

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX005982.D
 Acq On : 14 Nov 2018 18:48
 Operator : JC/MD
 Sample : J5934-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MS

Quant Time: Nov 15 00:25:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	114085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	166122	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	149797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	82041	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	71130	54.23	ug/l	0.00
Spiked Amount			Recovery	=	108.46%	
35) Dibromofluoromethane	5.49	113	59354	52.53	ug/l	-0.01
Spiked Amount			Recovery	=	105.06%	
50) Toluene-d8	8.71	98	204049	54.32	ug/l	0.00
Spiked Amount			Recovery	=	108.64%	
62) 4-Bromofluorobenzene	11.14	95	76014	56.28	ug/l	0.00
Spiked Amount			Recovery	=	112.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	49802	48.417	ug/l	95
3) Chloromethane	1.32	50	63466	47.015	ug/l	99
4) Vinyl Chloride	1.40	62	80674	59.530	ug/l	96
5) Bromomethane	1.64	94	37023	44.643	ug/l	88
6) Chloroethane	1.71	64	41027	50.738	ug/l	95
7) Trichlorofluoromethane	1.93	101	90797	50.475	ug/l	97
8) Diethyl Ether	2.19	74	38912	55.205	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	50594	48.903	ug/l	98
10) Methyl Iodide	2.51	142	64503	51.443	ug/l	98
11) Tert butyl alcohol	3.07	59	93300	248.326	ug/l	99
12) 1,1-Dichloroethene	2.37	96	53589	53.143	ug/l	94
13) Acrolein	2.29	56	62184	339.671	ug/l	99
14) Allyl chloride	2.73	41	108229	48.056	ug/l	99
15) Acrylonitrile	3.15	53	206701	265.469	ug/l	99
16) Acetone	2.45	43	183122	259.316	ug/l	94
17) Carbon Disulfide	2.57	76	150666	50.092	ug/l	100
18) Methyl Acetate	2.78	43	98632	52.183	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	193545	56.236	ug/l	100
20) Methylene Chloride	2.86	84	60738	52.360	ug/l	83
21) trans-1,2-Dichloroethene	3.17	96	57387	53.956	ug/l	99
22) Diisopropyl ether	3.88	45	211015	53.486	ug/l	# 86
23) Vinyl Acetate	3.83	43	767866	226.998	ug/l	100
24) 1,1-Dichloroethane	3.70	63	108680	51.633	ug/l	99
25) 2-Butanone	4.70	43	288656	259.999	ug/l	98
26) 2,2-Dichloropropane	4.57	77	48026	31.105	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	81136	69.087	ug/l	98
28) Bromochloromethane	5.02	49	56065	59.599	ug/l	100
29) Tetrahydrofuran	5.15	42	185744	260.568	ug/l	100
30) Chloroform	5.21	83	105711	52.056	ug/l	89
31) Cyclohexane	5.58	56	97122	53.156	ug/l	94
32) 1,1,1-Trichloroethane	5.50	97	88492	52.244	ug/l	98
36) 1,1-Dichloropropene	5.79	75	74254	46.367	ug/l	99
37) Ethyl Acetate	4.86	43	92172	43.767	ug/l	100
38) Carbon Tetrachloride	5.79	117	78020	48.664	ug/l	87

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	80810	49.787	ug/l	100
40) Benzene	6.14	78	230988	49.477	ug/l	99
41) Methacrylonitrile	5.06	41	60812	53.440	ug/l	97
42) 1,2-Dichloroethane	6.20	62	83722	50.068	ug/l	100
43) Isopropyl Acetate	6.46	43	143238	46.940	ug/l	98
44) Trichloroethene	7.21	130	57595	48.578	ug/l	87
45) 1,2-Dichloropropane	7.51	63	60809	53.663	ug/l	95
46) Dibromomethane	7.66	93	37519	52.765	ug/l	99
47) Bromodichloromethane	7.90	83	71900	53.504	ug/l	97
48) Methyl methacrylate	7.77	41	76492	55.825	ug/l	97
49) 1,4-Dioxane	7.75	88	29846	1010.843	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	515598	268.093	ug/l	99
52) Toluene	8.79	92	134249	51.452	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	74682	47.093	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	79942	49.458	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	55913	48.082	ug/l	99
56) Ethyl methacrylate	9.18	69	91789	52.754	ug/l	98
57) 1,3-Dichloropropane	9.37	76	95296	48.765	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.28	63	136	8.417	ug/l #	48
59) 2-Hexanone	9.49	43	405971	239.480	ug/l	98
60) Dibromochloromethane	9.58	129	58860	46.835	ug/l	100
61) 1,2-Dibromoethane	9.67	107	58828	45.750	ug/l	99
64) Tetrachloroethene	9.33	164	51227	40.166	ug/l	98
65) Chlorobenzene	10.14	112	151424	50.459	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	55950	53.629	ug/l	100
67) Ethyl Benzene	10.25	91	262143	54.477	ug/l	100
68) m/p-Xylenes	10.36	106	199040	108.439	ug/l	100
69) o-Xylene	10.70	106	96599	58.691	ug/l	99
70) Styrene	10.71	104	161697	59.554	ug/l	100
71) Bromoform	10.86	173	48602	55.572	ug/l #	98
73) Isopropylbenzene	11.02	105	264064	55.659	ug/l	100
74) N-amyl acetate	10.90	43	115441	43.532	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	95888	55.064	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	105601	63.214	ug/l	84
77) Bromobenzene	11.26	156	69956	52.314	ug/l	99
78) n-propylbenzene	11.36	91	303059	54.201	ug/l	99
79) 2-Chlorotoluene	11.42	91	181194	53.614	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	223853	55.523	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	23304	44.461	ug/l	93
82) 4-Chlorotoluene	11.51	91	212218	53.281	ug/l	100
83) tert-Butylbenzene	11.77	119	227607	55.803	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	229795	51.651	ug/l	100
85) sec-Butylbenzene	11.94	105	266218	53.375	ug/l	100
86) p-Isopropyltoluene	12.07	119	235316	53.263	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	127447	49.661	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	130378	49.627	ug/l	99
89) n-Butylbenzene	12.39	91	203024	49.583	ug/l	100
90) Hexachloroethane	12.60	117	40369	54.729	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	130131	50.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	22798	53.650	ug/l	95

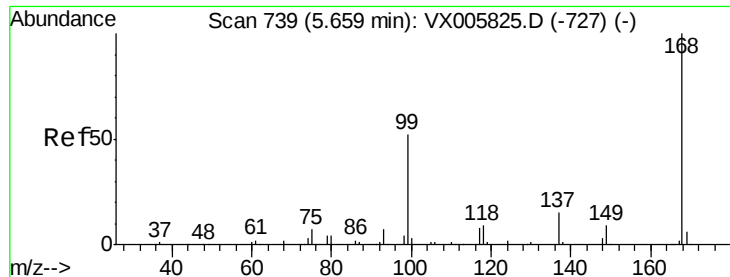
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	95673	52.862	ug/l	100
94) Hexachlorobutadiene	13.78	225	42813	45.033	ug/l	98
95) Naphthalene	13.83	128	307163	51.993	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	99131	53.763	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

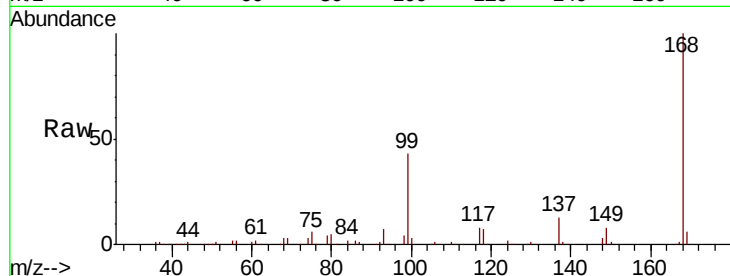
S36-0144MS

Tot Ion:168 Resp: 114085

Ion Ratio Lower Upper

168 100

99 42.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

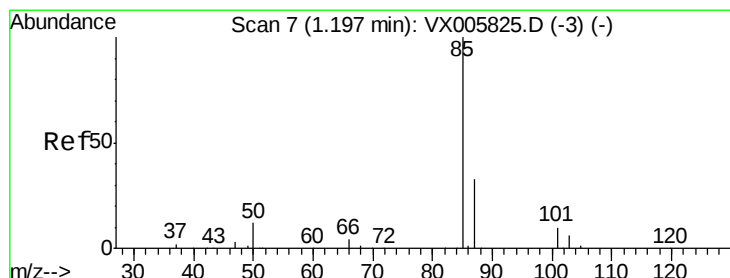
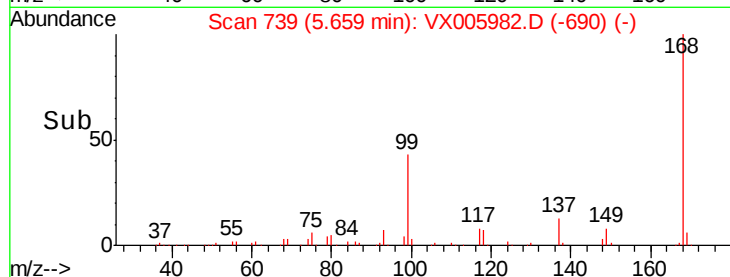
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 48.417 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005982.D

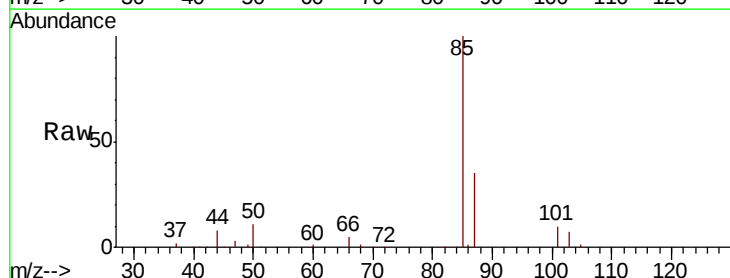
Acq: 14 Nov 2018 18:48

Tgt Ion: 85 Resp: 49802

Ion Ratio Lower Upper

85 100

87 35.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

30000

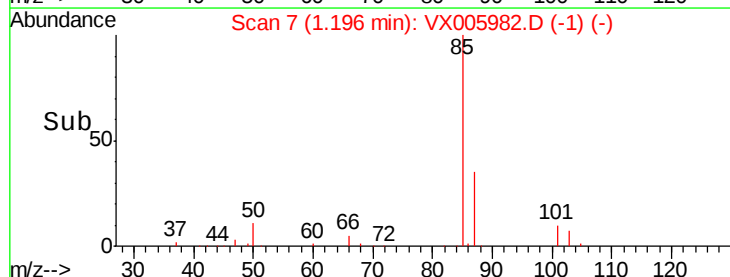
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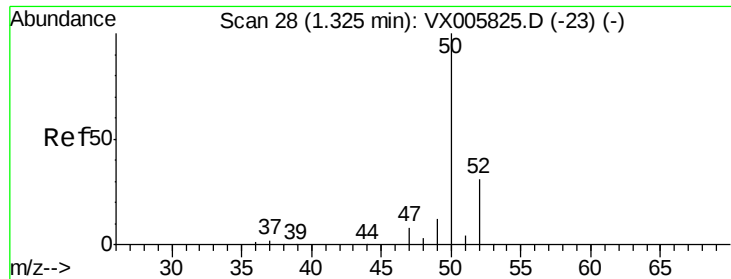
10000

0

Time-->

1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 47.015 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

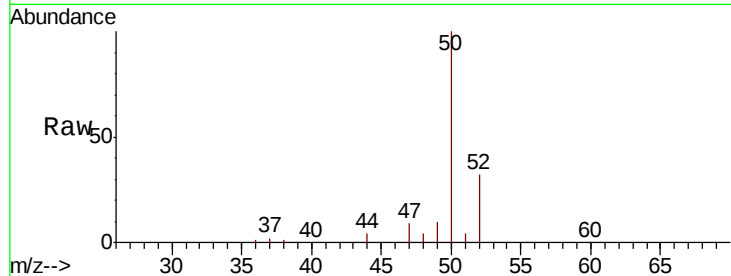
S36-0144MS

Tot Ion: 50 Resp: 63466

Ion Ratio Lower Upper

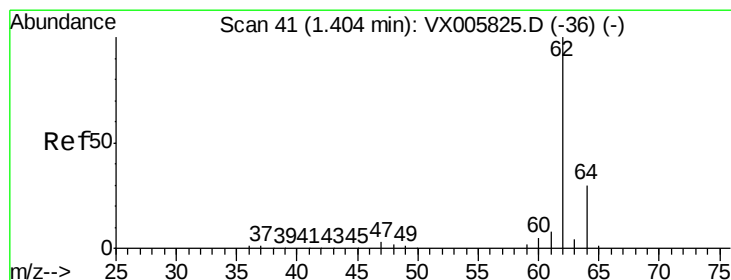
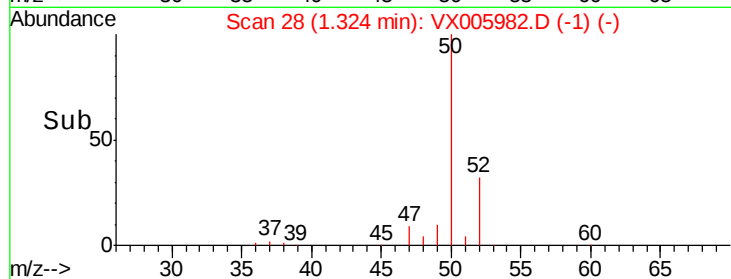
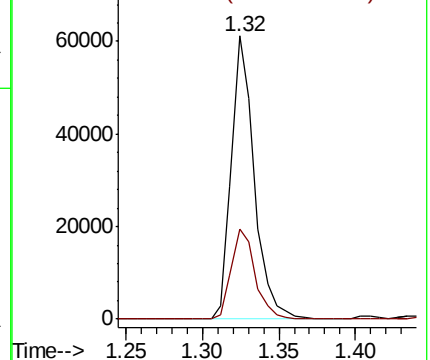
50 100

52 32.0 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 59.530 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005982.D

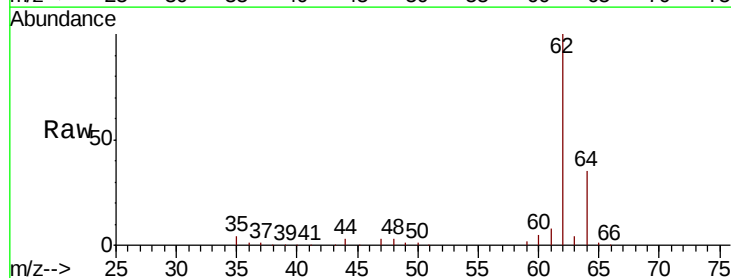
Acq: 14 Nov 2018 18:48

Tgt Ion: 62 Resp: 80674

Ion Ratio Lower Upper

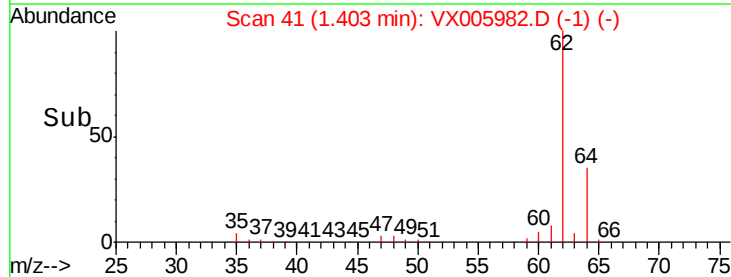
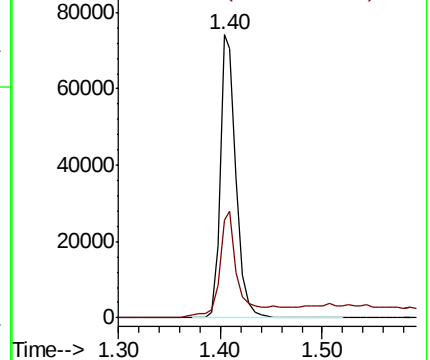
62 100

64 33.7 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 44.643 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

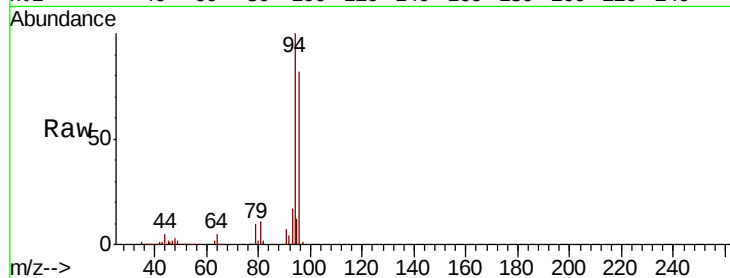
S36-0144MS

Tot Ion: 94 Resp: 37023

Ion Ratio Lower Upper

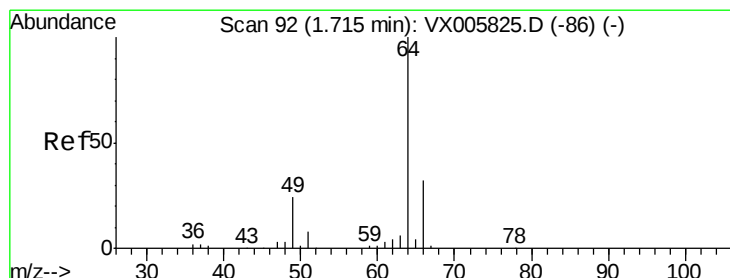
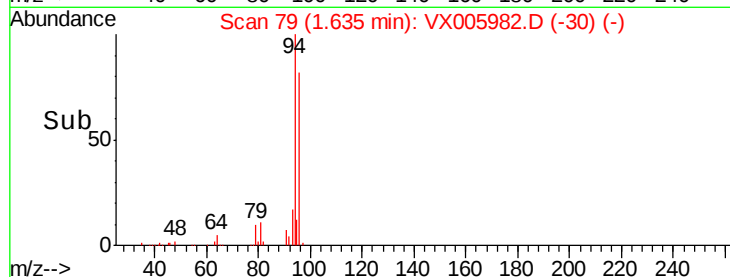
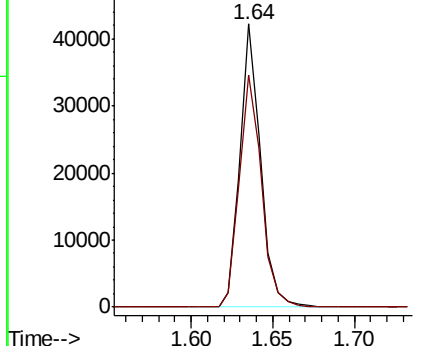
94 100

96 82.1 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.738 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.00 min

Lab File: VX005982.D

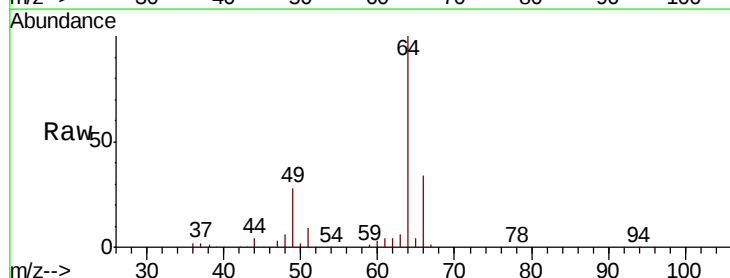
Acq: 14 Nov 2018 18:48

Tgt Ion: 64 Resp: 41027

Ion Ratio Lower Upper

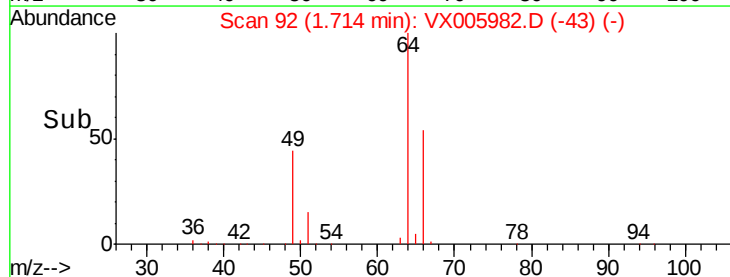
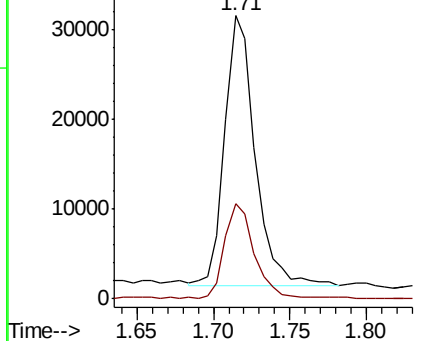
64 100

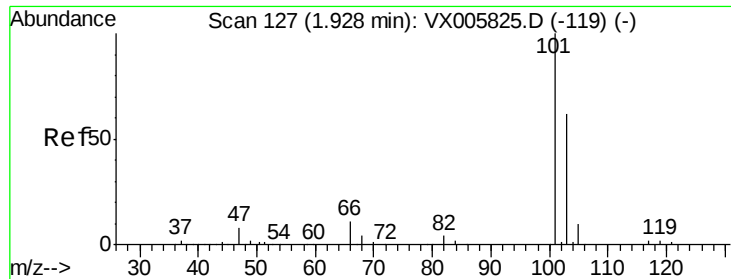
66 34.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



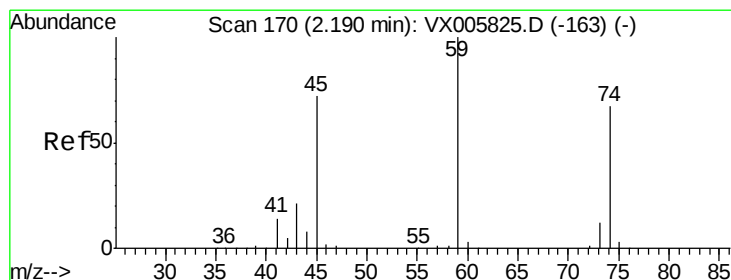
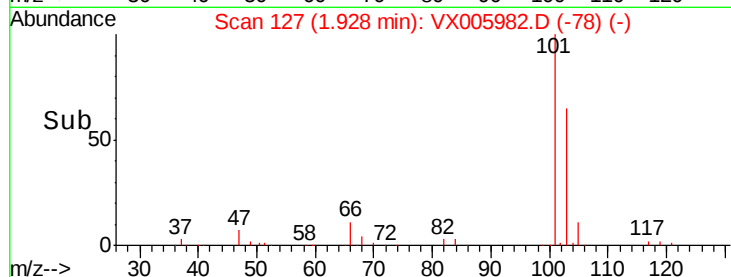
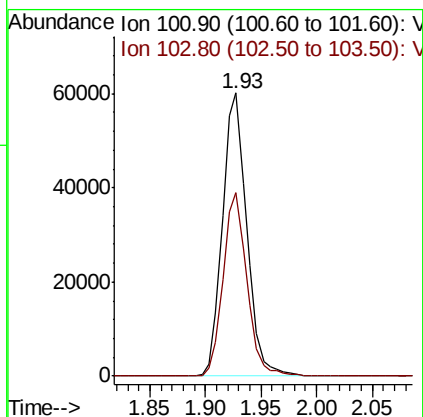
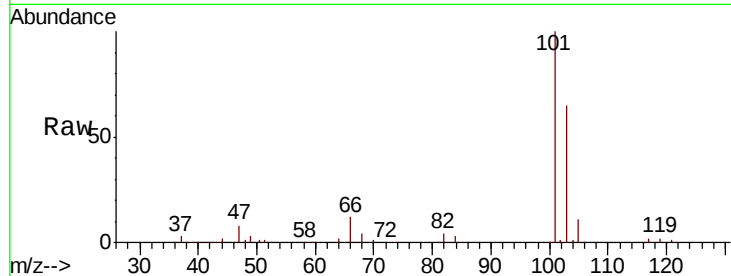


