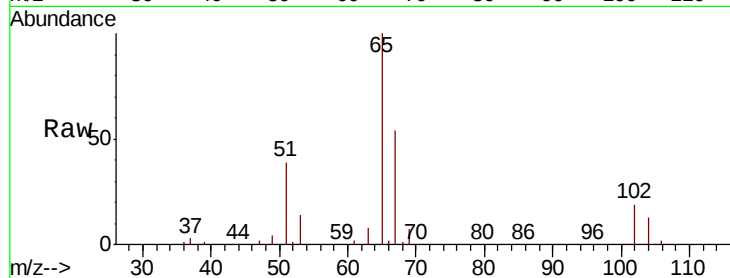
DL-SW-01MSD

Tot Ion: 65 Resp: 134976

Ion Ratio Lower Upper

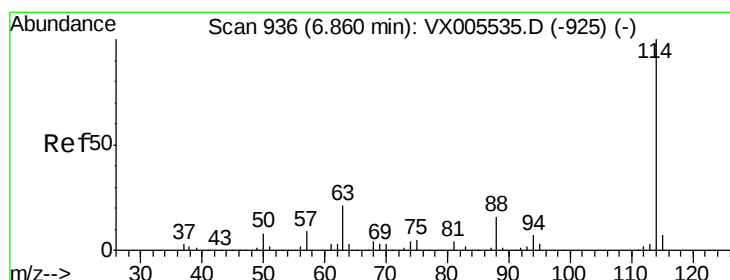
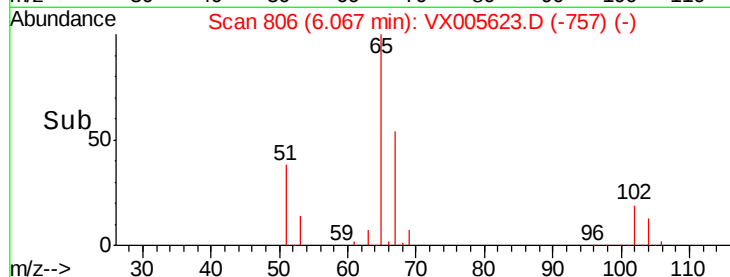
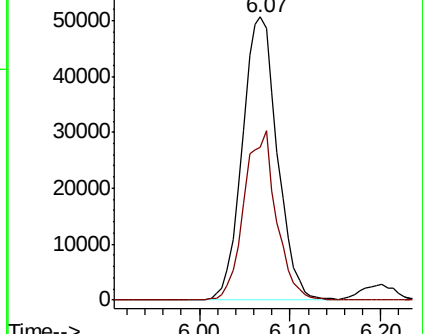
65 100

67 55.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

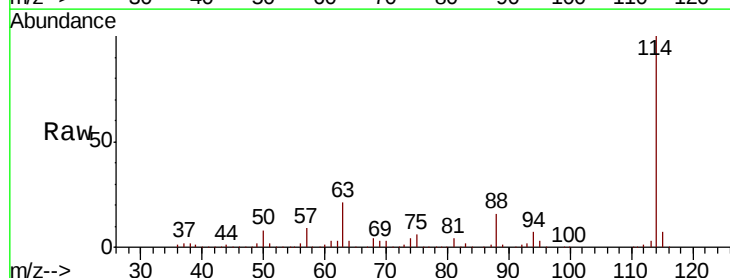
Tgt Ion: 114 Resp: 336608

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

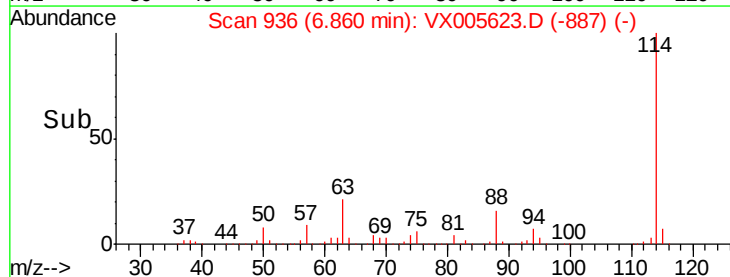
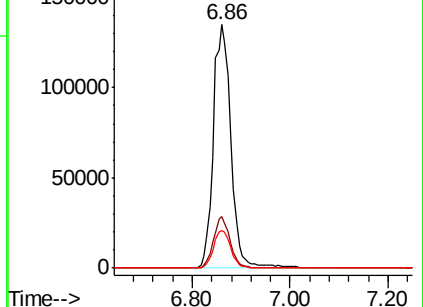
88 15.7 0.0 31.2

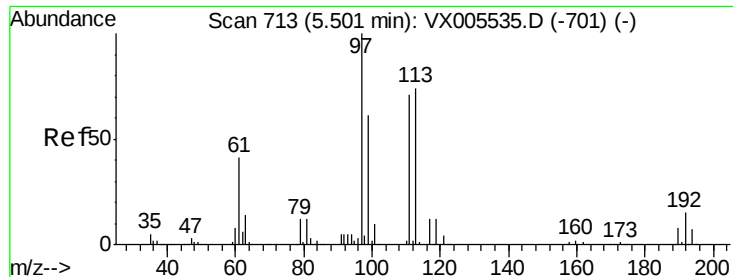


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.697 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

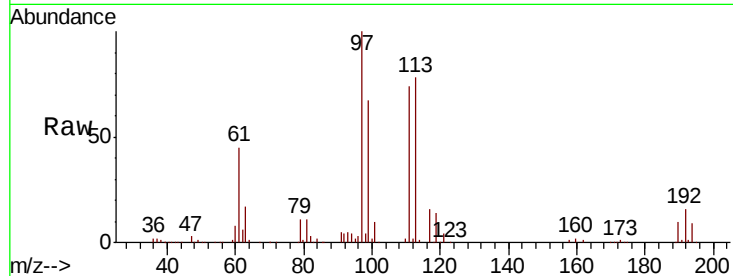
Tot Ion:113 Resp: 106434

Ion Ratio Lower Upper

113 100

111 104.2 82.3 123.5

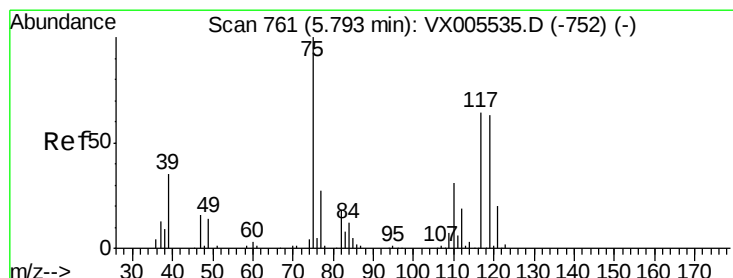
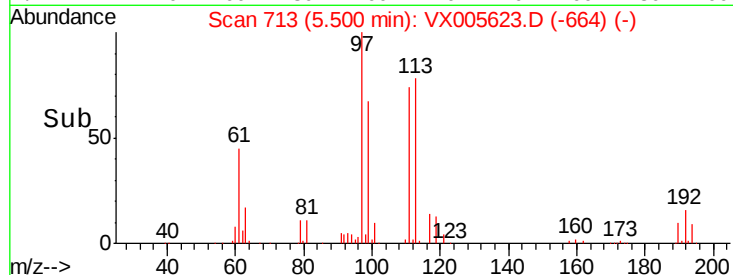
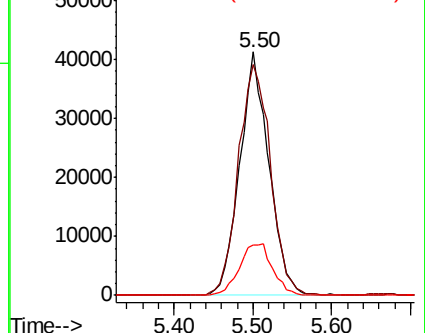
192 24.0 17.9 26.9



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: 47.850 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

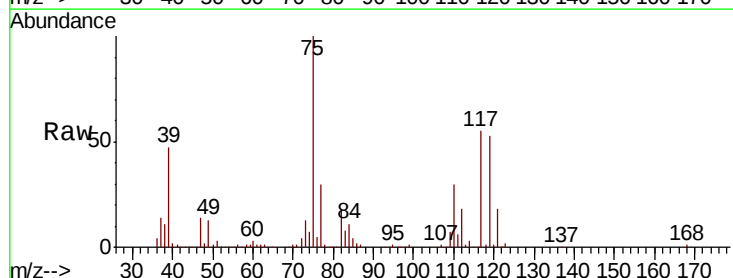
Tgt Ion: 75 Resp: 156310

Ion Ratio Lower Upper

75 100

110 34.1 17.4 52.2

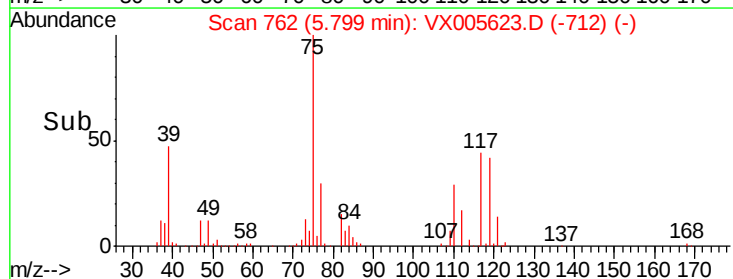
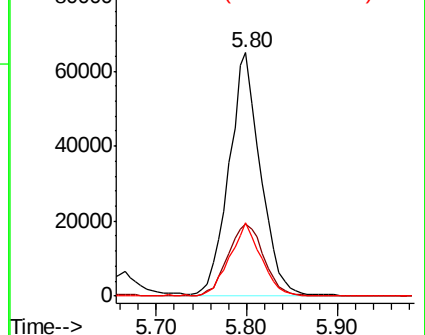
77 30.3 25.8 38.6

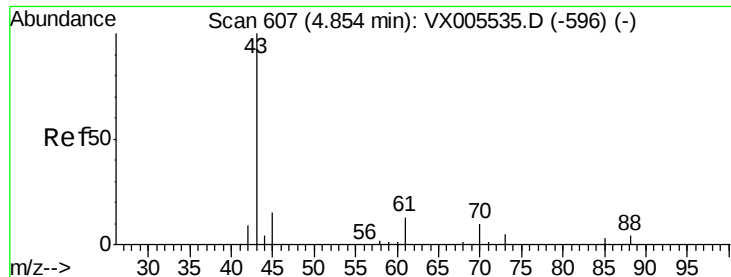


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 42.641 ug/l

RT: 4.85 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

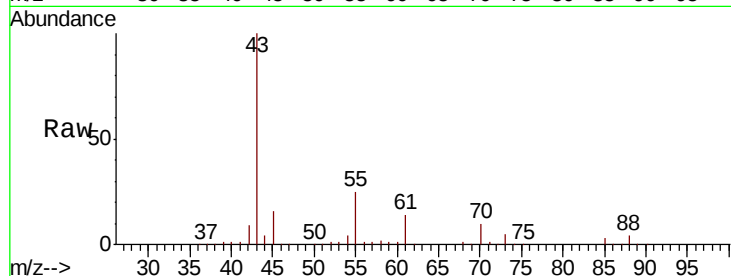
Tot Ion: 43 Resp: 177750

Ion Ratio Lower Upper

43 100

61 14.4 10.8 16.2

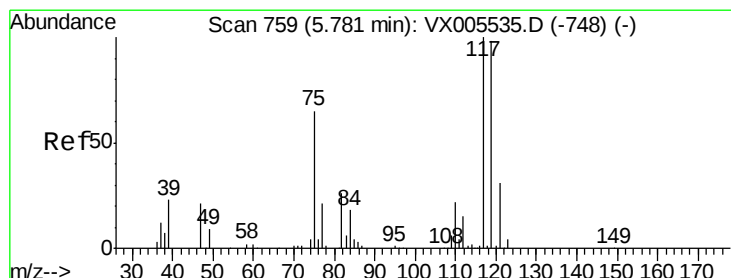
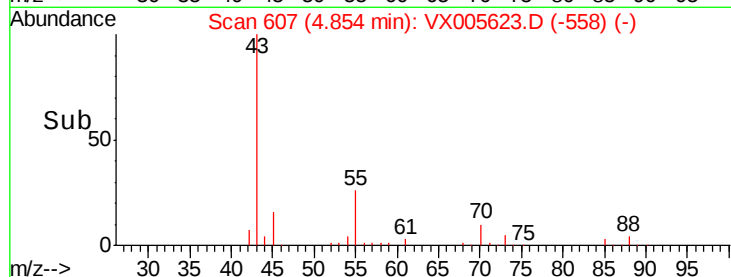
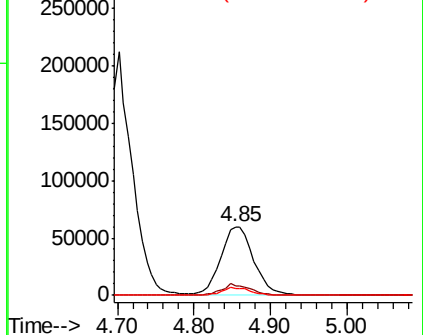
70 10.2 7.8 11.8



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: 46.364 ug/l

RT: 5.78 min Scan# 759

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

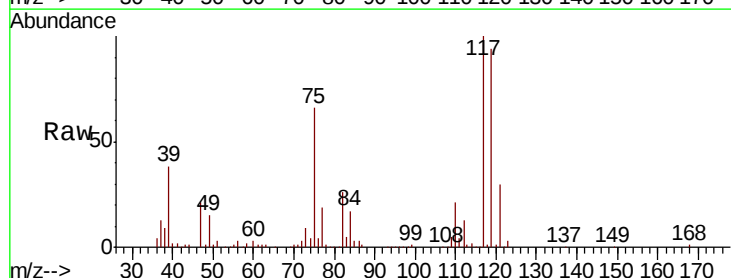
Tgt Ion: 117 Resp: 159516

Ion Ratio Lower Upper

117 100

119 94.5 78.1 117.1

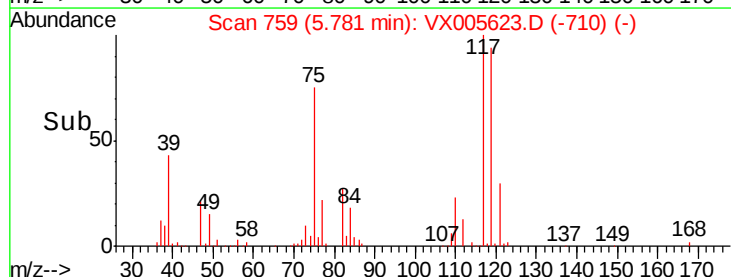
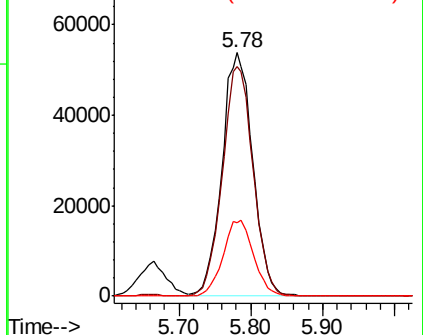
121 30.0 24.6 36.8

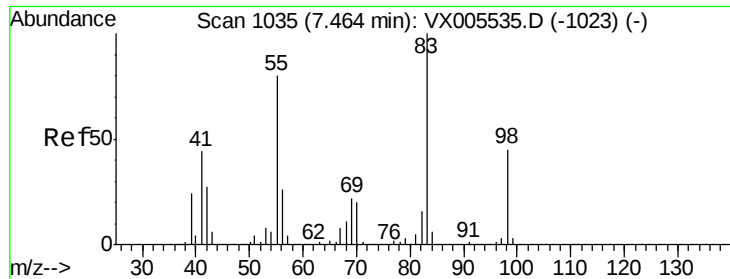


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

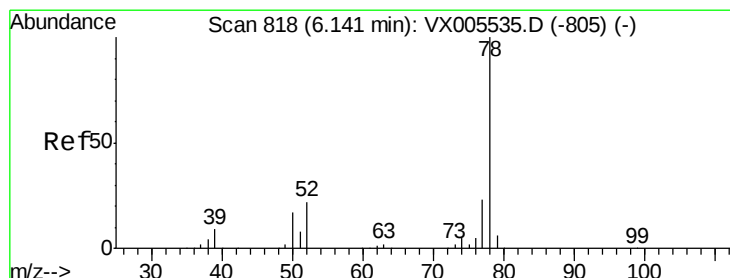
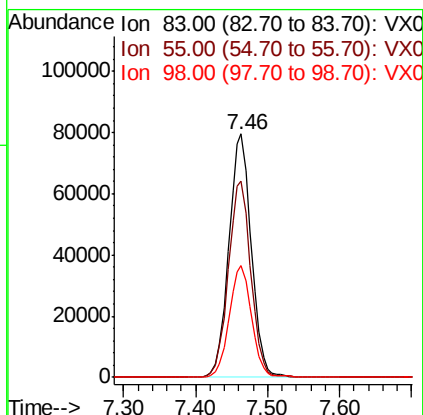
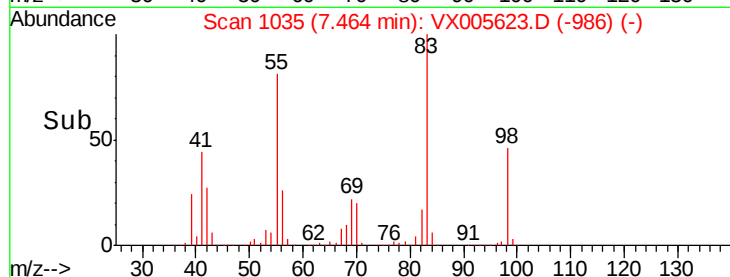
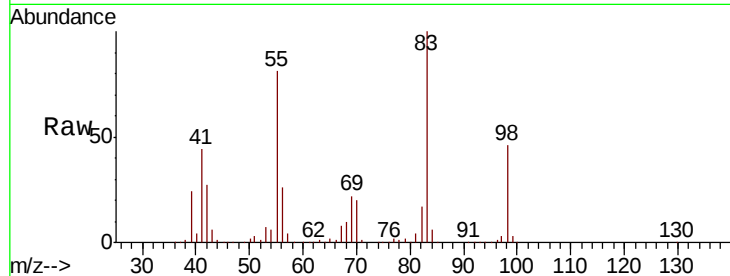




#39
Methvlcvclohexane
Concen: 47.792 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

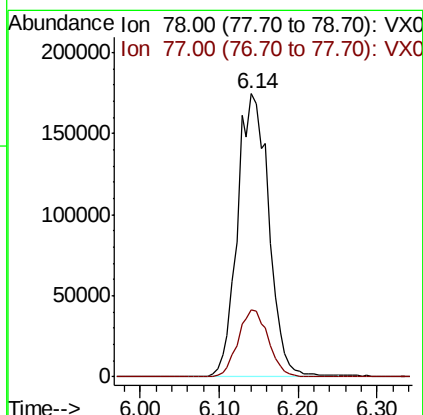
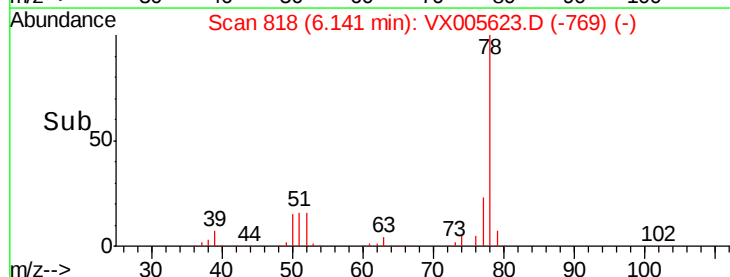
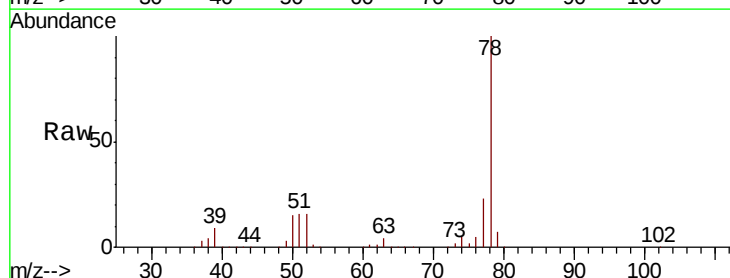
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

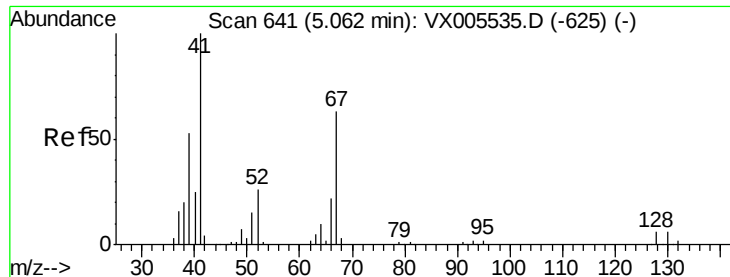
Tot Ion: 83 Resp: 172393
Ion Ratio Lower Upper
83 100
55 80.6 63.7 95.5
98 46.0 36.2 54.2



