

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012219\
 Data File : VX007191.D
 Acq On : 22 Jan 2019 19:28
 Operator : JC/SP
 Sample : K1215-04MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

Quant Time: Jan 23 00:07:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	446266	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	663951	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	624670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	327075	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	239937	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
35) Dibromofluoromethane	5.51	113	221694	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
50) Toluene-d8	8.71	98	808113	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.13	95	295263	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	172442	47.055	ug/l	98
3) Chloromethane	1.32	50	202268	47.411	ug/l	98
4) Vinyl Chloride	1.41	62	216871	47.257	ug/l	100
5) Bromomethane	1.64	94	222206	45.320	ug/l	99
6) Chloroethane	1.71	64	149656	46.704	ug/l	96
7) Trichlorofluoromethane	1.93	101	352087	47.483	ug/l	98
8) Diethyl Ether	2.19	74	142024	48.143	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	208700	47.012	ug/l	100
10) Methyl Iodide	2.51	142	325277	54.319	ug/l	100
11) Tert butyl alcohol	3.08	59	273987	249.040	ug/l	100
12) 1,1-Dichloroethene	2.37	96	194362	47.388	ug/l	98
13) Acrolein	2.29	56	159761	335.633	ug/l	97
14) Allyl chloride	2.73	41	340378	48.423	ug/l	98
15) Acrylonitrile	3.15	53	636494	252.017	ug/l	99
16) Acetone	2.45	43	536150	232.536	ug/l	99
17) Carbon Disulfide	2.57	76	421268	39.894	ug/l	99
18) Methyl Acetate	2.78	43	330286	49.466	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	703624	49.426	ug/l	98
20) Methylene Chloride	2.85	84	226902	51.760	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	206826	45.250	ug/l	97
22) Diisopropyl ether	3.87	45	655560	49.608	ug/l	98
23) Vinyl Acetate	3.82	43	2585503	232.000	ug/l	99
24) 1,1-Dichloroethane	3.70	63	362597	49.071	ug/l	99
25) 2-Butanone	4.70	43	822205	249.223	ug/l	98
26) 2,2-Dichloropropane	4.59	77	239823	42.207	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	240537	47.711	ug/l	100
28) Bromochloromethane	5.02	49	167262	51.664	ug/l	95
29) Tetrahydrofuran	5.15	42	524877	244.814	ug/l	98
30) Chloroform	5.21	83	387199	50.048	ug/l	100
31) Cyclohexane	5.57	56	299766	45.580	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	327125	49.885	ug/l	98
36) 1,1-Dichloropropene	5.80	75	267612	46.360	ug/l	100
37) Ethyl Acetate	4.85	43	292726	47.300	ug/l	98
38) Carbon Tetrachloride	5.78	117	281443	48.459	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	322767	43.860	ug/l	97
40) Benzene	6.14	78	854012	48.486	ug/l	99
41) Methacrylonitrile	5.06	41	170026	47.691	ug/l	99
42) 1,2-Dichloroethane	6.20	62	293960	48.296	ug/l	99
43) Isopropyl Acetate	6.46	43	476981	48.862	ug/l	98
44) Trichloroethene	7.21	130	246459	46.694	ug/l	97
45) 1,2-Dichloropropane	7.52	63	219330	49.531	ug/l	94
46) Dibromomethane	7.66	93	154042	49.498	ug/l	97
47) Bromodichloromethane	7.90	83	277509	52.387	ug/l	98
48) Methyl methacrylate	7.77	41	253472	50.563	ug/l	98
49) 1,4-Dioxane	7.75	88	115661	1010.385	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1637546	261.026	ug/l	99
52) Toluene	8.79	92	556718	49.176	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	302578	51.512	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	325980	50.252	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	242547	53.527	ug/l	98
56) Ethyl methacrylate	9.18	69	348623	52.701	ug/l	96
57) 1,3-Dichloropropane	9.37	76	379742	51.153	ug/l	100
59) 2-Hexanone	9.49	43	1235161	258.361	ug/l	100
60) Dibromochloromethane	9.59	129	246308	55.978	ug/l	97
61) 1,2-Dibromoethane	9.67	107	256874	51.493	ug/l	100
64) Tetrachloroethene	9.34	164	254456	47.050	ug/l	94
65) Chlorobenzene	10.14	112	656622	48.195	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	237628	51.847	ug/l	99
67) Ethyl Benzene	10.25	91	1077980	47.927	ug/l	99
68) m/p-Xylenes	10.36	106	854113	96.384	ug/l	99
69) o-Xylene	10.70	106	421245	48.742	ug/l	98
70) Styrene	10.71	104	680204	49.695	ug/l	100
71) Bromoform	10.86	173	183010	45.139	ug/l #	100
73) Isopropylbenzene	11.02	105	1123829	48.728	ug/l	98
74) N-amyl acetate	10.90	43	423613	45.619	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	352404	48.131	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	394489	59.518	ug/l	90
77) Bromobenzene	11.26	156	300834	47.339	ug/l	99
78) n-propylbenzene	11.36	91	1241263	49.026	ug/l	99
79) 2-Chlorotoluene	11.42	91	723779	47.490	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	913274	47.391	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	89827	41.588	ug/l	96
82) 4-Chlorotoluene	11.51	91	842706	47.755	ug/l	100
83) tert-Butylbenzene	11.77	119	910631	47.361	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	943437	48.684	ug/l	100
85) sec-Butylbenzene	11.94	105	1113000	48.470	ug/l	100
86) p-Isopropyltoluene	12.06	119	995004	48.443	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	541274	47.124	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	536365	49.287	ug/l	99
89) n-Butylbenzene	12.39	91	828342	47.309	ug/l	99
90) Hexachloroethane	12.60	117	153110	46.886	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	531336	46.875	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	72872	50.323	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	368634	47.402	ug/l	99

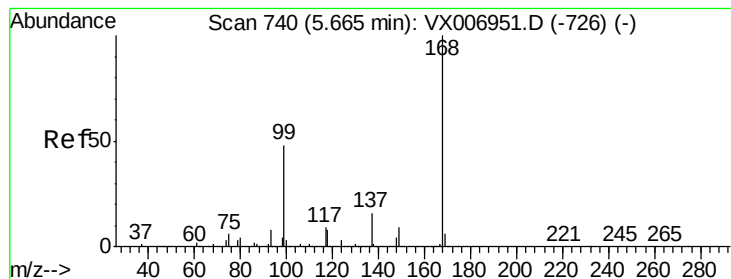
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	168907	48.943	ug/l	98
95) Naphthalene	13.83	128	1149447	48.777	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	366415	47.430	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

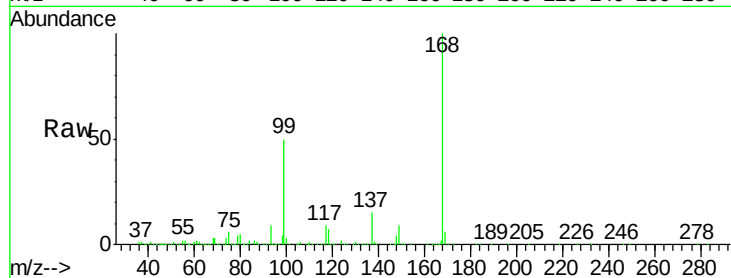
SA-TW524-2327MS

Tot Ion:168 Resp: 446266

Ion Ratio Lower Upper

168 100

99 49.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

150000

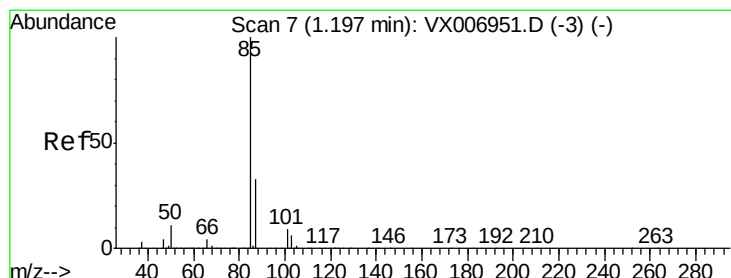
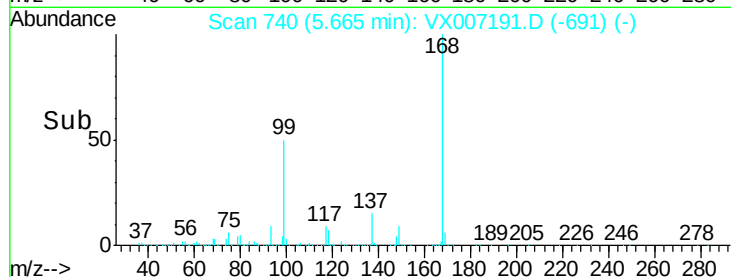
100000

50000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.055 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX007191.D

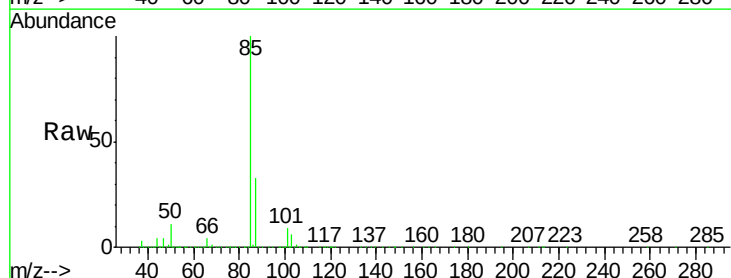
Acq: 22 Jan 2019 19:28

Tgt Ion: 85 Resp: 172442

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

200000

150000

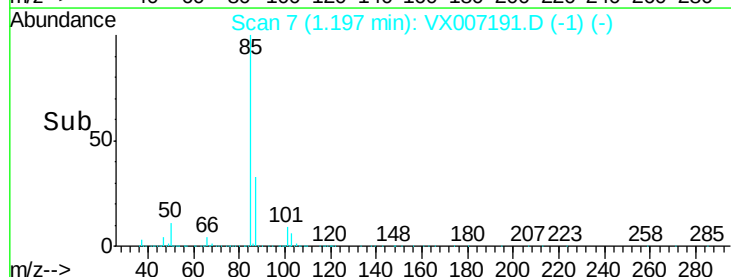
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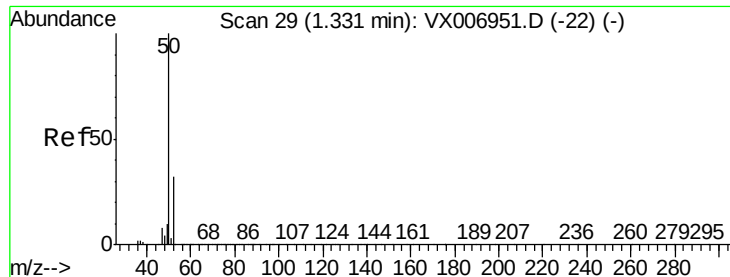
50000

0

1.15 1.20 1.25 1.30

Time-->

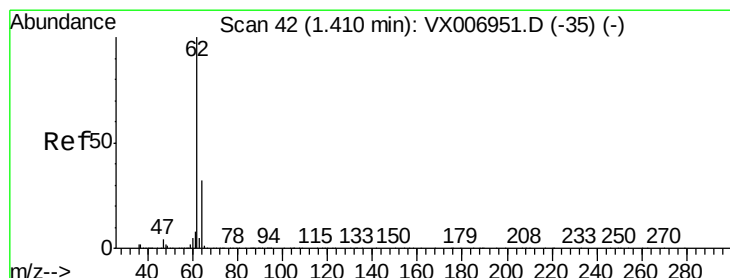
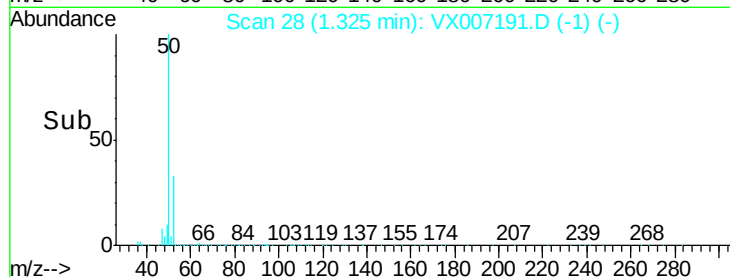
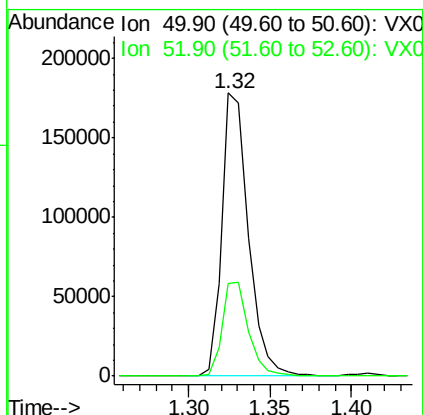
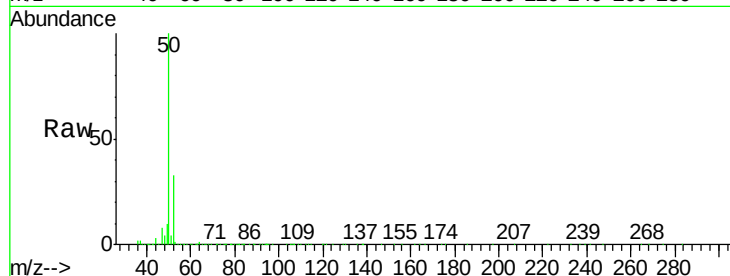




#3
Chloromethane
Concen: 47.411 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.01 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

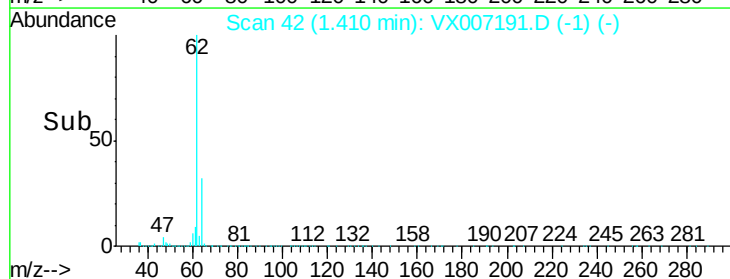
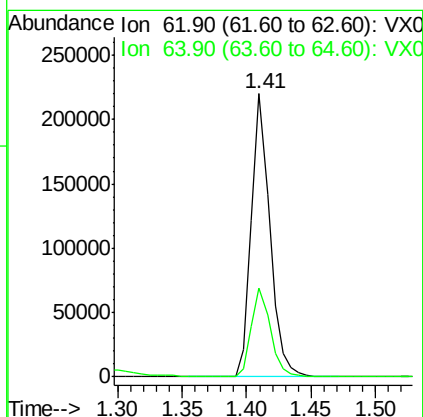
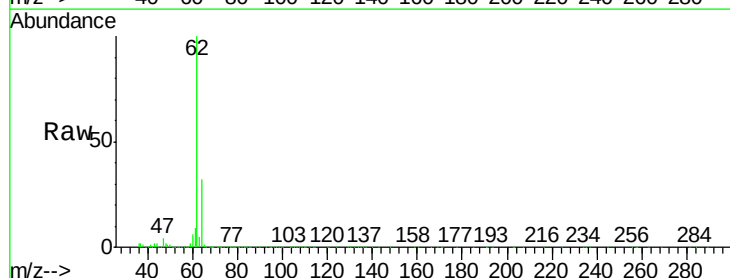
Instrument :
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ClientSampleId :
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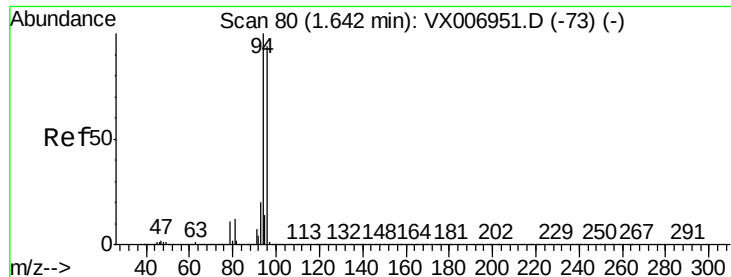
Tot Ion: 50 Resp: 202268
Ion Ratio Lower Upper
50 100
52 32.7 25.4 38.2



#4
Vinyl Chloride
Concen: 47.257 ug/l
RT: 1.41 min Scan# 42
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion: 62 Resp: 216871
Ion Ratio Lower Upper
62 100
64 31.4 25.1 37.7





#5

Bromomethane

Concen: 45.320 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

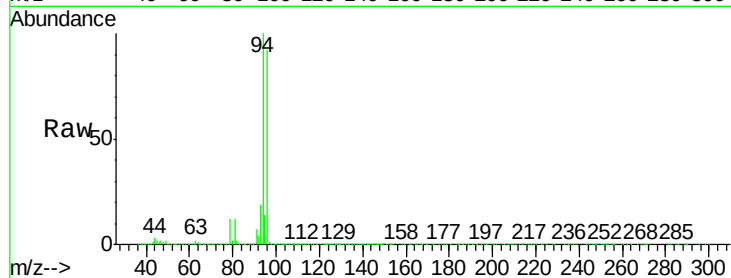
SA-TW524-2327MS

Tot Ion: 94 Resp: 222206

Ion Ratio Lower Upper

94 100

96 92.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250000

200000

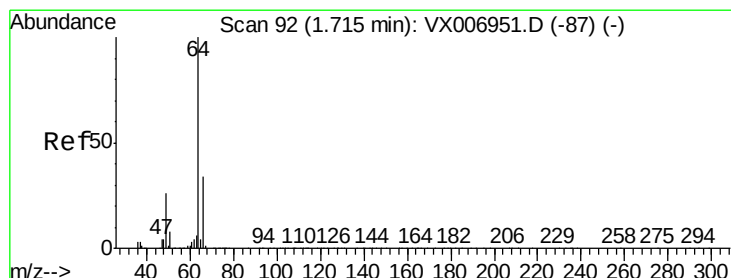
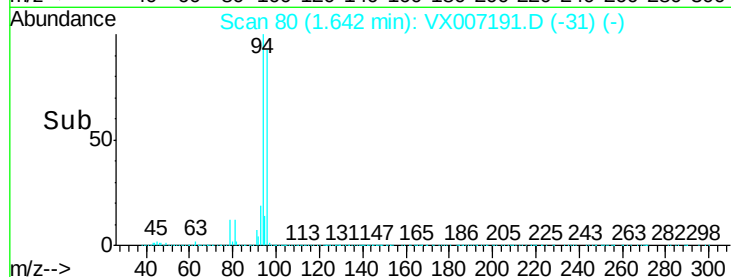
150000

100000

50000

0

Time--> 1.55 1.60 1.65 1.70 1.75



#6

Chloroethane

Concen: 46.704 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX007191.D

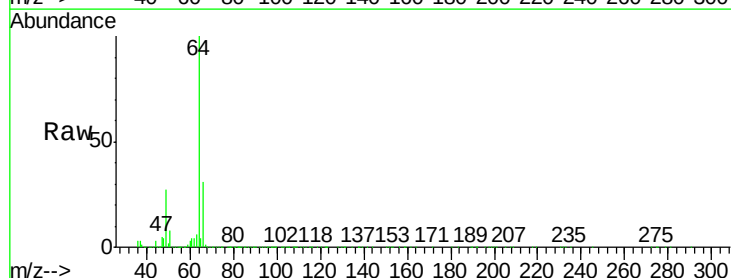
Acq: 22 Jan 2019 19:28

Tgt Ion: 64 Resp: 149656

Ion Ratio Lower Upper

64 100

66 31.0 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

120000

100000

80000

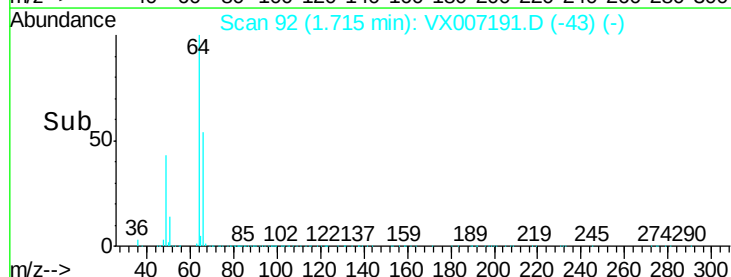
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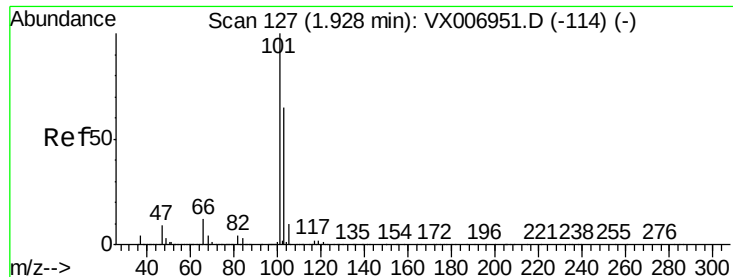
40000

20000

0

Time--> 1.60 1.70 1.80



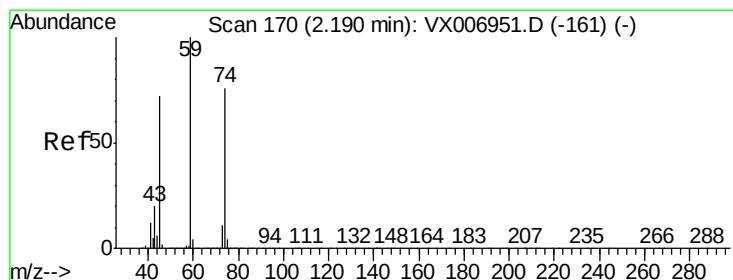
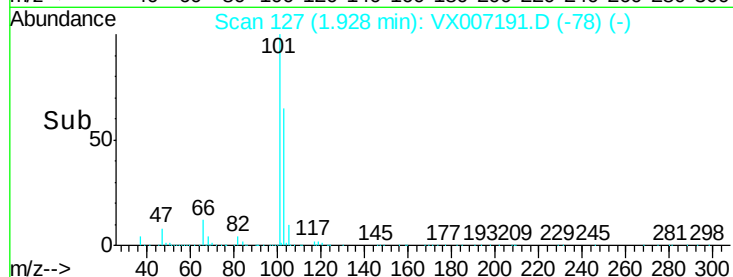
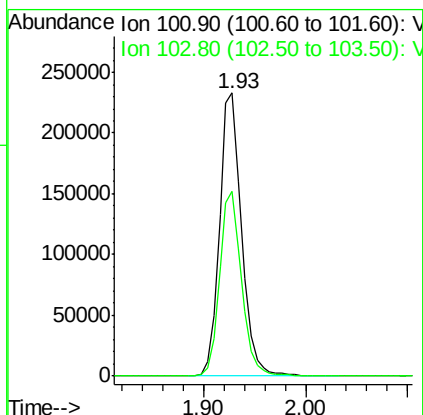
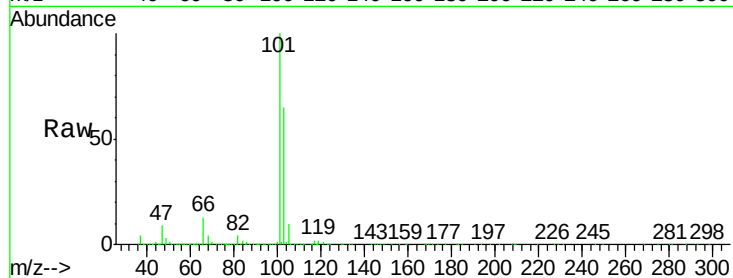


#7

Trichlorofluoromethane
Concen: 47.483 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX007191.D
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MSVOA_X
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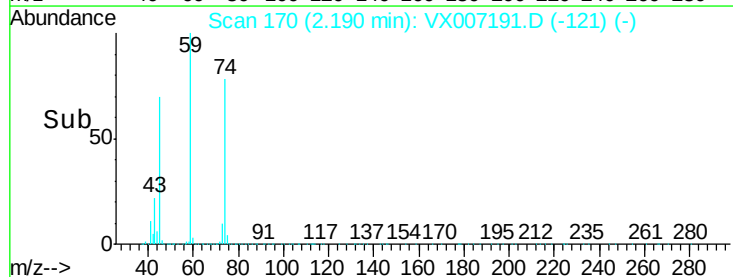
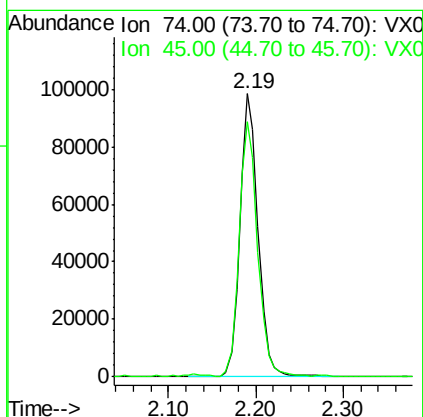
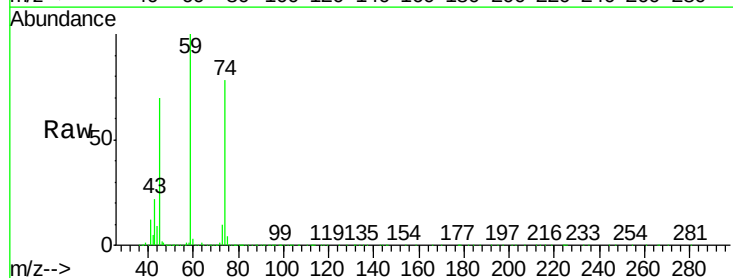
Tot Ion:101 Resp: 352087
Ion Ratio Lower Upper
101 100
103 65.1 53.2 79.8

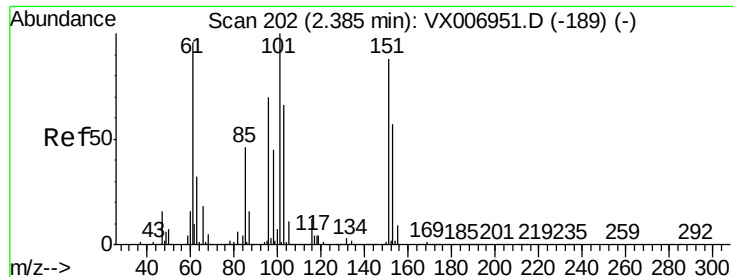


#8

Diethyl Ether
Concen: 48.143 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion: 74 Resp: 142024
Ion Ratio Lower Upper
74 100
45 91.3 46.3 138.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.012 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

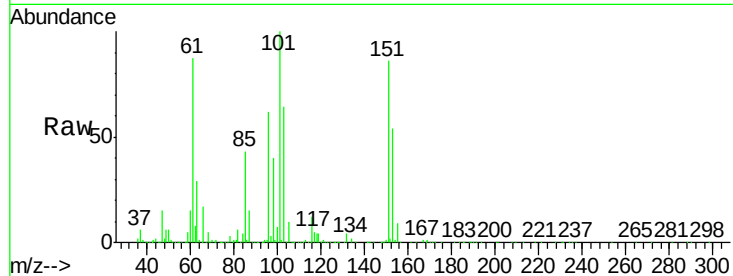
Tot Ion:101 Resp: 208700

Ion Ratio Lower Upper

101 100

85 43.8 35.1 52.7

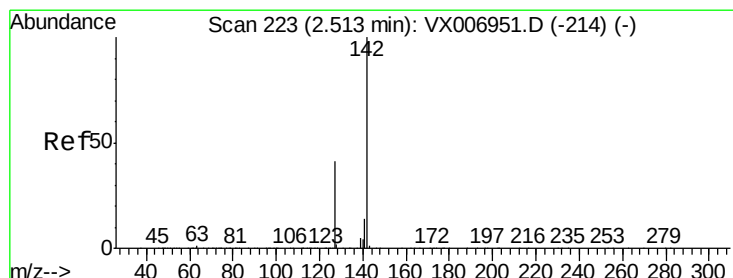
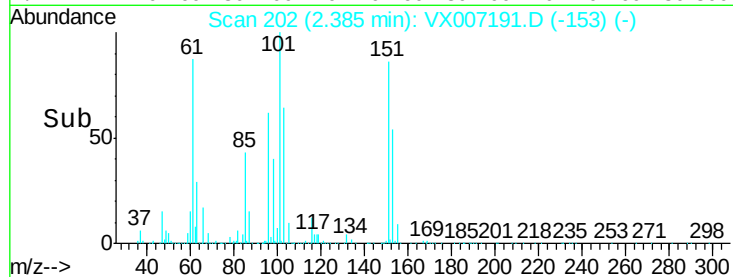
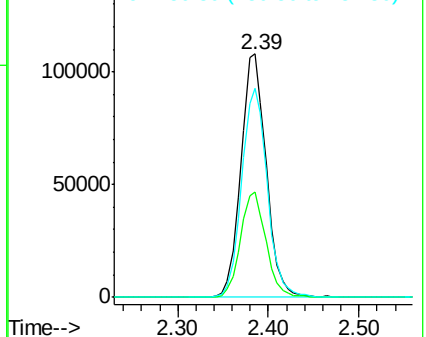
151 86.5 68.9 103.3



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: 54.319 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

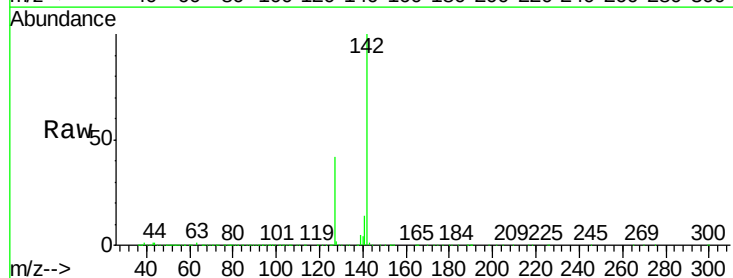
Tgt Ion:142 Resp: 325277

Ion Ratio Lower Upper

142 100

127 42.3 33.9 50.9

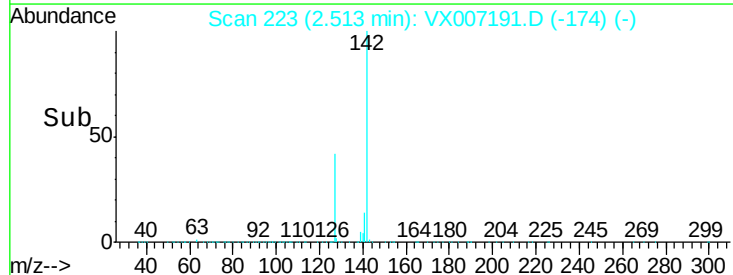
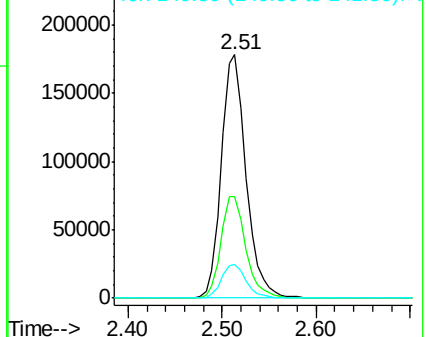
141 13.9 11.4 17.0