#7

Trichlorofluoromethane
 Concen: 50.475 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Instrument :
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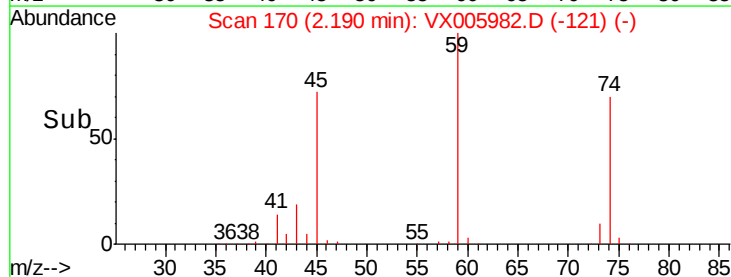
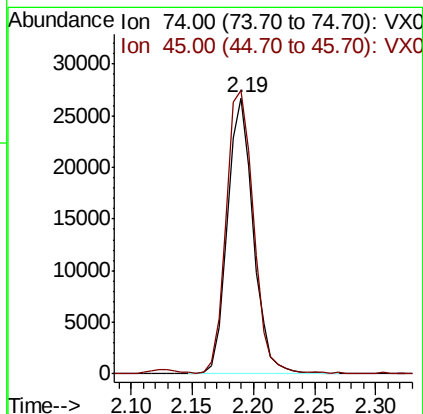
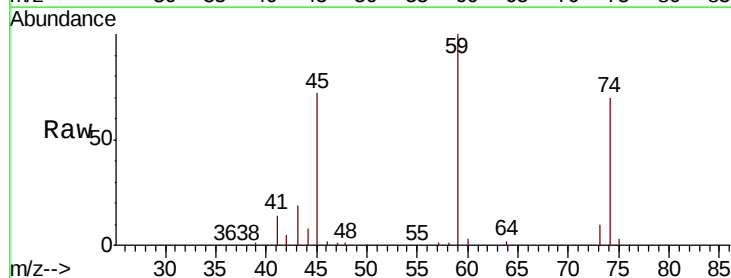
Tot Ion:101 Resp: 90797
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.0 75.0



#8

Diethyl Ether
 Concen: 55.205 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Tgt Ion: 74 Resp: 38912
 Ion Ratio Lower Upper
 74 100
 45 107.8 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.903 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

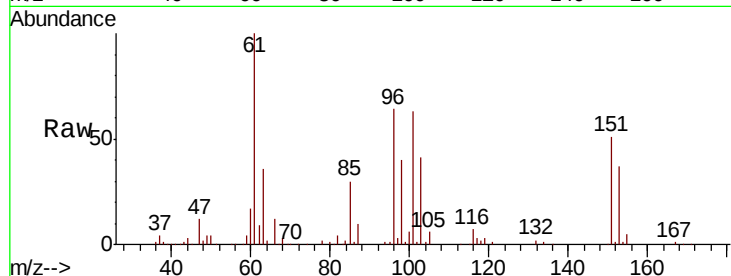
Tot Ion:101 Resp: 50594

Ion Ratio Lower Upper

101 100

85 45.3 35.0 52.4

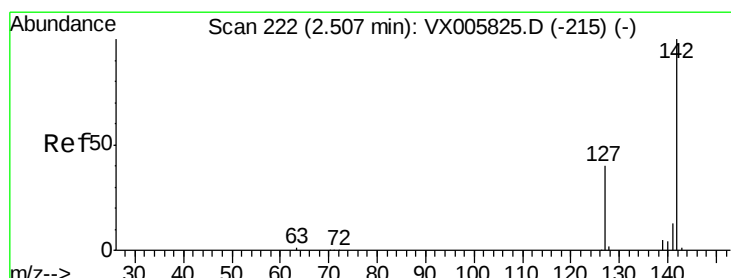
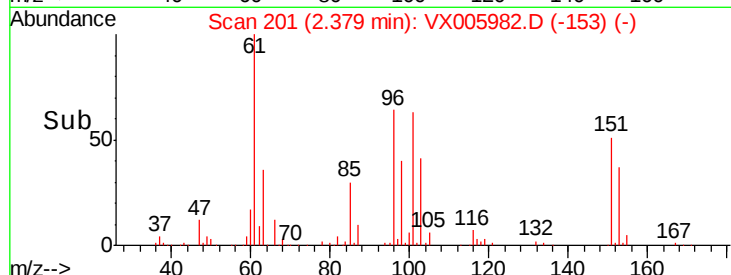
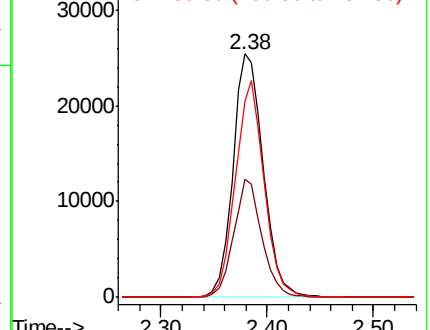
151 84.8 66.2 99.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.443 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

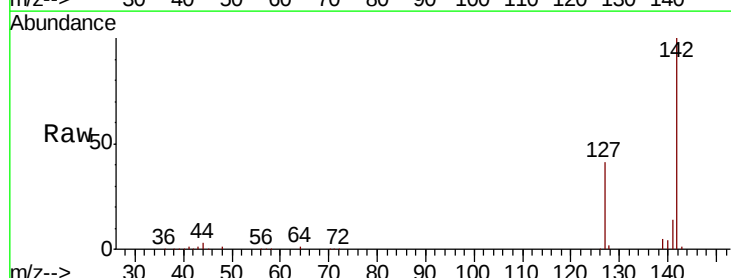
Tgt Ion:142 Resp: 64503

Ion Ratio Lower Upper

142 100

127 43.4 36.0 54.0

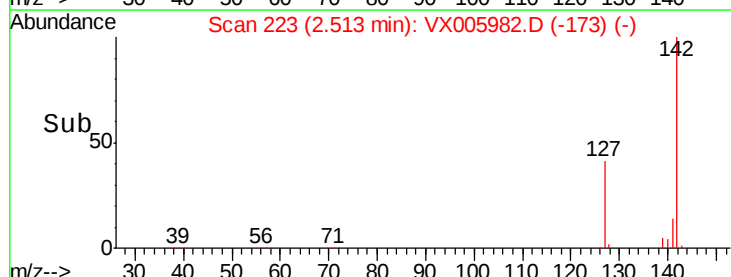
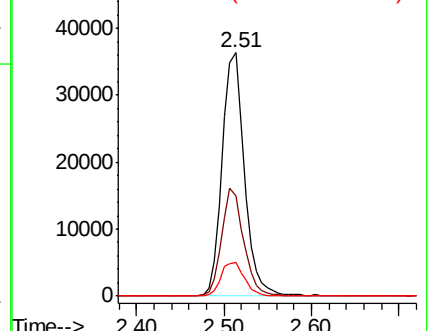
141 14.6 11.7 17.5

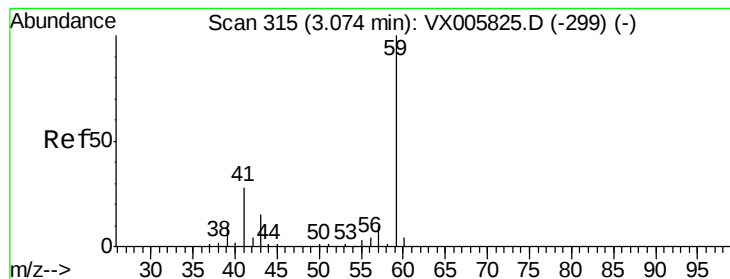


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



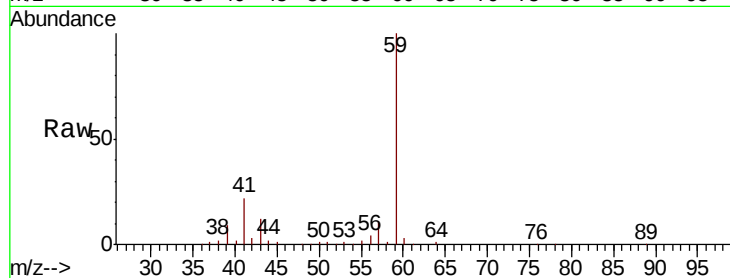


#11

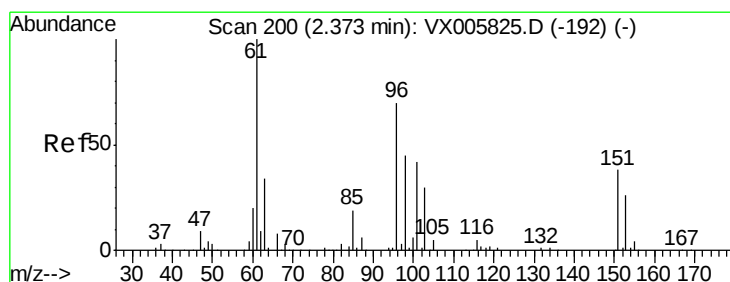
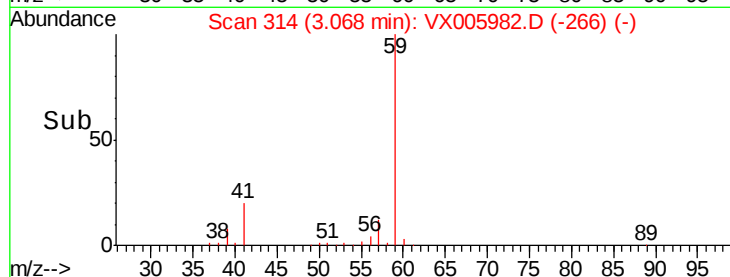
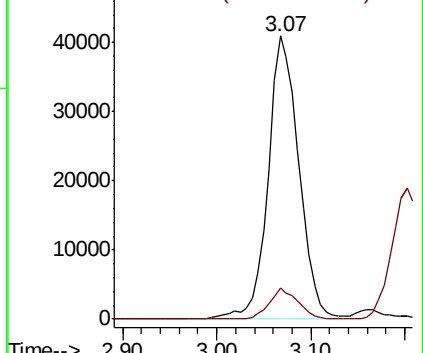
Tert butyl alcohol
 Concen: 248.326 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MS

Tot Ion: 59 Resp: 93300
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.5 12.7



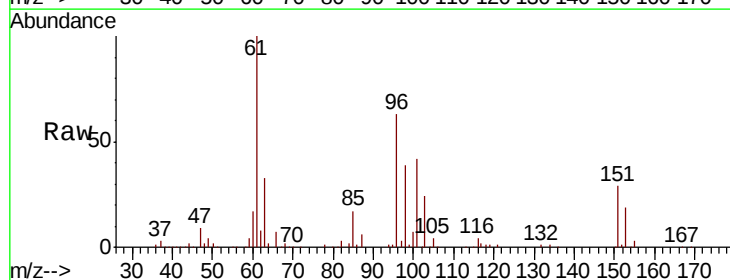
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



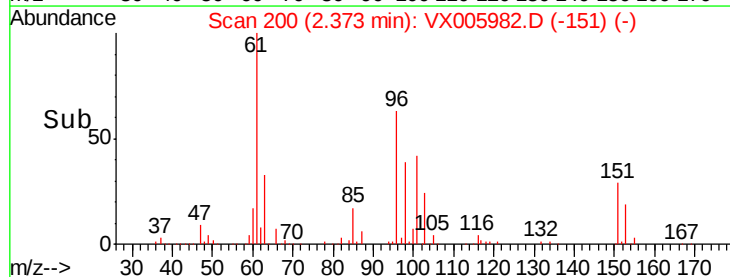
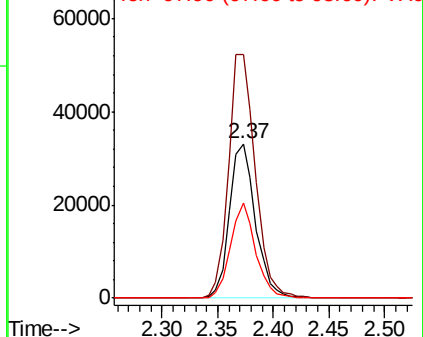
#12

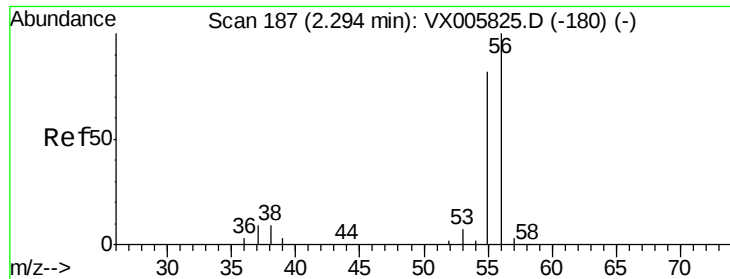
1,1-Dichloroethene
 Concen: 53.143 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Tgt Ion: 96 Resp: 53589
 Ion Ratio Lower Upper
 96 100
 61 157.7 131.8 197.8
 98 61.6 53.4 80.2



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





#13

Acrolein

Concen: 339.671 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampled :

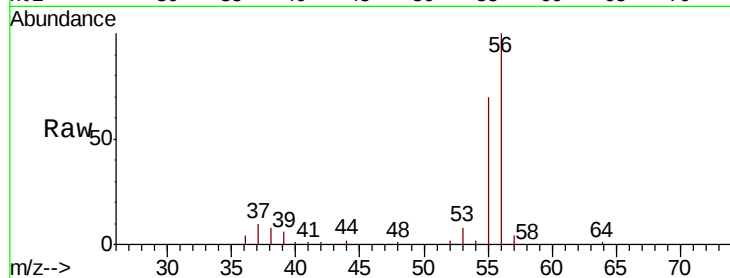
S36-0144MS

Tot Ion: 56 Resp: 62184

Ion Ratio Lower Upper

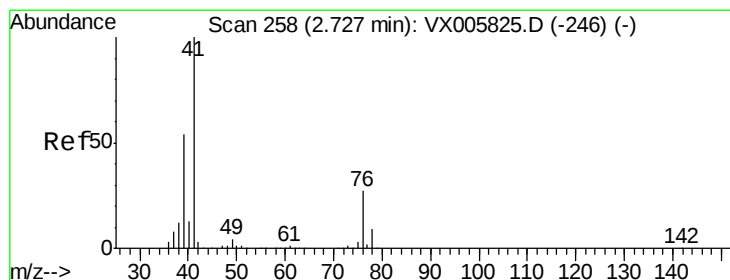
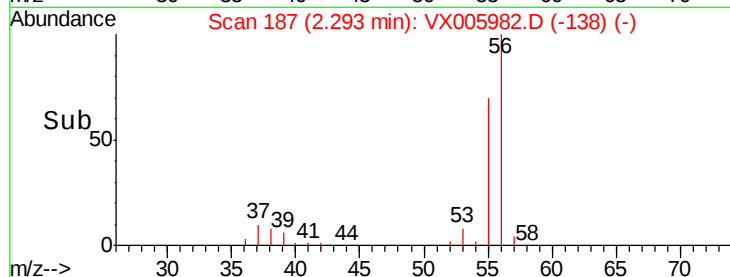
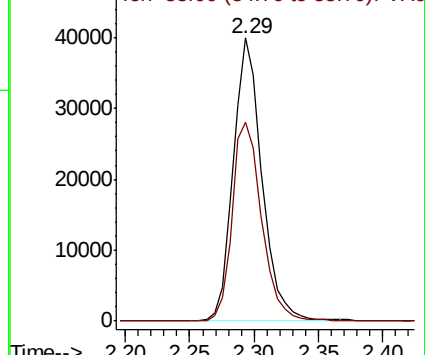
56 100

55 72.4 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.056 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

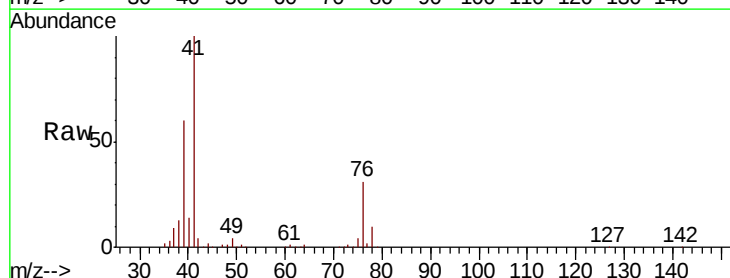
Tgt Ion: 41 Resp: 108229

Ion Ratio Lower Upper

41 100

39 60.1 48.2 72.4

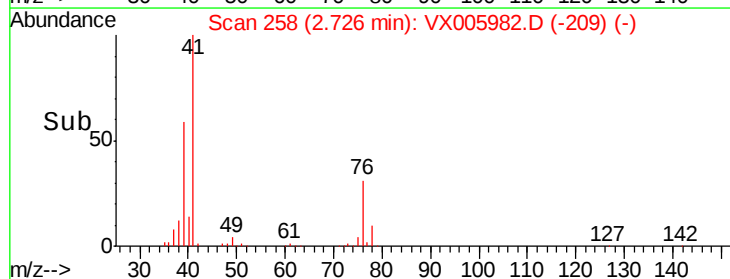
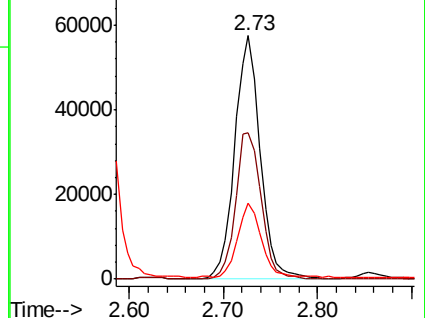
76 29.0 21.9 32.9

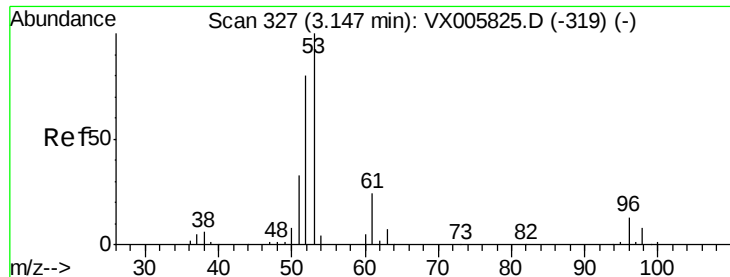


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 265.469 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampled :

S36-0144MS

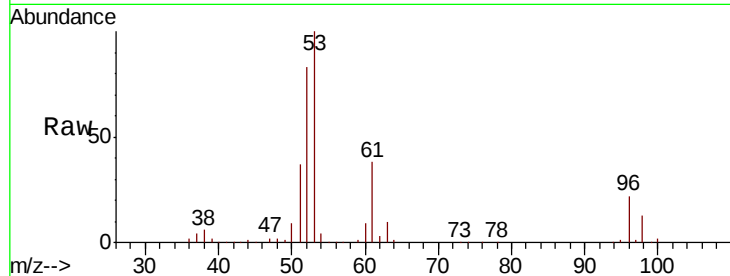
Tot Ion: 53 Resp: 206701

Ion Ratio Lower Upper

53 100

52 83.5 66.6 99.8

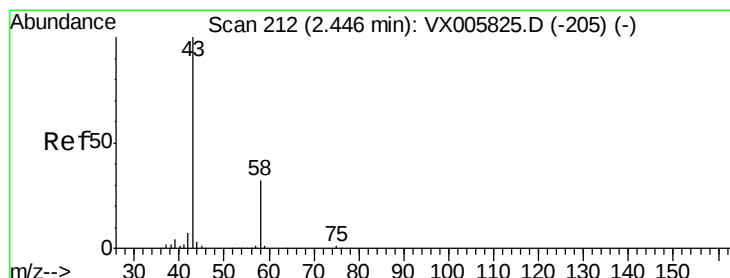
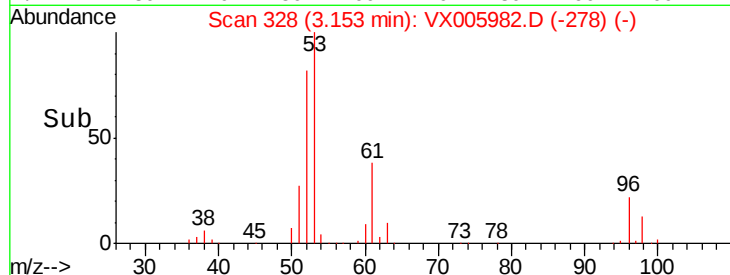
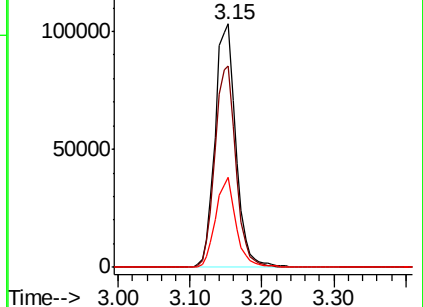
51 36.2 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 259.316 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005982.D

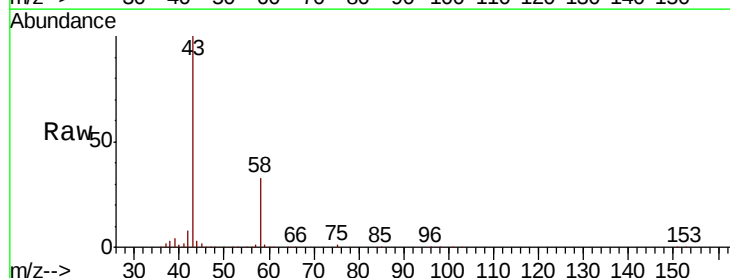
Acq: 14 Nov 2018 18:48

Tgt Ion: 43 Resp: 183122

Ion Ratio Lower Upper

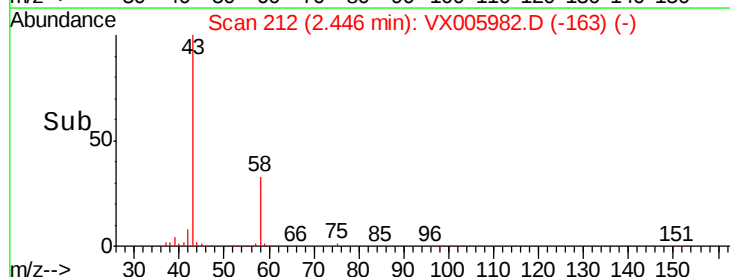
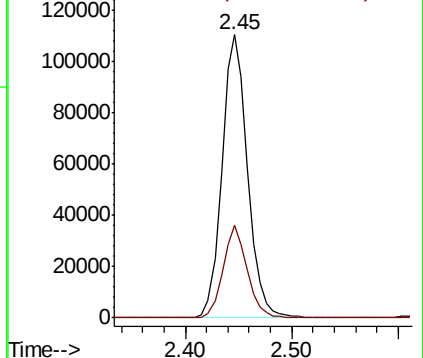
43 100

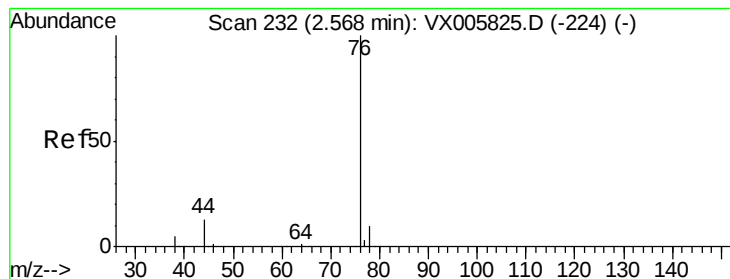
58 32.8 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 50.092 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

