

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005622.D
 Acq On : 26 Oct 2018 22:55
 Operator : JC/MD
 Sample : J5696-06MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Quant Time: Oct 27 04:51:39 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	5.66	168	237099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	332709	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	306852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	172097	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	139145	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	5.50	113	108421	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	8.71	98	400262	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
62) 4-Bromofluorobenzene	11.14	95	150973	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	146480	62.591	ug/l	100
3) Chloromethane	1.32	50	143811	48.253	ug/l	100
4) Vinyl Chloride	1.41	62	146294	49.921	ug/l	99
5) Bromomethane	1.64	94	86750	47.573	ug/l	100
6) Chloroethane	1.71	64	86016	45.946	ug/l	100
7) Trichlorofluoromethane	1.92	101	204349	50.184	ug/l	98
8) Diethyl Ether	2.18	74	81148	49.936	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	106941	45.773	ug/l	98
10) Methyl Iodide	2.51	142	125911	51.515	ug/l	97
11) Tert butyl alcohol	3.07	59	175134	224.867	ug/l	100
12) 1,1-Dichloroethene	2.37	96	103230	46.382	ug/l	94
13) Acrolein	2.29	56	82384	207.365	ug/l	99
14) Allyl chloride	2.73	41	227820	45.865	ug/l	98
15) Acrylonitrile	3.15	53	402517	230.479	ug/l	100
16) Acetone	2.45	43	355522	232.464	ug/l	97
17) Carbon Disulfide	2.57	76	315079	46.441	ug/l	95
18) Methyl Acetate	2.78	43	178507	47.165	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	376586	47.434	ug/l	98
20) Methylene Chloride	2.86	84	123330	48.149	ug/l #	79
21) trans-1,2-Dichloroethene	3.17	96	114745	47.219	ug/l	97
22) Diisopropyl ether	3.87	45	411475	47.437	ug/l #	95
23) Vinyl Acetate	3.82	43	1682264	220.209	ug/l	98
24) 1,1-Dichloroethane	3.70	63	224173	47.535	ug/l	98
25) 2-Butanone	4.70	43	543260	233.268	ug/l	100
26) 2,2-Dichloropropane	4.59	77	138443	38.024	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	121024	46.196	ug/l	99
28) Bromochloromethane	5.01	49	105158	46.103	ug/l	95
29) Tetrahydrofuran	5.15	42	371512	245.125	ug/l	99
30) Chloroform	5.22	83	221447	50.199	ug/l	99
31) Cyclohexane	5.58	56	195339	50.062	ug/l #	89
32) 1,1,1-Trichloroethane	5.49	97	180154	46.271	ug/l	100
36) 1,1-Dichloropropene	5.80	75	154470	47.841	ug/l	98
37) Ethyl Acetate	4.85	43	184231	44.714	ug/l	98
38) Carbon Tetrachloride	5.79	117	161945	47.621	ug/l	90

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Quant Time: Oct 27 04:51:39 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	171688	48.155	ug/l	99
40) Benzene	6.14	78	461116	49.820	ug/l	99
41) Methacrylonitrile	5.06	41	110495	48.144	ug/l	97
42) 1,2-Dichloroethane	6.20	62	163507	46.502	ug/l	99
43) Isopropyl Acetate	6.46	43	293786	47.583	ug/l	98
44) Trichloroethene	7.21	130	121612	48.230	ug/l	98
45) 1,2-Dichloropropane	7.52	63	120217	48.311	ug/l	99
46) Dibromomethane	7.66	93	76833	47.806	ug/l	99
47) Bromodichloromethane	7.90	83	150897	48.375	ug/l	97
48) Methyl methacrylate	7.77	41	154486	51.361	ug/l	99
49) 1,4-Dioxane	7.76	88	57477	874.424	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1021231	246.113	ug/l	99
52) Toluene	8.79	92	277132	49.267	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	165814	49.185	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	176420	48.606	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	113904	48.028	ug/l	98
56) Ethyl methacrylate	9.18	69	184018	52.020	ug/l	99
57) 1,3-Dichloropropane	9.37	76	192943	48.082	ug/l	99
59) 2-Hexanone	9.49	43	811303	247.981	ug/l	99
60) Dibromochloromethane	9.59	129	122219	49.394	ug/l	100
61) 1,2-Dibromoethane	9.67	107	119106	48.545	ug/l	100
64) Tetrachloroethene	9.34	164	115164	45.210	ug/l	98
65) Chlorobenzene	10.14	112	313344	47.954	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	115988	48.682	ug/l	100
67) Ethyl Benzene	10.26	91	540705	50.295	ug/l	99
68) m/p-Xylenes	10.36	106	415997	99.737	ug/l	100
69) o-Xylene	10.70	106	200816	51.175	ug/l	99
70) Styrene	10.71	104	336404	51.210	ug/l	100
71) Bromoform	10.86	173	102938	48.417	ug/l	99
73) Isopropylbenzene	11.02	105	548750	52.163	ug/l	99
74) N-amyl acetate	10.90	43	253674	48.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	190431	49.066	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	215864	59.200	ug/l	87
77) Bromobenzene	11.26	156	146992	50.137	ug/l	98
78) n-propylbenzene	11.36	91	624223	51.892	ug/l	100
79) 2-Chlorotoluene	11.42	91	373906	50.132	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	467529	51.951	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	52996	47.490	ug/l	97
82) 4-Chlorotoluene	11.51	91	442360	50.298	ug/l	99
83) tert-Butylbenzene	11.77	119	469983	52.392	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	485223	53.200	ug/l	100
85) sec-Butylbenzene	11.94	105	556270	51.968	ug/l	100
86) p-Isopropyltoluene	12.07	119	501515	52.411	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	270610	49.084	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	274159	47.640	ug/l	100
89) n-Butylbenzene	12.39	91	438062	50.710	ug/l	100
90) Hexachloroethane	12.60	117	84345	51.107	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	273118	48.964	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46153	49.181	ug/l	96
93) 1,2,4-Trichlorobenzene	13.65	180	203673	50.372	ug/l	100

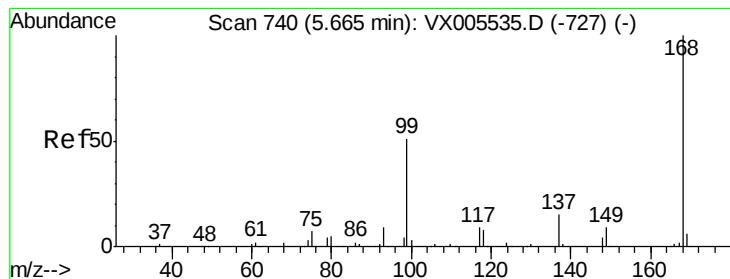
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	97240	46.407	ug/l	99
95) Naphthalene	13.83	128	642080	54.630	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	209684	51.158	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

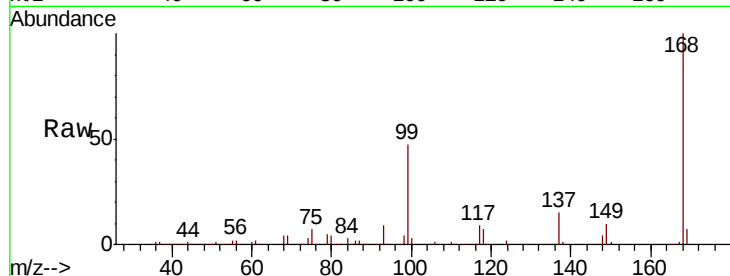
DL-SW-01MS

Tot Ion:168 Resp: 237099

Ion Ratio Lower Upper

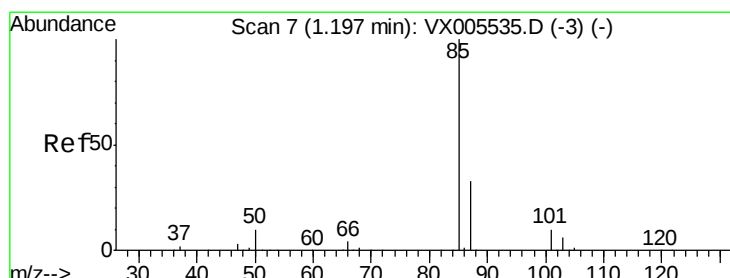
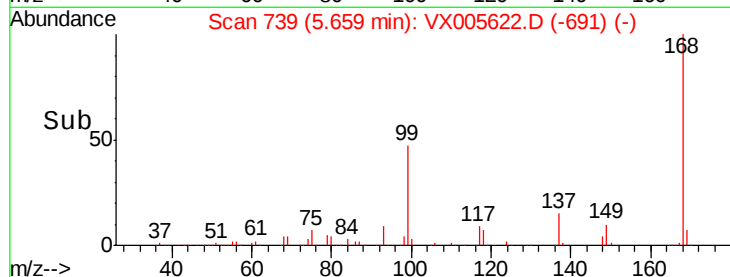
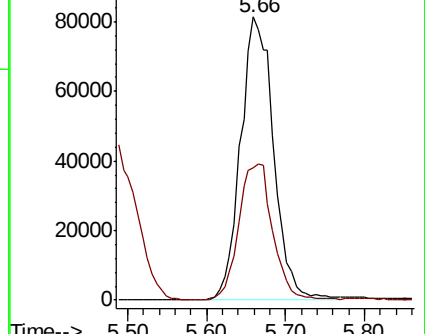
168 100

99 46.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 62.591 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005622.D

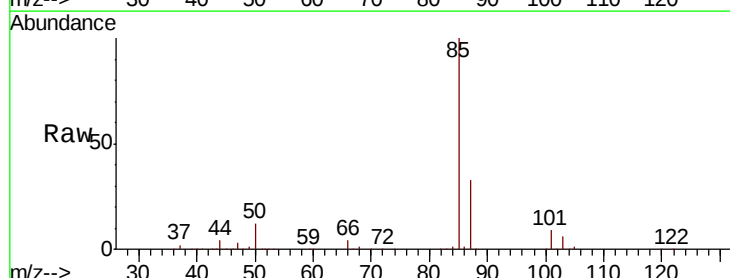
Acq: 26 Oct 2018 22:55

Tgt Ion: 85 Resp: 146480

Ion Ratio Lower Upper

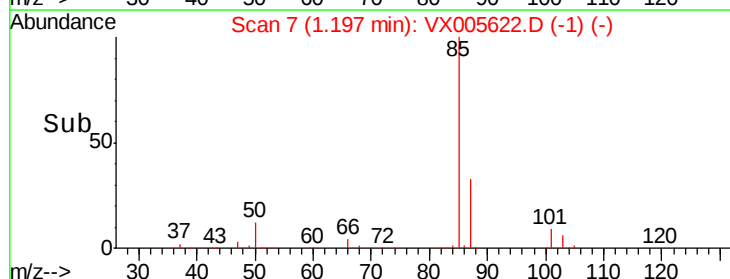
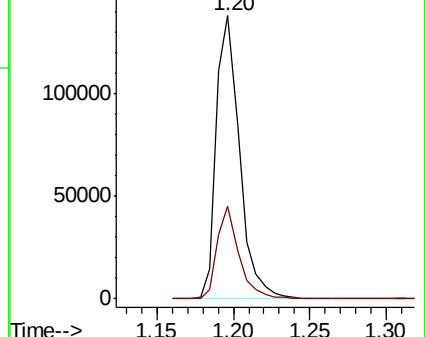
85 100

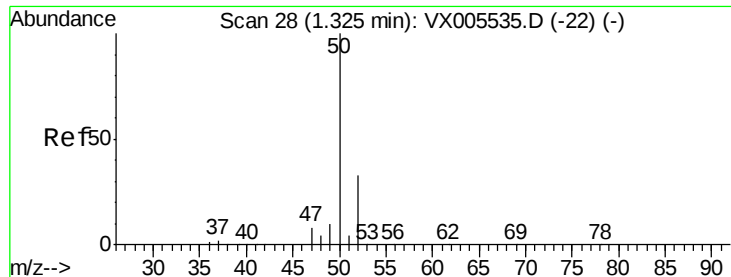
87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 48.253 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

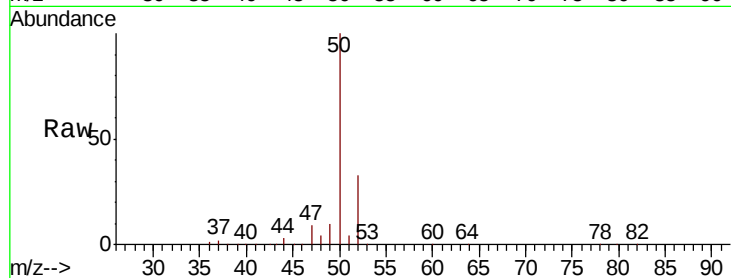
DL-SW-01MS

Tot Ion: 50 Resp: 143811

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

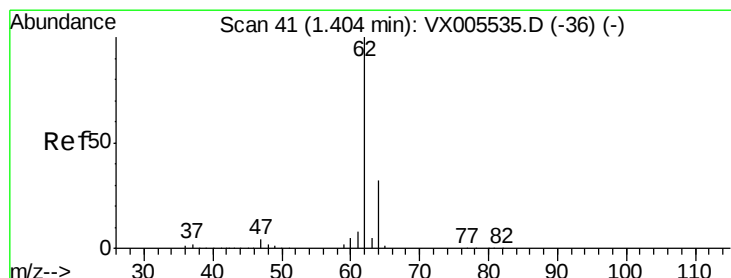
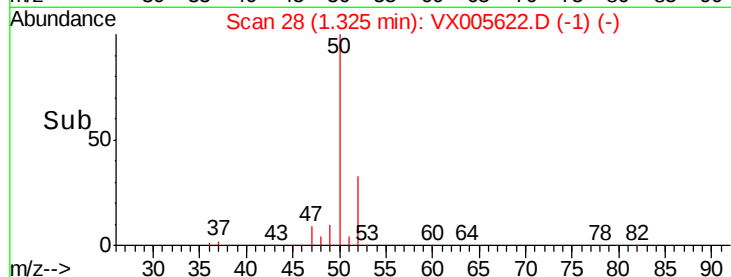
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.921 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX005622.D

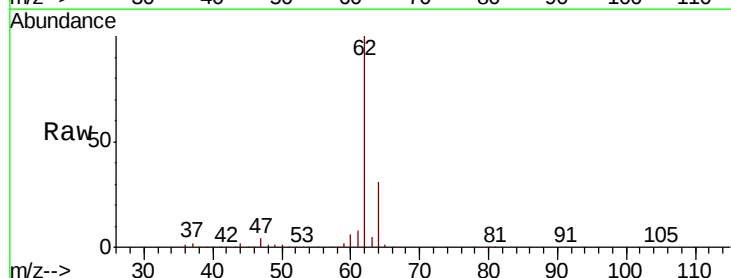
Acq: 26 Oct 2018 22:55

Tgt Ion: 62 Resp: 146294

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

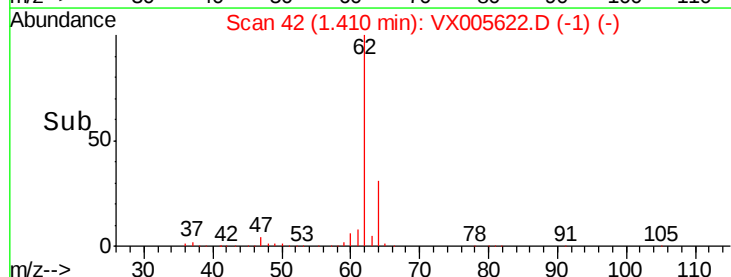
150000

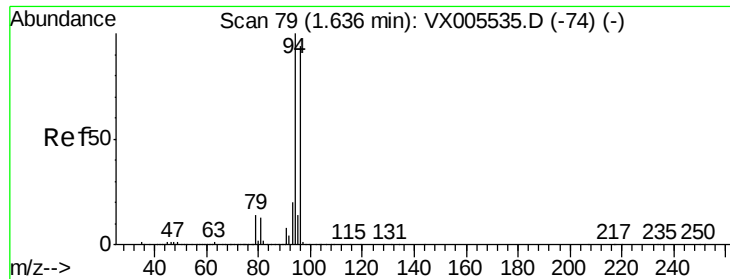
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.573 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

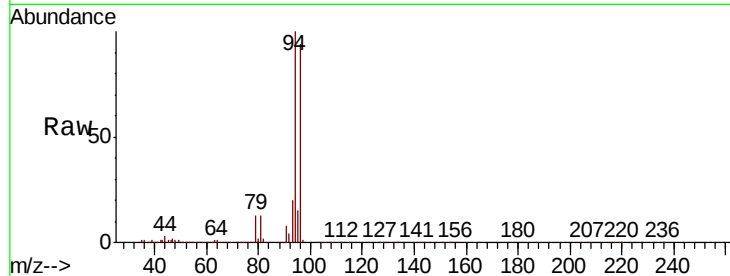
DL-SW-01MS

Tot Ion: 94 Resp: 86750

Ion Ratio Lower Upper

94 100

96 94.3 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

100000

80000

60000

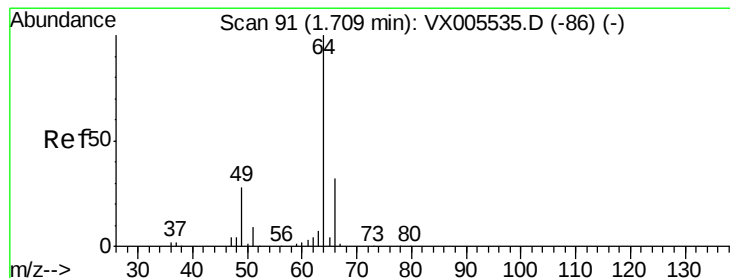
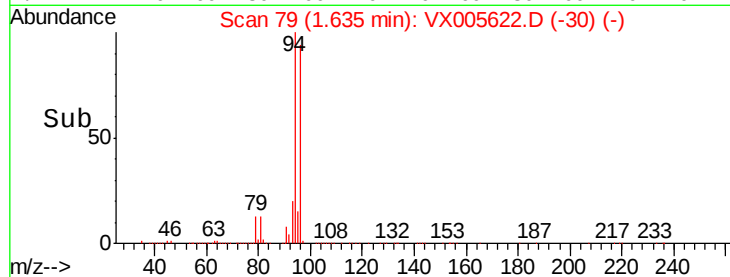
40000

20000

0

Time-->

1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 45.946 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005622.D

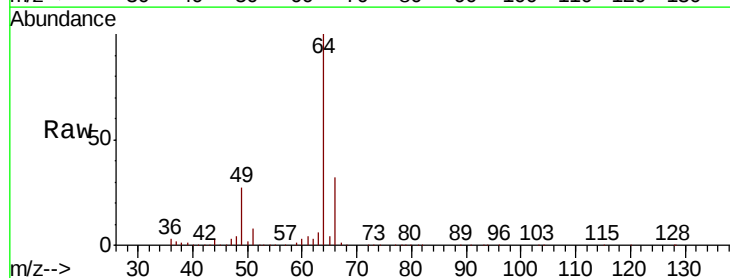
Acq: 26 Oct 2018 22:55

Tgt Ion: 64 Resp: 86016

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

60000

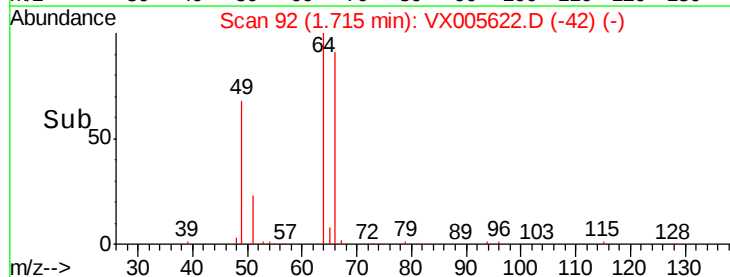
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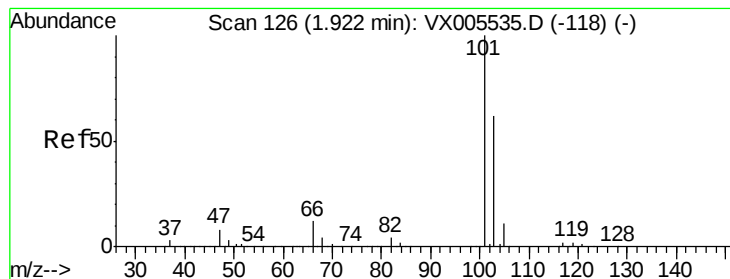
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0

Time-->

1.65 1.70 1.75 1.80



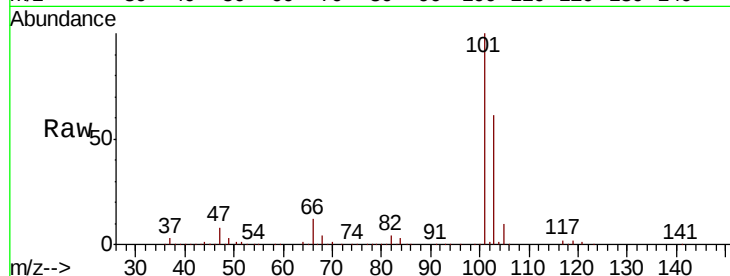


#7

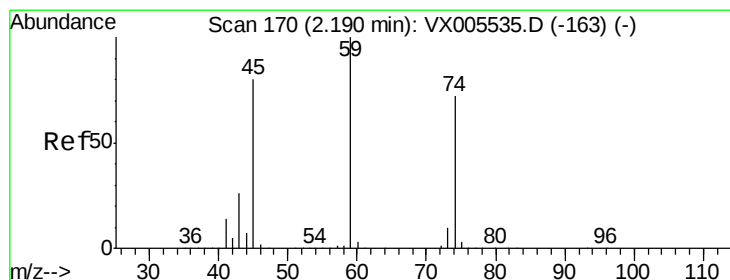
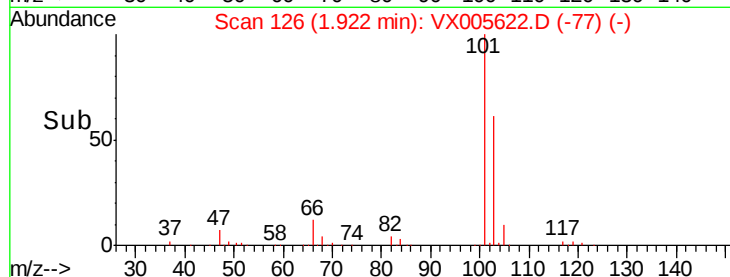
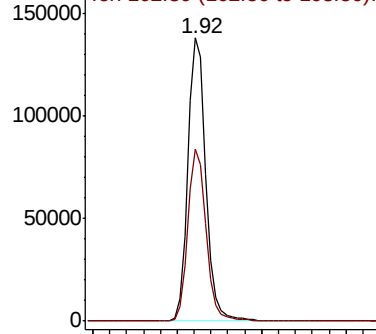
Trichlorofluoromethane
 Concen: 50.184 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion:101 Resp: 204349
 Ion Ratio Lower Upper
 101 100
 103 60.9 50.0 75.0



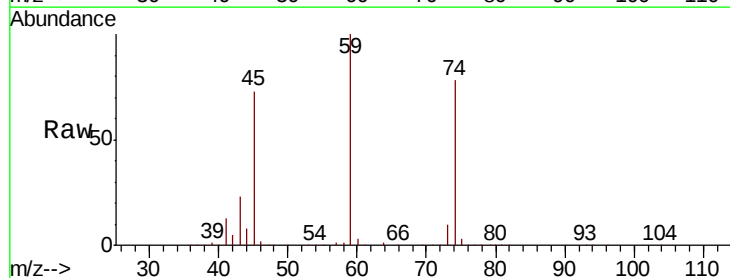
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



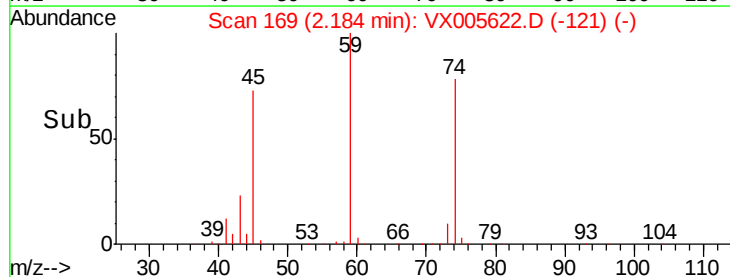
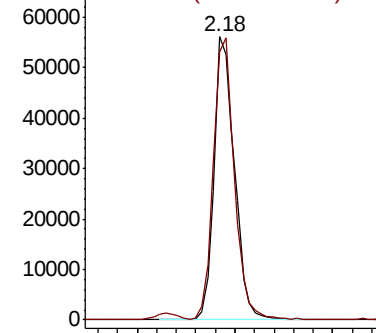
#8

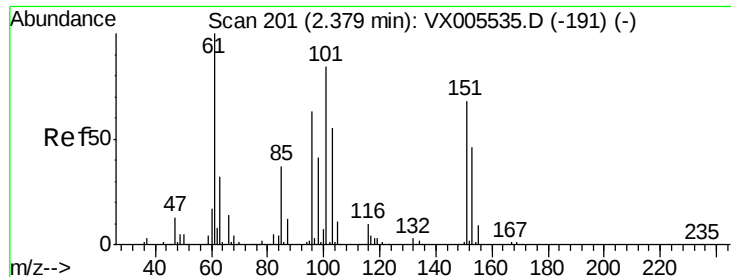
Diethyl Ether
 Concen: 49.936 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.01 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion: 74 Resp: 81148
 Ion Ratio Lower Upper
 74 100
 45 102.0 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.773 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

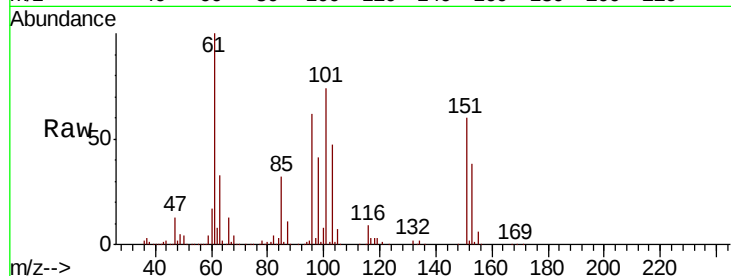
Tot Ion:101 Resp: 106941

Ion Ratio Lower Upper

101 100

85 44.0 35.0 52.4

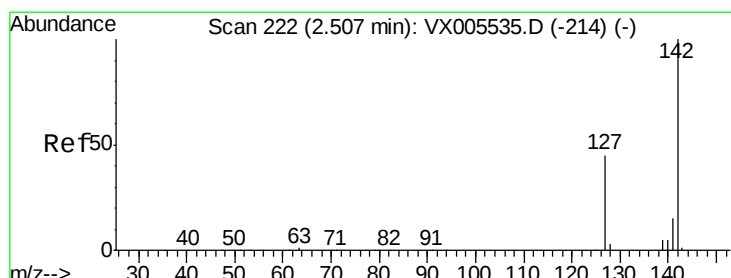
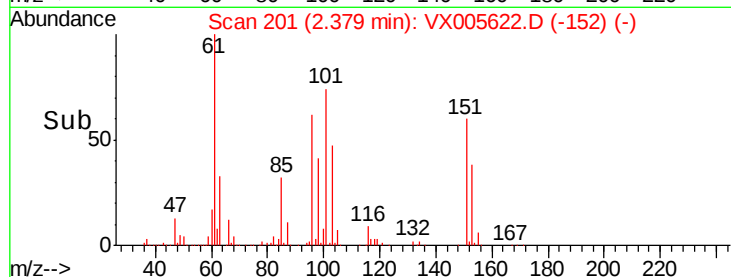
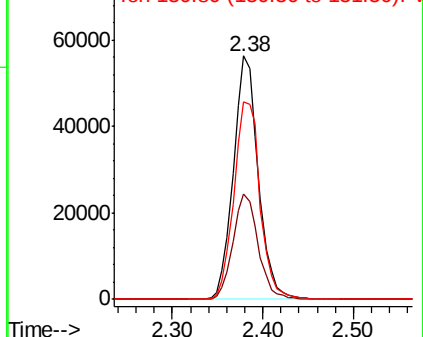
151 85.6 66.2 99.2



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: 51.515 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

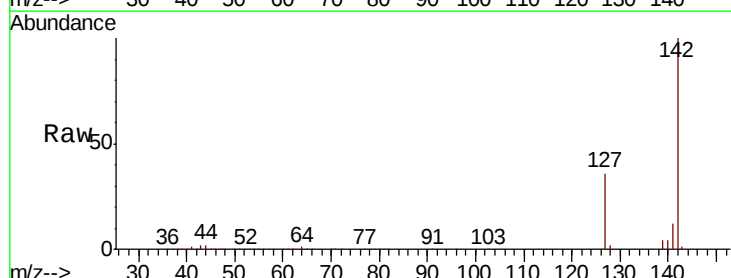
Tgt Ion:142 Resp: 125911

Ion Ratio Lower Upper

142 100

127 42.3 36.0 54.0

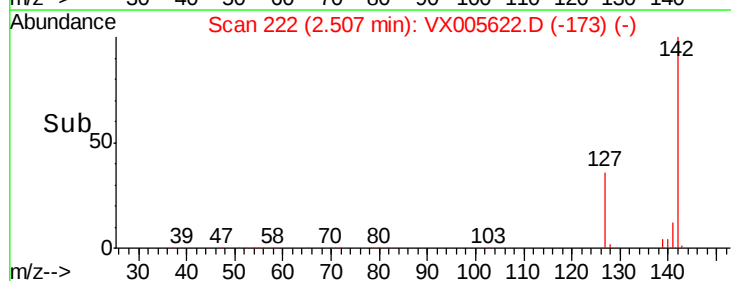
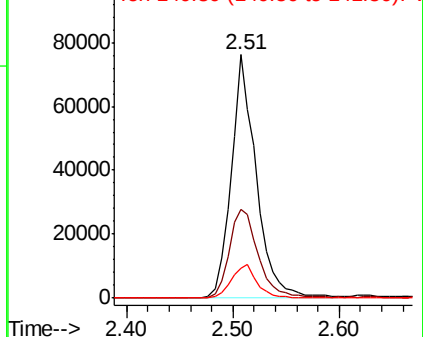
141 14.4 11.7 17.5