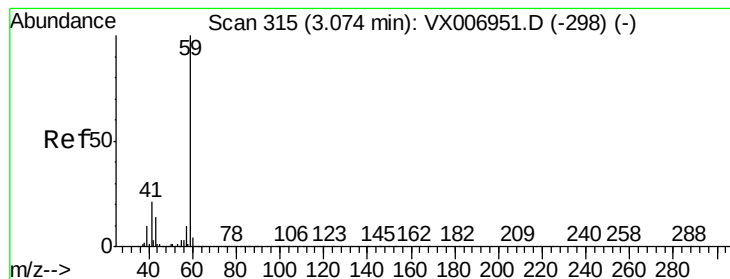


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



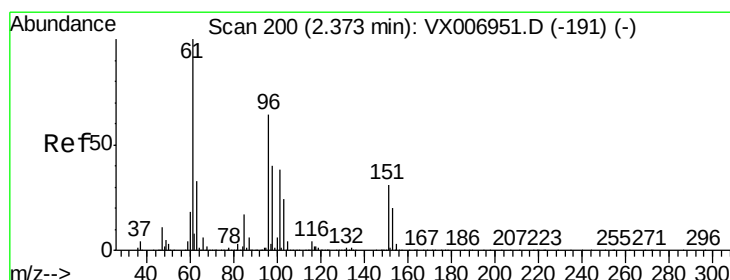
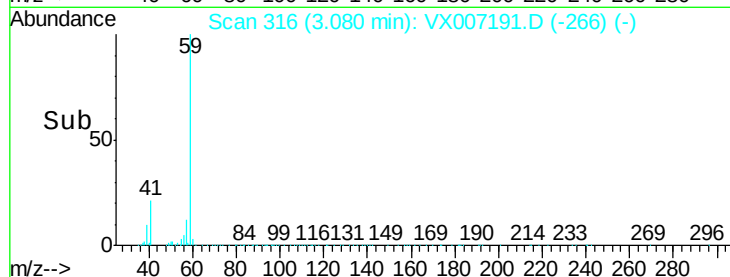
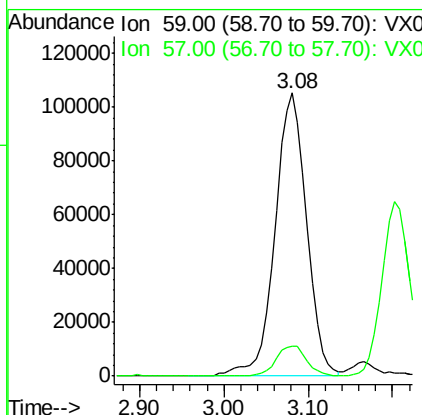
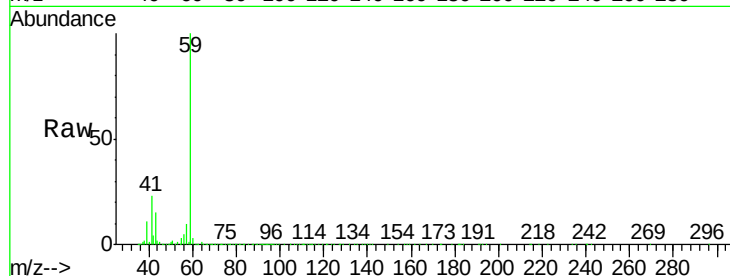


#11

Tert butyl alcohol
 Concen: 249.040 ug/l
 RT: 3.08 min Scan# 316
 Delta R.T. 0.01 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

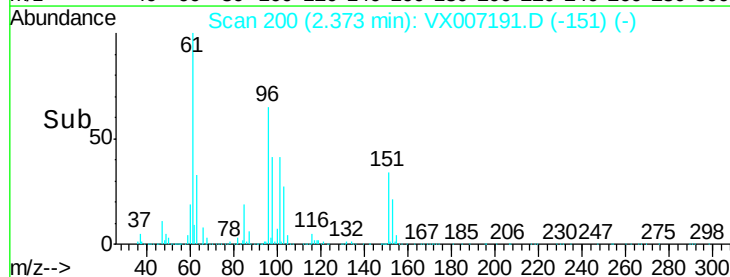
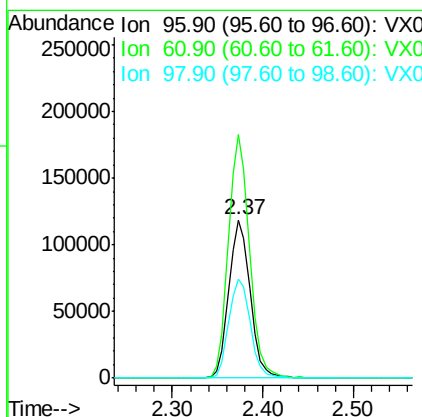
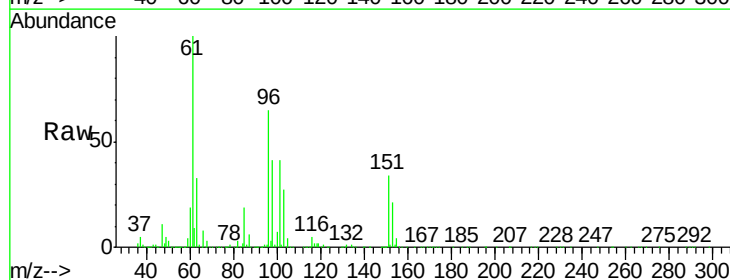
Tot Ion: 59 Resp: 273987
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

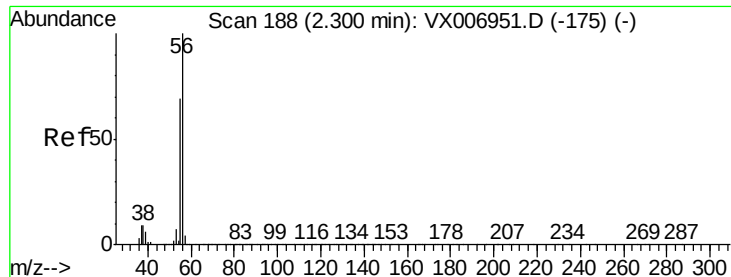


#12

1,1-Dichloroethene
 Concen: 47.388 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion: 96 Resp: 194362
 Ion Ratio Lower Upper
 96 100
 61 154.2 121.4 182.2
 98 63.1 51.9 77.9





#13

Acrolein

Concen: 335.633 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

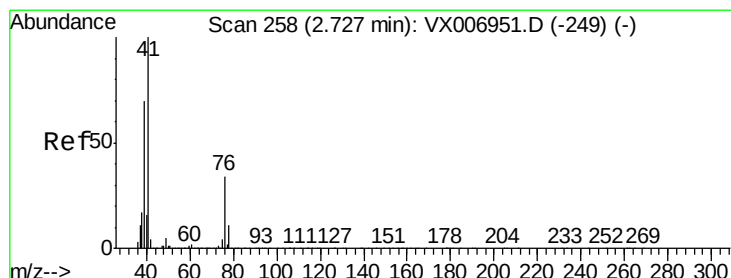
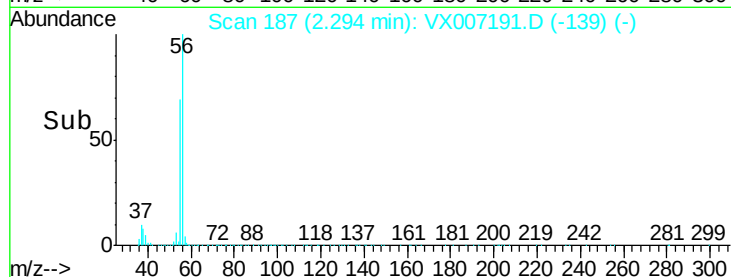
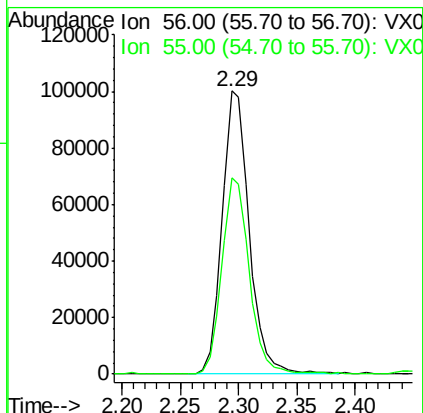
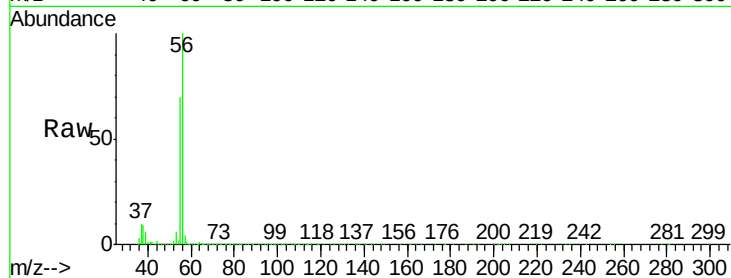
SA-TW524-2327MS

Tot Ion: 56 Resp: 159761

Ion Ratio Lower Upper

56 100

55 70.2 58.2 87.4



#14

Allyl chloride

Concen: 48.423 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

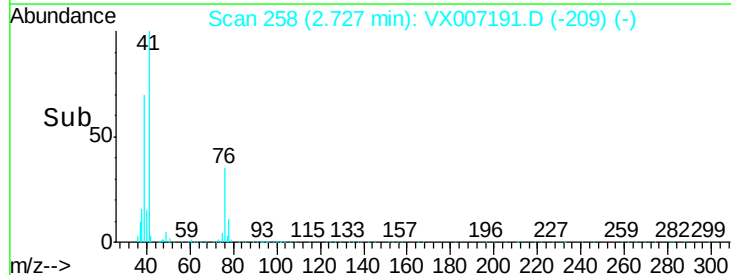
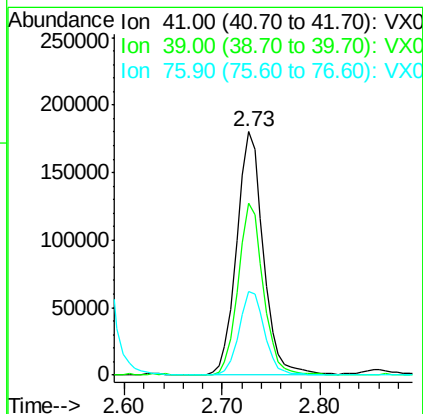
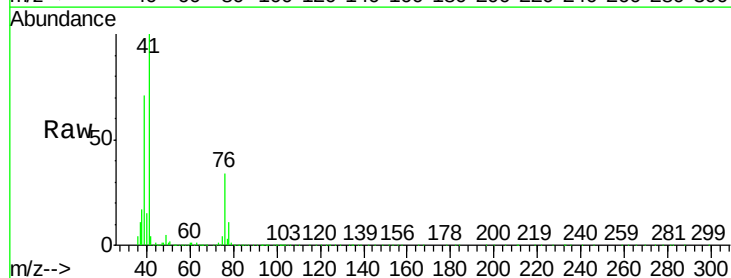
Tgt Ion: 41 Resp: 340378

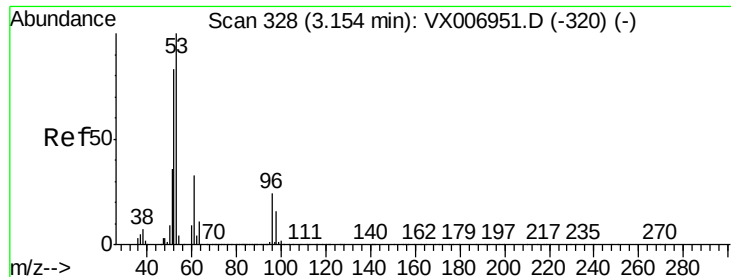
Ion Ratio Lower Upper

41 100

39 66.3 53.6 80.4

76 32.6 27.4 41.2





#15

Acrylonitrile

Concen: 252.017 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

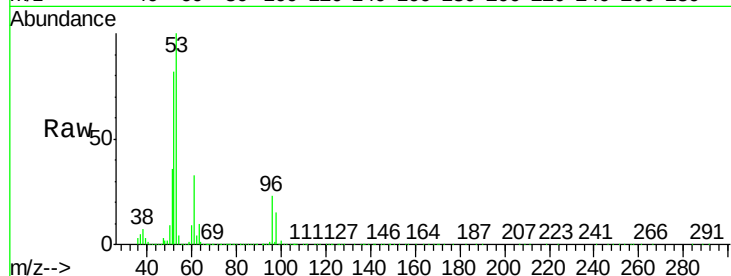
Tot Ion: 53 Resp: 636494

Ion Ratio Lower Upper

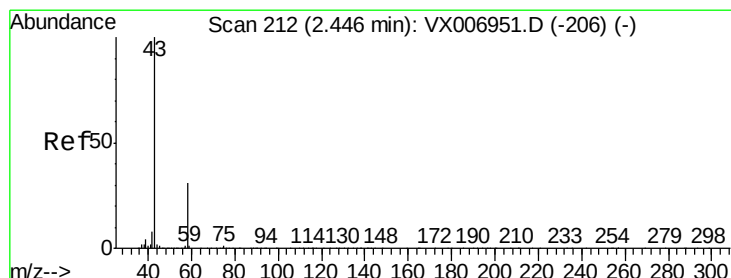
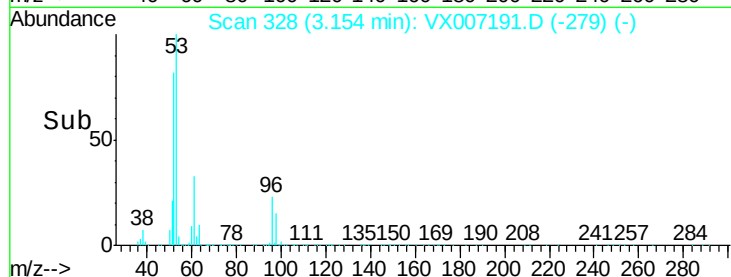
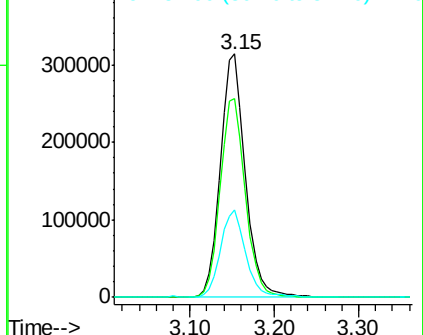
53 100

52 82.8 66.0 99.0

51 36.5 28.6 42.8



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: 232.536 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007191.D

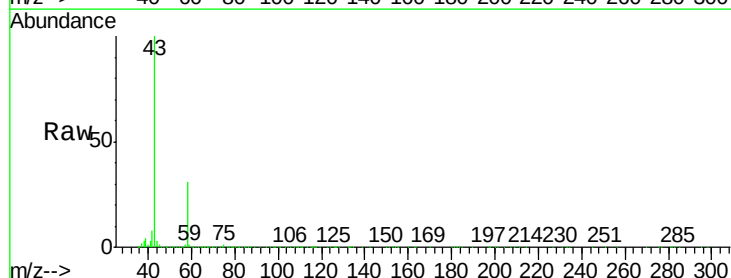
Acq: 22 Jan 2019 19:28

Tgt Ion: 43 Resp: 536150

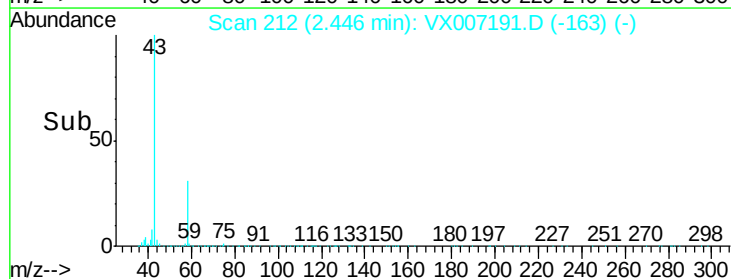
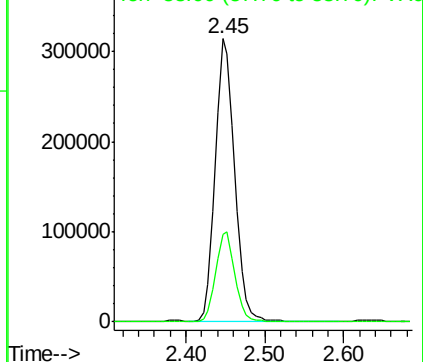
Ion Ratio Lower Upper

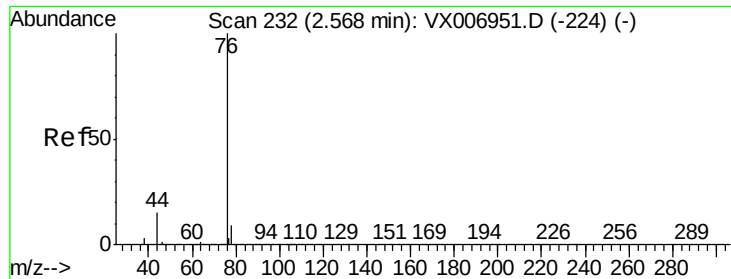
43 100

58 30.8 25.0 37.6



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





#17

Carbon Disulfide

Concen: 39.894 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

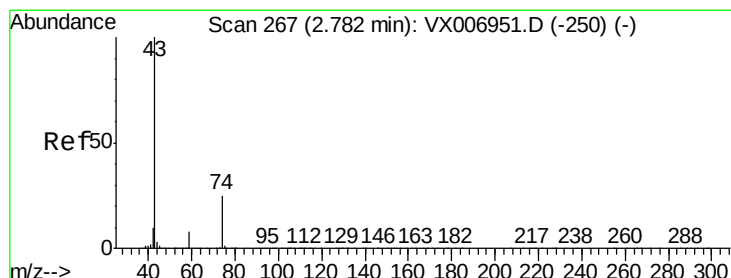
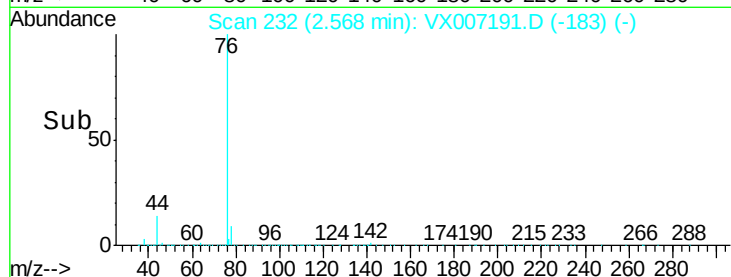
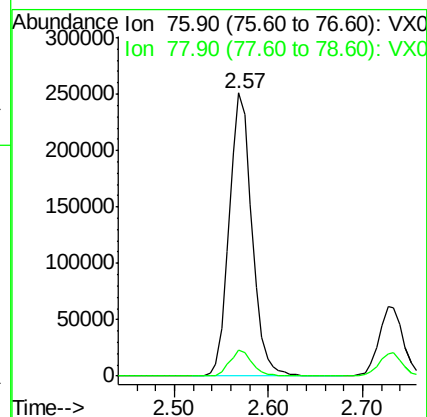
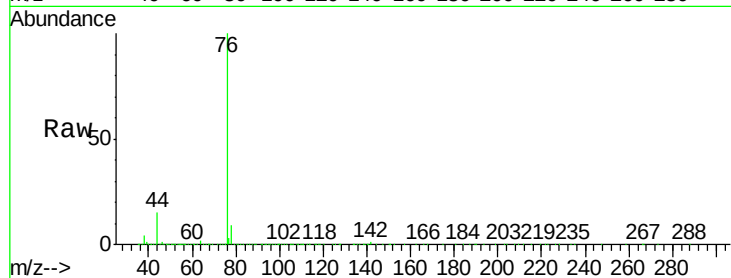
SA-TW524-2327MS

Tot Ion: 76 Resp: 421268

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



#18

Methyl Acetate

Concen: 49.466 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007191.D

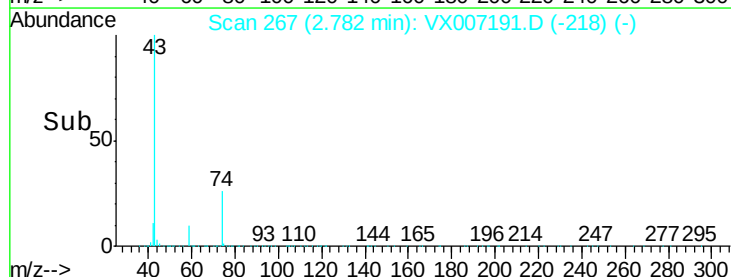
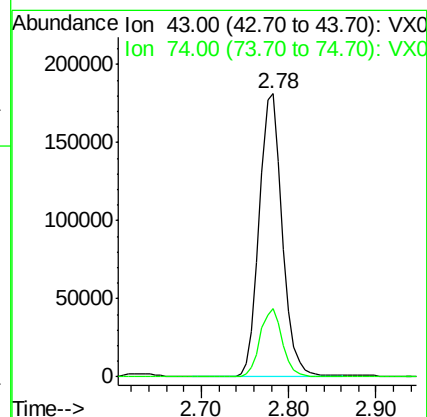
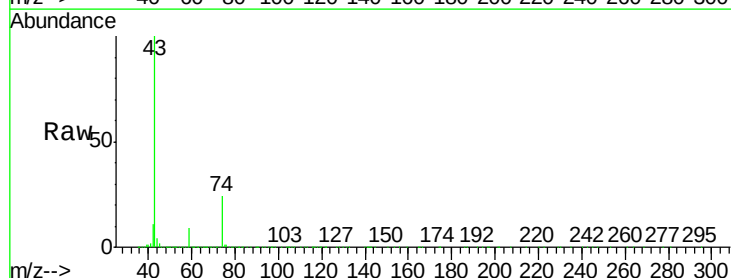
Acq: 22 Jan 2019 19:28

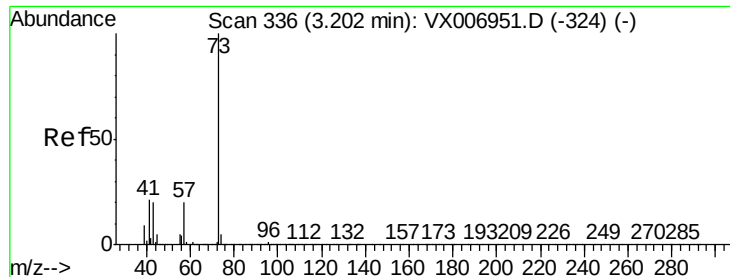
Tgt Ion: 43 Resp: 330286

Ion Ratio Lower Upper

43 100

74 24.0 18.6 28.0

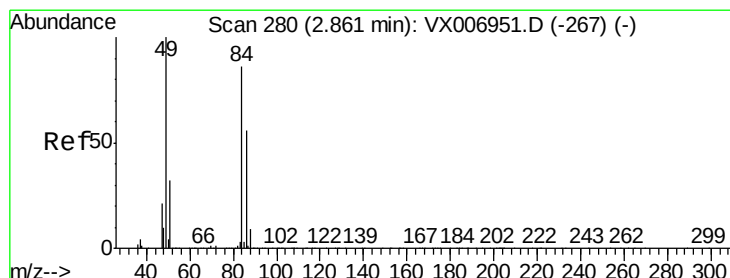
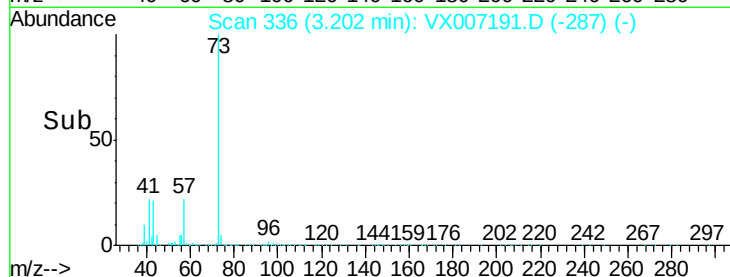
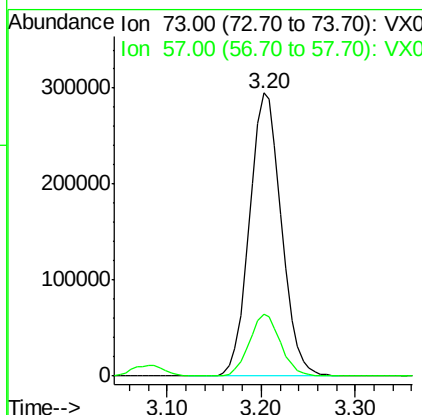
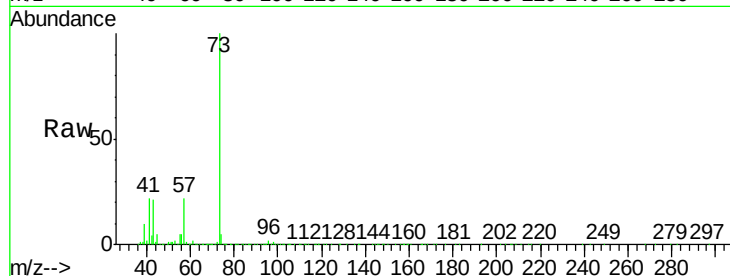




#19
Methyl tert-butyl Ether
Concen: 49.426 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

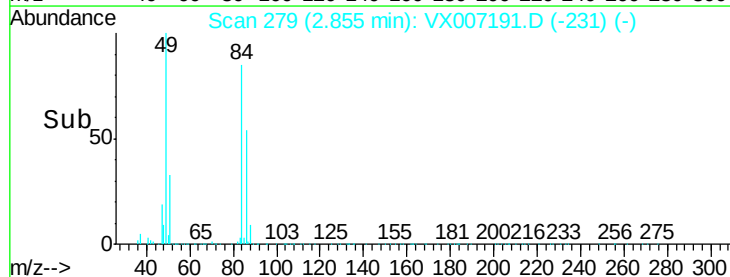
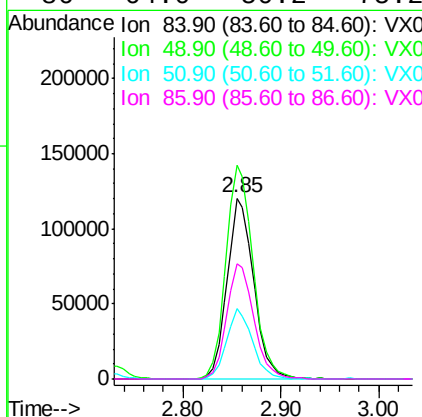
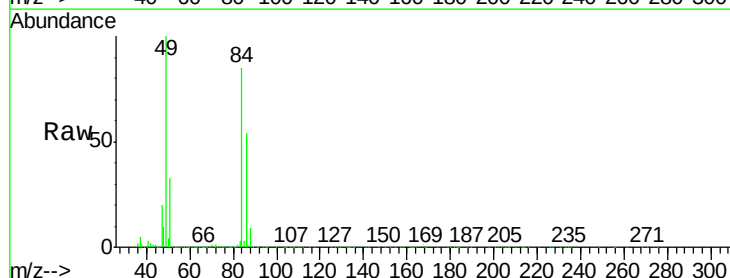
Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

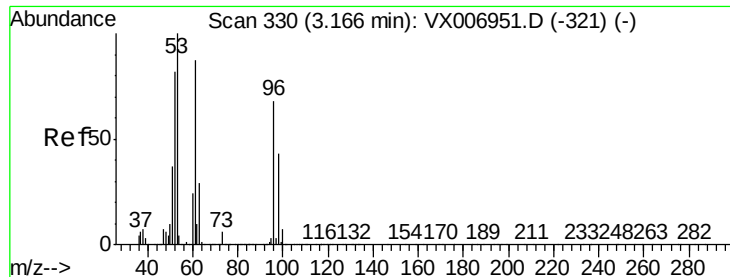
Tot Ion: 73 Resp: 703624
Ion Ratio Lower Upper
73 100
57 22.0 16.8 25.2



#20
Methylene Chloride
Concen: 51.760 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion: 84 Resp: 226902
Ion Ratio Lower Upper
84 100
49 118.2 91.8 137.6
51 38.7 28.5 42.7
86 64.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 45.250 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

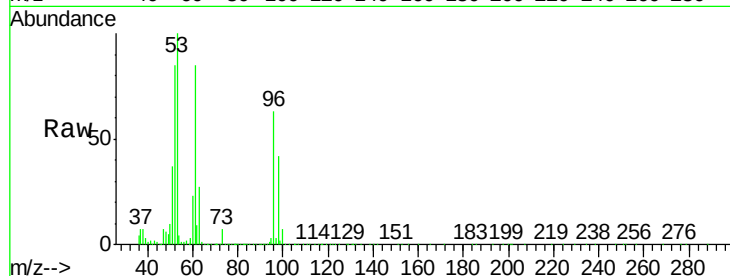
Tot Ion: 96 Resp: 206826

Ion Ratio Lower Upper

96 100

61 133.9 103.7 155.5

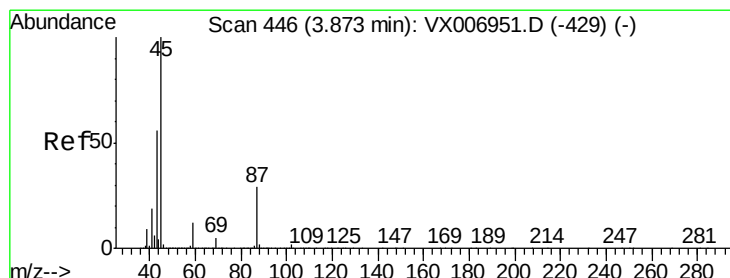
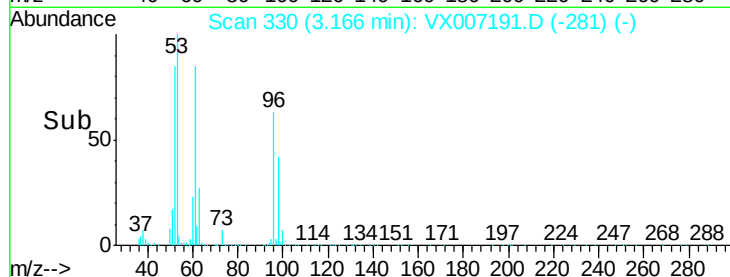
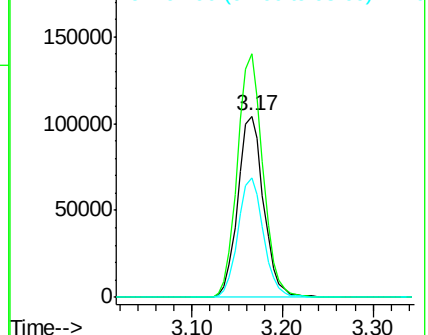
98 65.8 51.0 76.6



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: 49.608 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion: 45 Resp: 655560

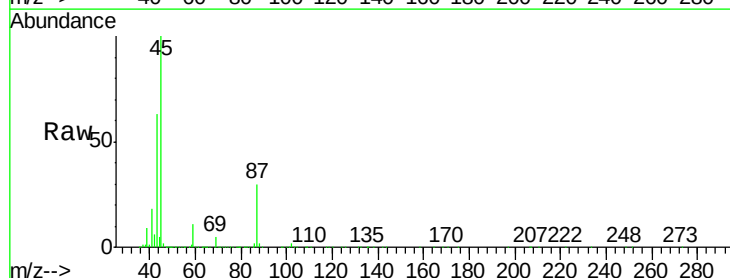
Ion Ratio Lower Upper

45 100

43 62.9 51.2 76.8

87 30.4 25.8 38.6

59 11.4 9.0 13.4

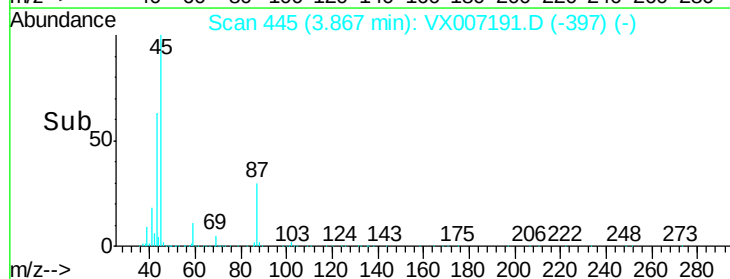
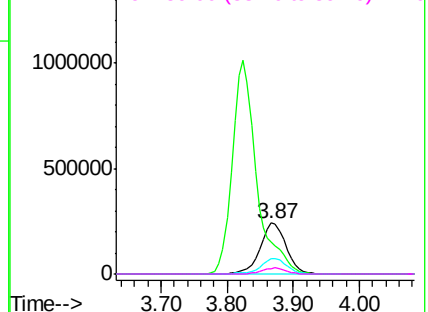


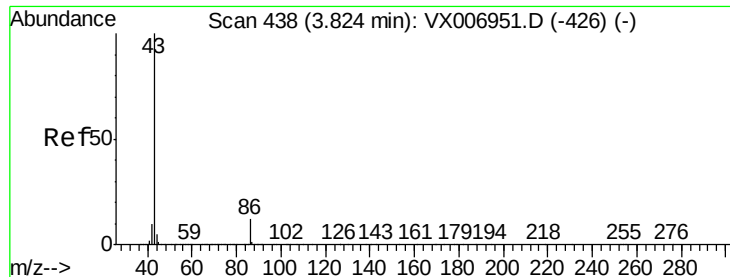
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 232.000 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