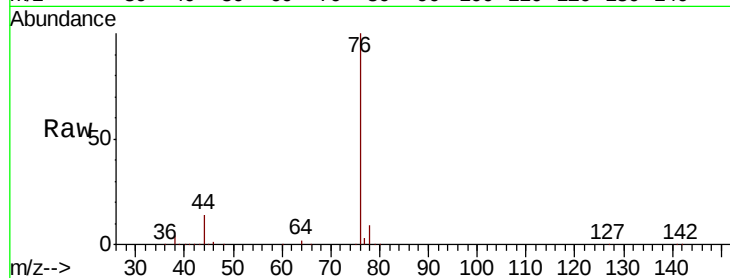
S36-0144MS

Tot Ion: 76 Resp: 150666

Ion Ratio Lower Upper

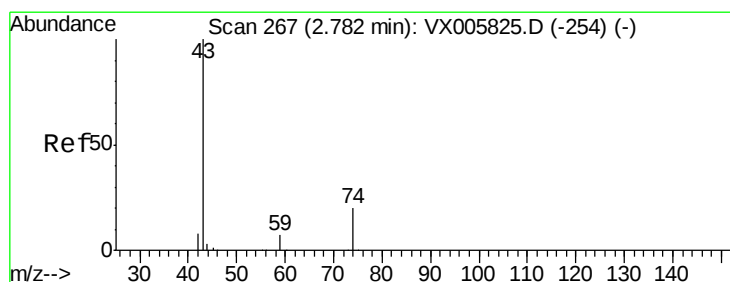
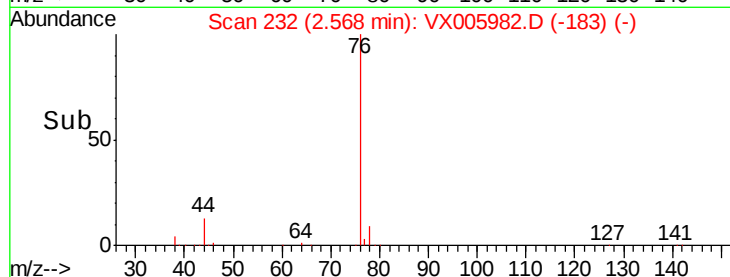
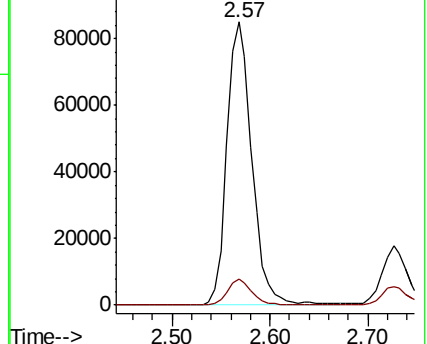
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 52.183 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005982.D

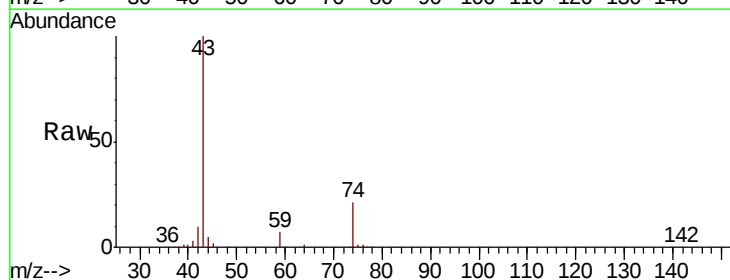
Acq: 14 Nov 2018 18:48

Tgt Ion: 43 Resp: 98632

Ion Ratio Lower Upper

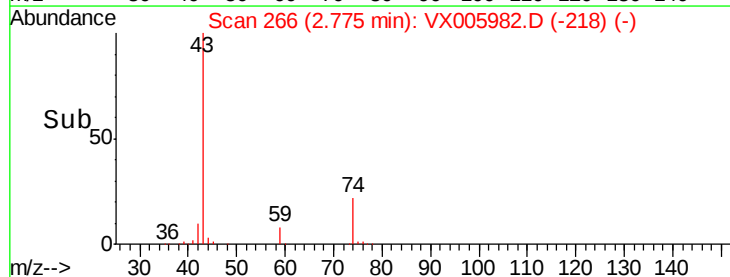
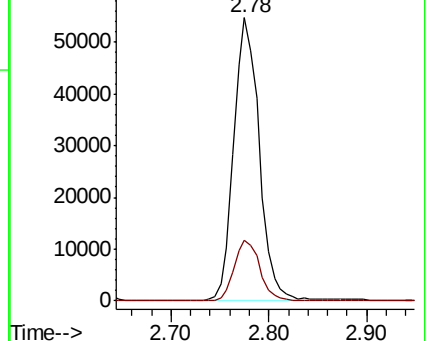
43 100

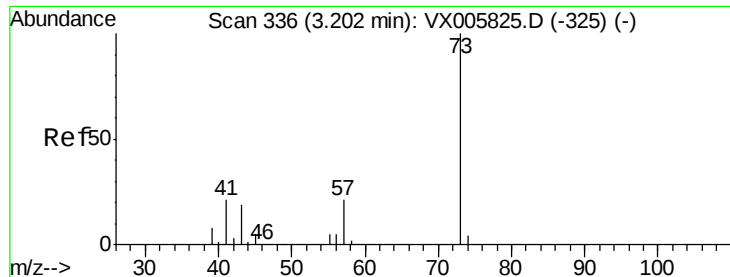
74 21.9 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

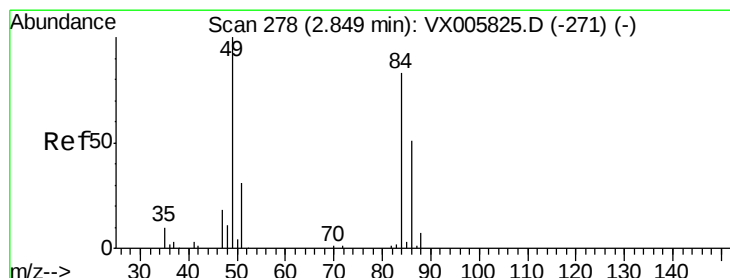
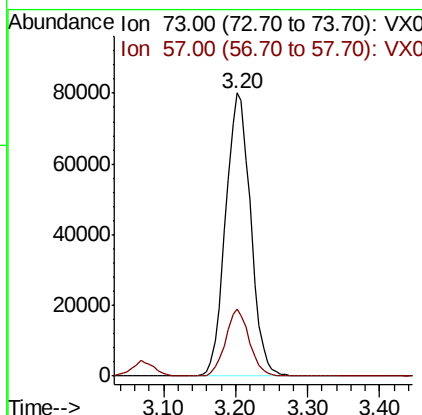
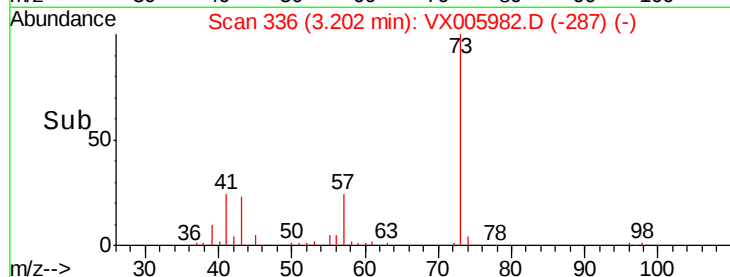
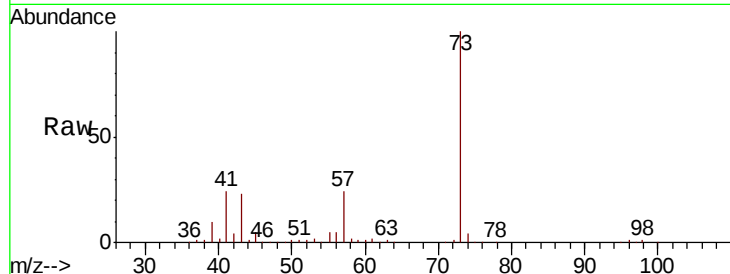




#19
Methyl tert-butyl Ether
Concen: 56.236 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

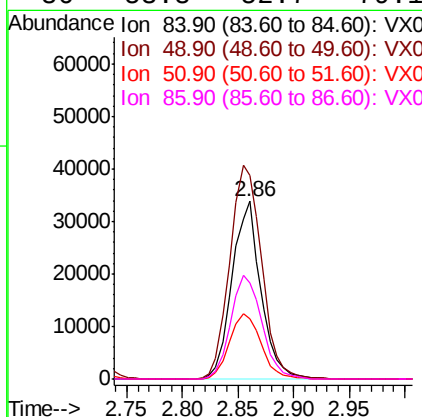
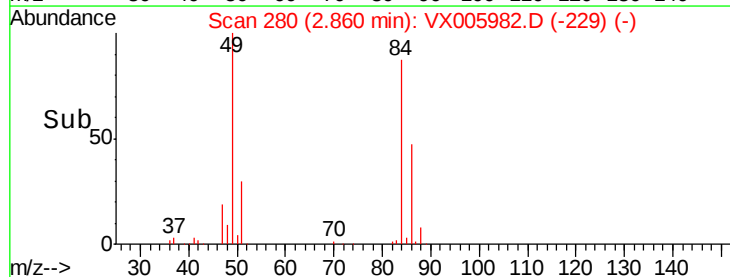
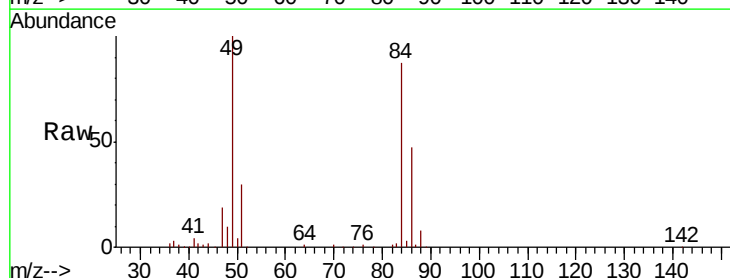
Instrument :
MSVOA_X
ClientSampled :
S36-0144MS

Tot Ion: 73 Resp: 193545
Ion Ratio Lower Upper
73 100
57 23.6 18.8 28.2



#20
Methylene Chloride
Concen: 52.360 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion: 84 Resp: 60738
Ion Ratio Lower Upper
84 100
49 114.6 109.5 164.3
51 33.9 33.3 49.9
86 53.8 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 53.956 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

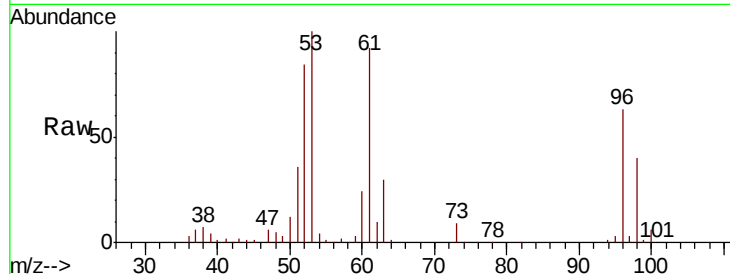
Tot Ion: 96 Resp: 57387

Ion Ratio Lower Upper

96 100

61 145.7 115.6 173.4

98 62.9 50.2 75.2

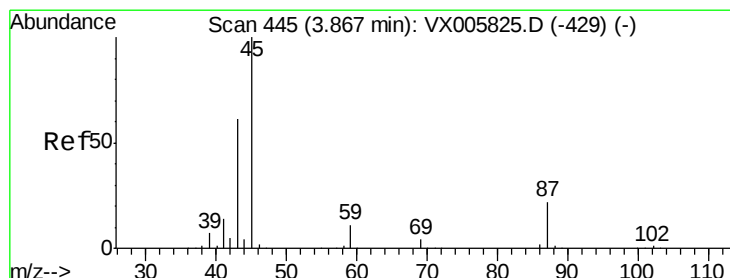
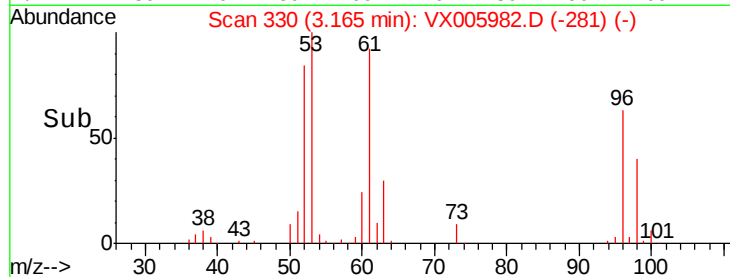
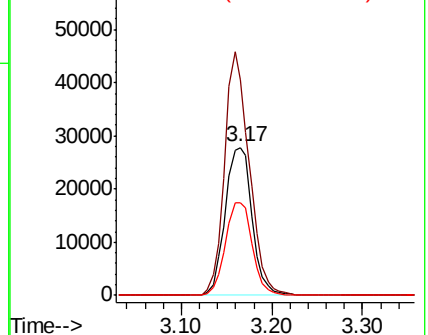


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 53.486 ug/l

RT: 3.88 min Scan# 447

Delta R.T. 0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Tgt Ion: 45 Resp: 211015

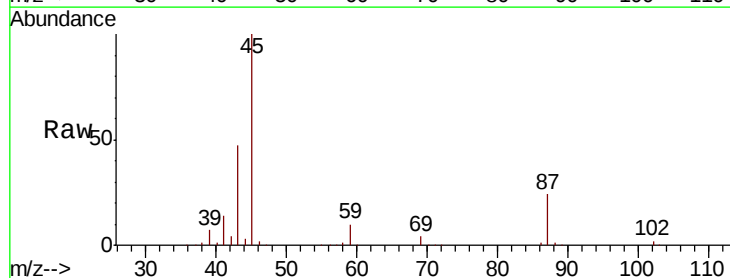
Ion Ratio Lower Upper

45 100

43 46.5 47.4 71.2#

87 24.2 15.9 23.9#

59 10.4 7.7 11.5



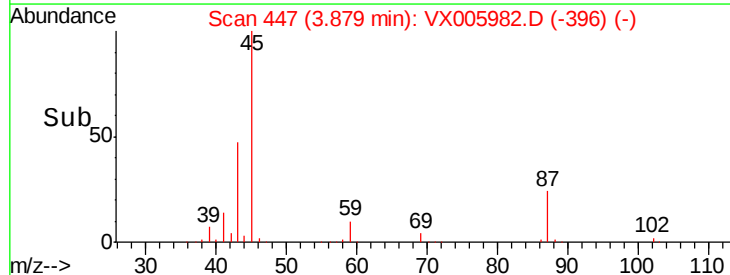
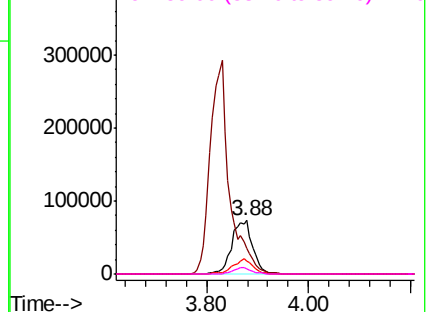
Abundance

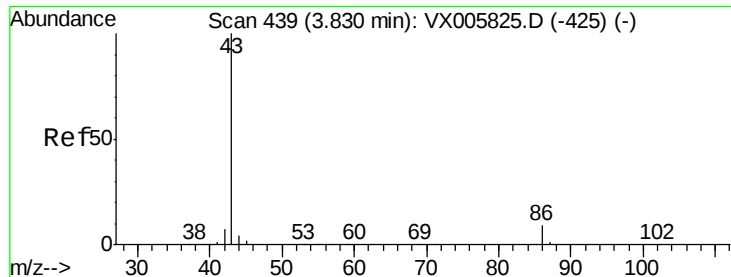
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 226.998 ug/l

RT: 3.83 min Scan# 439

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleID :

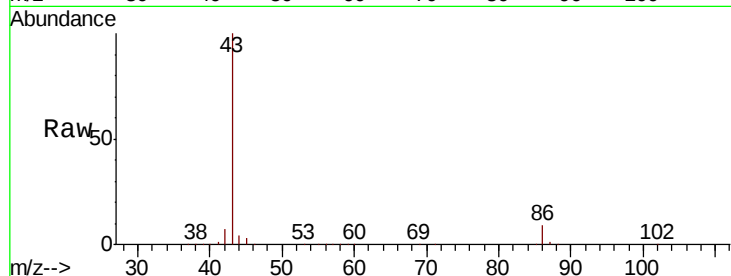
S36-0144MS

Tot Ion: 43 Resp: 767866

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX005982.D (-390) (-)

Ion 86.00 (85.70 to 86.70): VX005982.D (-390) (-)

3.83

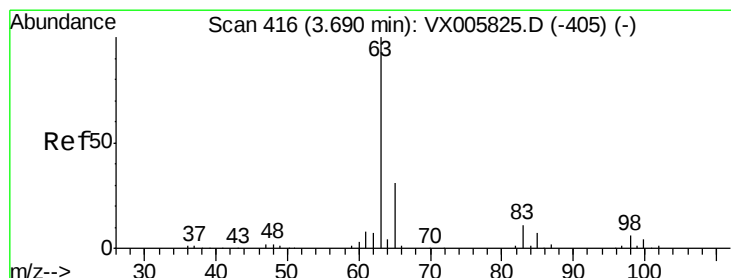
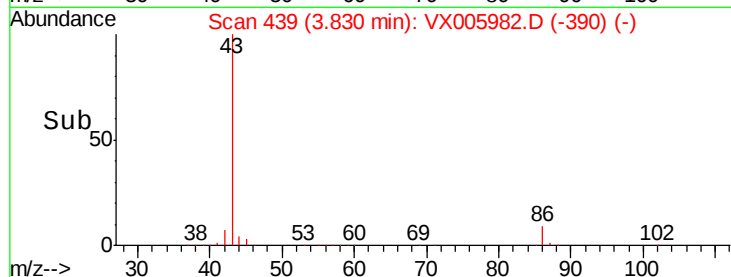
300000

200000

100000

0

Time--> 3.60 3.80 4.00 4.20



#24

1,1-Dichloroethane

Concen: 51.633 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

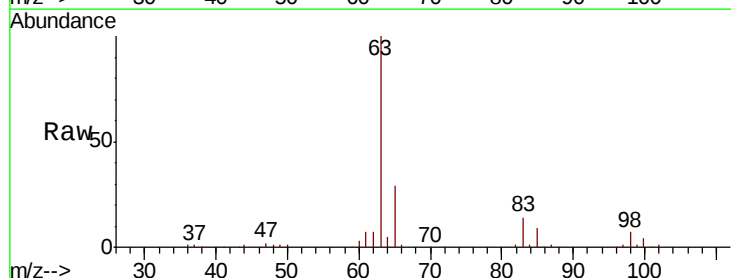
Tgt Ion: 63 Resp: 108680

Ion Ratio Lower Upper

63 100

98 6.6 3.2 9.6

100 4.4 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX005982.D (-367) (-)

Ion 97.90 (97.60 to 98.60): VX005982.D (-367) (-)

Ion 99.90 (99.60 to 100.60): VX005982.D (-367) (-)

3.70

60000

50000

40000

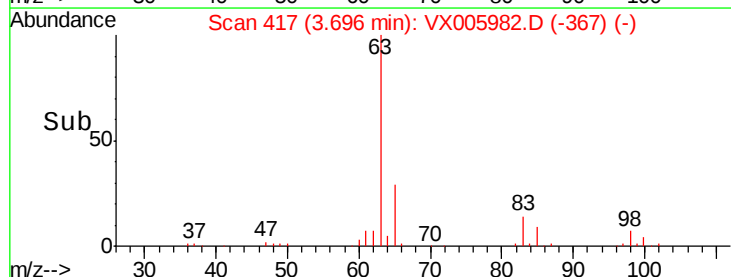
30000

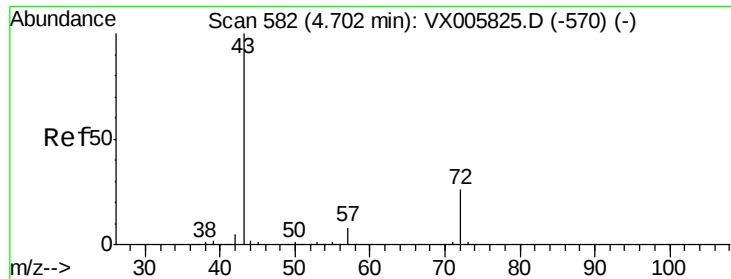
20000

10000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 259.999 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampled :

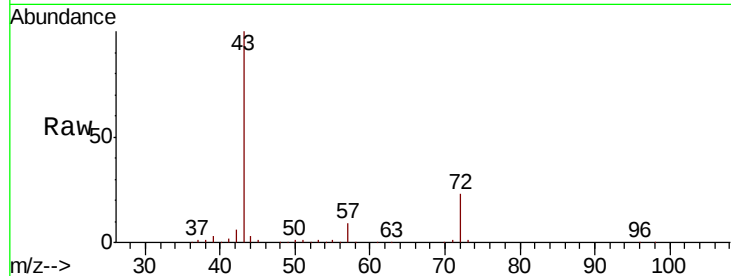
S36-0144MS

Tot Ion: 43 Resp: 288656

Ion Ratio Lower Upper

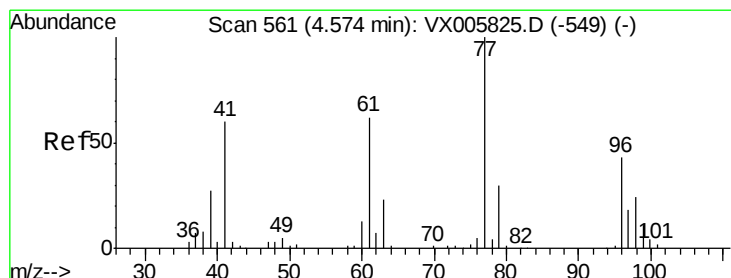
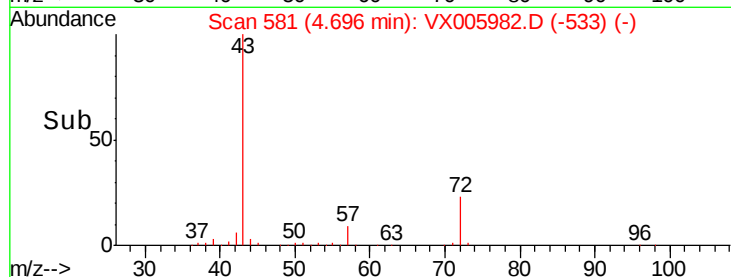
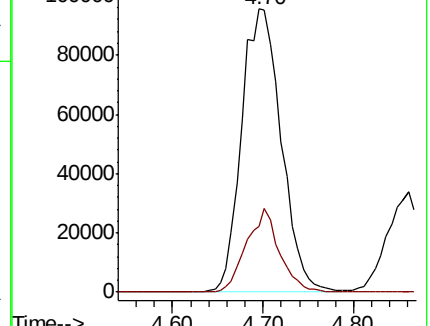
43 100

72 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 31.105 ug/l

RT: 4.57 min Scan# 561

Delta R.T. -0.00 min

Lab File: VX005982.D

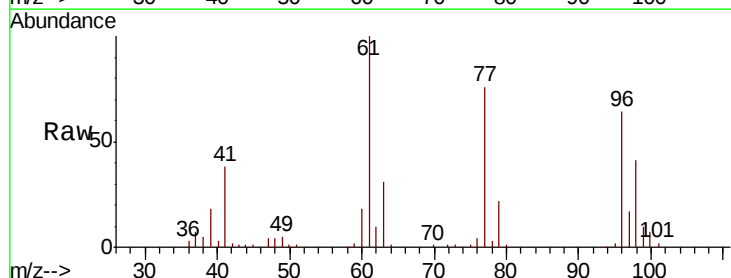
Acq: 14 Nov 2018 18:48

Tgt Ion: 77 Resp: 48026

Ion Ratio Lower Upper

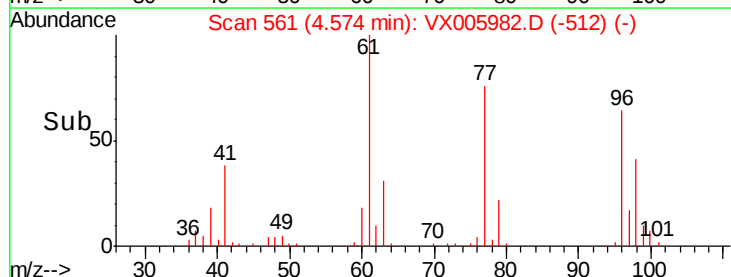
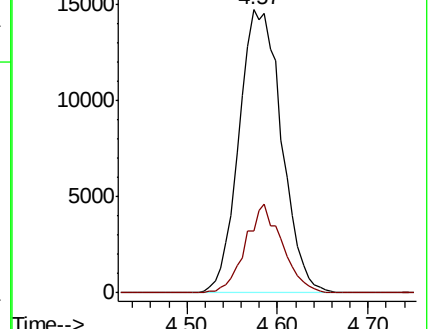
77 100