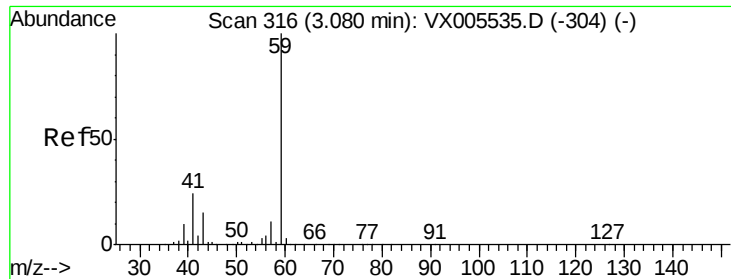


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

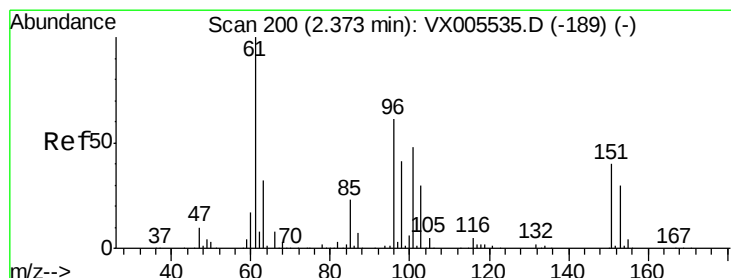
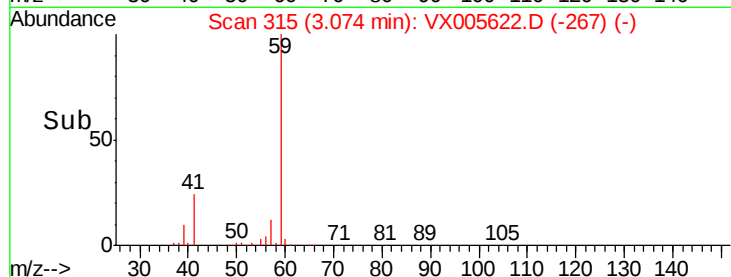
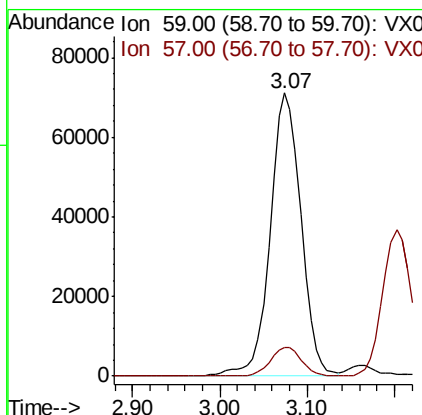
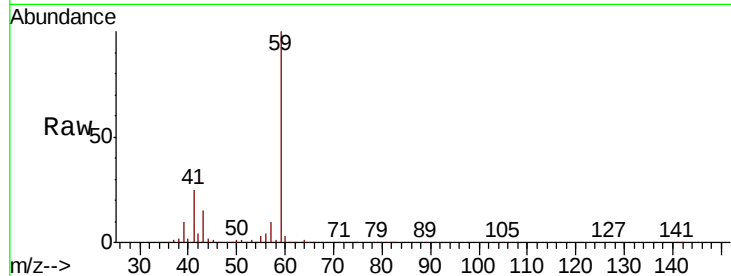




#11
Tert butyl alcohol
Concen: 224.867 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

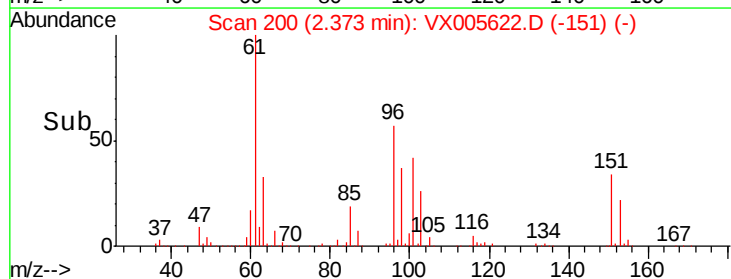
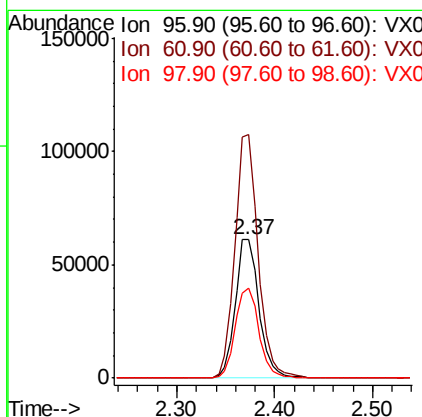
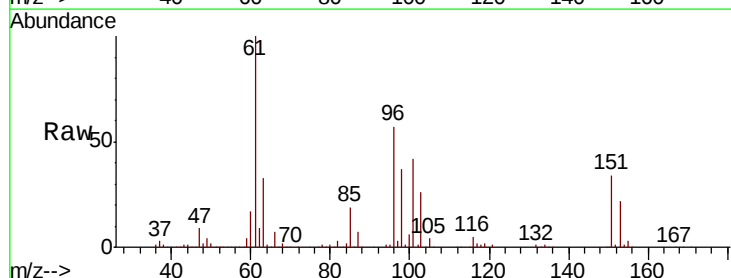
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

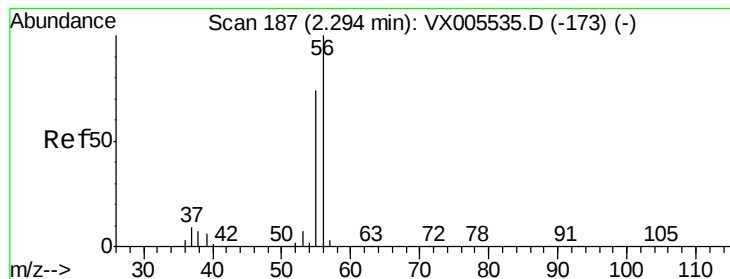
Tot Ion: 59 Resp: 175134
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7



#12
1,1-Dichloroethene
Concen: 46.382 ug/l
RT: 2.37 min Scan# 200
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 96 Resp: 103230
Ion Ratio Lower Upper
96 100
61 175.8 131.8 197.8
98 65.2 53.4 80.2





#13

Acrolein

Concen: 207.365 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

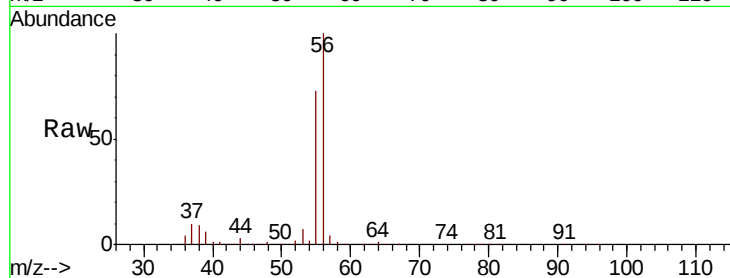
DL-SW-01MS

Tot Ion: 56 Resp: 82384

Ion Ratio Lower Upper

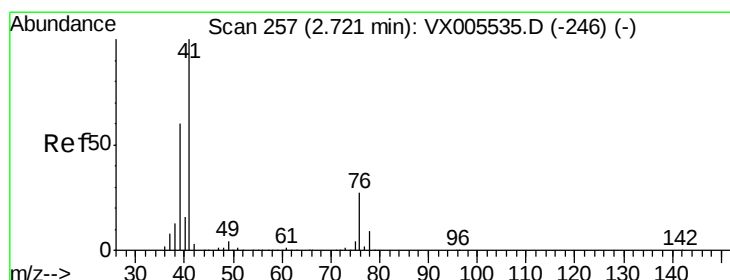
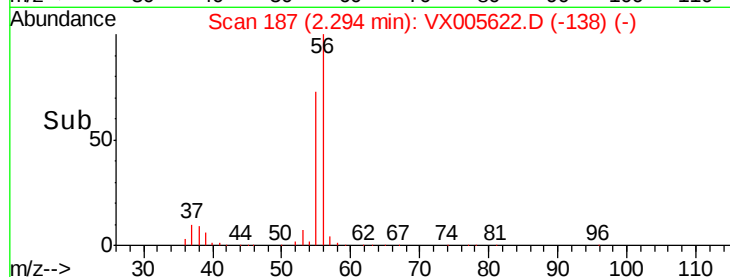
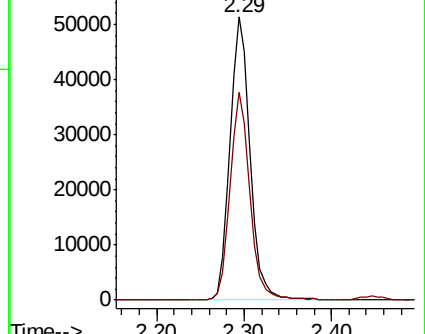
56 100

55 72.0 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.865 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

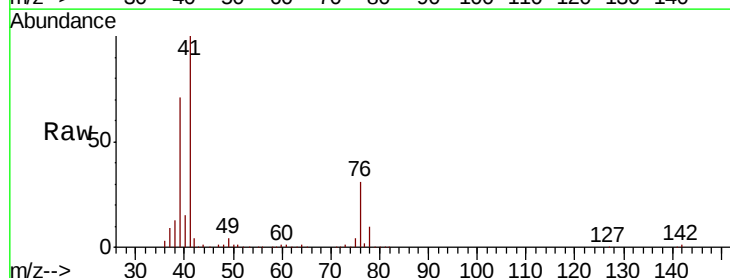
Tgt Ion: 41 Resp: 227820

Ion Ratio Lower Upper

41 100

39 61.1 48.2 72.4

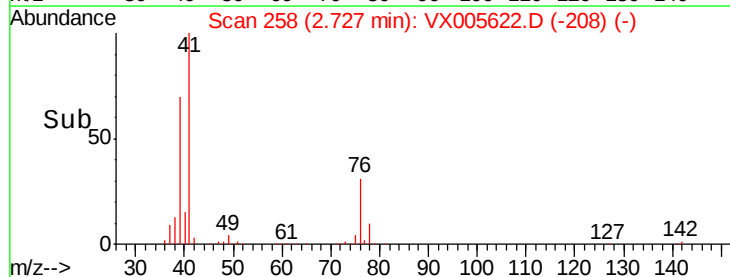
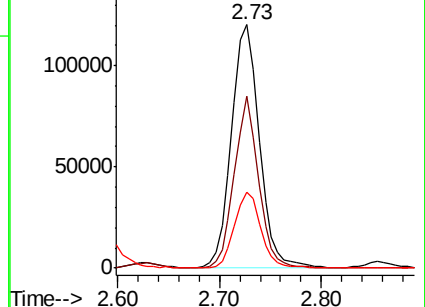
76 29.2 21.9 32.9

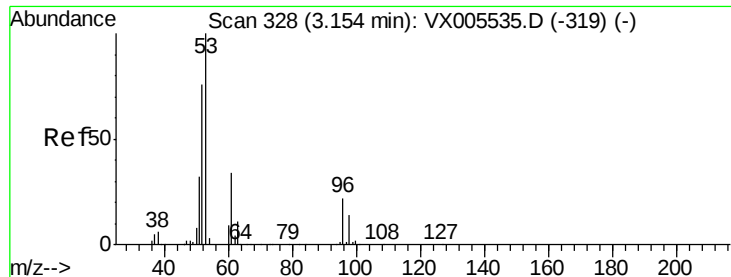


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 230.479 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

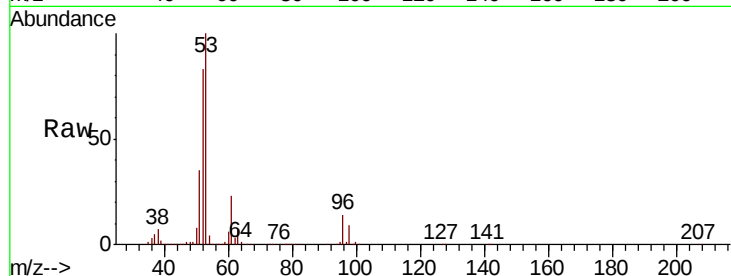
Tot Ion: 53 Resp: 402517

Ion Ratio Lower Upper

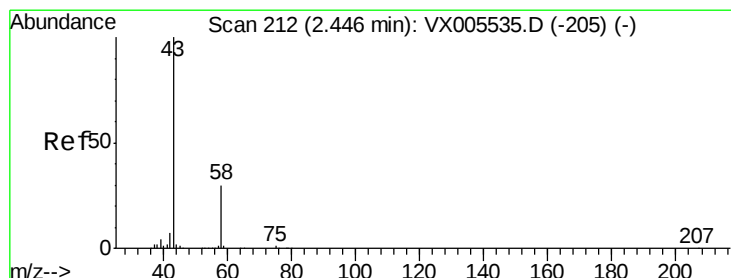
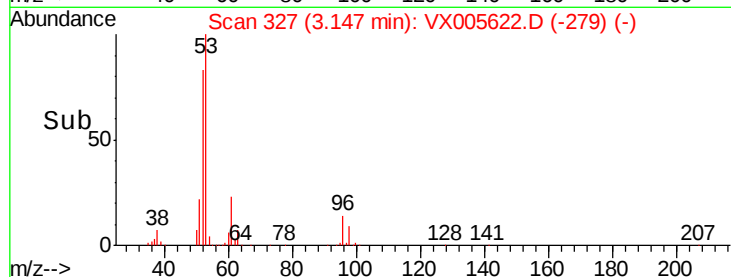
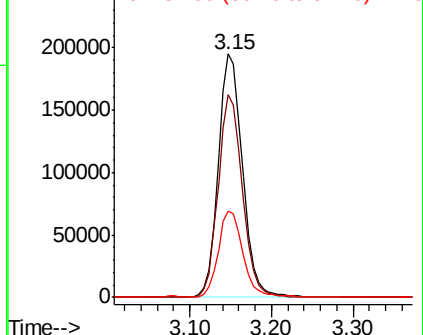
53 100

52 83.1 66.6 99.8

51 36.1 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: 232.464 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005622.D

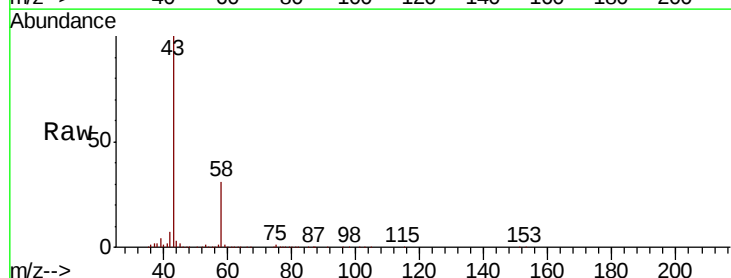
Acq: 26 Oct 2018 22:55

Tgt Ion: 43 Resp: 355522

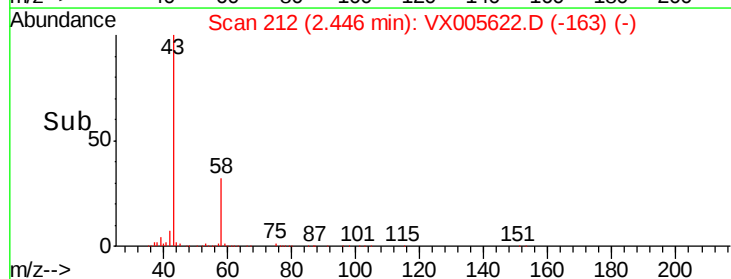
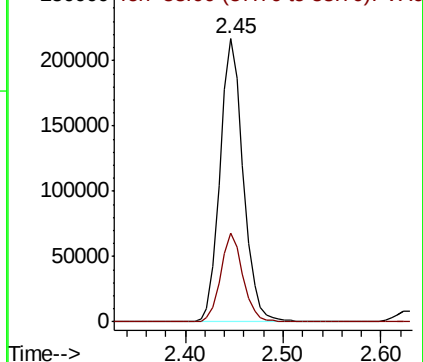
Ion Ratio Lower Upper

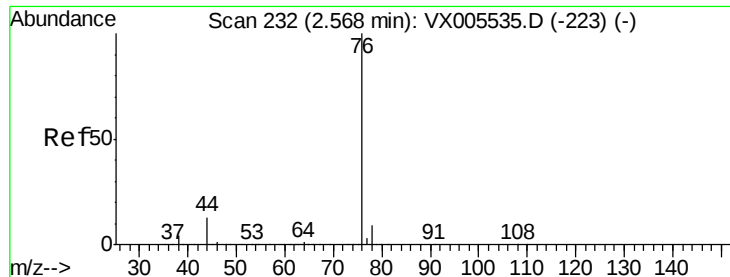
43 100

58 31.5 23.8 35.6



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

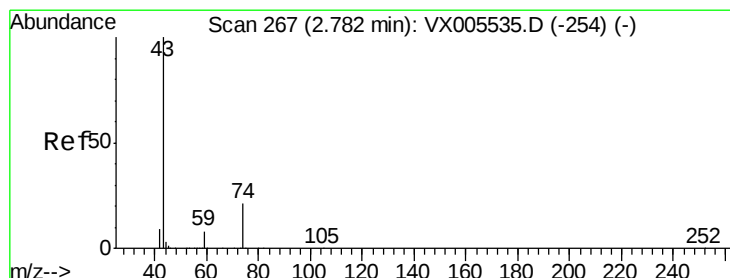
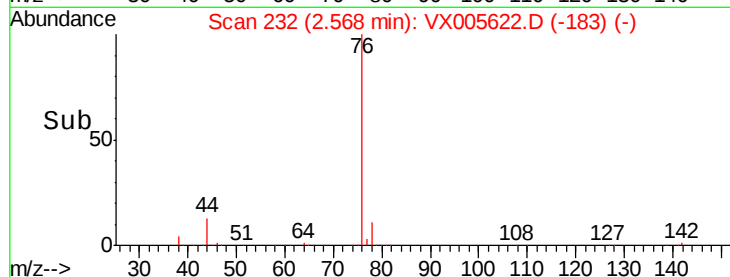
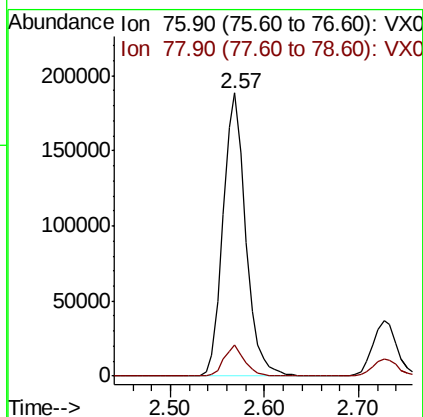
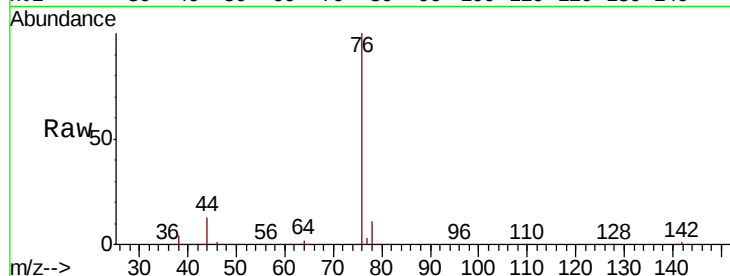




#17
Carbon Disulfide
Concen: 46.441 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

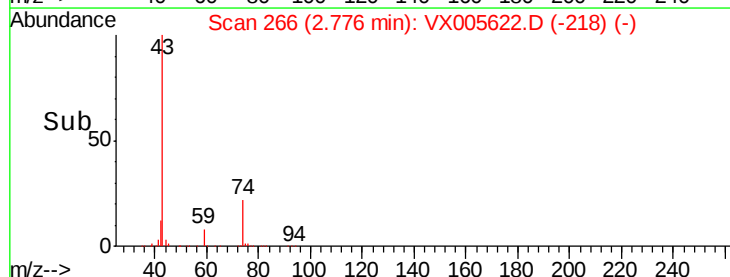
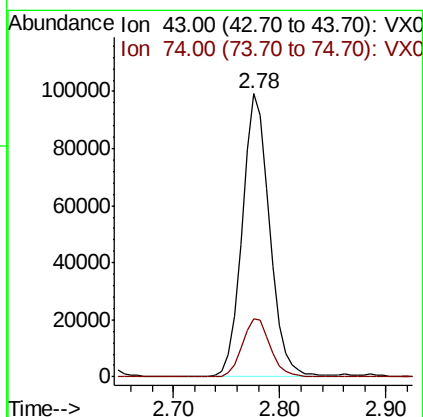
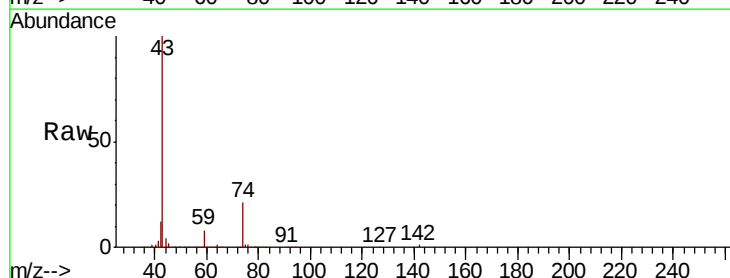
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

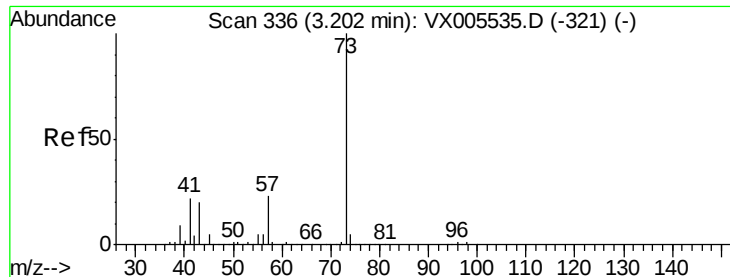
Tot Ion: 76 Resp: 315079
Ion Ratio Lower Upper
76 100
78 10.8 7.3 10.9



#18
Methyl Acetate
Concen: 47.165 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 43 Resp: 178507
Ion Ratio Lower Upper
43 100
74 21.1 16.8 25.2



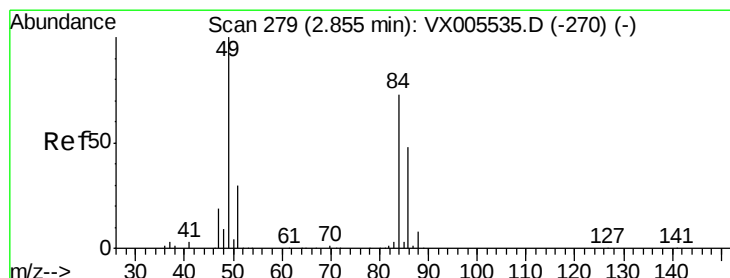
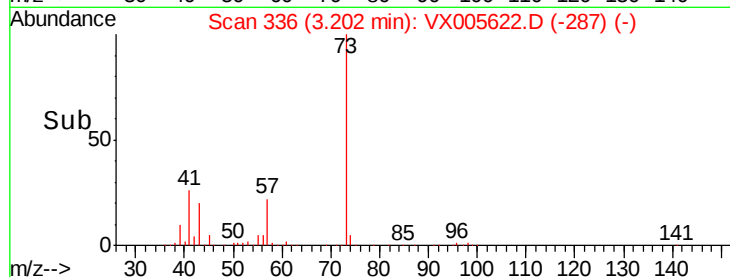
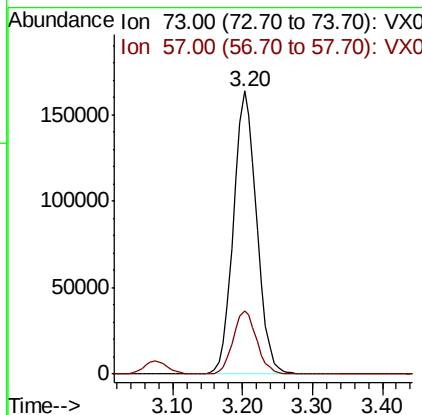
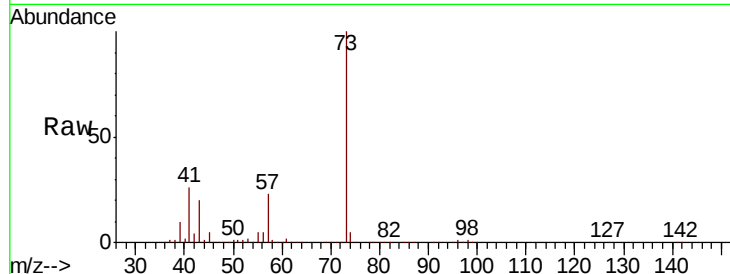


#19

Methyl tert-butyl Ether
 Concen: 47.434 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

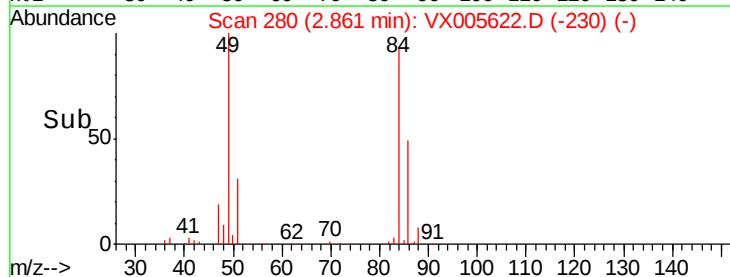
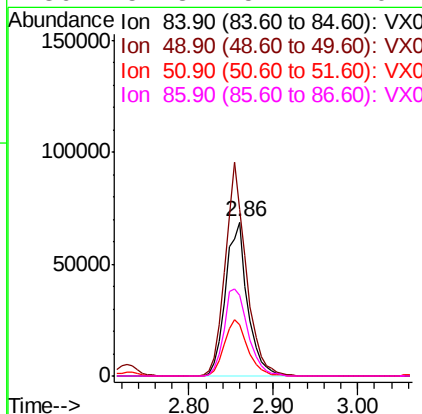
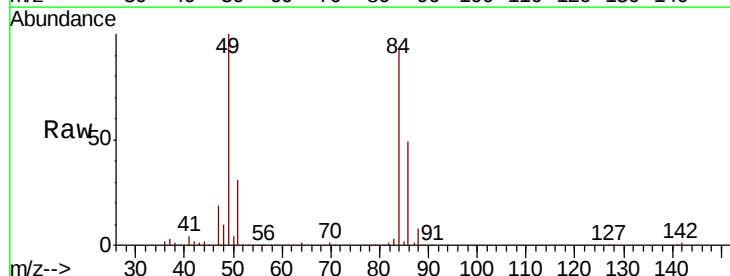
Tot Ion: 73 Resp: 376586
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.8 28.2

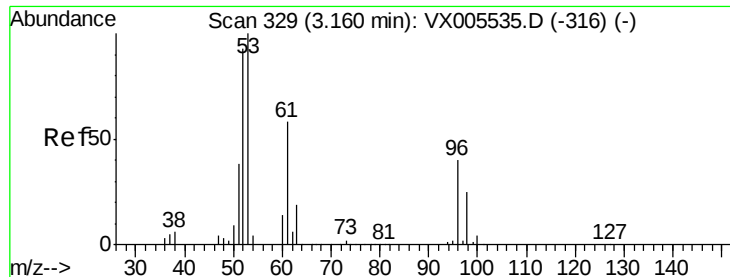


#20

Methylene Chloride
 Concen: 48.149 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion: 84 Resp: 123330
 Ion Ratio Lower Upper
 84 100
 49 107.6 109.5 164.3#
 51 33.1 33.3 49.9#
 86 52.3 52.7 79.1#





#21

trans-1,2-Dichloroethene

Concen: 47.219 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampled :

DL-SW-01MS

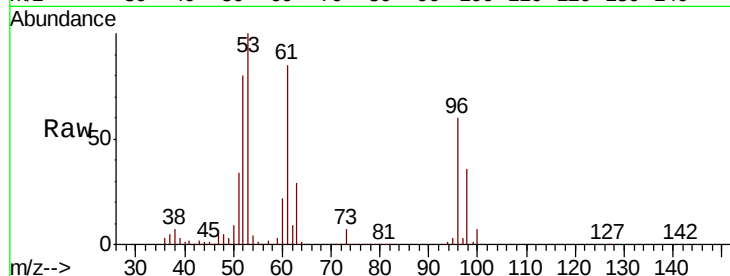
Tot Ion: 96 Resp: 114745

Ion Ratio Lower Upper

96 100

61 141.2 115.6 173.4

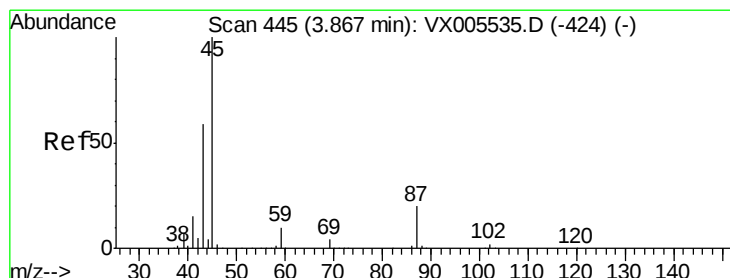
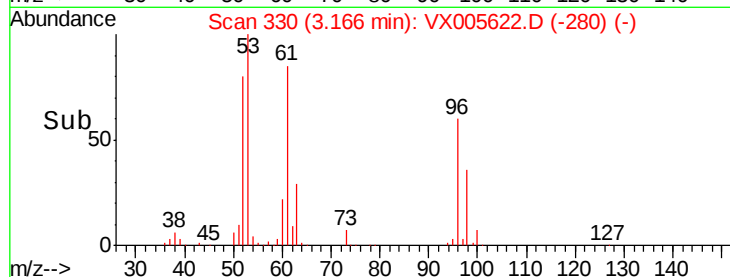
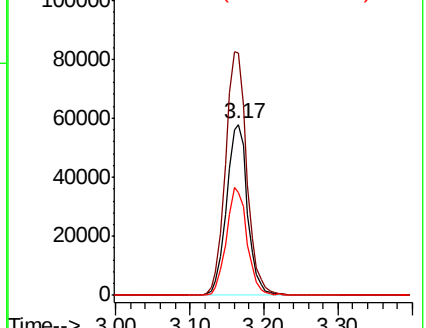
98 60.1 50.2 75.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.437 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Tgt Ion: 45 Resp: 411475

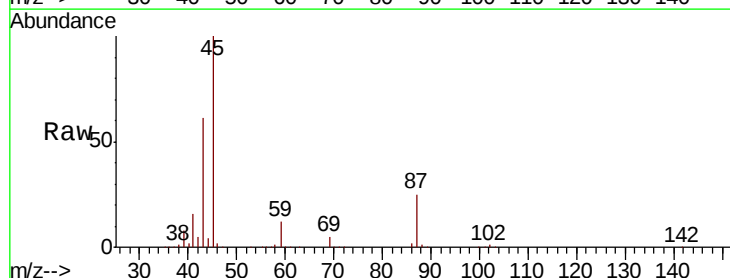
Ion Ratio Lower Upper

45 100

43 61.3 47.4 71.2

87 24.8 15.9 23.9#

59 12.4 7.7 11.5#

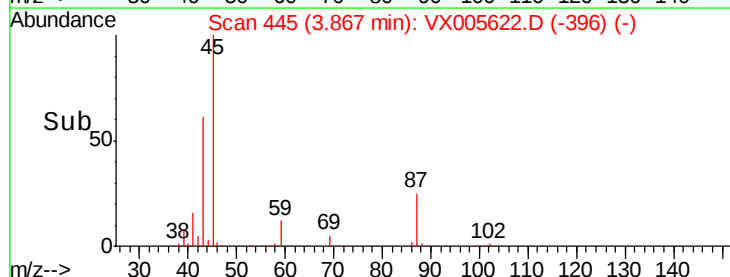
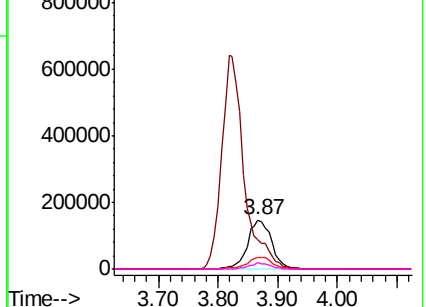


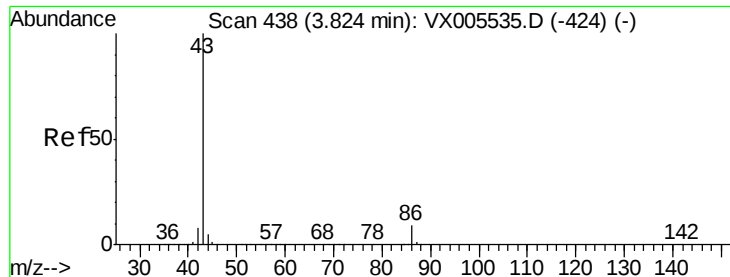
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 220.209 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