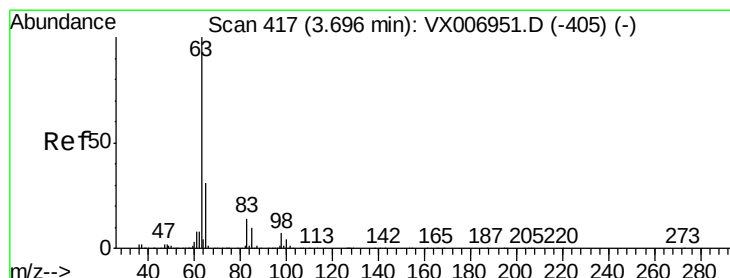
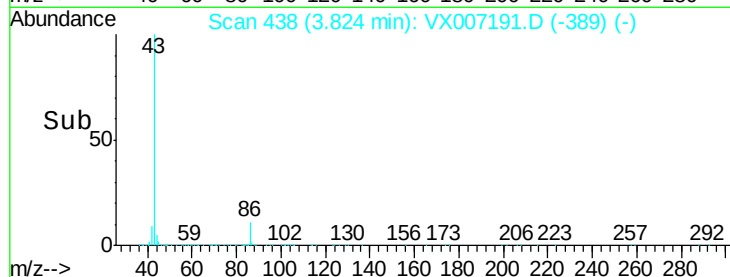
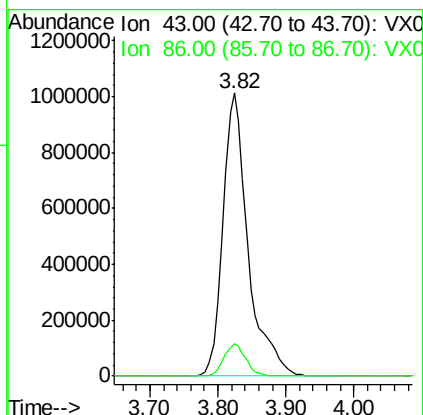
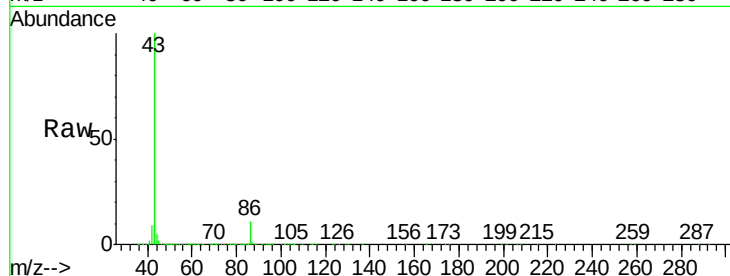
SA-TW524-2327MS

Tot Ion: 43 Resp: 2585503

Ion Ratio Lower Upper

43 100

86 11.3 9.2 13.8



#24

1,1-Dichloroethane

Concen: 49.071 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

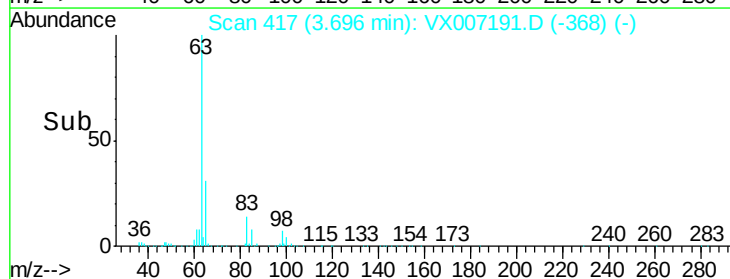
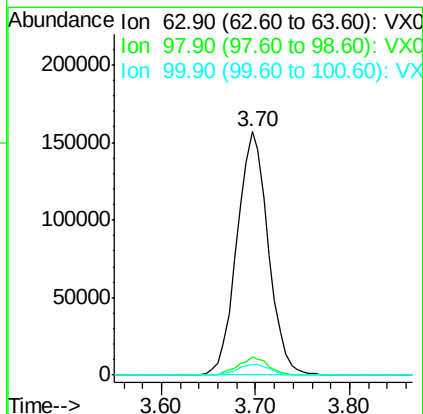
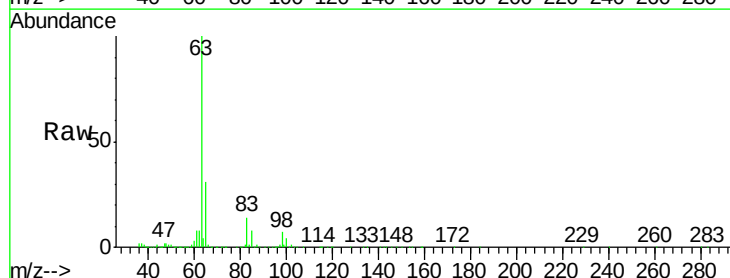
Tgt Ion: 63 Resp: 362597

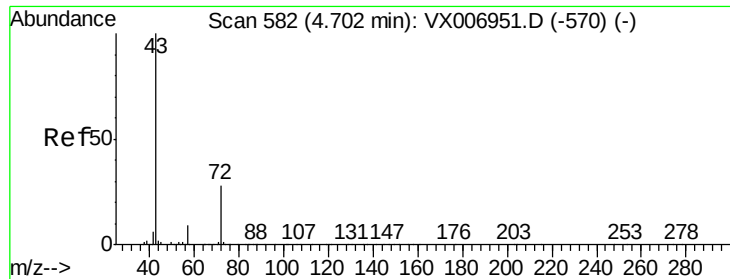
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 4.1 2.4 7.2





#25

2-Butanone

Concen: 249.223 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

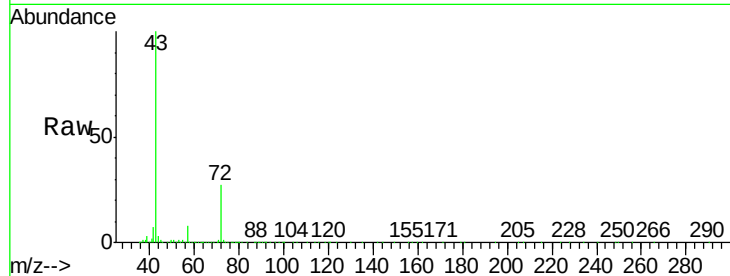
SA-TW524-2327MS

Tot Ion: 43 Resp: 822205

Ion Ratio Lower Upper

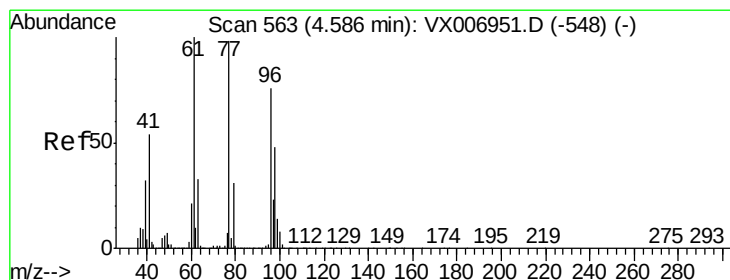
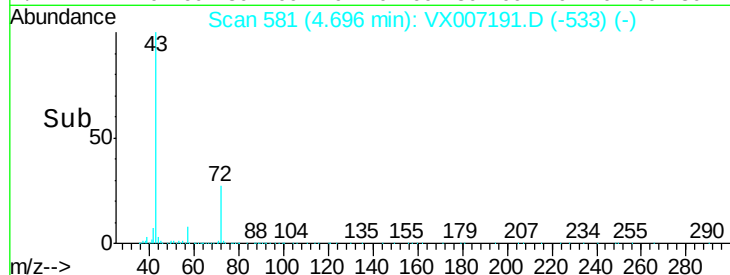
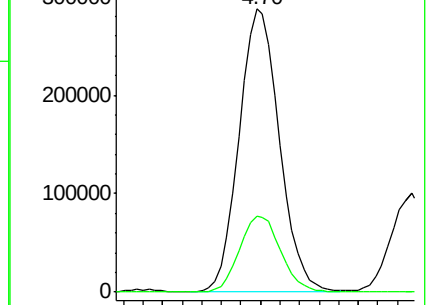
43 100

72 26.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 42.207 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.00 min

Lab File: VX007191.D

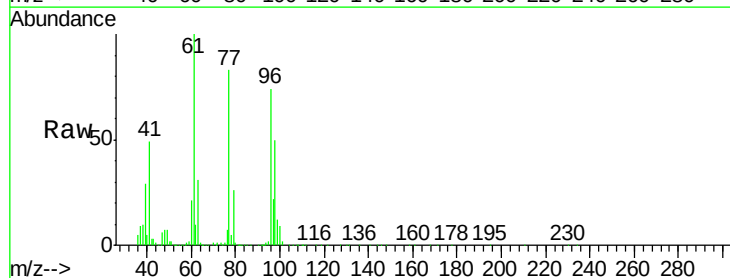
Acq: 22 Jan 2019 19:28

Tgt Ion: 77 Resp: 239823

Ion Ratio Lower Upper

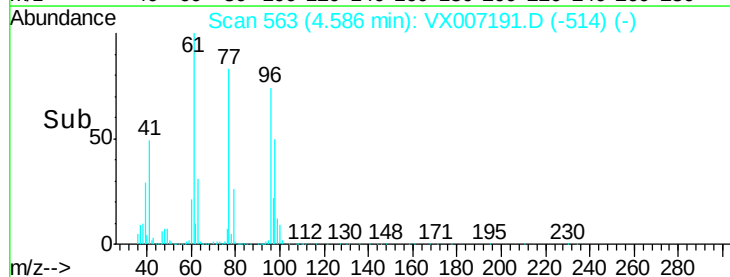
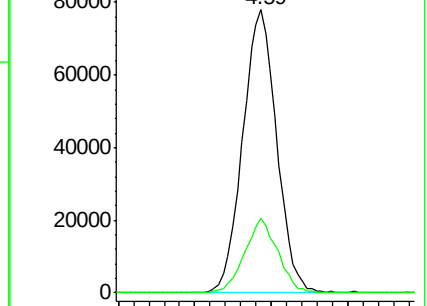
77 100

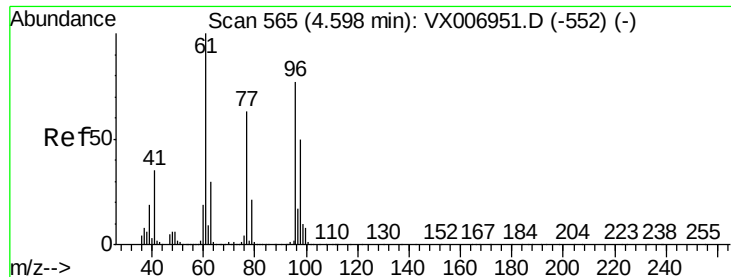
97 25.7 12.4 37.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



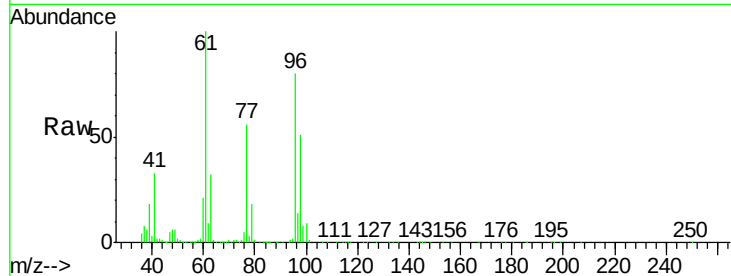


#27

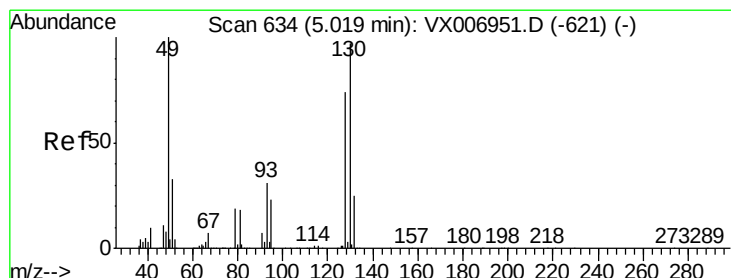
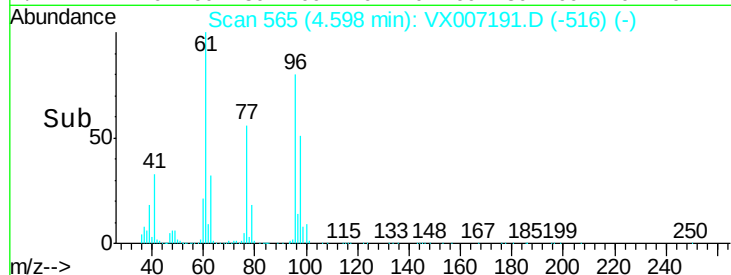
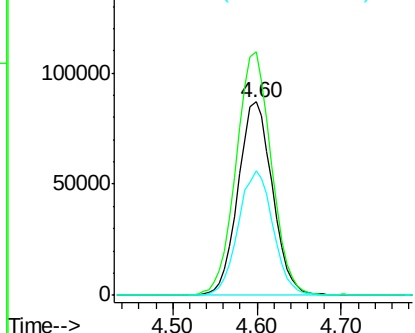
cis-1,2-Dichloroethene
Concen: 47.711 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.0	0.0	258.6
98	65.5	0.0	132.0



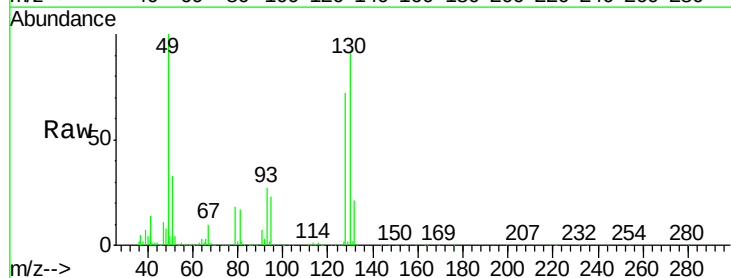
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



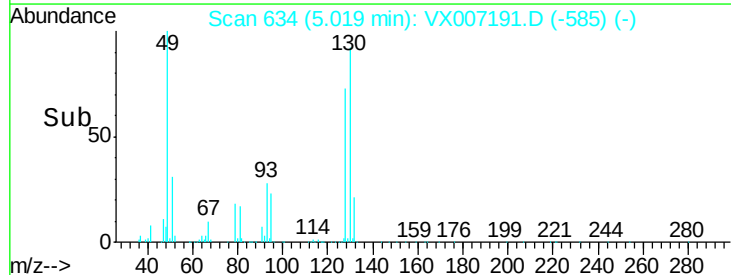
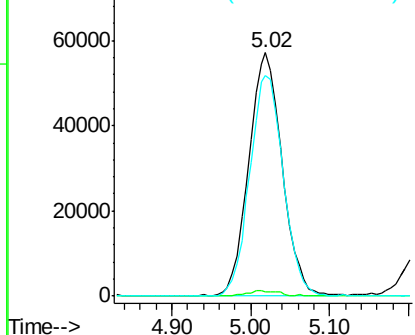
#28

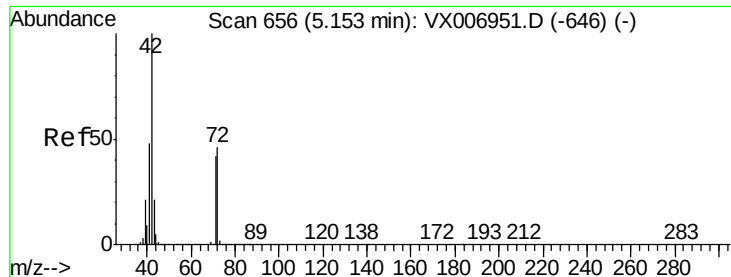
Bromochloromethane
Concen: 51.664 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	5.4
130	91.9	77.7	116.5



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





#29

Tetrahydrofuran

Concen: 244.814 ug/l

RT: 5.15 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

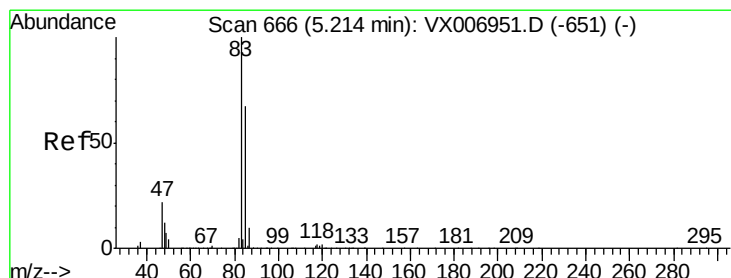
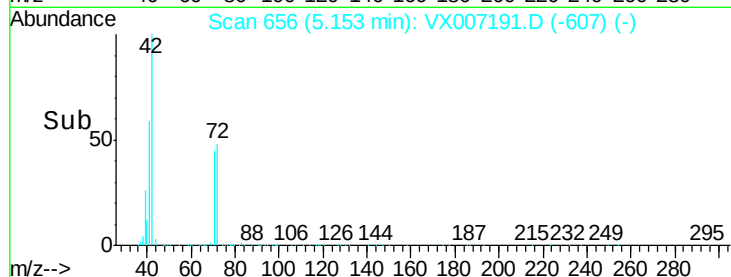
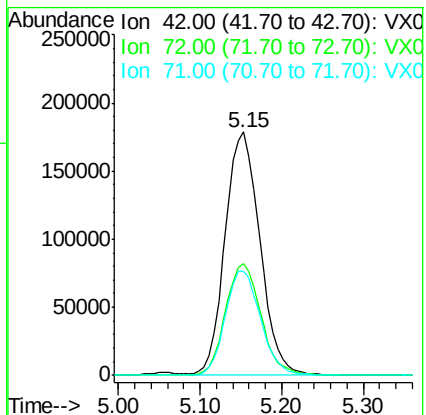
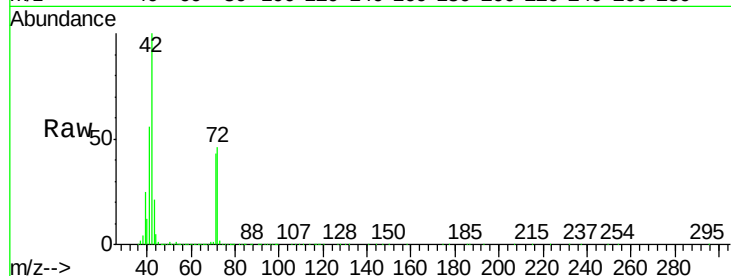
Tot Ion: 42 Resp: 524877

Ion Ratio Lower Upper

42 100

72 47.0 38.9 58.3

71 43.7 36.2 54.4



#30

Chloroform

Concen: 50.048 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX007191.D

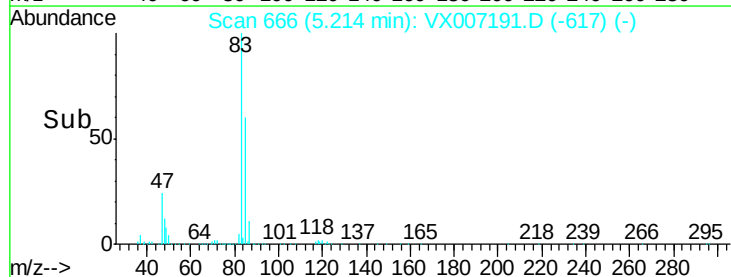
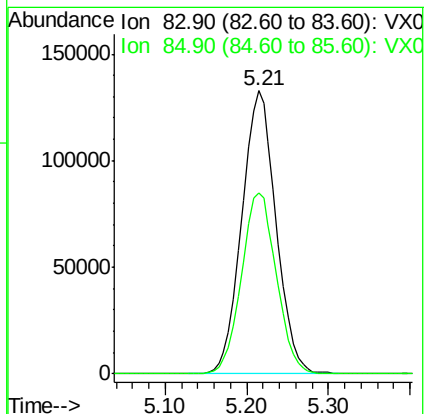
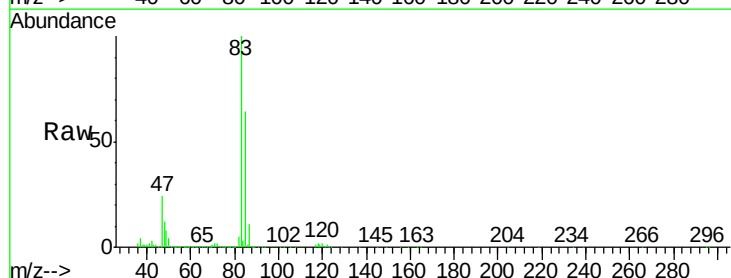
Acq: 22 Jan 2019 19:28

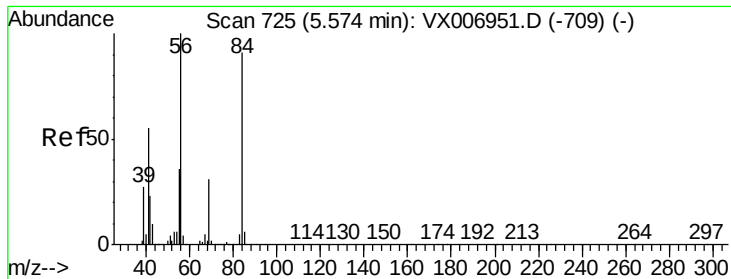
Tgt Ion: 83 Resp: 387199

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8





#31

Cyclohexane

Concen: 45.580 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

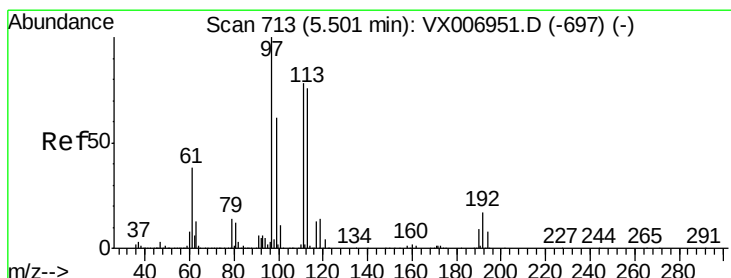
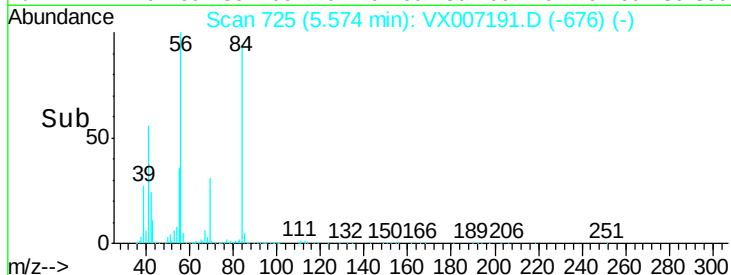
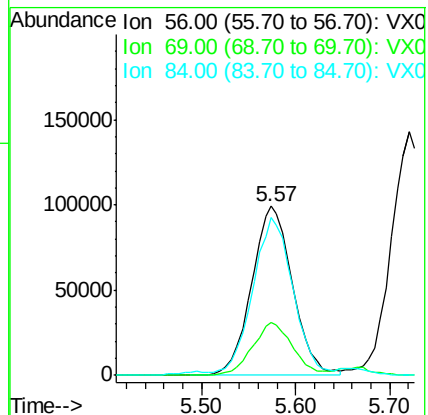
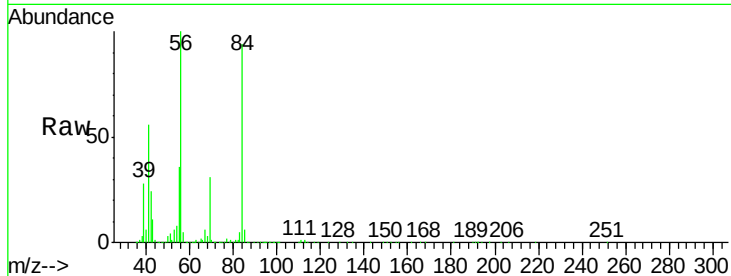
Tot Ion: 56 Resp: 299766

Ion Ratio Lower Upper

56 100

69 31.3 24.4 36.6

84 91.8 70.0 105.0



#32

1,1,1-Trichloroethane

Concen: 49.885 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

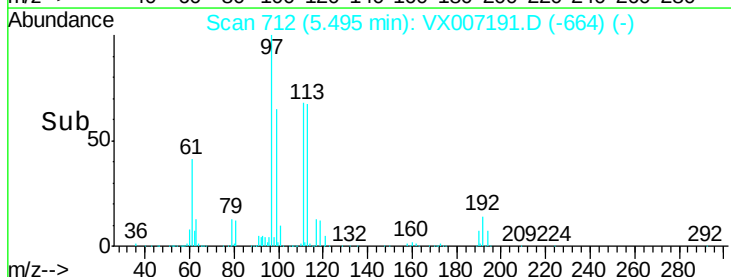
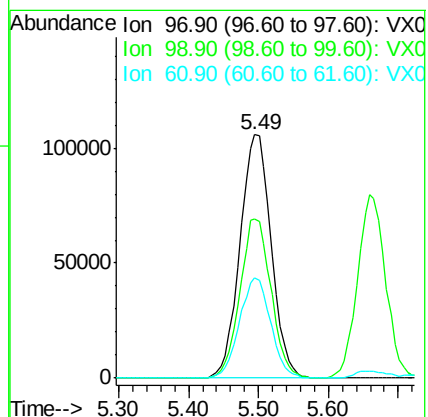
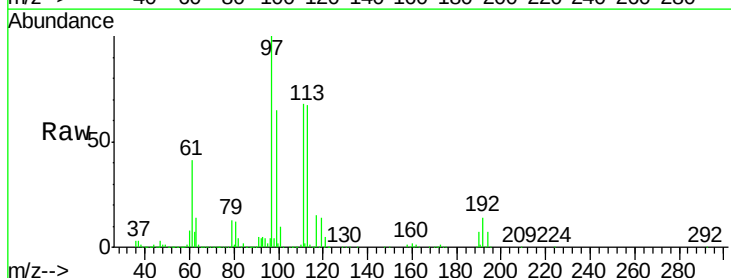
Tgt Ion: 97 Resp: 327125

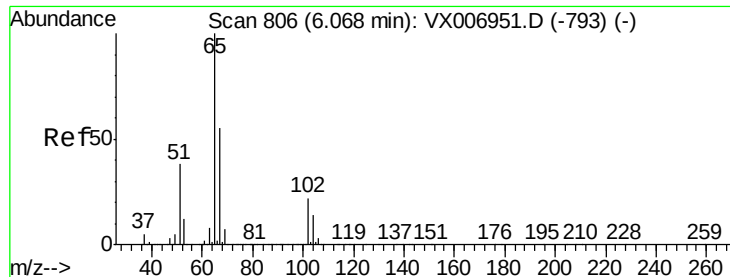
Ion Ratio Lower Upper

97 100

99 65.2 51.7 77.5

61 41.1 31.3 46.9





#33

1,2-Dichloroethane-d4

Concen: 51.446 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

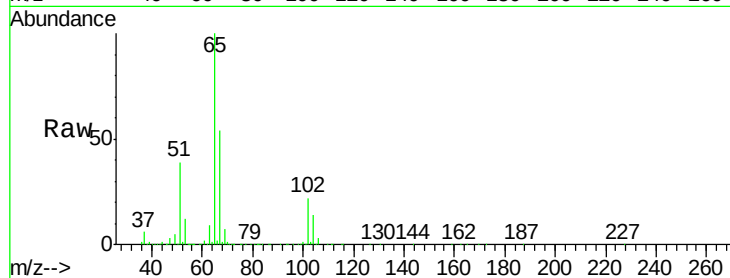
SA-TW524-2327MS

Tot Ion: 65 Resp: 239937

Ion Ratio Lower Upper

65 100

67 53.6 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

100000

80000

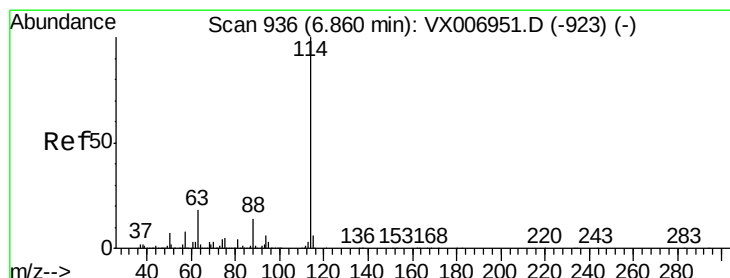
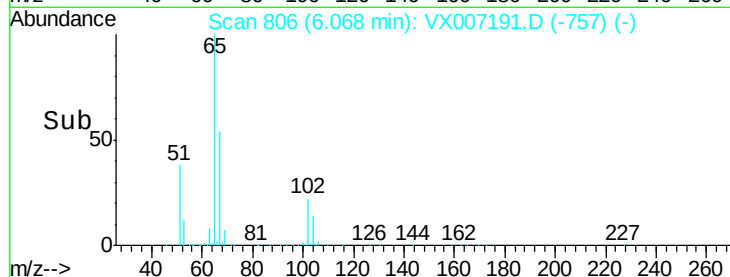
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

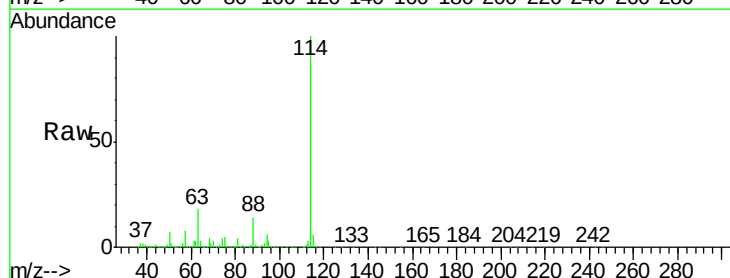
Tgt Ion: 114 Resp: 663951

Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.8

88 14.2 0.0 28.8



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

400000

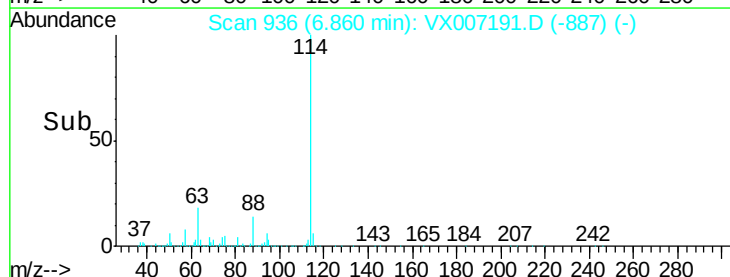
300000

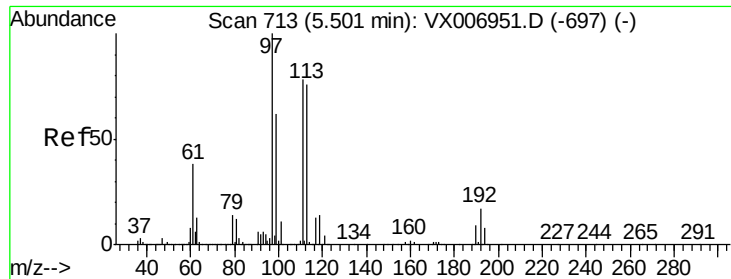
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 52.140 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