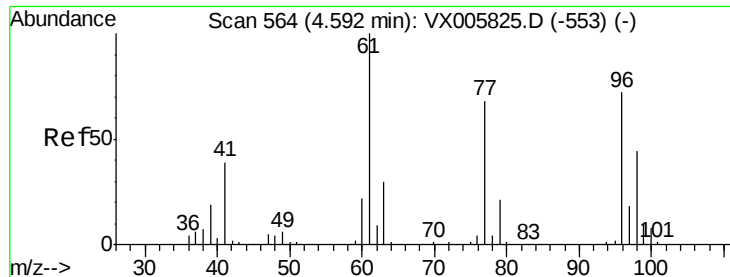
97 27.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



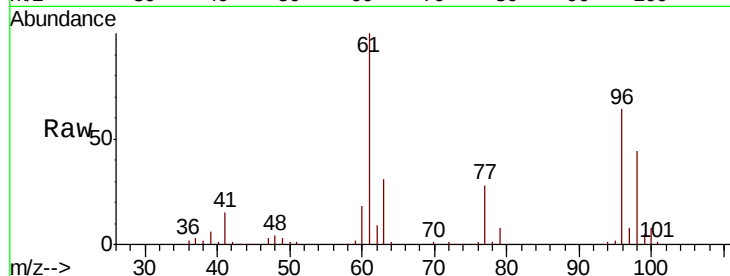


#27

cis-1,2-Dichloroethene
 Concen: 69.087 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.1	0.0	304.6
98	65.1	0.0	127.4

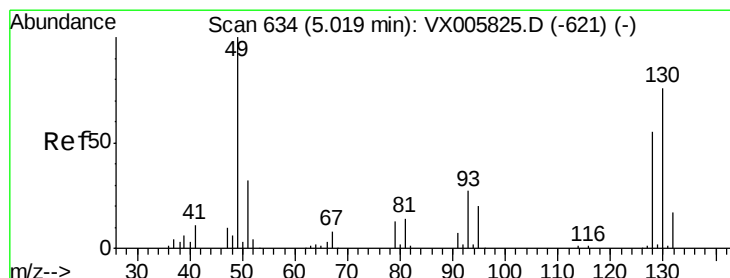
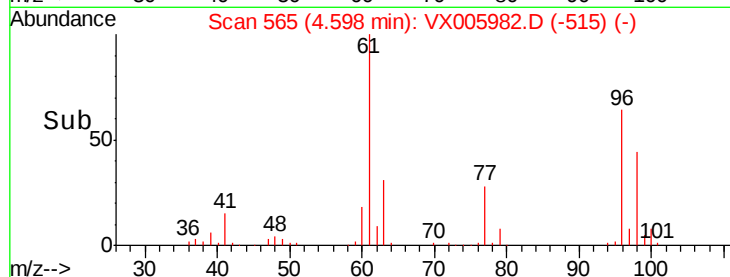
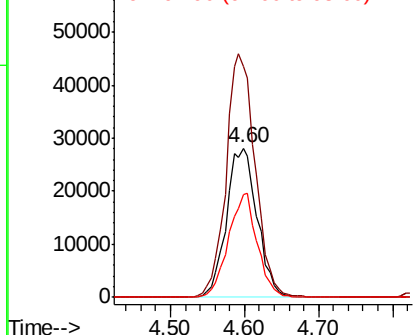


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

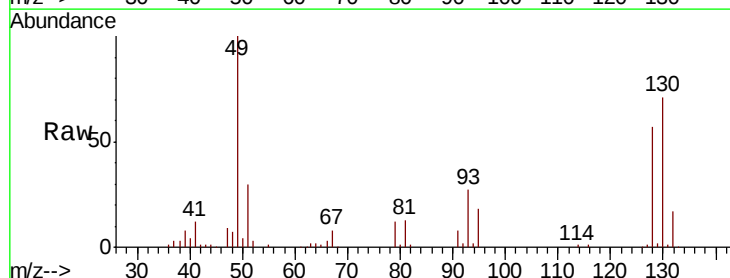
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
 Concen: 59.599 ug/l
 RT: 5.02 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	74.0	58.9	88.3

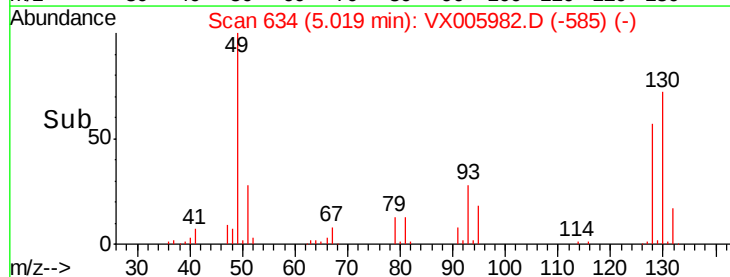
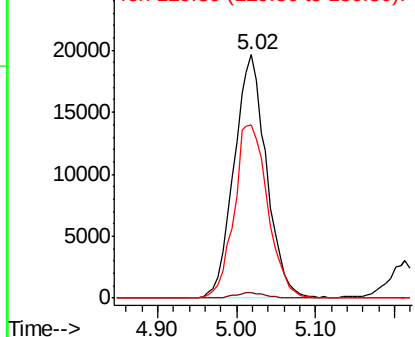


Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.568 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

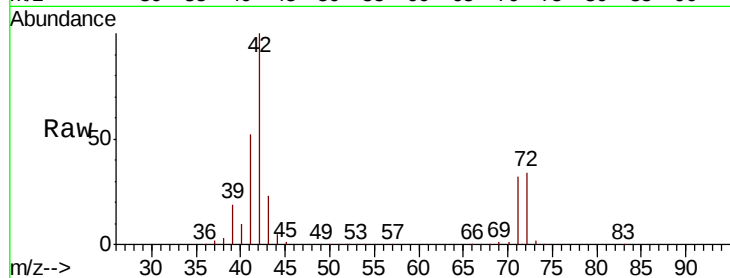
Tot Ion: 42 Resp: 185744

Ion Ratio Lower Upper

42 100

72 40.1 32.0 48.0

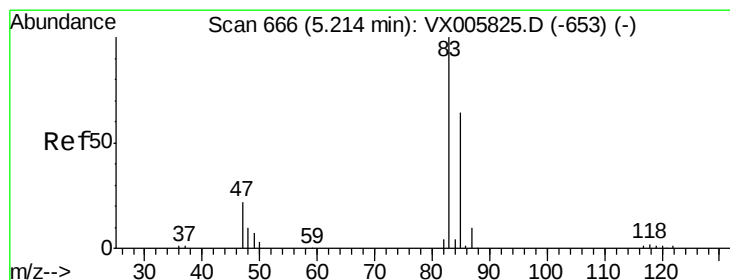
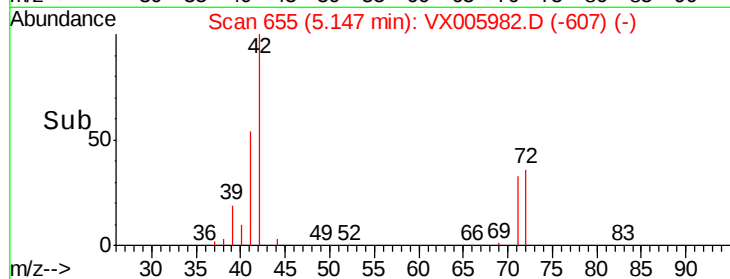
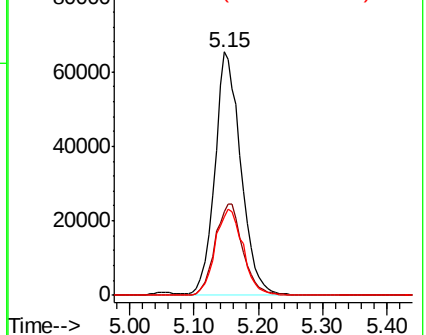
71 37.8 29.8 44.8



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#30

Chloroform

Concen: 52.056 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX005982.D

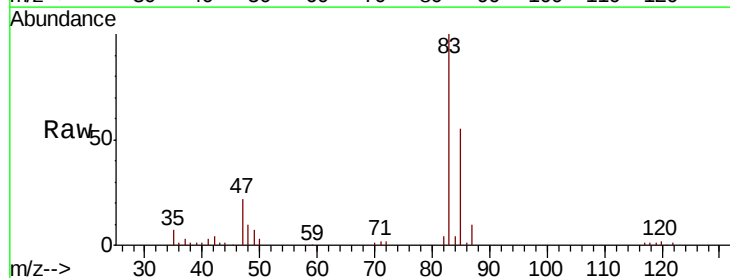
Acq: 14 Nov 2018 18:48

Tgt Ion: 83 Resp: 105711

Ion Ratio Lower Upper

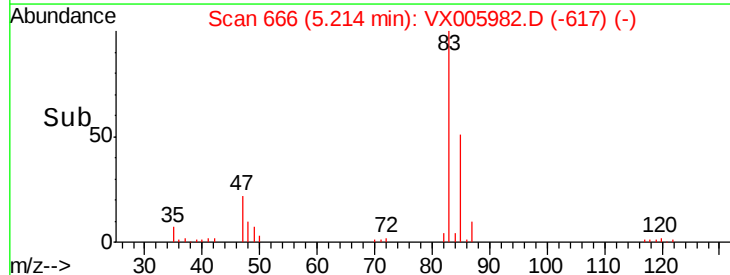
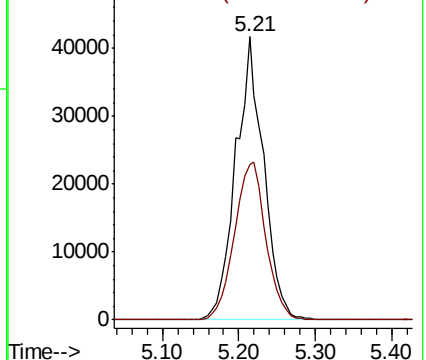
83 100

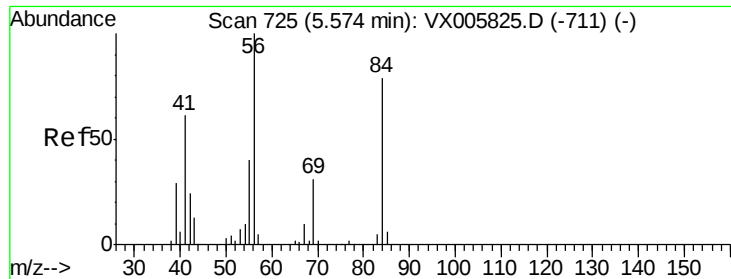
85 55.0 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

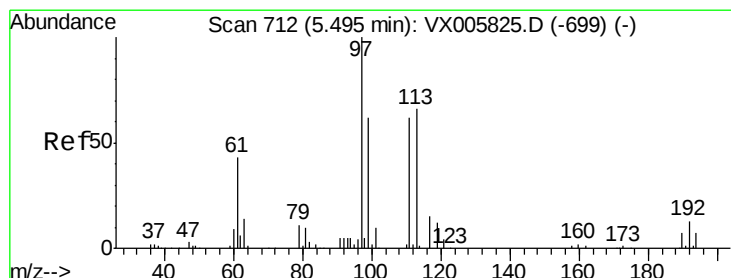
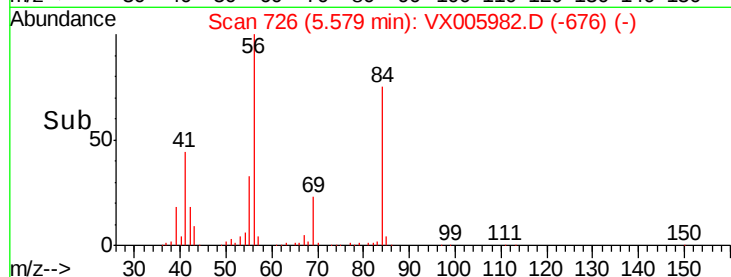
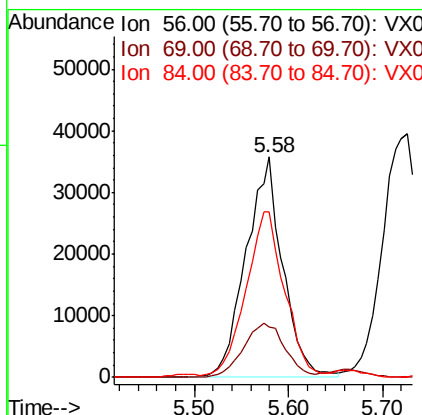
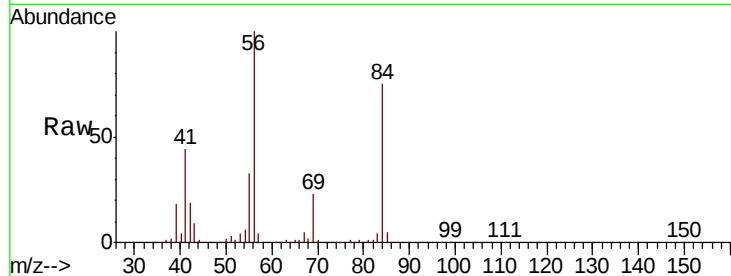




#31
Cyclohexane
Concen: 53.156 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

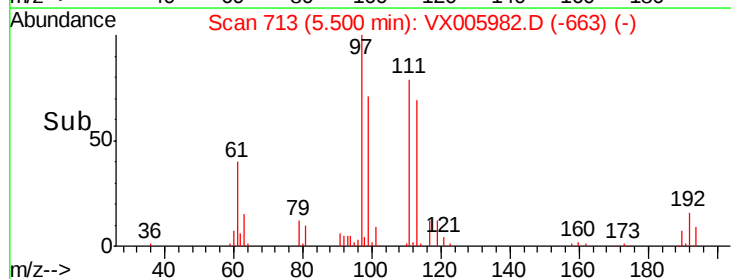
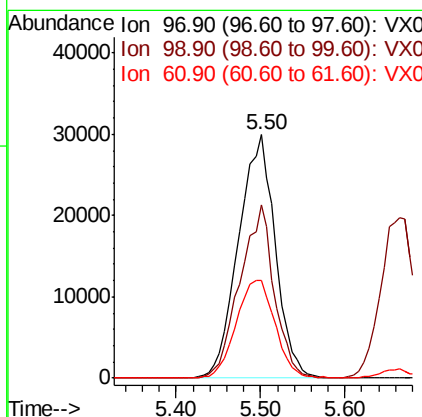
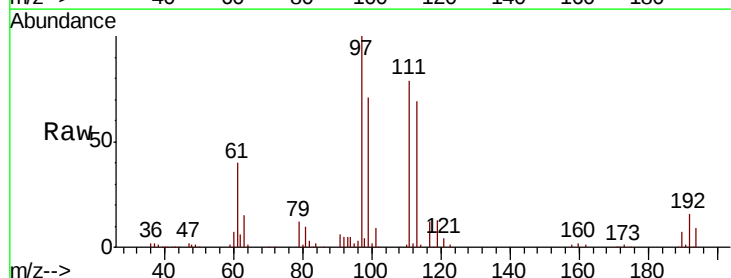
Instrument :
MSVOA_X
ClientSampled :
S36-0144MS

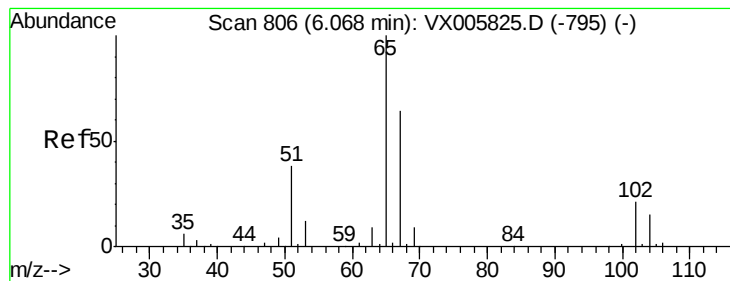
Tot Ion: 56 Resp: 97122
Ion Ratio Lower Upper
56 100
69 22.9 22.6 34.0
84 74.0 62.7 94.1



#32
1,1,1-Trichloroethane
Concen: 52.244 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion: 97 Resp: 88492
Ion Ratio Lower Upper
97 100
99 66.6 52.3 78.5
61 42.6 35.2 52.8





#33

1,2-Dichloroethane-d4

Concen: 54.233 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

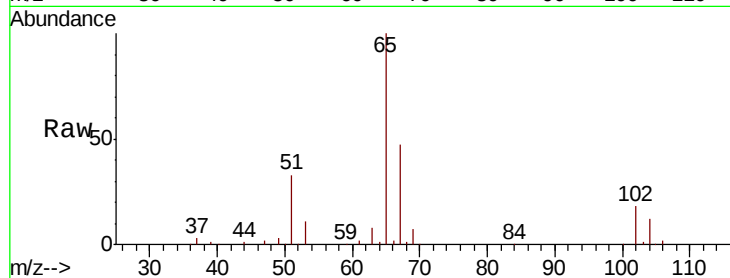
S36-0144MS

Tot Ion: 65 Resp: 71130

Ion Ratio Lower Upper

65 100

67 51.8 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

30000

25000

20000

15000

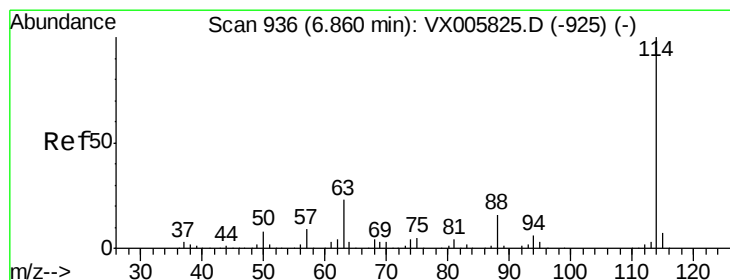
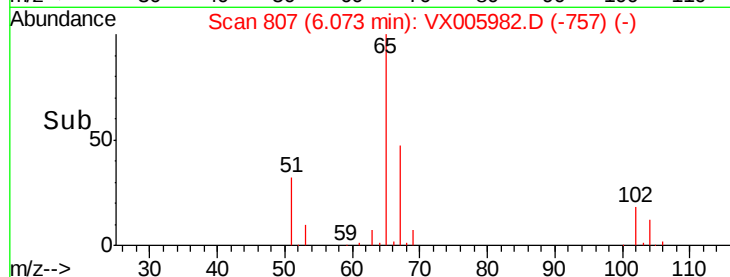
10000

5000

0

Time-->

6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

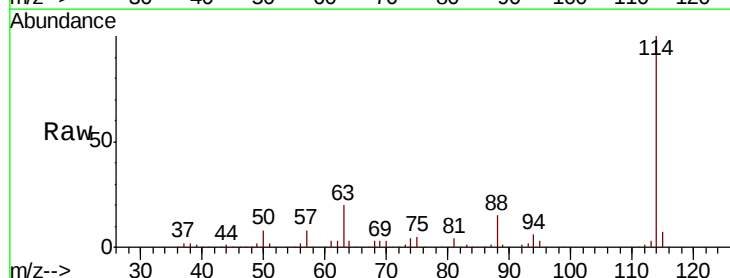
Tgt Ion:114 Resp: 166122

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.8

88 15.0 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

80000

60000

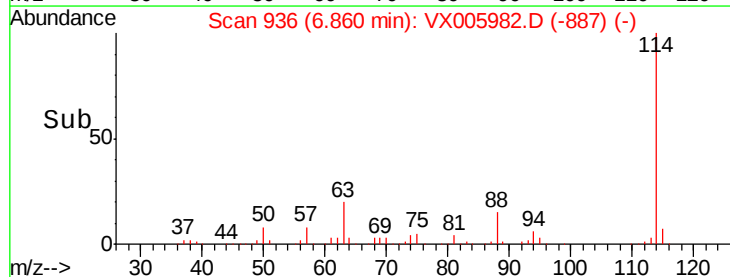
40000

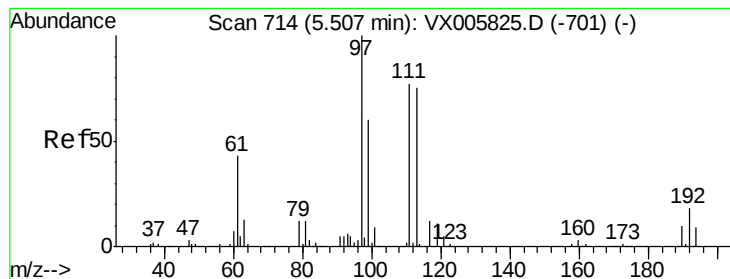
20000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 52.531 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

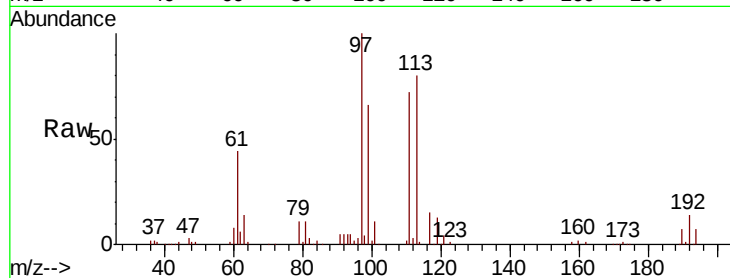
Tot Ion:113 Resp: 59354

Ion Ratio Lower Upper

113 100

111 99.8 82.3 123.5

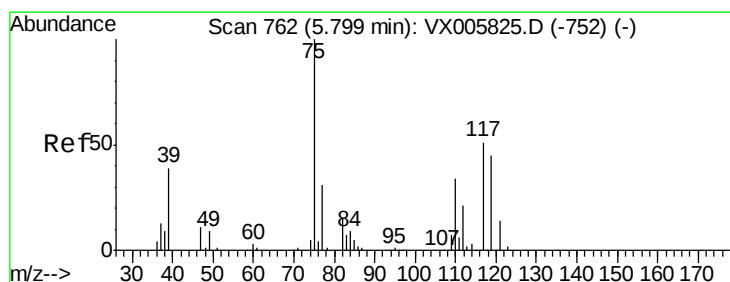
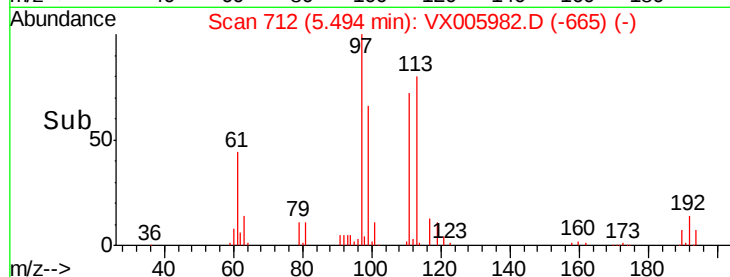
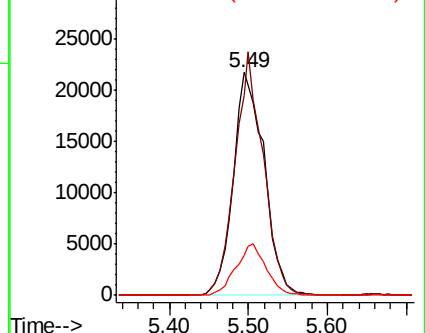
192 22.4 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.367 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