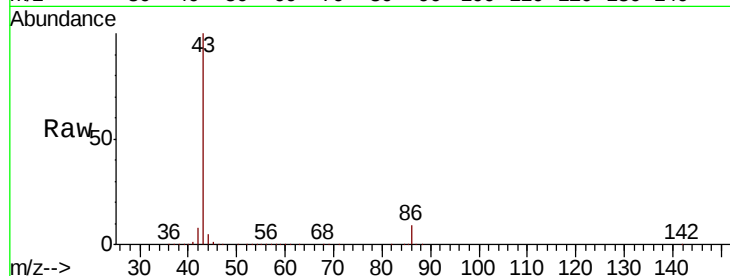
DL-SW-01MS

Tot Ion: 43 Resp: 1682264

Ion Ratio Lower Upper

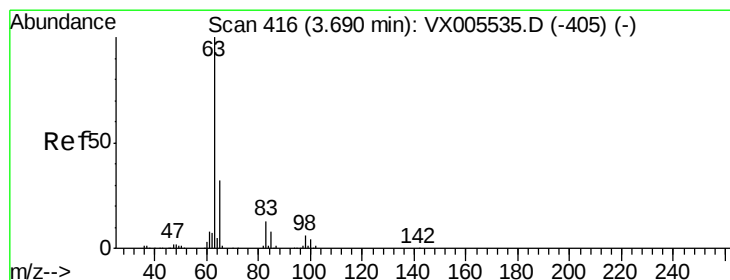
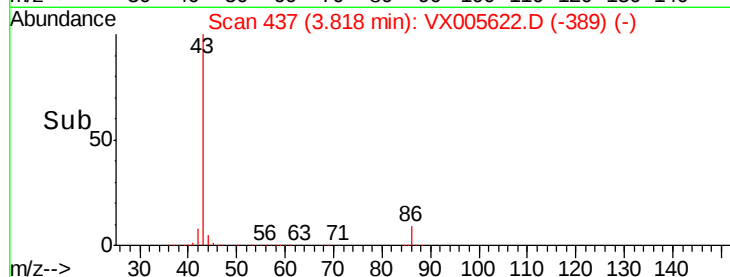
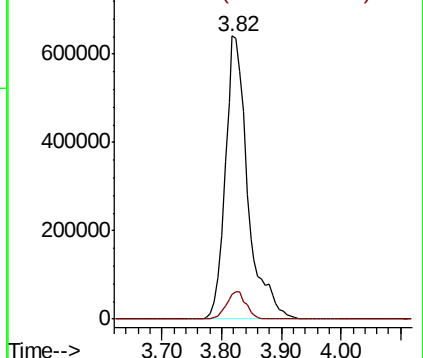
43 100

86 8.6 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: 47.535 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

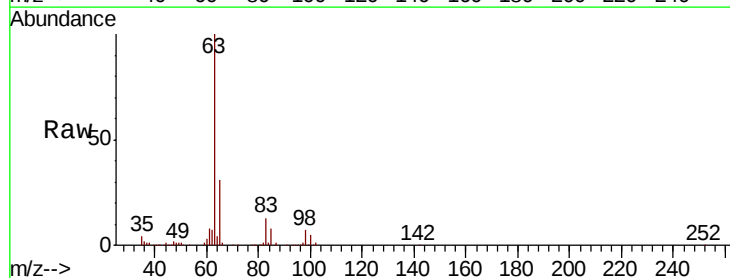
Tgt Ion: 63 Resp: 224173

Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

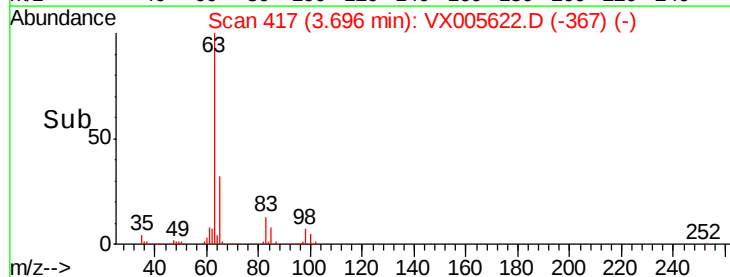
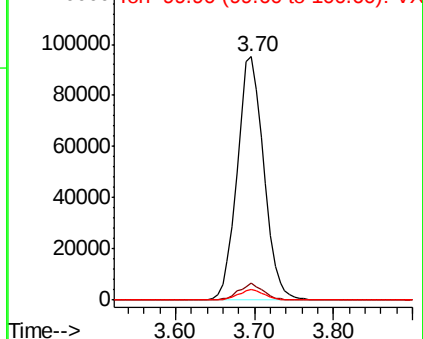
100 4.5 2.1 6.2

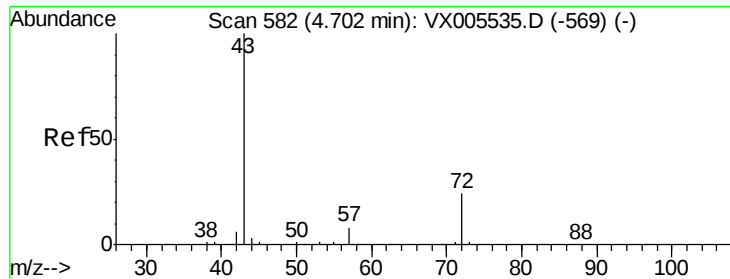


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 233.268 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

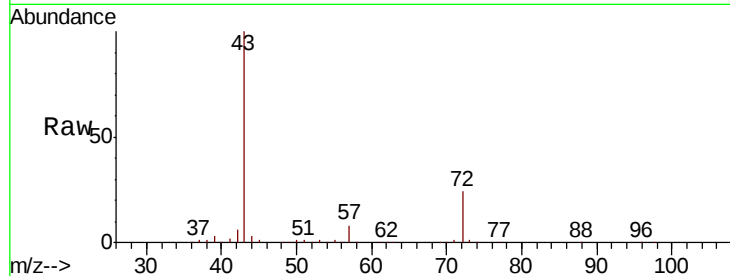
DL-SW-01MS

Tot Ion: 43 Resp: 543260

Ion Ratio Lower Upper

43 100

72 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

200000

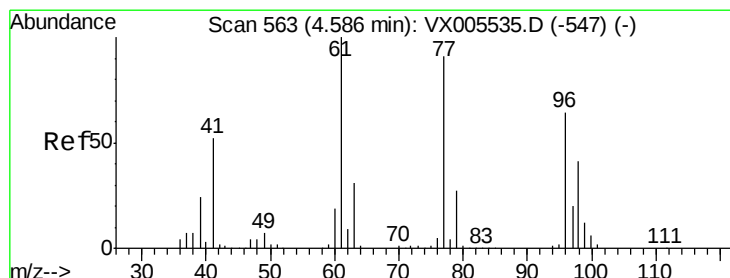
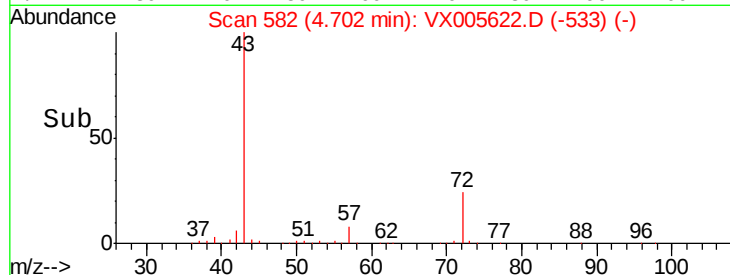
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 38.024 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX005622.D

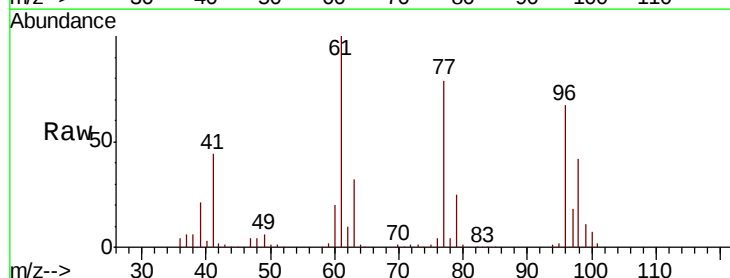
Acq: 26 Oct 2018 22:55

Tgt Ion: 77 Resp: 138443

Ion Ratio Lower Upper

77 100

97 23.6 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

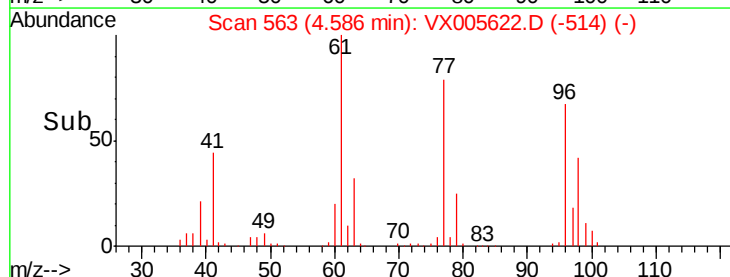
30000

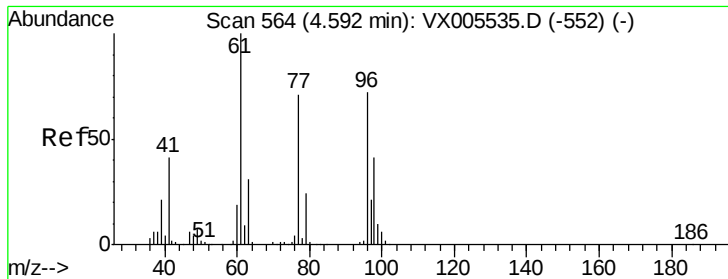
20000

10000

0

Time-->



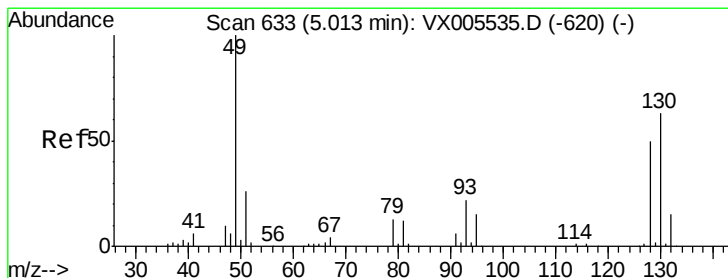
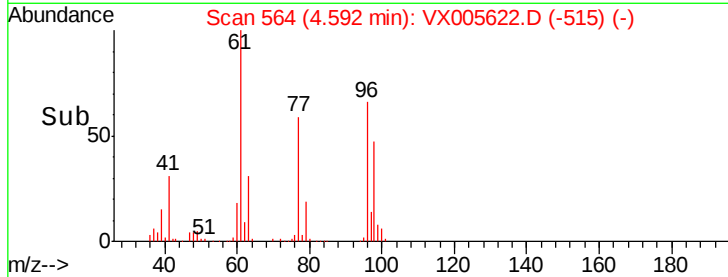
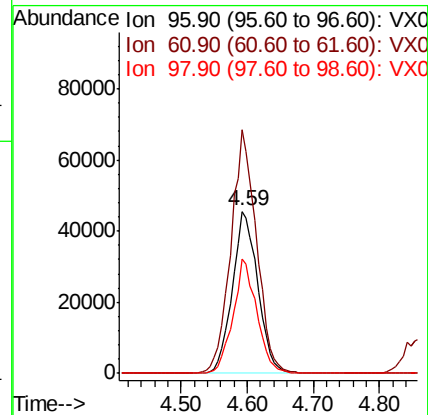
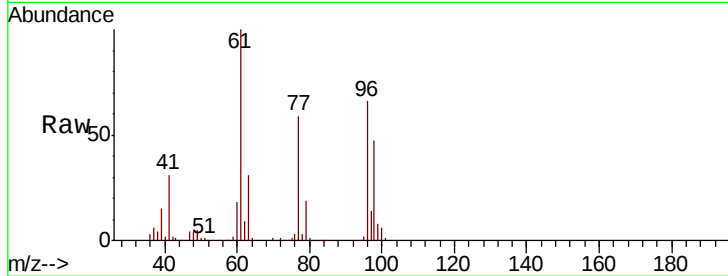


#27

cis-1,2-Dichloroethene
Concen: 46.196 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

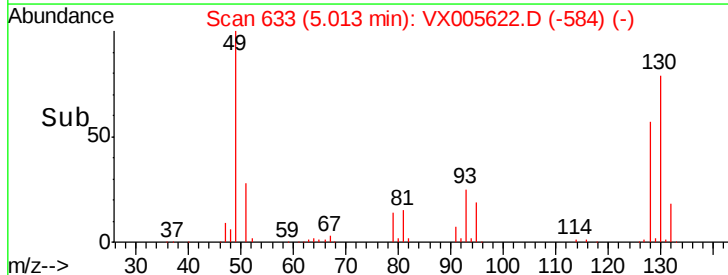
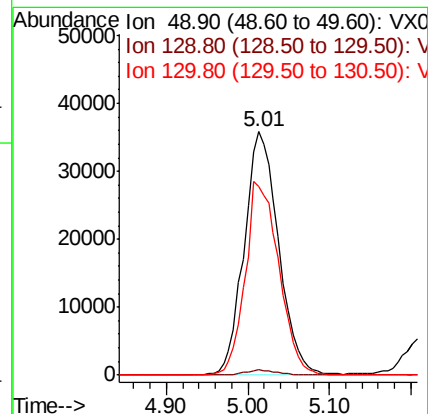
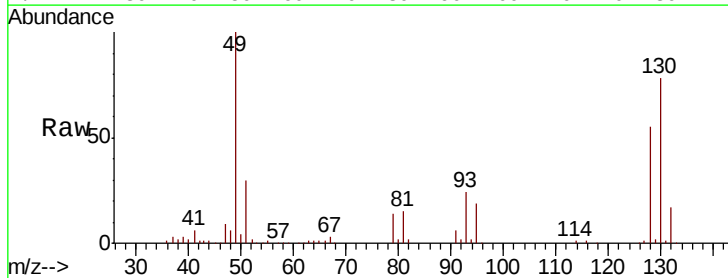
Tot Ion	Ratio	Lower	Upper
96	100		
61	151.8	0.0	304.6
98	66.1	0.0	127.4

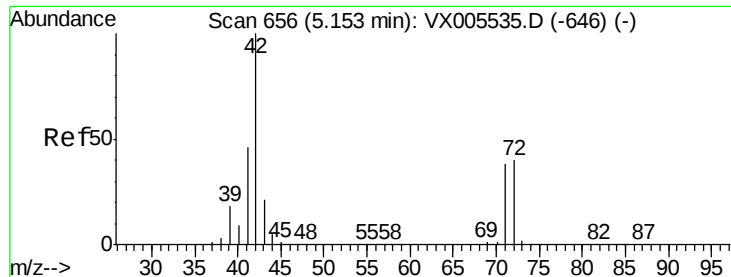


#28

Bromochloromethane
Concen: 46.103 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	77.6	58.9	88.3

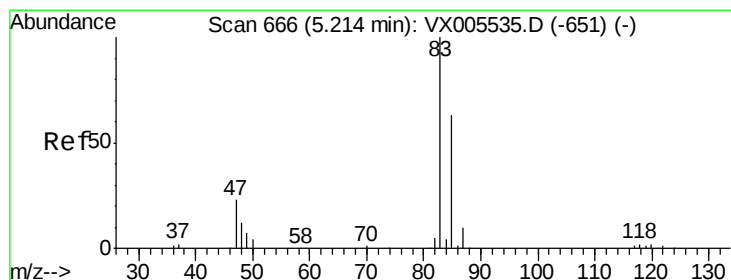
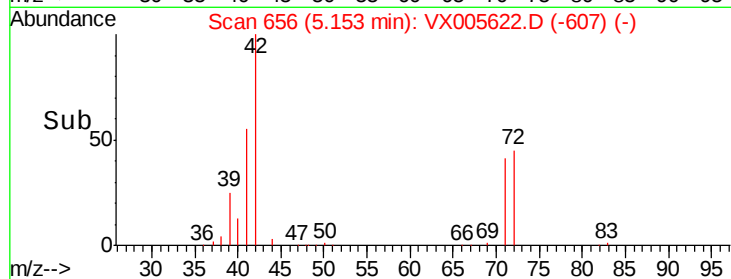
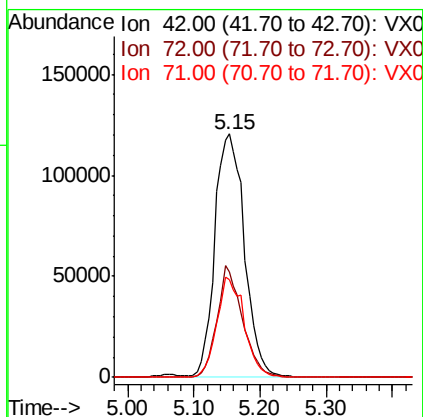
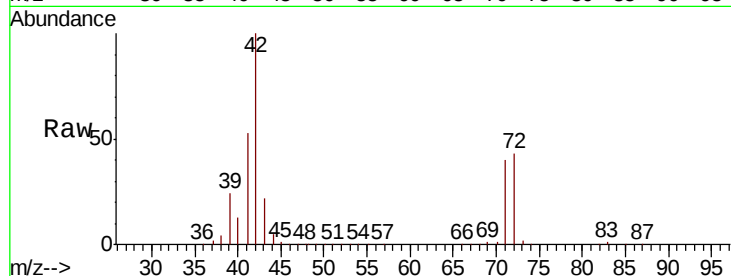




#29
Tetrahydrofuran
Concen: 245.125 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

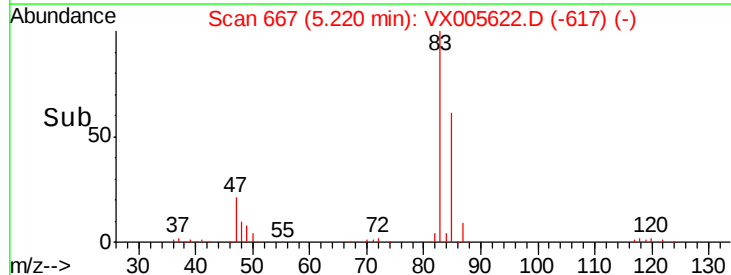
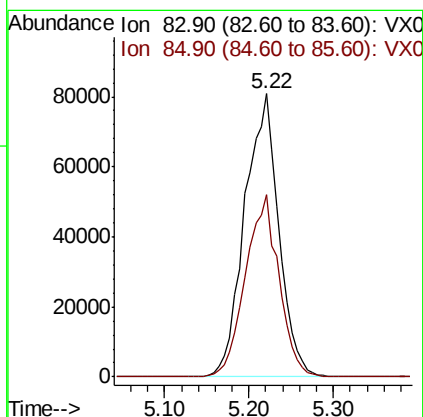
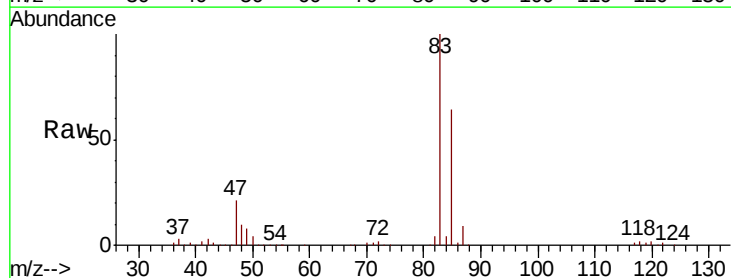
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

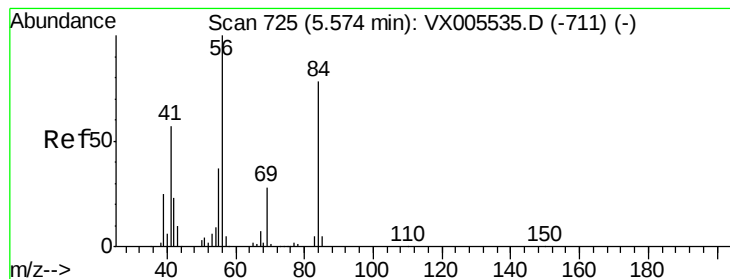
Tot Ion: 42 Resp: 371512
Ion Ratio Lower Upper
42 100
72 39.6 32.0 48.0
71 38.1 29.8 44.8



#30
Chloroform
Concen: 50.199 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 83 Resp: 221447
Ion Ratio Lower Upper
83 100
85 64.3 50.6 76.0





#31

Cyclohexane

Concen: 50.062 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

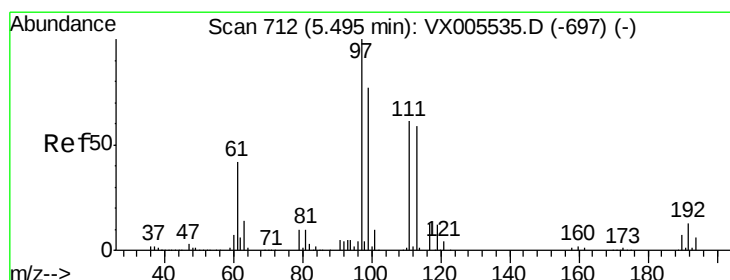
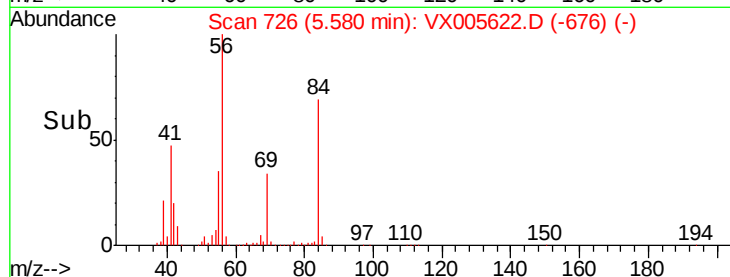
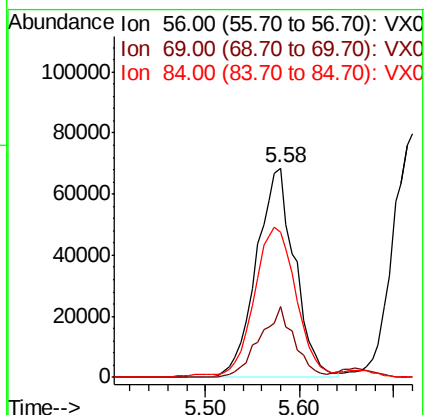
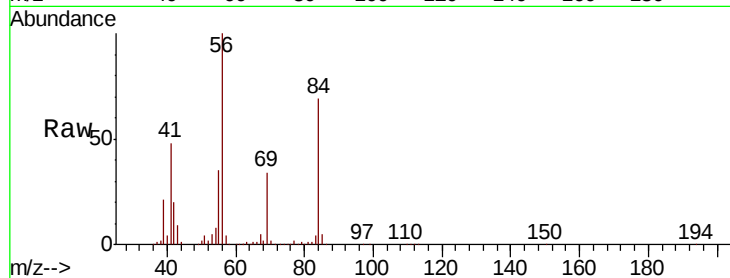
Tot Ion: 56 Resp: 195339

Ion Ratio Lower Upper

56 100

69 34.0 22.6 34.0#

84 68.4 62.7 94.1



#32

1,1,1-Trichloroethane

Concen: 46.271 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

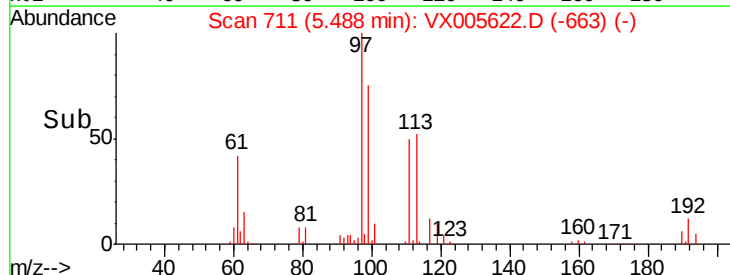
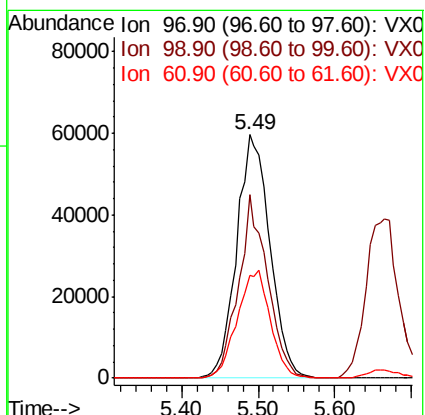
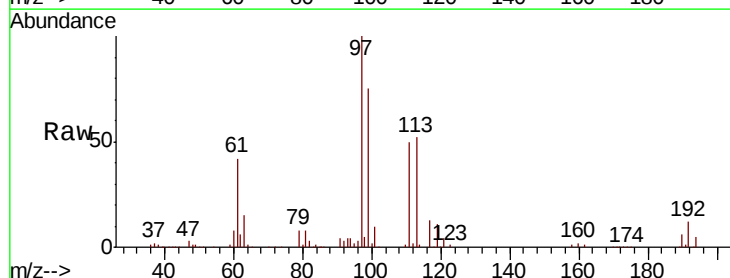
Tgt Ion: 97 Resp: 180154

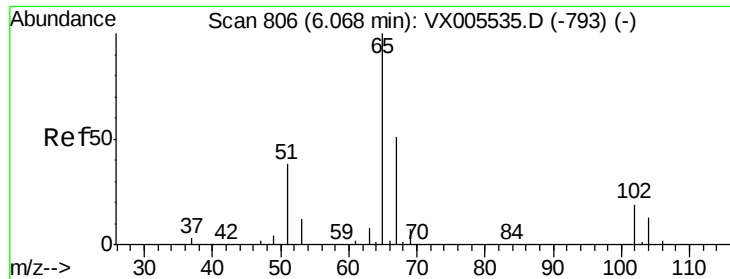
Ion Ratio Lower Upper

97 100

99 65.8 52.3 78.5

61 44.2 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 48.076 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

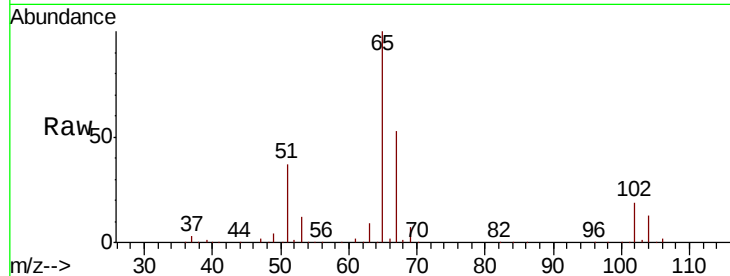
DL-SW-01MS

Tot Ion: 65 Resp: 139145

Ion Ratio Lower Upper

65 100

67 51.9 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

6.07

6.07

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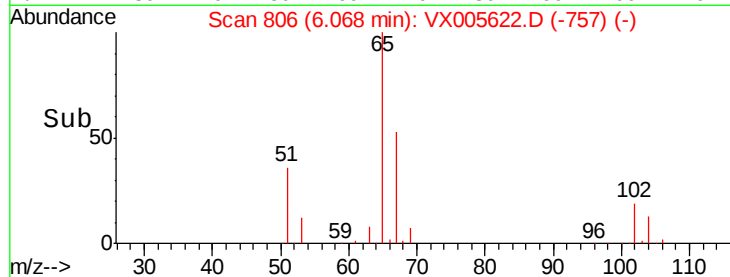
6.07

6.07

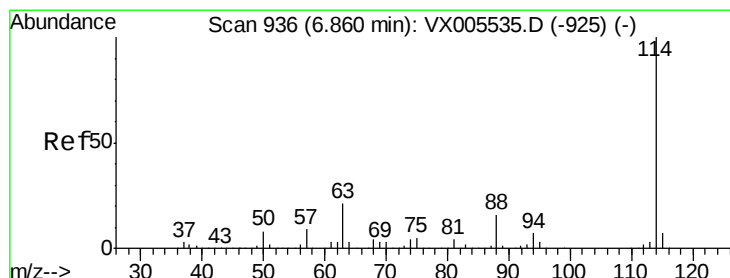
6.07

6.07

6.07



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

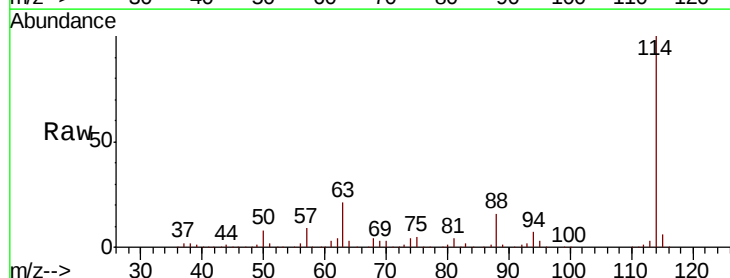
Tgt Ion: 114 Resp: 332709

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

88 16.0 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

6.86

6.86

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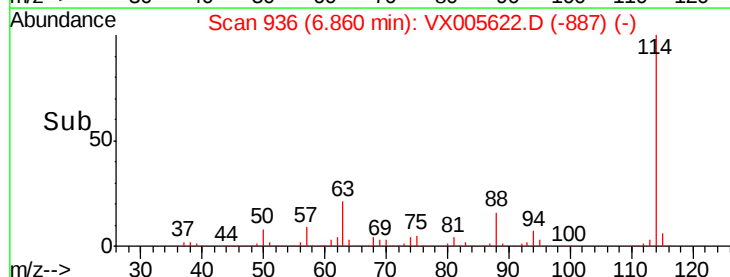
6.86

6.86

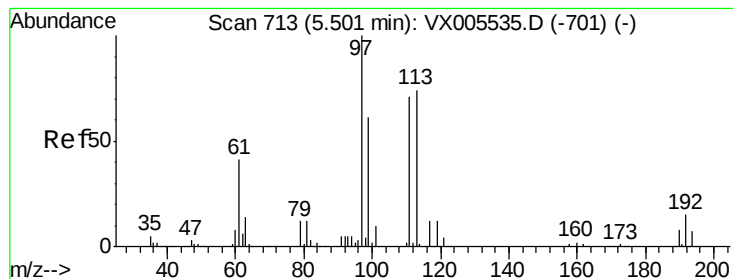
6.86

6.86

6.86



Time-->



#35

Dibromofluoromethane

Concen: 48.127 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

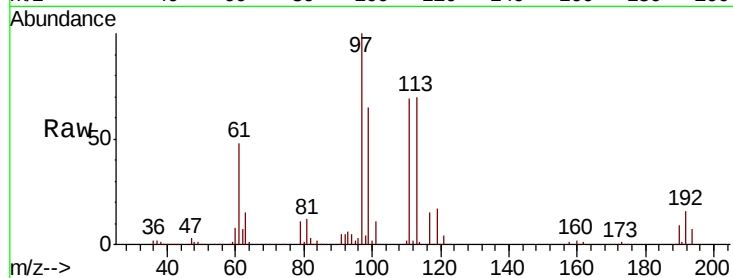
Tot Ion:113 Resp: 108421

Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

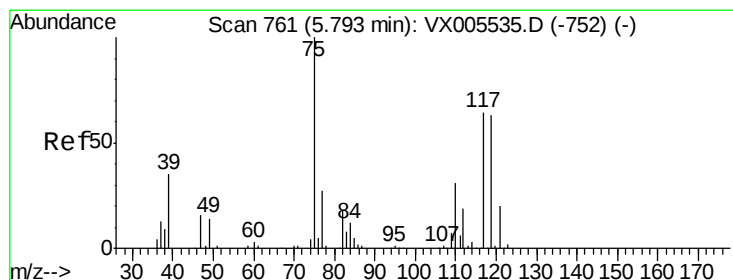
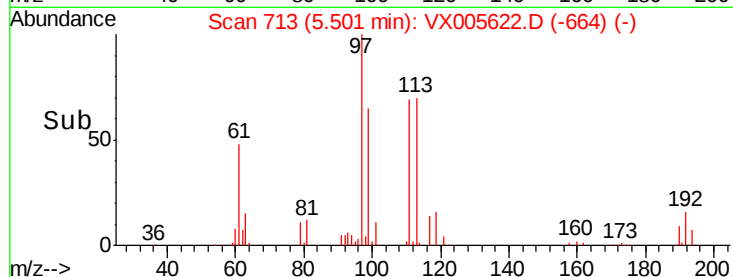
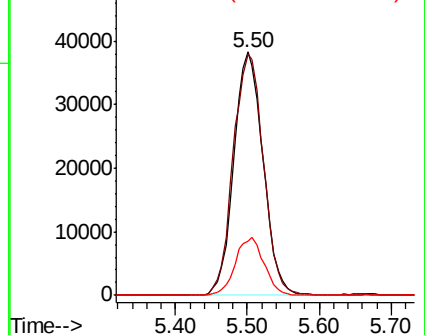
192 23.2 17.9 26.9