#40
Benzene
Concen: 51.734 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion: 78 Resp: 484449
Ion Ratio Lower Upper
78 100
77 23.5 18.4 27.6

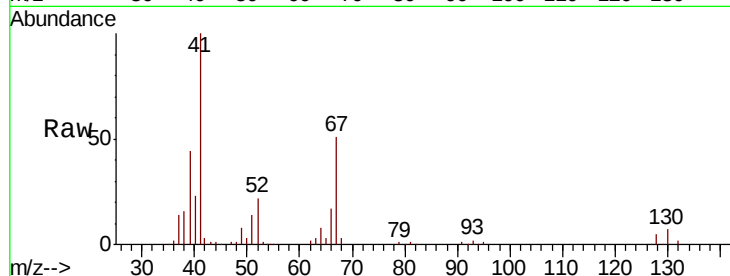




#41
Methacrylonitrile
Concen: 49.320 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampled :
DL-SW-01MSD

Tot Ion:	41	Resp:	114521
Ion	Ratio	Lower	Upper
41	100		
39	51.2	42.2	63.2
67	63.2	53.4	80.0
52	26.9	23.4	35.2



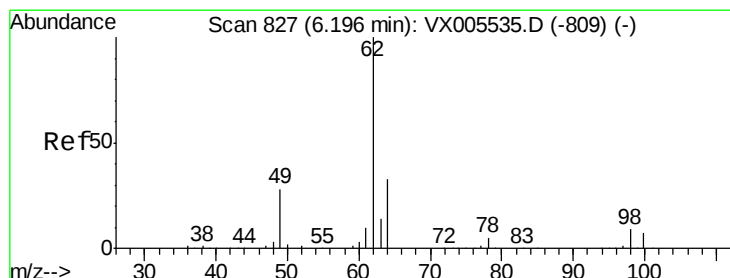
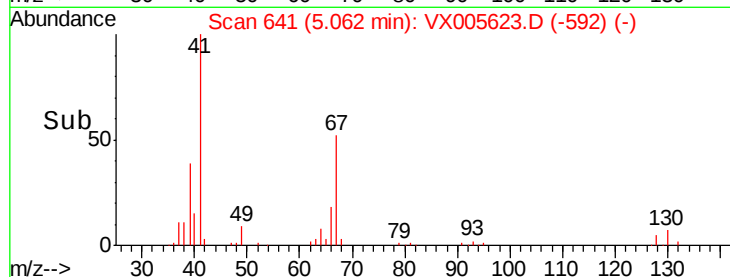
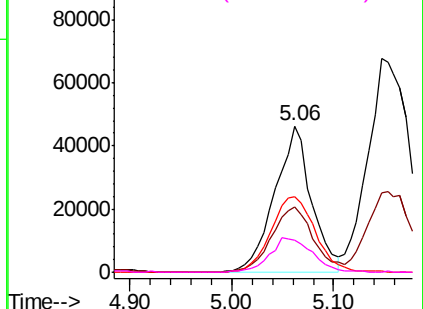
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

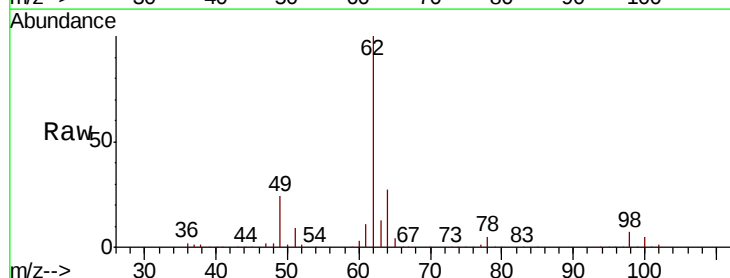
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42
1,2-Dichloroethane
Concen: 47.985 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

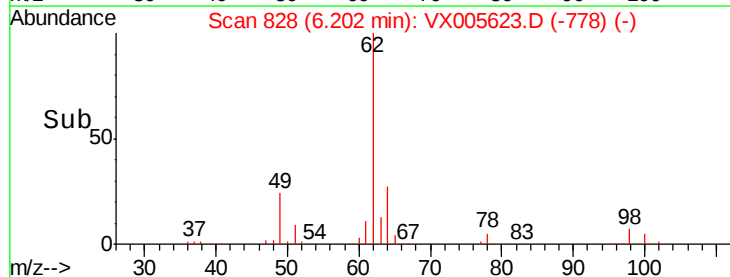
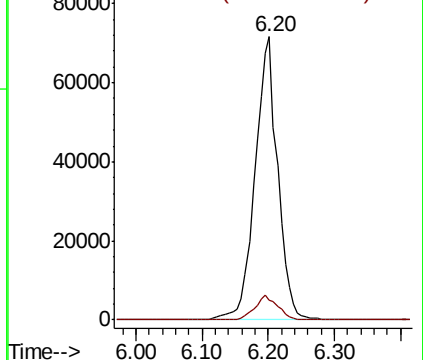
Tgt Ion:	62	Resp:	170697
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8

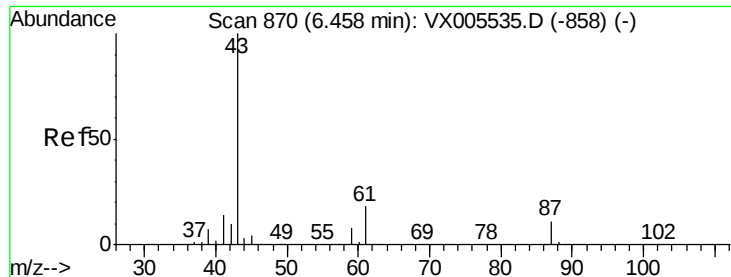


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.184 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

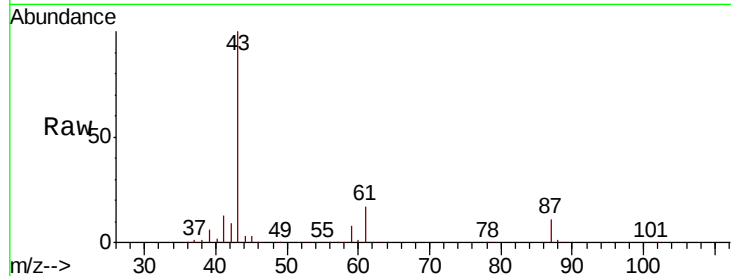
Tot Ion: 43 Resp: 288492

Ion Ratio Lower Upper

43 100

61 19.5 14.6 22.0

87 12.5 9.6 14.4

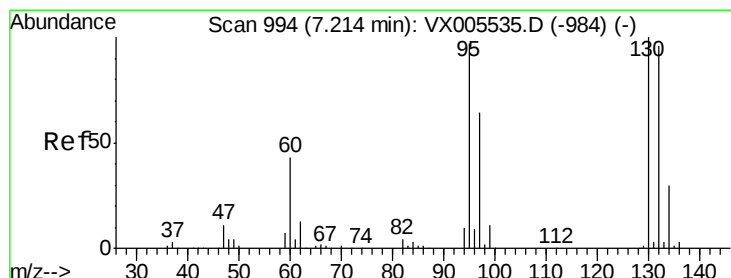
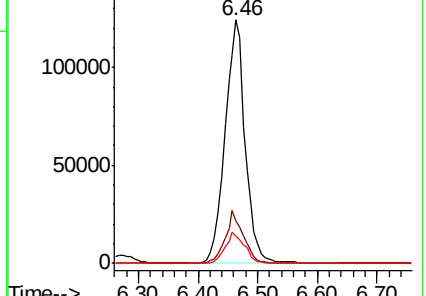
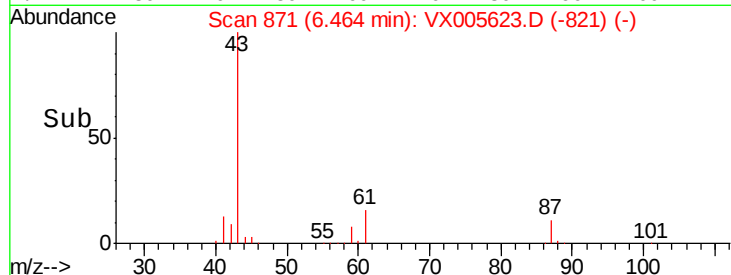


Abundance Ion 43.00 (42.70 to 43.70): VX005535.D (-858) (-)

Ion 61.00 (60.70 to 61.70): VX005535.D (-858) (-)

Ion 87.00 (86.70 to 87.70): VX005535.D (-858) (-)

Time-->



#44

Trichloroethene

Concen: 47.084 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005623.D

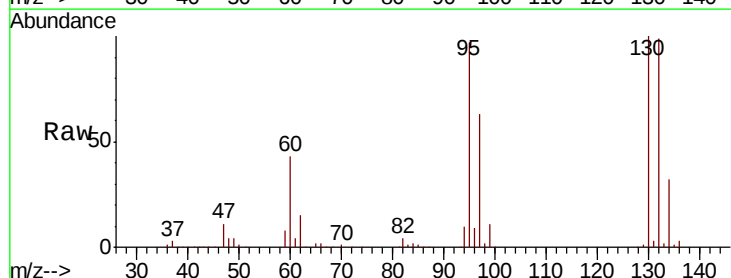
Acq: 26 Oct 2018 23:21

Tgt Ion: 130 Resp: 120112

Ion Ratio Lower Upper

130 100

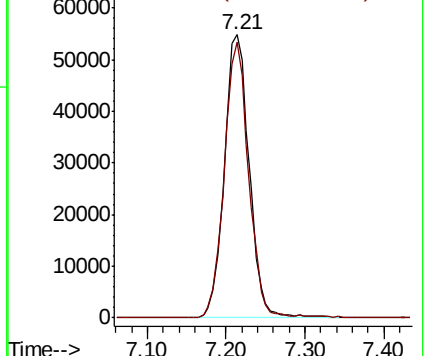
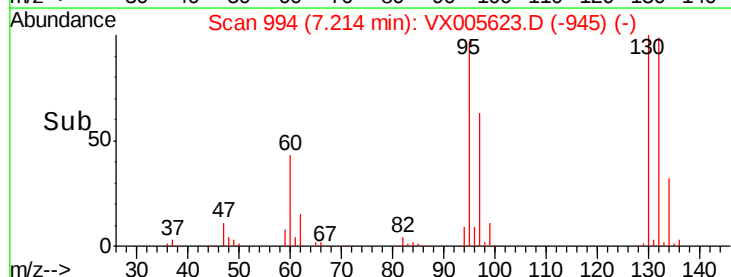
95 97.4 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): VX005535.D (-984) (-)

Ion 94.90 (94.60 to 95.60): VX005535.D (-984) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 48.089 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

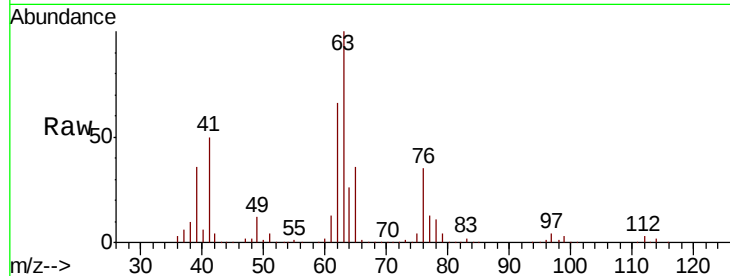
DL-SW-01MSD

Tot Ion: 63 Resp: 121068

Ion Ratio Lower Upper

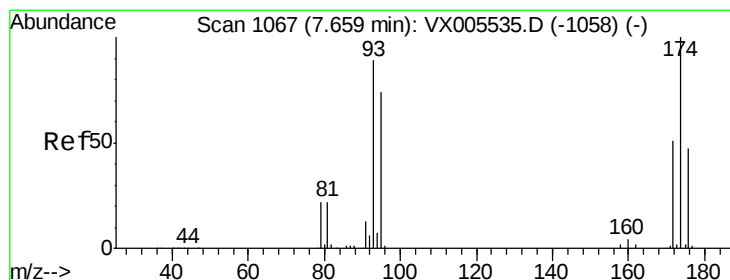
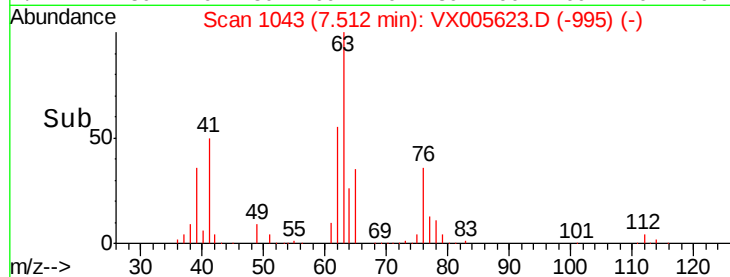
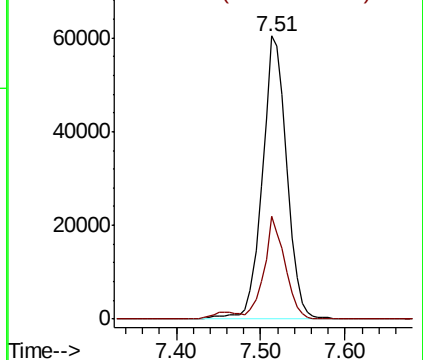
63 100

65 36.3 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 46.881 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

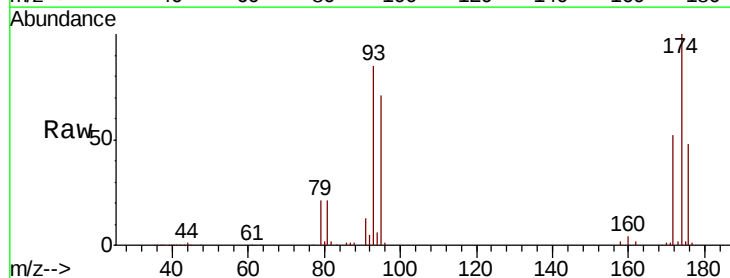
Tgt Ion: 93 Resp: 76229

Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.0

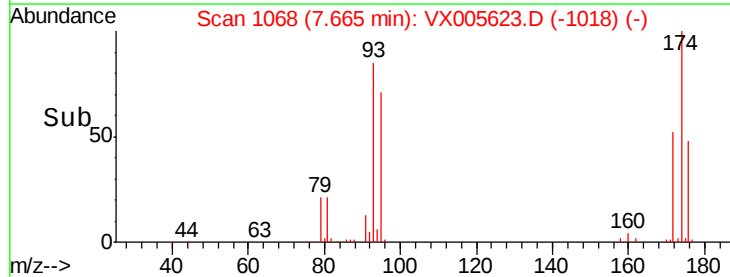
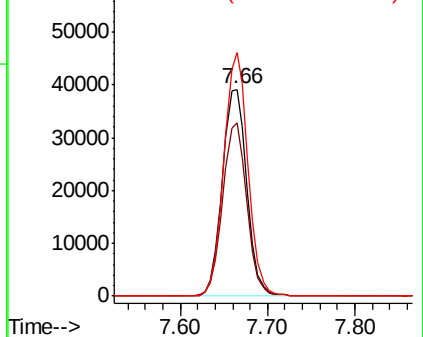
174 115.3 91.5 137.3

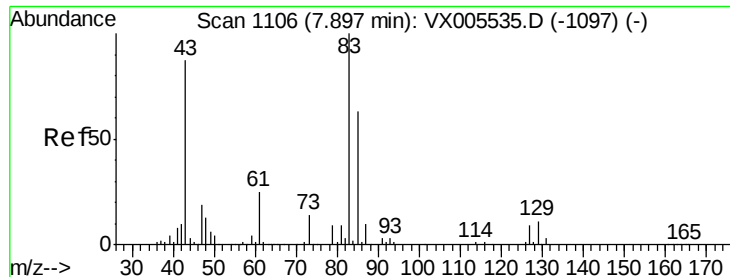


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.483 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

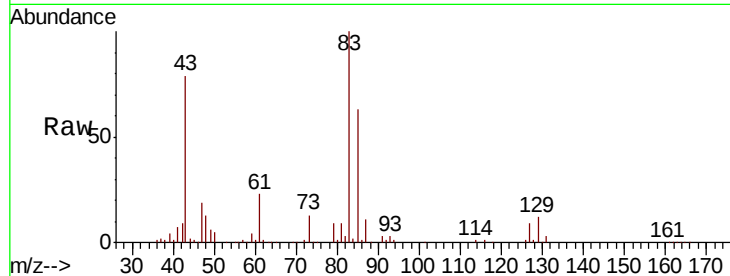
Tot Ion: 83 Resp: 149848

Ion Ratio Lower Upper

83 100

85 63.0 50.2 75.4

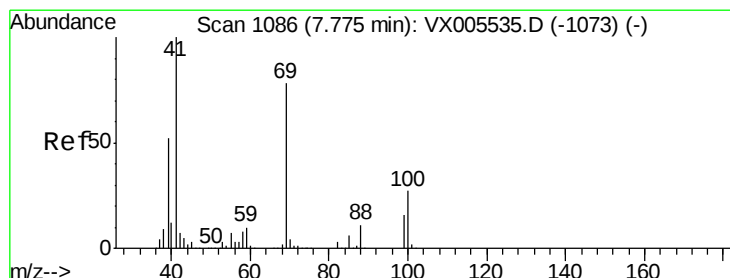
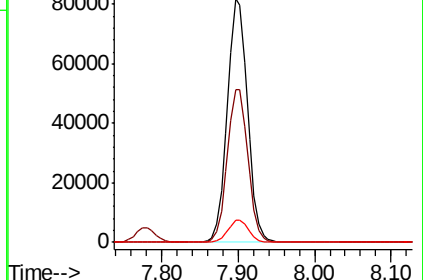
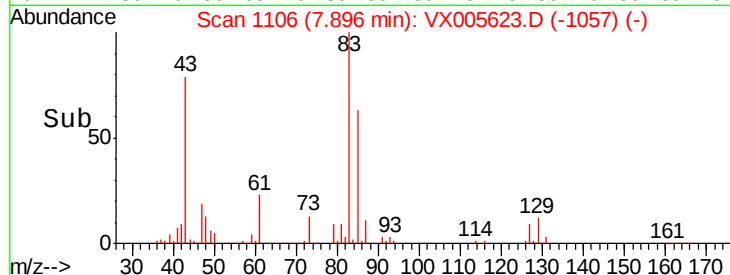
127 9.2 6.9 10.3



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: 50.464 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

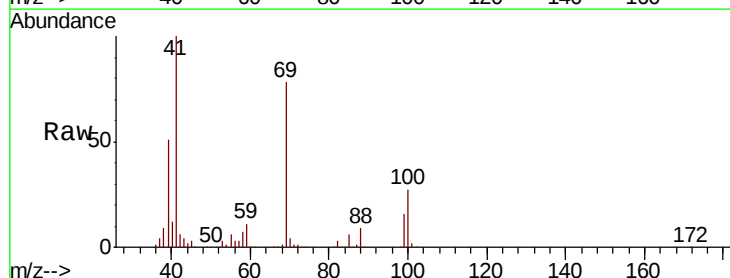
Tgt Ion: 41 Resp: 153565

Ion Ratio Lower Upper

41 100

69 77.4 63.2 94.8

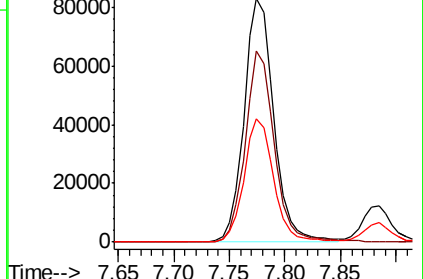
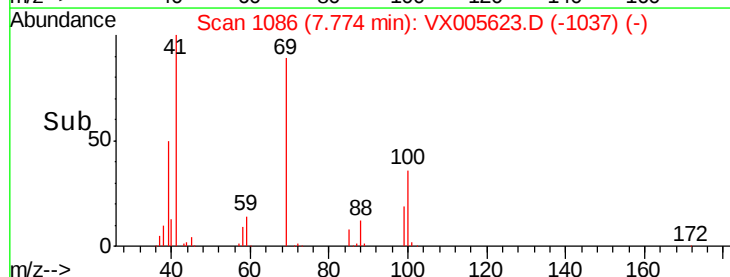
39 50.9 42.2 63.2