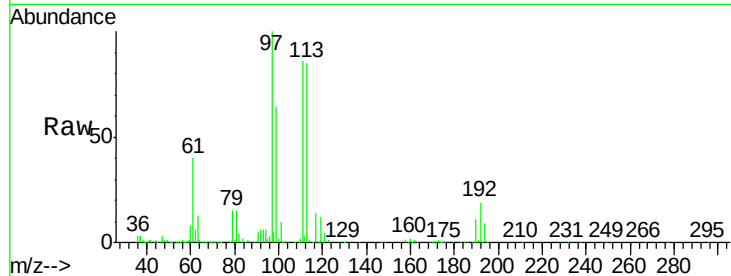
Tot Ion:113 Resp: 221694

Ion Ratio Lower Upper

113 100

111 101.4 81.6 122.4

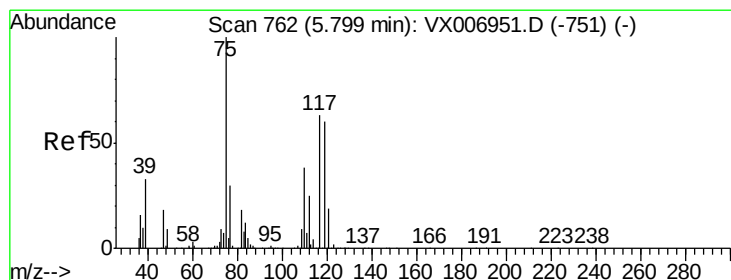
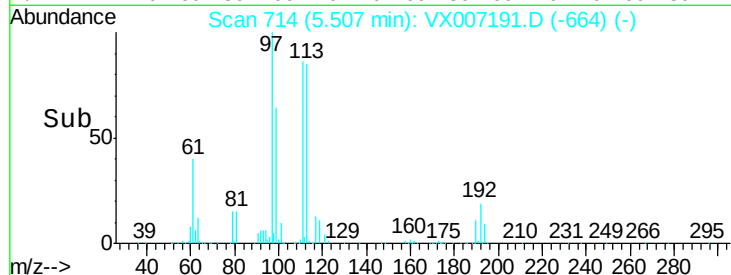
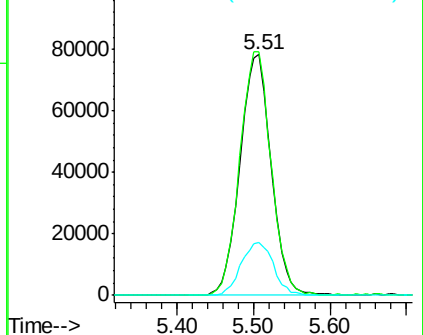
192 22.8 16.7 25.1



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: 46.360 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

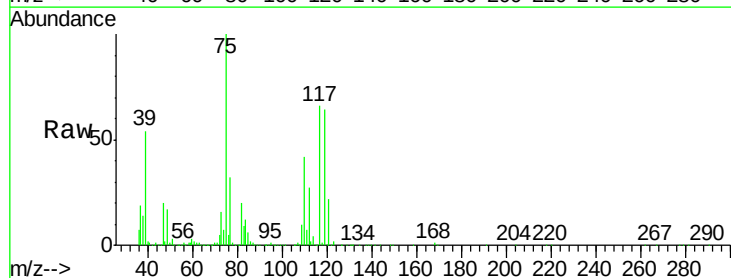
Tgt Ion: 75 Resp: 267612

Ion Ratio Lower Upper

75 100

110 40.2 20.2 60.5

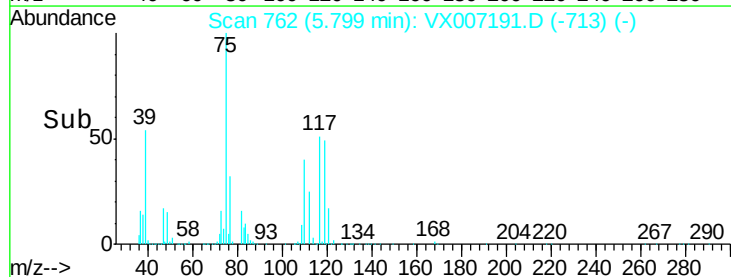
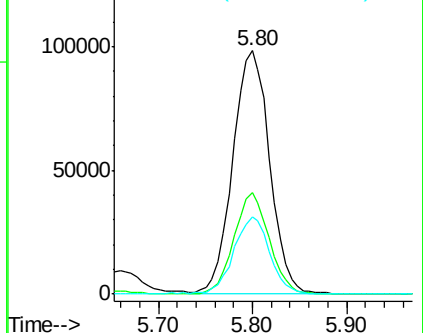
77 30.9 24.8 37.2

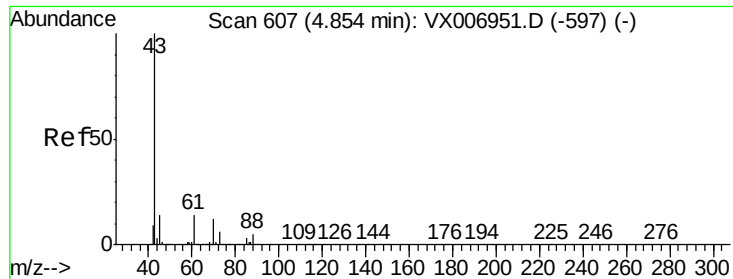


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

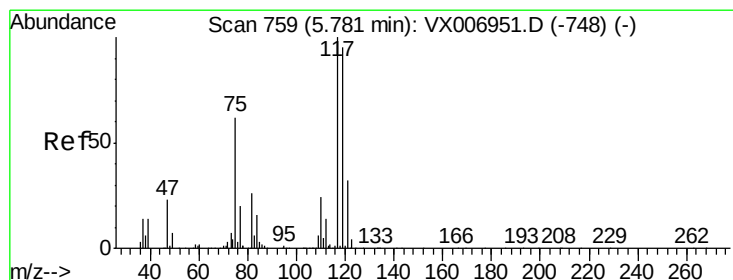
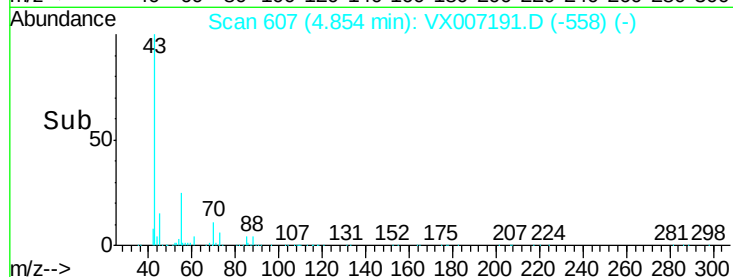
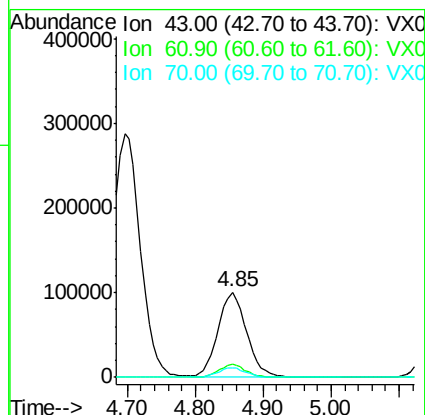
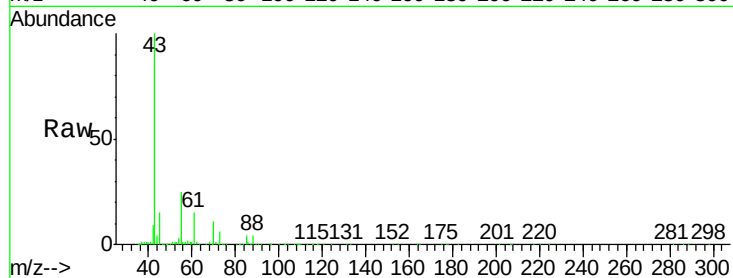




#37
Ethyl Acetate
Concen: 47.300 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

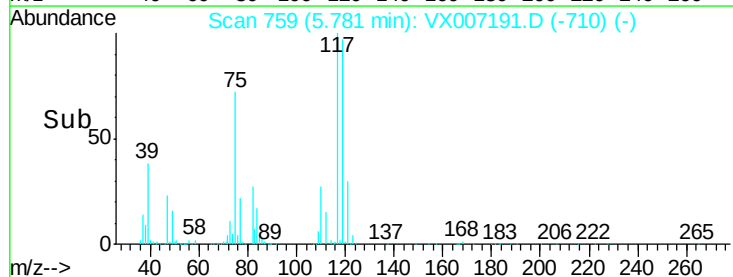
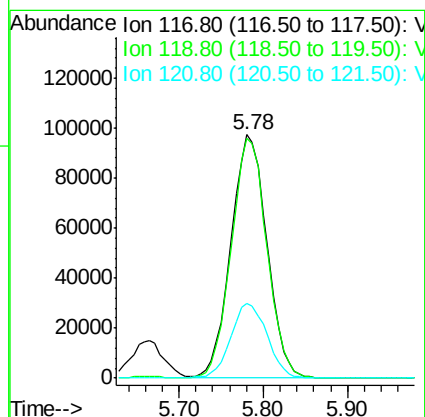
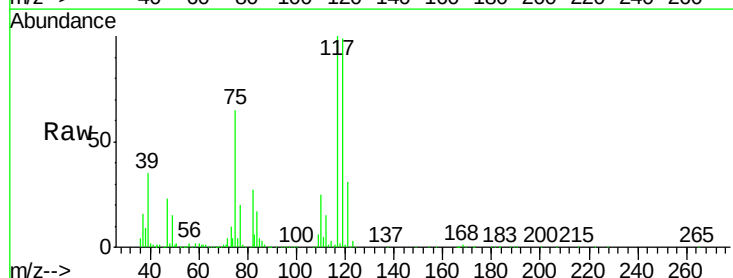
Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

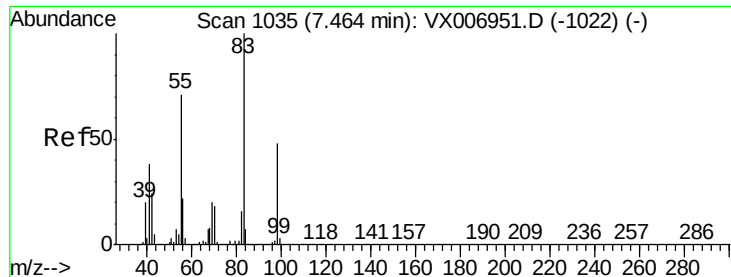
Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.9	17.9
70	11.0	9.7	14.5



#38
Carbon Tetrachloride
Concen: 48.459 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	79.4	119.2
121	30.6	24.0	36.0

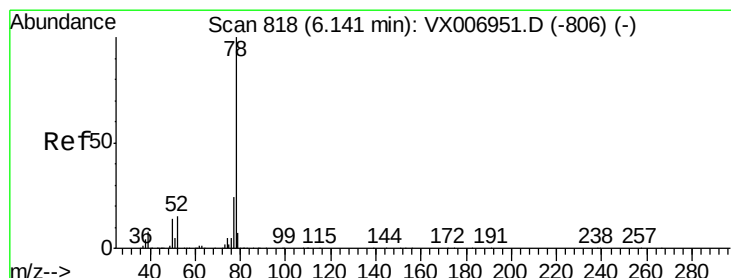
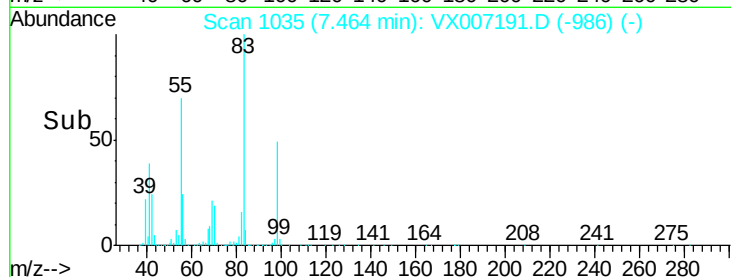
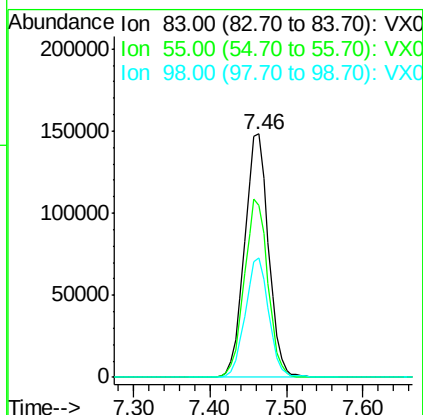
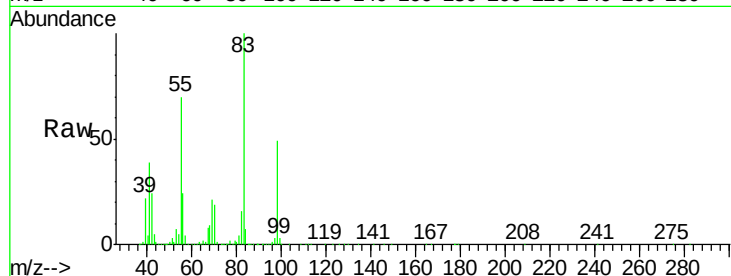




#39
Methylvlcyclohexane
Concen: 43.860 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

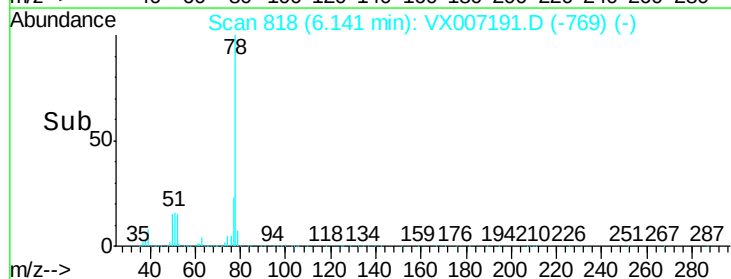
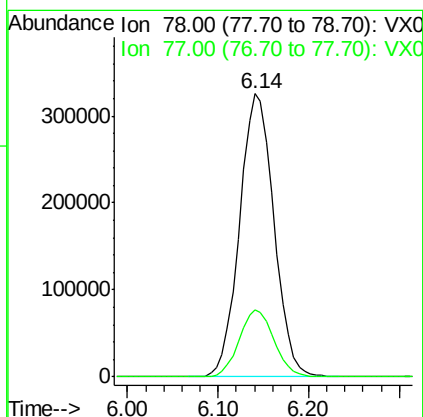
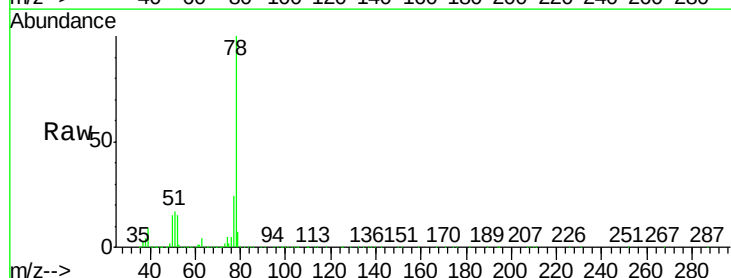
Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

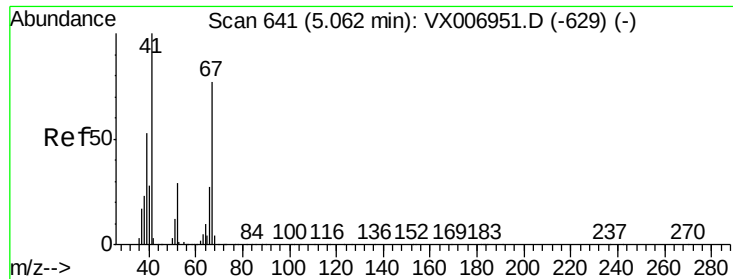
Tot Ion	83.00	Resp	322767
Ion Ratio	Lower	Upper	
83	100		
55	70.5	54.9	82.3
98	49.2	37.9	56.9



#40
Benzene
Concen: 48.486 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion	78.00	Resp	854012
Ion Ratio	Lower	Upper	
78	100		
77	23.5	19.2	28.8

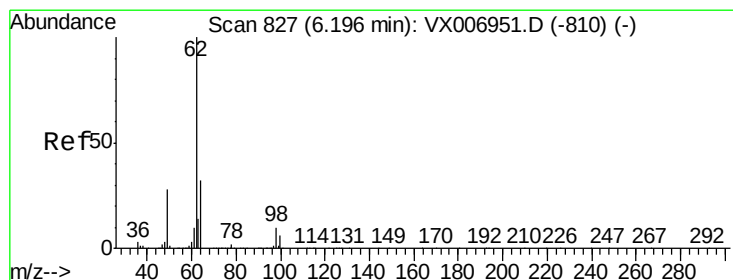
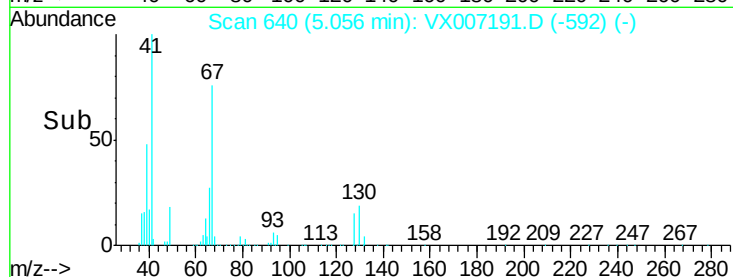
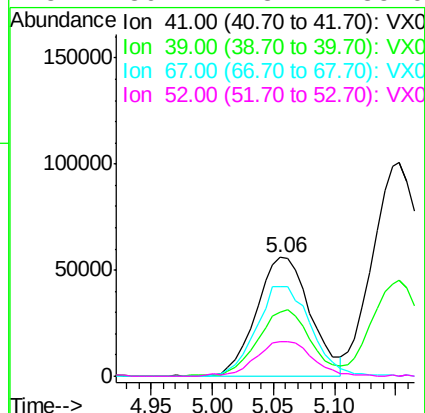
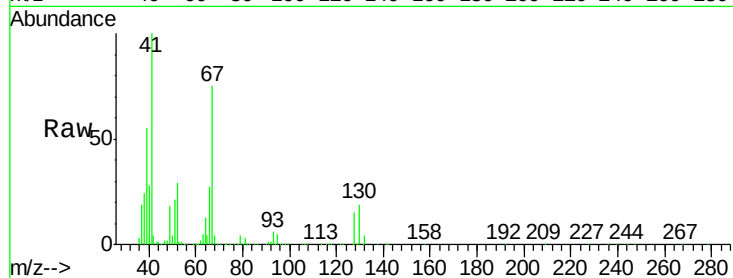




#41
Methacrylonitrile
Concen: 47.691 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

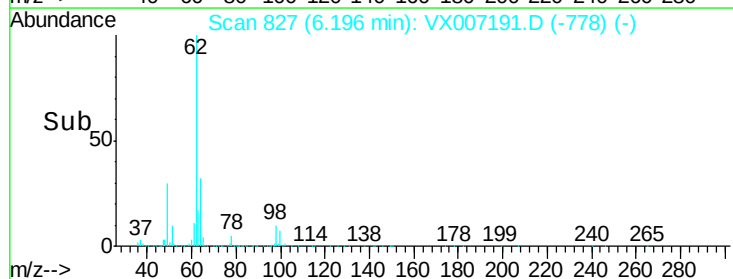
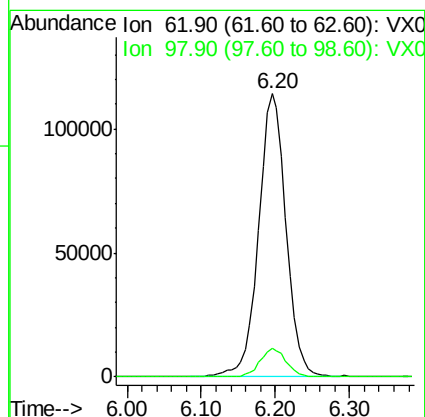
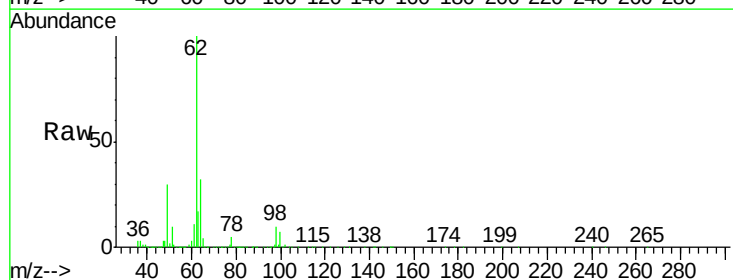
Instrument :
MSVOA_X
ClientSampleId :
SA-TW524-2327MS

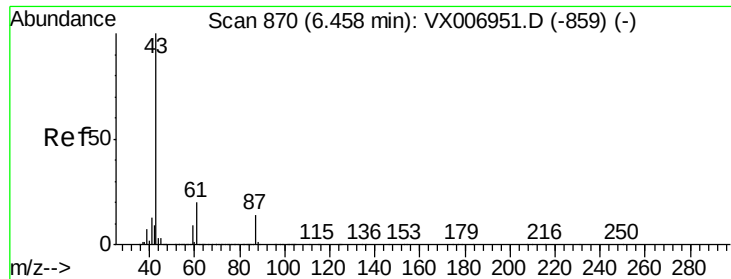
Tot Ion:	41	Resp:	170026
Ion	Ratio	Lower	Upper
41	100		
39	54.8	42.8	64.2
67	77.5	62.1	93.1
52	30.4	23.4	35.0



#42
1,2-Dichloroethane
Concen: 48.296 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX007191.D
Acq: 22 Jan 2019 19:28

Tgt Ion:	62	Resp:	293960
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.2





#43

Isopropyl Acetate

Concen: 48.862 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

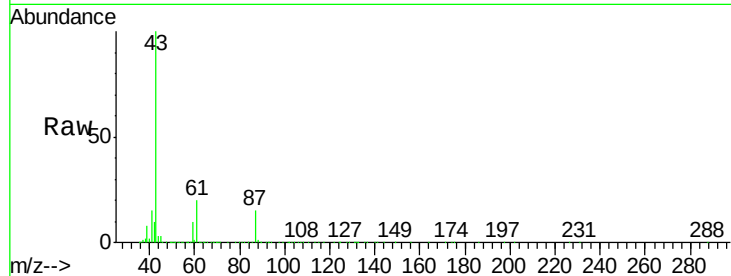
Tot Ion: 43 Resp: 476981

Ion Ratio Lower Upper

43 100

61 20.4 16.8 25.2

87 14.2 12.4 18.6

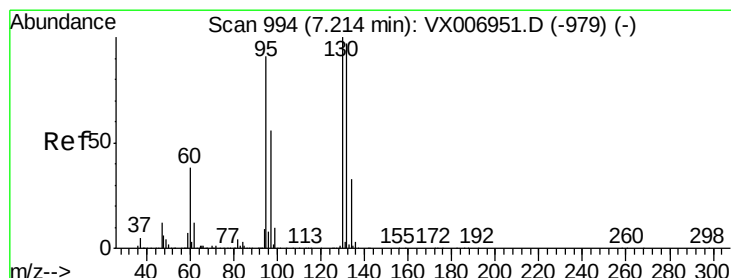
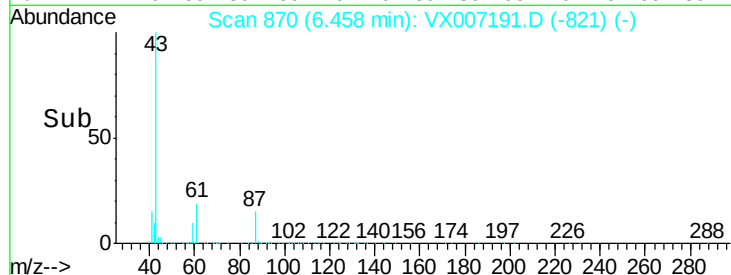
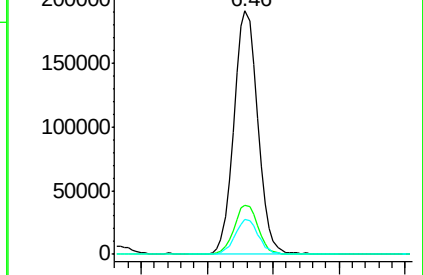


Abundance Ion 43.00 (42.70 to 43.70): VX007191.D (-821) (-)

Ion 61.00 (60.70 to 61.70): VX007191.D (-821) (-)

Ion 87.00 (86.70 to 87.70): VX007191.D (-821) (-)

6.46



#44

Trichloroethene

Concen: 46.694 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX007191.D

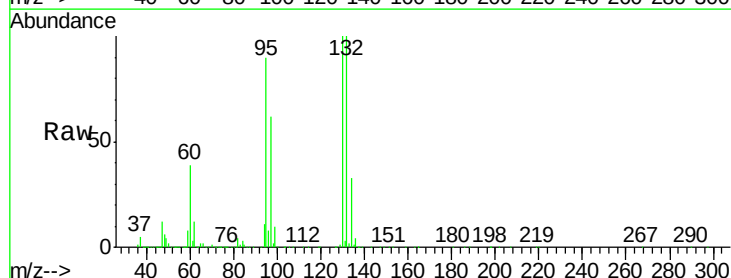
Acq: 22 Jan 2019 19:28

Tgt Ion: 130 Resp: 246459

Ion Ratio Lower Upper

130 100

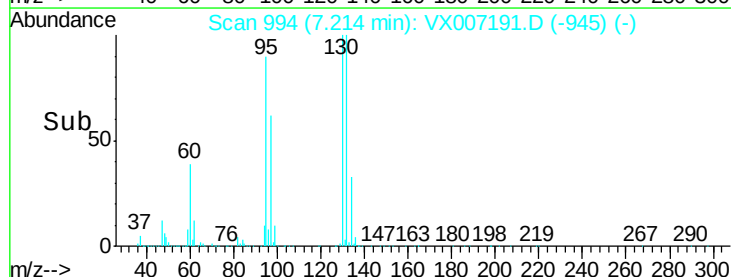
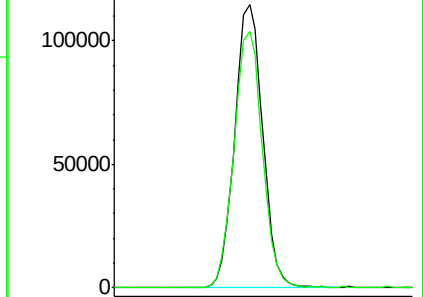
95 90.7 0.0 187.0

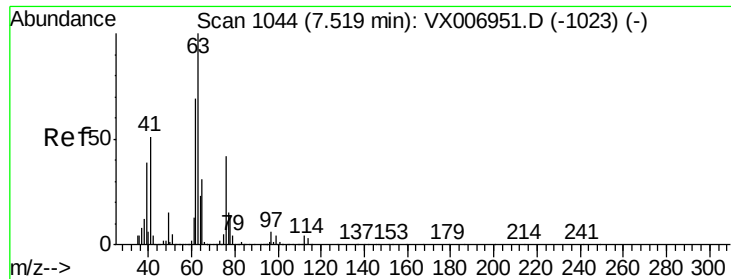


Abundance Ion 129.80 (129.50 to 130.50): VX007191.D (-945) (-)

Ion 94.90 (94.60 to 95.60): VX007191.D (-945) (-)

7.21





#45

1,2-Dichloropropane

Concen: 49.531 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

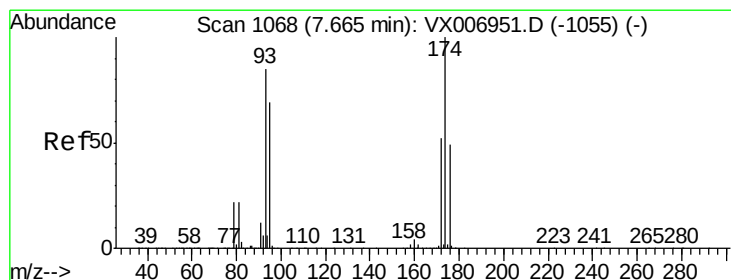
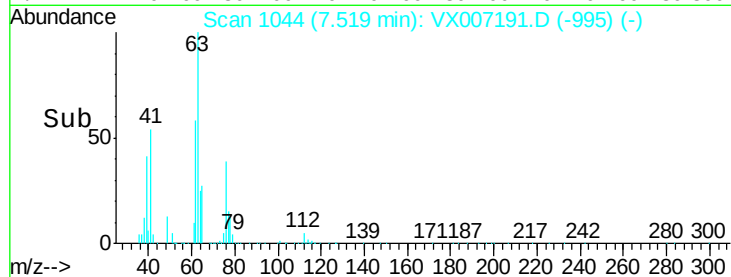
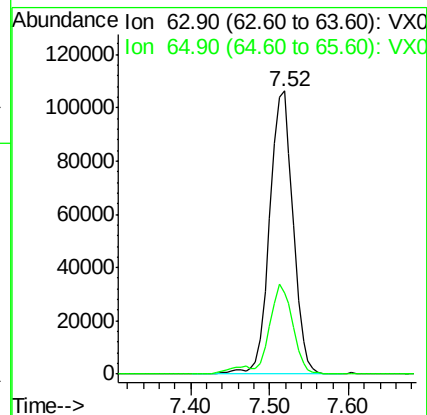
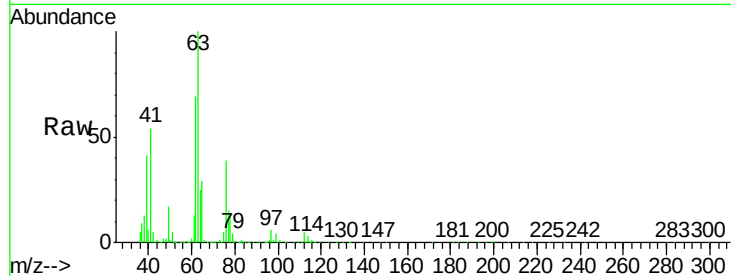
SA-TW524-2327MS

Tot Ion: 63 Resp: 219330

Ion Ratio Lower Upper

63 100

65 28.6 25.4 38.0



#46

Dibromomethane

Concen: 49.498 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

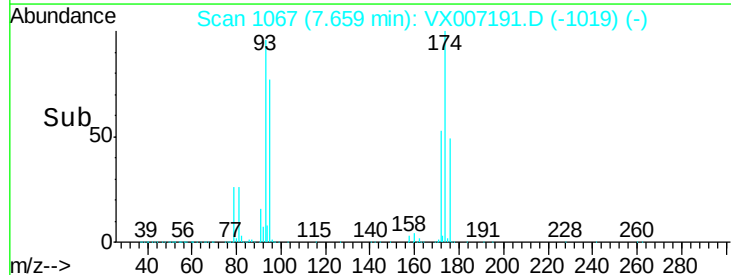
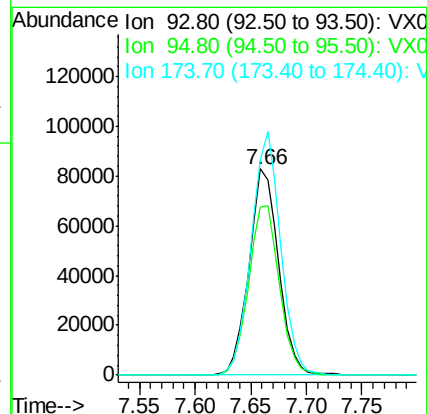
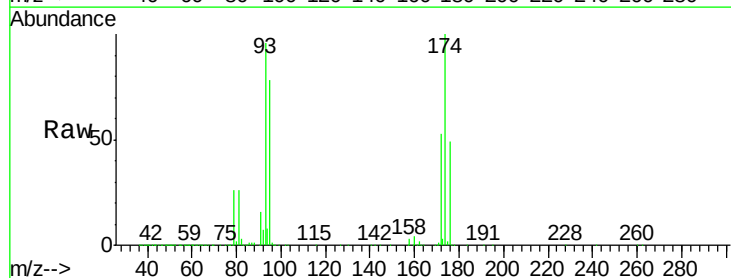
Tgt Ion: 93 Resp: 154042