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: 47.841 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

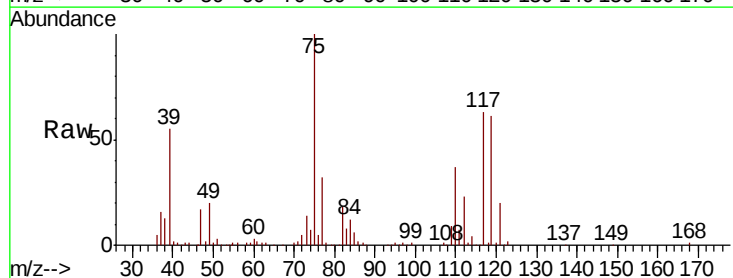
Tgt Ion: 75 Resp: 154470

Ion Ratio Lower Upper

75 100

110 36.2 17.4 52.2

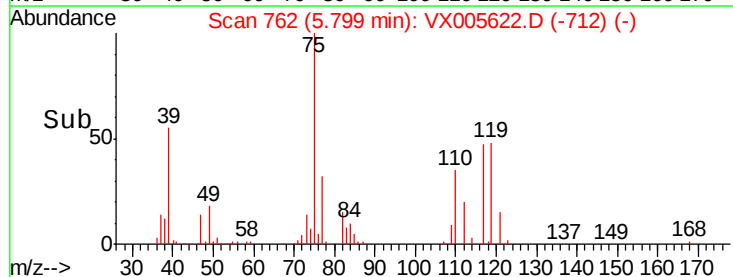
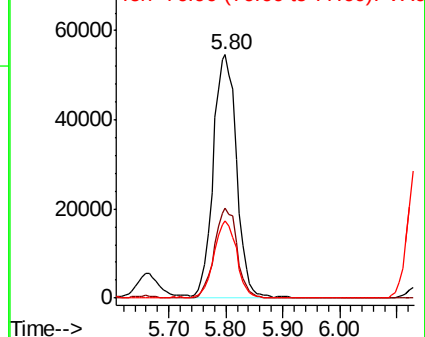
77 31.0 25.8 38.6

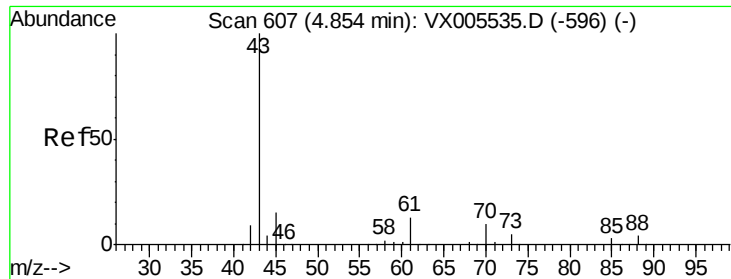


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

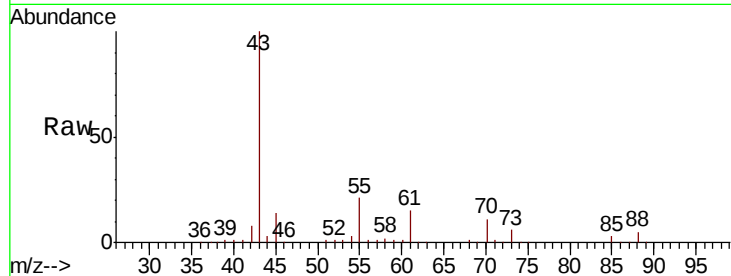




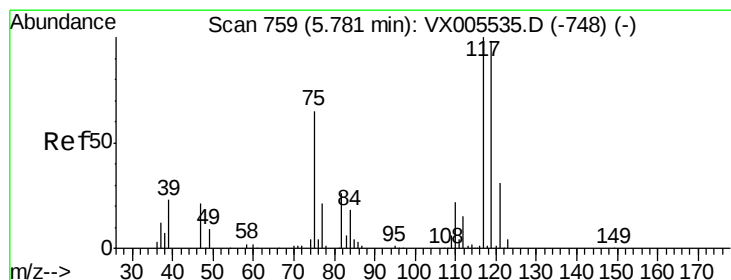
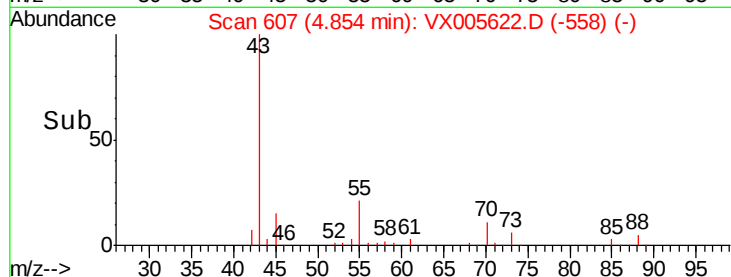
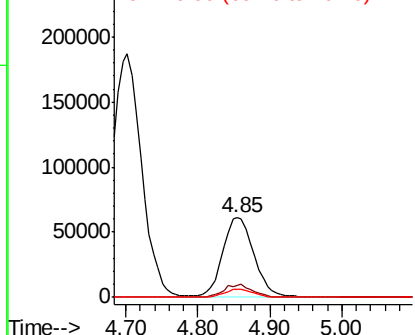
#37
Ethyl Acetate
Concen: 44.714 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion: 43 Resp: 184231
Ion Ratio Lower Upper
43 100
61 14.6 10.8 16.2
70 10.1 7.8 11.8

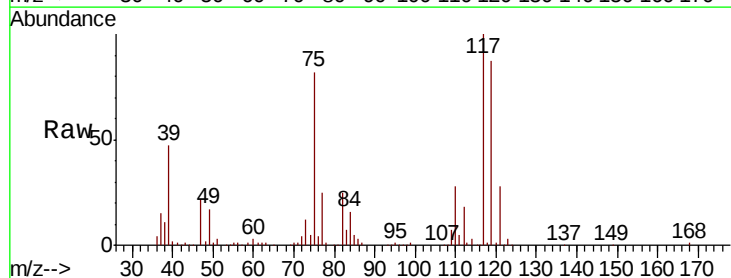


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

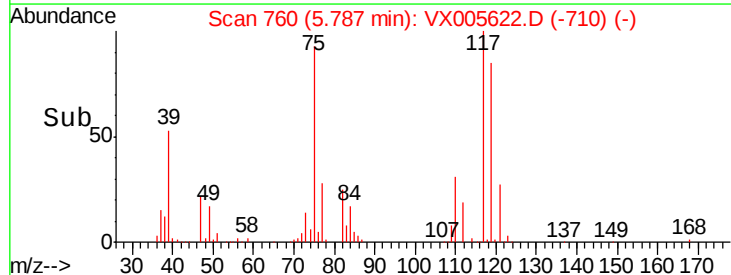
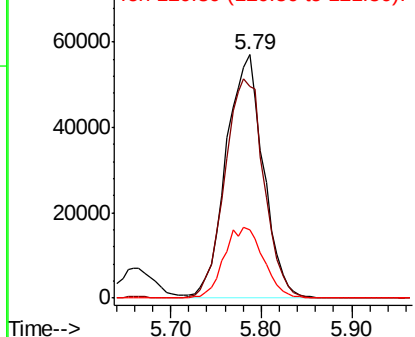


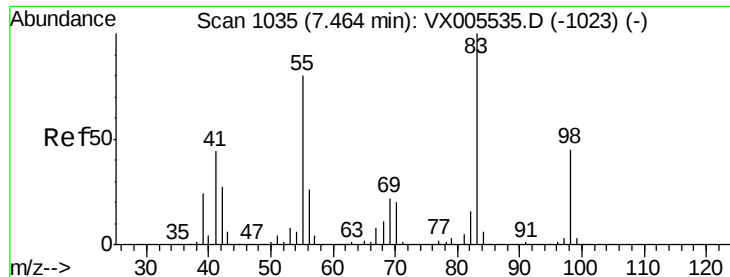
#38
Carbon Tetrachloride
Concen: 47.621 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 117 Resp: 161945
Ion Ratio Lower Upper
117 100
119 86.7 78.1 117.1
121 28.1 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

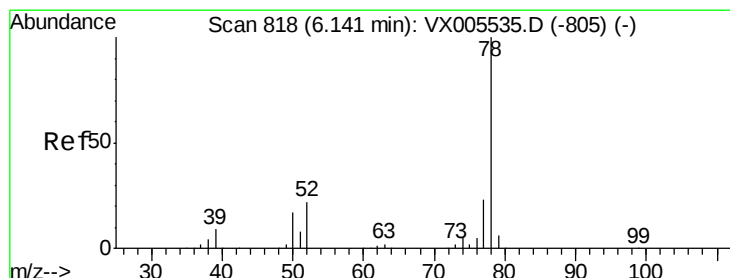
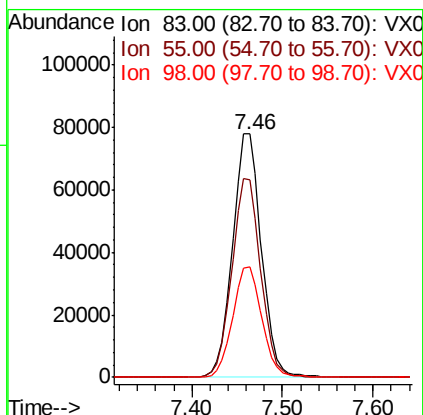
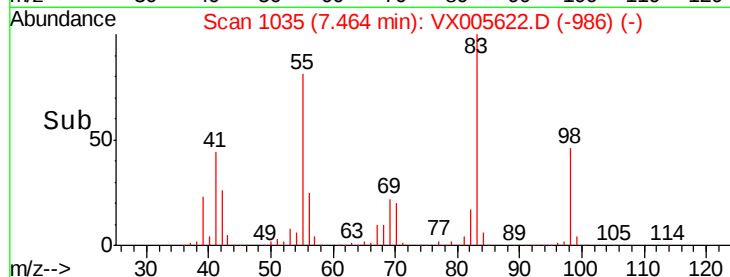
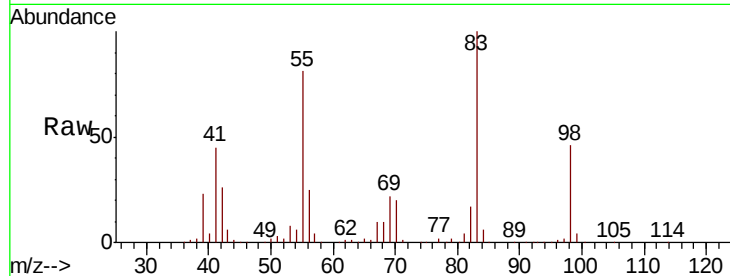




#39
Methvlcvclohexane
Concen: 48.155 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

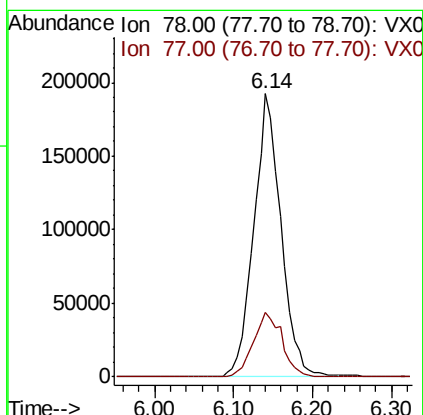
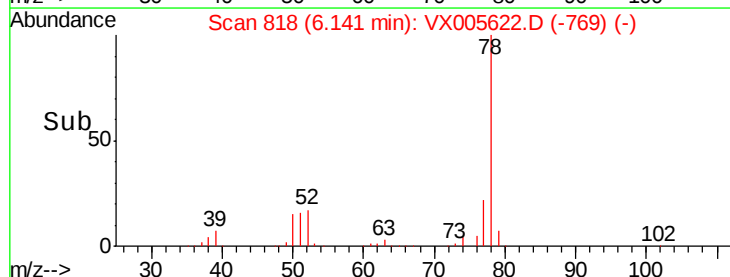
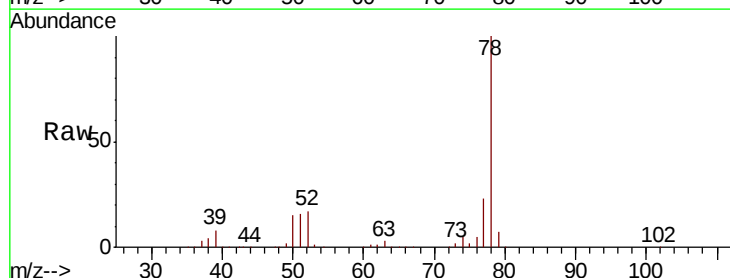
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

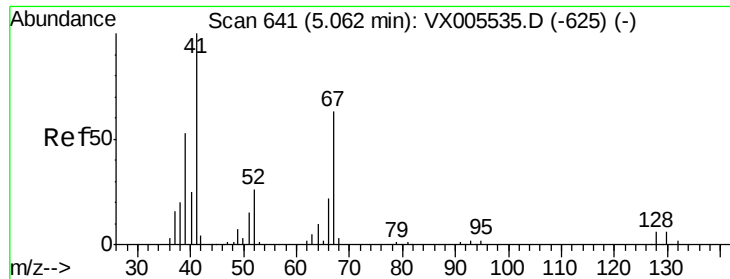
Tot Ion: 83 Resp: 171688
Ion Ratio Lower Upper
83 100
55 81.1 63.7 95.5
98 45.6 36.2 54.2



#40
Benzene
Concen: 49.820 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 78 Resp: 461116
Ion Ratio Lower Upper
78 100
77 22.6 18.4 27.6

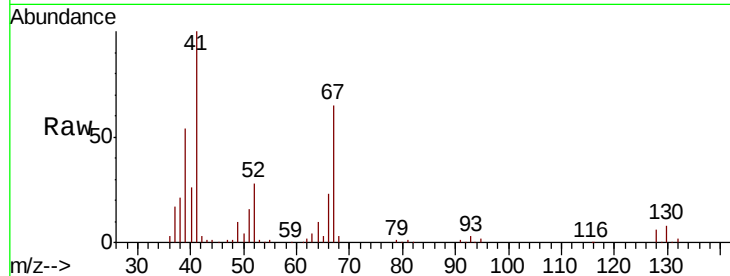




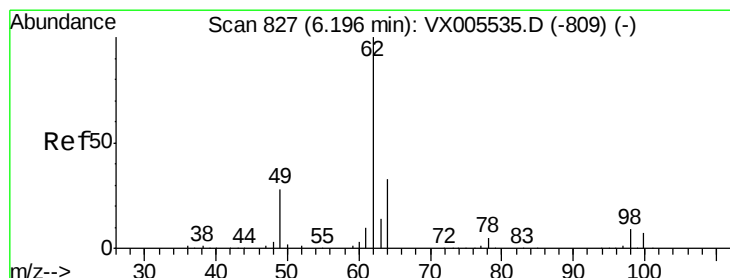
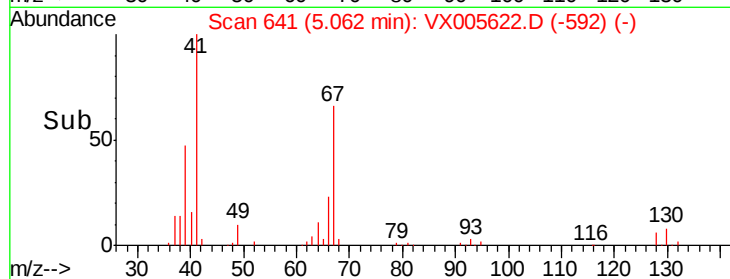
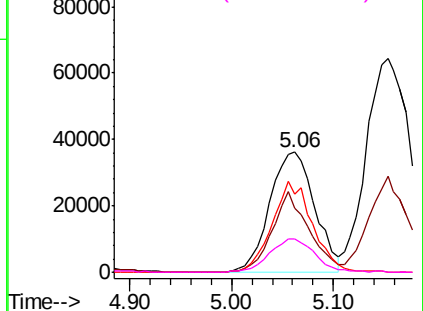
#41
Methacrylonitrile
Concen: 48.144 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleID :
DL-SW-01MS

Tot Ion:	41	Resp:	110495
Ion	Ratio	Lower	Upper
41	100		
39	54.8	42.2	63.2
67	68.5	53.4	80.0
52	27.5	23.4	35.2

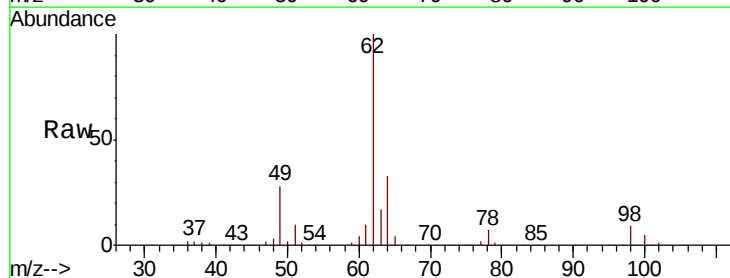


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

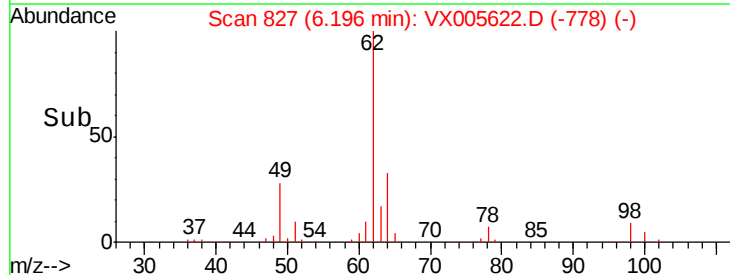
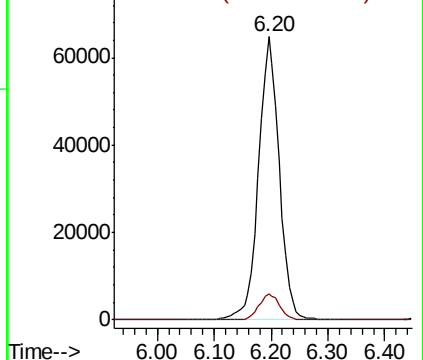


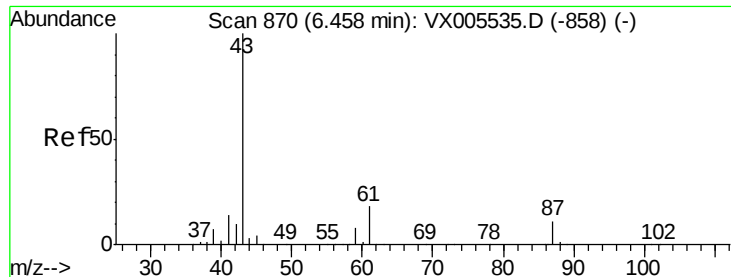
#42
1,2-Dichloroethane
Concen: 46.502 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion:	62	Resp:	163507
Ion	Ratio	Lower	Upper
62	100		
98	9.1	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: 47.583 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

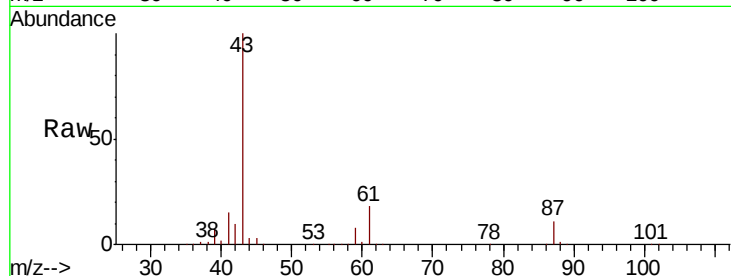
Tot Ion: 43 Resp: 293786

Ion Ratio Lower Upper

43 100

61 19.4 14.6 22.0

87 12.4 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) (-)

6.46

150000

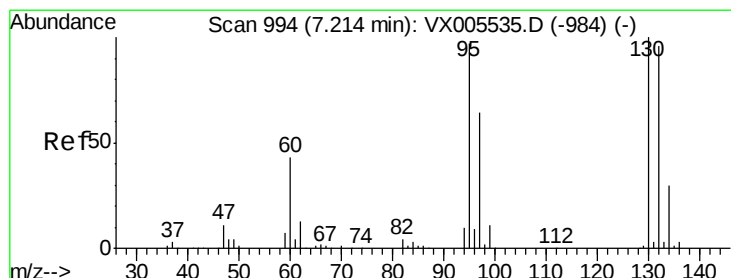
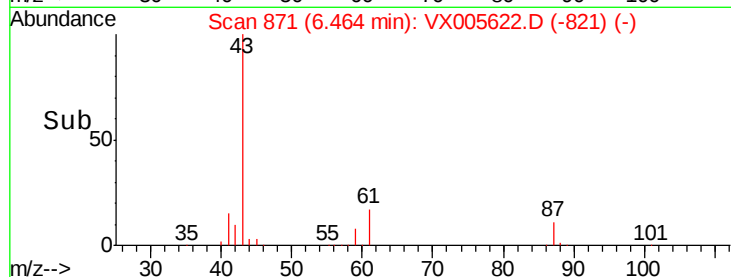
100000

50000

0

6.30 6.40 6.50 6.60 6.70

Time-->



#44

Trichloroethene

Concen: 48.230 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005622.D

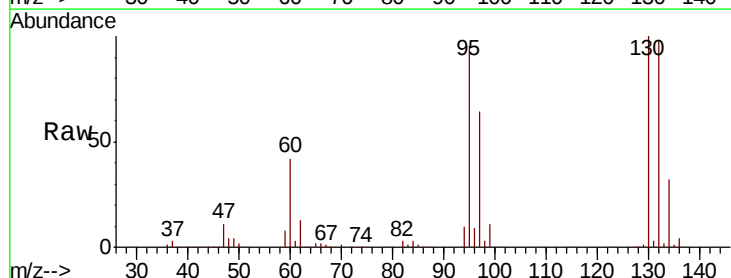
Acq: 26 Oct 2018 22:55

Tgt Ion: 130 Resp: 121612

Ion Ratio Lower Upper

130 100

95 95.3 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) (-)

7.21

60000

50000

40000

30000

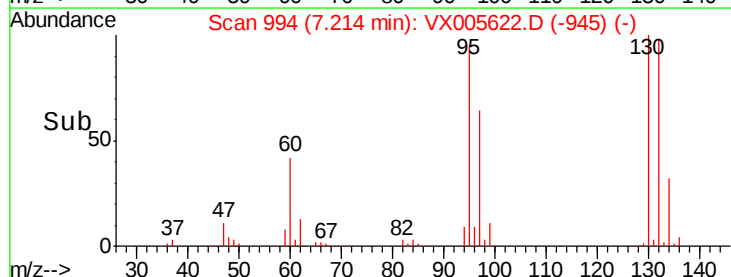
20000

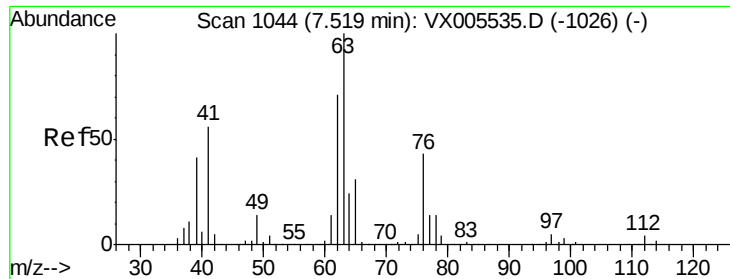
10000

0

7.10 7.20 7.30

Time-->





#45

1,2-Dichloropropane

Concen: 48.311 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

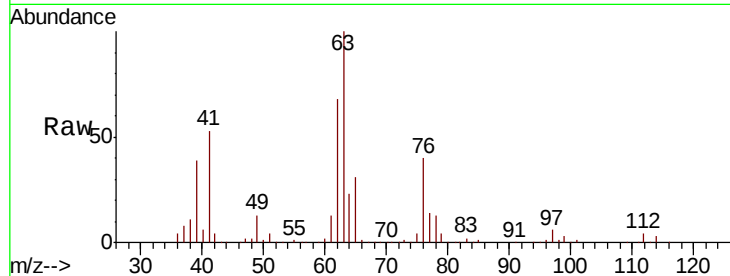
DL-SW-01MS

Tot Ion: 63 Resp: 120217

Ion Ratio Lower Upper

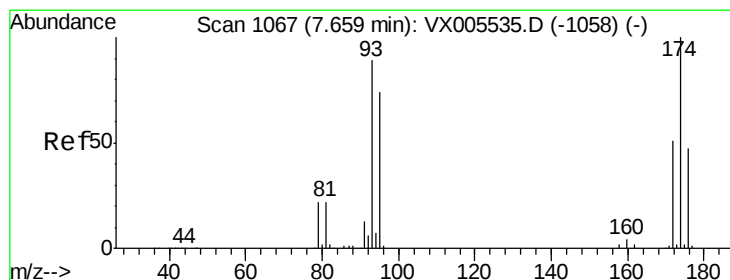
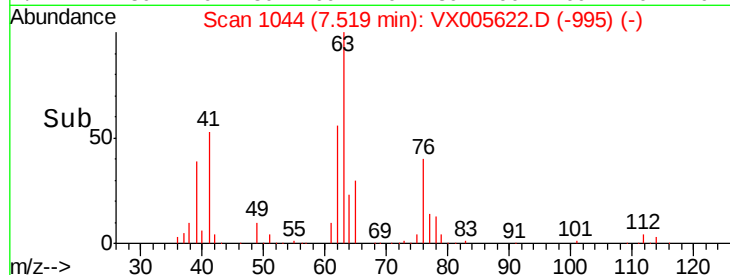
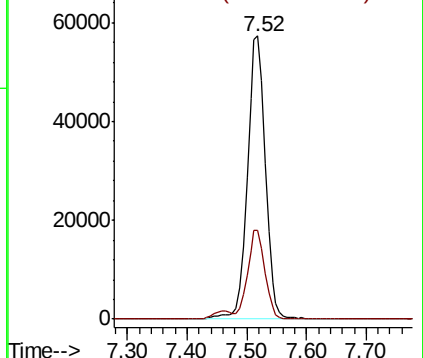
63 100

65 31.4 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: 47.806 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

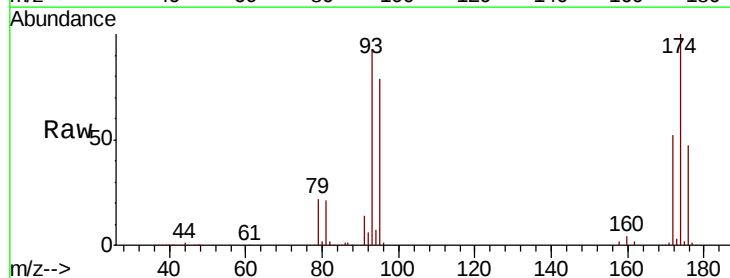
Tgt Ion: 93 Resp: 76833

Ion Ratio Lower Upper

93 100

95 84.6 67.4 101.0

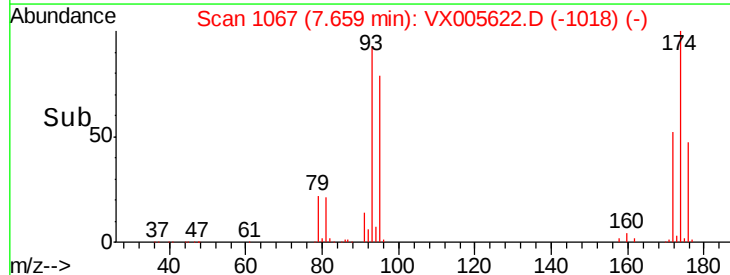
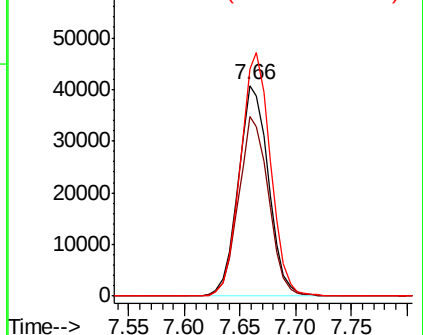
174 115.6 91.5 137.3

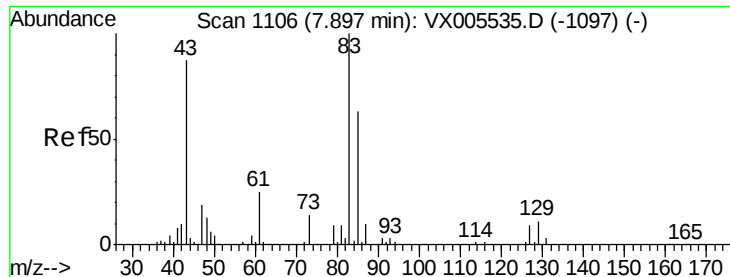


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.375 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

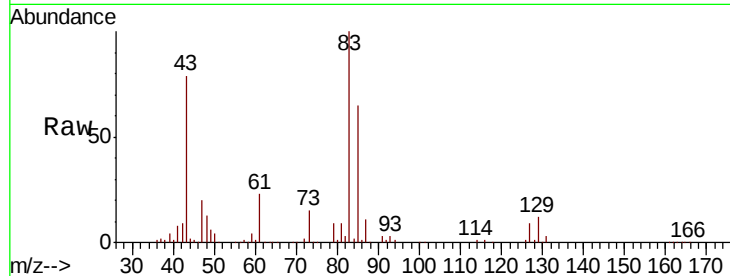
Tot Ion: 83 Resp: 150897

Ion Ratio Lower Upper

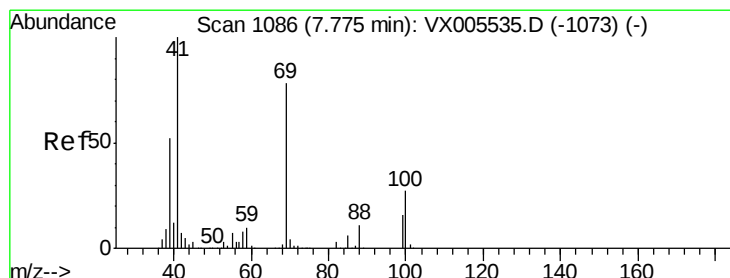
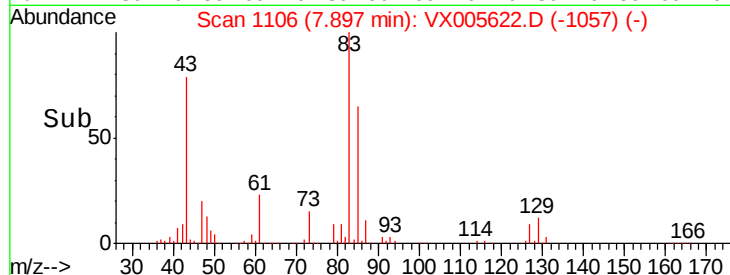
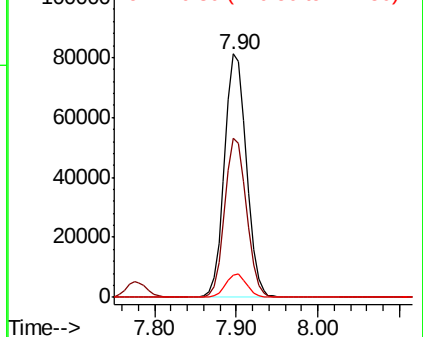
83 100