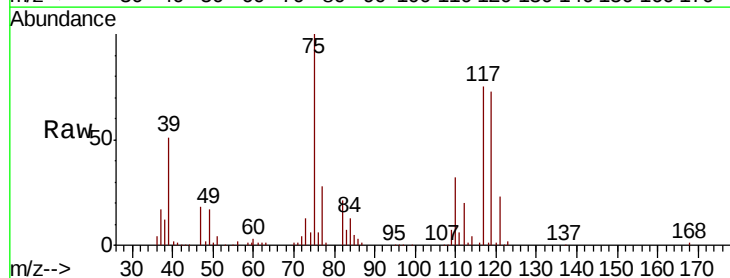
Tgt Ion: 75 Resp: 74254

Ion Ratio Lower Upper

75 100

110 34.8 17.4 52.2

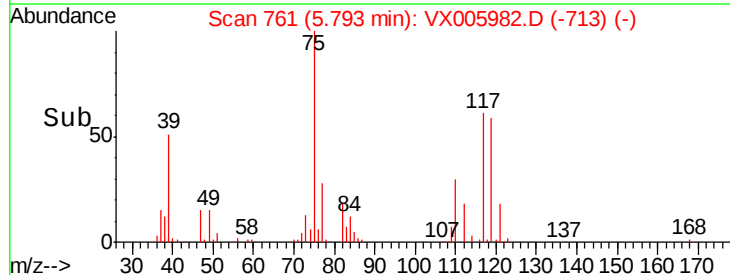
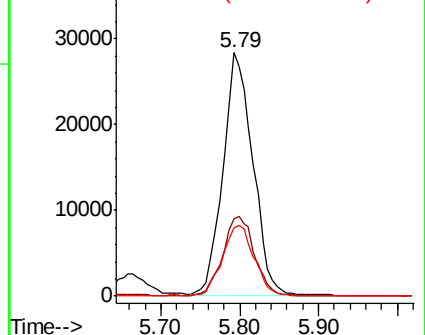
77 30.6 25.8 38.6

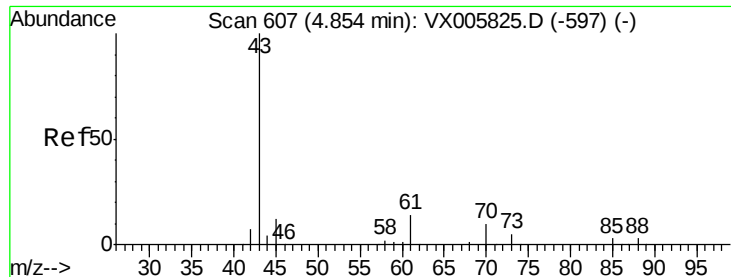


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 43.767 ug/l

RT: 4.86 min Scan# 608

Delta R.T. 0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

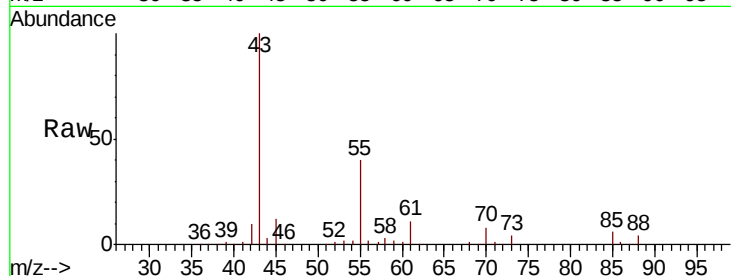
Tot Ion: 43 Resp: 92172

Ion Ratio Lower Upper

43 100

61 13.4 10.8 16.2

70 9.9 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0

120000

100000

80000

60000

40000

20000

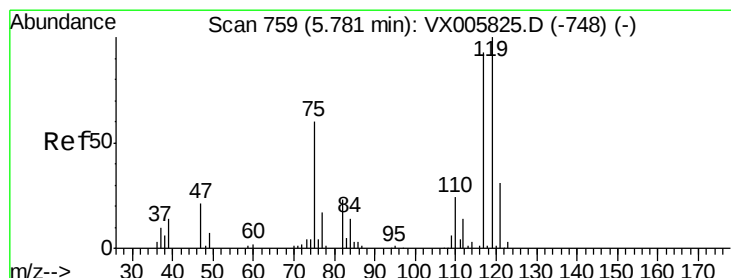
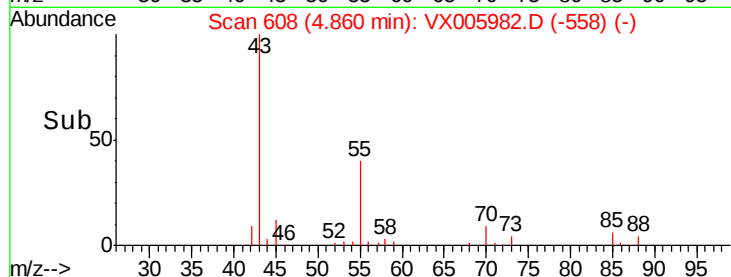
0

4.80

4.90

5.00

Time-->



#38

Carbon Tetrachloride

Concen: 48.664 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

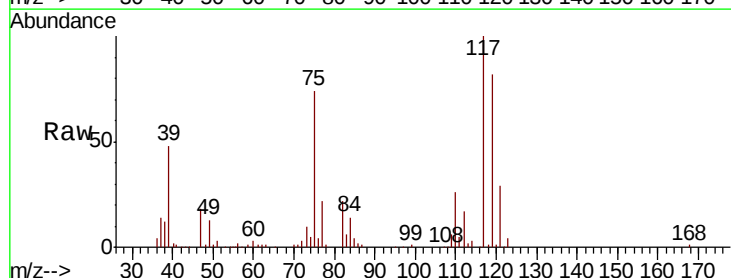
Tgt Ion: 117 Resp: 78020

Ion Ratio Lower Upper

117 100

119 81.9 78.1 117.1

121 29.4 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

40000

30000

20000

10000

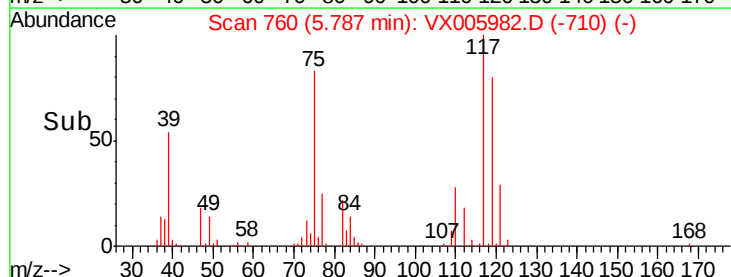
0

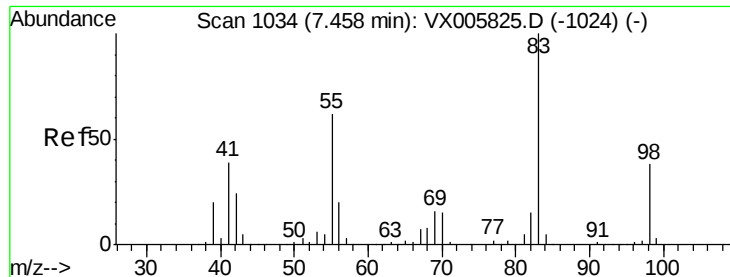
5.70

5.80

5.90

Time-->

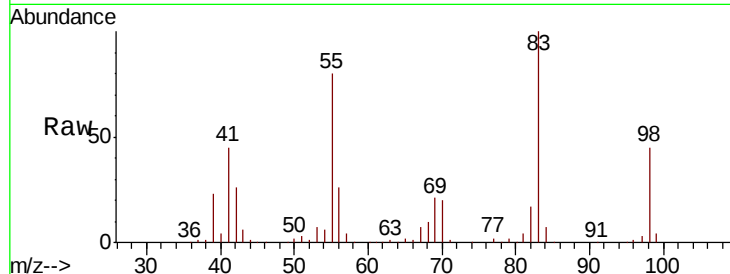




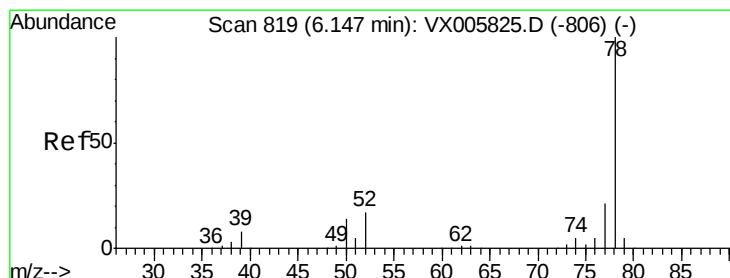
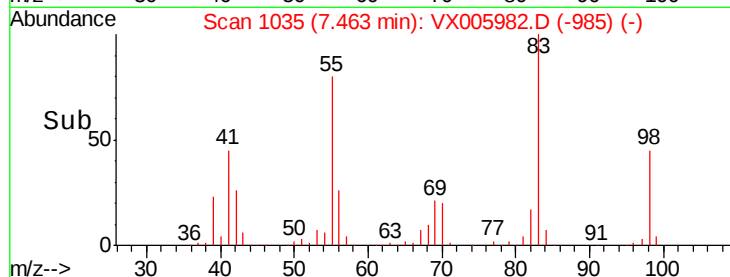
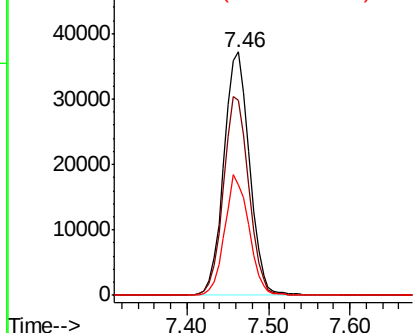
#39
Methvlcvclohexane
Concen: 49.787 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MS

Tot Ion: 83 Resp: 80810
Ion Ratio Lower Upper
83 100
55 79.9 63.7 95.5
98 45.4 36.2 54.2

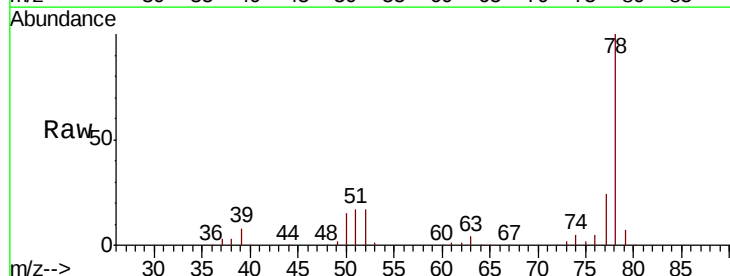


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

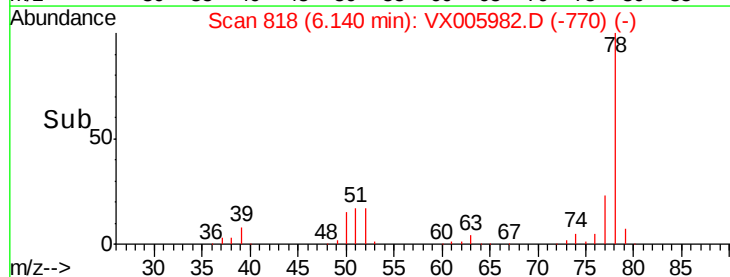
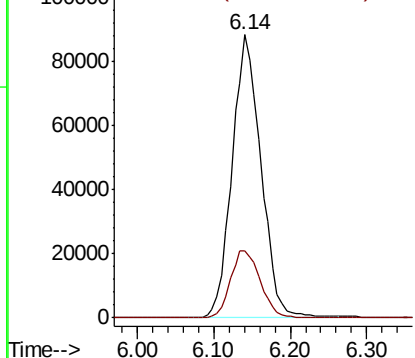


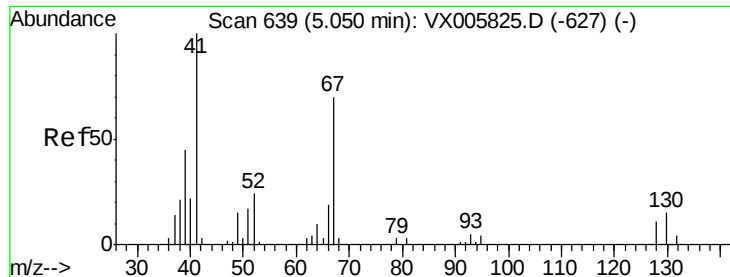
#40
Benzene
Concen: 49.477 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion: 78 Resp: 230988
Ion Ratio Lower Upper
78 100
77 23.6 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 53.440 ug/l

RT: 5.06 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampled :

S36-0144MS

Tot Ion: 41 Resp: 60812

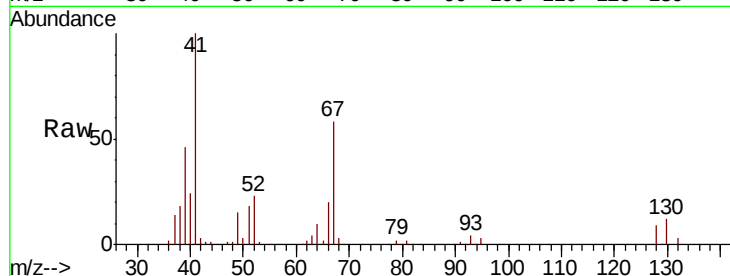
Ion Ratio Lower Upper

41 100

39 50.4 42.2 63.2

67 67.2 53.4 80.0

52 26.2 23.4 35.2

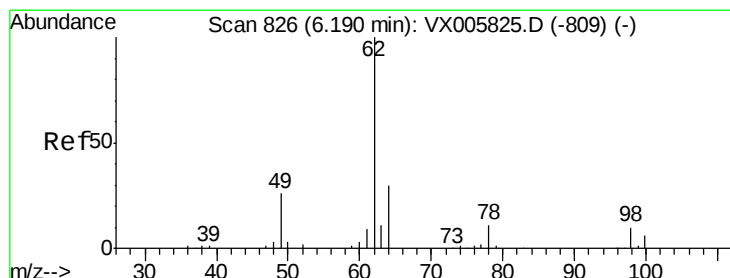
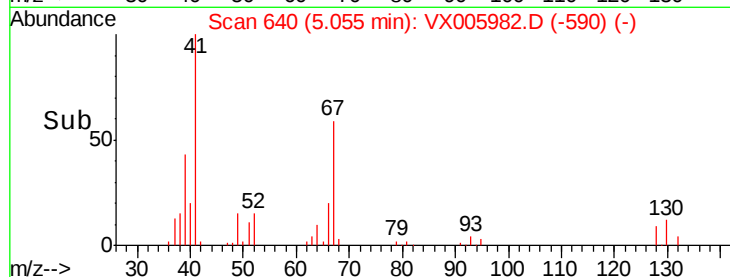
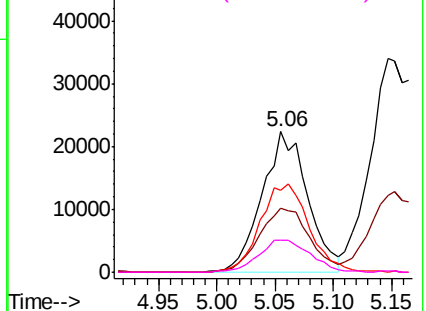


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 50.068 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX005982.D

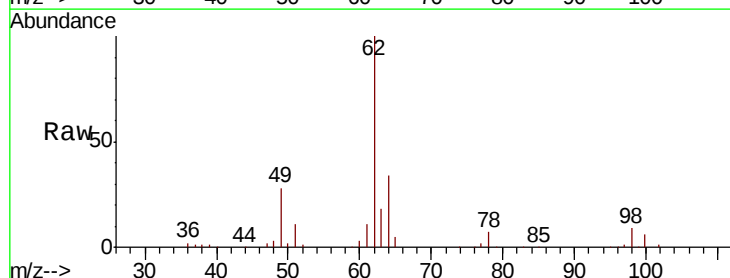
Acq: 14 Nov 2018 18:48

Tgt Ion: 62 Resp: 83722

Ion Ratio Lower Upper

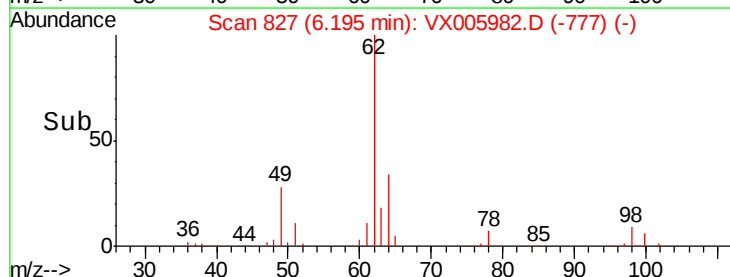
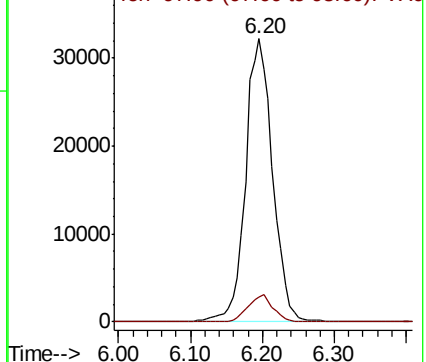
62 100

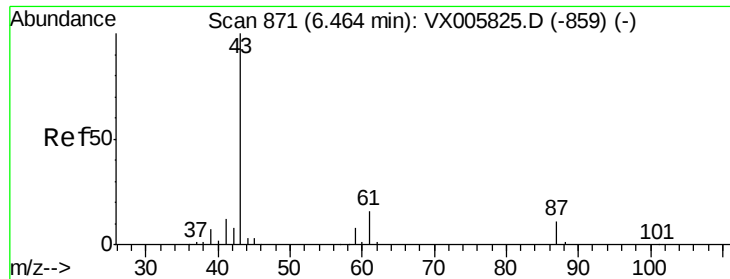
98 8.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 46.940 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

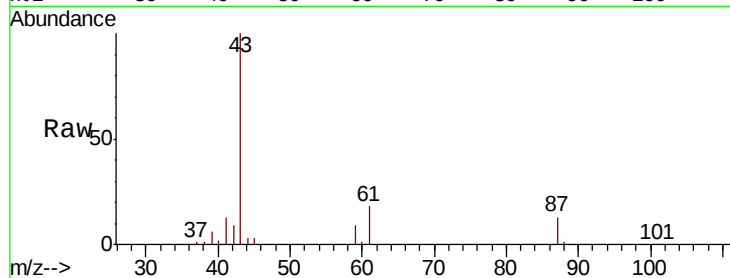
Tot Ion: 43 Resp: 143238

Ion Ratio Lower Upper

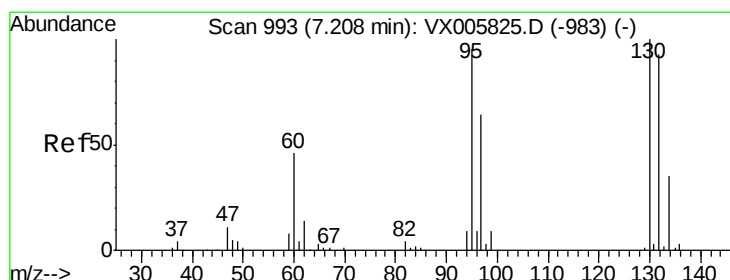
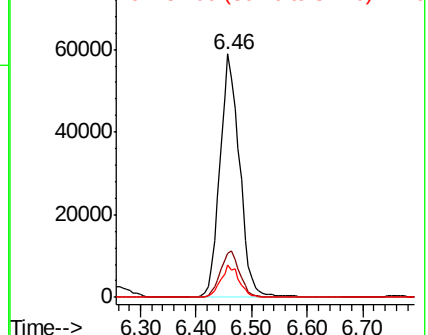
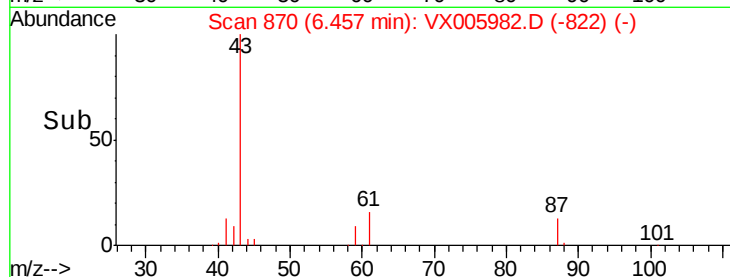
43 100

61 19.1 14.6 22.0

87 12.5 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX005982.D (-822) (-)



#44

Trichloroethene

Concen: 48.578 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005982.D

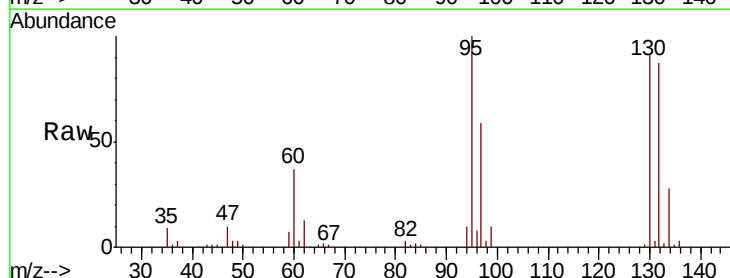
Acq: 14 Nov 2018 18:48

Tgt Ion:130 Resp: 57595

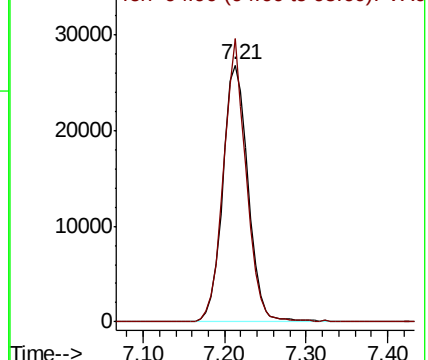
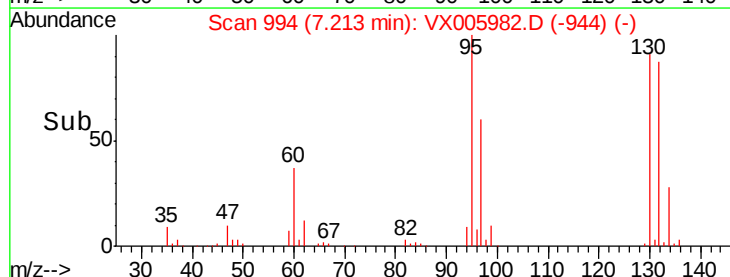
Ion Ratio Lower Upper

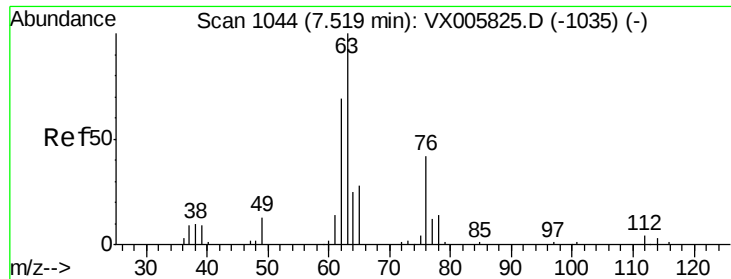
130 100

95 110.3 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): VX005982.D (-944) (-)





#45

1,2-Dichloropropane

Concen: 53.663 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

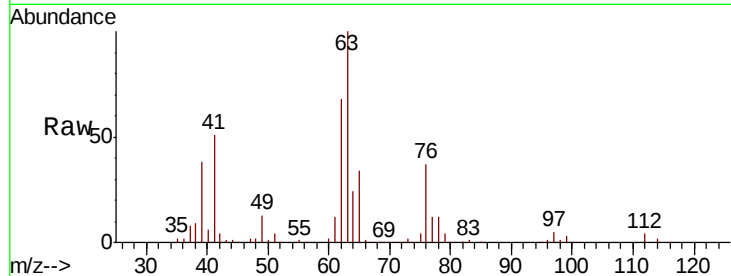
S36-0144MS

Tot Ion: 63 Resp: 60809

Ion Ratio Lower Upper

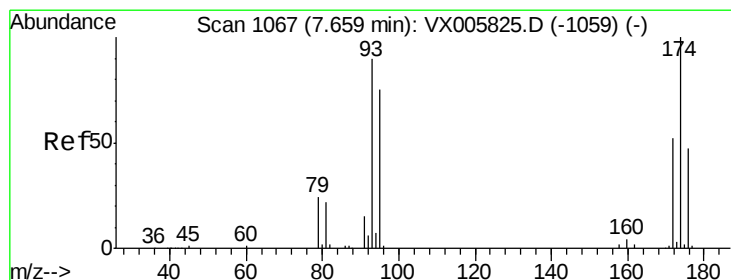
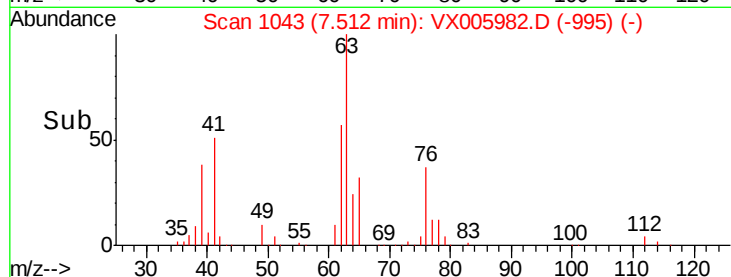
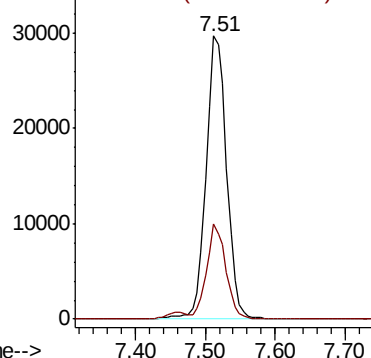
63 100