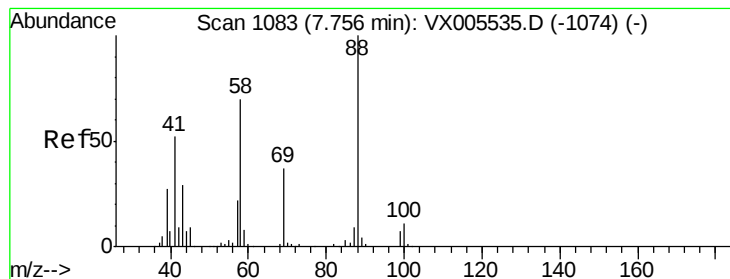


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 858.220 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

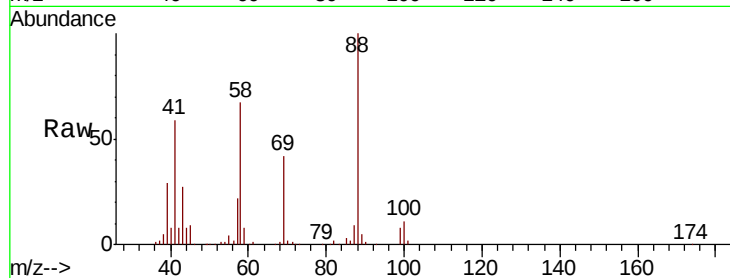
Tot Ion: 88 Resp: 57073

Ion Ratio Lower Upper

88 100

43 33.7 27.4 41.0

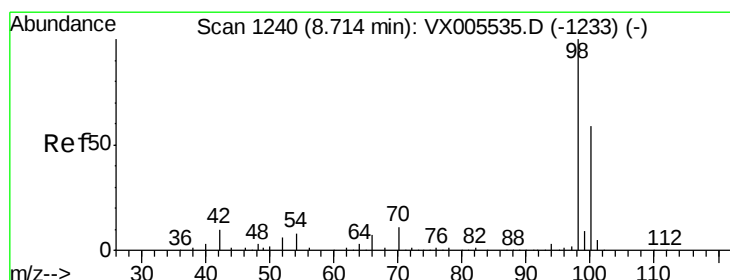
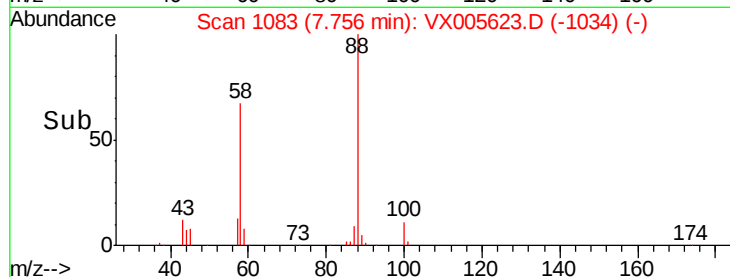
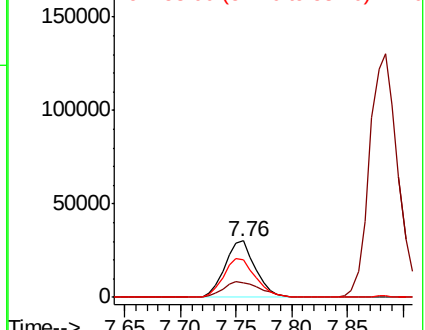
58 72.6 59.4 89.2



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 47.969 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005623.D

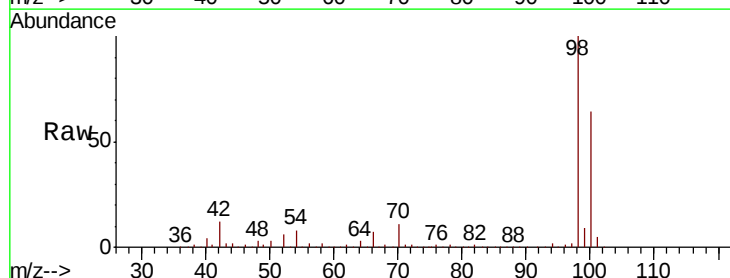
Acq: 26 Oct 2018 23:21

Tgt Ion: 98 Resp: 392853

Ion Ratio Lower Upper

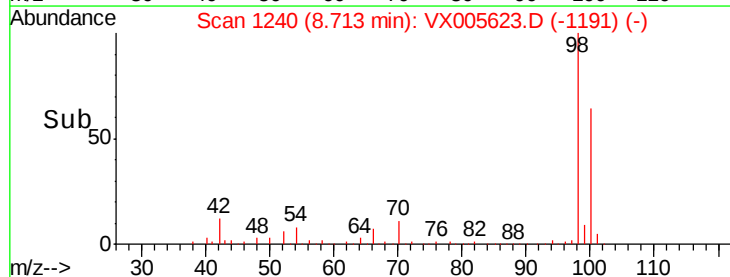
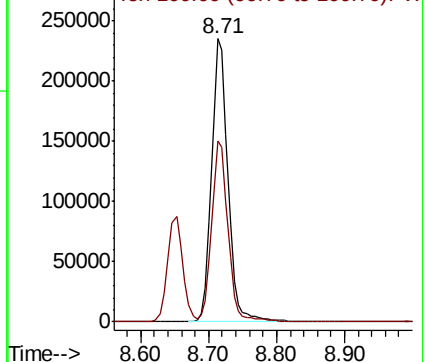
98 100

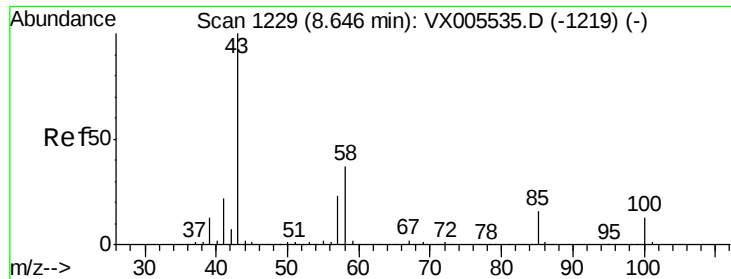
100 64.0 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 239.502 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

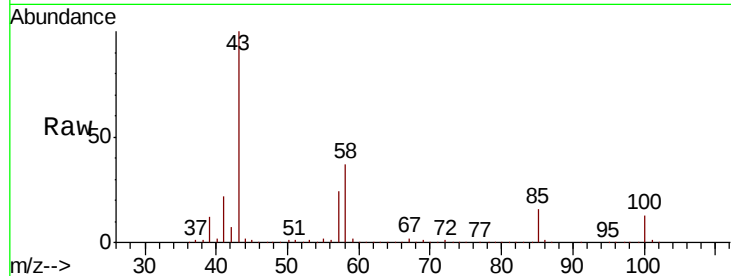
DL-SW-01MSD

Tot Ion: 43 Resp: 1005448

Ion Ratio Lower Upper

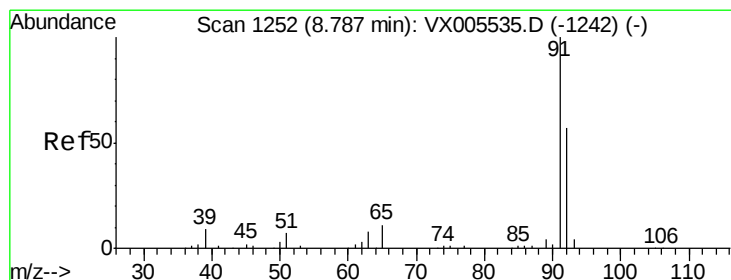
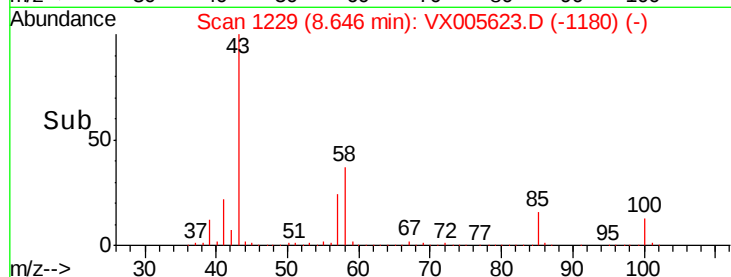
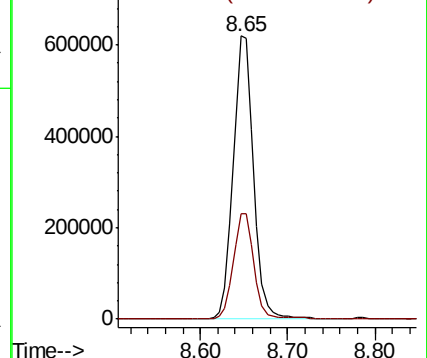
43 100

58 37.4 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 48.142 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005623.D

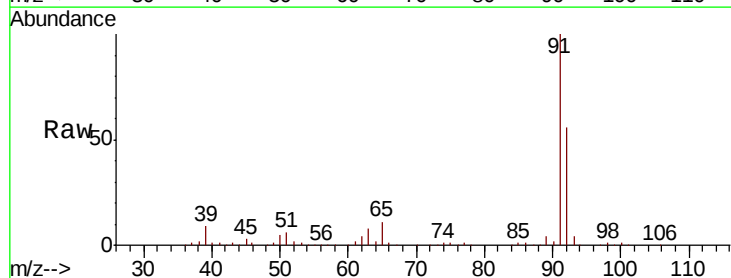
Acq: 26 Oct 2018 23:21

Tgt Ion: 92 Resp: 273980

Ion Ratio Lower Upper

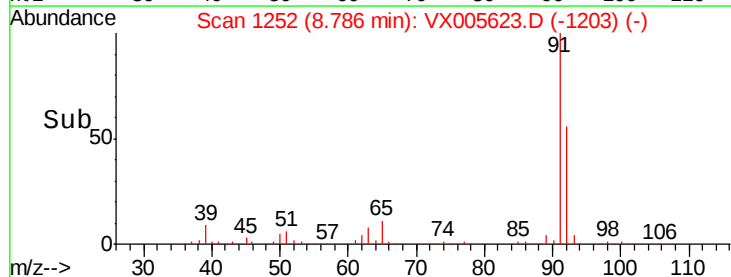
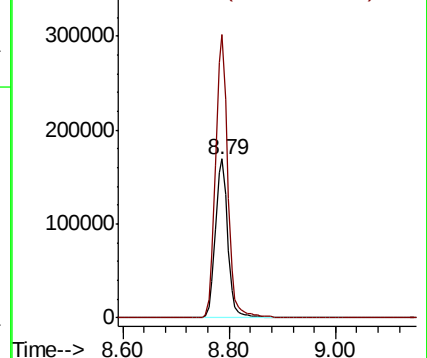
92 100

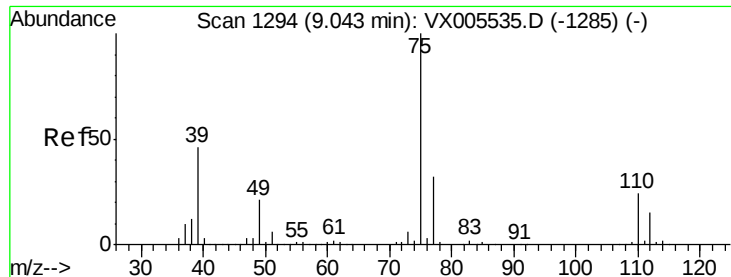
91 175.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

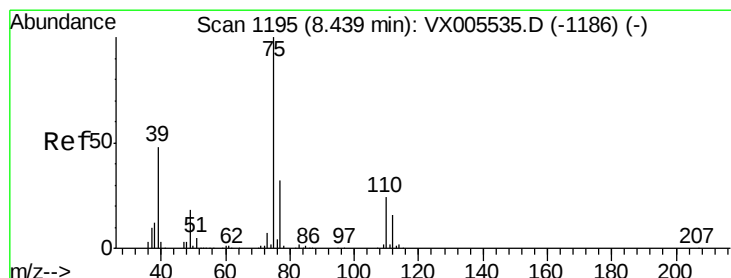
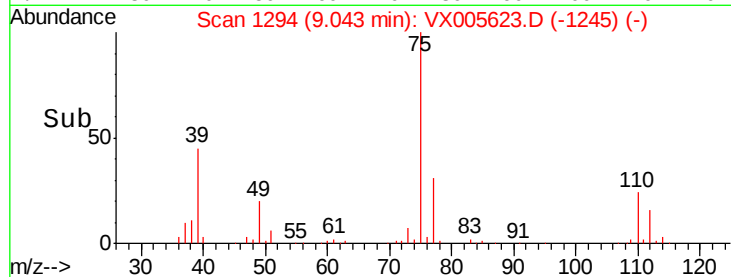
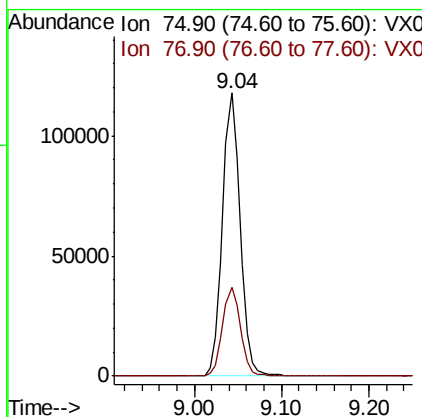
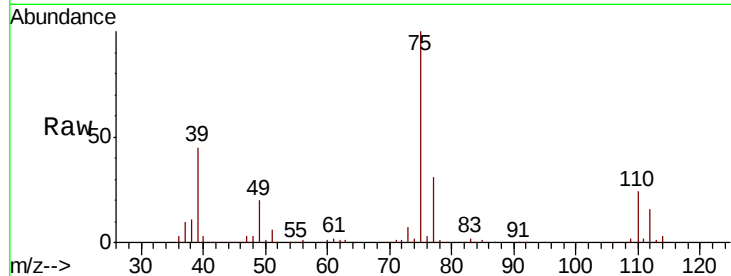




#53
 t-1,3-Dichloropropene
 Concen: 48.281 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

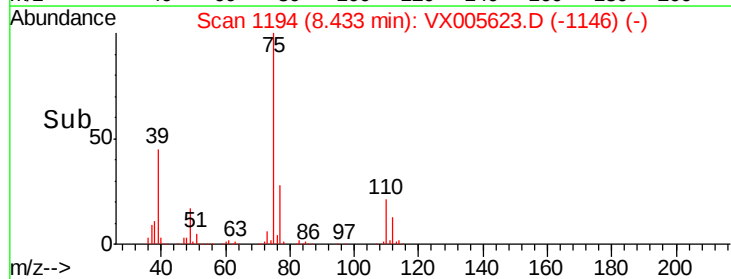
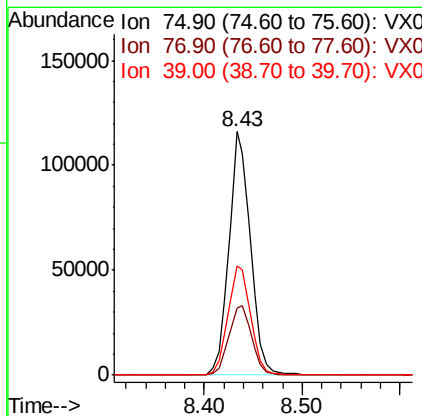
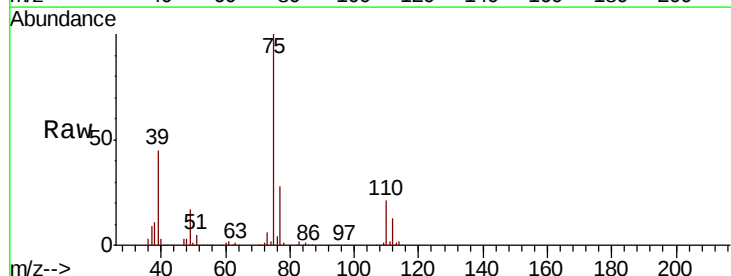
Instrument :
 MSVOA_X
 ClientSampled :
 DL-SW-01MSD

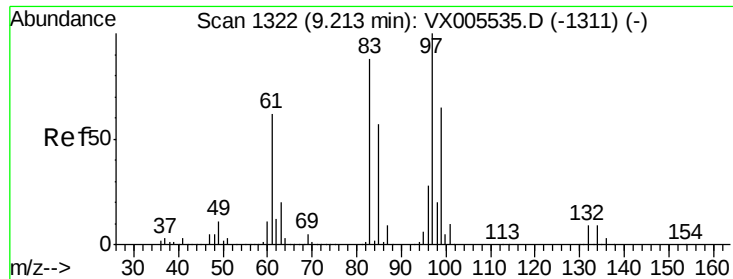
Tot Ion: 75 Resp: 164675
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 48.232 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion: 75 Resp: 177116
 Ion Ratio Lower Upper
 75 100
 77 27.6 25.2 37.8
 39 45.0 38.2 57.2

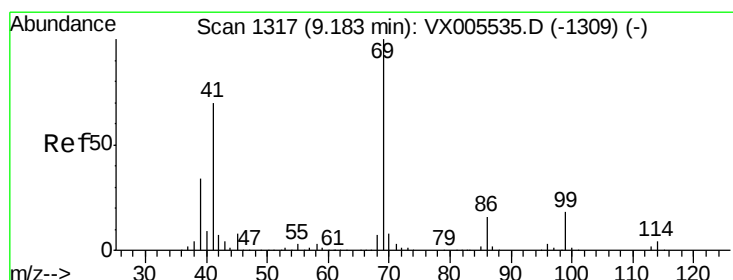
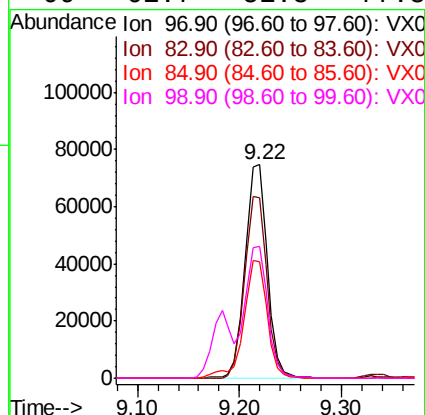
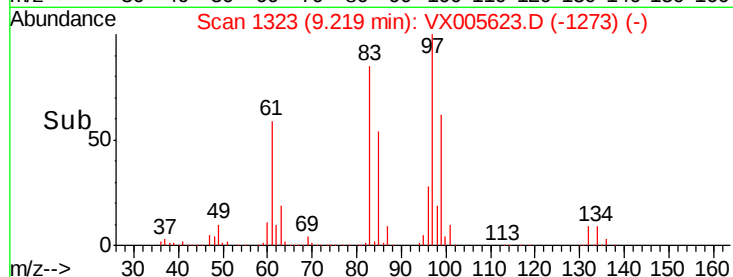
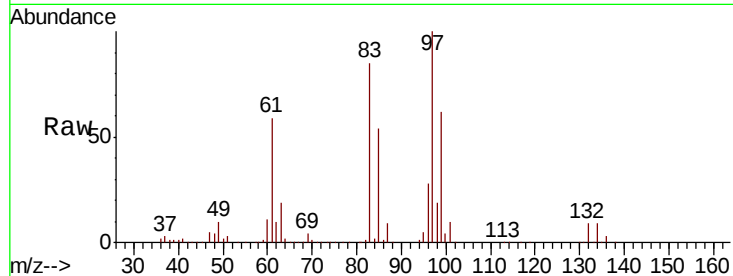




#55
 1,1,2-Trichloroethane
 Concen: 47.163 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

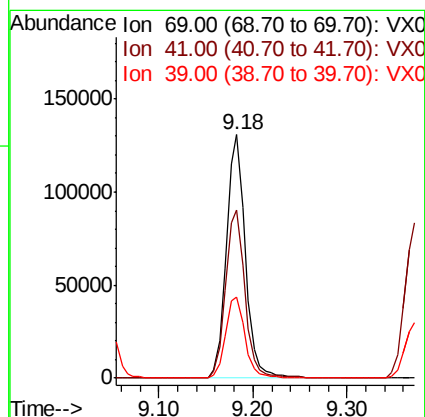
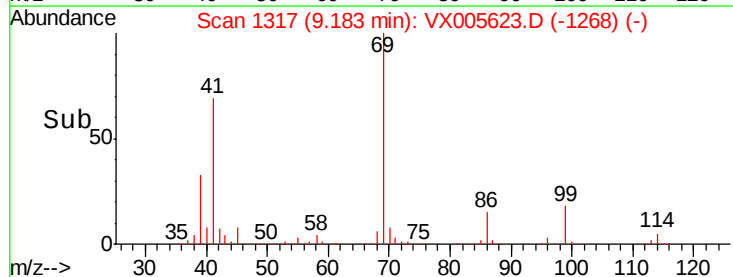
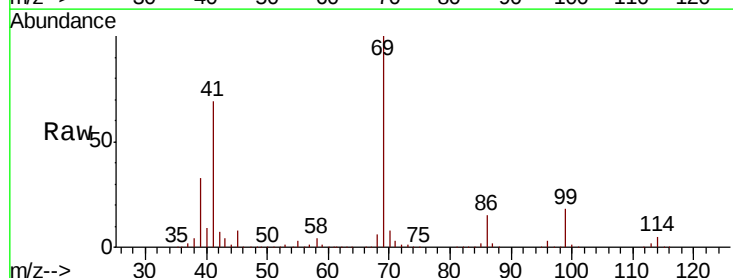
Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