85 65.4 50.2 75.4

127 8.9 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: 51.361 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

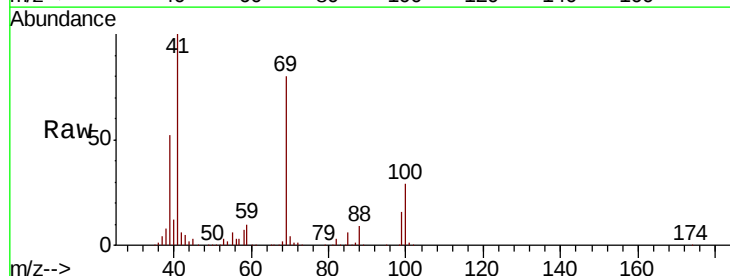
Tgt Ion: 41 Resp: 154486

Ion Ratio Lower Upper

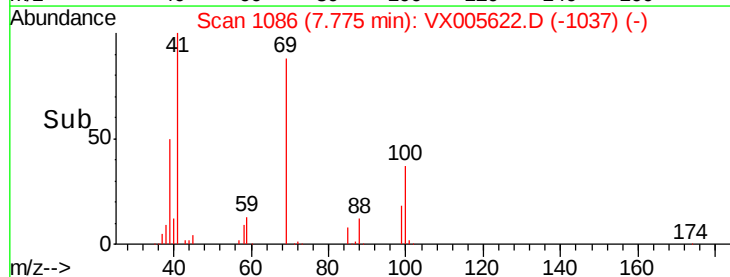
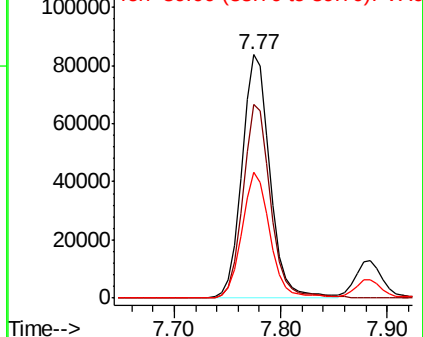
41 100

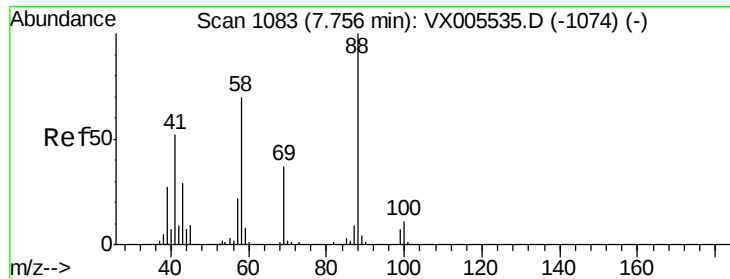
69 78.9 63.2 94.8

39 51.3 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

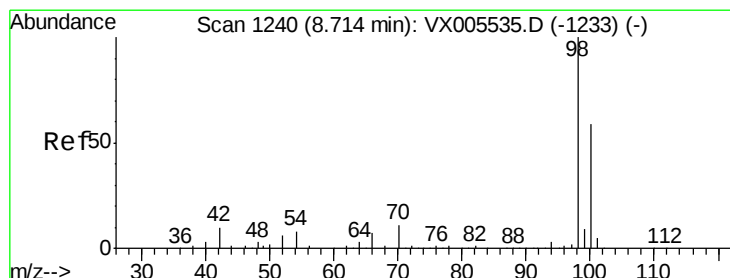
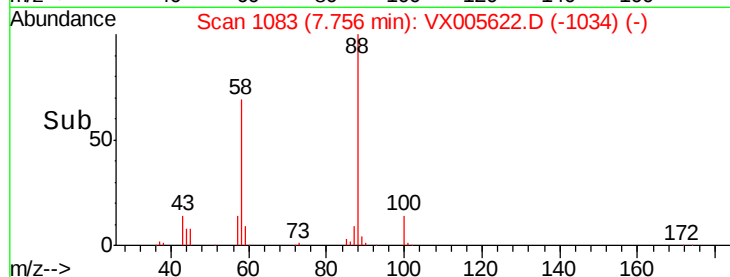
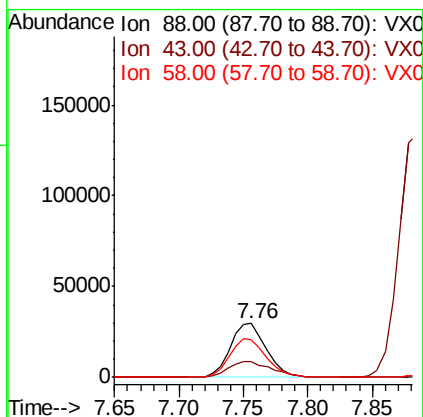
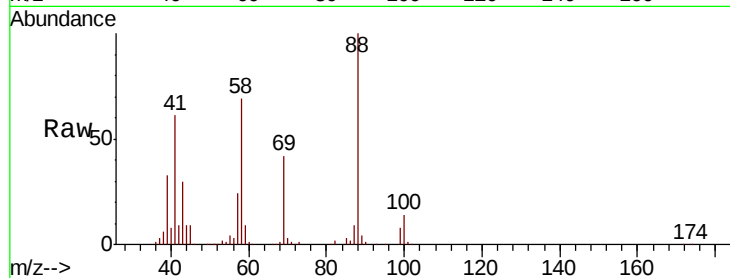




#49
1,4-Dioxane
Concen: 874.424 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

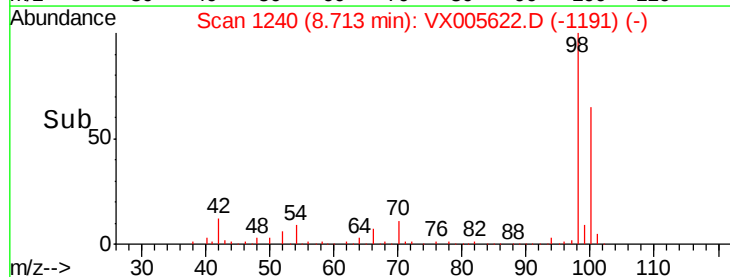
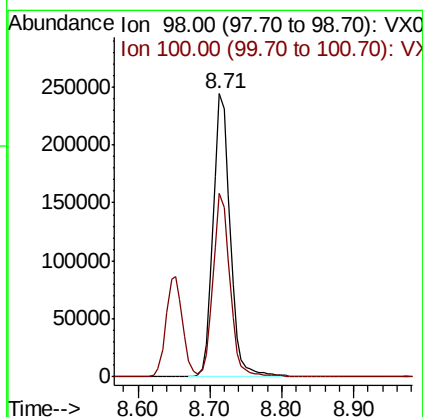
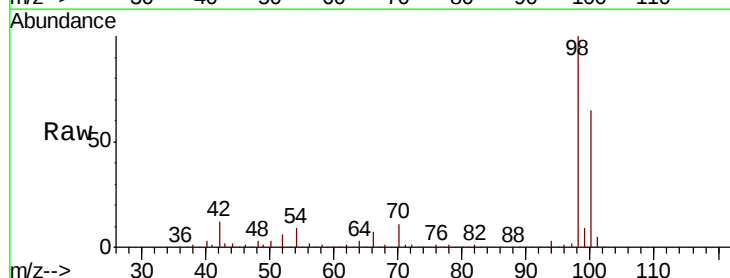
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

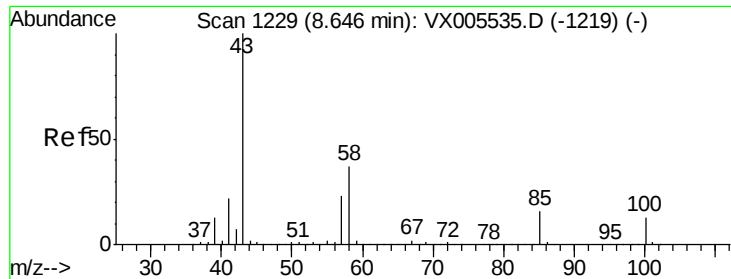
Tot Ion: 88 Resp: 57477
Ion Ratio Lower Upper
88 100
43 34.9 27.4 41.0
58 73.5 59.4 89.2



#50
Toluene-d8
Concen: 49.446 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 98 Resp: 400262
Ion Ratio Lower Upper
98 100
100 64.3 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 246.113 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

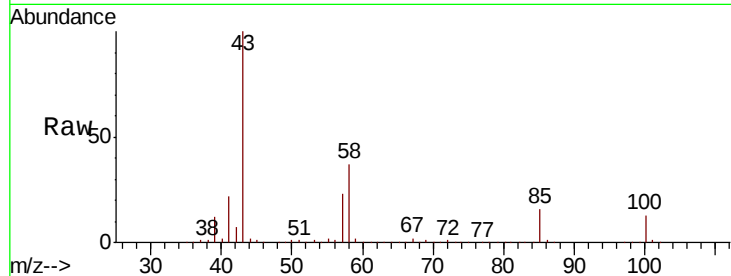
DL-SW-01MS

Tot Ion: 43 Resp: 1021231

Ion Ratio Lower Upper

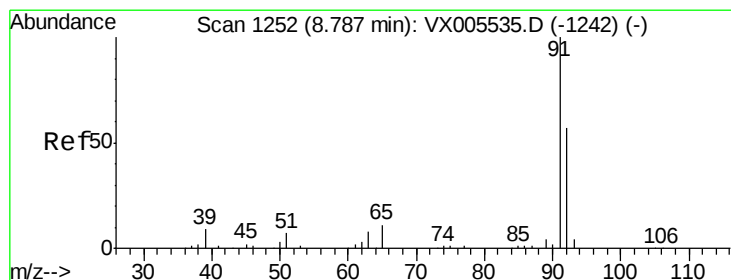
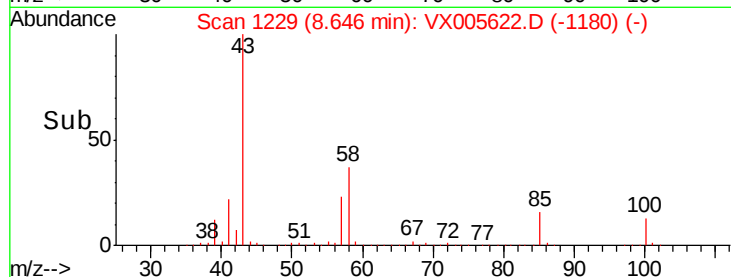
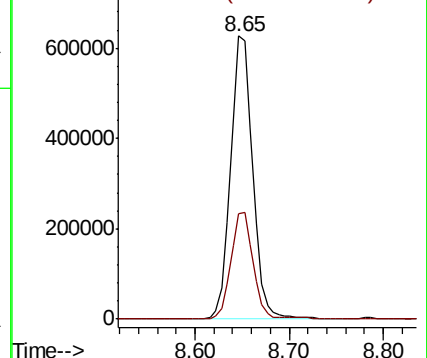
43 100

58 37.5 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: 49.267 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005622.D

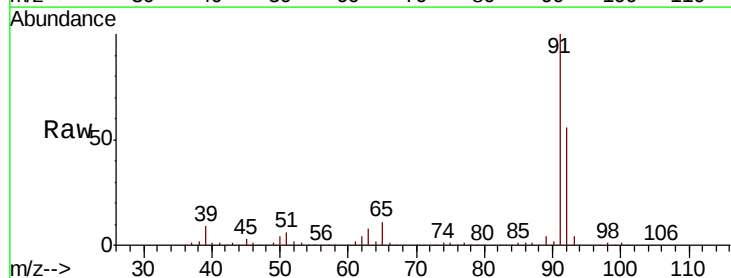
Acq: 26 Oct 2018 22:55

Tgt Ion: 92 Resp: 277132

Ion Ratio Lower Upper

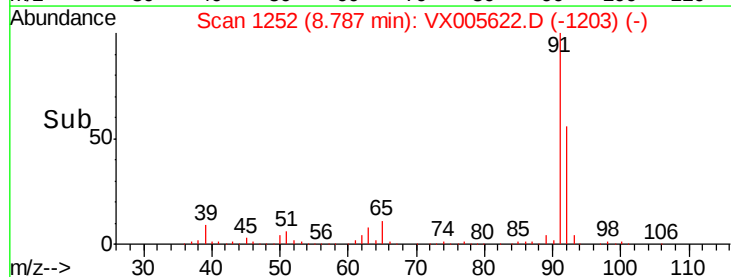
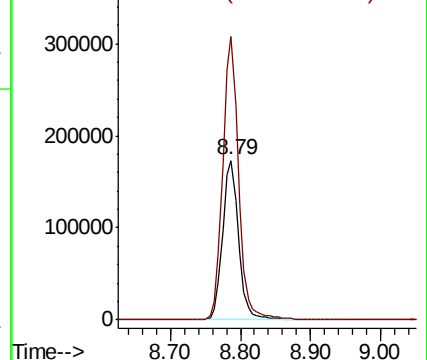
92 100

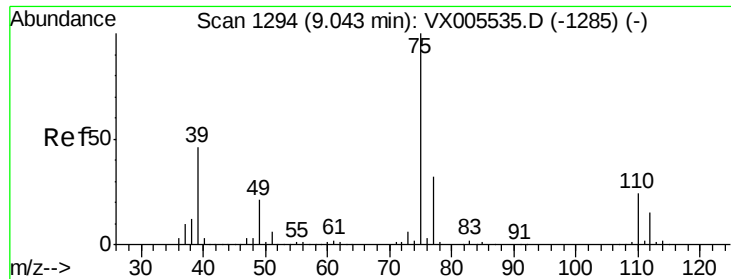
91 176.1 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

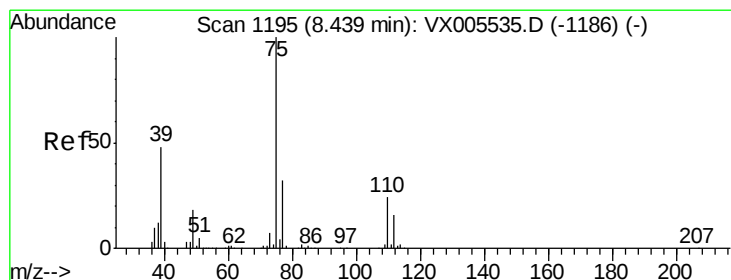
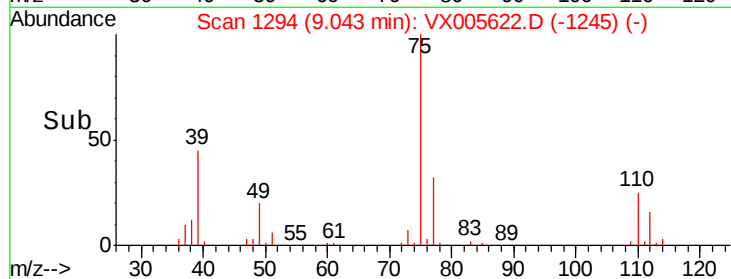
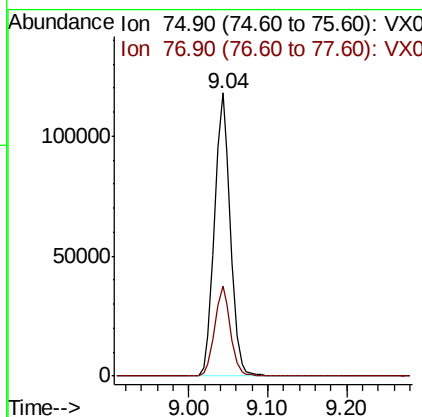
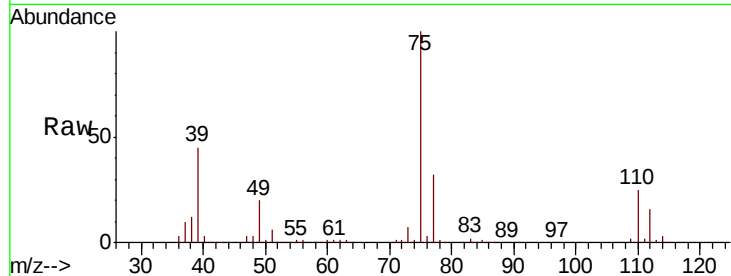




#53
t-1,3-Dichloropropene
Concen: 49.185 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

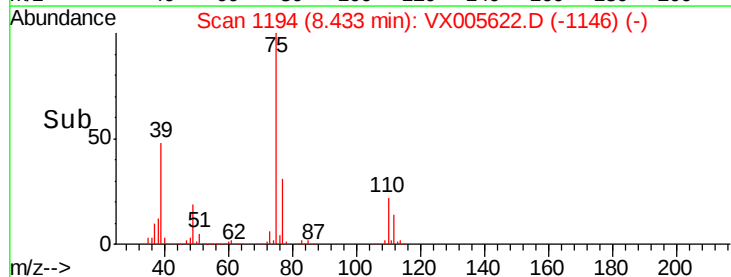
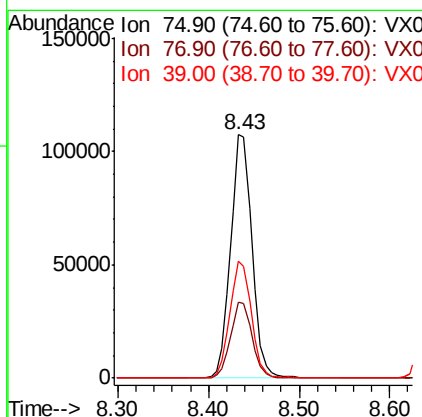
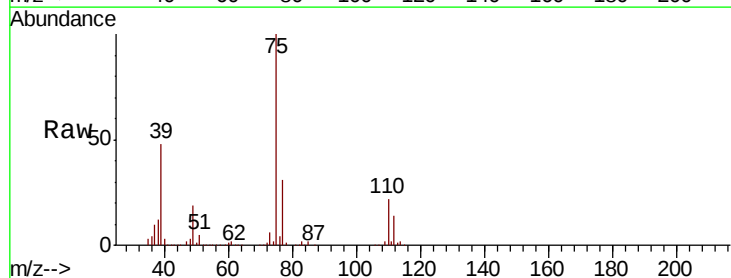
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

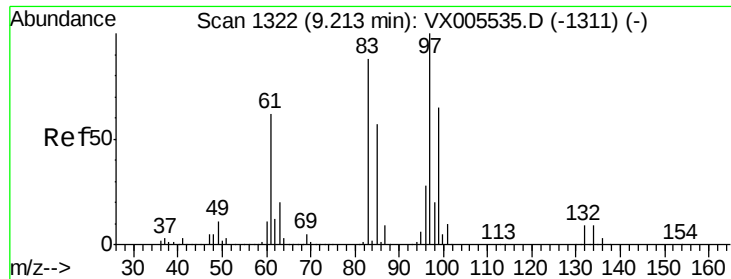
Tot Ion: 75 Resp: 165814
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 48.606 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.01 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 75 Resp: 176420
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 48.1 38.2 57.2



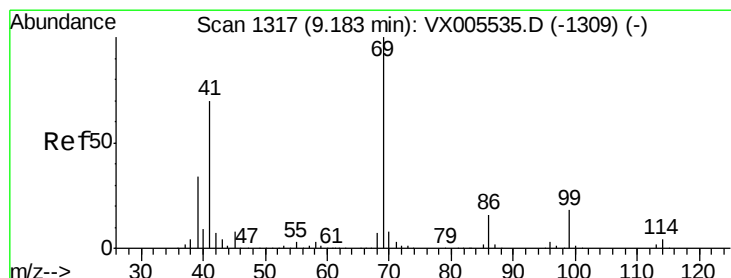
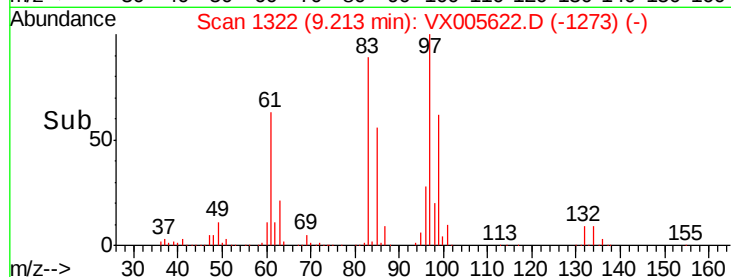
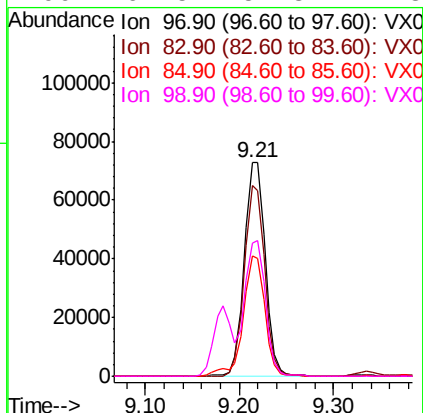
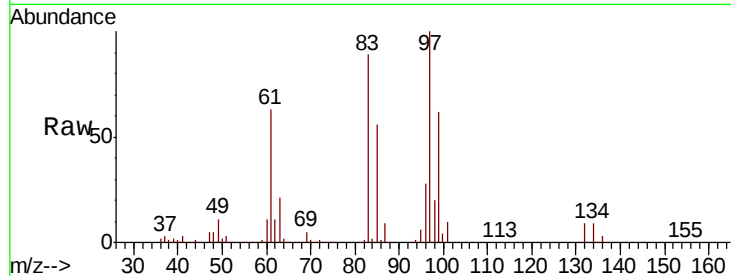


#55
 1,1,2-Trichloroethane
 Concen: 48.028 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion: 97 Resp: 113904

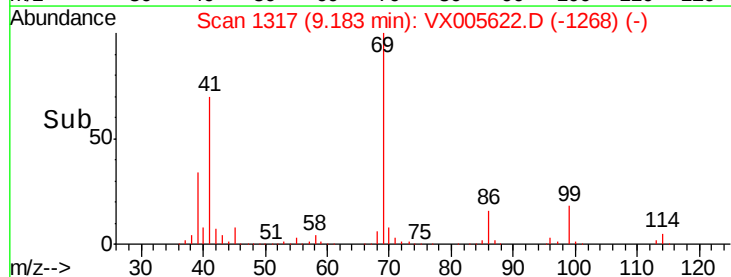
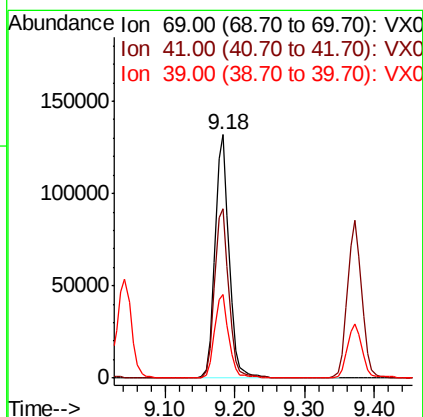
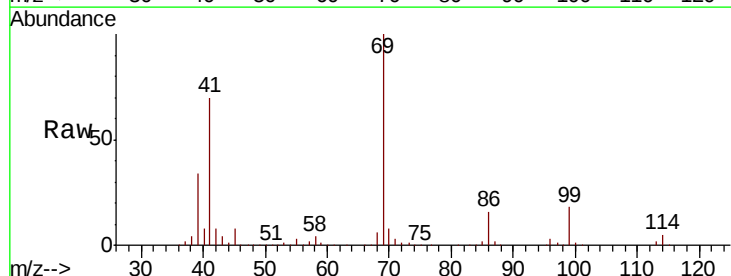
Ion	Ratio	Lower	Upper
97	100		
83	89.3	70.7	106.1
85	56.3	45.8	68.6
99	62.5	51.8	77.8

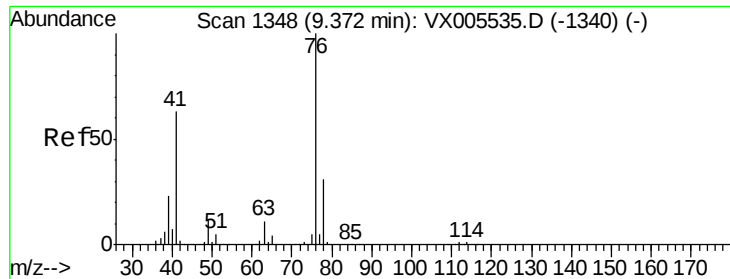


#56
 Ethyl methacrylate
 Concen: 52.020 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion: 69 Resp: 184018

Ion	Ratio	Lower	Upper
69	100		
41	71.0	57.0	85.6
39	34.6	28.3	42.5





#57

1,3-Dichloropropane

Concen: 48.082 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

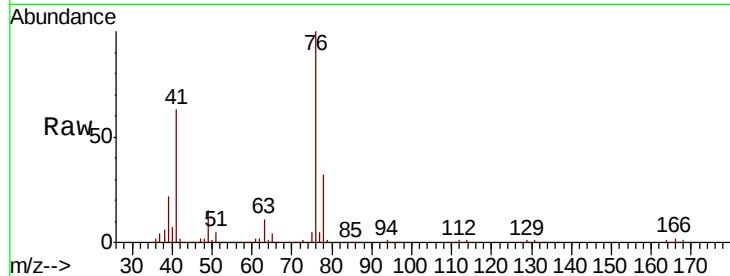
DL-SW-01MS

Tot Ion: 76 Resp: 192943

Ion Ratio Lower Upper

76 100

78 32.0 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

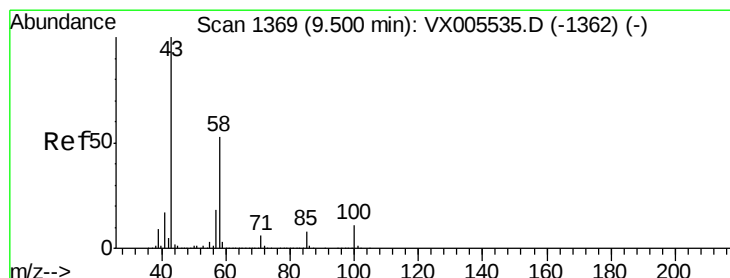
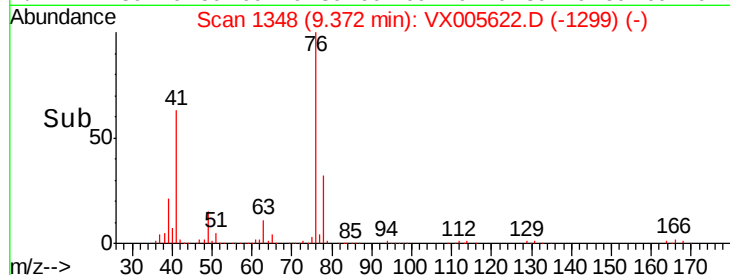
100000

50000

0

Time-->

9.30 9.40 9.50



#59

2-Hexanone

Concen: 247.981 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VX005622.D

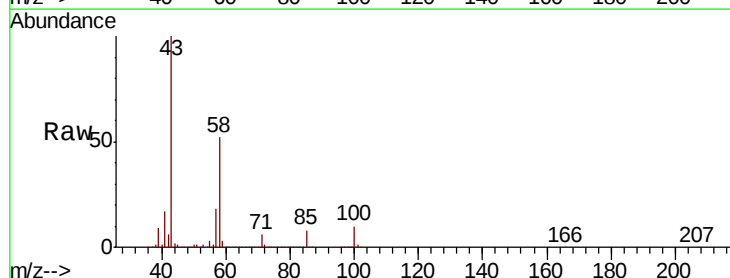
Acq: 26 Oct 2018 22:55

Tgt Ion: 43 Resp: 811303

Ion Ratio Lower Upper

43 100

58 52.7 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

600000

500000

400000

300000

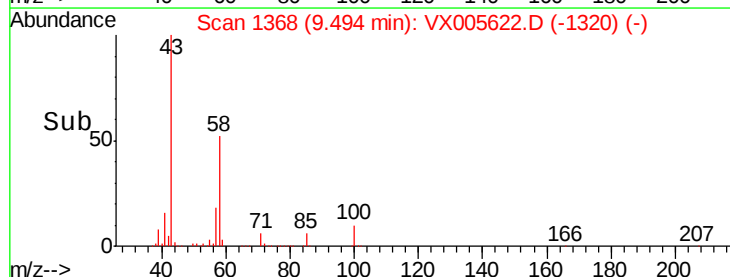
200000

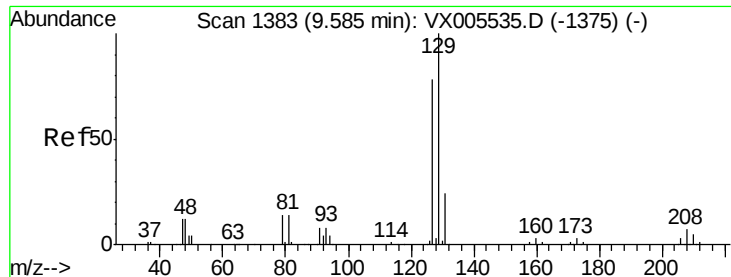
100000

0

Time-->

9.40 9.50 9.60





#60

Dibromochloromethane

Concen: 49.394 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

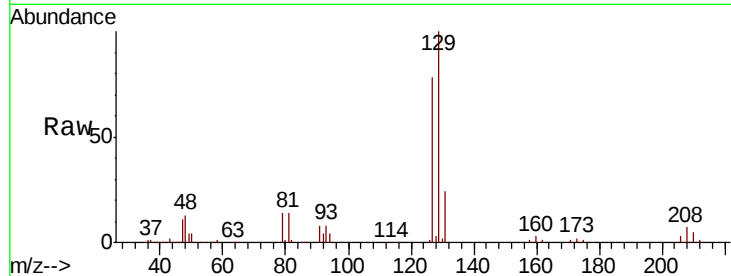
DL-SW-01MS

Tot Ion:129 Resp: 122219

Ion Ratio Lower Upper

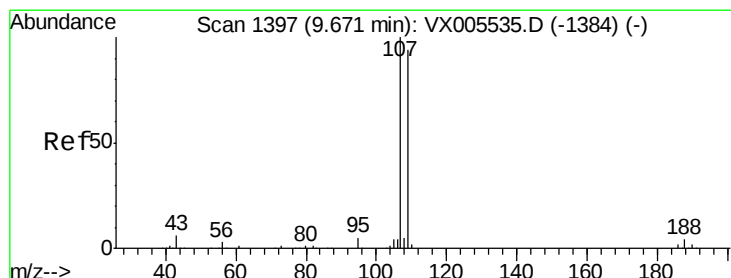
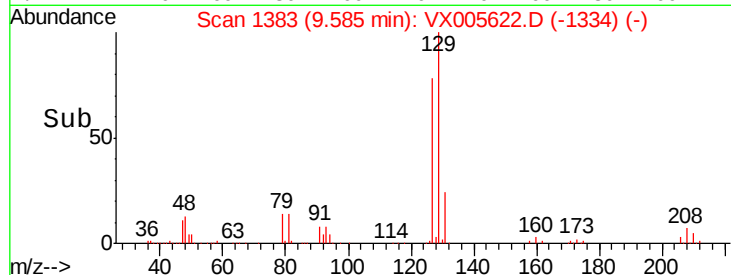
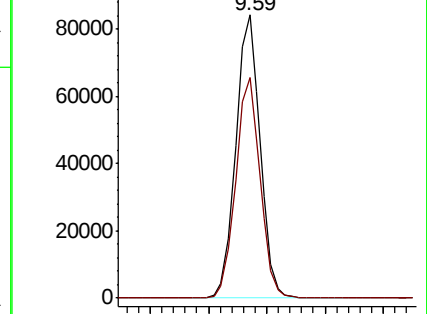
129 100