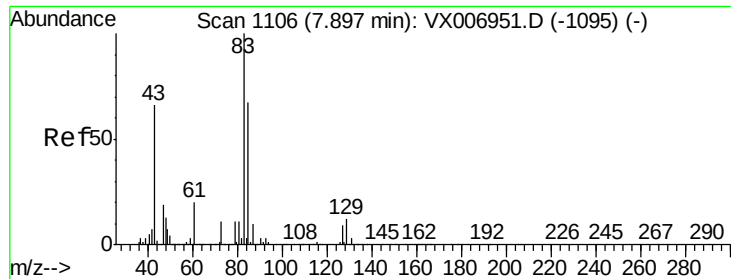
Ion Ratio Lower Upper

93 100

95 85.2 66.2 99.4

174 116.9 91.0 136.4





#47

Bromodichloromethane

Concen: 52.387 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

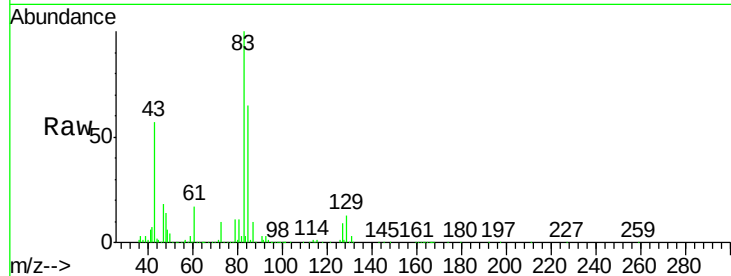
Tot Ion: 83 Resp: 277509

Ion Ratio Lower Upper

83 100

85 65.0 53.2 79.8

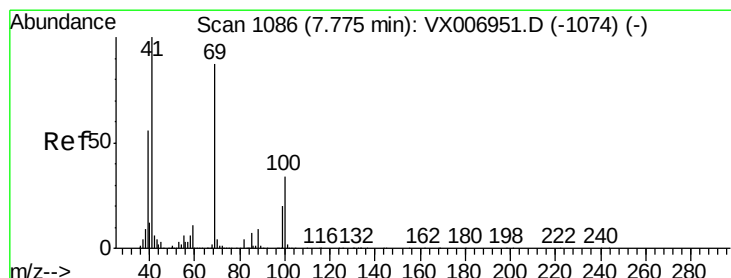
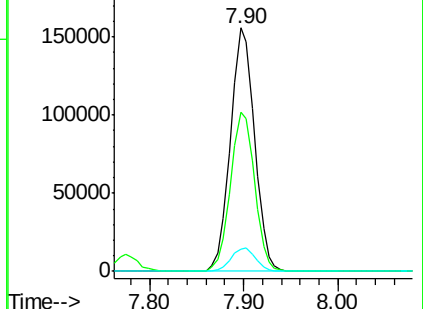
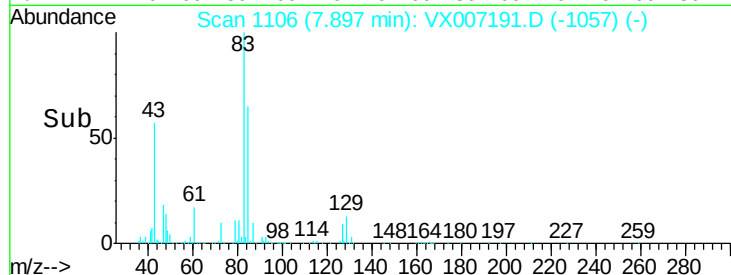
127 9.0 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.563 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

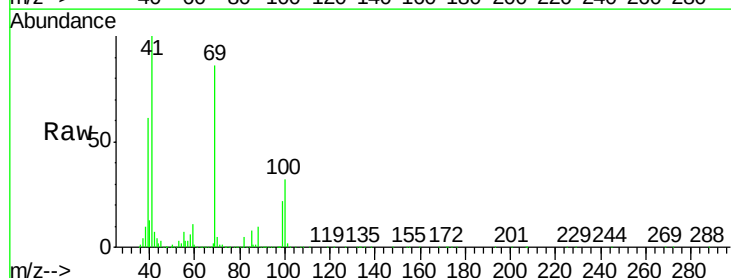
Tgt Ion: 41 Resp: 253472

Ion Ratio Lower Upper

41 100

69 88.1 72.4 108.6

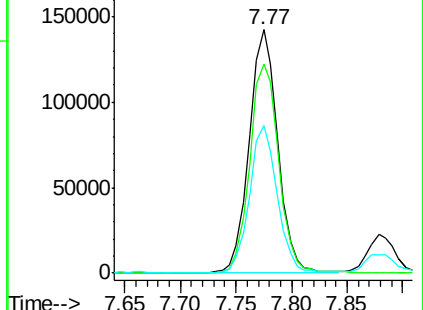
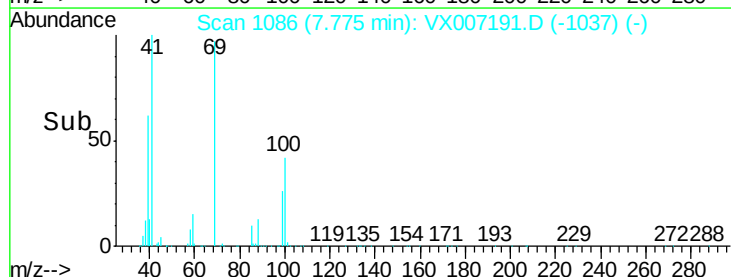
39 58.6 45.8 68.8

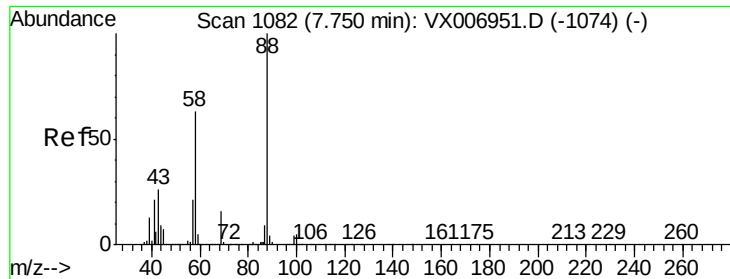


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

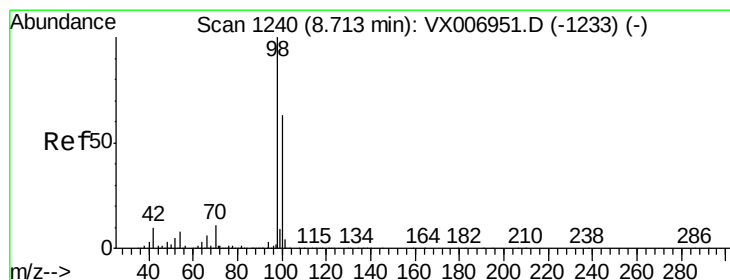
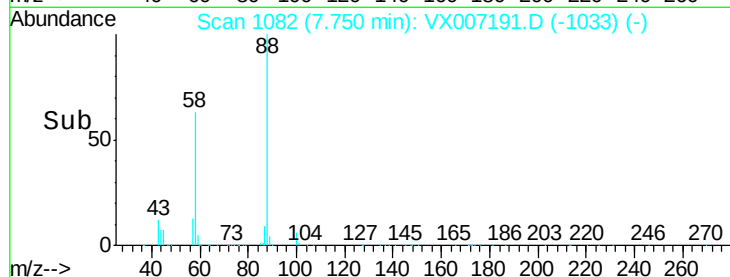
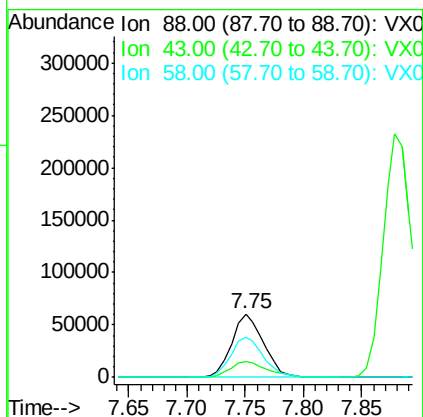
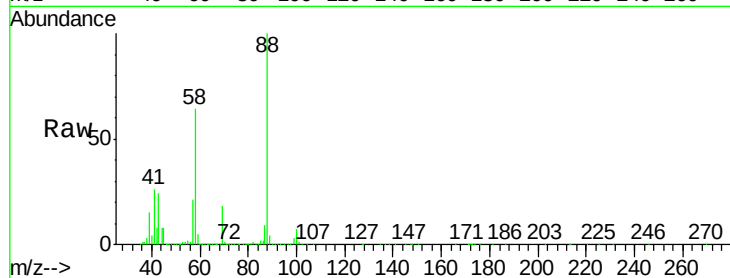




#49
 1,4-Dioxane
 Concen: 1010.385 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

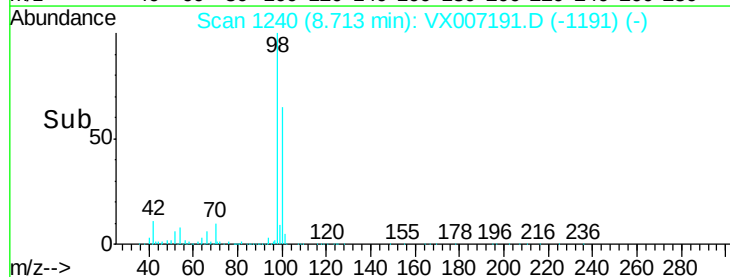
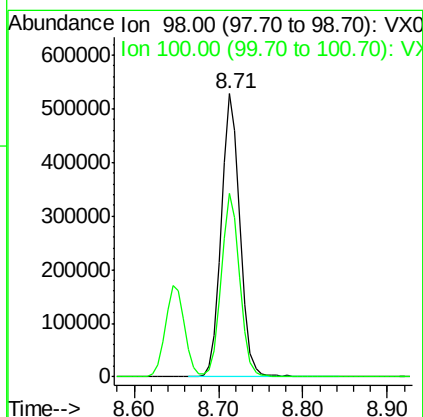
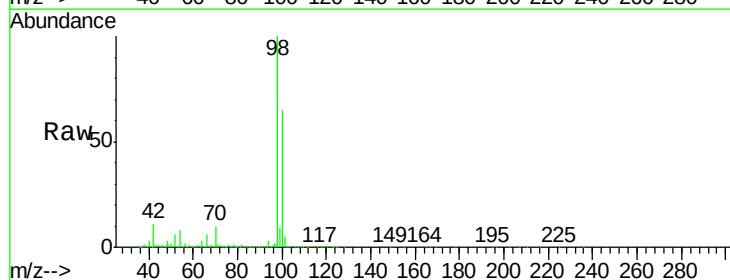
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

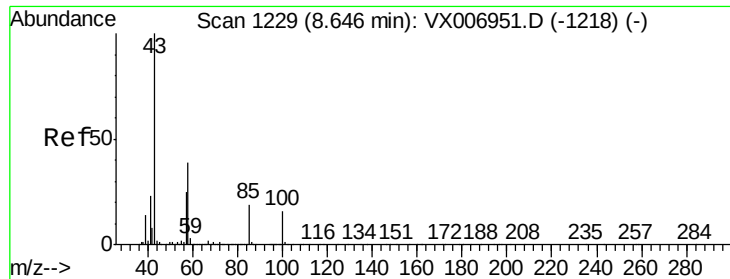
Tot Ion	88	Resp	115661
Ion	Ratio	Lower	Upper
88	100		
43	28.0	22.2	33.4
58	65.0	51.0	76.4



#50
 Toluene-d8
 Concen: 51.924 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion	98	Resp	808113
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 261.026 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 43 Resp: 1637546

Ion Ratio Lower Upper

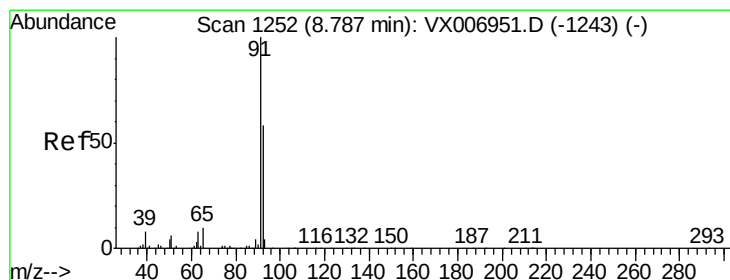
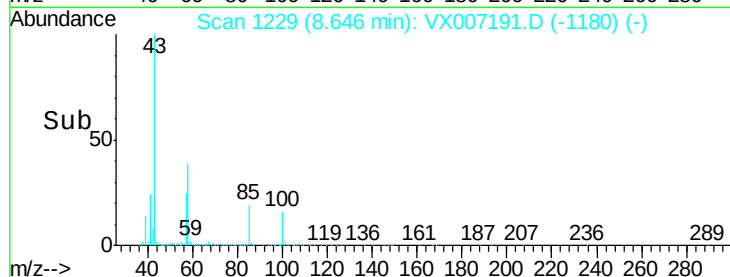
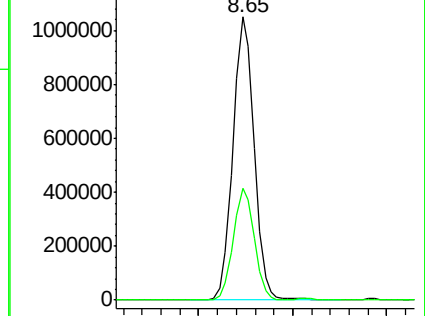
43 100

58 39.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 49.176 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007191.D

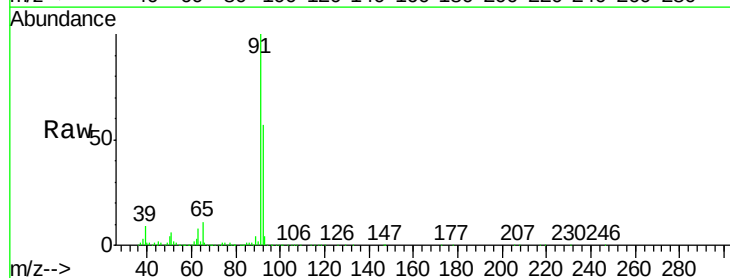
Acq: 22 Jan 2019 19:28

Tgt Ion: 92 Resp: 556718

Ion Ratio Lower Upper

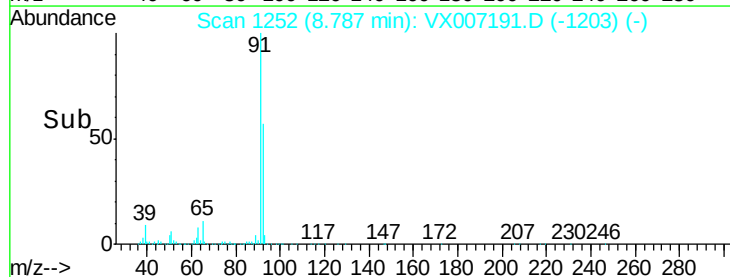
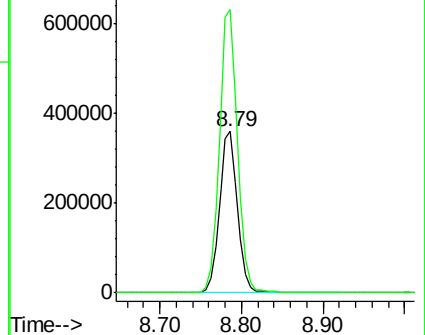
92 100

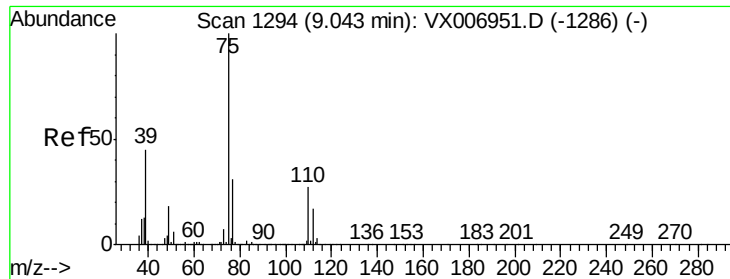
91 177.2 137.6 206.4



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: 51.512 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

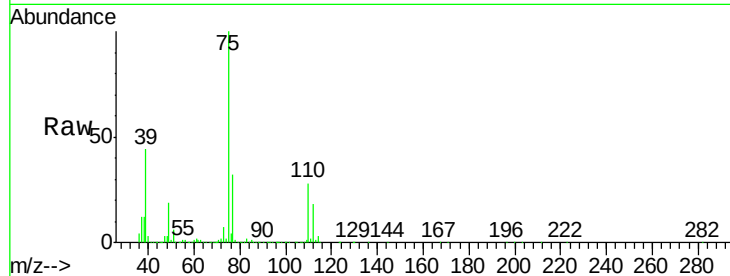
SA-TW524-2327MS

Tot Ion: 75 Resp: 302578

Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

250000

200000

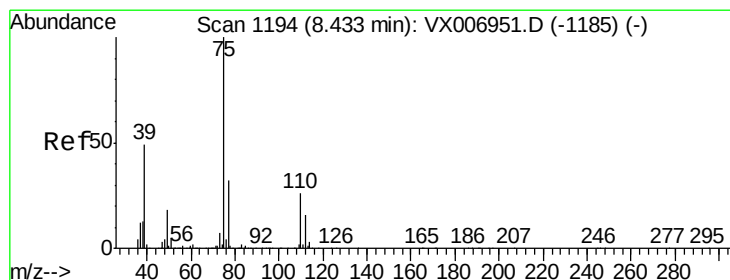
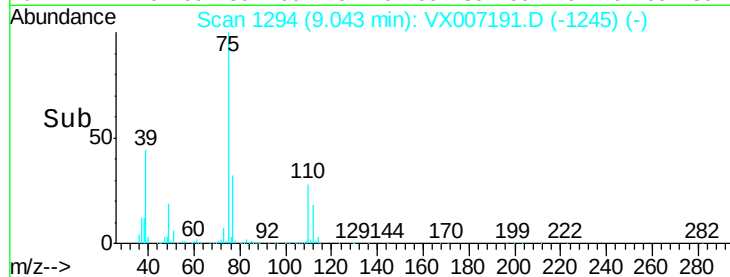
150000

100000

50000

0

Time--> 8.90 9.00 9.10



#54

cis-1,3-Dichloropropene

Concen: 50.252 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

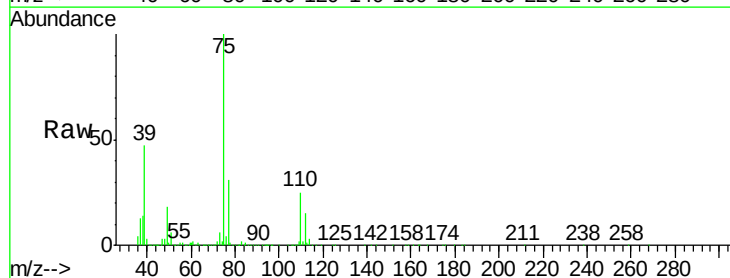
Tgt Ion: 75 Resp: 325980

Ion Ratio Lower Upper

75 100

77 30.7 26.2 39.2

39 46.7 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

250000

200000

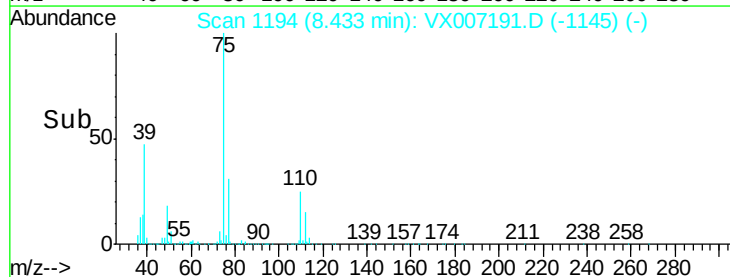
150000

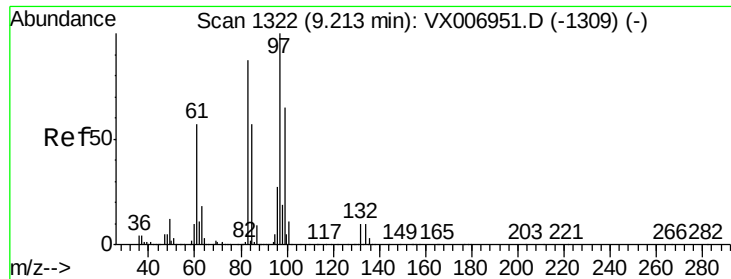
100000

50000

0

Time--> 8.35 8.40 8.45 8.50 8.55

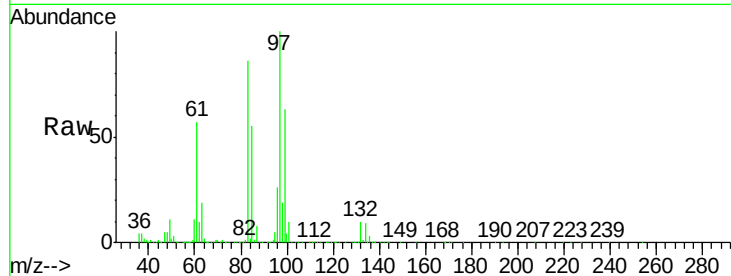




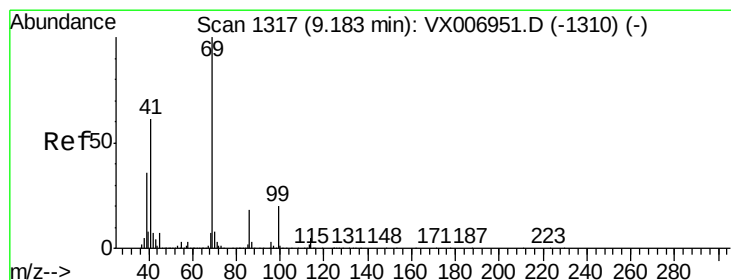
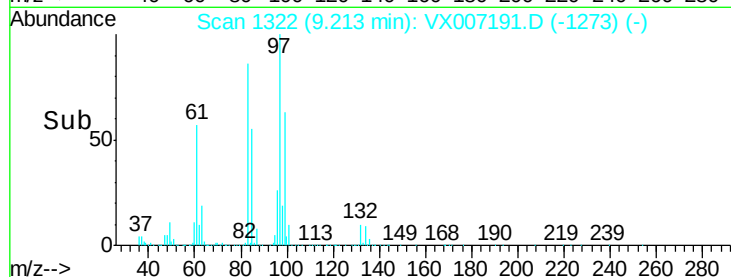
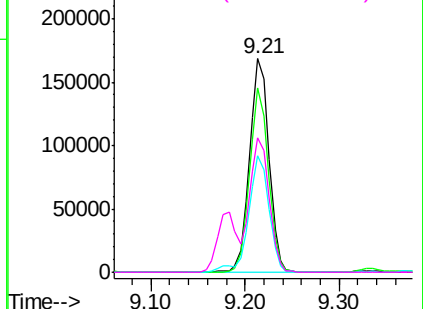
#55
 1,1,2-Trichloroethane
 Concen: 53.527 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

Tot Ion:	97	Resp:	242547
Ion	Ratio	Lower	Upper
97	100		
83	86.1	66.6	99.8
85	54.7	42.7	64.1
99	63.1	50.8	76.2

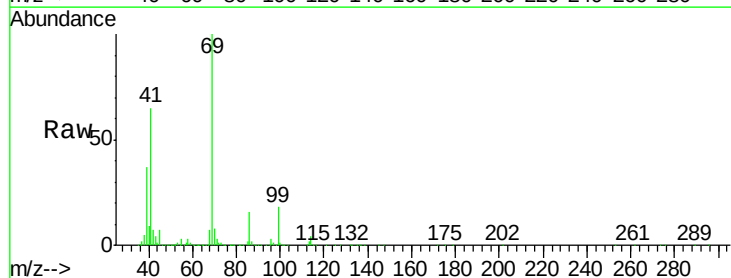


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

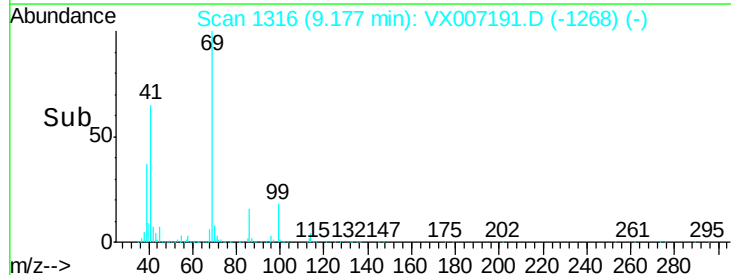
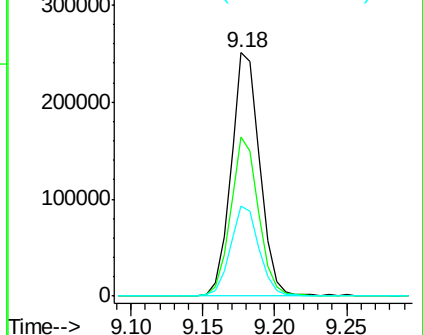


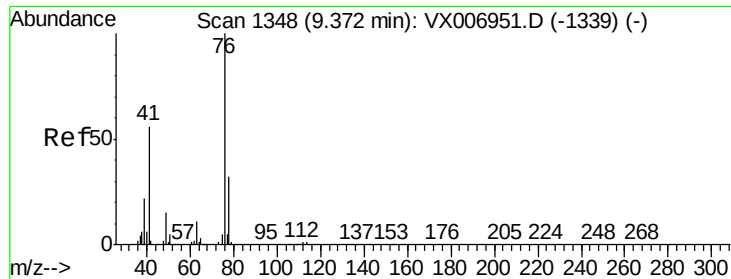
#56
 Ethyl methacrylate
 Concen: 52.701 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion:	69	Resp:	348623
Ion	Ratio	Lower	Upper
69	100		
41	63.6	48.7	73.1
39	36.9	27.0	40.6



Abundance Ion 69.00 (68.70 to 69.70): VX0
 Ion 41.00 (40.70 to 41.70): VX0
 Ion 39.00 (38.70 to 39.70): VX0

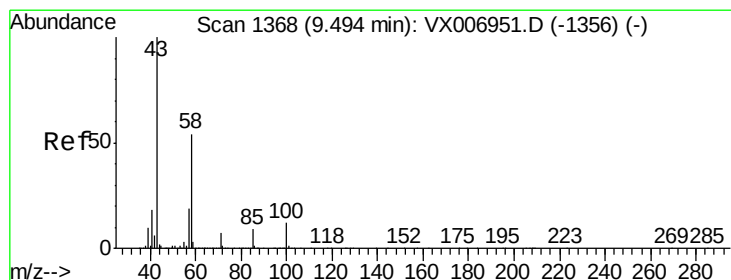
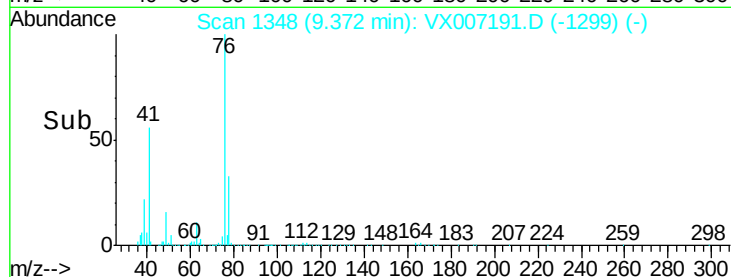
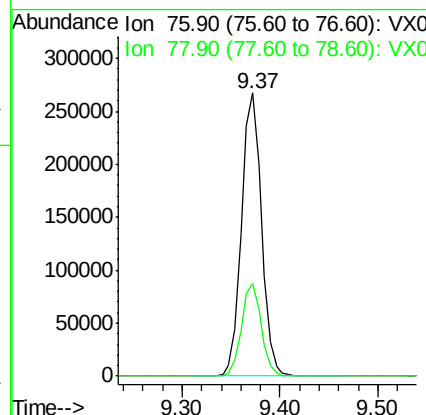
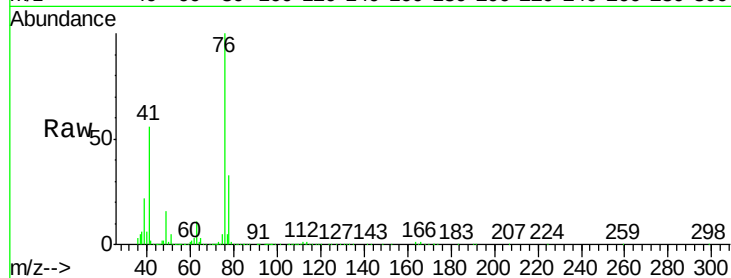




#57
 1,3-Dichloropropane
 Concen: 51.153 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

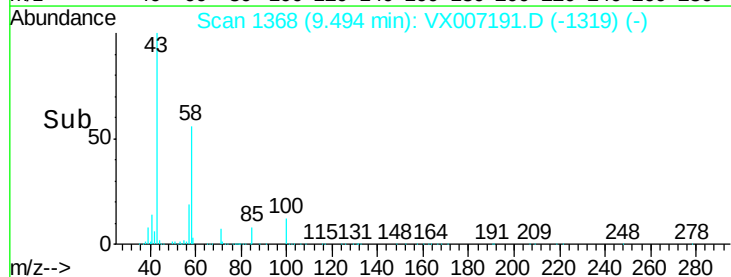
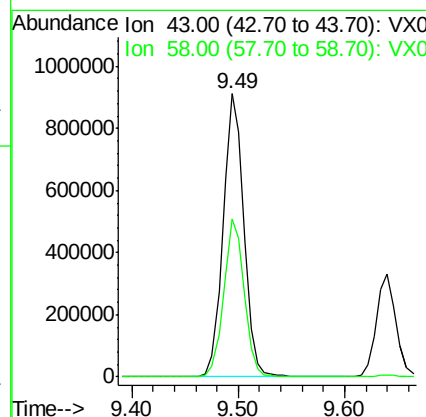
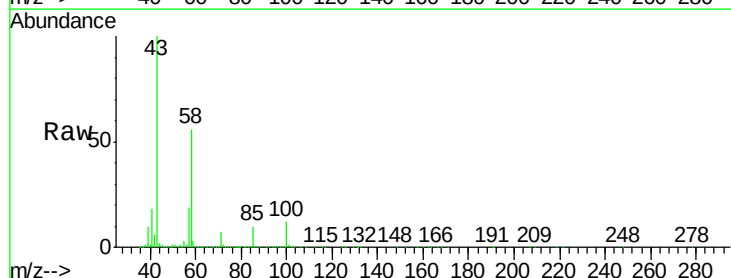
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

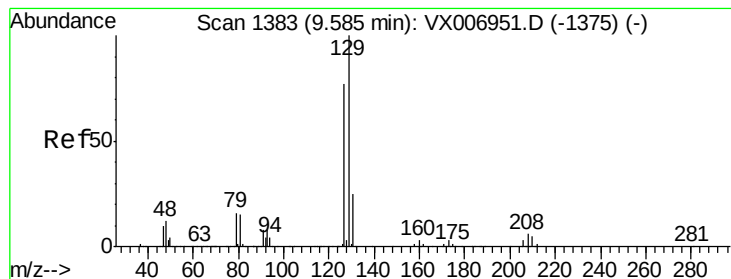
Tot Ion: 76 Resp: 379742
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.0 39.0



#59
 2-Hexanone
 Concen: 258.361 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion: 43 Resp: 1235161
 Ion Ratio Lower Upper
 43 100
 58 55.2 27.7 83.1





#60

Dibromochloromethane

Concen: 55.978 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

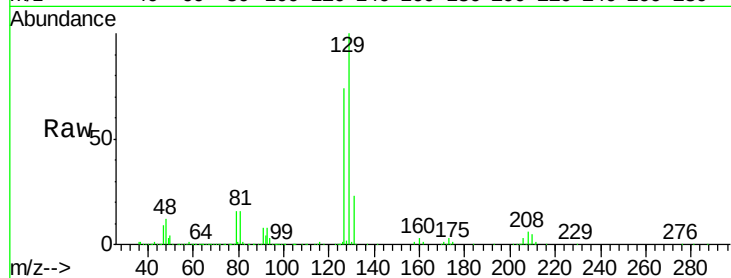
SA-TW524-2327MS

Tot Ion:129 Resp: 246308

Ion Ratio Lower Upper

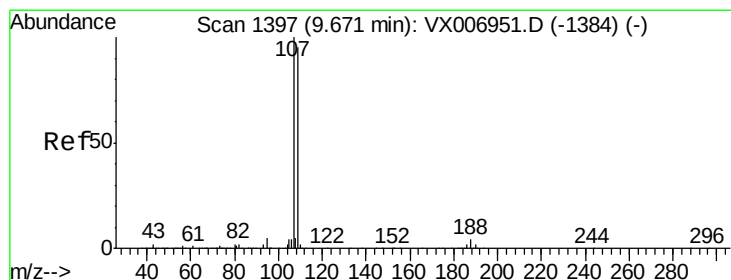
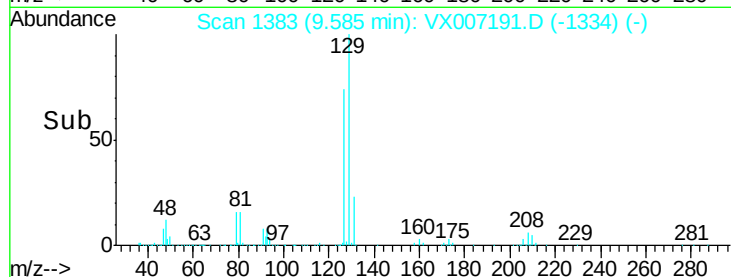
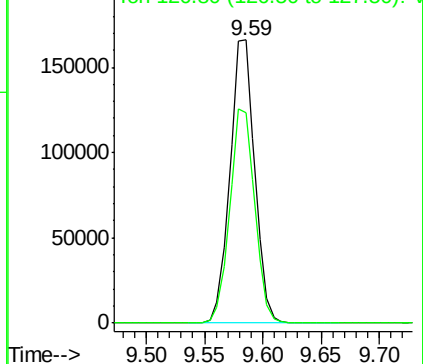
129 100