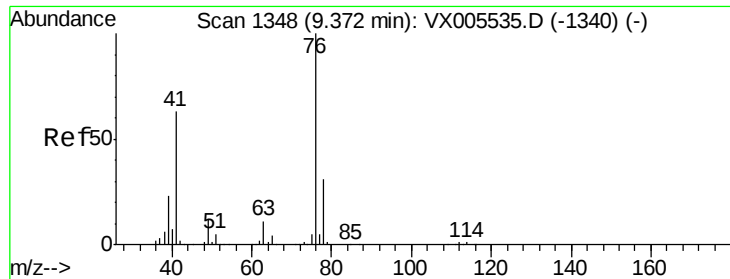
Tot Ion: 97 Resp: 113162
 Ion Ratio Lower Upper
 97 100
 83 84.8 70.7 106.1
 85 54.4 45.8 68.6
 99 61.7 51.8 77.8



#56
 Ethyl methacrylate
 Concen: 50.877 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion: 69 Resp: 182085
 Ion Ratio Lower Upper
 69 100
 41 70.4 57.0 85.6
 39 34.4 28.3 42.5





#57

1,3-Dichloropropane

Concen: 47.316 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

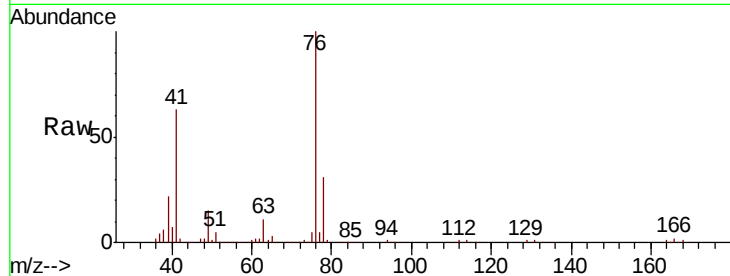
DL-SW-01MSD

Tot Ion: 76 Resp: 192095

Ion Ratio Lower Upper

76 100

78 31.7 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

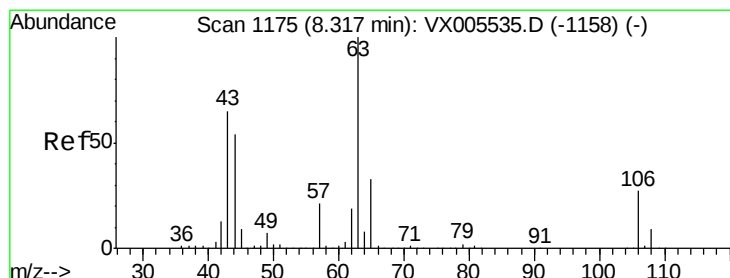
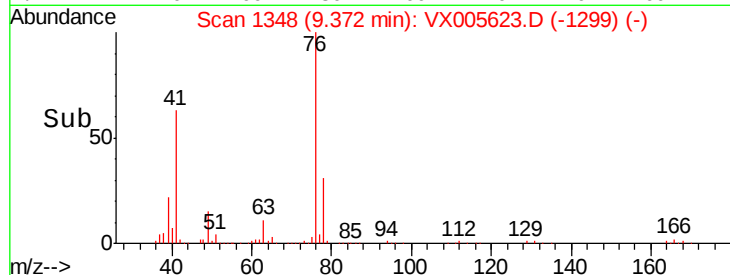
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 0.767 ug/l

RT: 8.28 min Scan# 1169

Delta R.T. -0.04 min

Lab File: VX005623.D

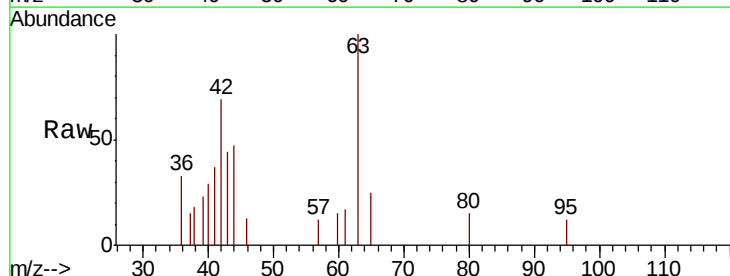
Acq: 26 Oct 2018 23:21

Tgt Ion: 63 Resp: 1533

Ion Ratio Lower Upper

63 100

106 0.0 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.28

500

400

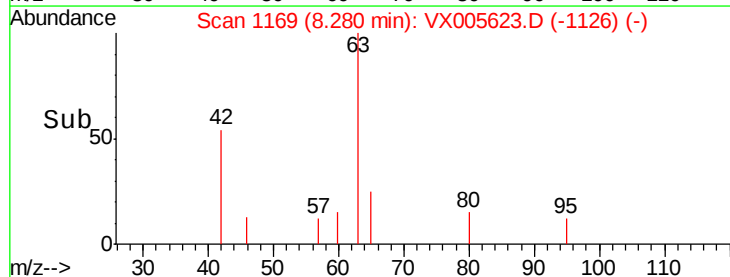
300

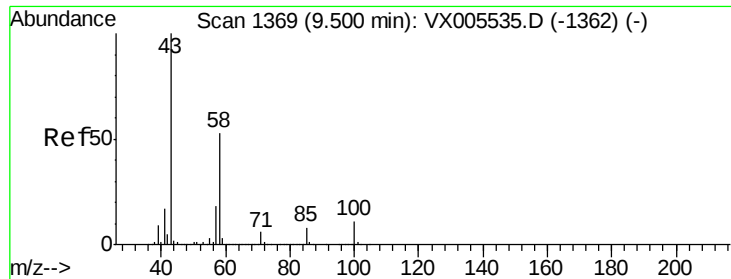
200

100

0

Time-->

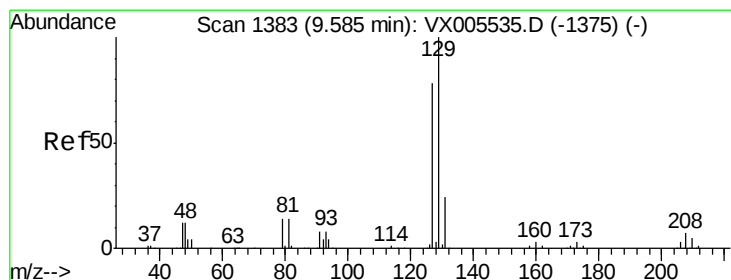
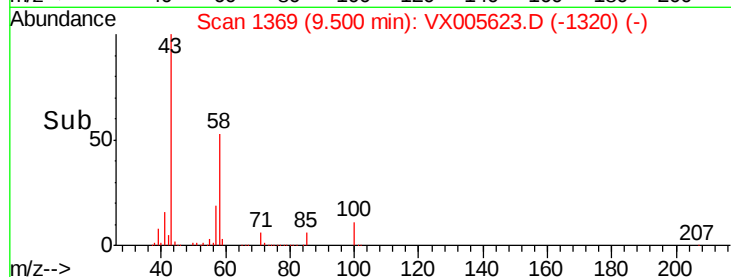
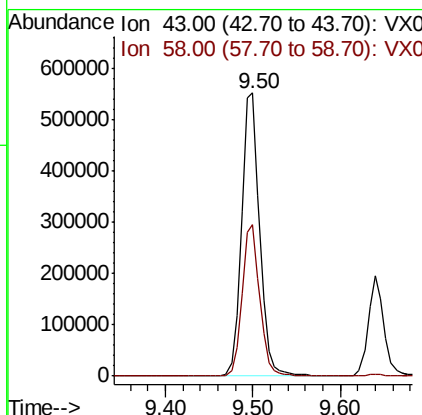
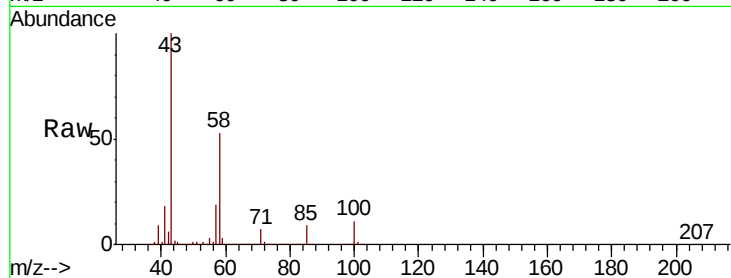




#59
2-Hexanone
Concen: 240.280 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

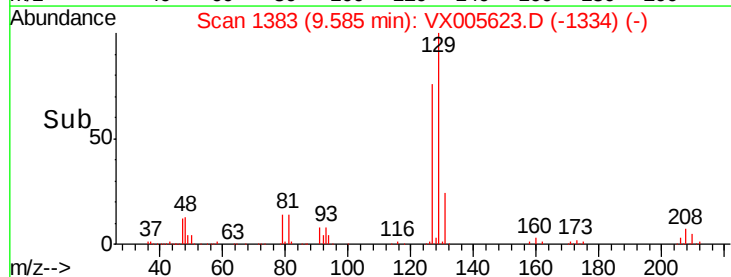
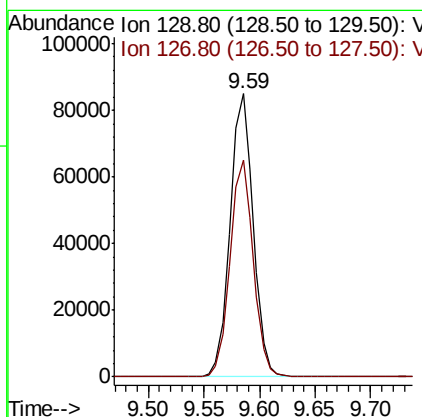
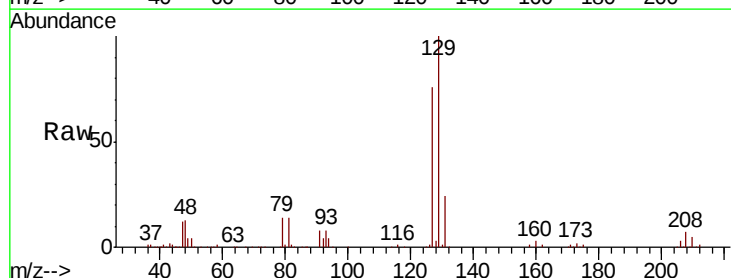
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

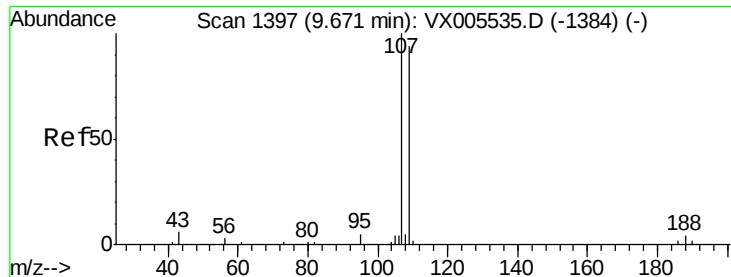
Tot Ion: 43 Resp: 795320
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.8



#60
Dibromochloromethane
Concen: 48.667 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion:129 Resp: 121831
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 47.326 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

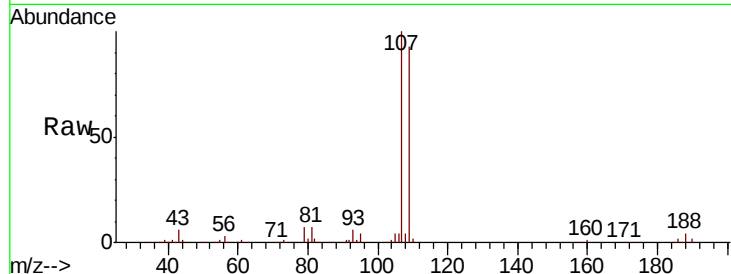
DL-SW-01MSD

Tot Ion:107 Resp: 117477

Ion Ratio Lower Upper

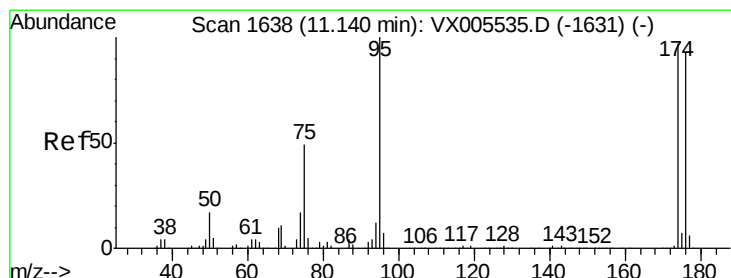
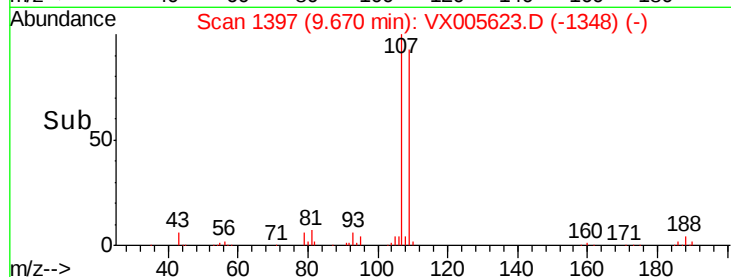
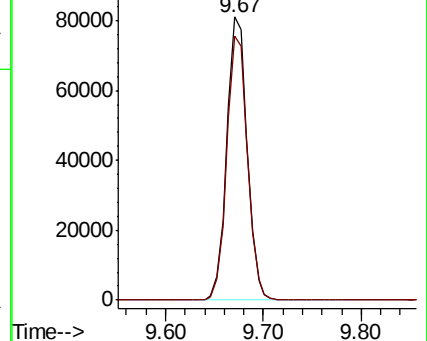
107 100

109 94.7 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.254 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

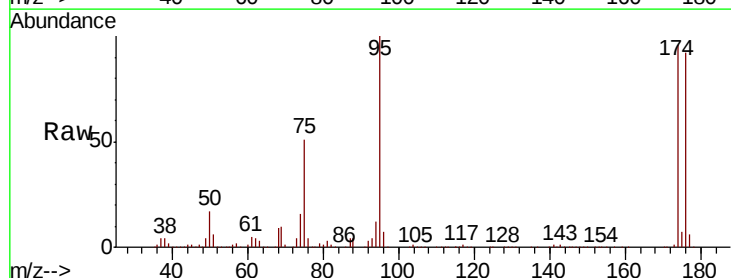
Tgt Ion: 95 Resp: 149241

Ion Ratio Lower Upper

95 100

174 91.3 0.0 184.4

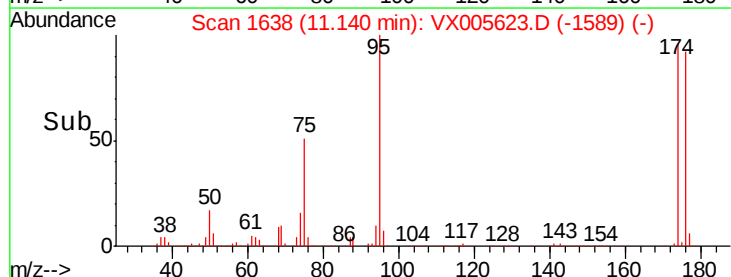
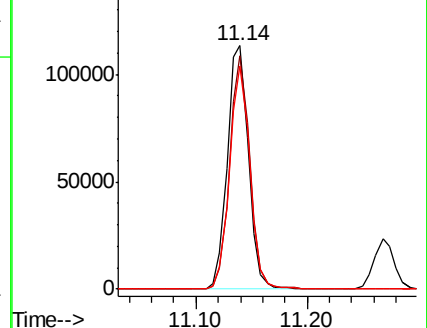
176 88.2 0.0 177.4

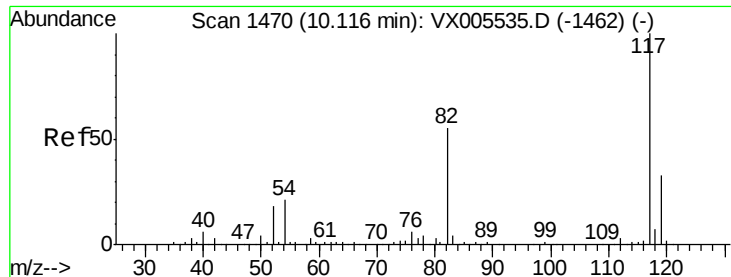


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

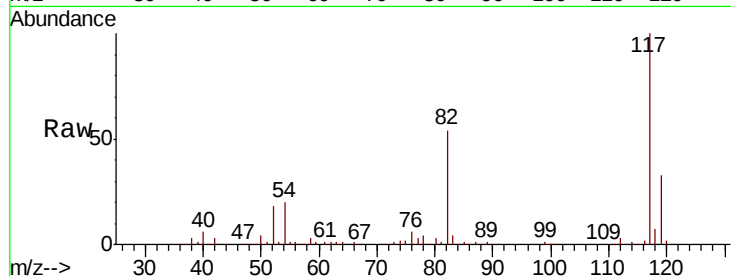




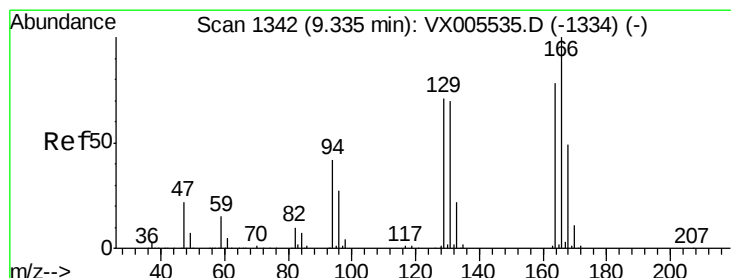
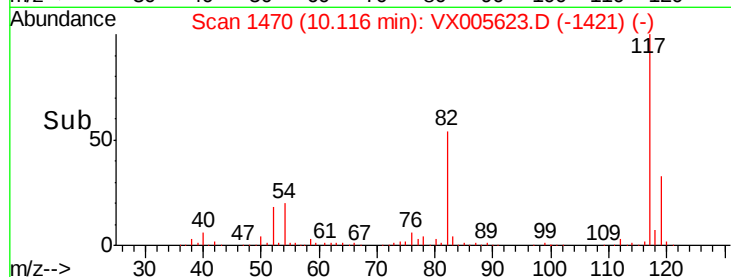
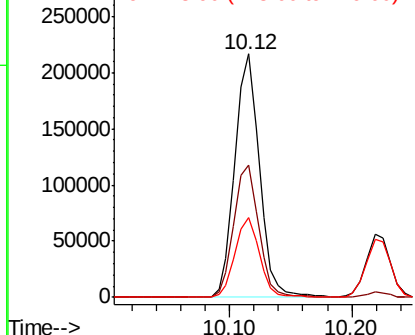
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion:117 Resp: 301841
Ion Ratio Lower Upper
117 100
82 54.1 44.1 66.1
119 32.7 26.2 39.2

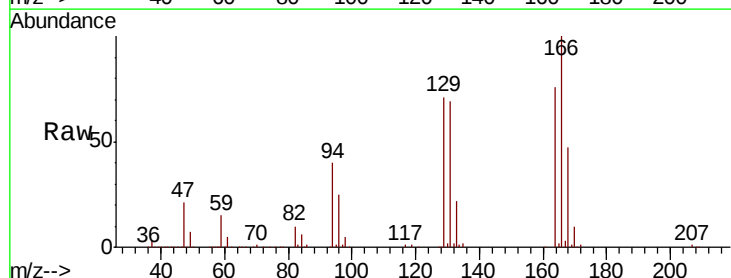


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

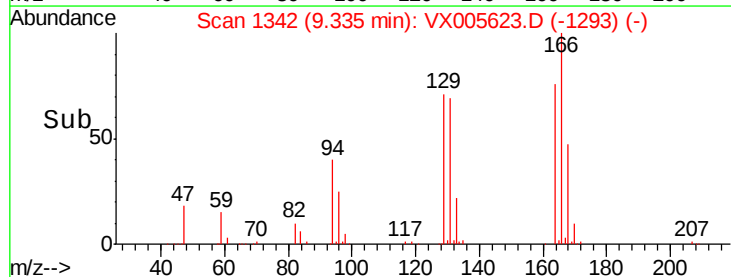
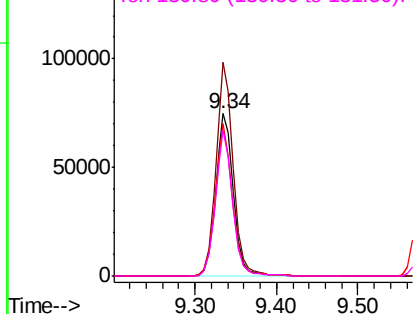