127 78.2 38.9 116.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 48.545 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005622.D

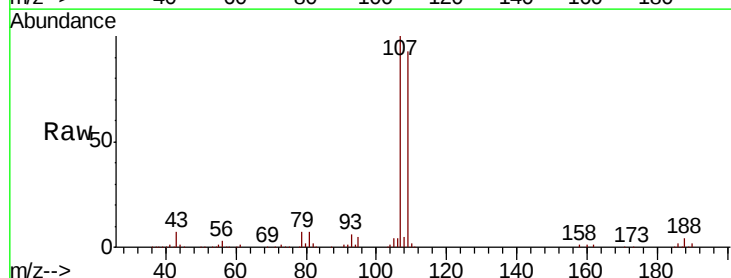
Acq: 26 Oct 2018 22:55

Tgt Ion:107 Resp: 119106

Ion Ratio Lower Upper

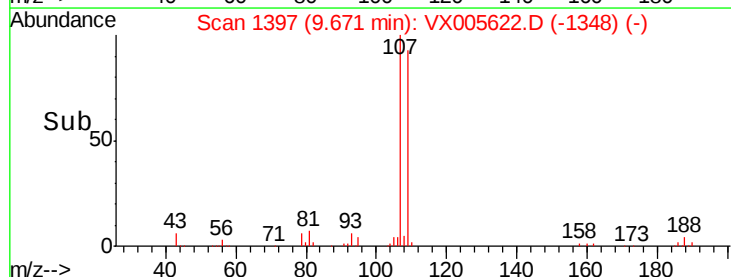
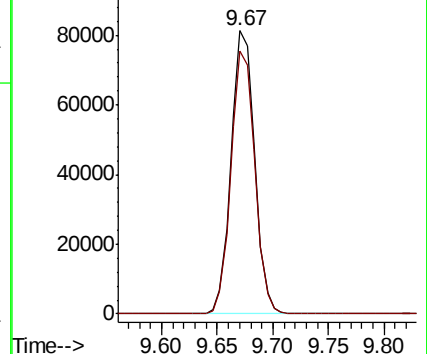
107 100

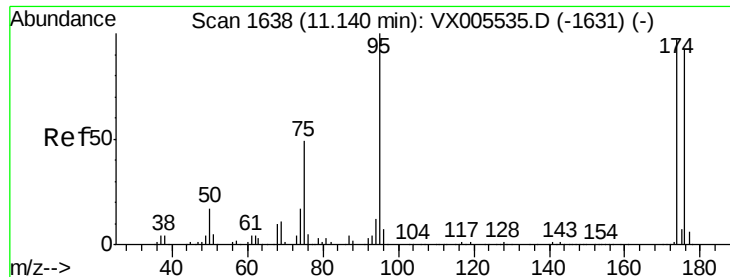
109 94.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

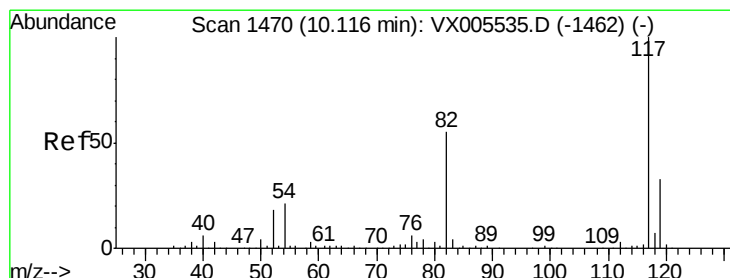
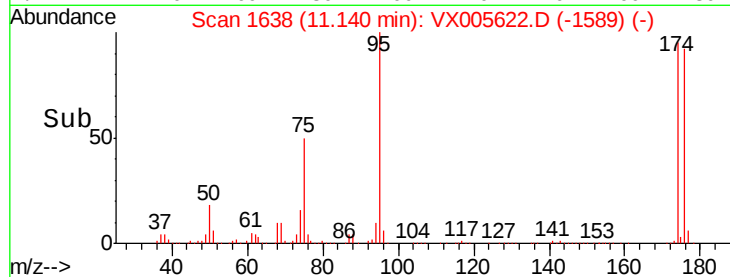
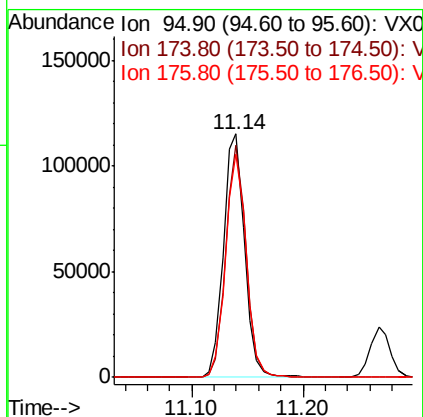
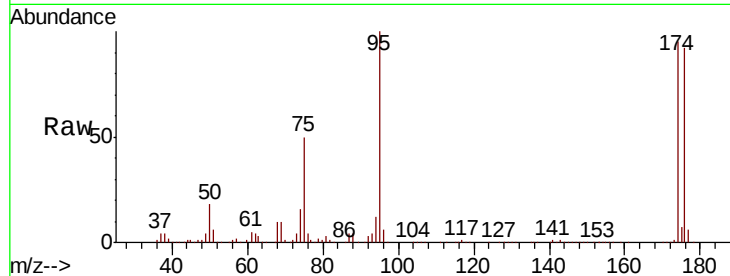




#62
4-Bromofluorobenzene
Concen: 49.386 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

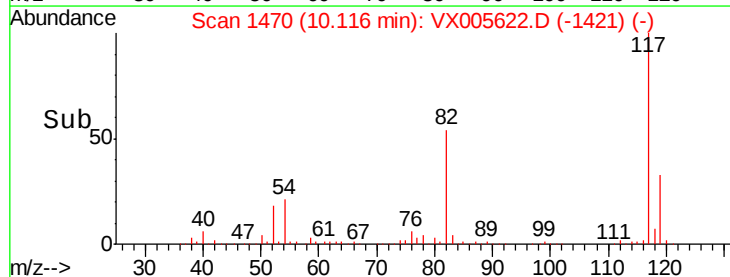
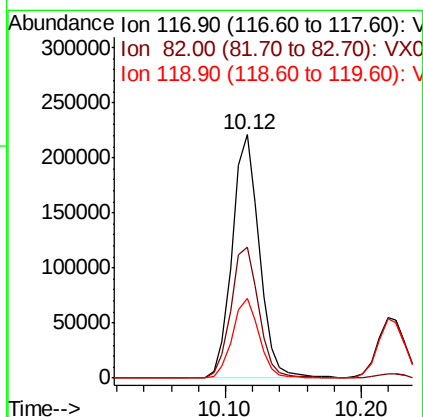
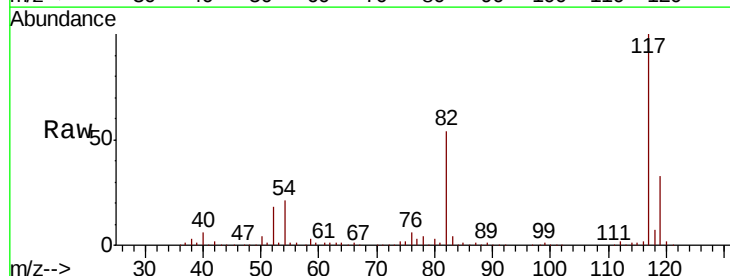
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

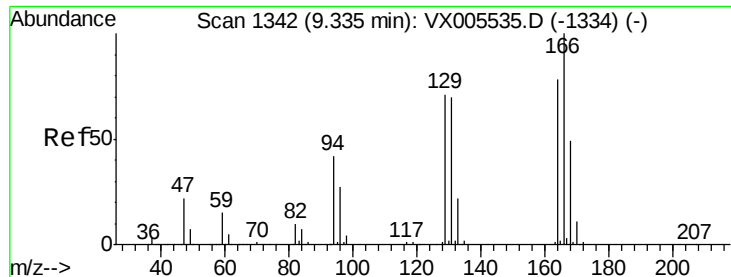
Tot Ion: 95 Resp: 150973
Ion Ratio Lower Upper
95 100
174 91.6 0.0 184.4
176 89.6 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 117 Resp: 306852
Ion Ratio Lower Upper
117 100
82 53.7 44.1 66.1
119 32.6 26.2 39.2

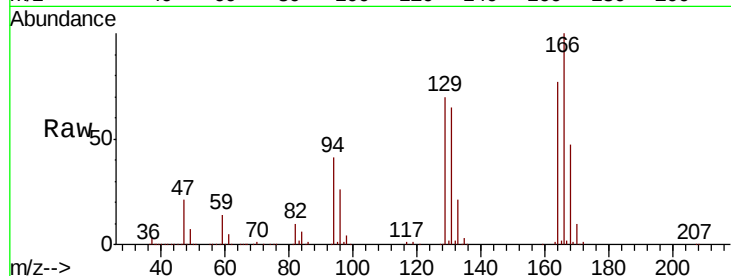




#64
Tetrachloroethene
Concen: 45.210 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.9	152.9
129	90.9	72.6	109.0
131	85.2	71.1	106.7



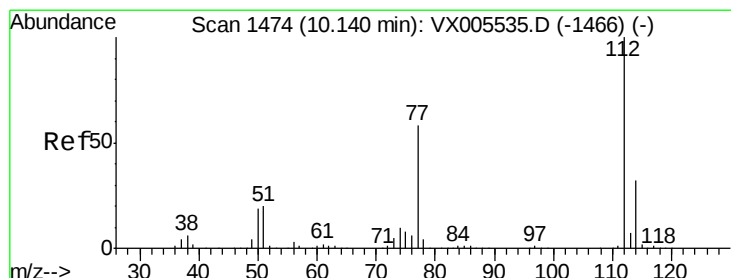
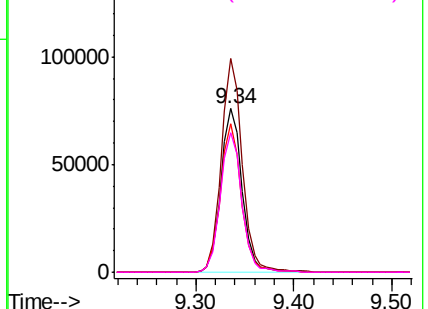
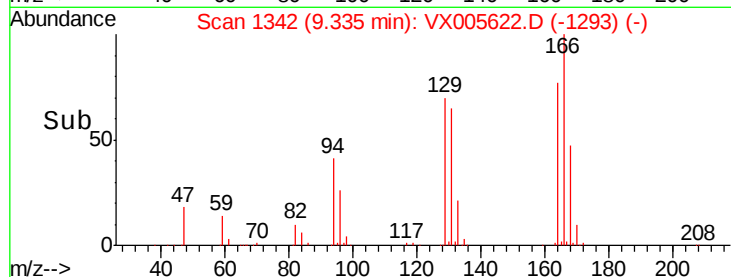
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

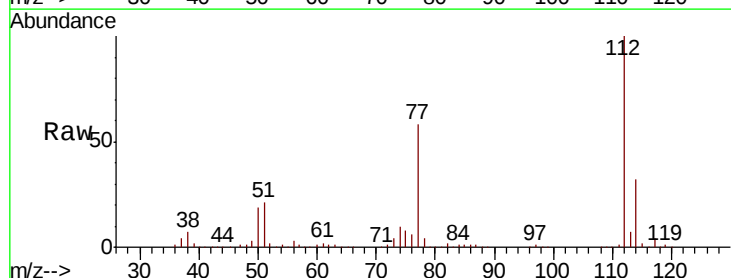
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 47.954 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

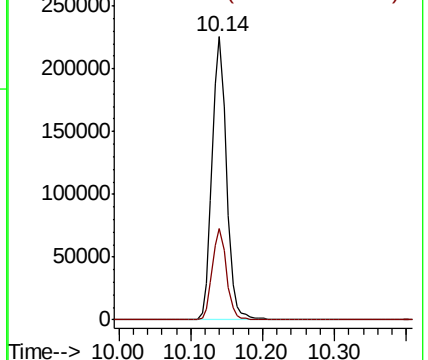
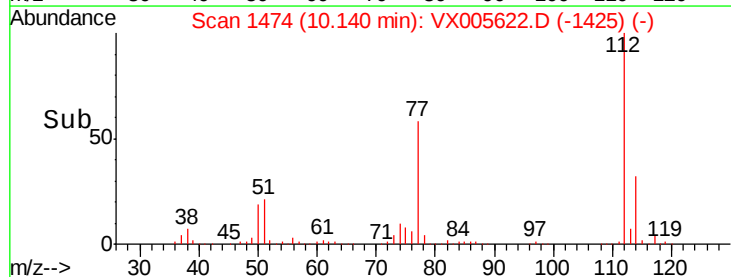
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6

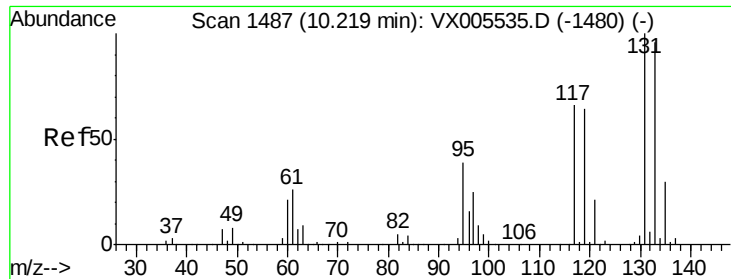


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 48.682 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

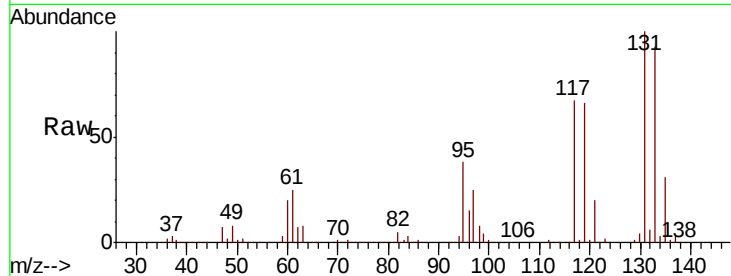
Tot Ion:131 Resp: 115988

Ion Ratio Lower Upper

131 100

133 94.7 47.5 142.5

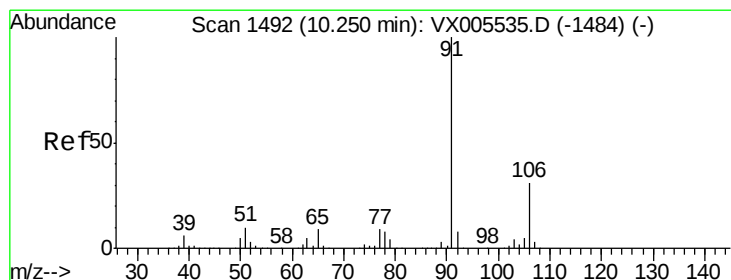
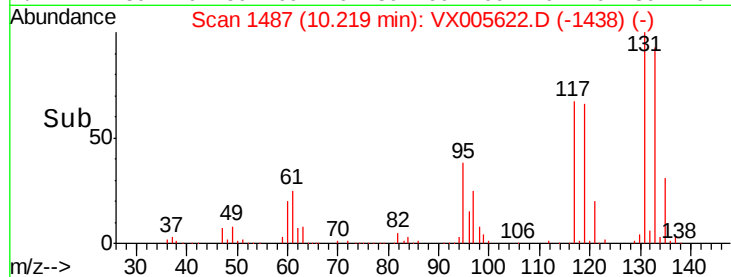
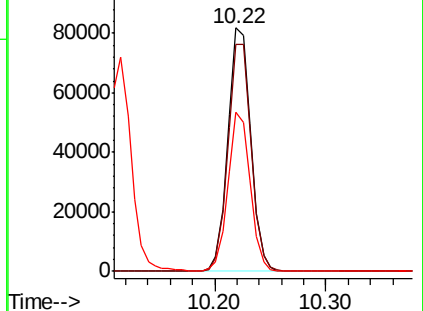
119 64.0 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 50.295 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX005622.D

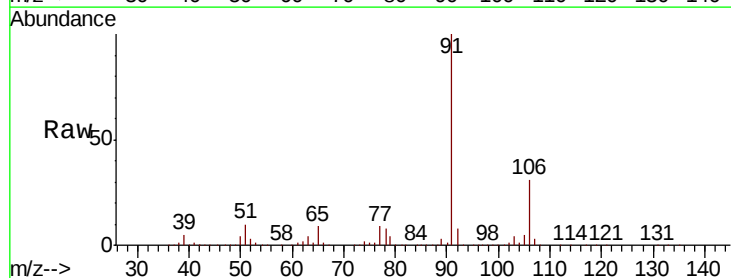
Acq: 26 Oct 2018 22:55

Tgt Ion: 91 Resp: 540705

Ion Ratio Lower Upper

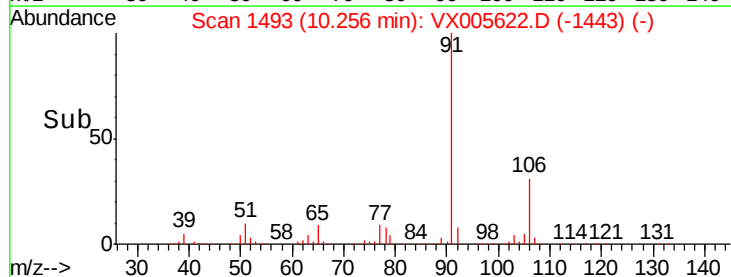
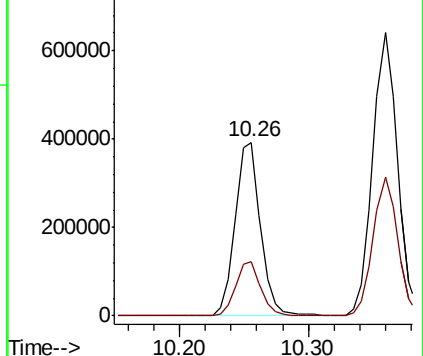
91 100

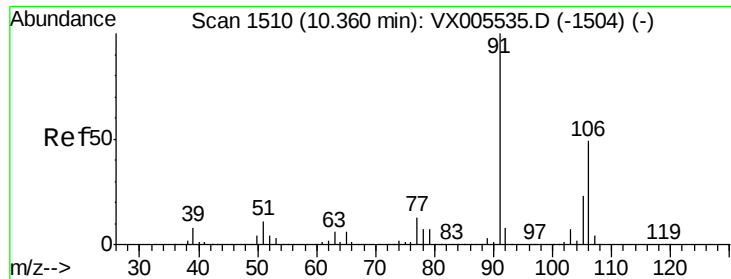
106 31.0 24.4 36.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

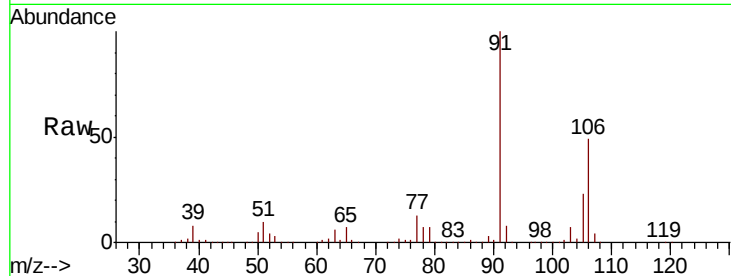




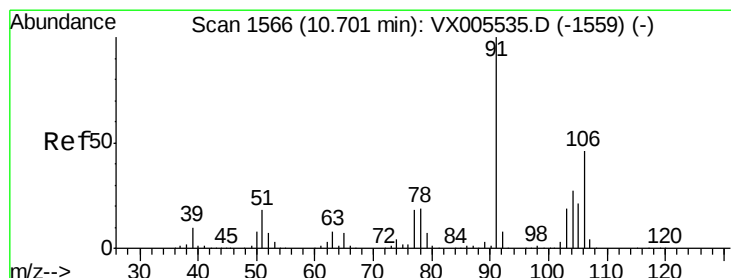
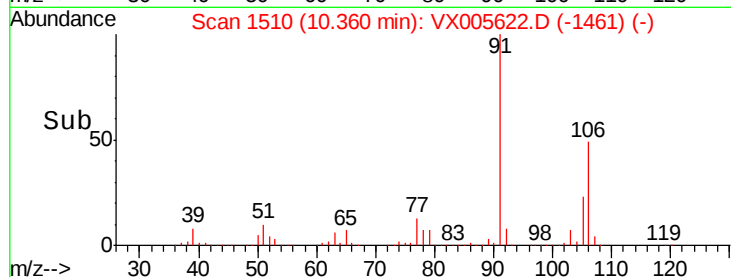
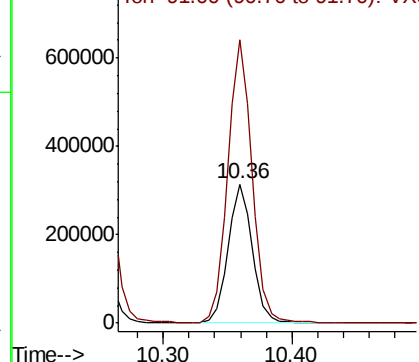
#68
m/p-Xylenes
Concen: 99.737 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion:106 Resp: 415997
Ion Ratio Lower Upper
106 100
91 205.6 164.2 246.4

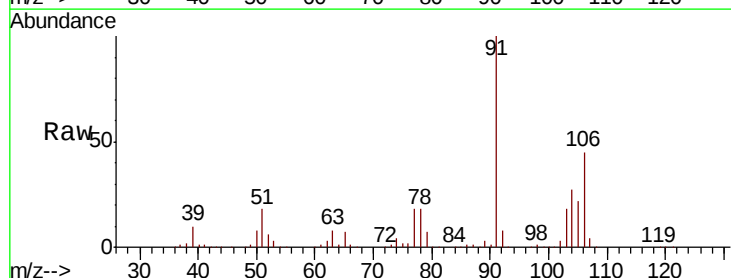


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

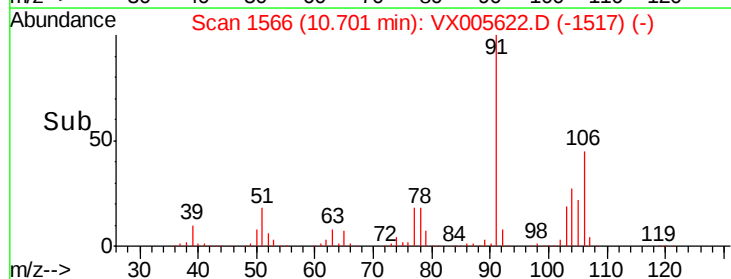
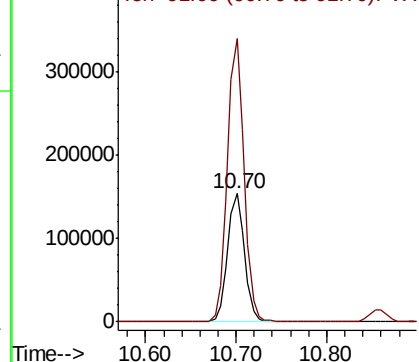


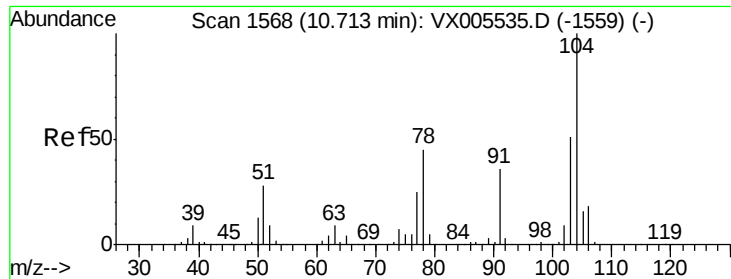
#69
o-Xylene
Concen: 51.175 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion:106 Resp: 200816
Ion Ratio Lower Upper
106 100
91 218.1 108.5 325.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

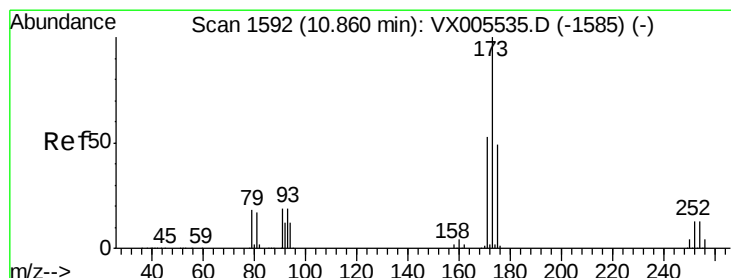
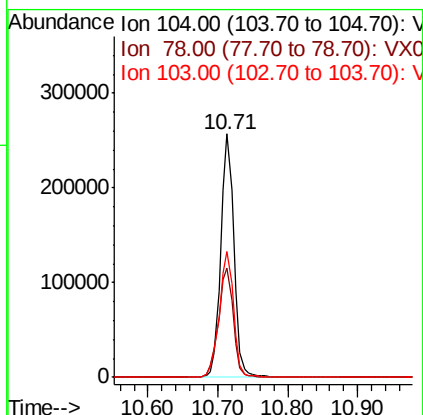
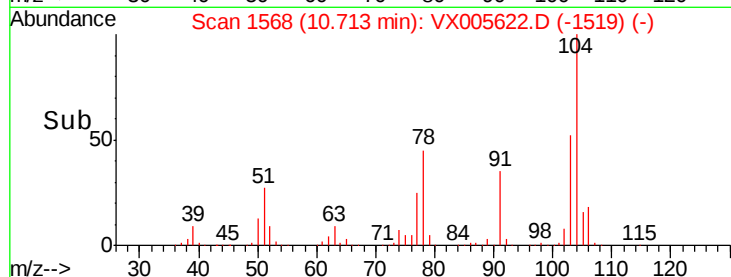
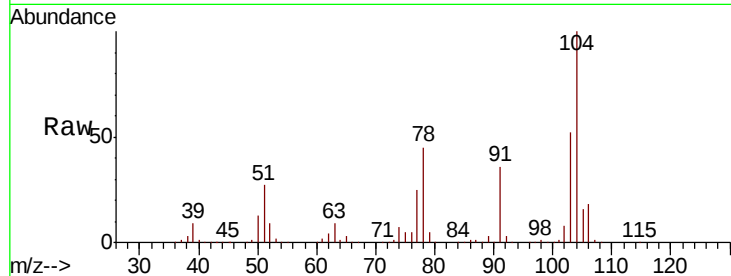




#70
Stvrene
Concen: 51.210 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

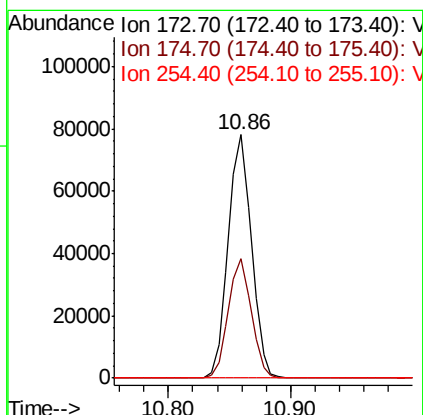
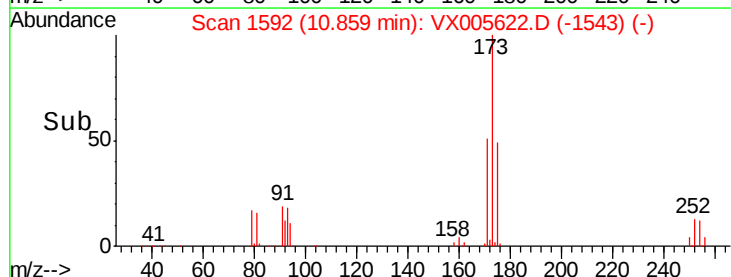
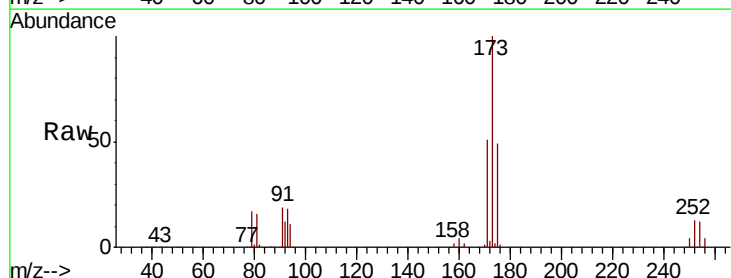
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

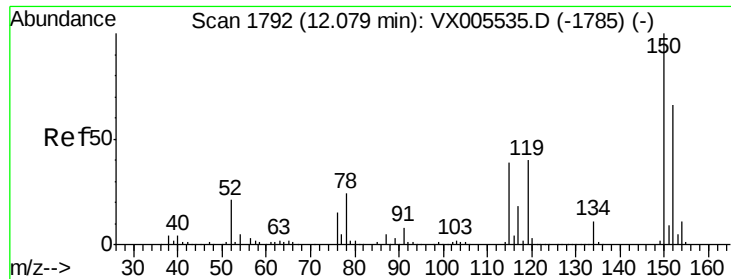
Tot Ion:104 Resp: 336404
Ion Ratio Lower Upper
104 100
78 50.7 40.2 60.4
103 56.2 44.9 67.3



#71
Bromoform
Concen: 48.417 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion:173 Resp: 102938
Ion Ratio Lower Upper
173 100
175 48.6 24.8 74.3
254 0.2 0.2 0.2



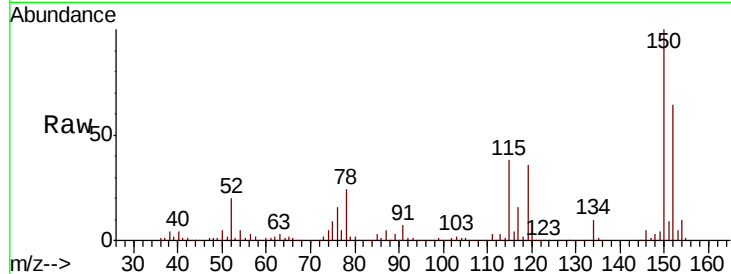


#72

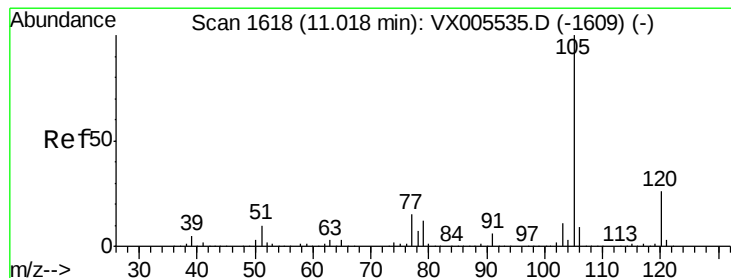
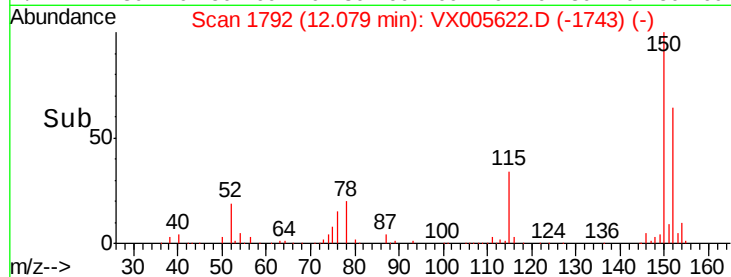
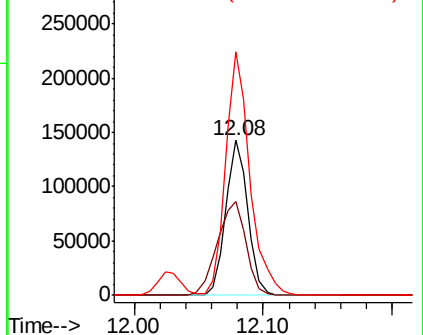
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