127 76.0 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 51.493 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX007191.D

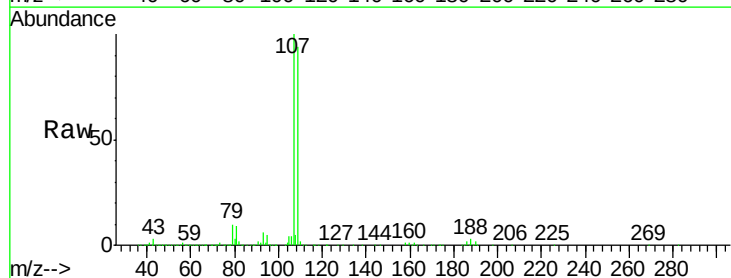
Acq: 22 Jan 2019 19:28

Tgt Ion:107 Resp: 256874

Ion Ratio Lower Upper

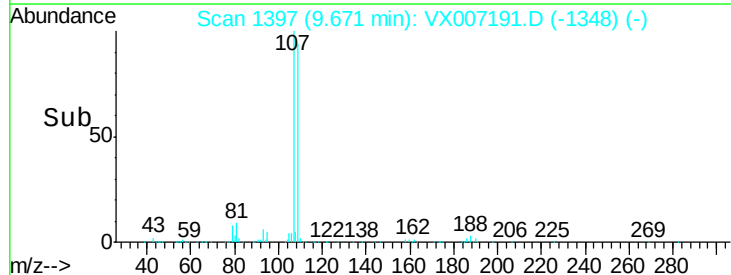
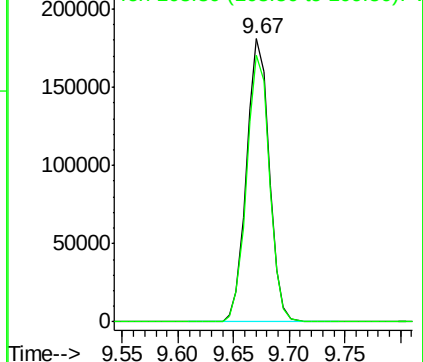
107 100

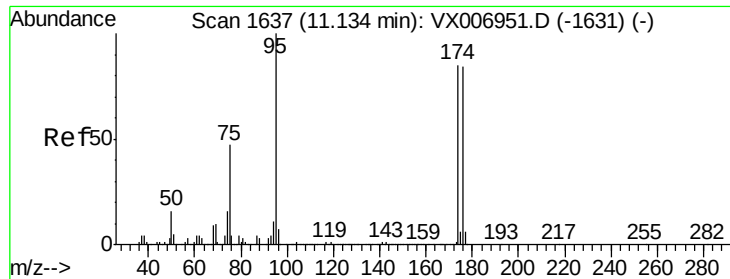
109 94.7 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 54.419 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

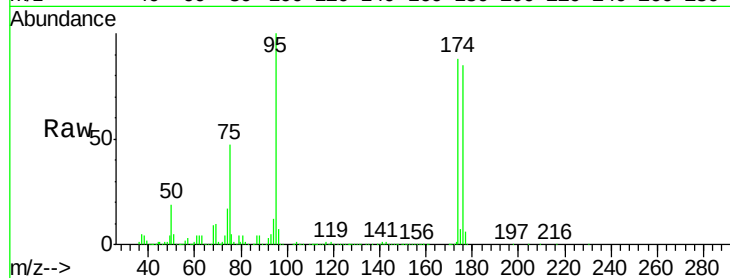
Tot Ion: 95 Resp: 295263

Ion Ratio Lower Upper

95 100

174 92.9 0.0 182.2

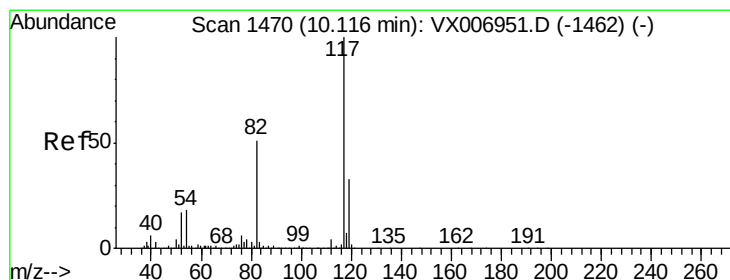
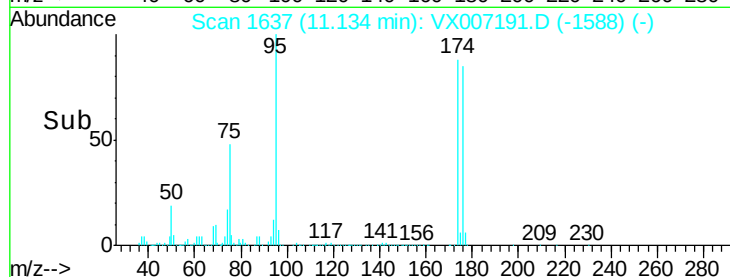
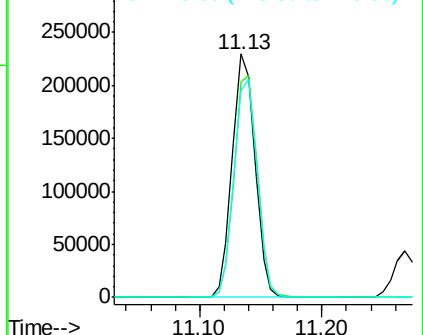
176 91.6 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

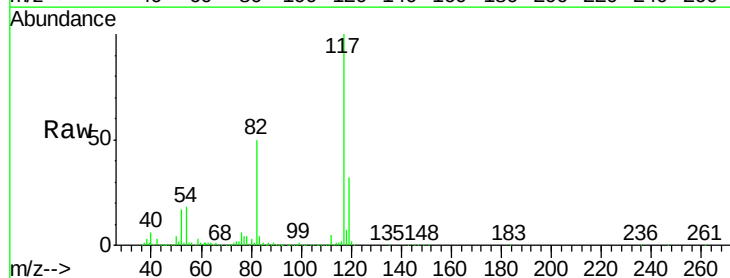
Tgt Ion: 117 Resp: 624670

Ion Ratio Lower Upper

117 100

82 49.6 41.0 61.6

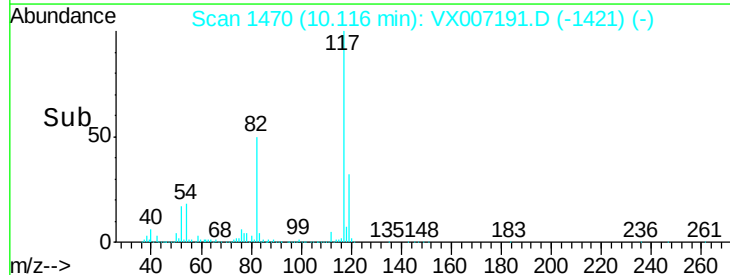
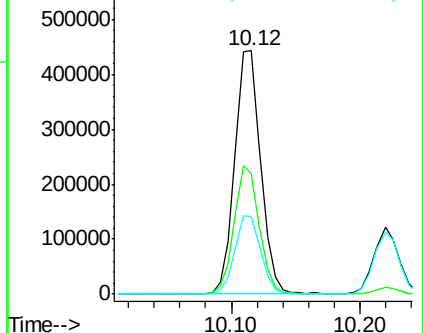
119 31.9 25.4 38.0

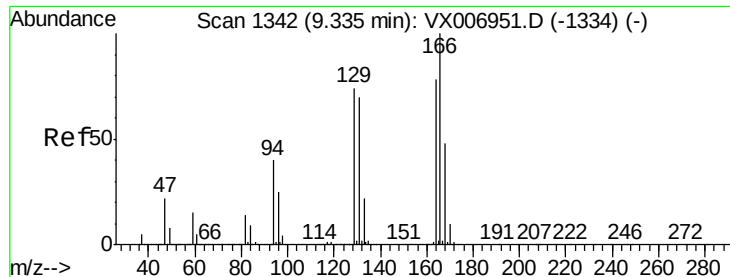


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)





#64

Tetrachloroethene

Concen: 47.050 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion:164 Resp: 254456

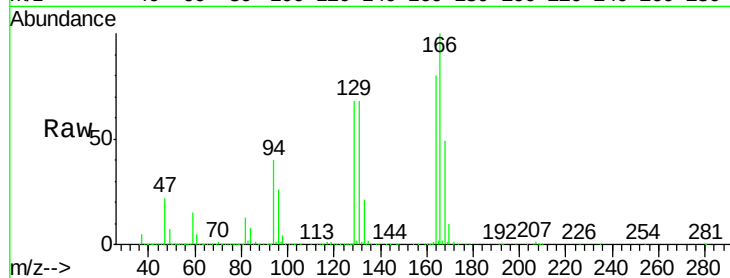
Ion Ratio Lower Upper

164 100

166 125.2 102.5 153.7

129 84.6 75.1 112.7

131 85.4 72.7 109.1

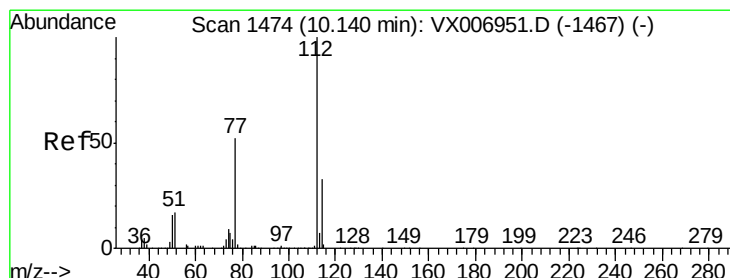
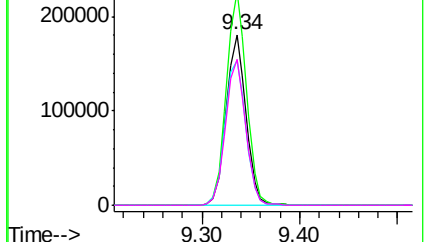
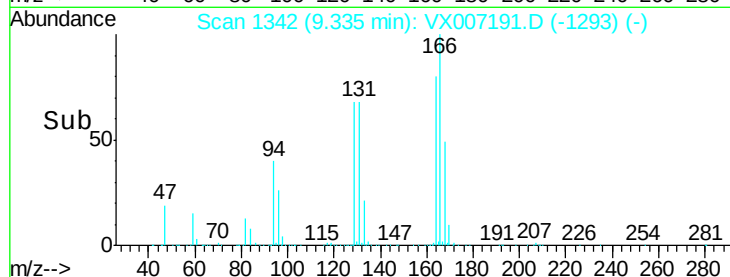


Abundance Ion 163.80 (163.50 to 164.50): V

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: 48.195 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

Lab File: VX007191.D

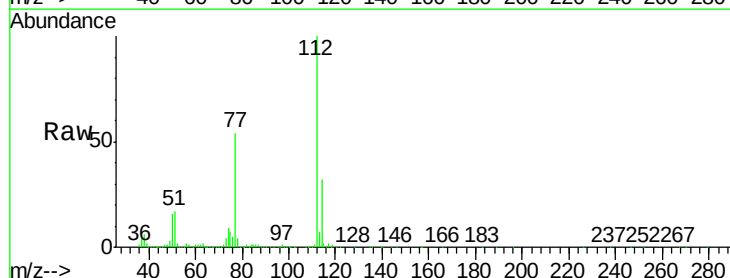
Acq: 22 Jan 2019 19:28

Tgt Ion:112 Resp: 656622

Ion Ratio Lower Upper

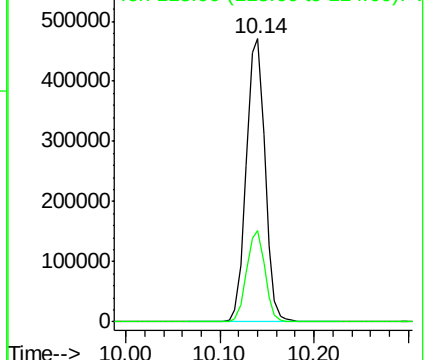
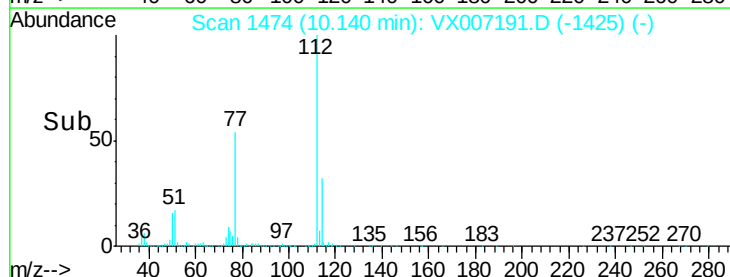
112 100

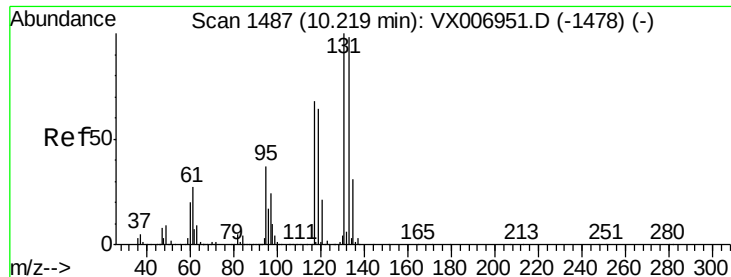
114 32.2 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

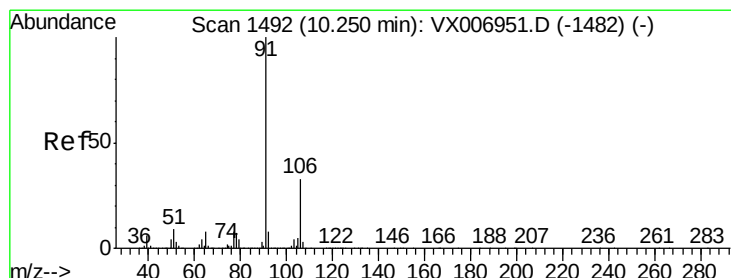
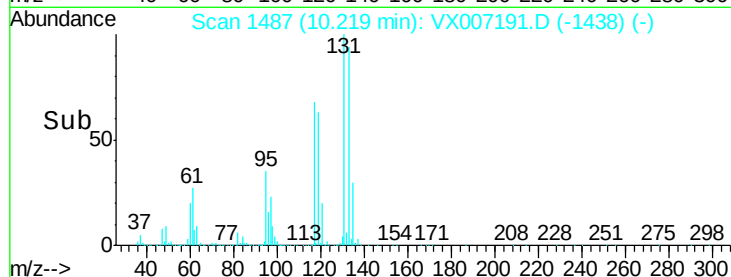
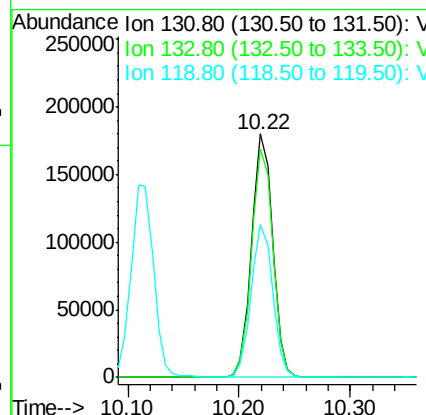
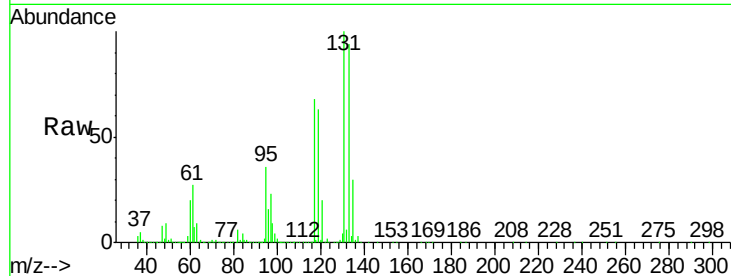




#66
 1,1,1,2-Tetrachloroethane
 Concen: 51.847 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

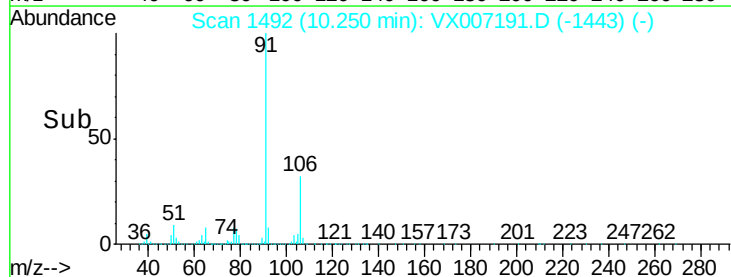
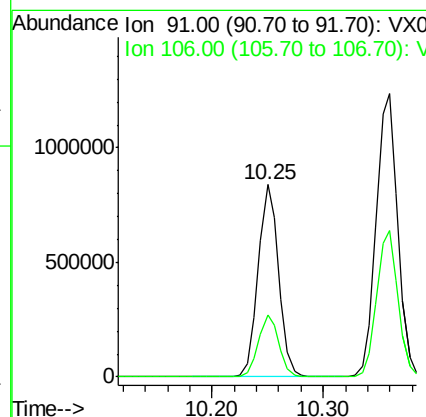
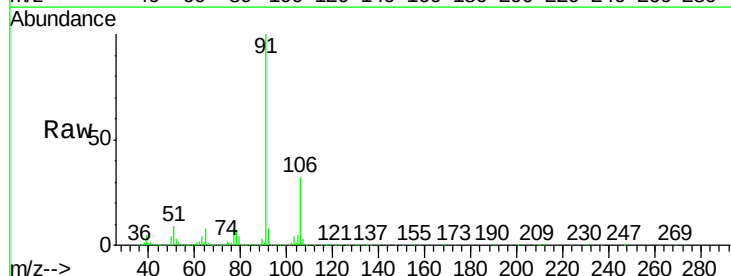
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

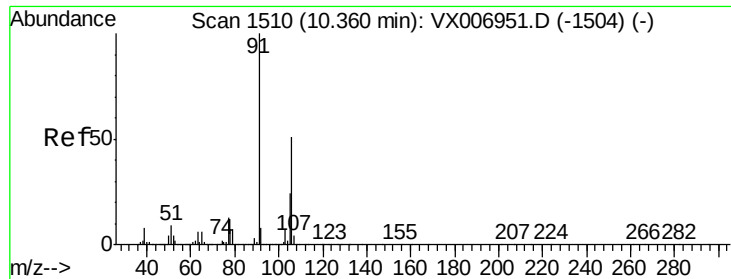
Tot Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.2
119	64.2	32.6	97.8



#67
 Ethyl Benzene
 Concen: 47.927 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	26.4	39.6





#68

m/p-Xylenes

Concen: 96.384 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

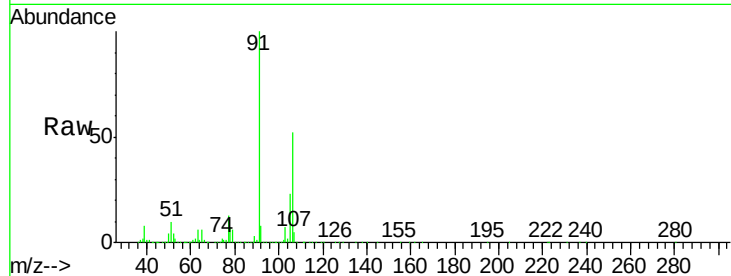
SA-TW524-2327MS

Tot Ion:106 Resp: 854113

Ion Ratio Lower Upper

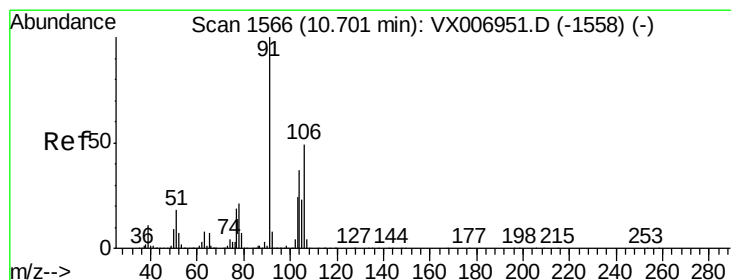
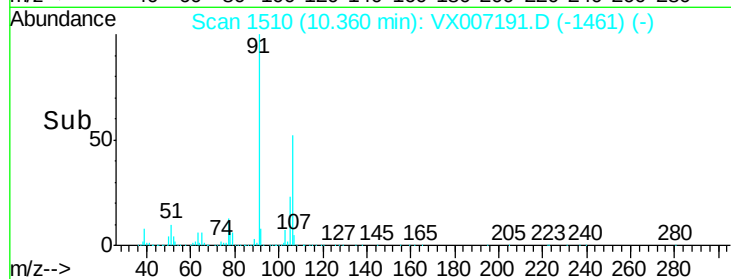
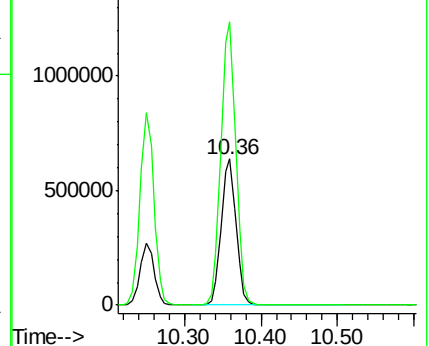
106 100

91 195.7 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 48.742 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VX007191.D

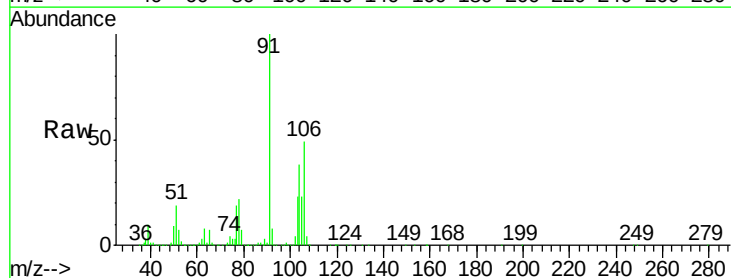
Acq: 22 Jan 2019 19:28

Tgt Ion:106 Resp: 421245

Ion Ratio Lower Upper

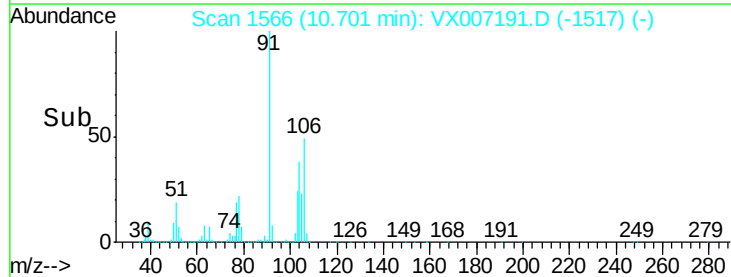
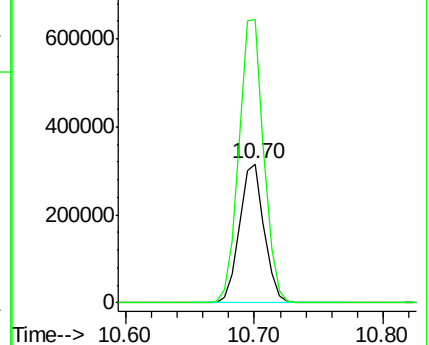
106 100

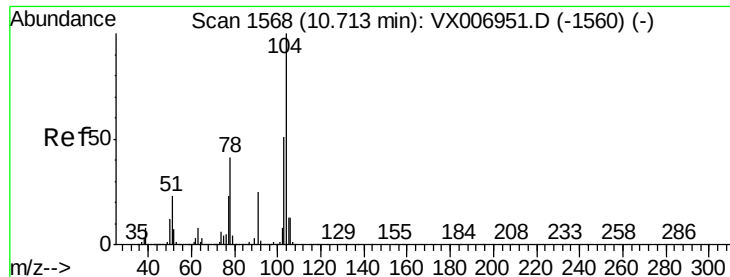
91 205.8 101.3 303.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#70

Stvrene

Concen: 49.695 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

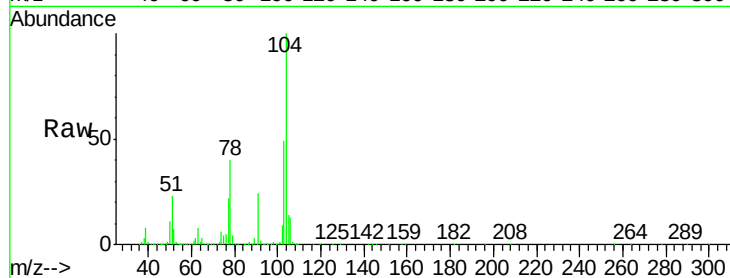
Tot Ion:104 Resp: 680204

Ion Ratio Lower Upper

104 100

78 47.3 37.7 56.5

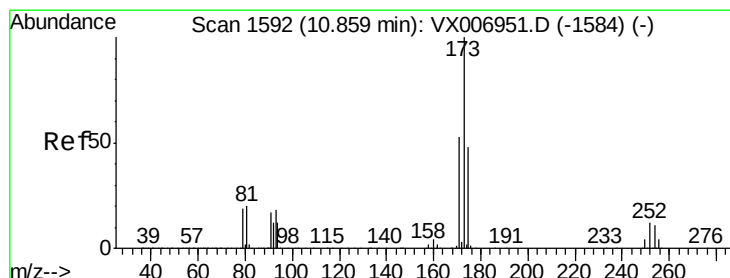
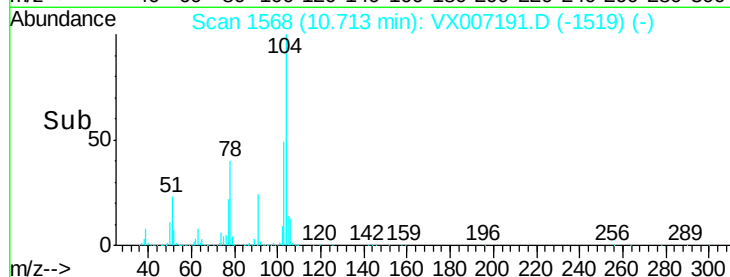
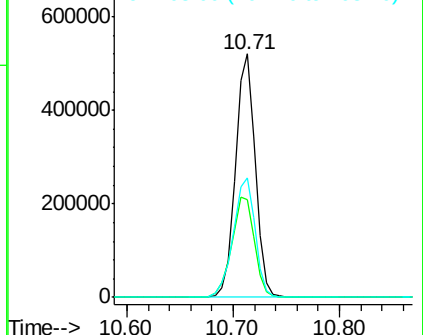
103 54.7 43.8 65.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 45.139 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

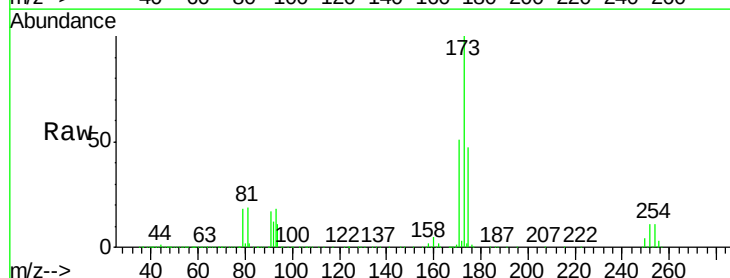
Tgt Ion:173 Resp: 183010

Ion Ratio Lower Upper

173 100

175 49.2 24.7 74.1

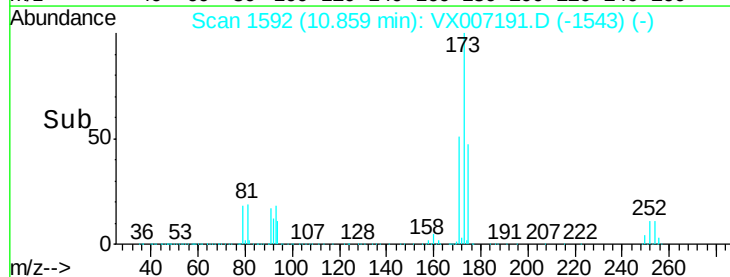
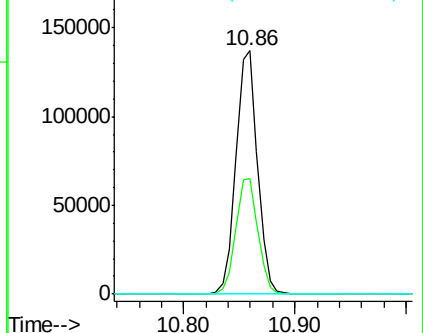
254 0.1 0.2 0.2#

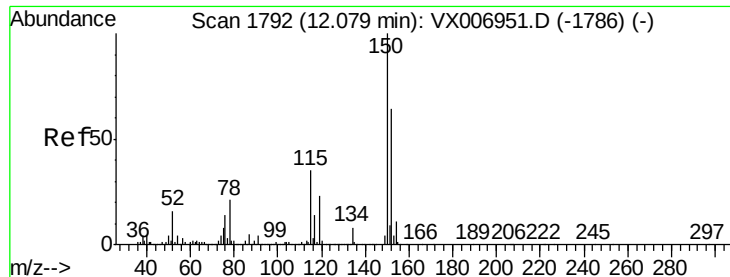


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

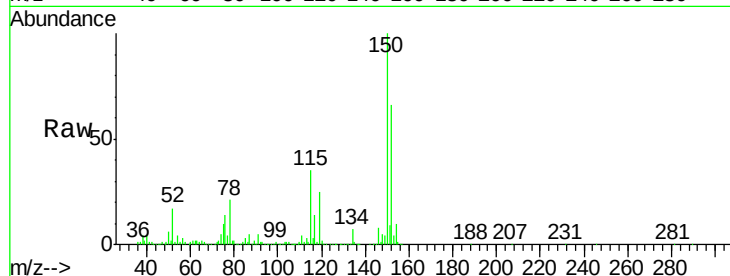
Tot Ion:152 Resp: 327075

Ion Ratio Lower Upper

152 100

115 77.2 39.1 117.2

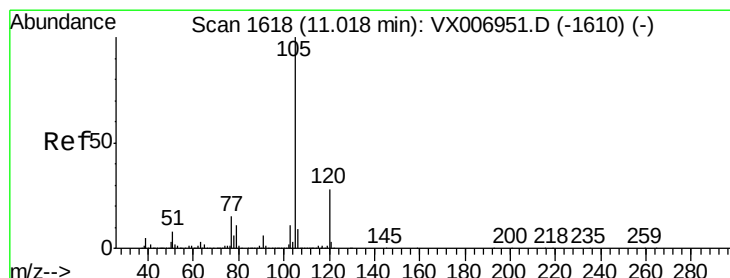
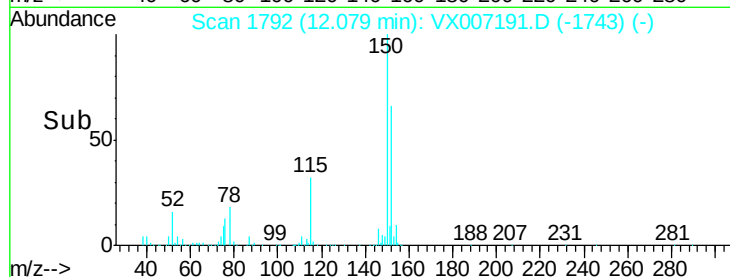
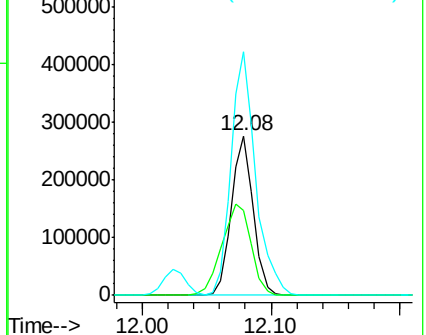
150 172.8 0.0 344.8