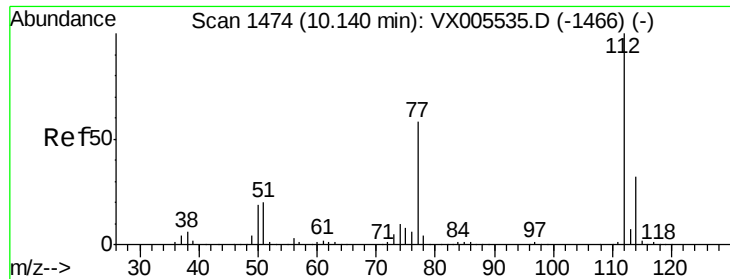
#64
Tetrachloroethene
Concen: 45.569 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion:164 Resp: 114181
Ion Ratio Lower Upper
164 100
166 131.8 101.9 152.9
129 93.7 72.6 109.0
131 90.3 71.1 106.7



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

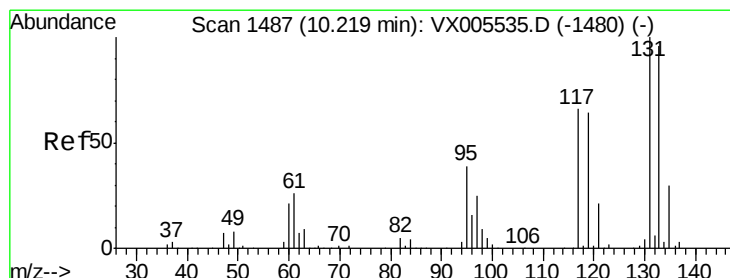
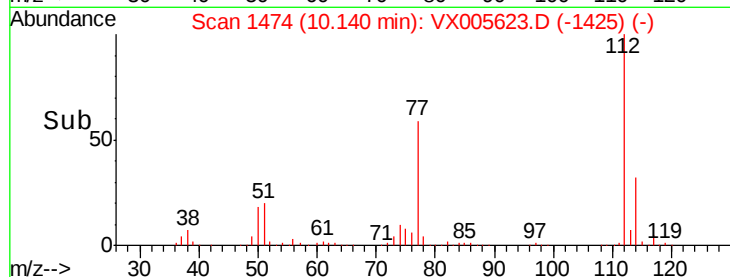
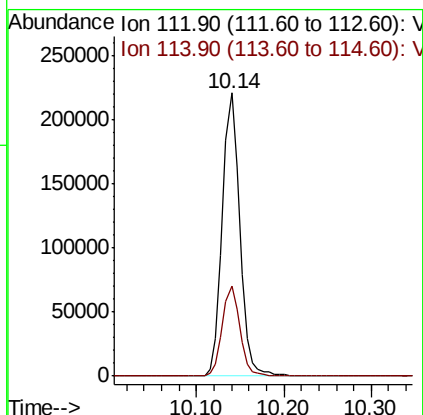
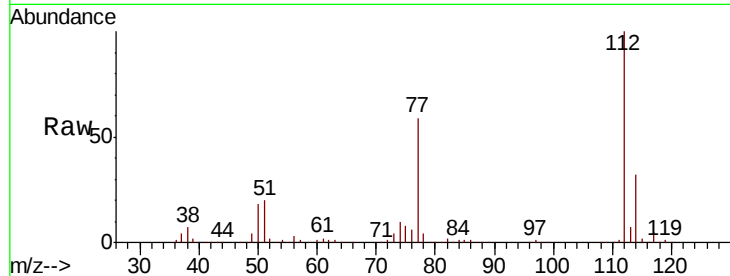




#65
Chlorobenzene
Concen: 47.728 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

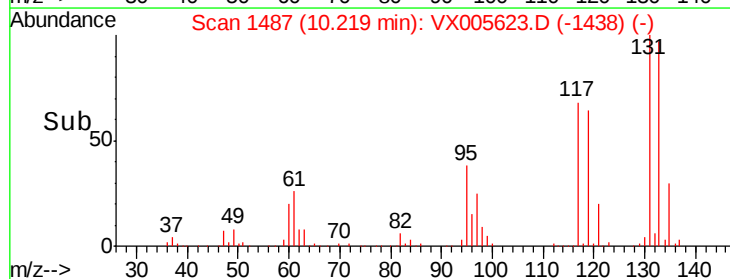
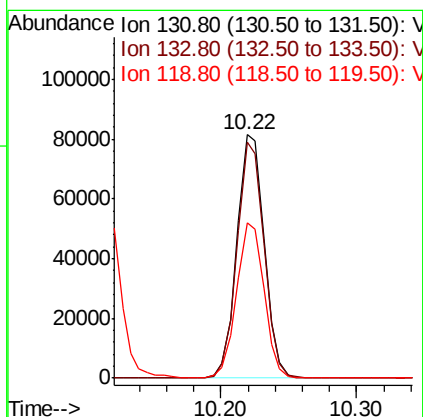
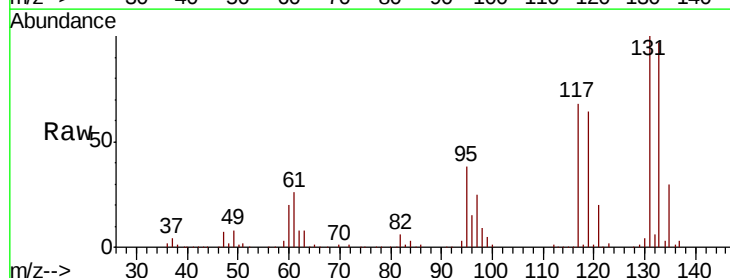
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

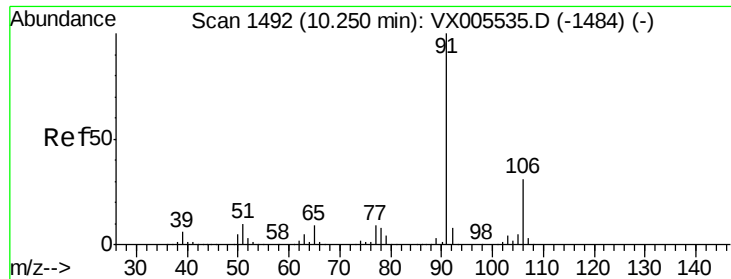
Tot Ion:112 Resp: 306770
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 48.635 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion:131 Resp: 113985
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.5
119 64.2 31.8 95.3





#67

Ethyl Benzene

Concen: 50.430 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

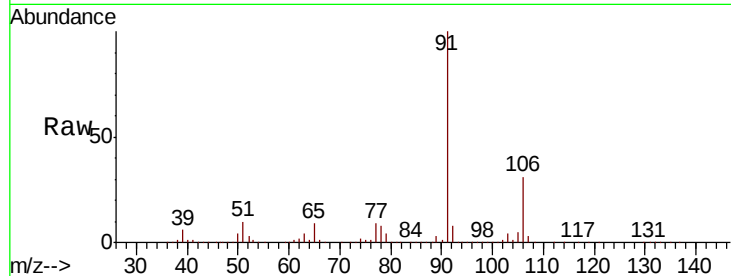
DL-SW-01MSD

Tot Ion: 91 Resp: 533304

Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX005535.D (-1484) (-)

Ion 106.00 (105.70 to 106.70): VX005535.D (-1484) (-)

600000

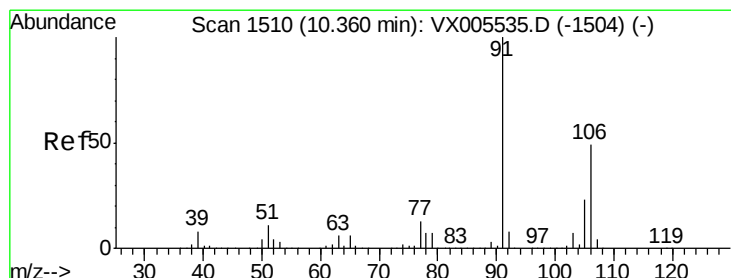
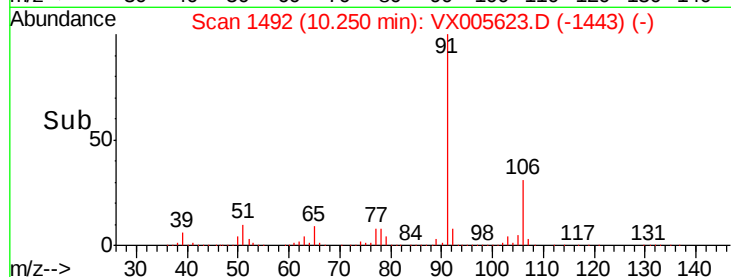
400000

200000

0

10.20 10.25 10.30

Time-->



#68

m/p-Xylenes

Concen: 100.466 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005623.D

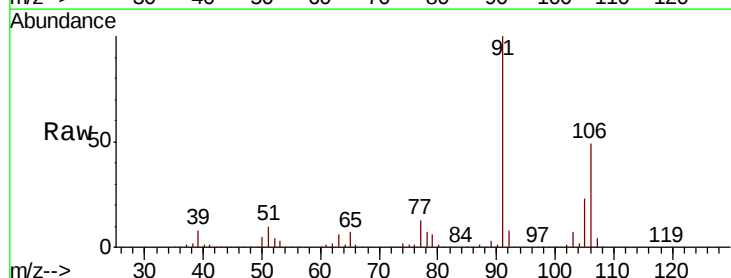
Acq: 26 Oct 2018 23:21

Tgt Ion: 106 Resp: 412196

Ion Ratio Lower Upper

106 100

91 205.1 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005535.D (-1504) (-)

Ion 91.00 (90.70 to 91.70): VX005535.D (-1504) (-)

600000

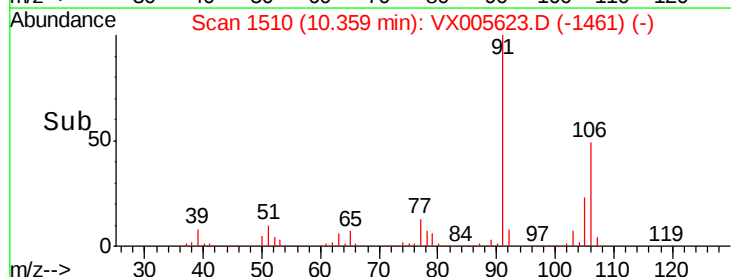
400000

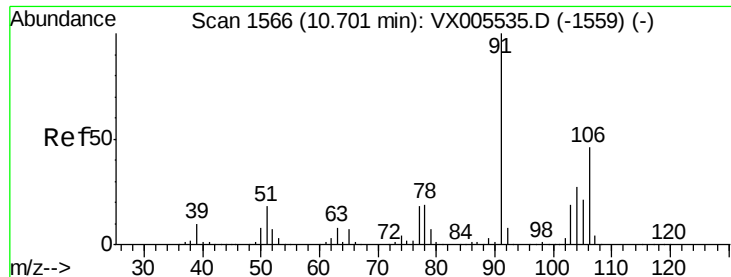
200000

0

10.30 10.36 10.40 10.50

Time-->

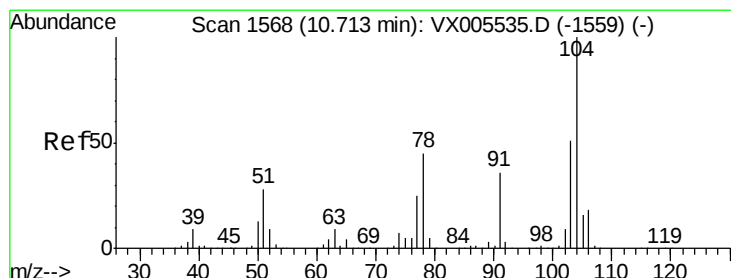
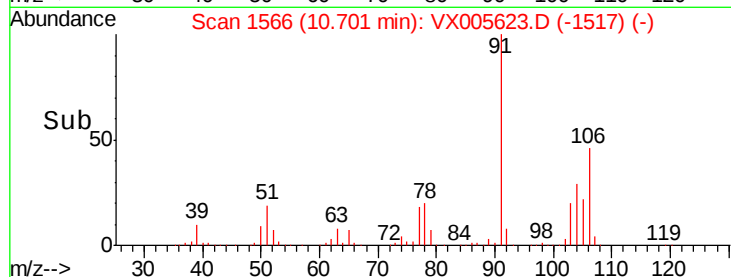
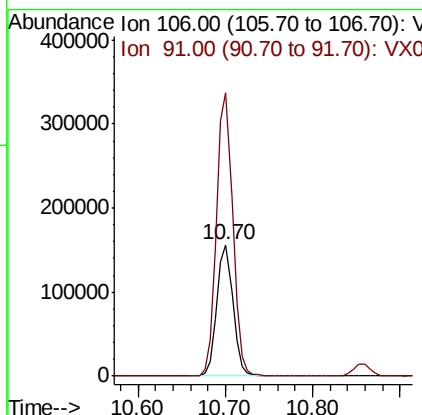
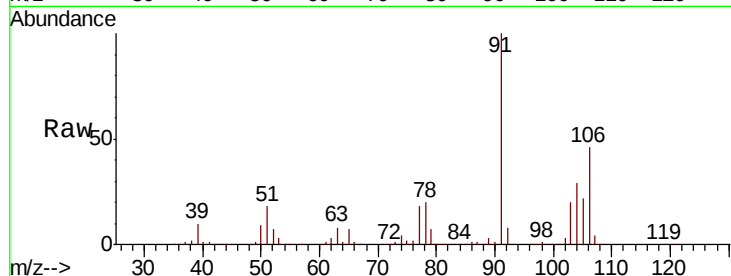




#69
o-Xylene
Concen: 51.598 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

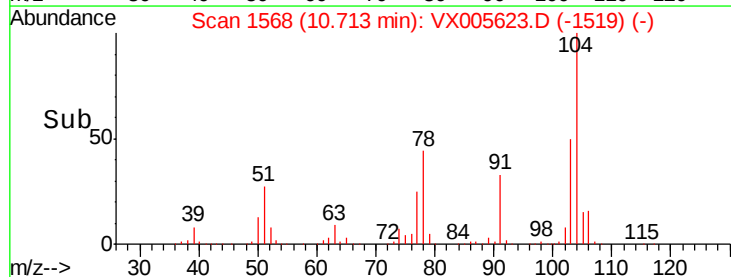
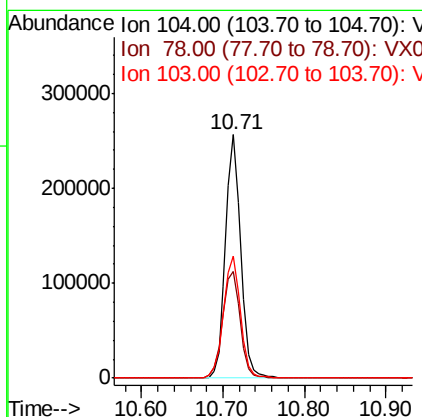
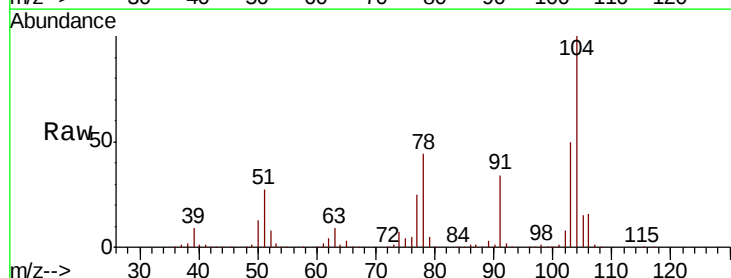
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

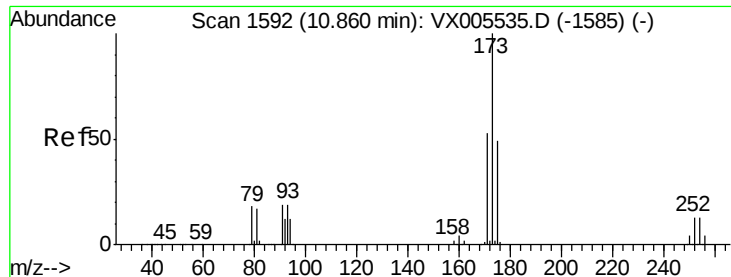
Tot Ion:106 Resp: 199171
Ion Ratio Lower Upper
106 100
91 217.6 108.5 325.5



#70
Styrene
Concen: 51.612 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion:104 Resp: 333505
Ion Ratio Lower Upper
104 100
78 50.8 40.2 60.4
103 55.5 44.9 67.3





#71

Bromoform

Concen: 48.639 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

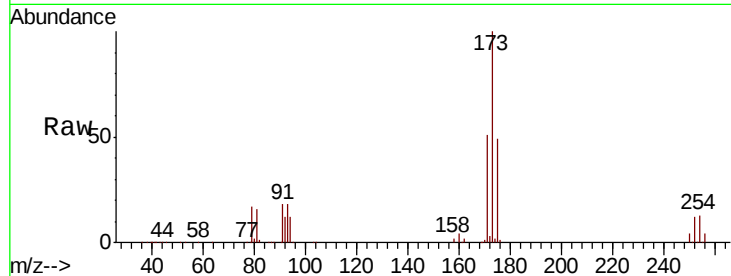
Tot Ion:173 Resp: 101722

Ion Ratio Lower Upper

173 100

175 48.2 24.8 74.3

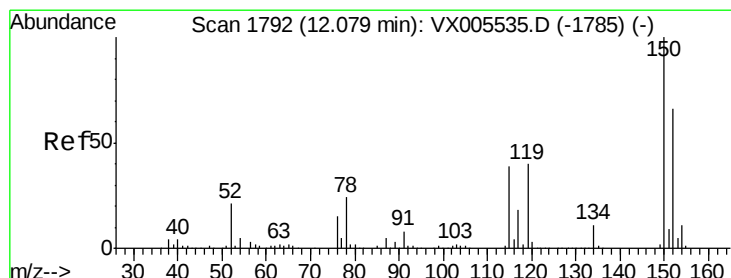
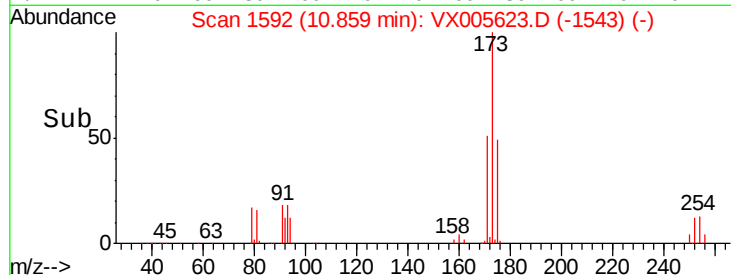
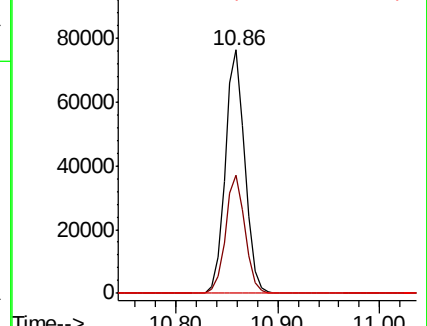
254 0.2 0.2 0.2



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

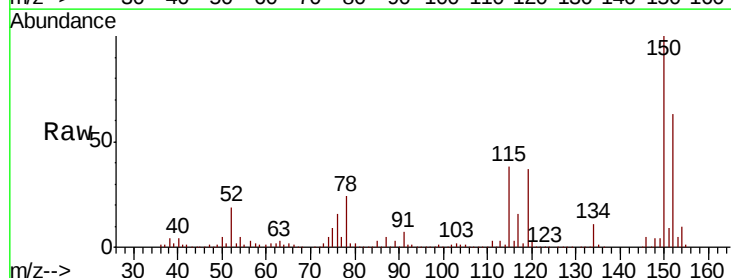
Tgt Ion:152 Resp: 168718

Ion Ratio Lower Upper

152 100

115 77.6 39.4 118.1

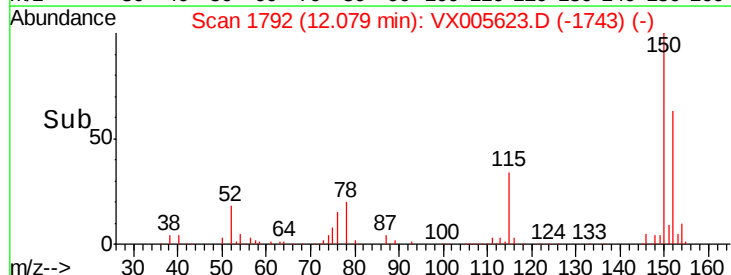
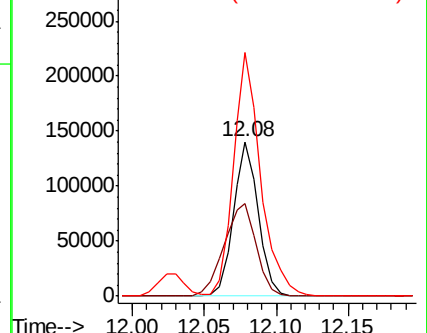
150 173.3 0.0 346.4