Tot Ion:152 Resp: 172097
Ion Ratio Lower Upper
152 100
115 78.0 39.4 118.1
150 172.1 0.0 346.4



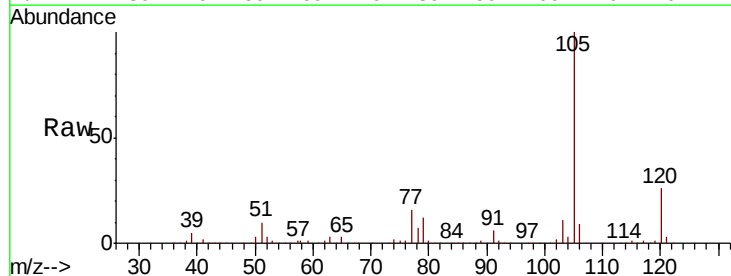
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



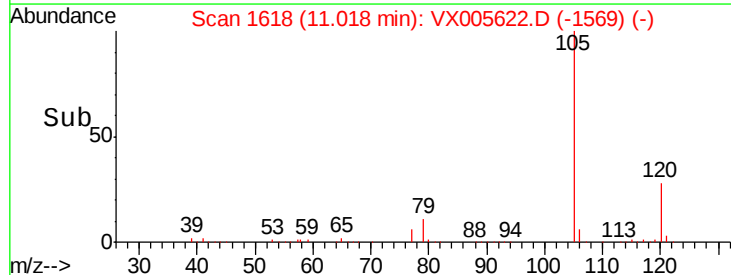
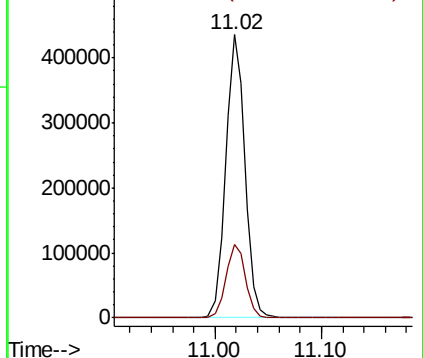
#73

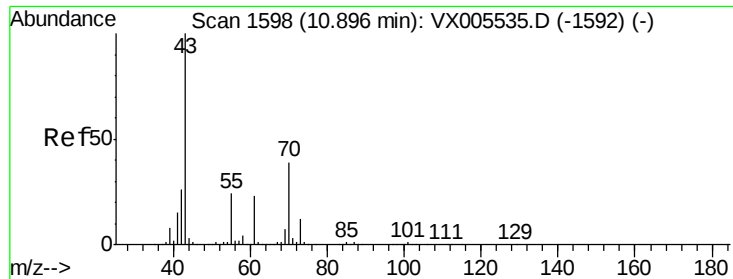
Isopropylbenzene
Concen: 52.163 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion:105 Resp: 548750
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 48.665 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.01 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion: 43 Resp: 253674

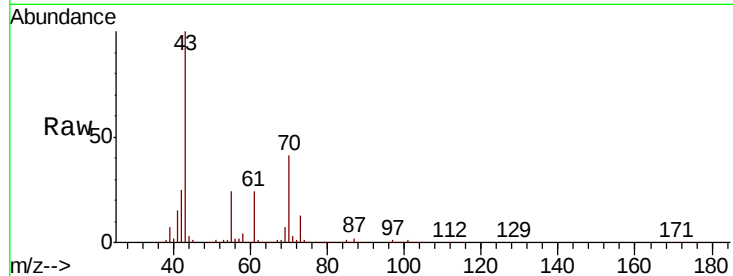
Ion Ratio Lower Upper

43 100

70 40.2 31.6 47.4

55 24.3 19.7 29.5

61 23.4 18.3 27.5



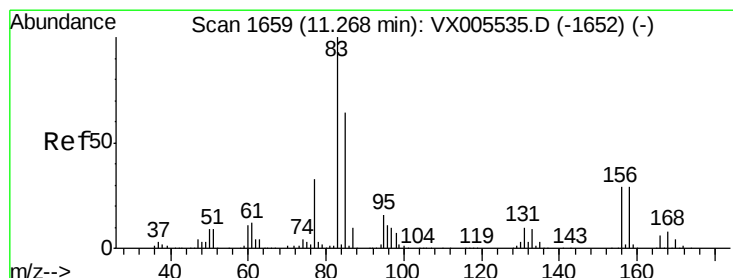
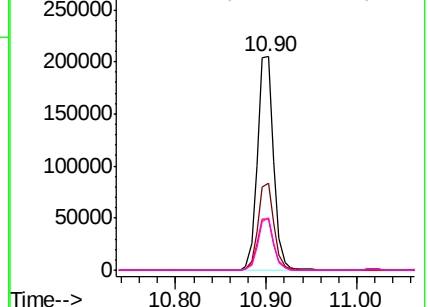
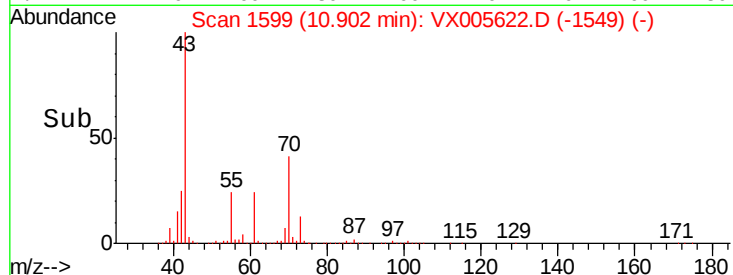
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 49.066 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

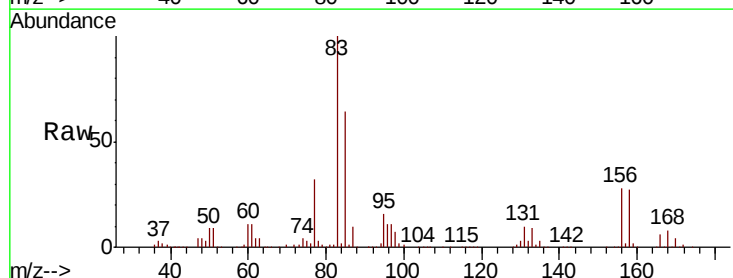
Tgt Ion: 83 Resp: 190431

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

85 64.4 32.0 96.2

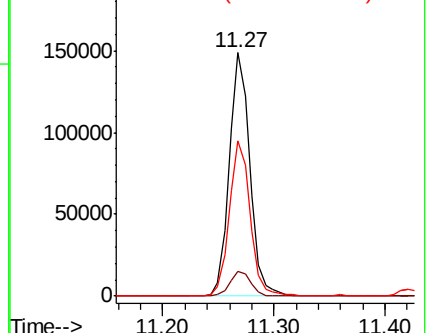
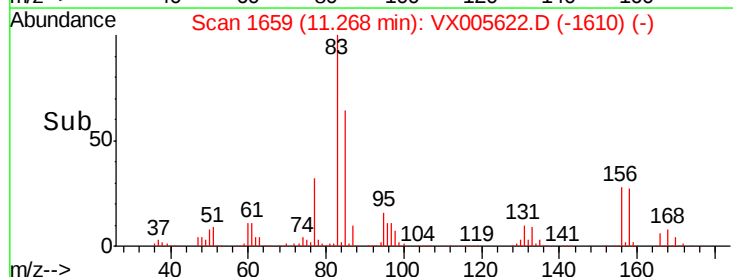


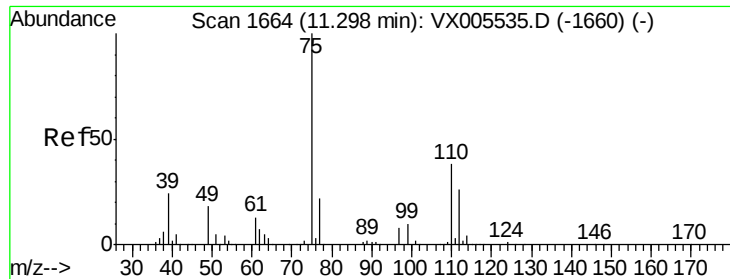
Abundance

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: 59.200 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

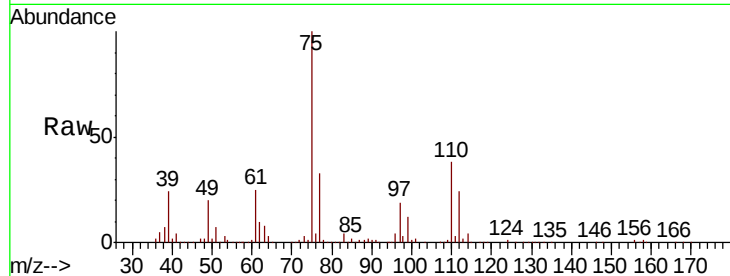
DL-SW-01MS

Tot Ion: 75 Resp: 215864

Ion Ratio Lower Upper

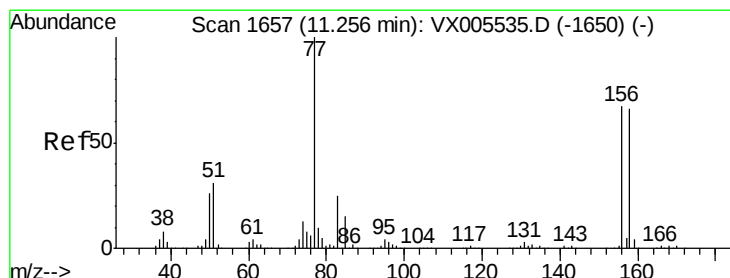
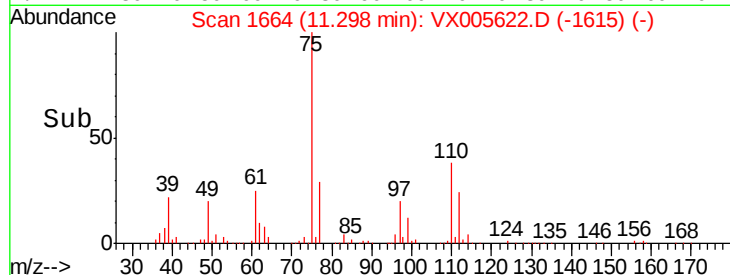
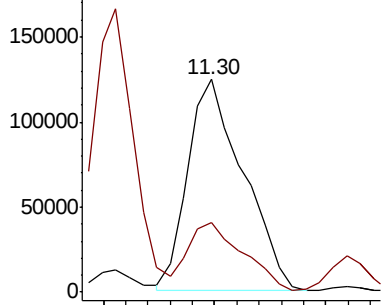
75 100

77 32.7 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: 50.137 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

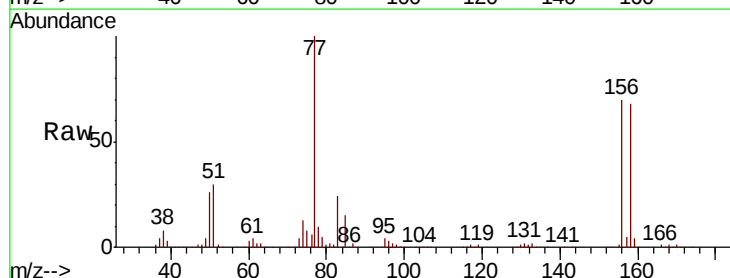
Tgt Ion: 156 Resp: 146992

Ion Ratio Lower Upper

156 100

77 146.7 74.8 224.4

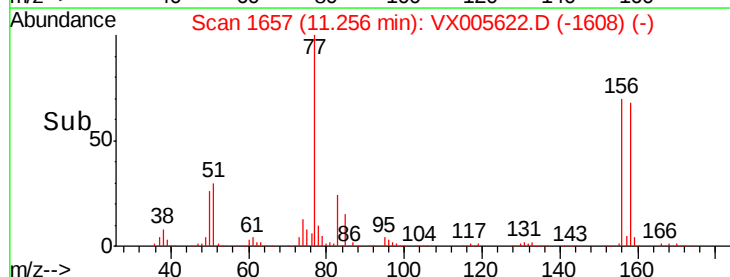
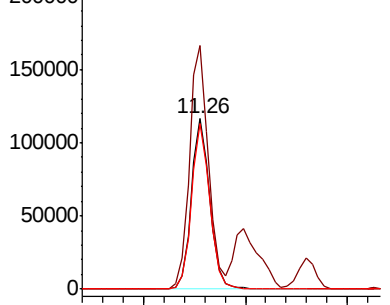
158 96.4 49.1 147.3

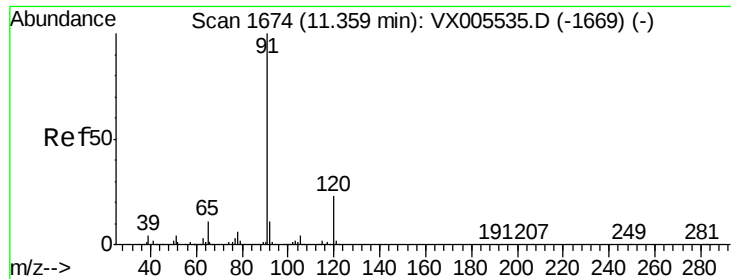


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 51.892 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

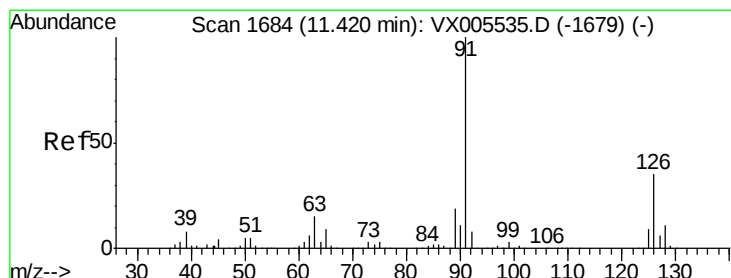
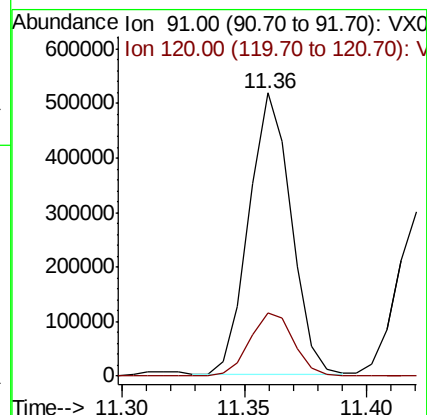
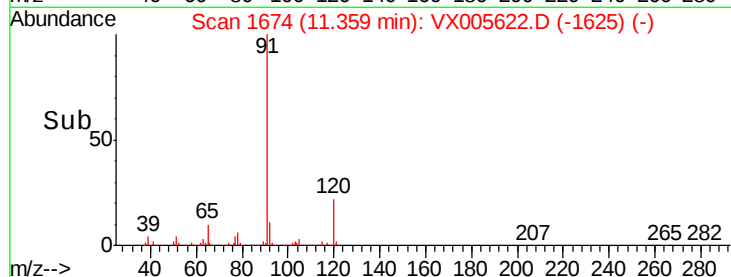
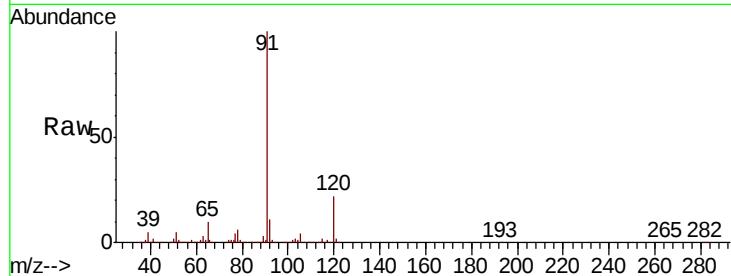
DL-SW-01MS

Tot Ion: 91 Resp: 624223

Ion Ratio Lower Upper

91 100

120 23.7 11.9 35.5



#79

2-Chlorotoluene

Concen: 50.132 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX005622.D

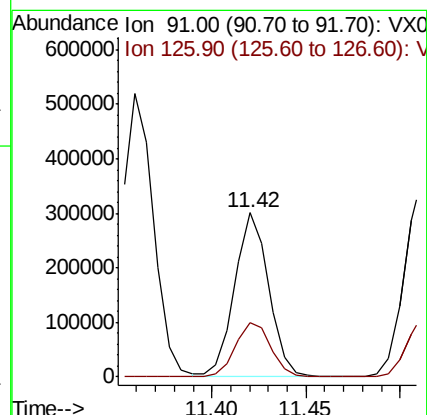
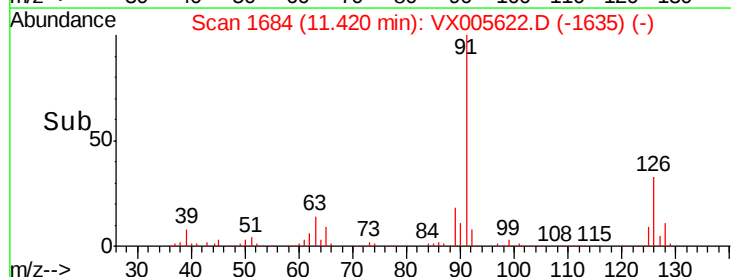
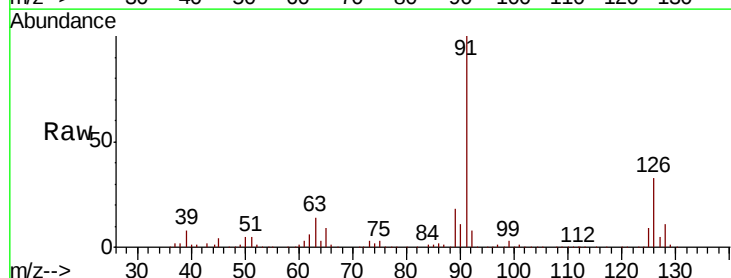
Acq: 26 Oct 2018 22:55

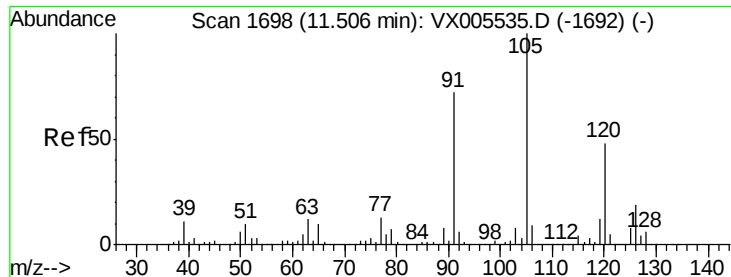
Tgt Ion: 91 Resp: 373906

Ion Ratio Lower Upper

91 100

126 34.9 17.3 52.0

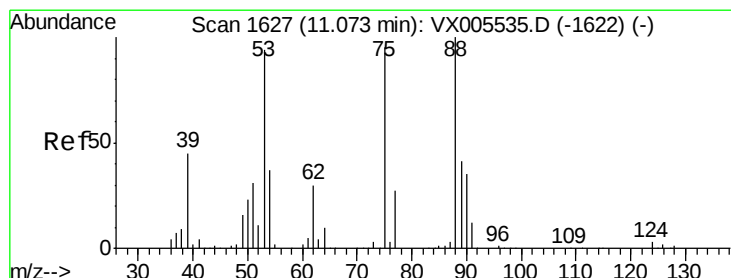
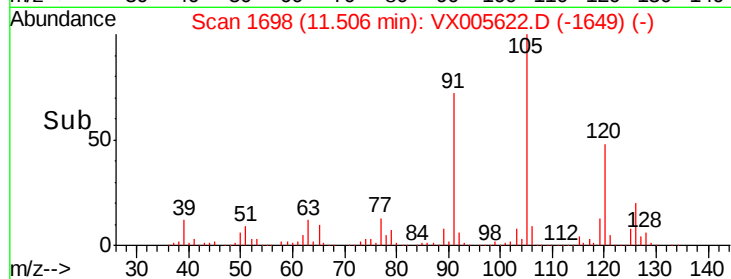
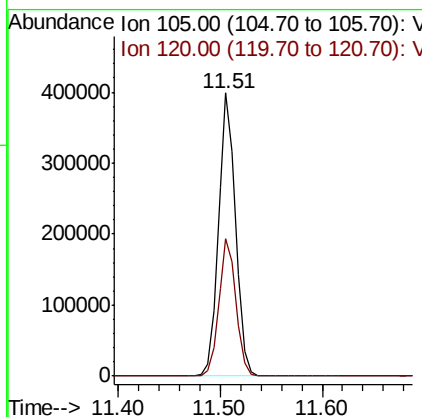
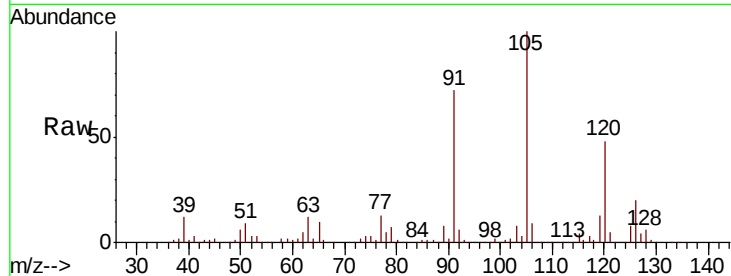




#80
 1,3,5-Trimethylbenzene
 Concen: 51.951 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

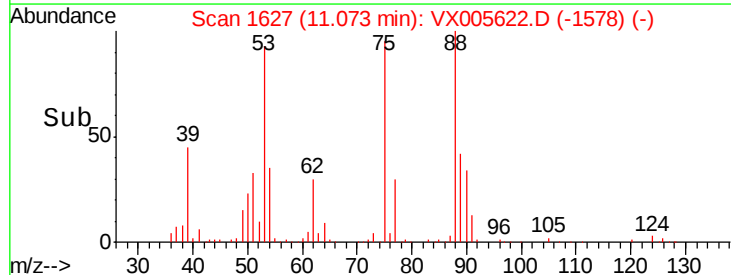
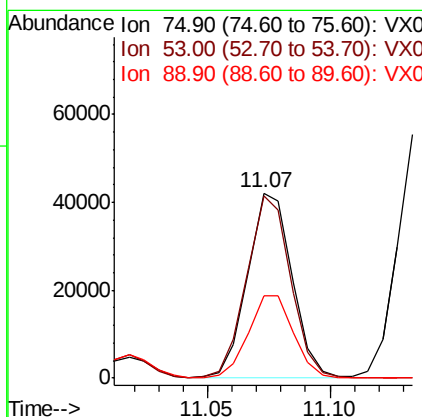
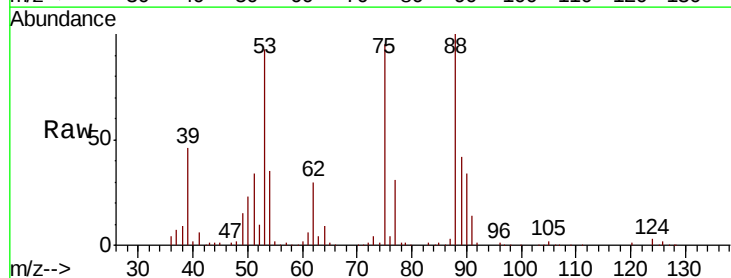
Instrument :
 MSVOA_X
 ClientSampled :
 DL-SW-01MS

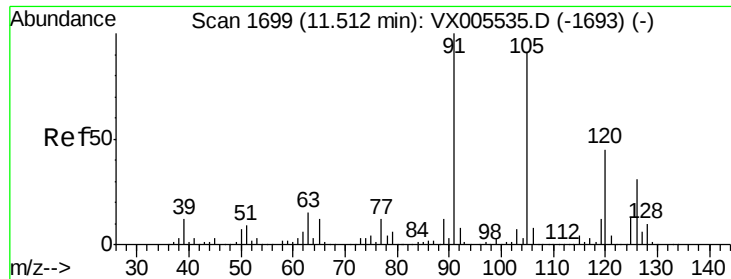
Tot Ion:105 Resp: 467529
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 47.490 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion: 75 Resp: 52996
 Ion Ratio Lower Upper
 75 100
 53 98.1 80.2 120.2
 89 46.0 39.8 59.8

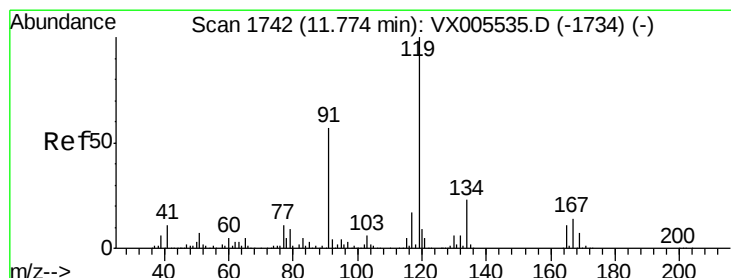
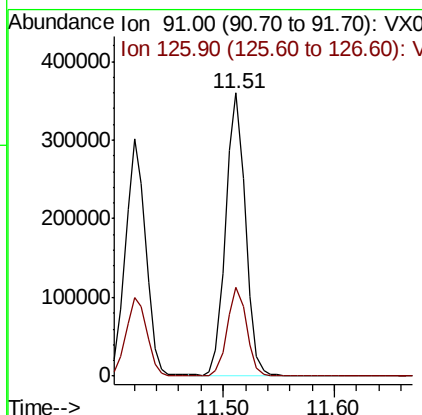
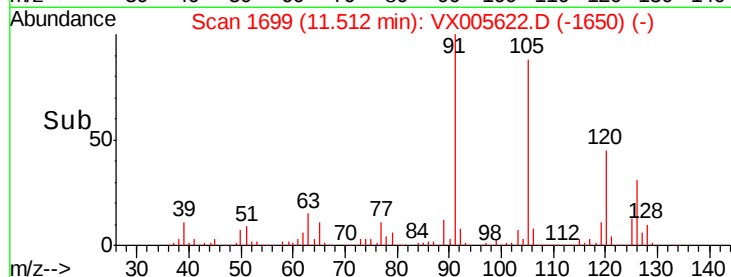
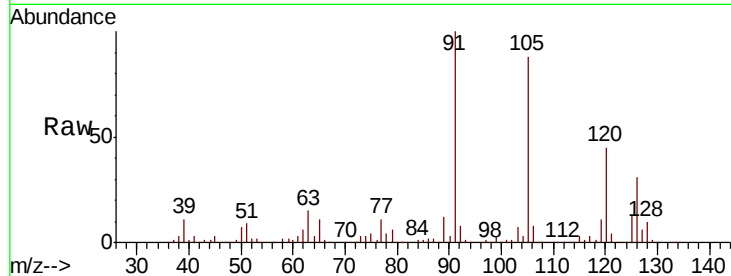




#82
4-Chlorotoluene
Concen: 50.298 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

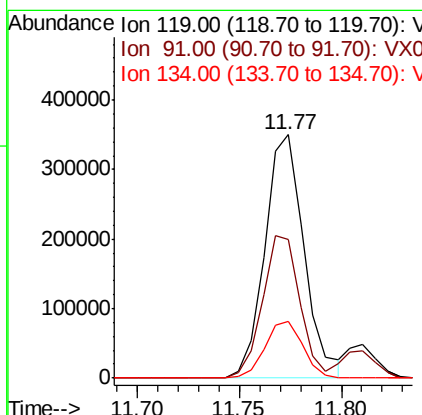
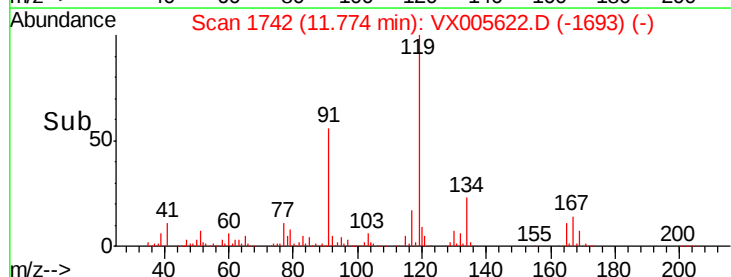
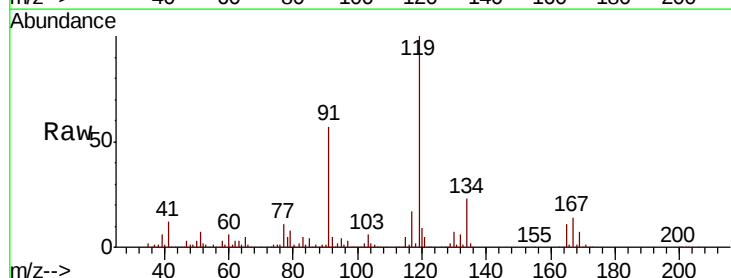
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

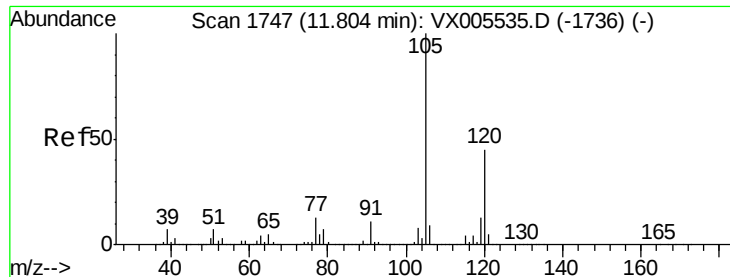
Tot Ion: 91 Resp: 442360
Ion Ratio Lower Upper
91 100
126 30.8 15.2 45.6



#83
tert-Butylbenzene
Concen: 52.392 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion: 119 Resp: 469983
Ion Ratio Lower Upper
119 100
91 56.0 28.5 85.5
134 22.6 11.3 33.8

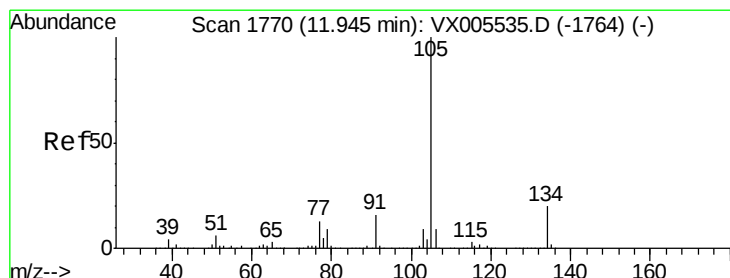
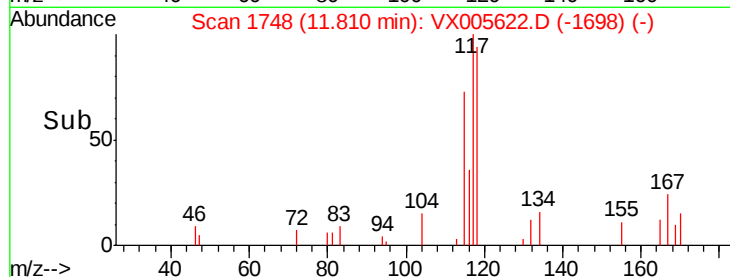
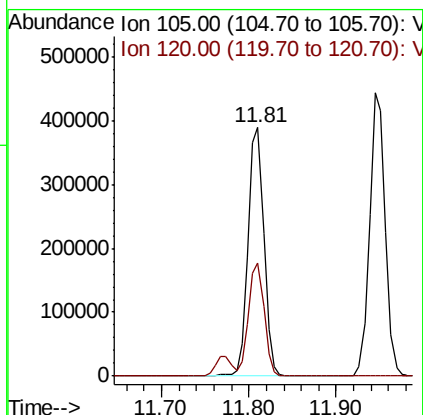
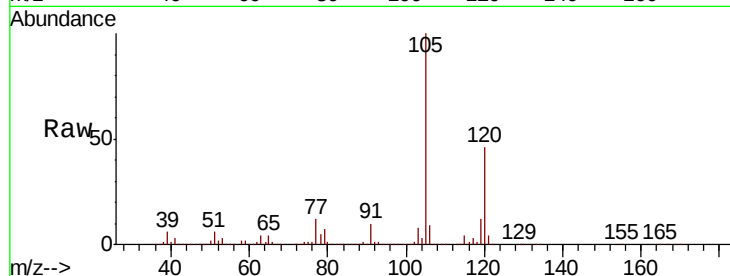