65 33.7 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 52.765 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

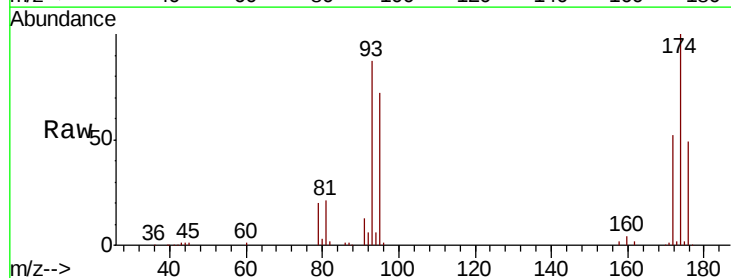
Tgt Ion: 93 Resp: 37519

Ion Ratio Lower Upper

93 100

95 83.3 67.4 101.0

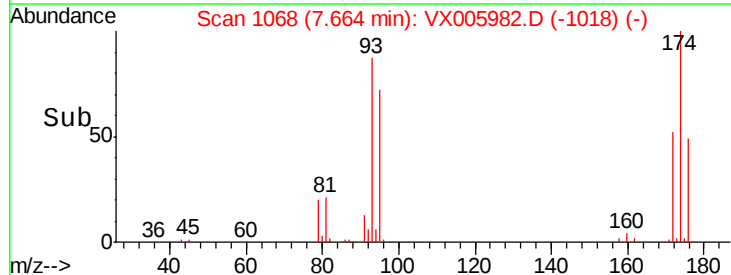
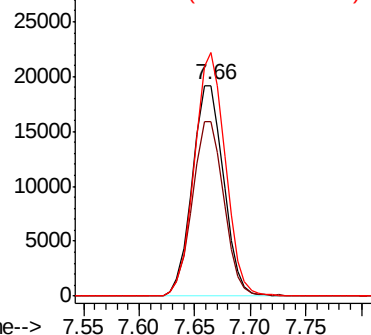
174 113.6 91.5 137.3

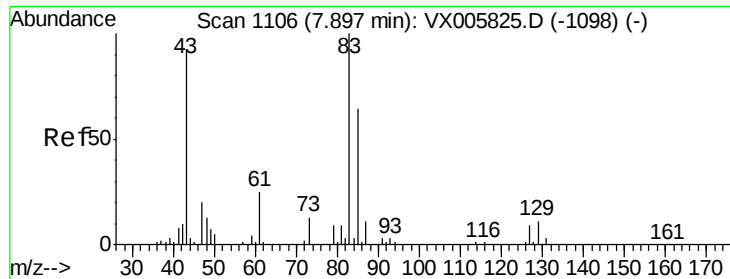


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 53.504 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

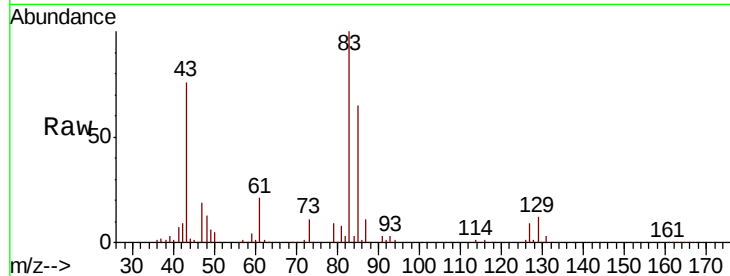
Tot Ion: 83 Resp: 71900

Ion Ratio Lower Upper

83 100

85 64.8 50.2 75.4

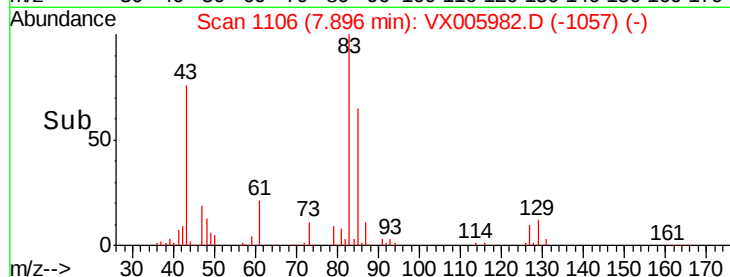
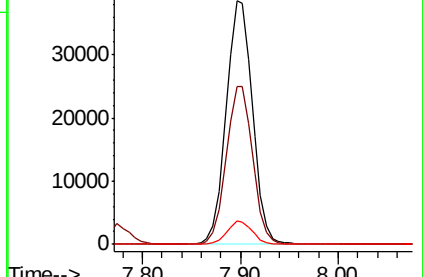
127 9.5 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 55.825 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

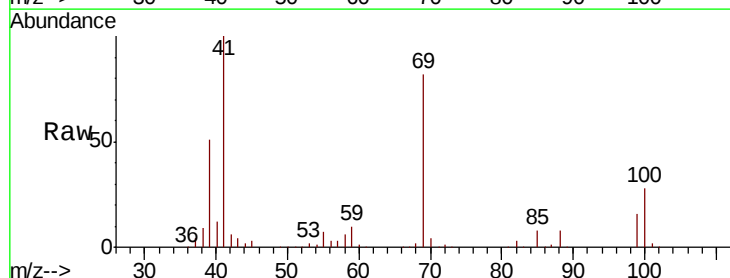
Tgt Ion: 41 Resp: 76492

Ion Ratio Lower Upper

41 100

69 81.6 63.2 94.8

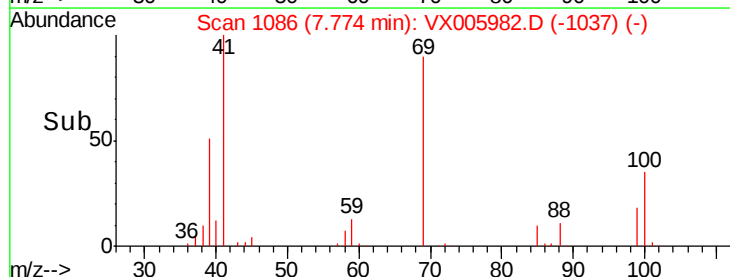
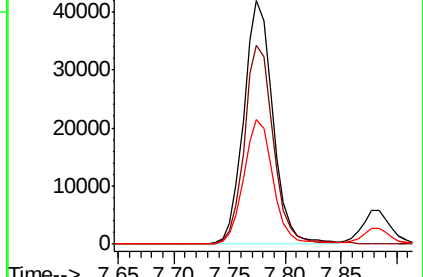
39 51.4 42.2 63.2

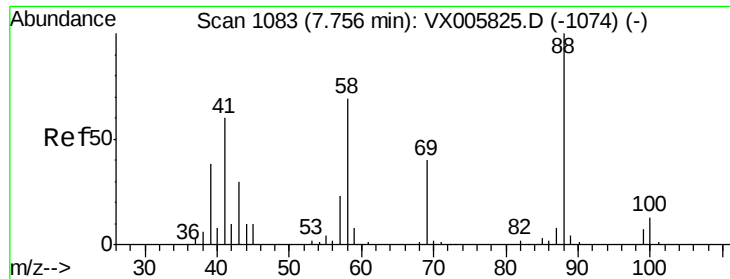


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

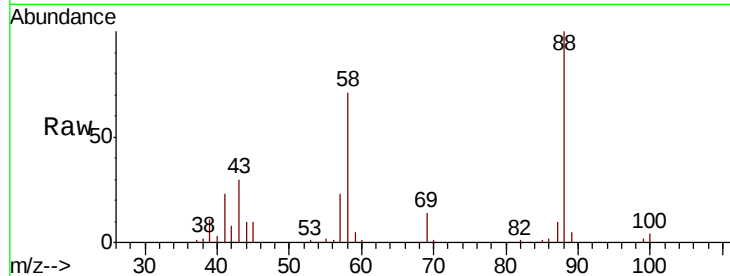




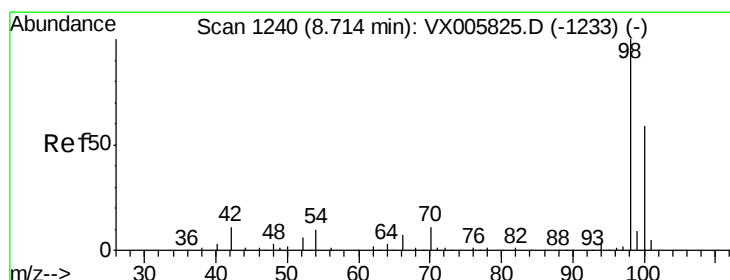
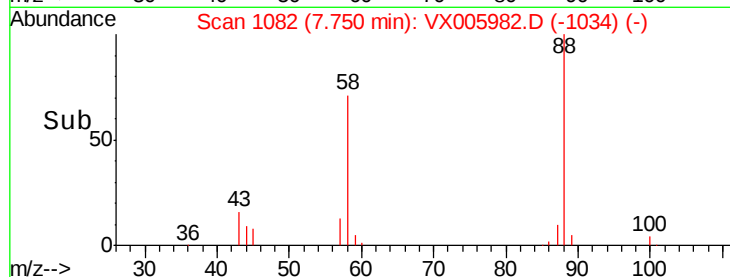
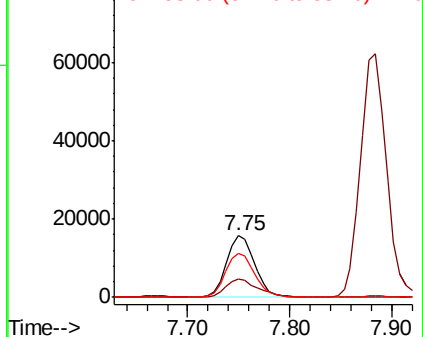
#49
1,4-Dioxane
Concen: 1010.843 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MS

Tot Ion: 88 Resp: 29846
Ion Ratio Lower Upper
88 100
43 33.2 27.4 41.0
58 74.5 59.4 89.2

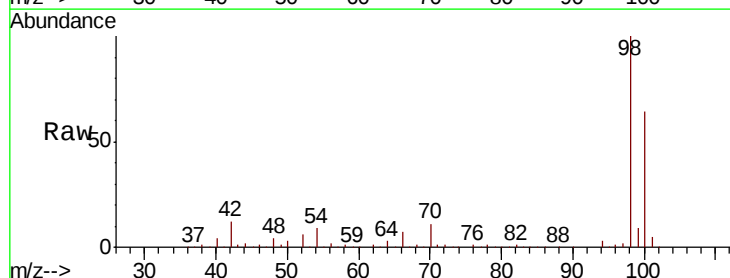


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

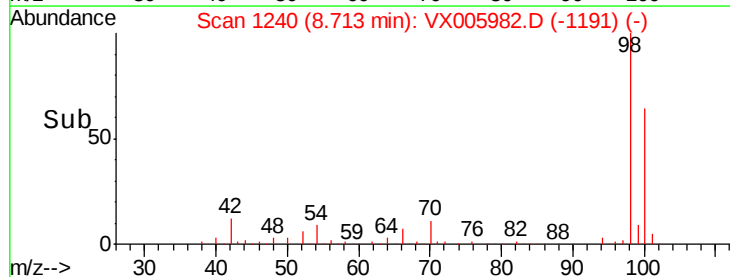
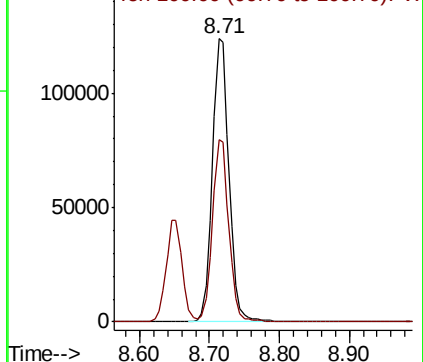


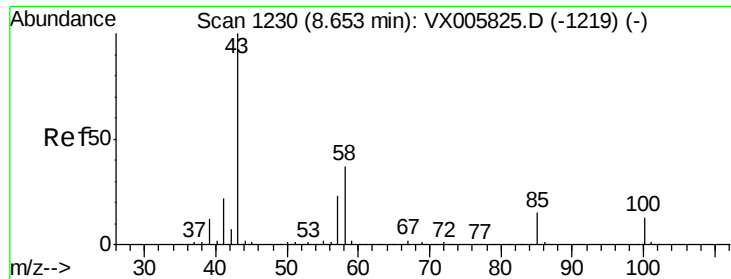
#50
Toluene-d8
Concen: 54.321 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion: 98 Resp: 204049
Ion Ratio Lower Upper
98 100
100 63.4 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 268.093 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

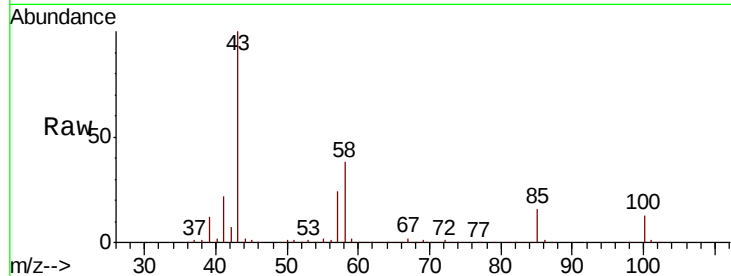
S36-0144MS

Tot Ion: 43 Resp: 515598

Ion Ratio Lower Upper

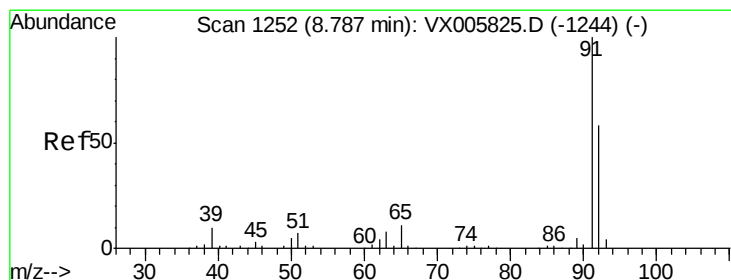
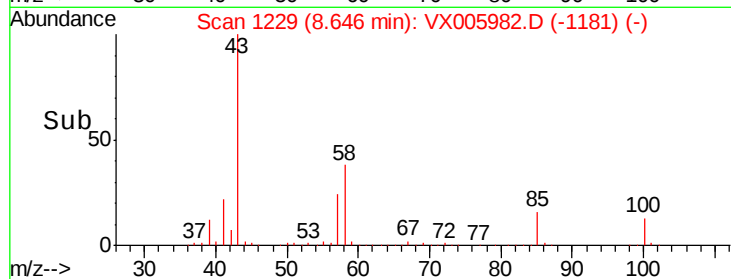
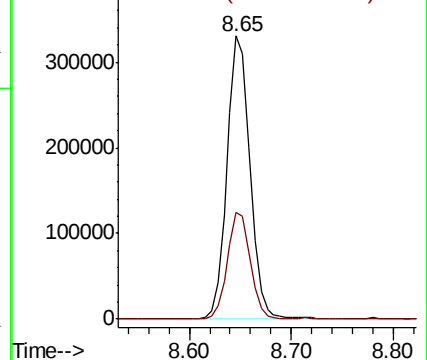
43 100

58 37.6 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.452 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005982.D

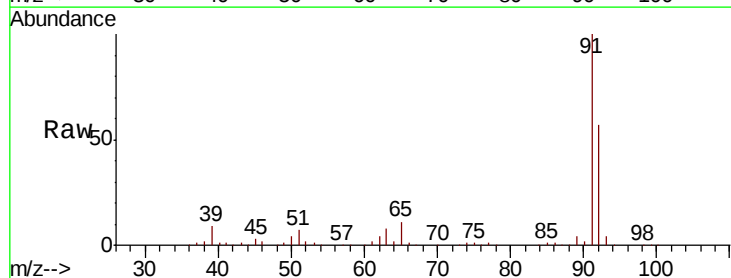
Acq: 14 Nov 2018 18:48

Tgt Ion: 92 Resp: 134249

Ion Ratio Lower Upper

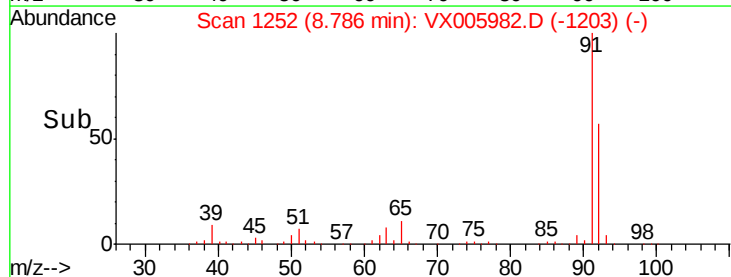
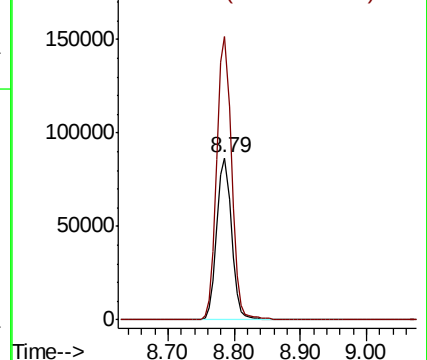
92 100

91 175.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

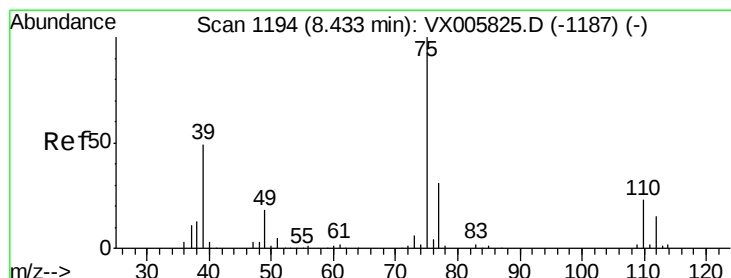
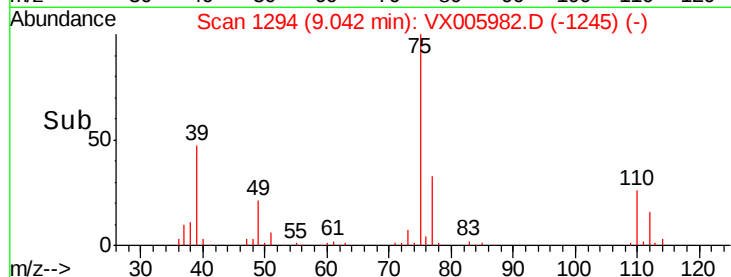
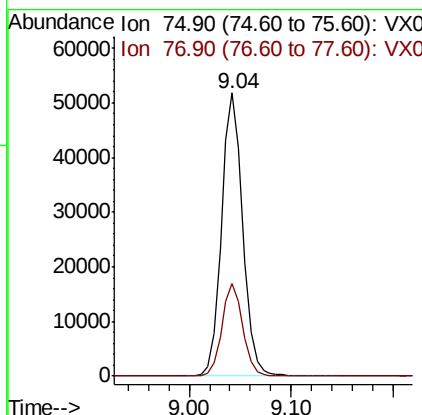
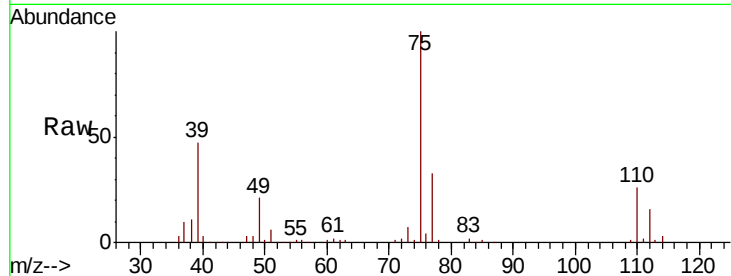




#53
 t-1,3-Dichloropropene
 Concen: 47.093 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

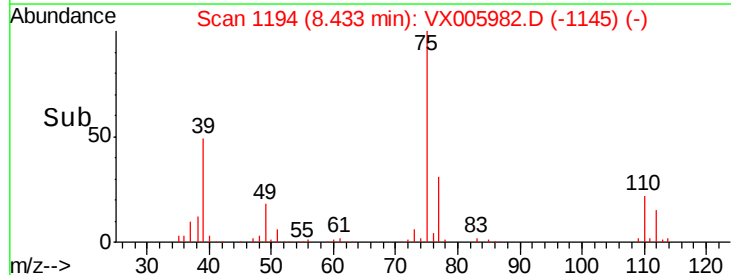
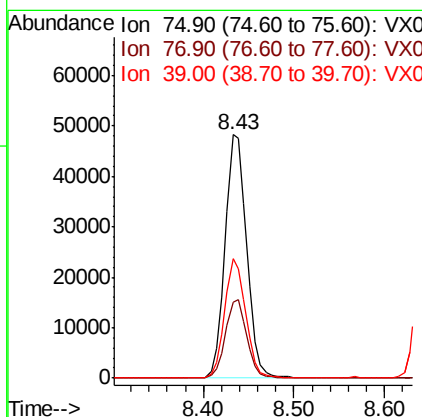
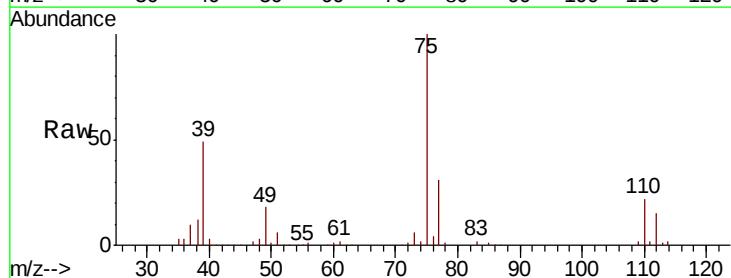
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MS

Tot Ion: 75 Resp: 74682
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 49.458 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Tgt Ion: 75 Resp: 79942
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.2 37.8
 39 48.9 38.2 57.2