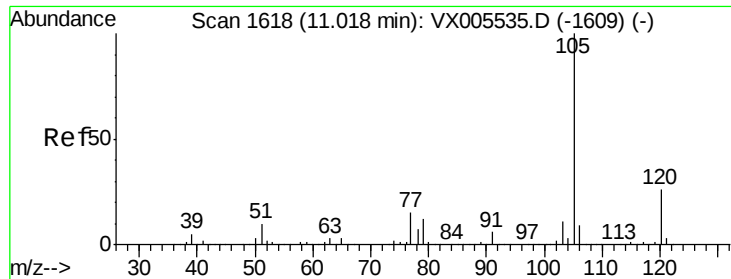


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

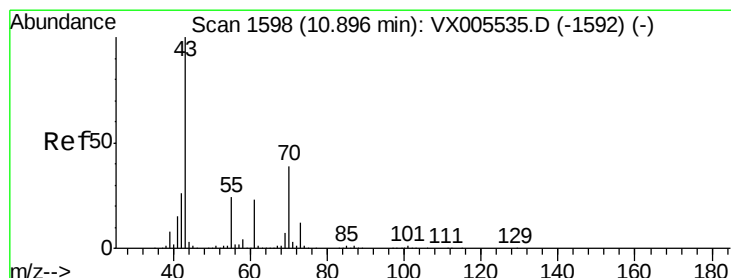
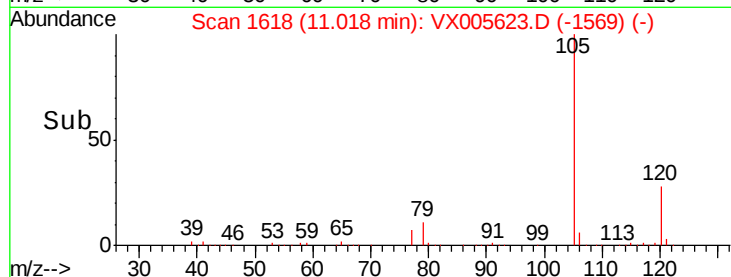
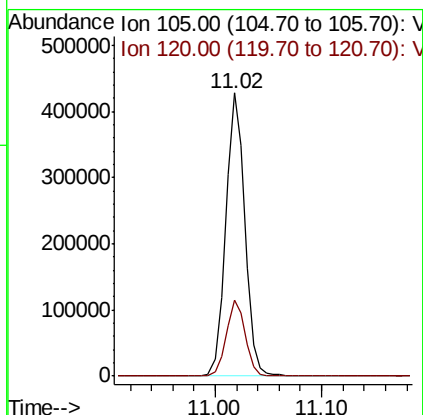
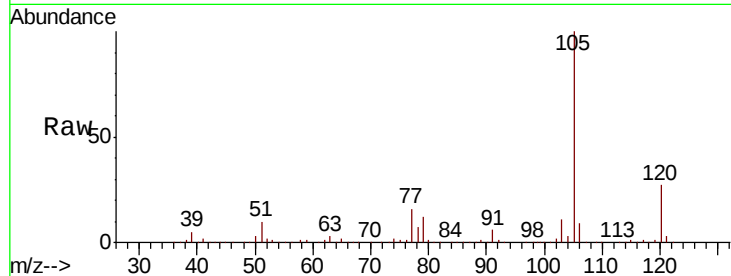




#73
Isopropylbenzene
Concen: 52.060 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

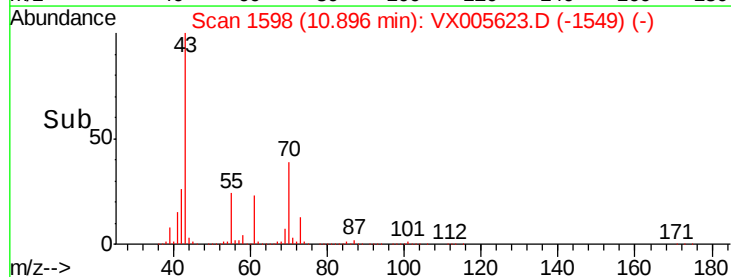
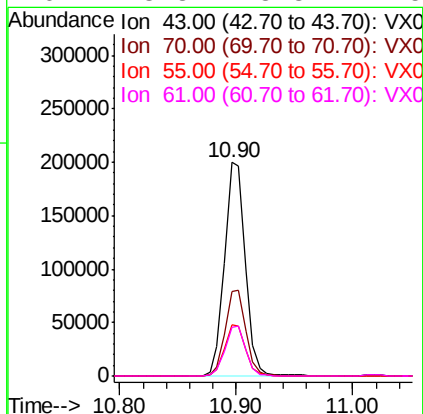
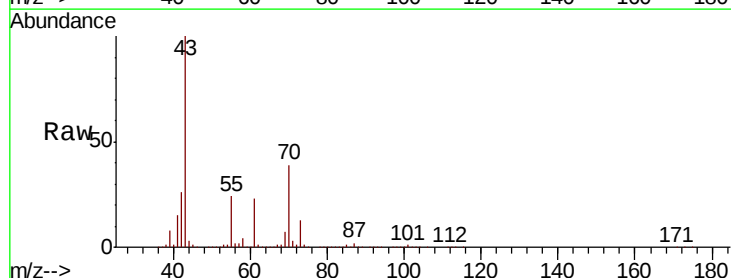
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

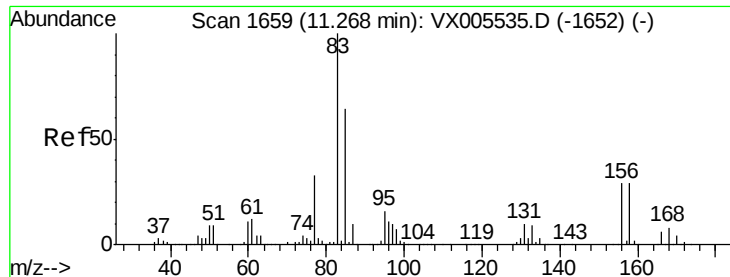
Tot Ion:105 Resp: 536915
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.3



#74
N-ethyl acetate
Concen: 48.284 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion: 43 Resp: 246749
Ion Ratio Lower Upper
43 100
70 39.8 31.6 47.4
55 24.1 19.7 29.5
61 23.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.095 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

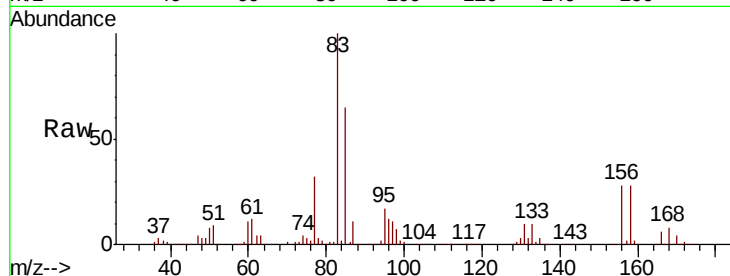
Tot Ion: 83 Resp: 186803

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.9

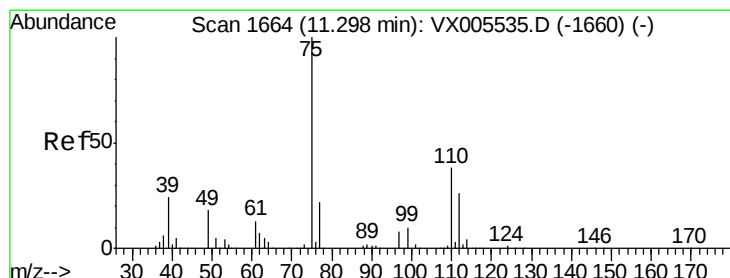
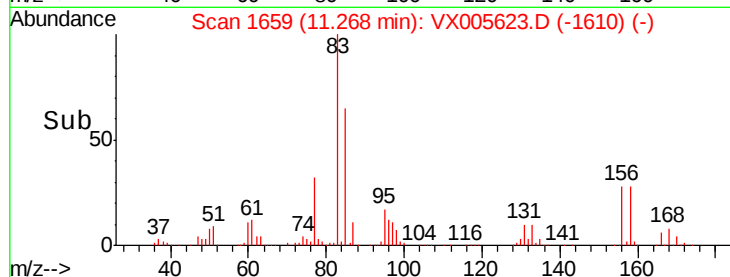
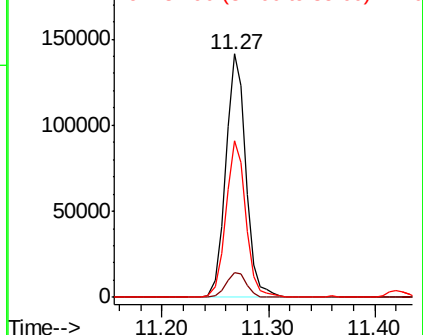
85 63.9 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 59.903 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005623.D

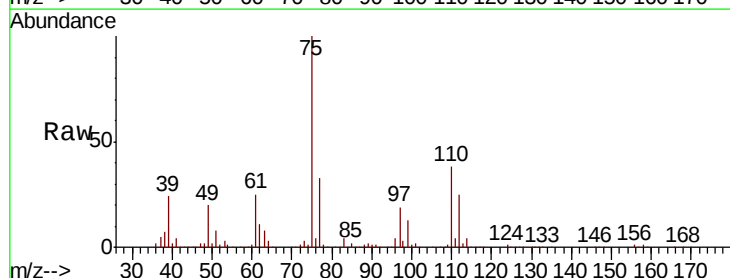
Acq: 26 Oct 2018 23:21

Tgt Ion: 75 Resp: 214138

Ion Ratio Lower Upper

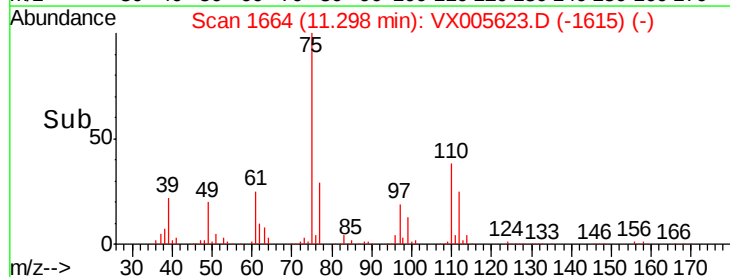
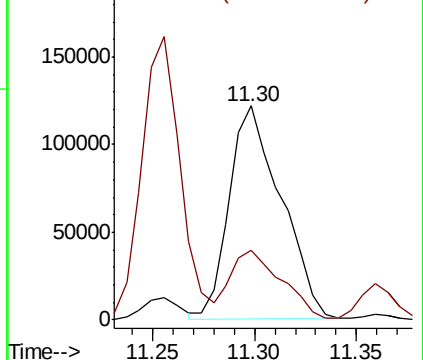
75 100

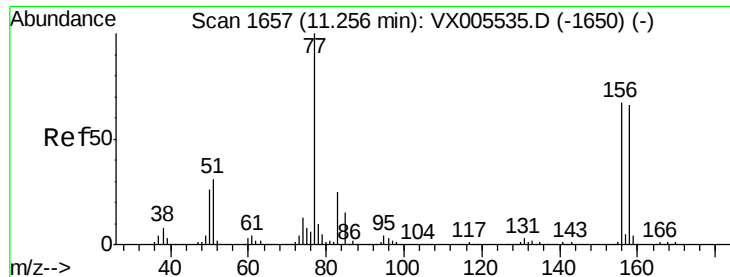
77 32.5 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 50.224 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

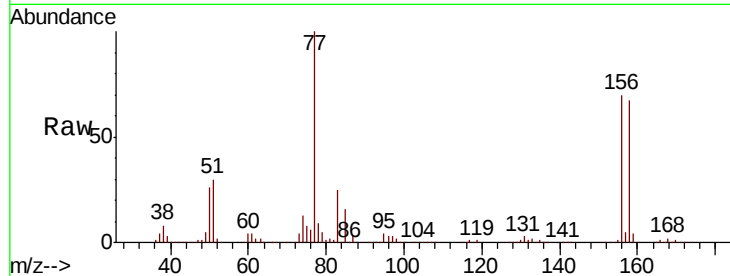
Tot Ion:156 Resp: 144358

Ion Ratio Lower Upper

156 100

77 147.0 74.8 224.4

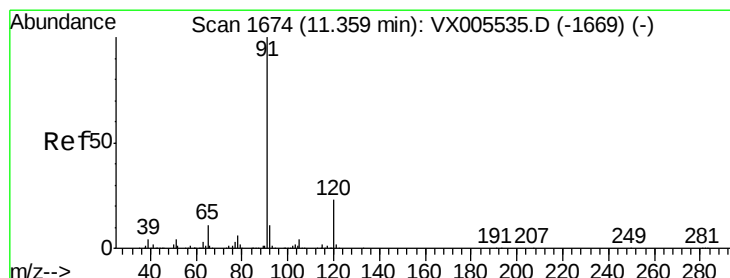
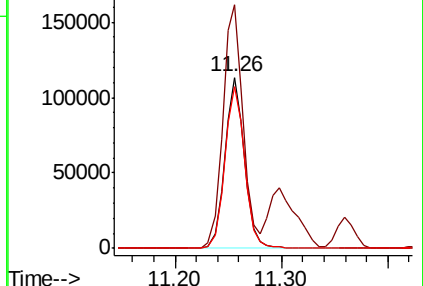
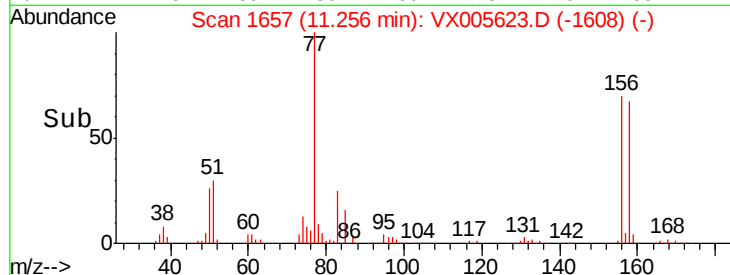
158 97.0 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.290 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005623.D

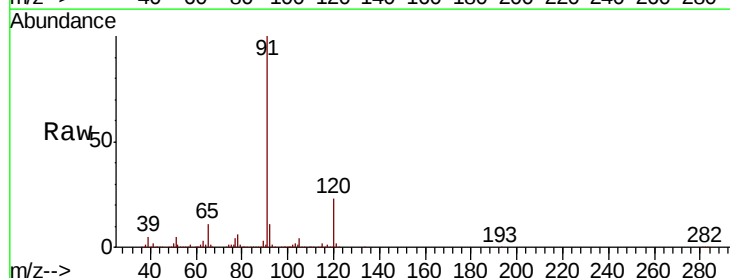
Acq: 26 Oct 2018 23:21

Tgt Ion: 91 Resp: 616661

Ion Ratio Lower Upper

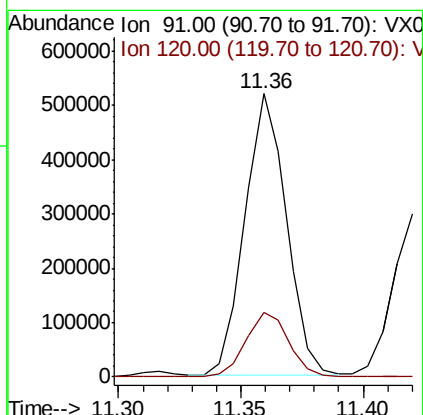
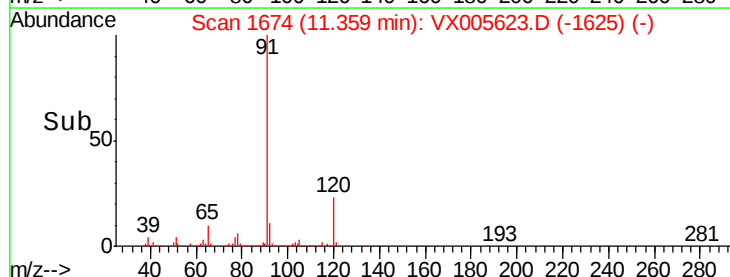
91 100

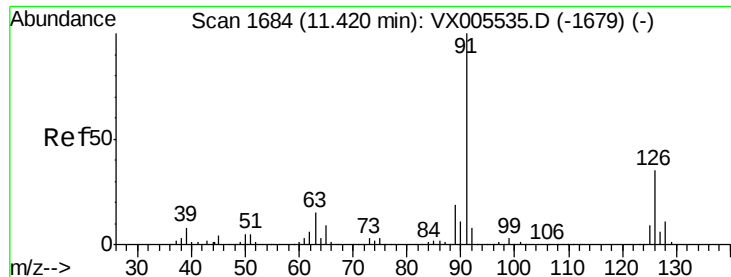
120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

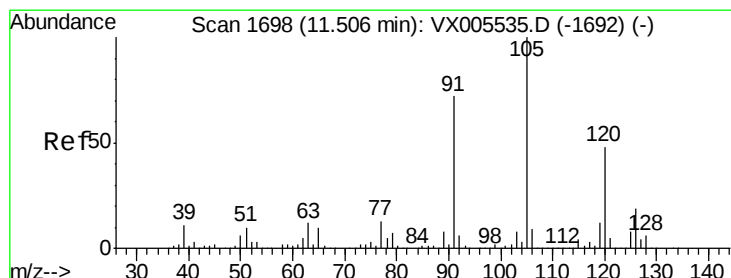
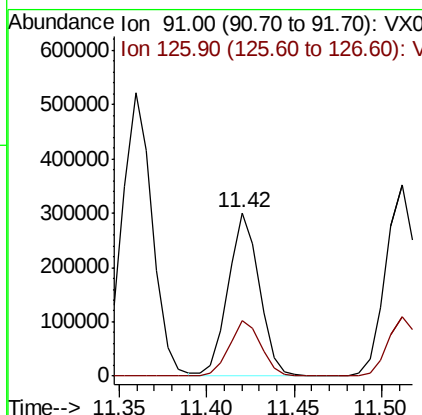
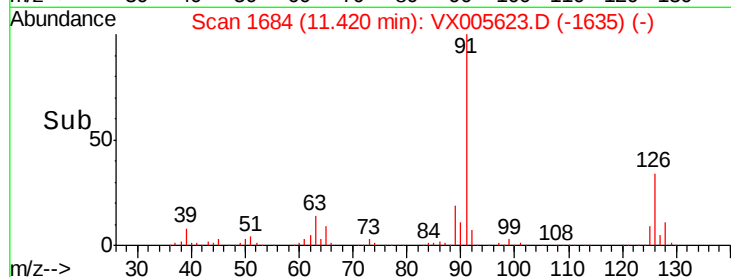
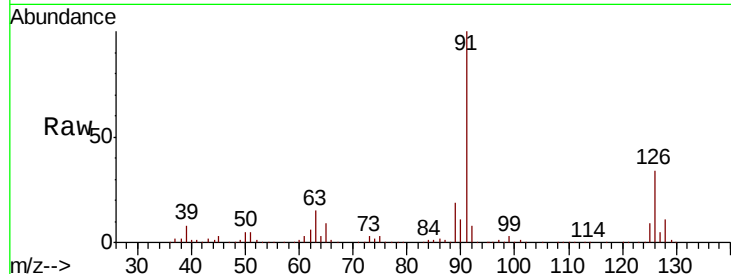




#79
 2-Chlorotoluene
 Concen: 50.431 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

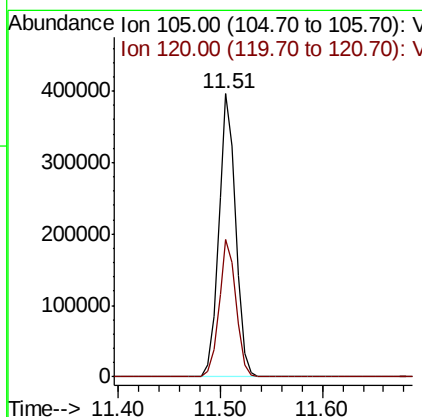
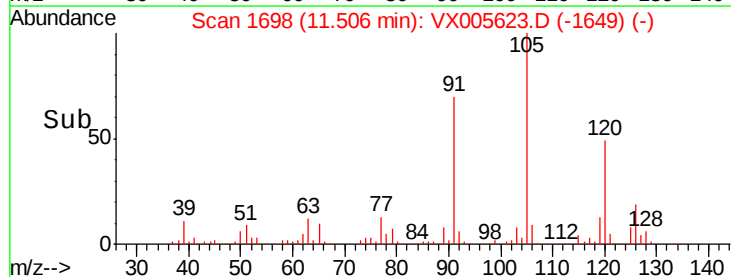
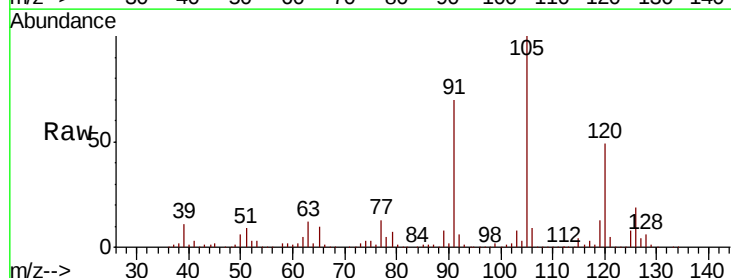
Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