#84
 1,2,4-Trimethylbenzene
 Concen: 53.200 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

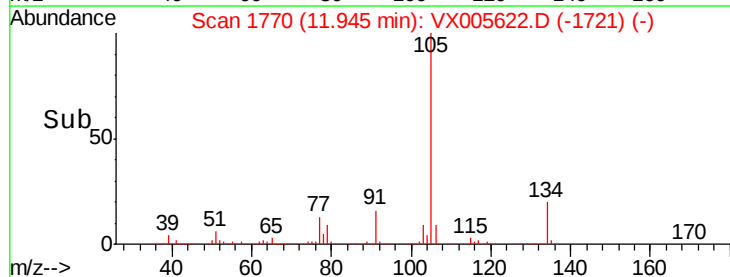
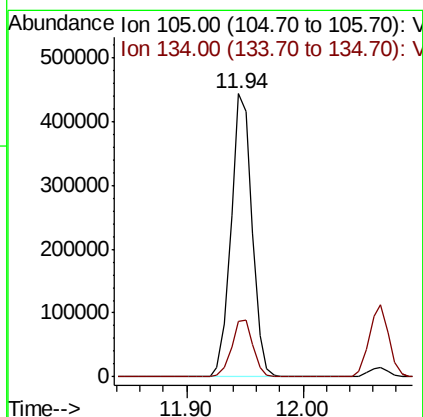
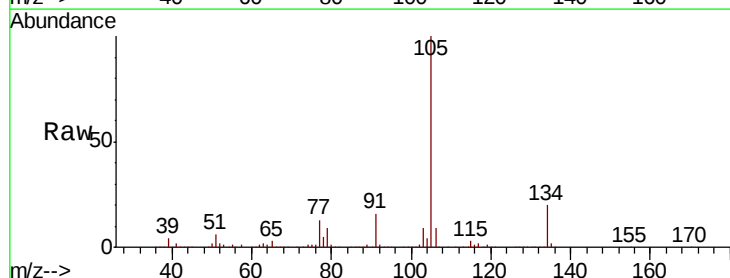
Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

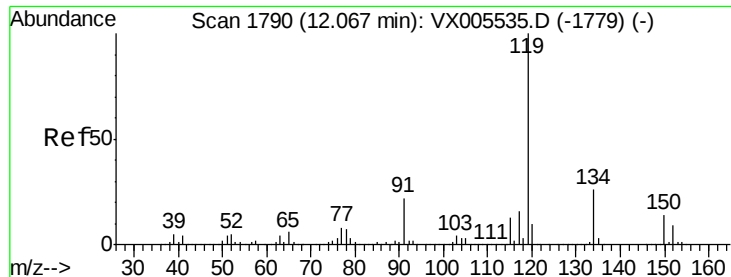
Tot Ion:105 Resp: 485223
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.0



#85
 sec-Butylbenzene
 Concen: 51.968 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Tgt Ion:105 Resp: 556270
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4

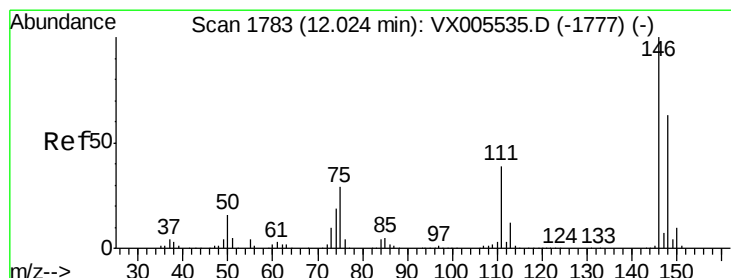
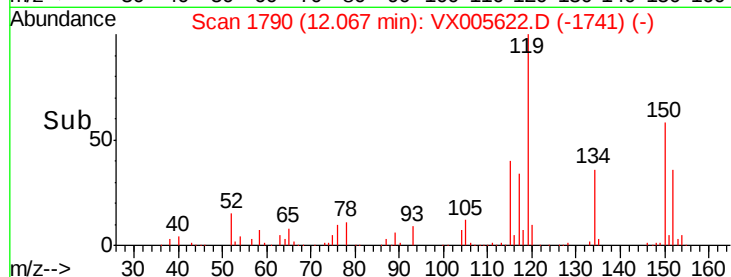
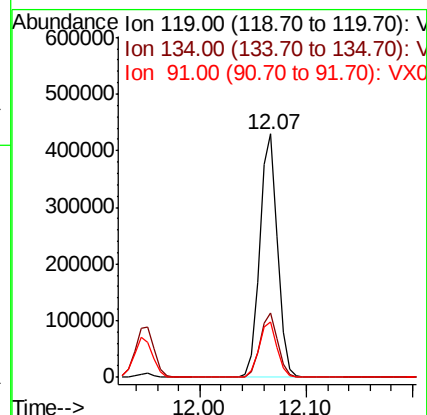
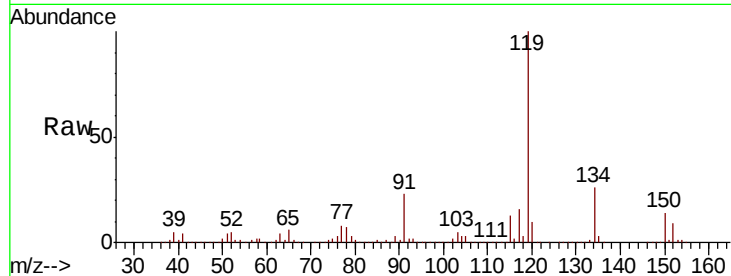




#86
p-Isopropyltoluene
Concen: 52.411 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

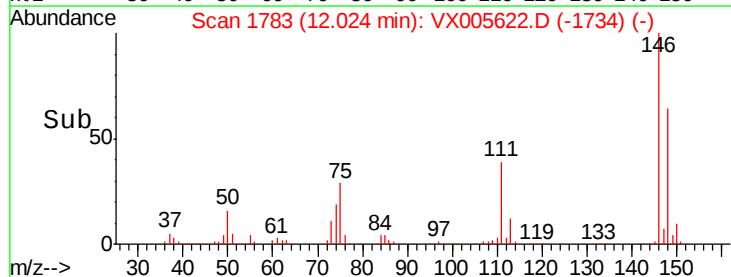
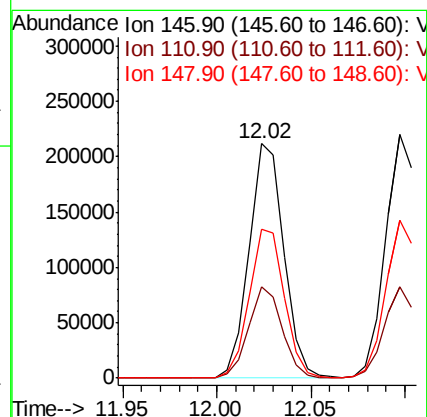
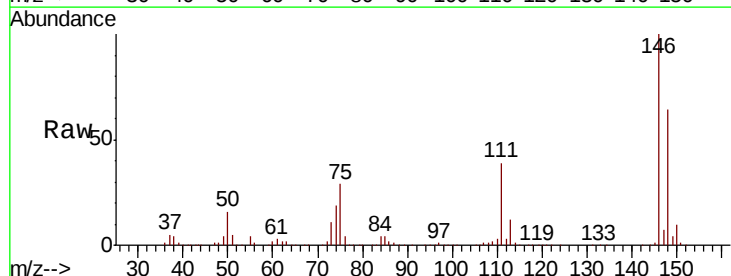
Instrument :
MSVOA_X
ClientSampleId :
DL-SW-01MS

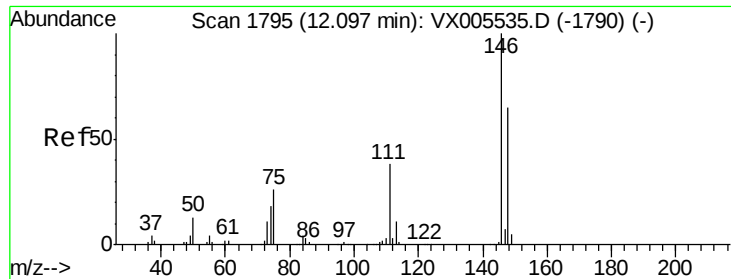
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.0	39.0
91	23.3	11.4	34.2



#87
1,3-Dichlorobenzene
Concen: 49.084 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX005622.D
Acq: 26 Oct 2018 22:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.0	57.0
148	64.3	31.9	95.9





#88

1,4-Dichlorobenzene

Concen: 47.640 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

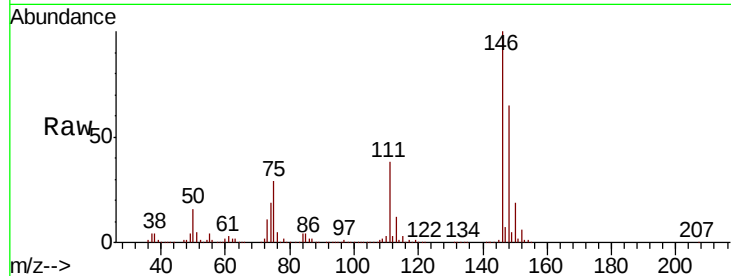
Tot Ion:146 Resp: 274159

Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.8

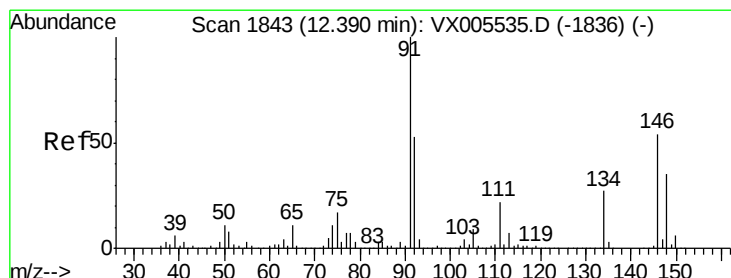
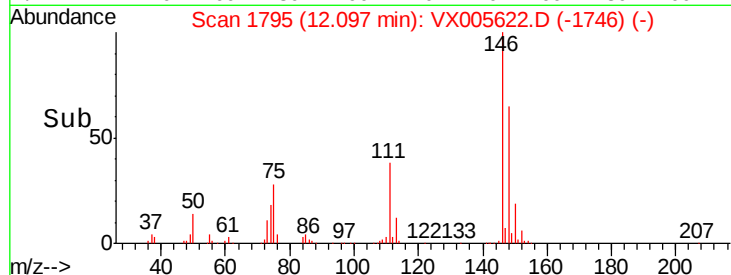
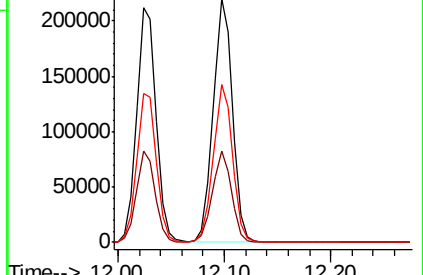
148 64.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 50.710 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

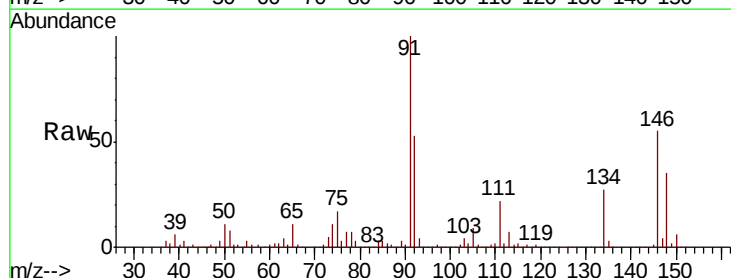
Tgt Ion: 91 Resp: 438062

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

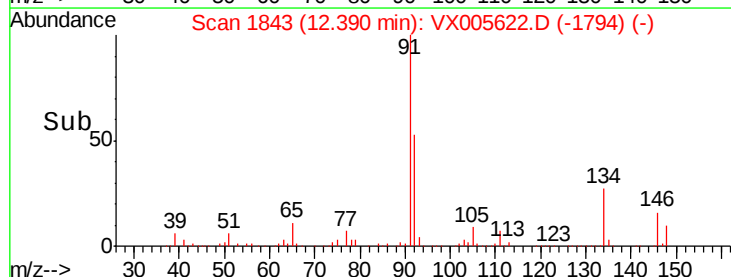
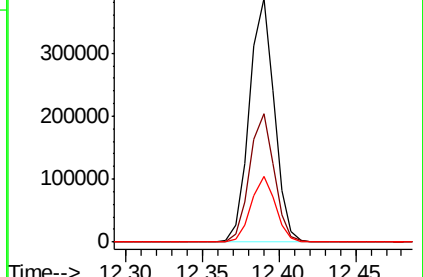
134 26.5 13.1 39.3

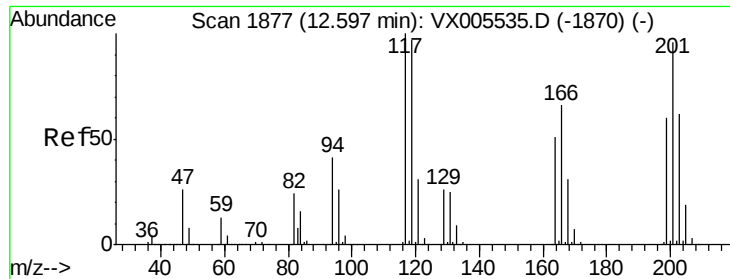


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 51.107 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

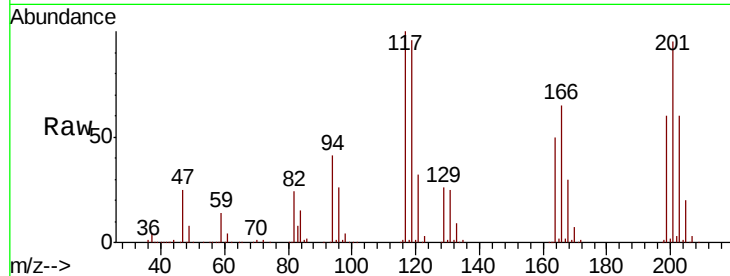
DL-SW-01MS

Tot Ion:117 Resp: 84345

Ion Ratio Lower Upper

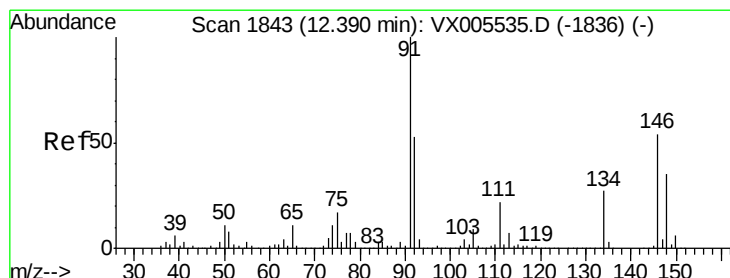
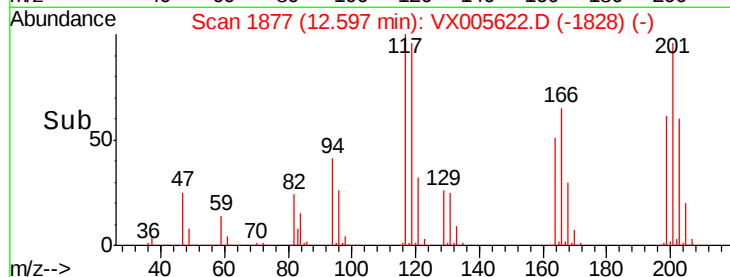
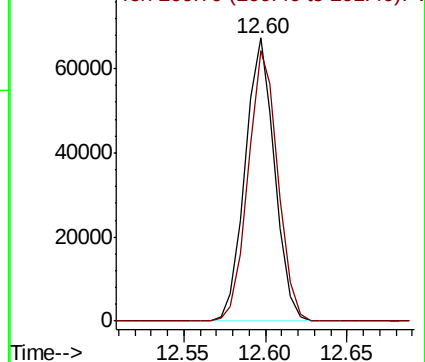
117 100

201 96.7 47.9 143.6



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 48.964 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

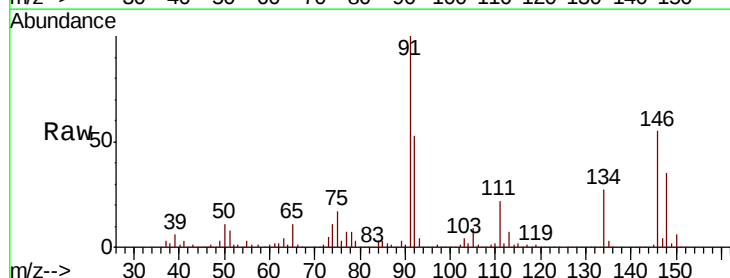
Tgt Ion:146 Resp: 273118

Ion Ratio Lower Upper

146 100

111 39.3 20.0 59.9

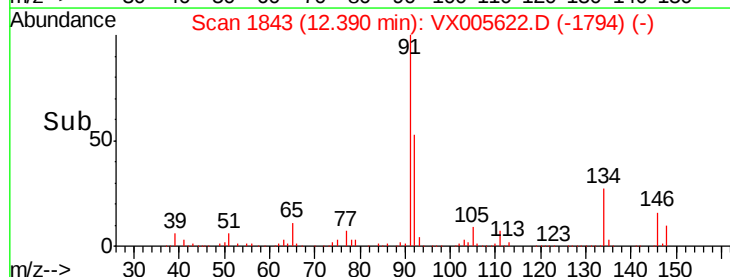
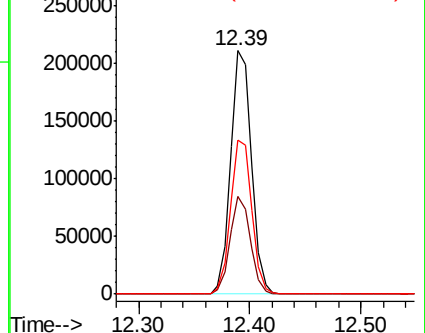
148 64.5 32.2 96.6

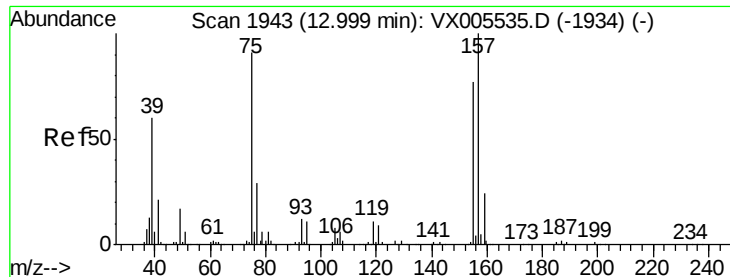


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 49.181 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

MSVOA_X

ClientSampleId :

DL-SW-01MS

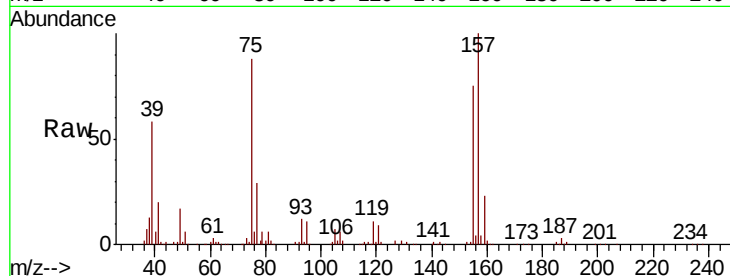
Tot Ion: 75 Resp: 46153

Ion	Ratio	Lower	Upper
75	100		
155	94.3	45.4	136.1
157	118.7	57.4	172.0

75 100

155 94.3 45.4 136.1

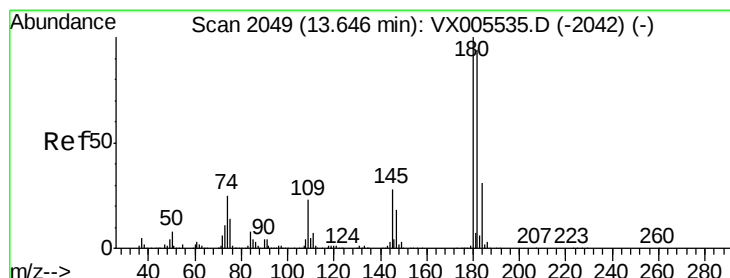
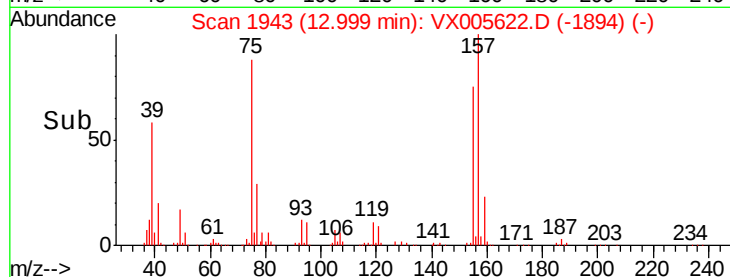
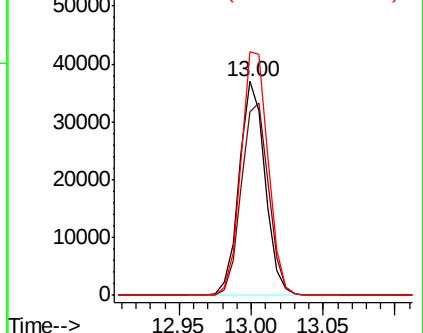
157 118.7 57.4 172.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 50.372 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

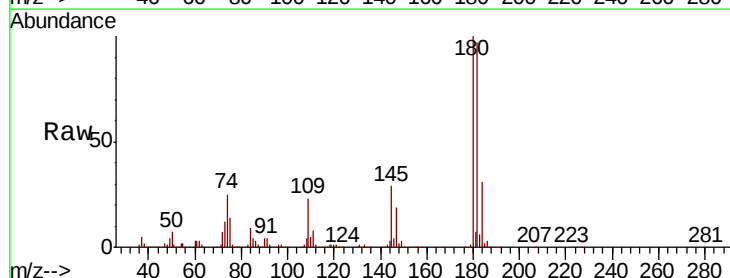
Tgt Ion:180 Resp: 203673

Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.6	142.8
145	28.2	14.1	42.2

180 100

182 95.6 47.6 142.8

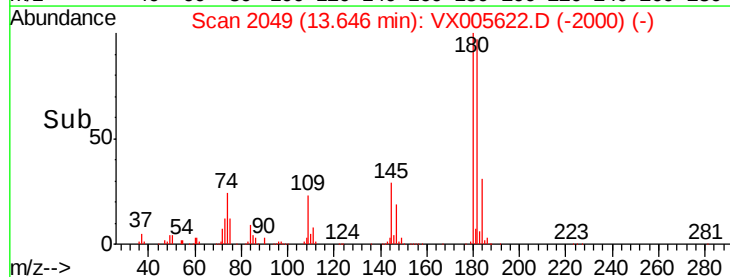
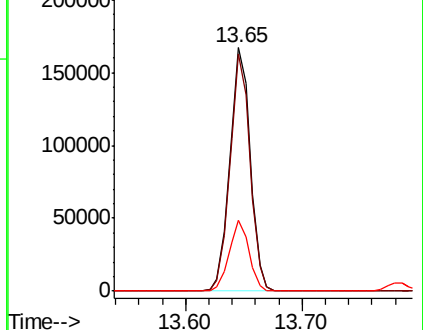
145 28.2 14.1 42.2

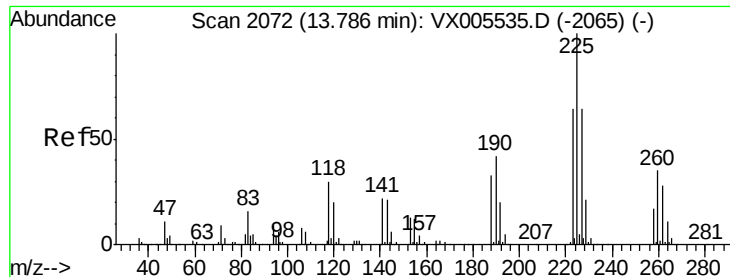


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 46.407 ug/l

RT: 13.79 min Scan# 2072

Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Instrument :

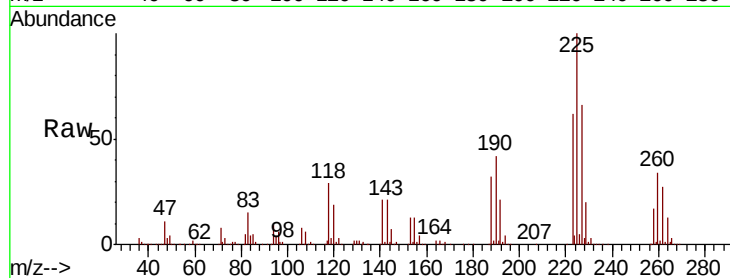
MSVOA_X

ClientSampleId :

DL-SW-01MS

Tot Ion:225 Resp: 97240

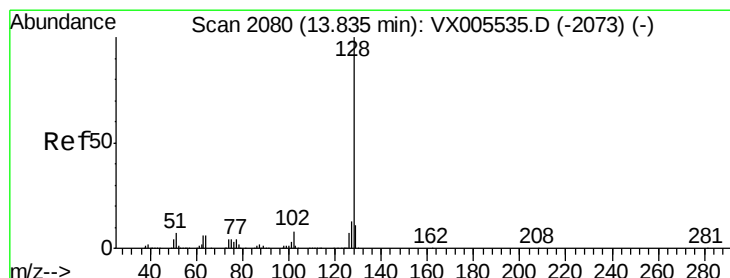
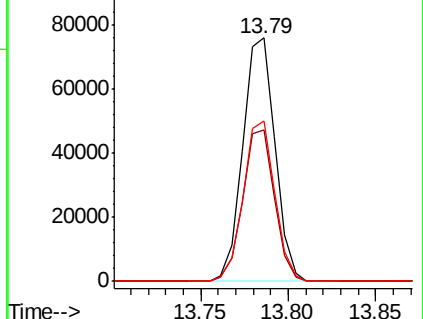
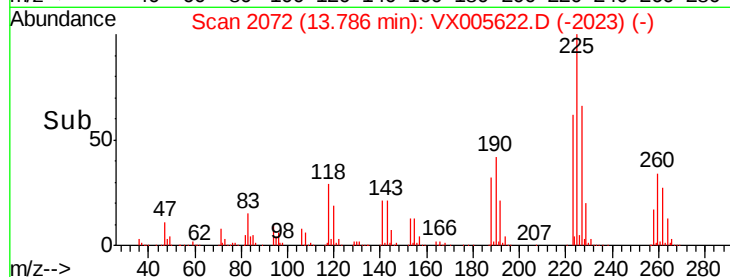
Ion	Ratio	Lower	Upper
225	100		
223	61.4	31.7	95.1
227	64.3	32.3	96.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 54.630 ug/l

RT: 13.83 min Scan# 2080

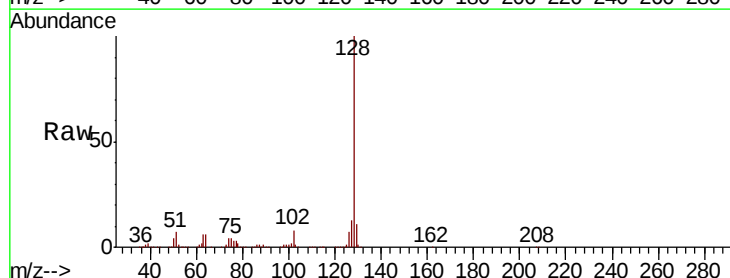
Delta R.T. -0.00 min

Lab File: VX005622.D

Acq: 26 Oct 2018 22:55

Tgt Ion:128 Resp: 642080

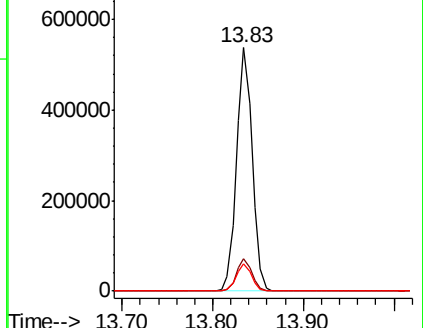
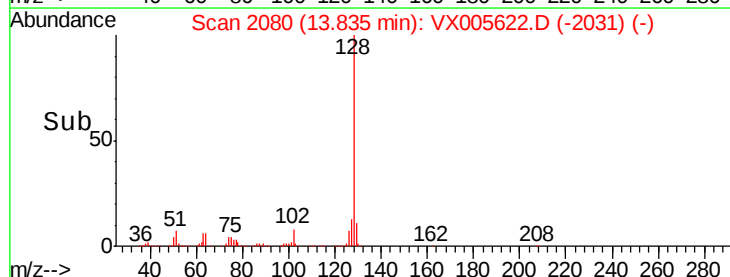
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.7	13.1

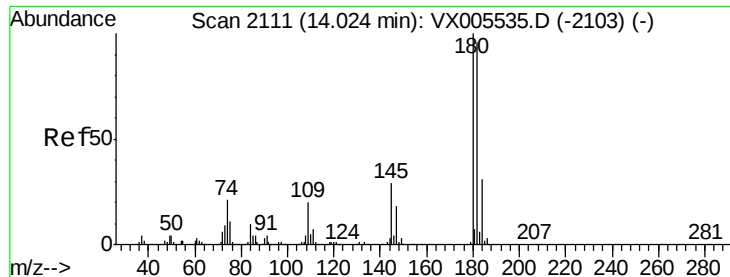


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

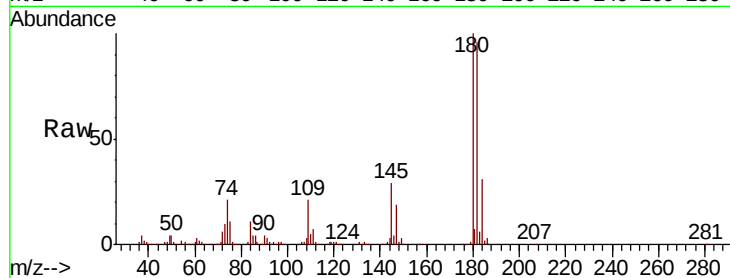




#96
 1,2,3-Trichlorobenzene
 Concen: 51.158 ug/l
 RT: 14.02 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VX005622.D
 Acq: 26 Oct 2018 22:55

Instrument :
 MSVOA_X
 ClientSampleId :
 DL-SW-01MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	48.0	144.2
145	29.8	15.1	45.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