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: 48.728 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007191.D

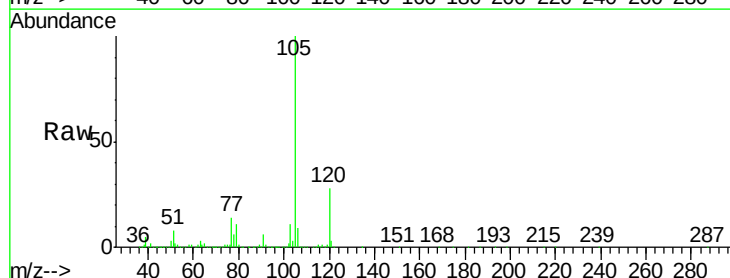
Acq: 22 Jan 2019 19:28

Tgt Ion:105 Resp: 1123829

Ion Ratio Lower Upper

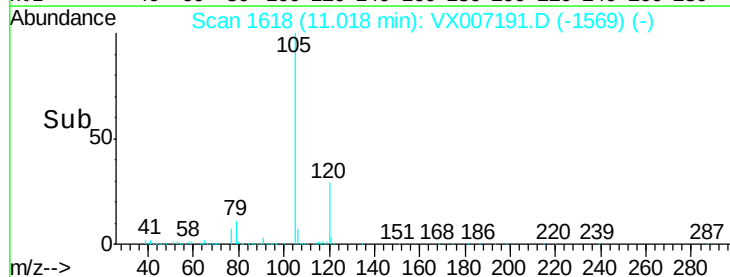
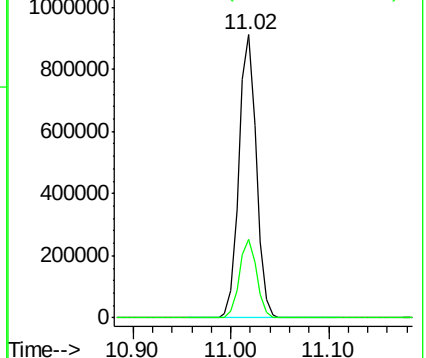
105 100

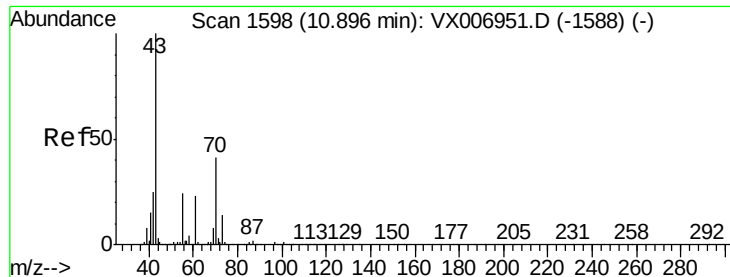
120 27.5 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.619 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion: 43 Resp: 423613

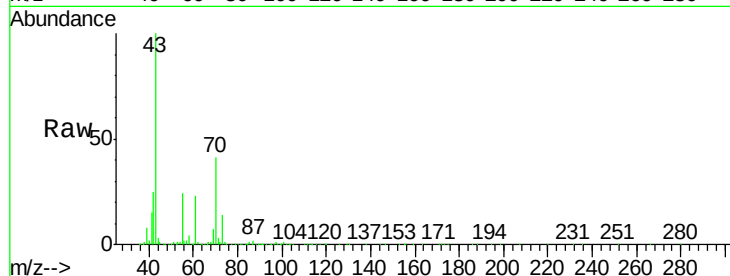
Ion Ratio Lower Upper

43 100

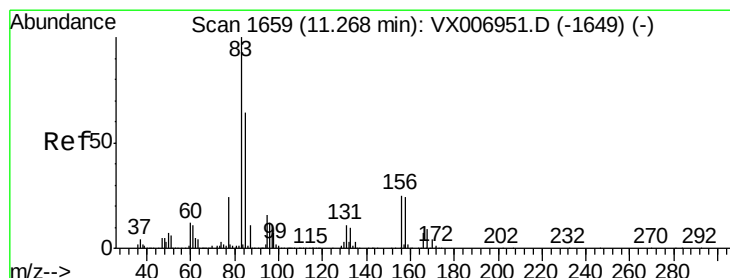
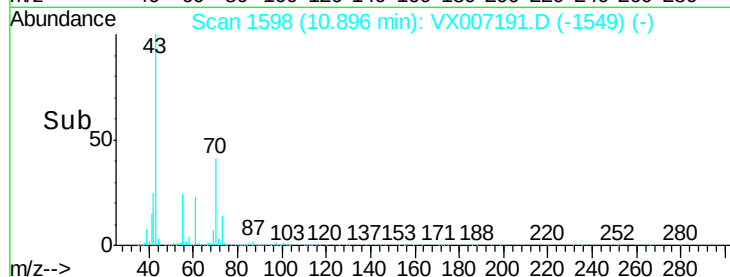
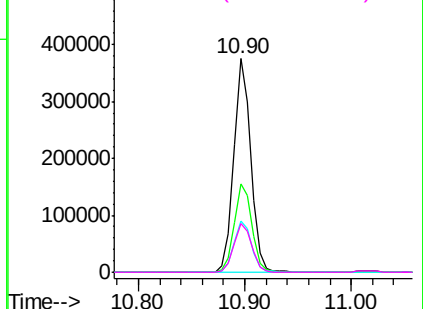
70 42.7 35.8 53.8

55 24.9 19.4 29.0

61 24.1 20.1 30.1



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: 48.131 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

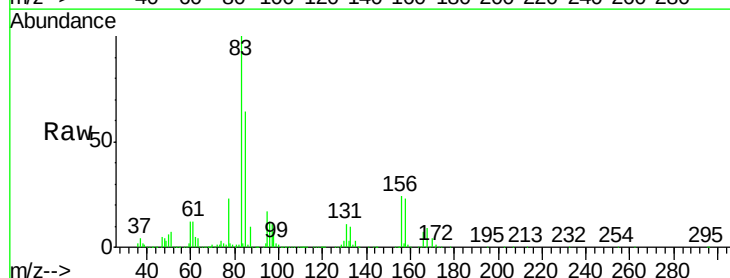
Tgt Ion: 83 Resp: 352404

Ion Ratio Lower Upper

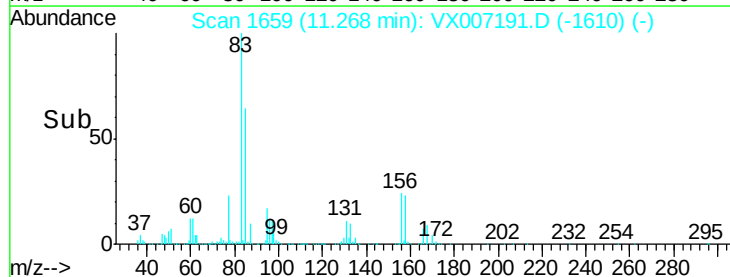
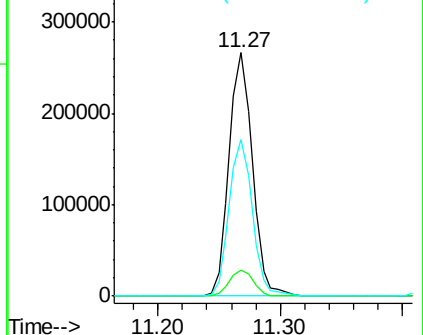
83 100

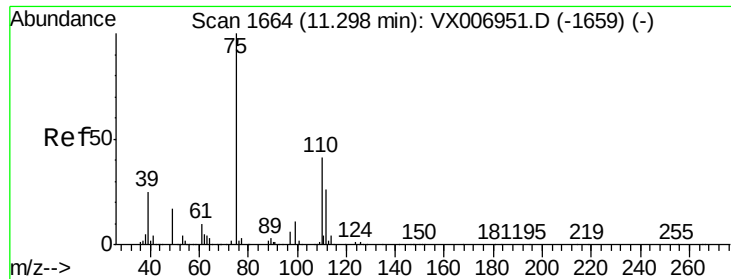
131 11.0 5.7 17.1

85 64.0 32.2 96.6



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

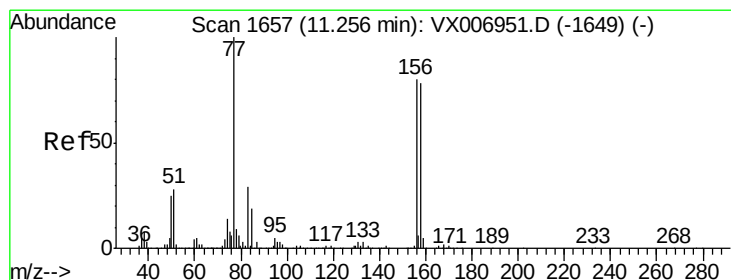
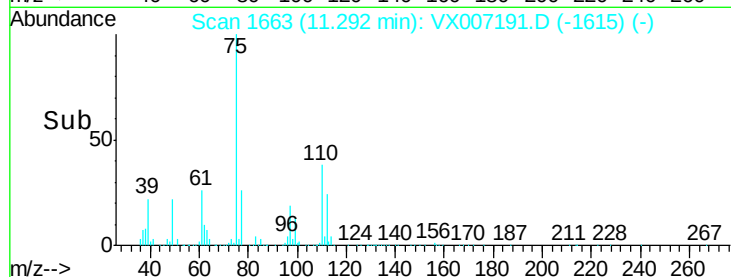
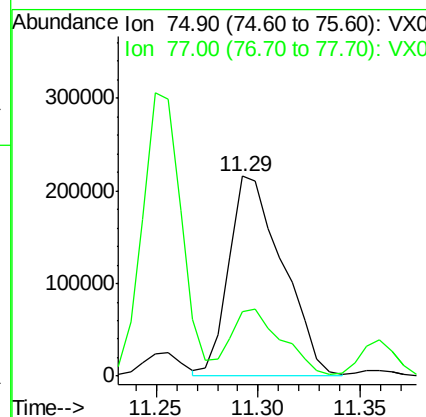
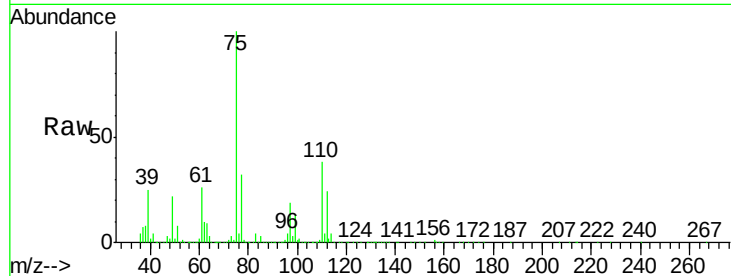




#76
 1,2,3-Trichloropropane
 Concen: 59.518 ug/l
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.01 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

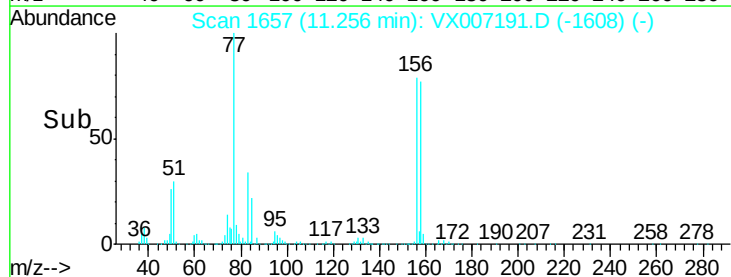
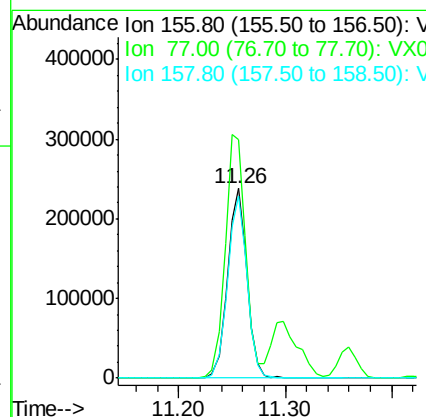
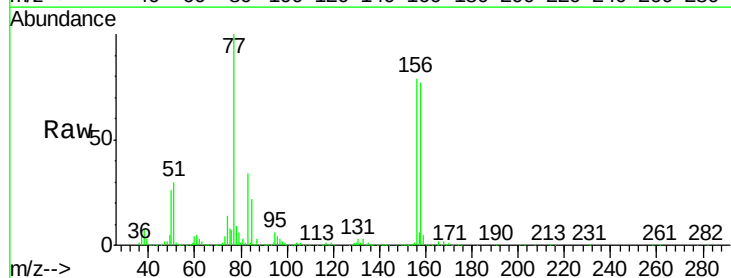
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

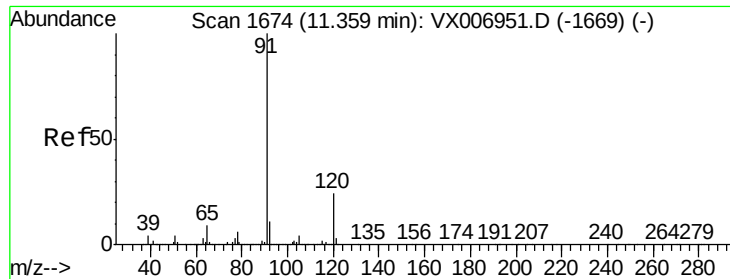
Tot Ion: 75 Resp: 394489
 Ion Ratio Lower Upper
 75 100
 77 30.9 18.5 55.5



#77
 Bromobenzene
 Concen: 47.339 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion: 156 Resp: 300834
 Ion Ratio Lower Upper
 156 100
 77 134.2 68.0 204.0
 158 96.8 48.3 144.8





#78

n-propylbenzene

Concen: 49.026 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

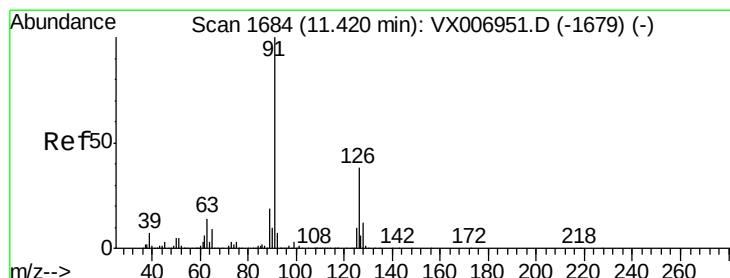
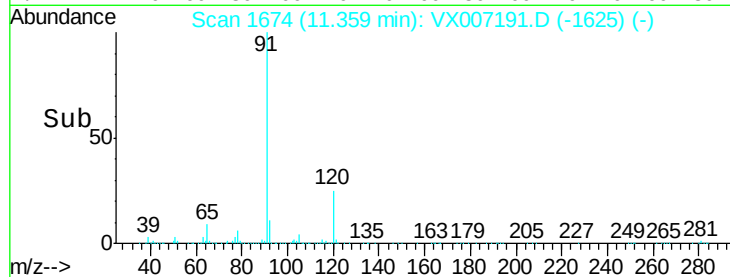
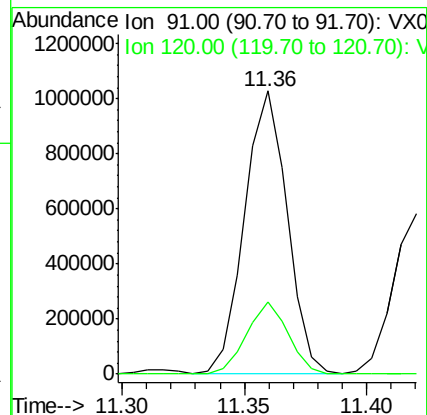
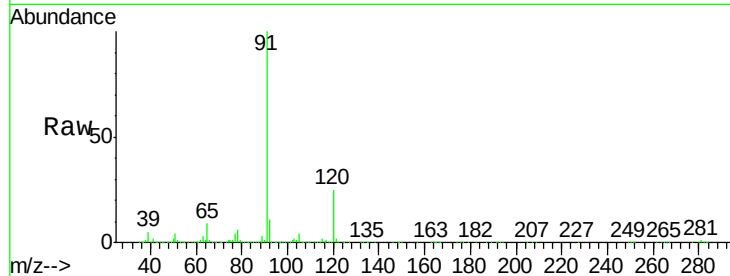
SA-TW524-2327MS

Tot Ion: 91 Resp: 1241263

Ion Ratio Lower Upper

91 100

120 24.9 12.7 38.0



#79

2-Chlorotoluene

Concen: 47.490 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX007191.D

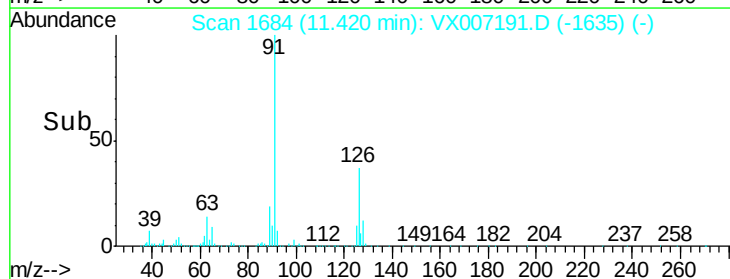
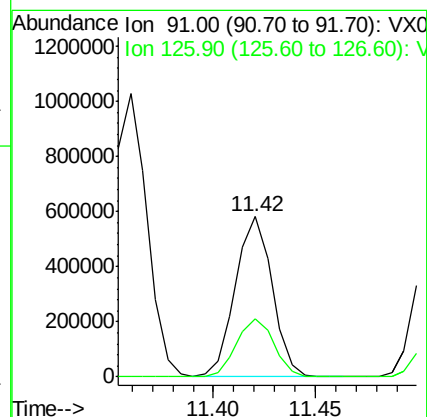
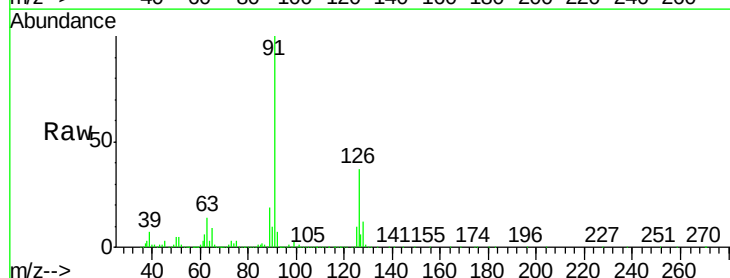
Acq: 22 Jan 2019 19:28

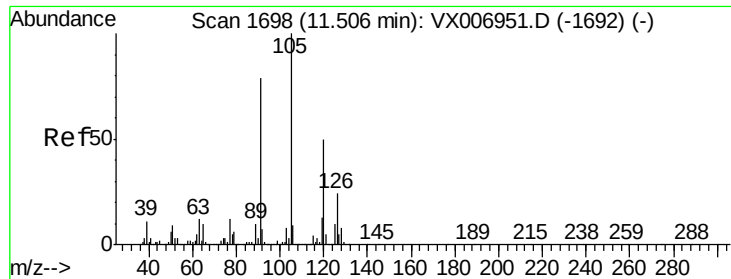
Tgt Ion: 91 Resp: 723779

Ion Ratio Lower Upper

91 100

126 37.5 18.6 56.0

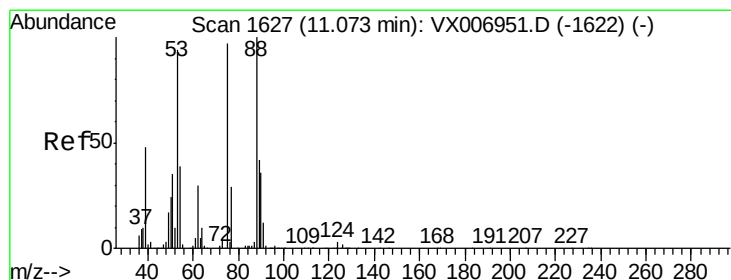
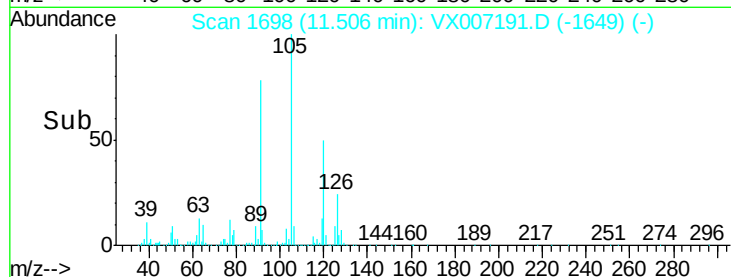
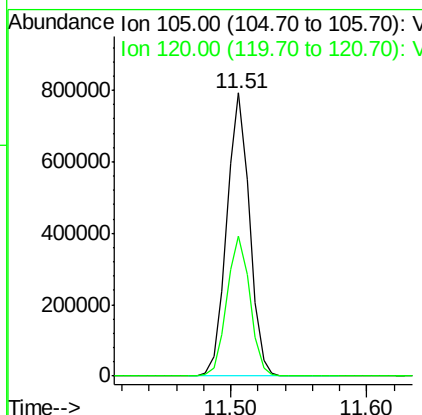
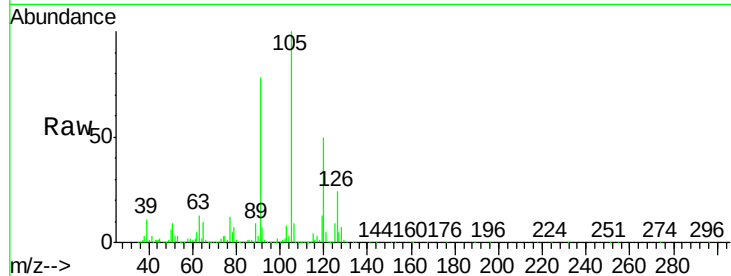




#80
 1,3,5-Trimethylbenzene
 Concen: 47.391 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

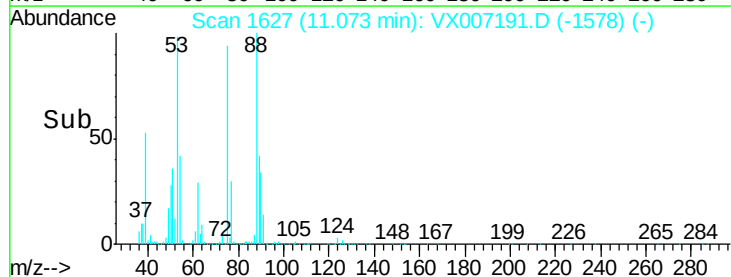
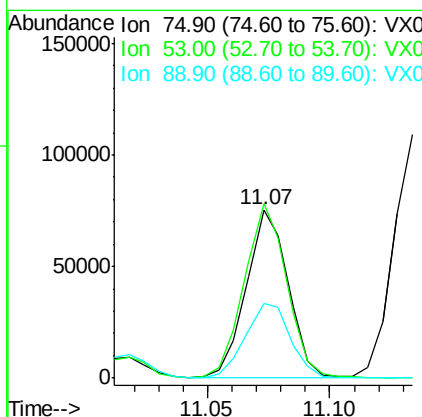
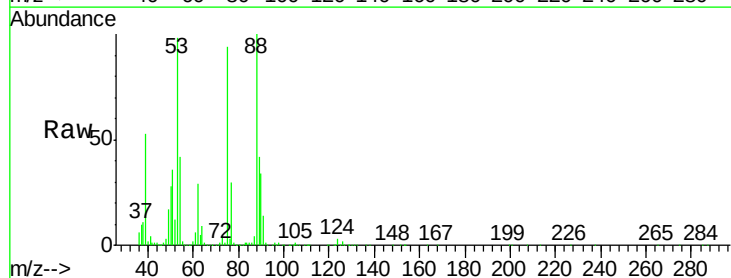
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

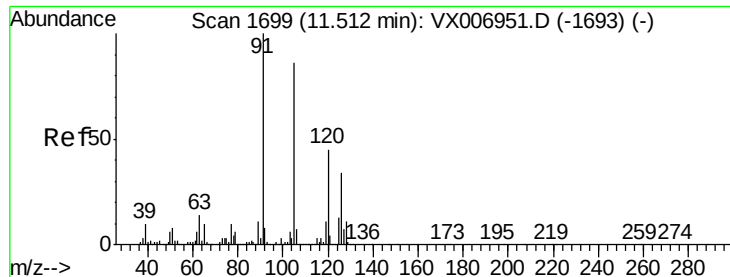
Tot Ion:105 Resp: 913274
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.1 75.3



#81
 trans-1,4-Dichloro-2-butene
 Concen: 41.588 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion: 75 Resp: 89827
 Ion Ratio Lower Upper
 75 100
 53 104.5 79.7 119.5
 89 48.2 38.0 57.0





#82

4-Chlorotoluene

Concen: 47.755 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

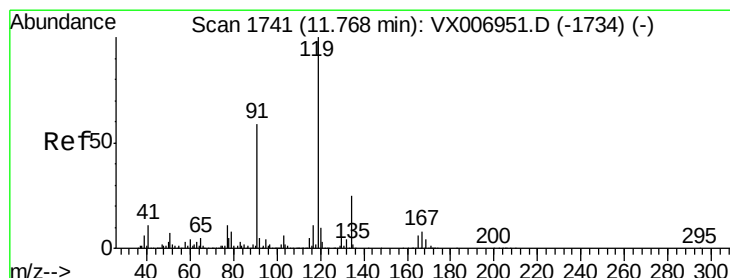
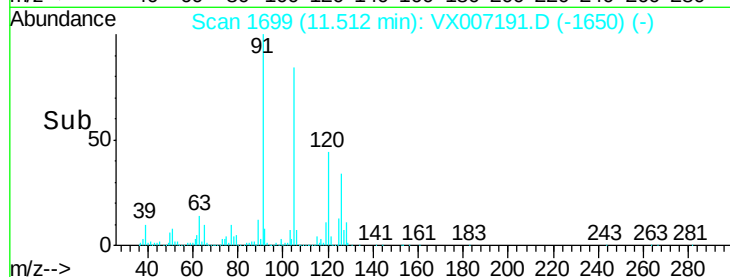
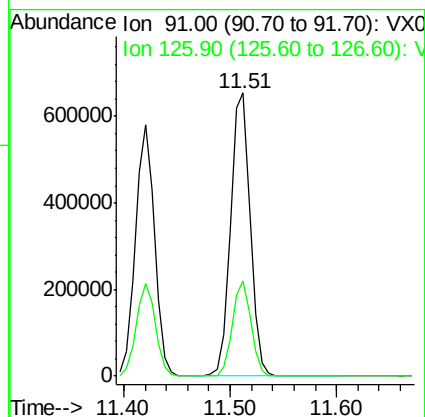
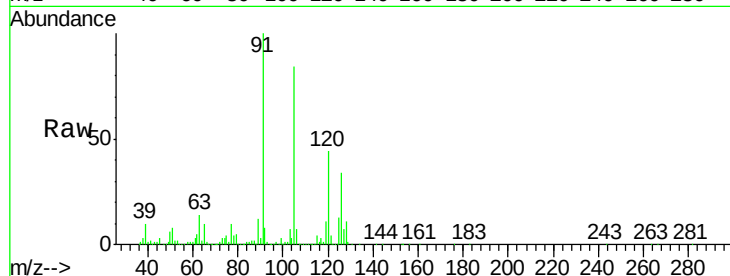
SA-TW524-2327MS

Tot Ion: 91 Resp: 842706

Ion Ratio Lower Upper

91 100

126 32.3 16.3 48.9



#83

tert-Butylbenzene

Concen: 47.361 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

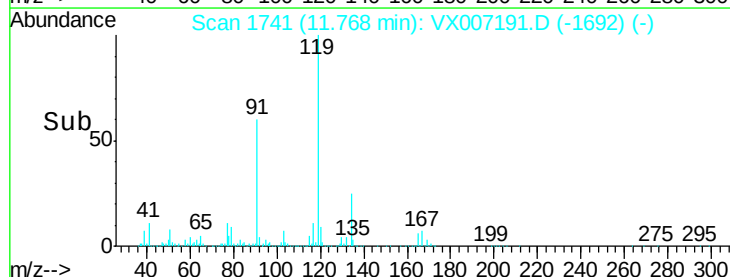
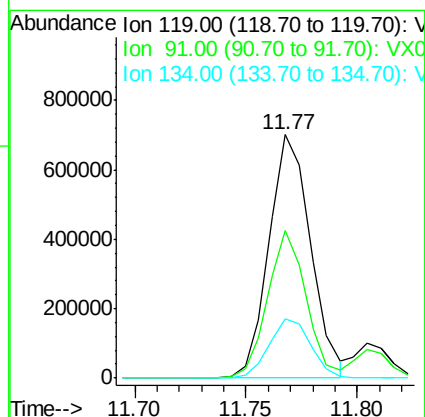
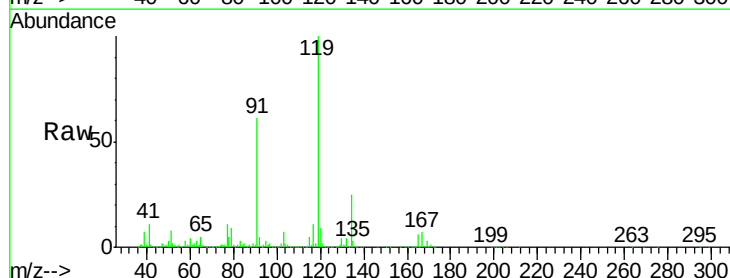
Tgt Ion: 119 Resp: 910631

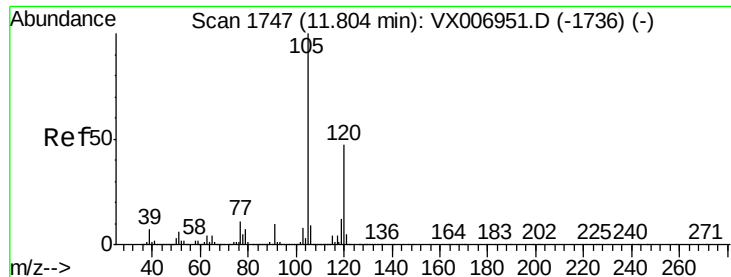
Ion Ratio Lower Upper

119 100

91 56.2 27.7 83.1

134 24.4 11.9 35.5

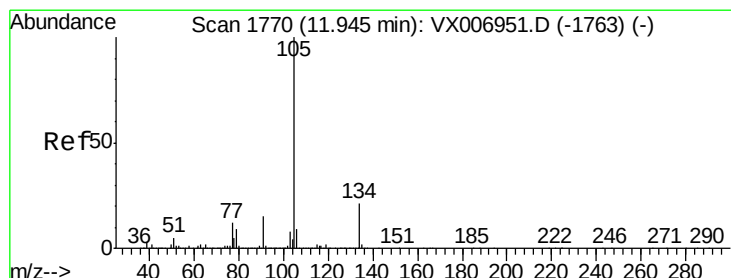
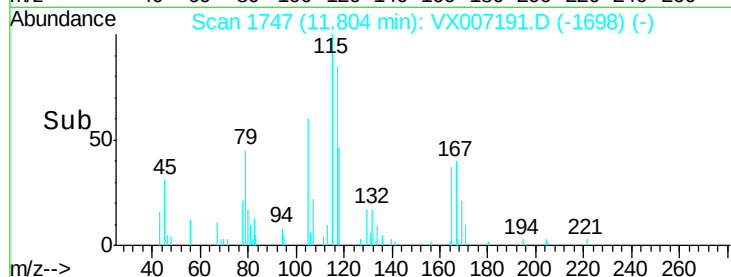
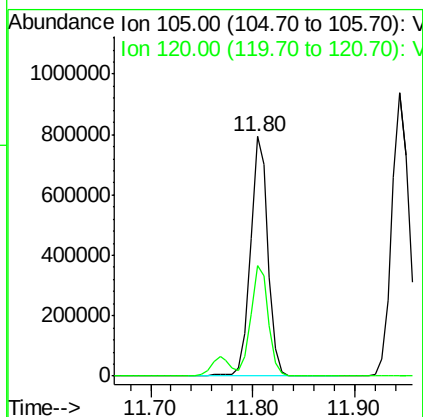
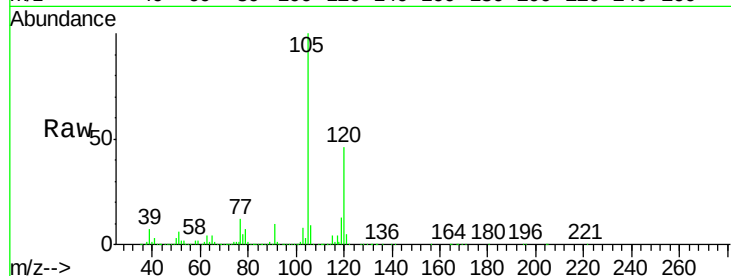