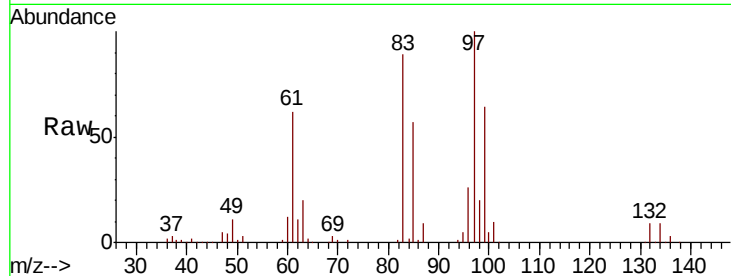




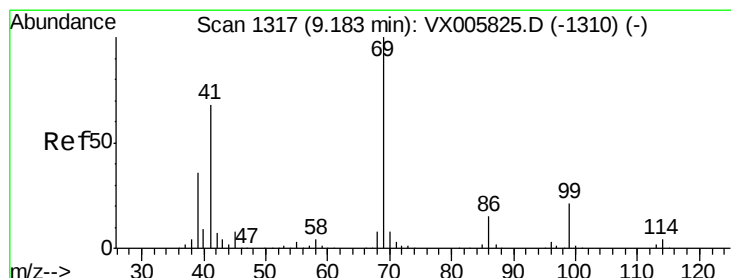
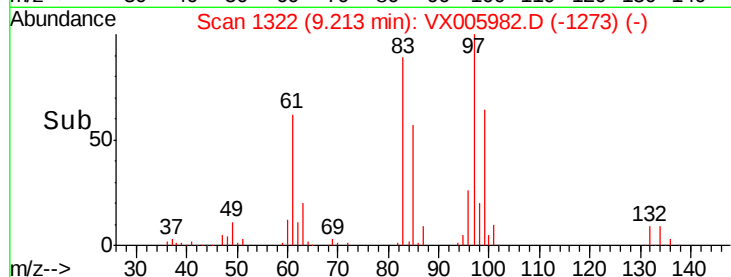
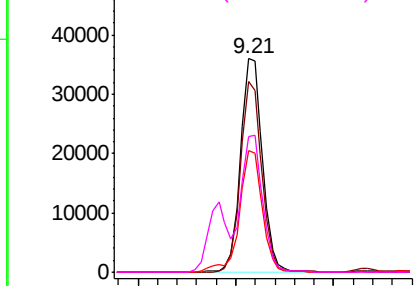
#55
 1,1,2-Trichloroethane
 Concen: 48.082 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MS

Tot Ion:	97	Resp:	55913
Ion	Ratio	Lower	Upper
97	100		
83	89.1	70.7	106.1
85	56.8	45.8	68.6
99	63.7	51.8	77.8

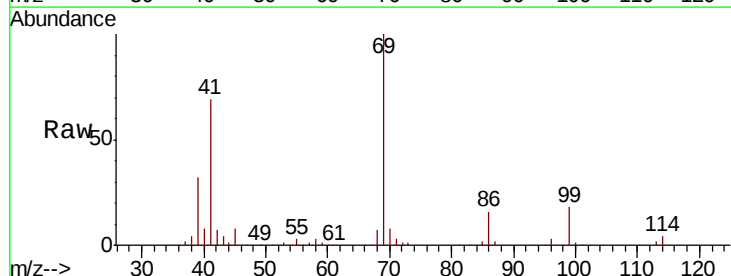


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

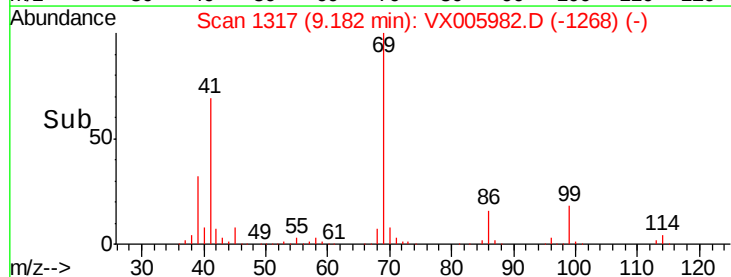
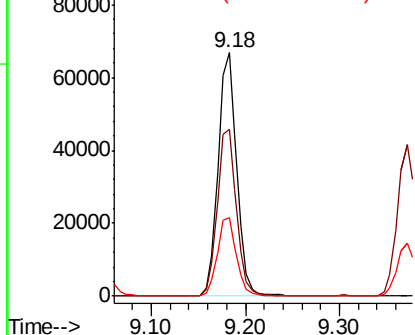


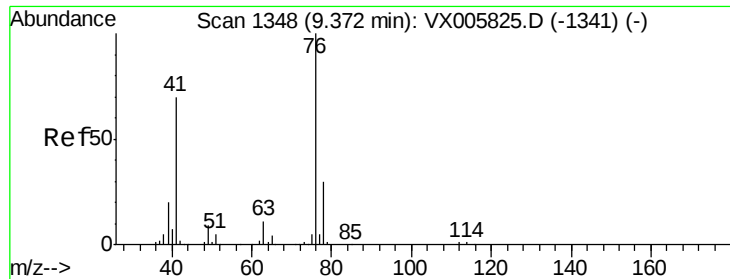
#56
 Ethyl methacrylate
 Concen: 52.754 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Tgt Ion:	69	Resp:	91789
Ion	Ratio	Lower	Upper
69	100		
41	70.9	57.0	85.6
39	33.0	28.3	42.5



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: 48.765 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

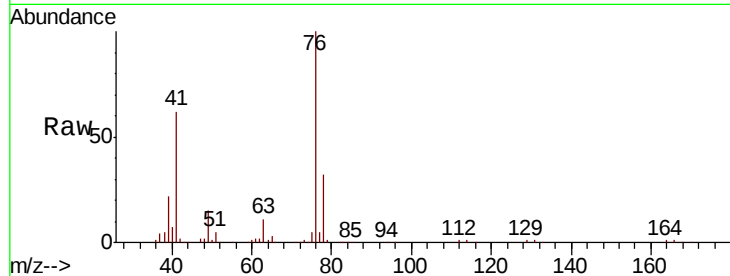
S36-0144MS

Tot Ion: 76 Resp: 95296

Ion Ratio Lower Upper

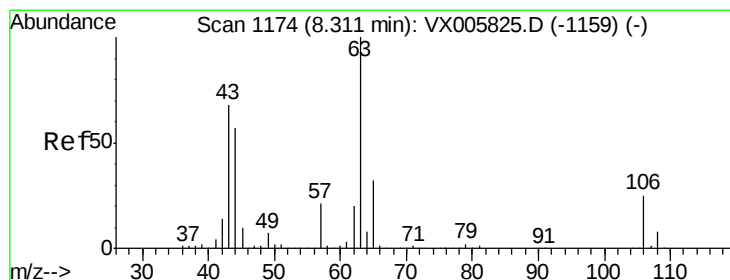
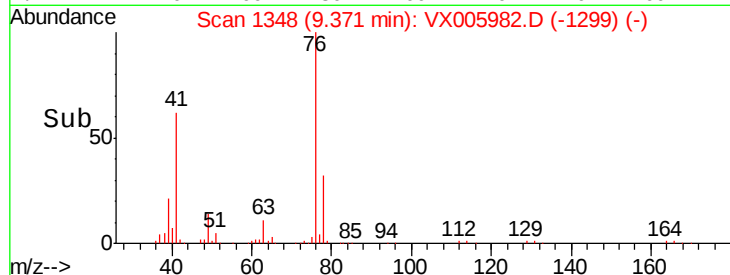
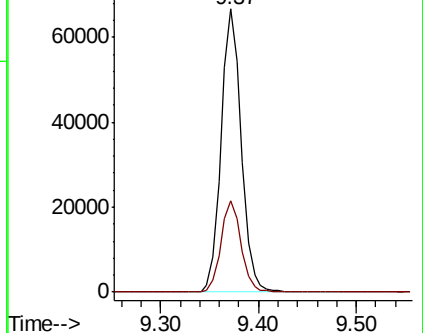
76 100

78 32.2 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 8.417 ug/l

RT: 8.28 min Scan# 1169

Delta R.T. -0.03 min

Lab File: VX005982.D

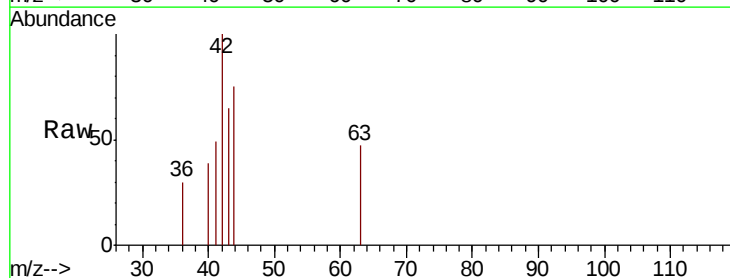
Acq: 14 Nov 2018 18:48

Tgt Ion: 63 Resp: 136

Ion Ratio Lower Upper

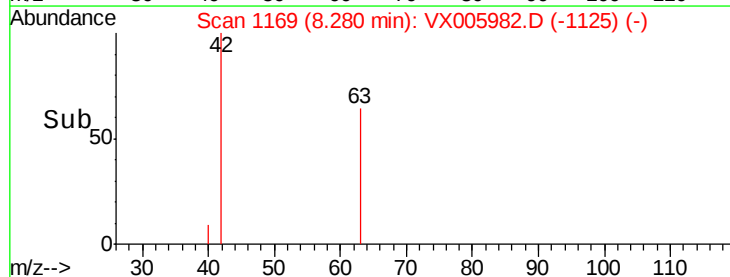
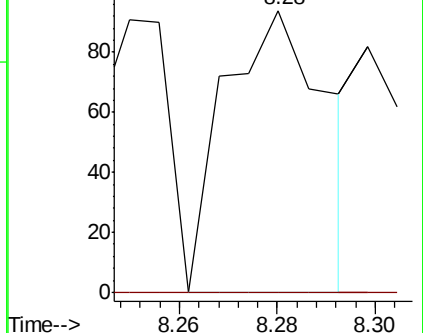
63 100

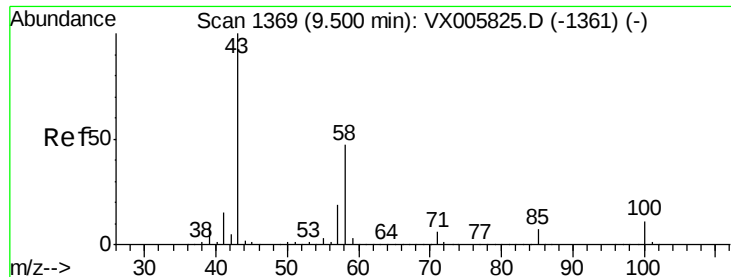
106 0.0 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

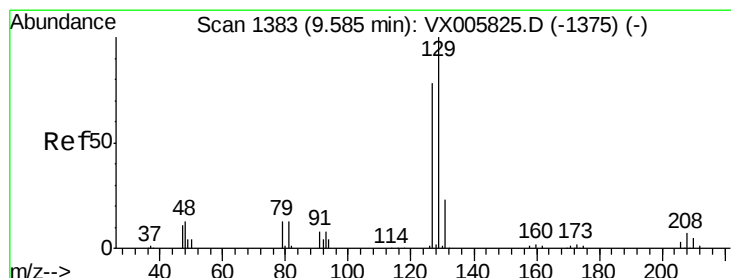
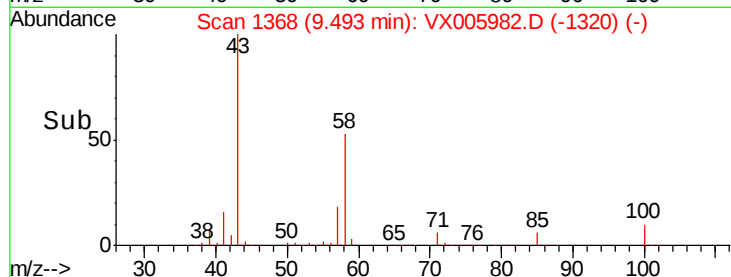
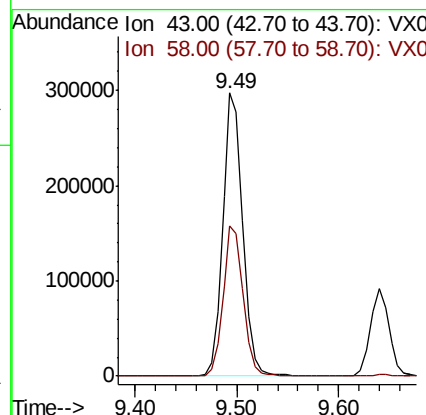
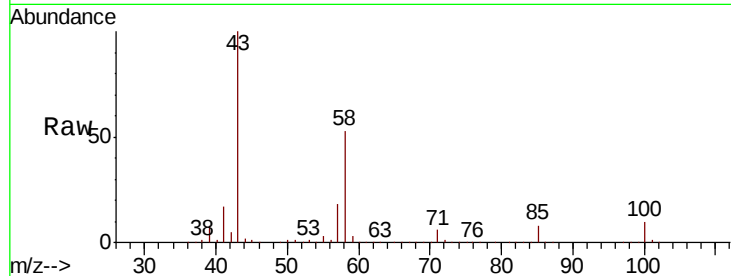




#59
2-Hexanone
Concen: 239.480 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

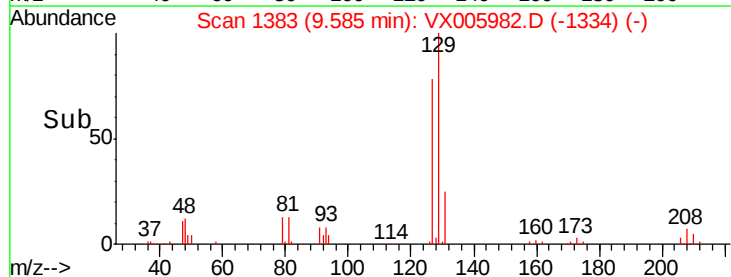
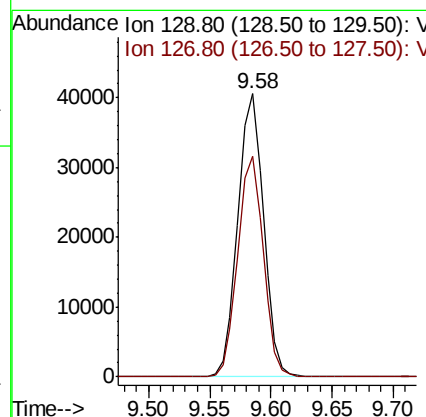
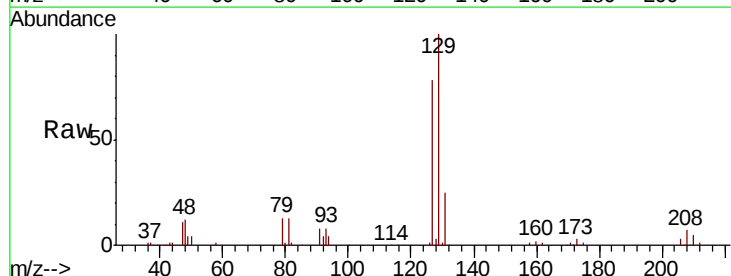
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MS

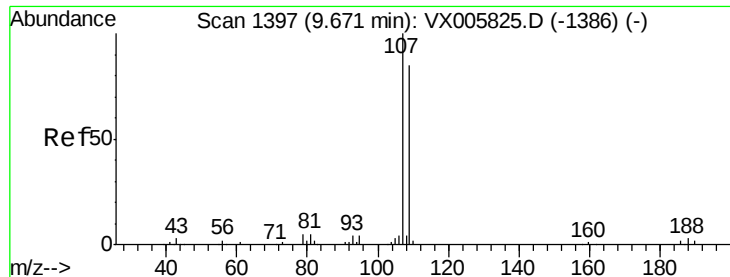
Tot Ion: 43 Resp: 405971
Ion Ratio Lower Upper
43 100
58 53.4 25.9 77.8



#60
Dibromochloromethane
Concen: 46.835 ug/l
RT: 9.58 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion:129 Resp: 58860
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





#61

1,2-Dibromoethane

Concen: 45.750 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

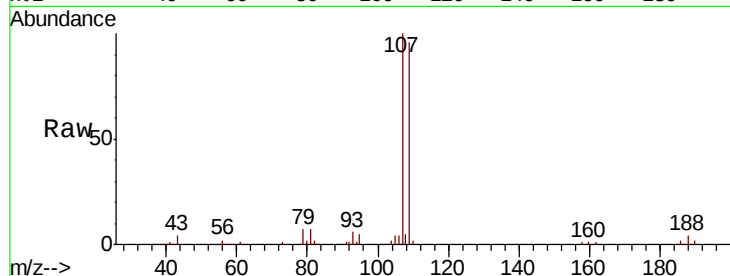
S36-0144MS

Tot Ion:107 Resp: 58828

Ion Ratio Lower Upper

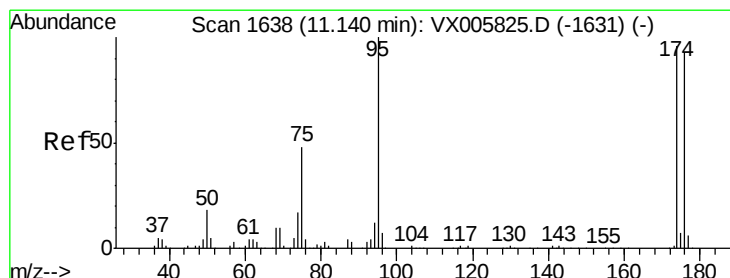
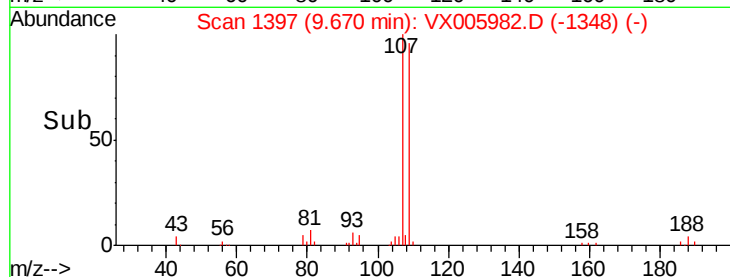
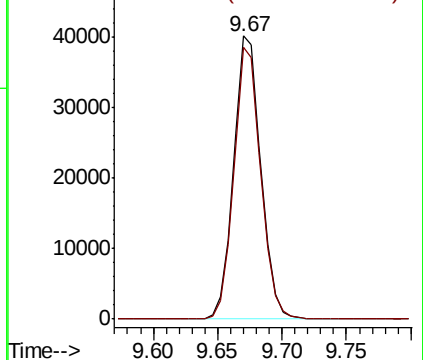
107 100

109 95.2 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 56.284 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

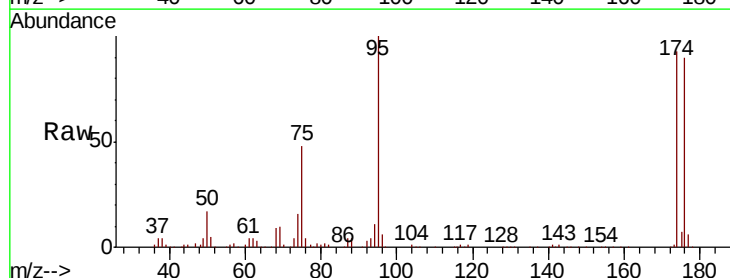
Tgt Ion: 95 Resp: 76014

Ion Ratio Lower Upper

95 100

174 90.2 0.0 184.4

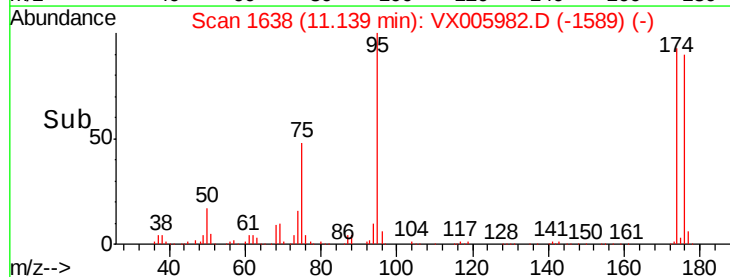
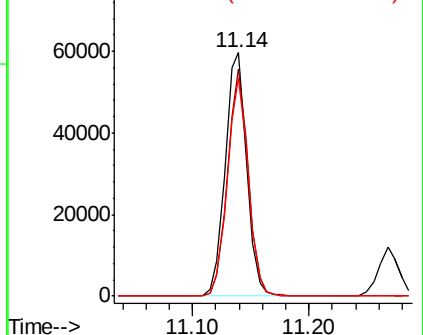
176 87.9 0.0 177.4

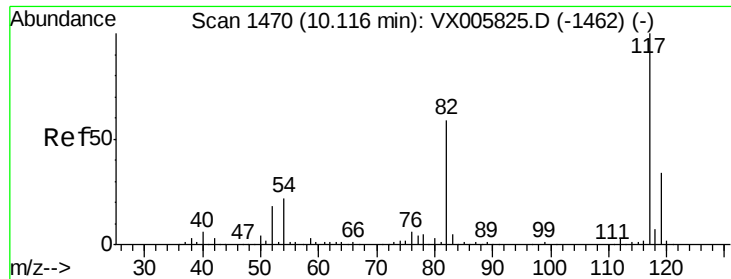


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

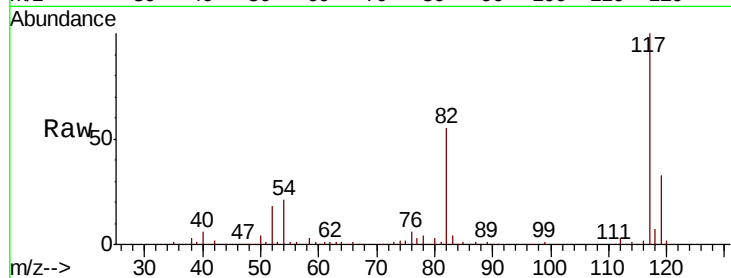




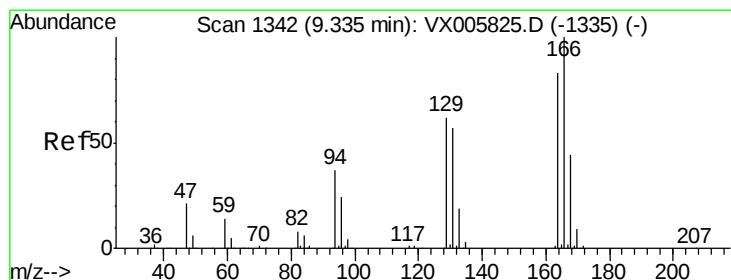
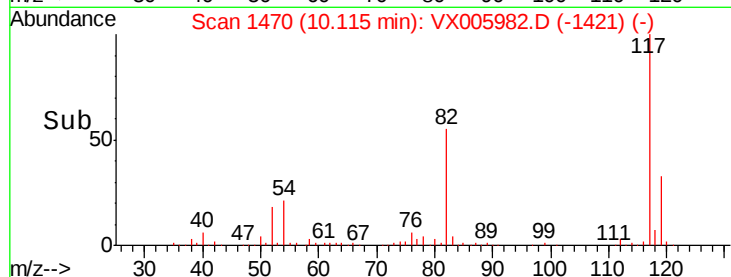
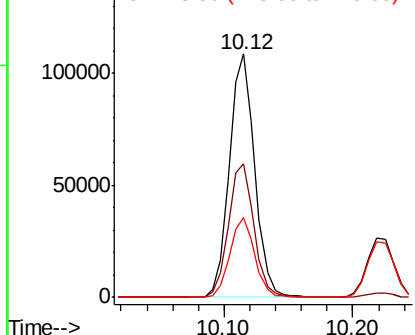
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Instrument :
MSVOA_X
ClientSampled :
S36-0144MS

Tot Ion:117 Resp: 149797
Ion Ratio Lower Upper
117 100
82 54.9 44.1 66.1
119 32.9 26.2 39.2

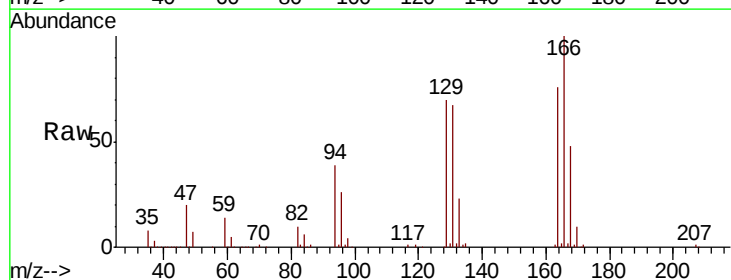


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

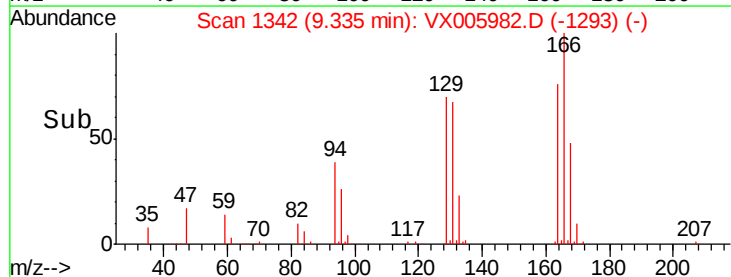
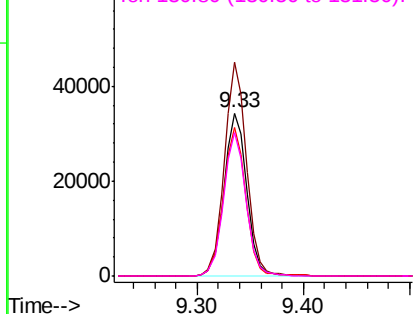