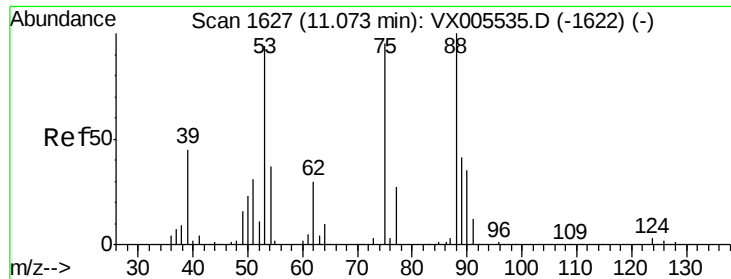
Tot Ion: 91 Resp: 368756
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 52.167 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion: 105 Resp: 460251
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.073 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MSD

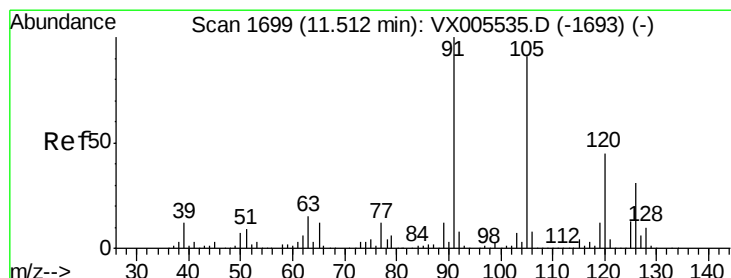
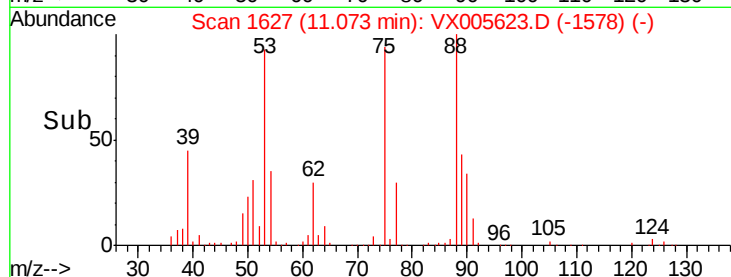
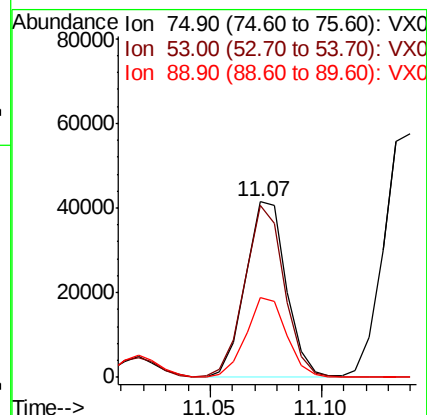
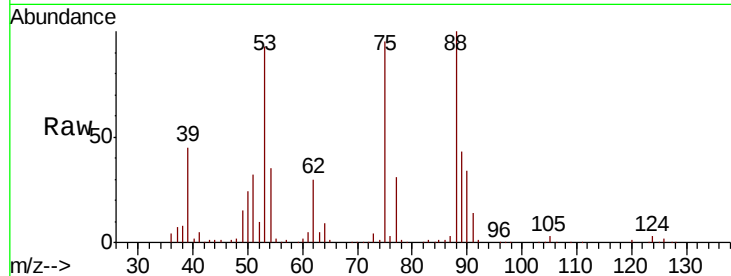
Tot Ion: 75 Resp: 52593

Ion Ratio Lower Upper

75 100

53 95.4 80.2 120.2

89 45.2 39.8 59.8



#82

4-Chlorotoluene

Concen: 50.446 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005623.D

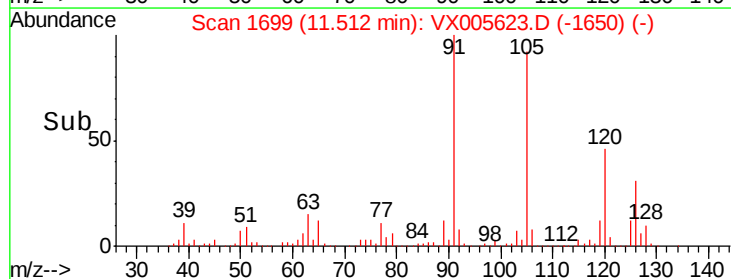
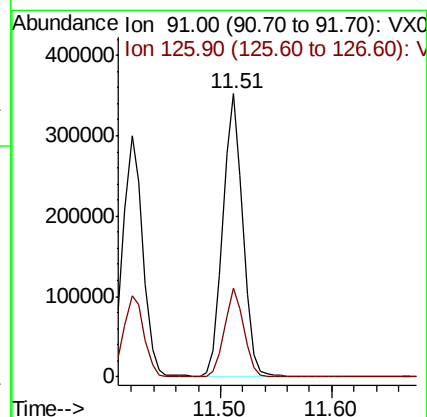
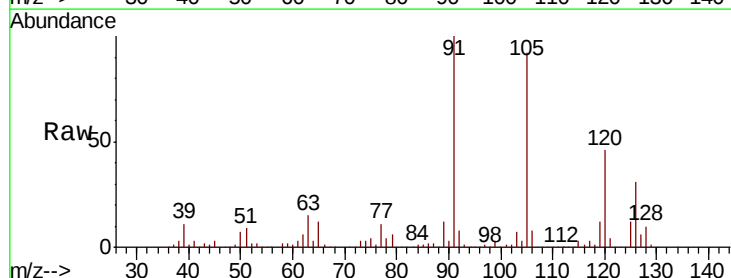
Acq: 26 Oct 2018 23:21

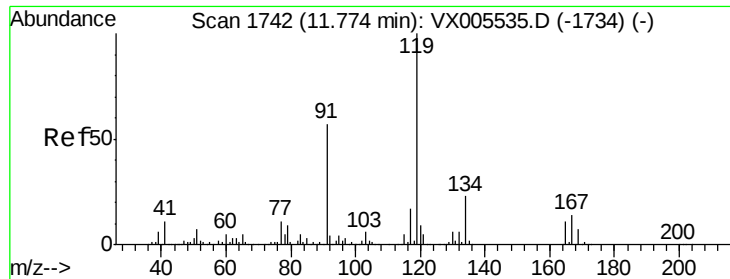
Tgt Ion: 91 Resp: 434949

Ion Ratio Lower Upper

91 100

126 30.7 15.2 45.6





#83

tert-Butylbenzene

Concen: 52.820 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampled :

DL-SW-01MSD

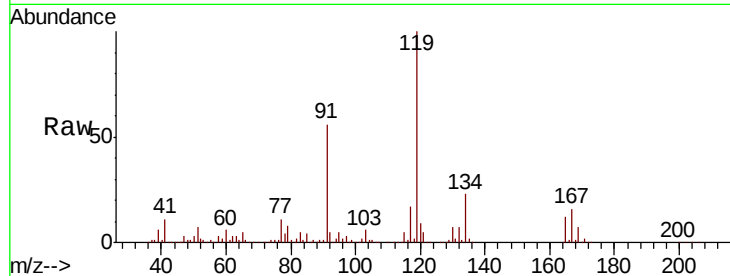
Tot Ion:119 Resp: 464523

Ion Ratio Lower Upper

119 100

91 55.8 28.5 85.5

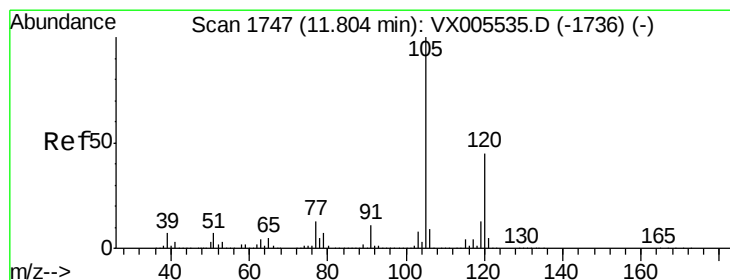
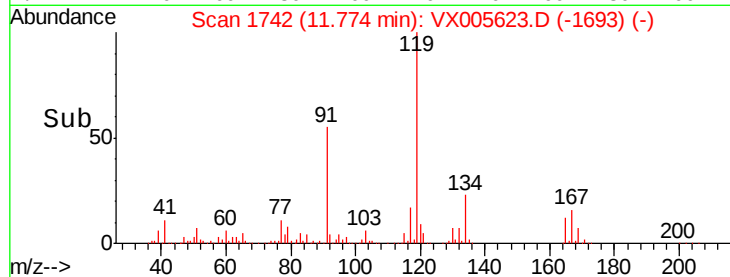
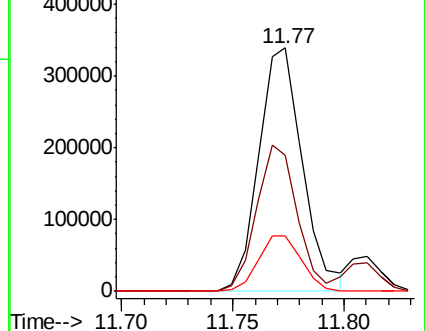
134 22.5 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.118 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX005623.D

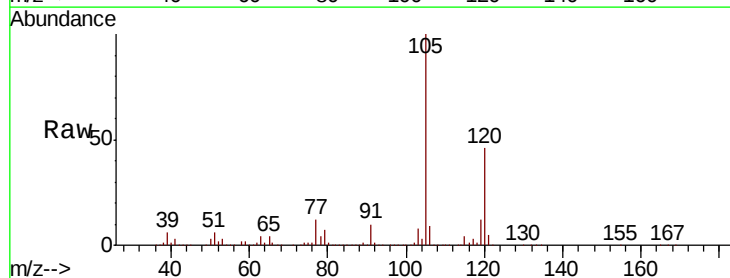
Acq: 26 Oct 2018 23:21

Tgt Ion:105 Resp: 474963

Ion Ratio Lower Upper

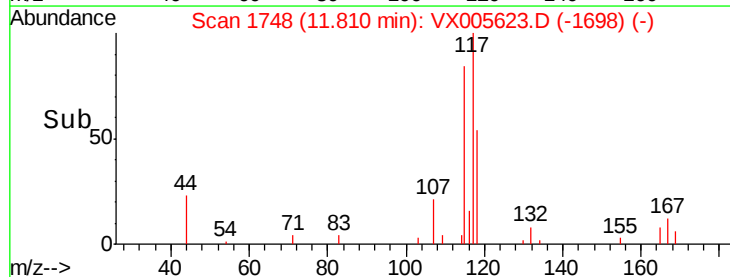
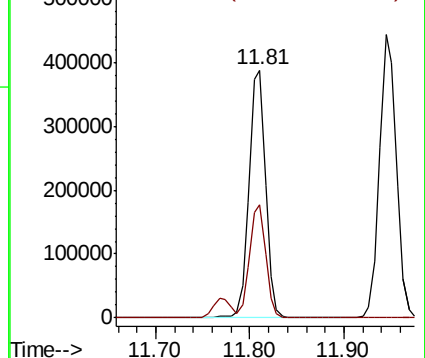
105 100

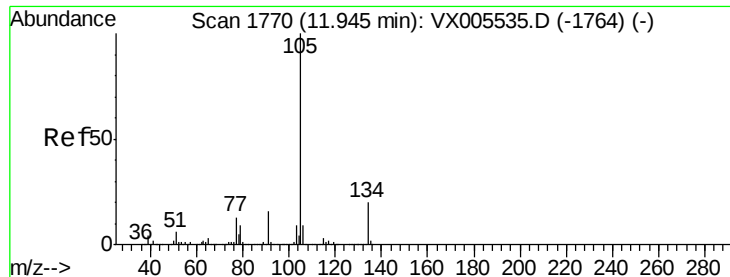
120 44.7 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.317 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

Instrument :

MSVOA_X

ClientSampleId :

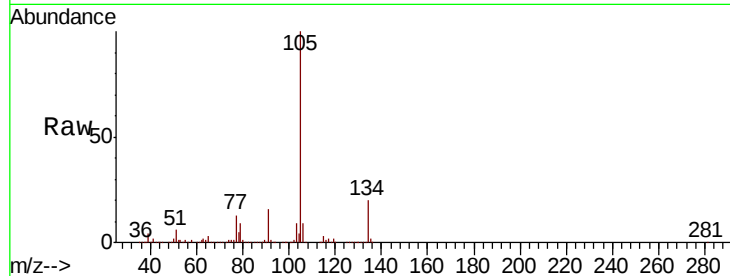
DL-SW-01MSD

Tot Ion:105 Resp: 549010

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

400000

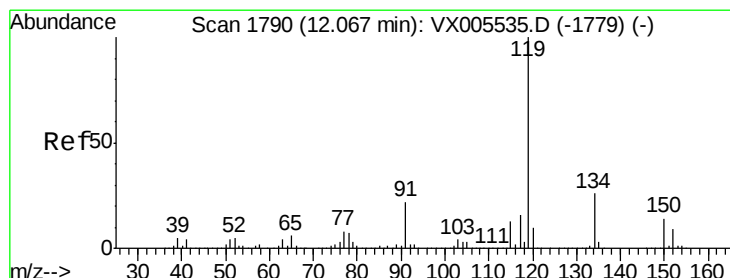
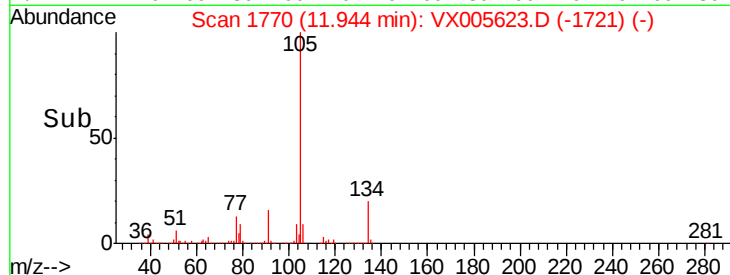
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.590 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005623.D

Acq: 26 Oct 2018 23:21

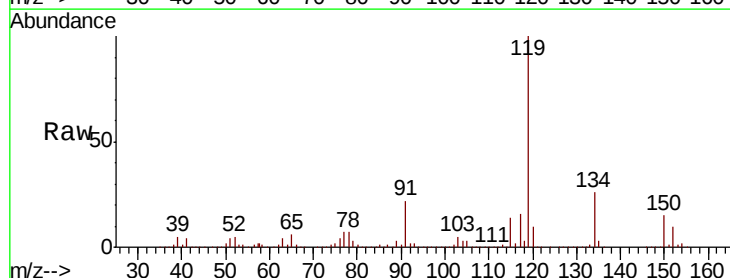
Tgt Ion:119 Resp: 493350

Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 22.8 11.4 34.2



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

12.07

400000

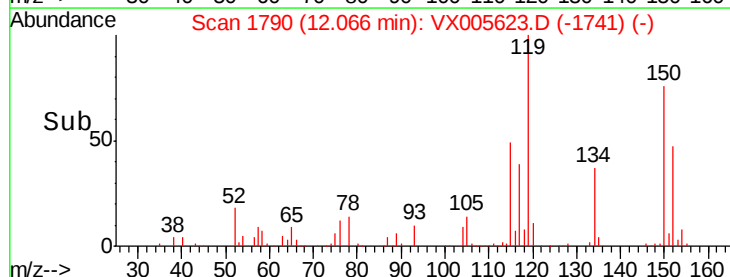
300000

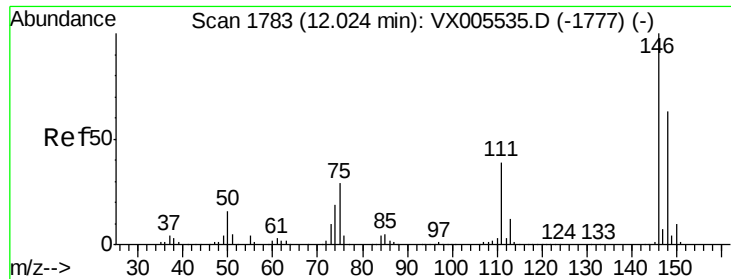
200000

100000

0

Time-->

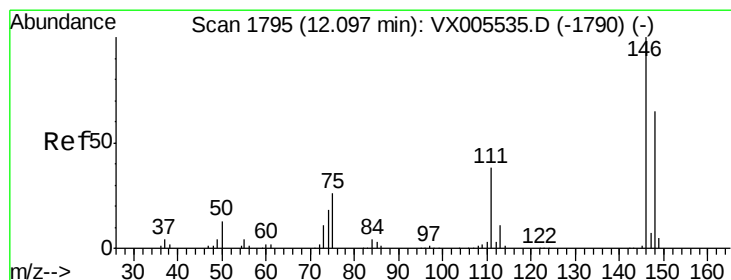
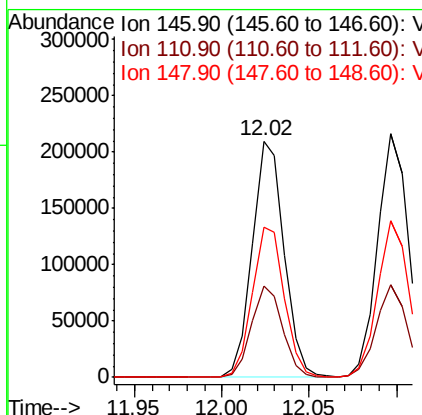
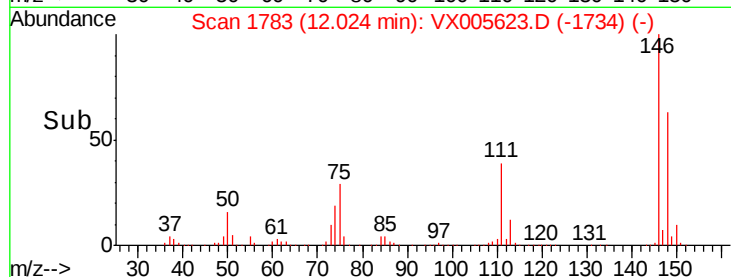
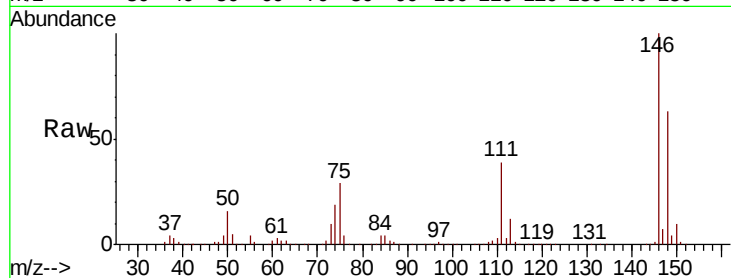




#87
 1,3-Dichlorobenzene
 Concen: 49.117 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

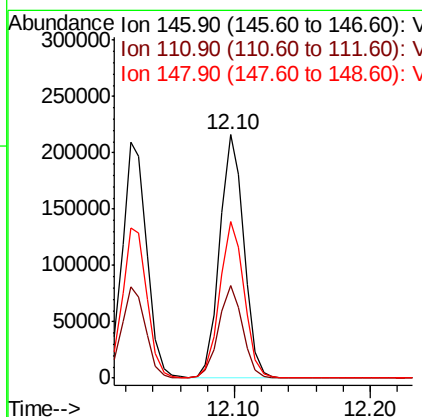
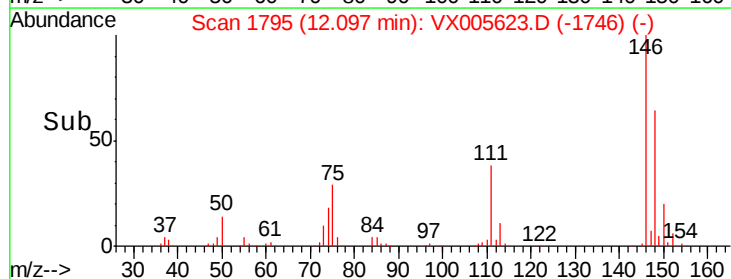
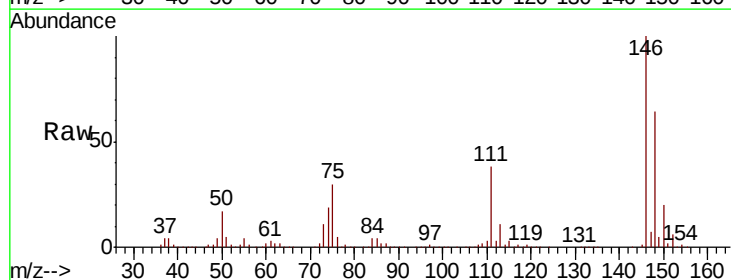
Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