#84
 1,2,4-Trimethylbenzene
 Concen: 48.684 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

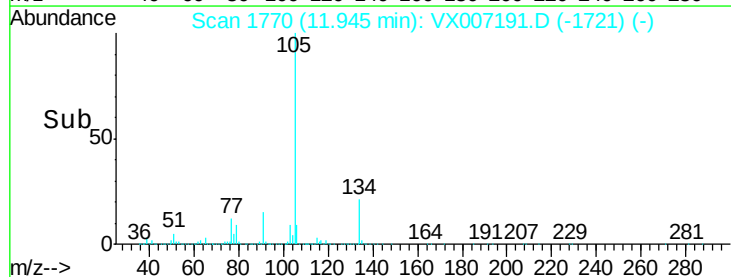
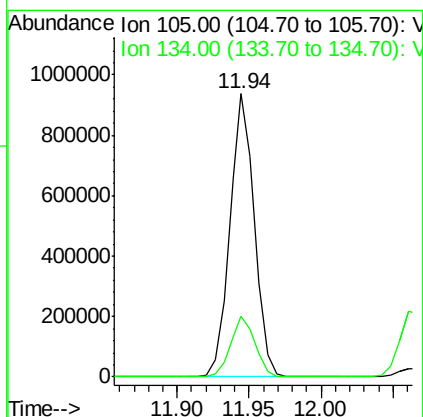
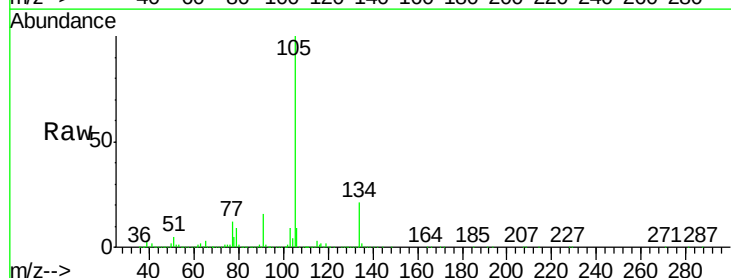
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

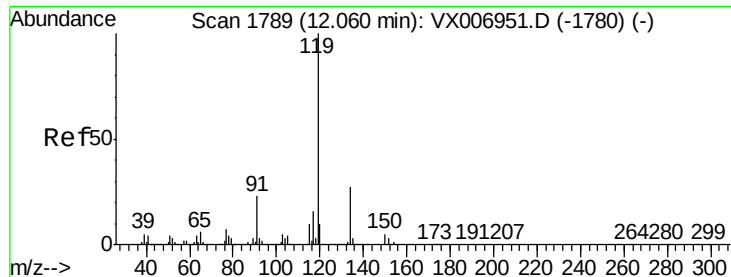
Tot Ion:105 Resp: 943437
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.6



#85
 sec-Butylbenzene
 Concen: 48.470 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Tgt Ion:105 Resp: 1113000
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 31.9





#86

p-Isopropyltoluene

Concen: 48.443 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

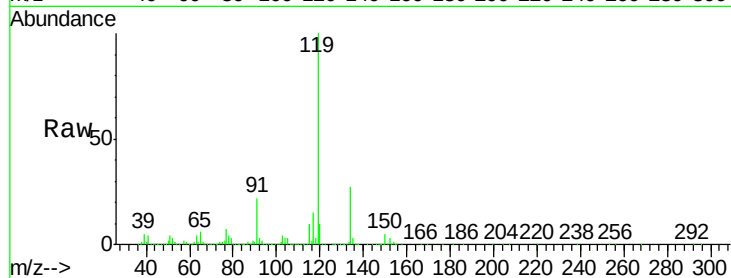
Tot Ion:119 Resp: 995004

Ion Ratio Lower Upper

119 100

134 27.1 14.0 41.9

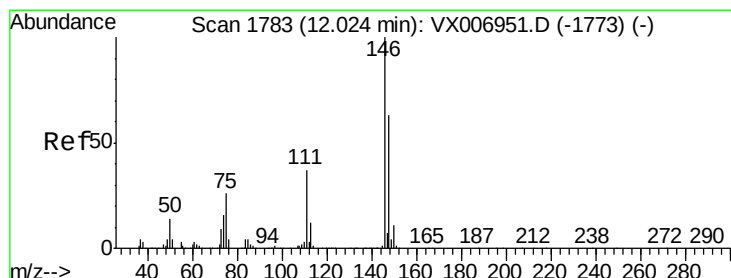
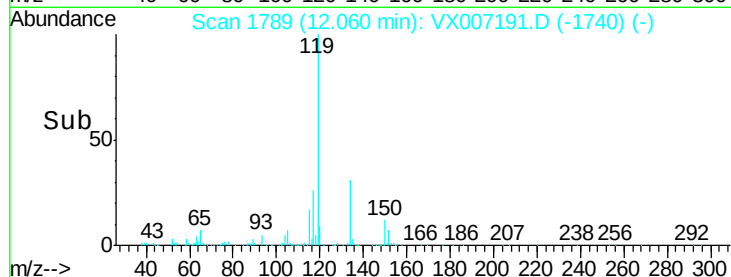
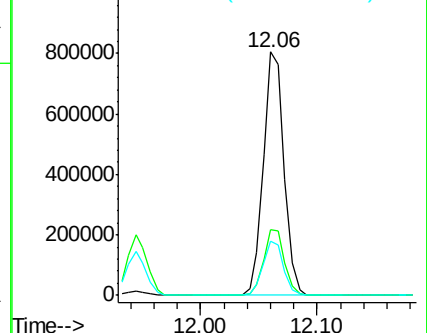
91 22.1 11.3 33.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 47.124 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

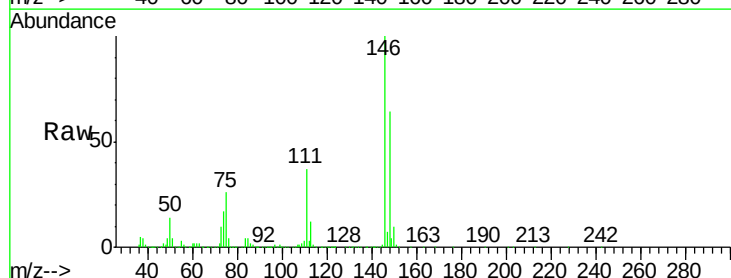
Tgt Ion:146 Resp: 541274

Ion Ratio Lower Upper

146 100

111 36.8 18.6 55.8

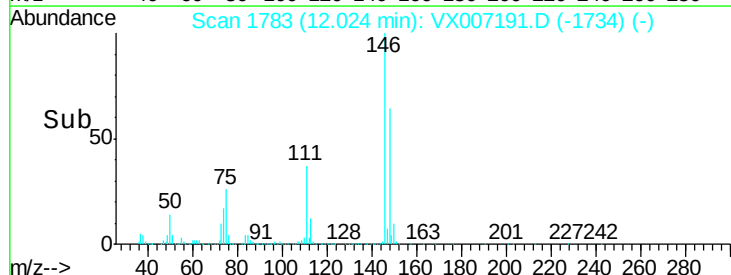
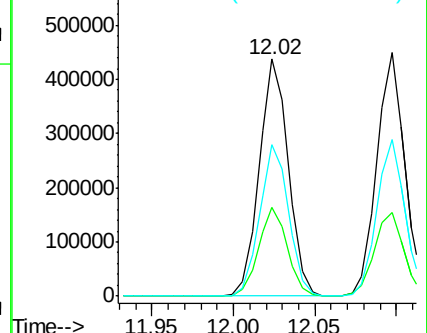
148 63.7 31.8 95.3

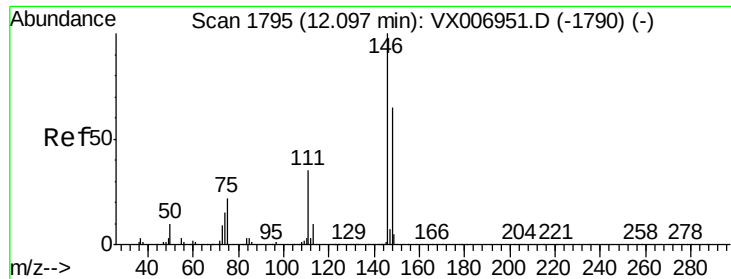


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 49.287 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

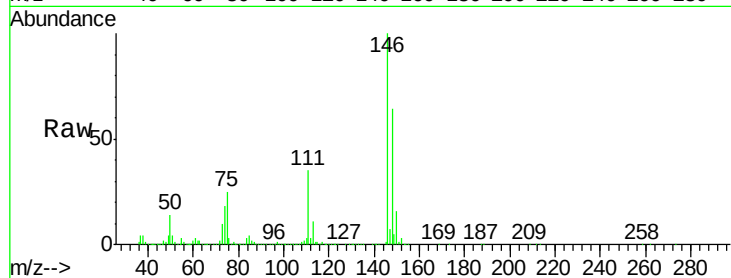
Tot Ion:146 Resp: 536365

Ion Ratio Lower Upper

146 100

111 36.3 18.1 54.1

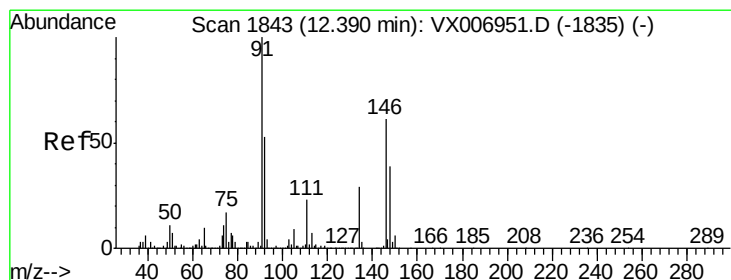
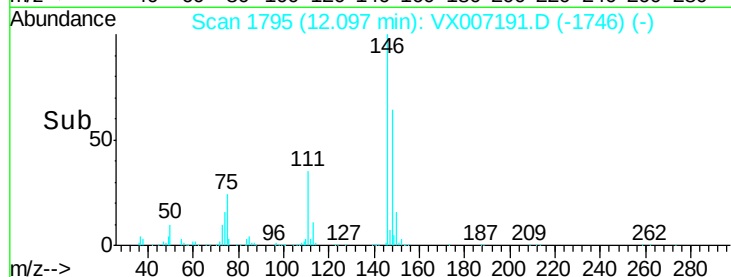
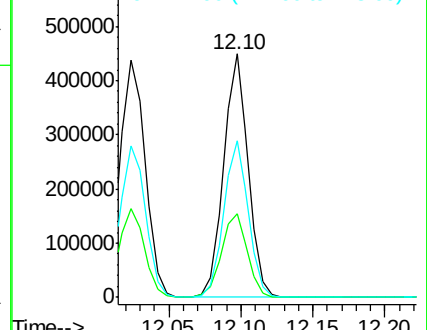
148 64.5 31.9 95.9



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: 47.309 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

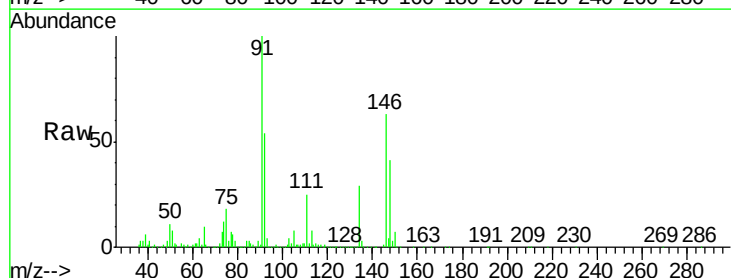
Tgt Ion: 91 Resp: 828342

Ion Ratio Lower Upper

91 100

92 52.7 26.8 80.4

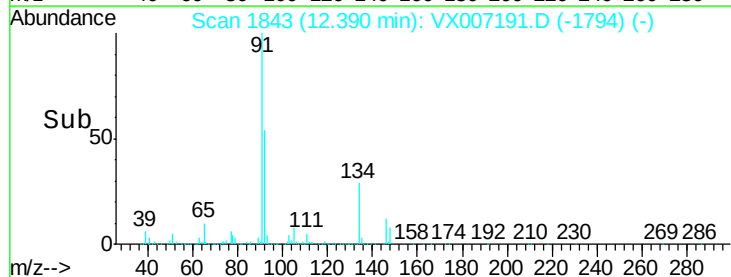
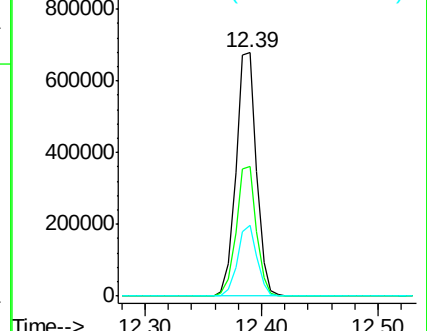
134 28.1 14.4 43.2

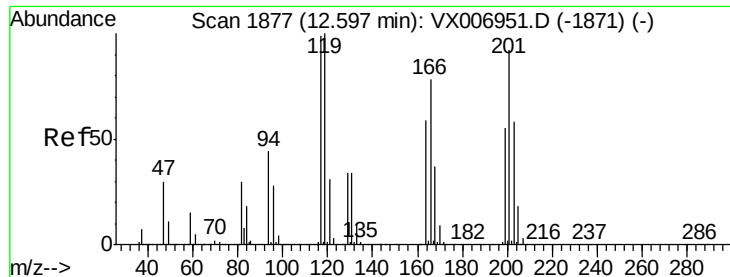


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 46.886 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

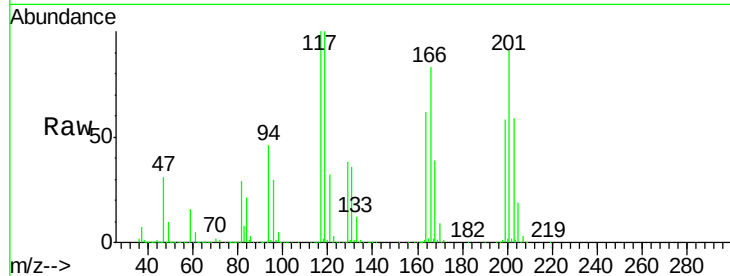
SA-TW524-2327MS

Tot Ion:117 Resp: 153110

Ion Ratio Lower Upper

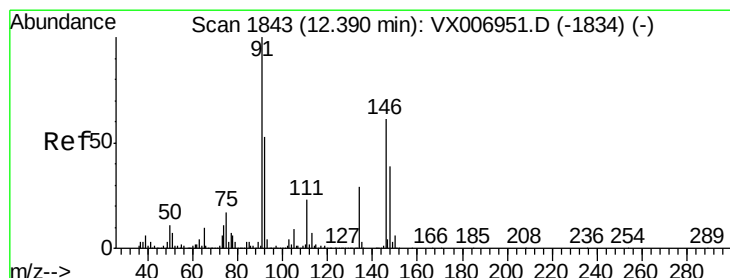
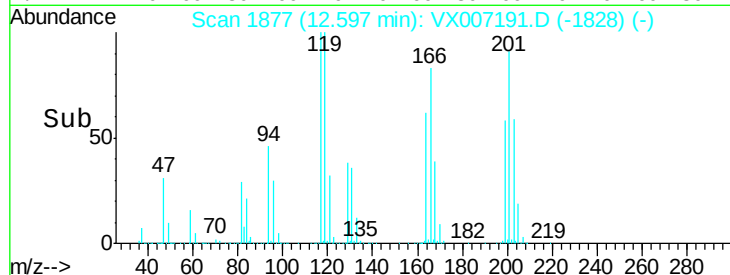
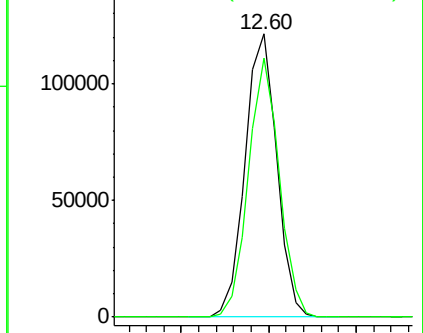
117 100

201 89.0 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 46.875 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

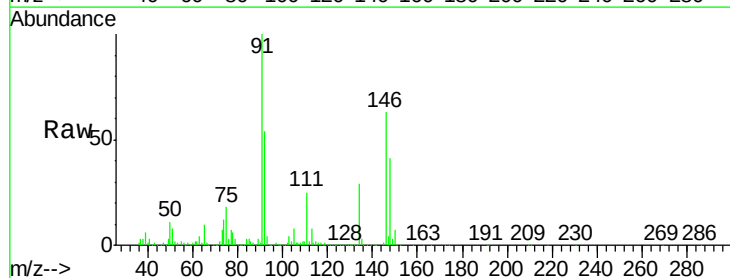
Tgt Ion:146 Resp: 531336

Ion Ratio Lower Upper

146 100

111 39.1 19.4 58.2

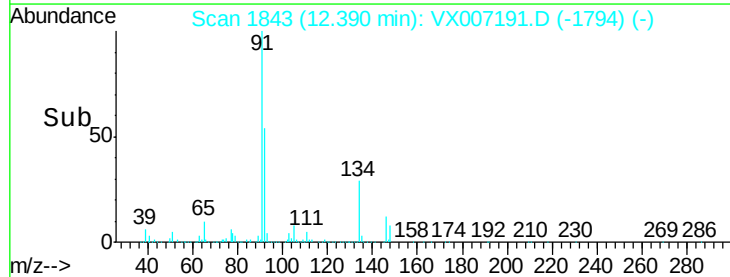
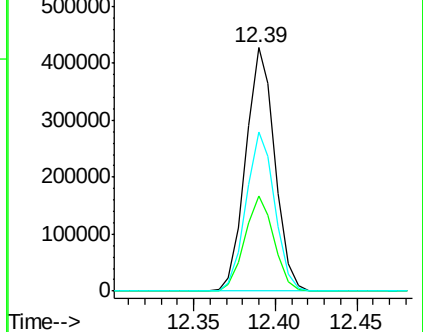
148 64.7 32.3 96.9

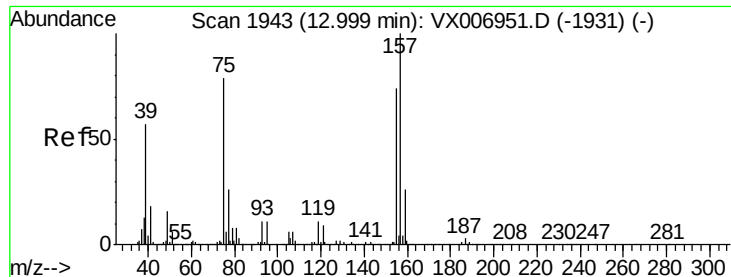


Abundance Ion 145.90 (145.60 to 146.60): V

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: 50.323 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

MSVOA_X

ClientSampleId :

SA-TW524-2327MS

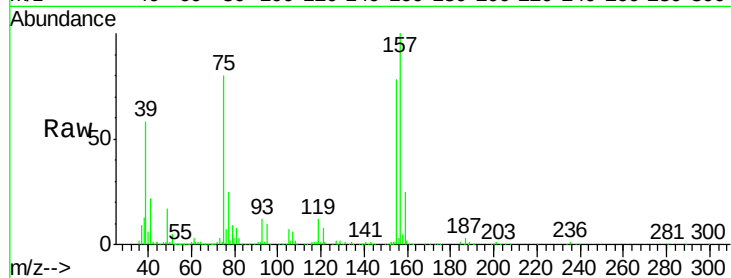
Tot Ion: 75 Resp: 72872

Ion Ratio Lower Upper

75 100

155 101.0 50.6 151.8

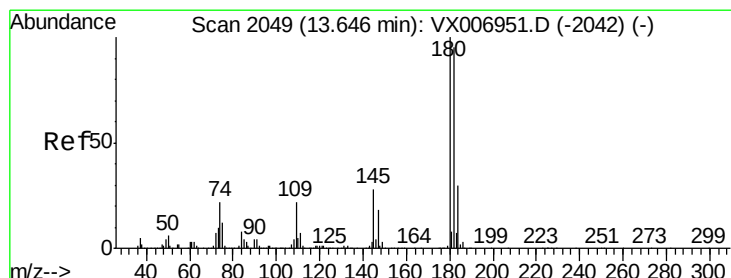
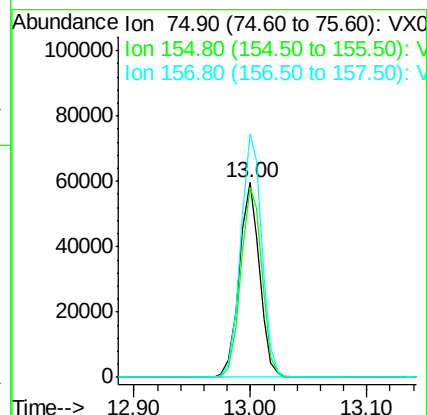
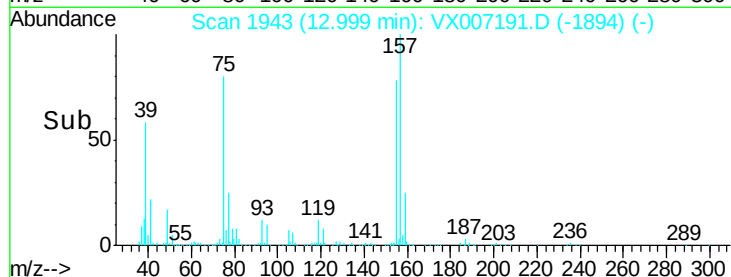
157 129.0 64.6 193.8



Abundance Ion 74.90 (74.60 to 75.60): VX007191.D (-1894) (-)

Ion 154.80 (154.50 to 155.50): VX007191.D (-1894) (-)

Ion 156.80 (156.50 to 157.50): VX007191.D (-1894) (-)



#93

1,2,4-Trichlorobenzene

Concen: 47.402 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

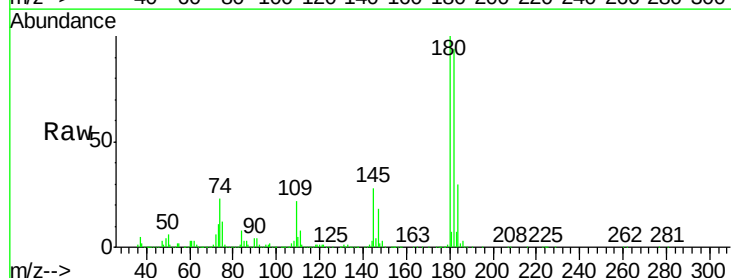
Tgt Ion: 180 Resp: 368634

Ion Ratio Lower Upper

180 100

182 95.1 47.3 142.0

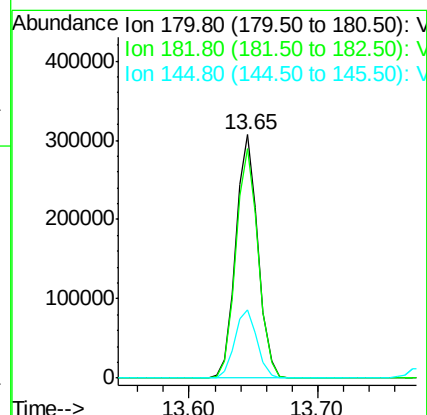
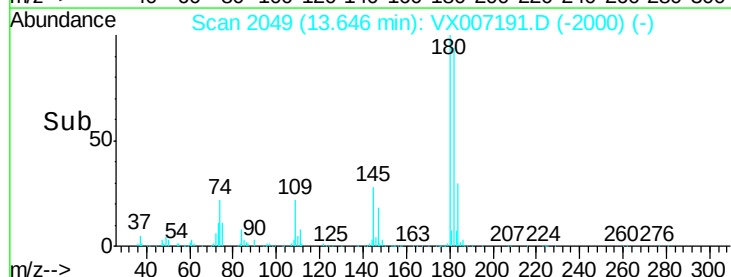
145 28.6 14.8 44.3

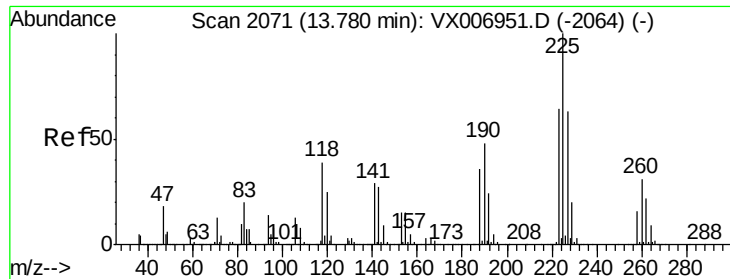


Abundance Ion 179.80 (179.50 to 180.50): VX007191.D (-2000) (-)

Ion 181.80 (181.50 to 182.50): VX007191.D (-2000) (-)

Ion 144.80 (144.50 to 145.50): VX007191.D (-2000) (-)





#94

Hexachlorobutadiene

Concen: 48.943 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Instrument :

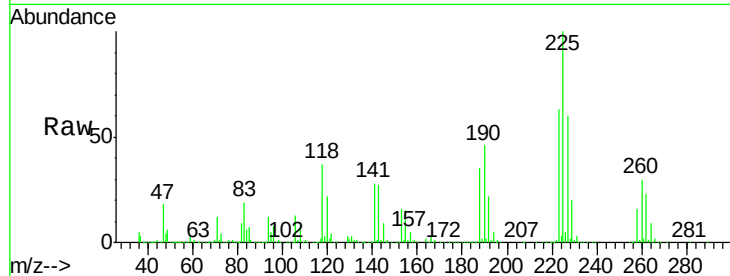
MSVOA_X

ClientSampleId :

SA-TW524-2327MS

Tot Ion:225 Resp: 168907

Ion	Ratio	Lower	Upper
225	100		
223	62.7	32.1	96.3
227	62.9	32.3	96.8

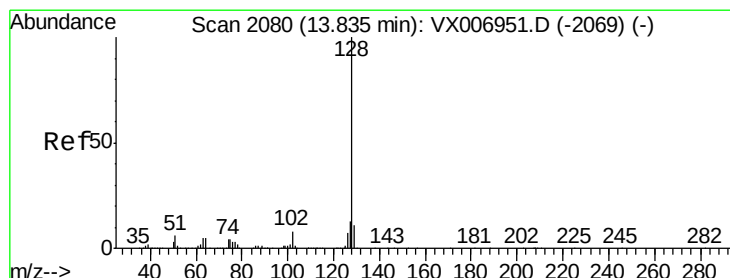
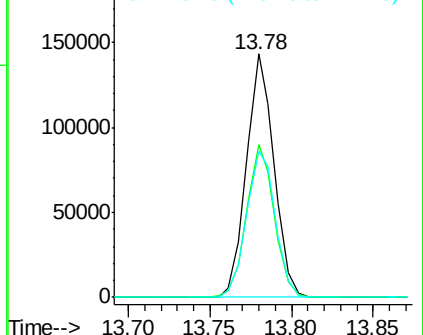
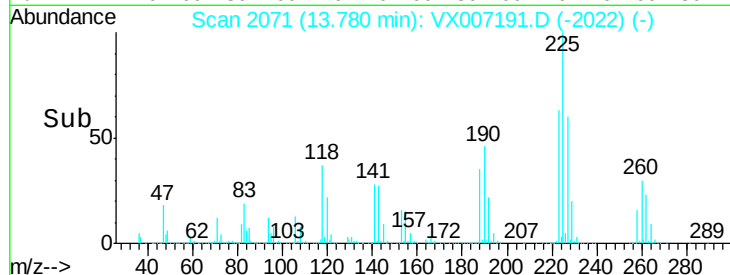


Abundance

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: 48.777 ug/l

RT: 13.83 min Scan# 2080

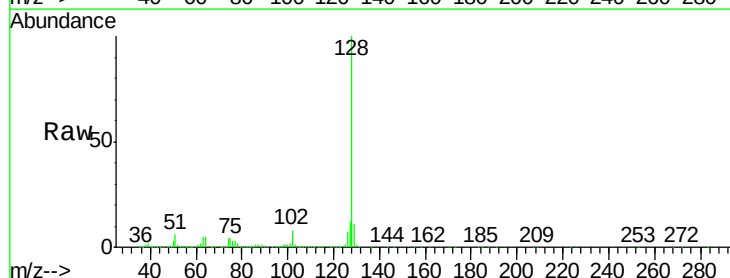
Delta R.T. 0.00 min

Lab File: VX007191.D

Acq: 22 Jan 2019 19:28

Tgt Ion:128 Resp: 1149447

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	13.0

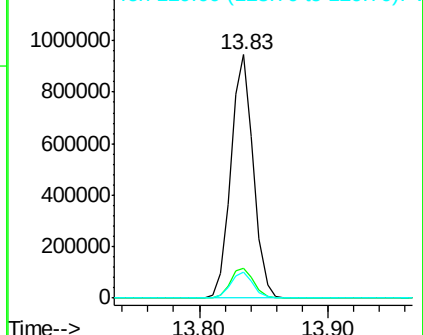
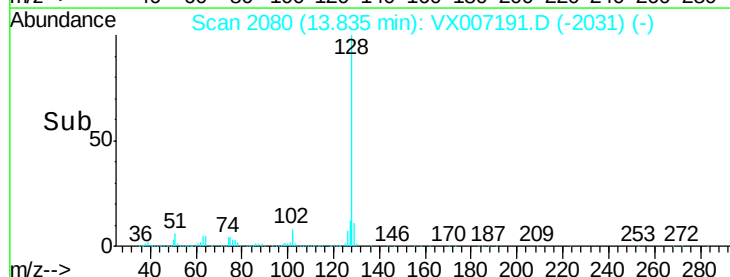


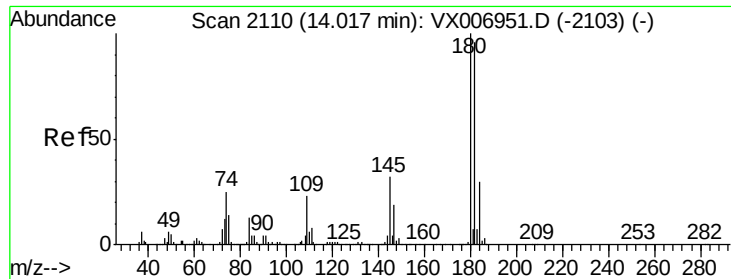
Abundance

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

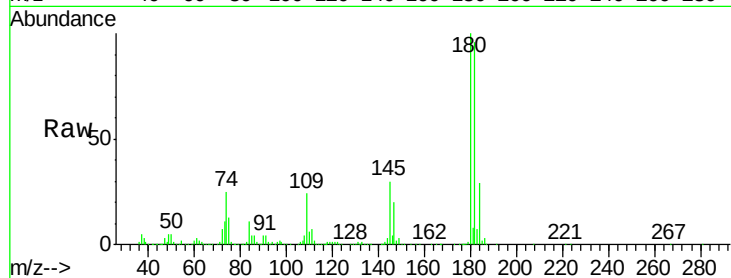




#96
 1,2,3-Trichlorobenzene
 Concen: 47.430 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX007191.D
 Acq: 22 Jan 2019 19:28

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW524-2327MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.5	145.5
145	30.9	16.0	47.9



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