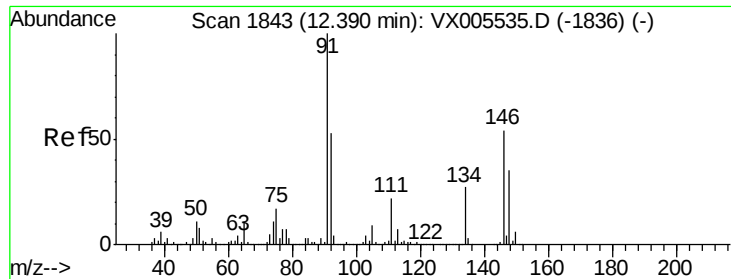
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.0	57.0
148	64.0	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 47.146 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.8	32.1	96.3

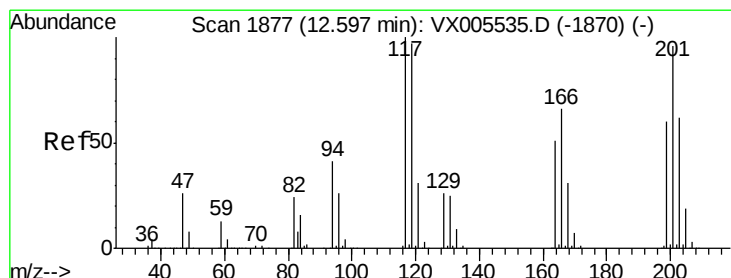
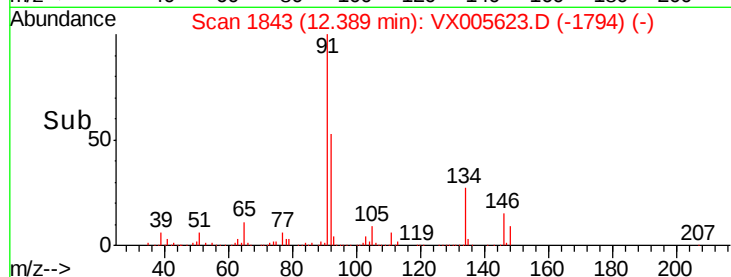
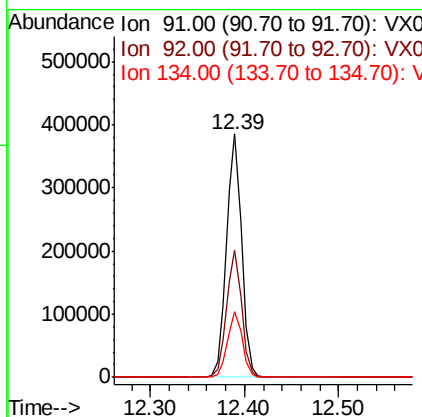
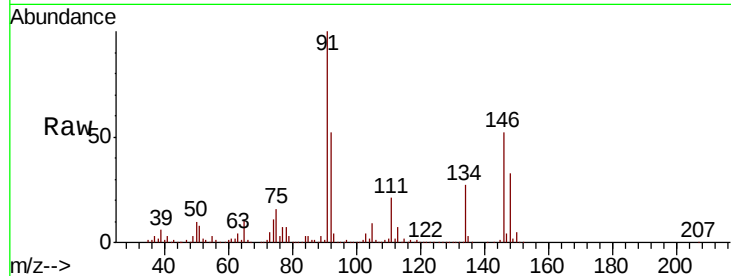




#89
n-Butylbenzene
Concen: 50.607 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

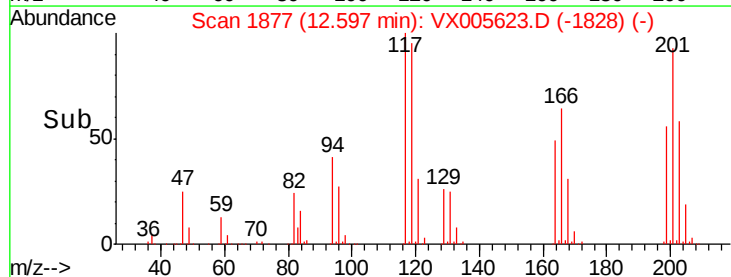
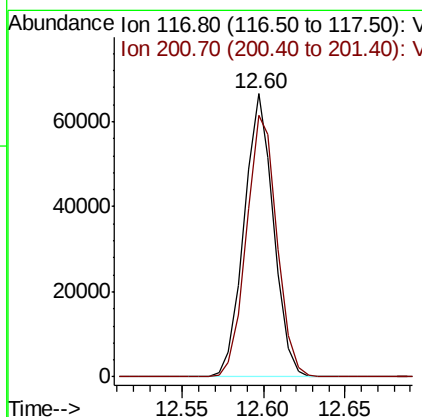
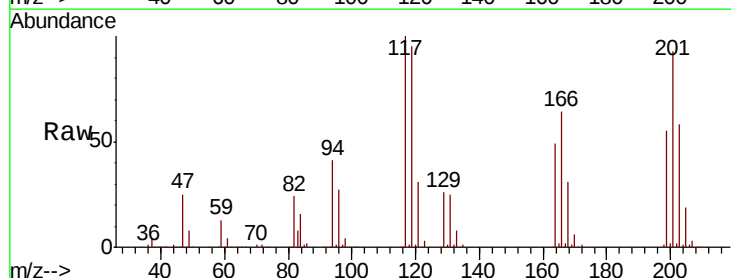
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

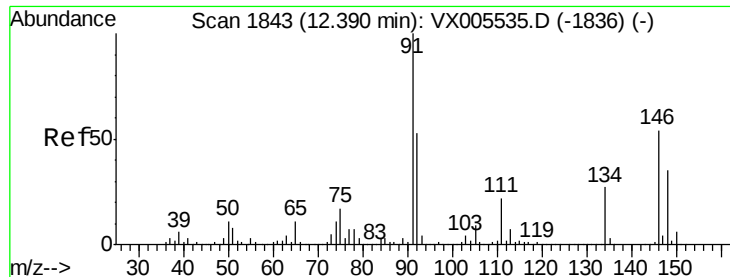
Tot Ion: 91 Resp: 428587
Ion Ratio Lower Upper
91 100
92 52.1 26.1 78.2
134 26.6 13.1 39.3



#90
Hexachloroethane
Concen: 51.520 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion: 117 Resp: 83357
Ion Ratio Lower Upper
117 100
201 96.0 47.9 143.6

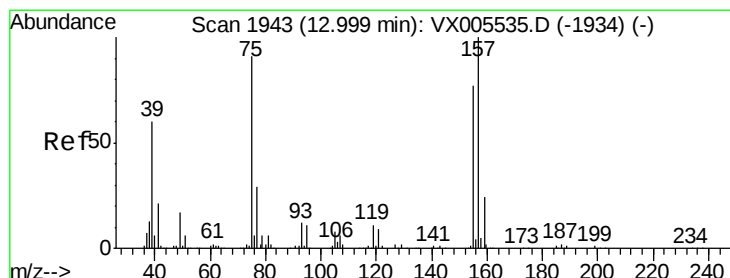
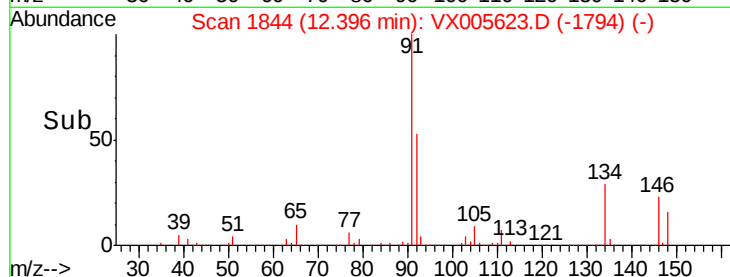
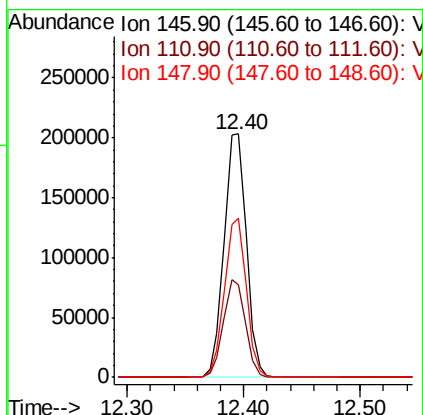
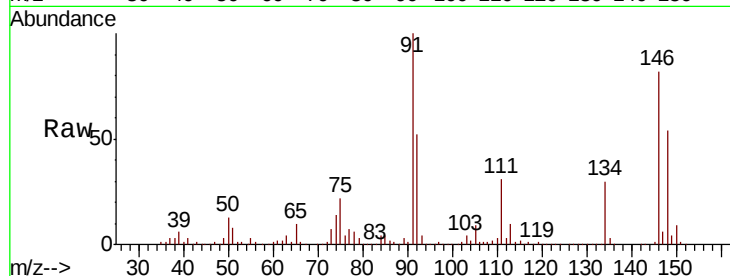




#91
 1,2-Dichlorobenzene
 Concen: 49.389 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

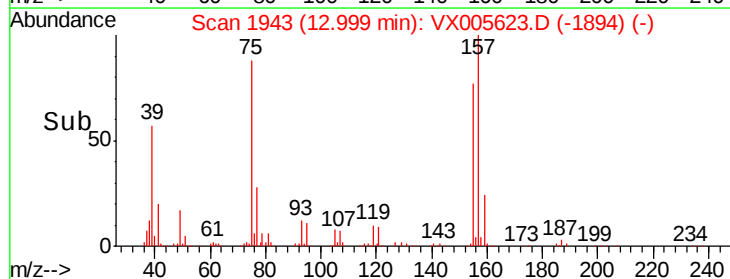
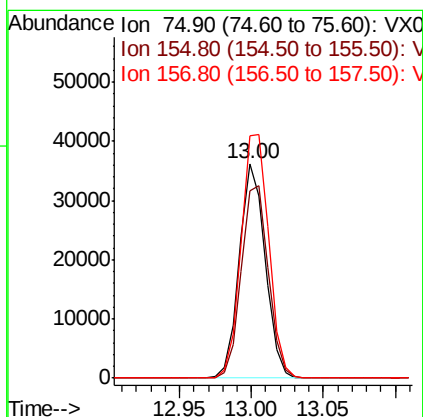
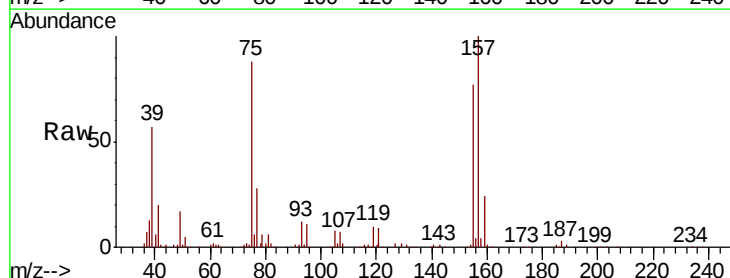
Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

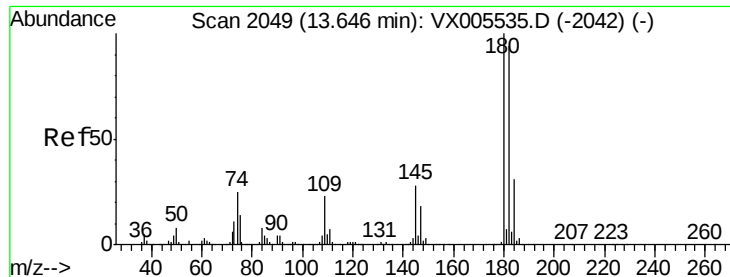
Tot Ion:146 Resp: 270078
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 59.9
 148 63.9 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.229 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion: 75 Resp: 45291
 Ion Ratio Lower Upper
 75 100
 155 93.6 45.4 136.1
 157 120.9 57.4 172.0

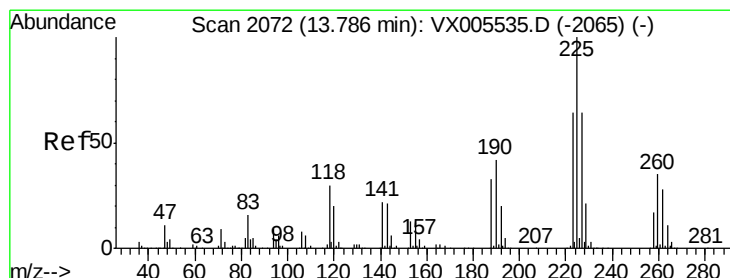
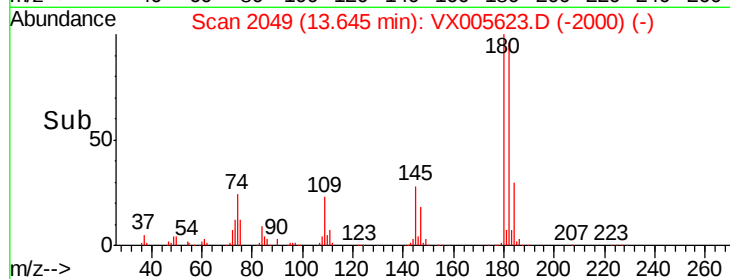
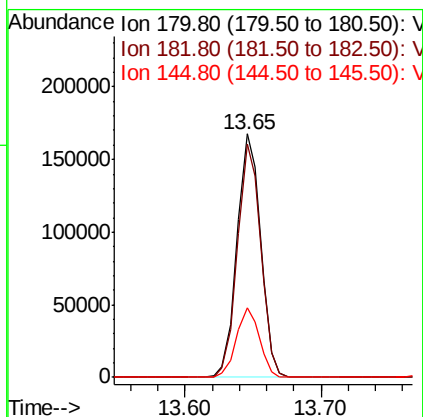
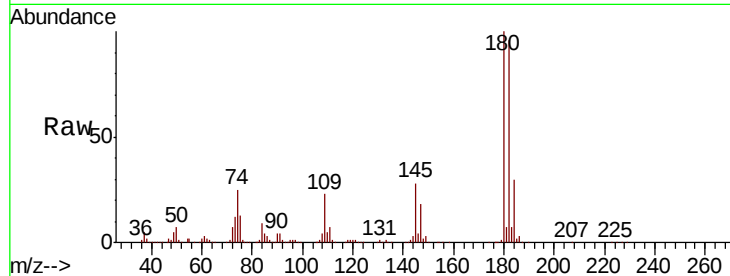




#93
 1,2,4-Trichlorobenzene
 Concen: 50.981 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

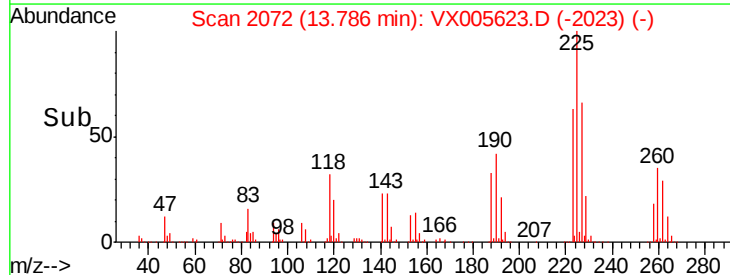
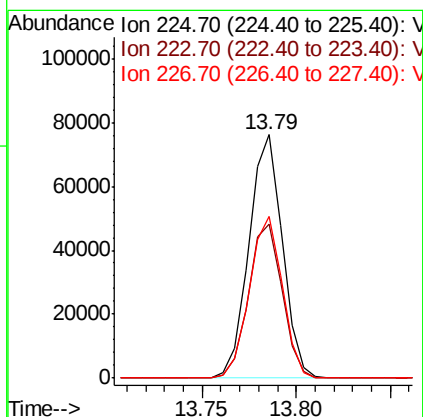
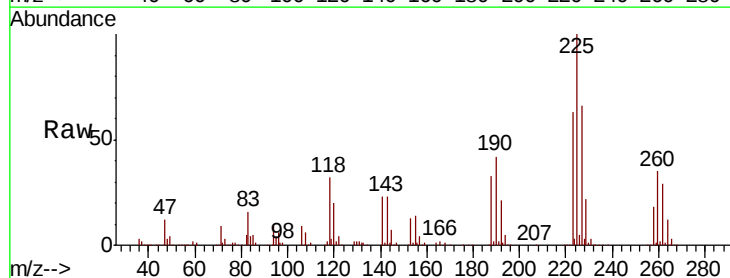
Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MSD

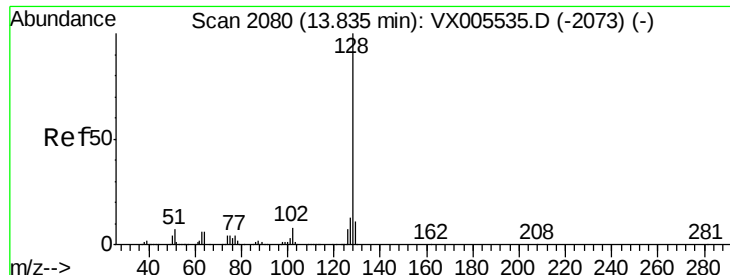
Tot Ion:180 Resp: 202091
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.6 142.8
 145 28.0 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 45.507 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005623.D
 Acq: 26 Oct 2018 23:21

Tgt Ion:225 Resp: 93482
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.7 95.1
 227 65.6 32.3 96.9

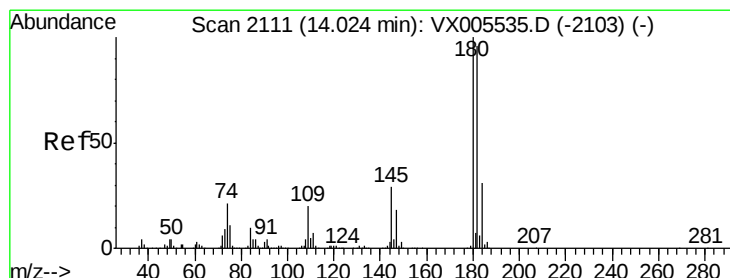
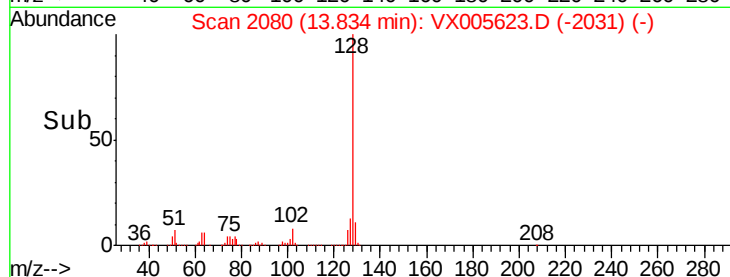
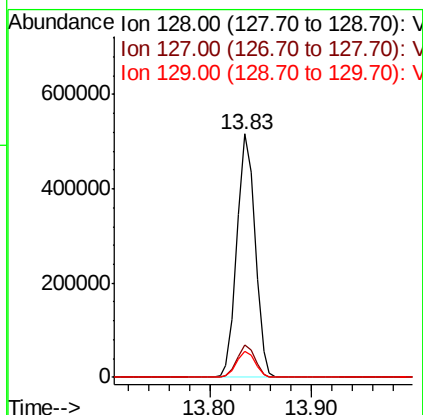
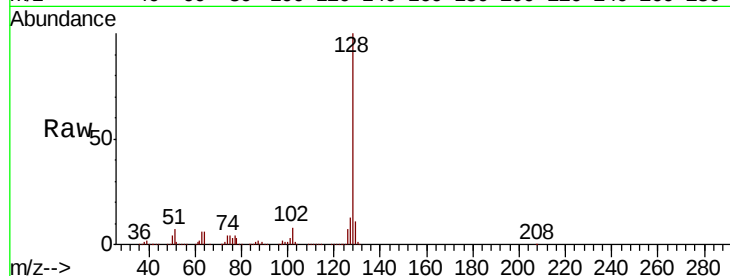




#95
Naphthalene
Concen: 54.816 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MSD

Tot Ion:128 Resp: 631618
Ion Ratio Lower Upper
128 100
127 13.1 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 50.964 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005623.D
Acq: 26 Oct 2018 23:21

Tgt Ion:180 Resp: 204789
Ion Ratio Lower Upper
180 100
182 96.6 48.0 144.2
145 30.1 15.1 45.3