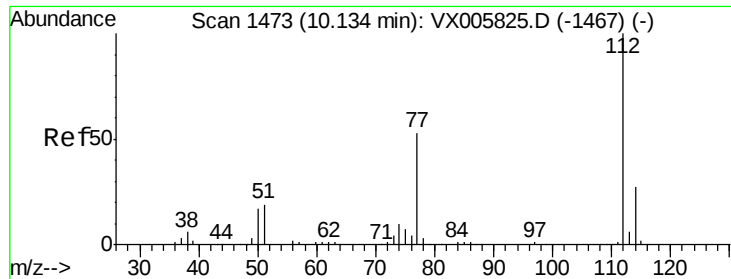
#64
Tetrachloroethene
Concen: 40.166 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion:164 Resp: 51227
Ion Ratio Lower Upper
164 100
166 131.1 101.9 152.9
129 91.1 72.6 109.0
131 87.8 71.1 106.7



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

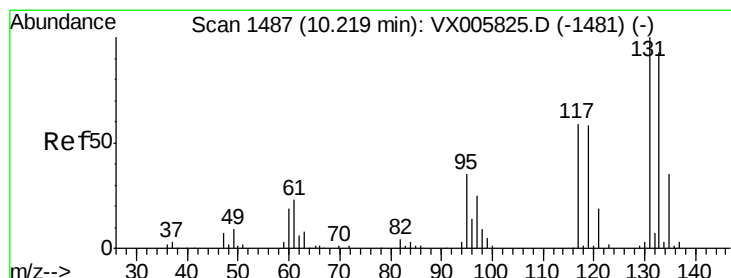
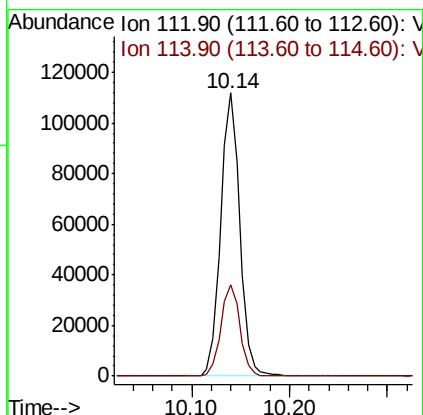
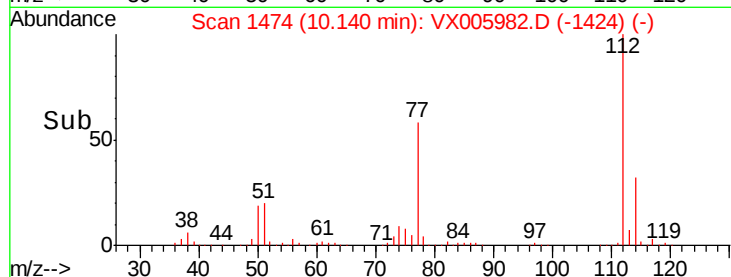
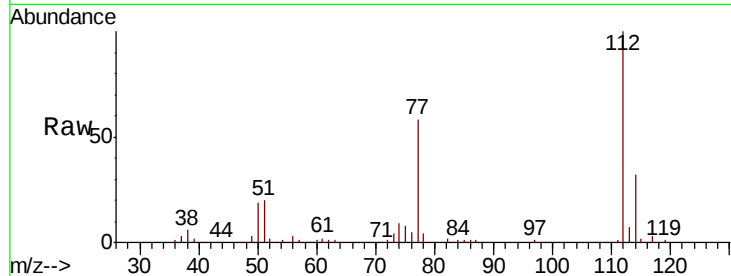




#65
Chlorobenzene
Concen: 50.459 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

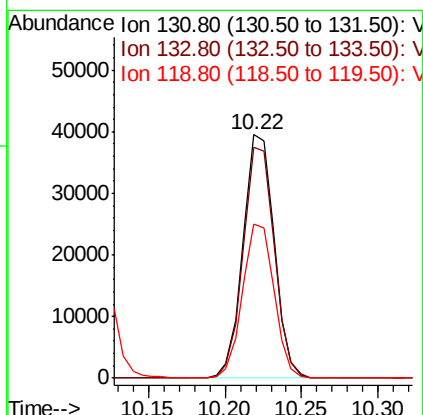
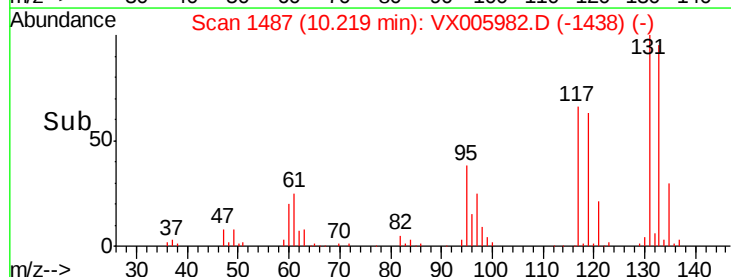
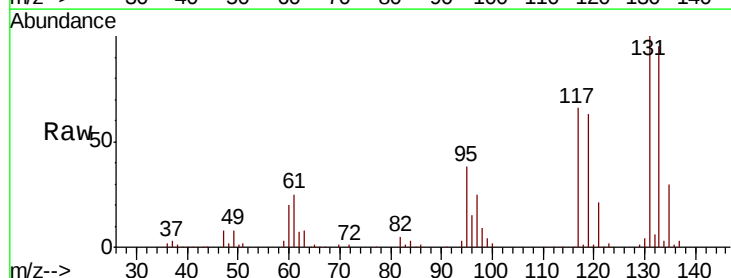
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MS

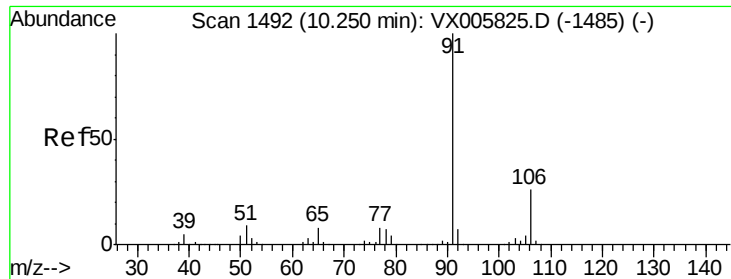
Tot Ion:112 Resp: 151424
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 53.629 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion:131 Resp: 55950
Ion Ratio Lower Upper
131 100
133 95.2 47.5 142.5
119 64.0 31.8 95.3

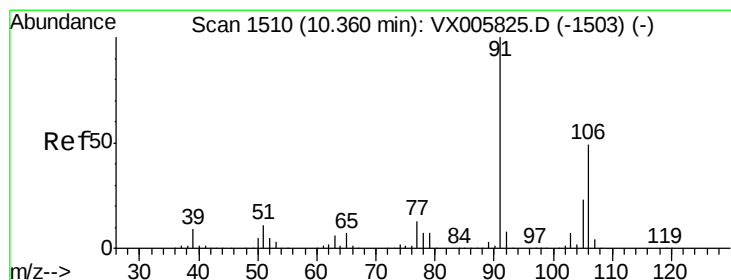
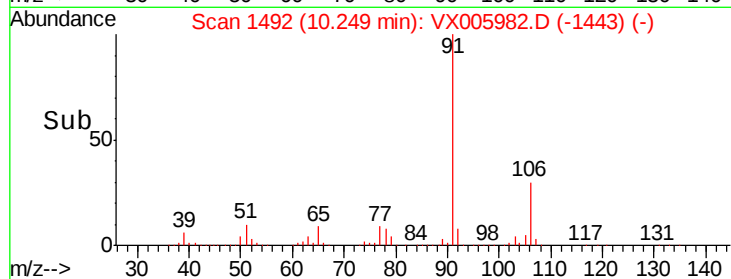
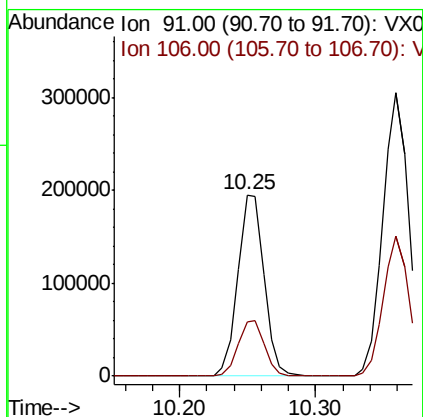
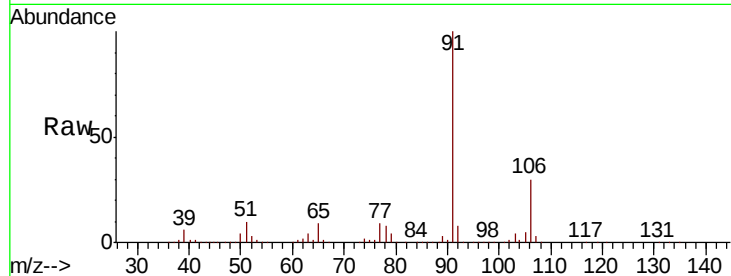




#67
Ethyl Benzene
Concen: 54.477 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

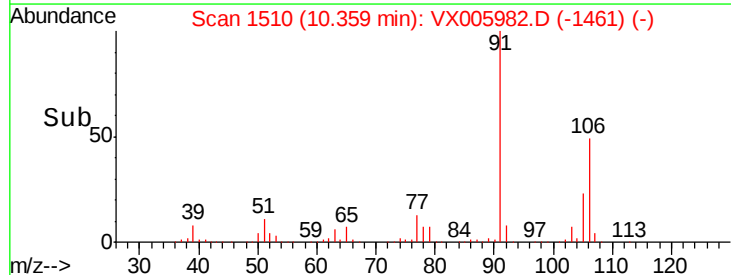
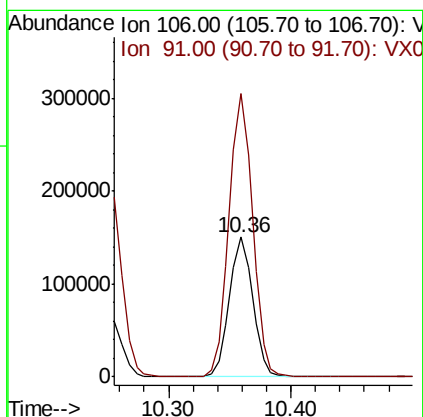
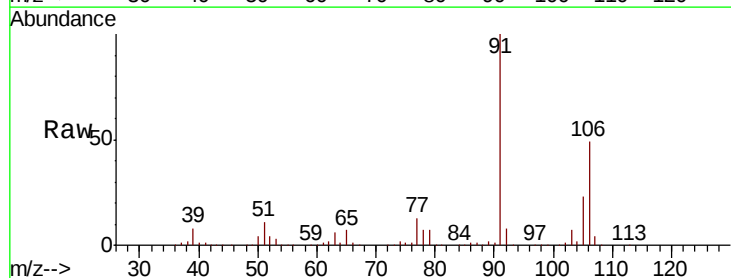
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MS

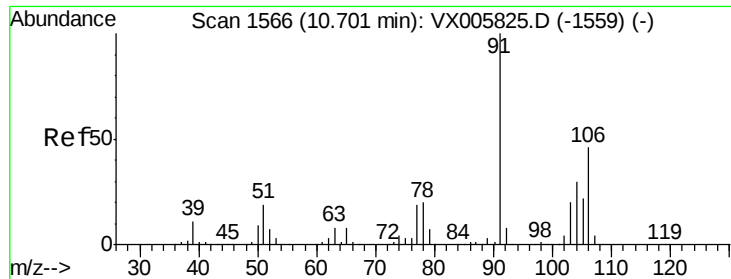
Tot Ion: 91 Resp: 262143
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6



#68
m/p-Xylenes
Concen: 108.439 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion: 106 Resp: 199040
Ion Ratio Lower Upper
106 100
91 205.6 164.2 246.4

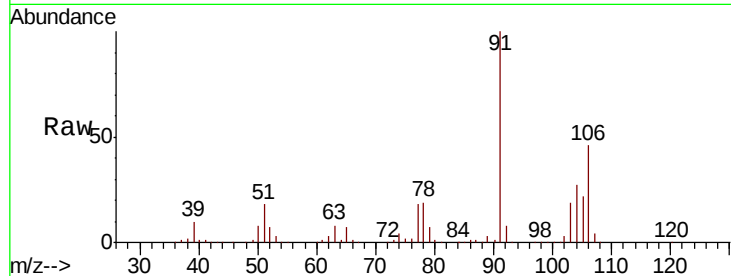




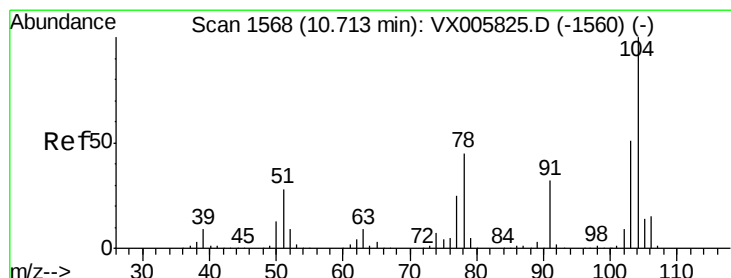
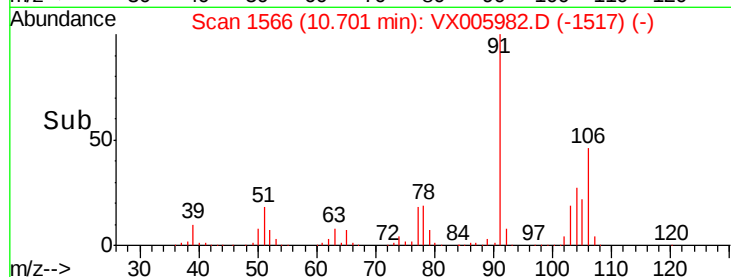
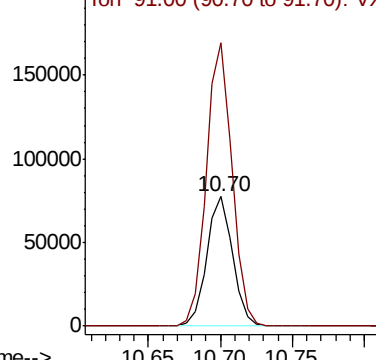
#69
o-Xylene
Concen: 58.691 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Instrument :
MSVOA_X
ClientSampled :
S36-0144MS

Tot Ion:106 Resp: 96599
Ion Ratio Lower Upper
106 100
91 219.1 108.5 325.5

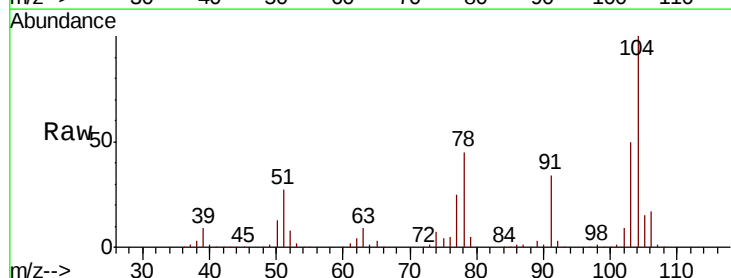


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

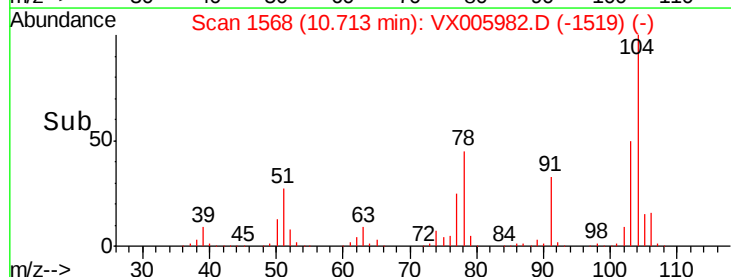
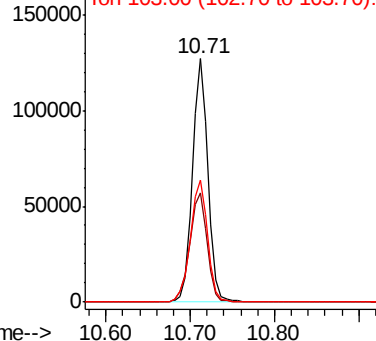


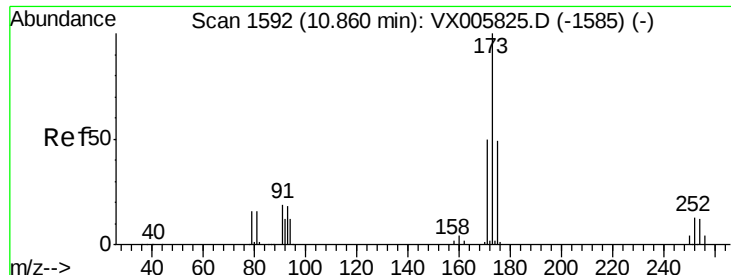
#70
Styrene
Concen: 59.554 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion:104 Resp: 161697
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.4
103 55.8 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 55.572 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

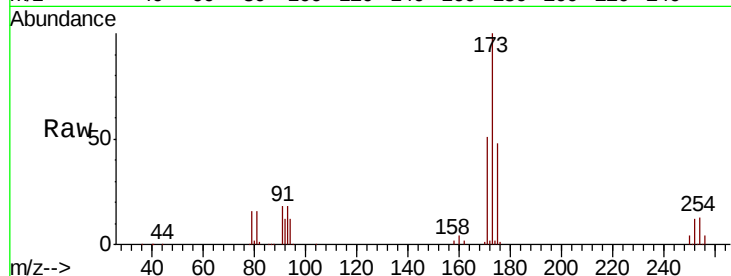
Tot Ion:173 Resp: 48602

Ion Ratio Lower Upper

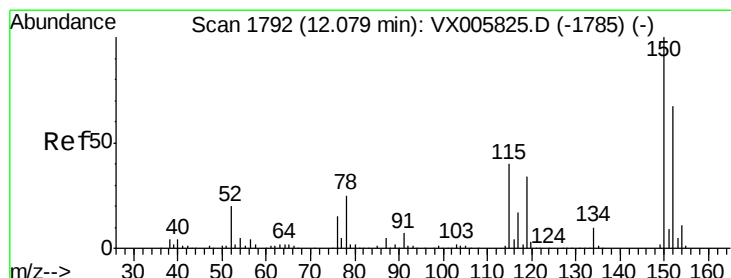
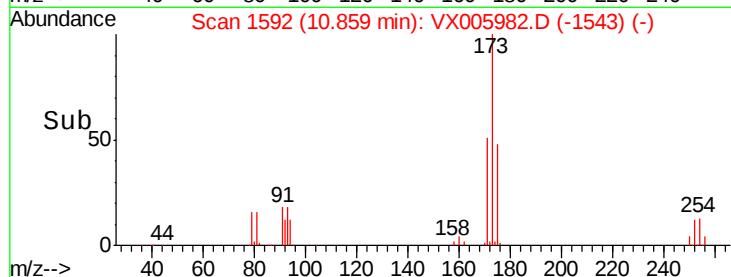
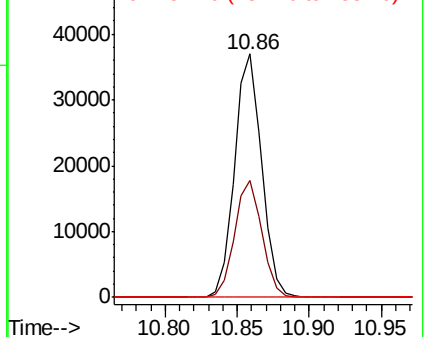
173 100

175 48.2 24.8 74.3

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: VX005982.D

Acq: 14 Nov 2018 18:48

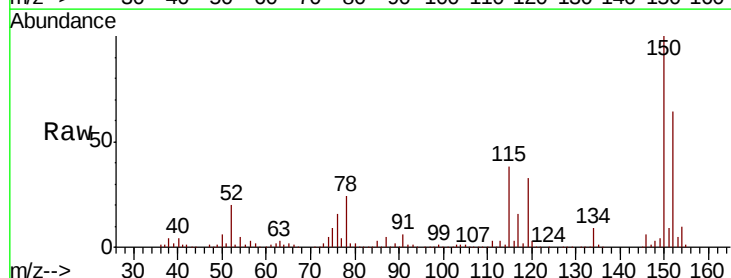
Tgt Ion:152 Resp: 82041

Ion Ratio Lower Upper

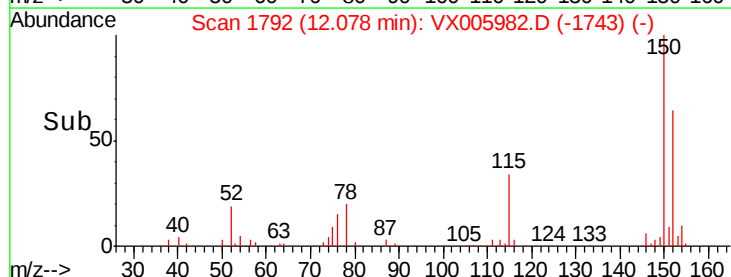
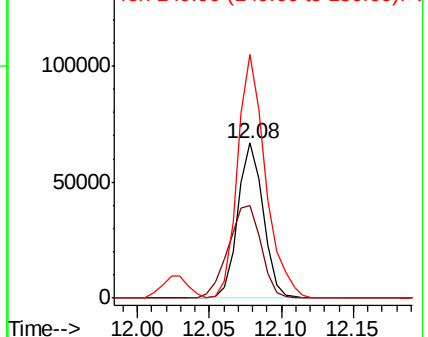
152 100

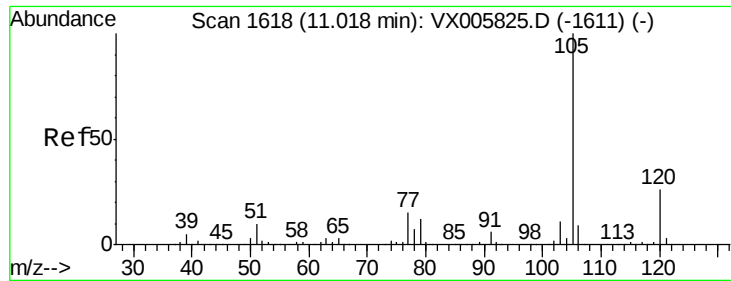
115 77.6 39.4 118.1

150 172.3 0.0 346.4



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





#73

Isopropylbenzene

Concen: 55.659 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

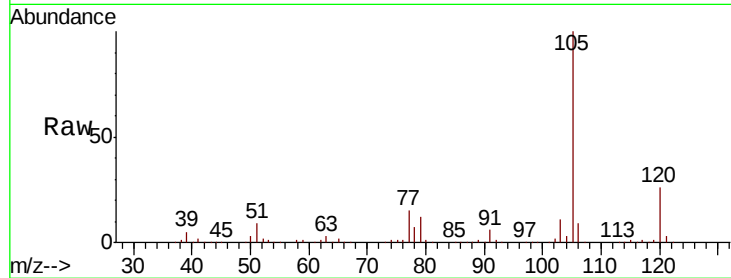
S36-0144MS

Tot Ion:105 Resp: 264064

Ion Ratio Lower Upper

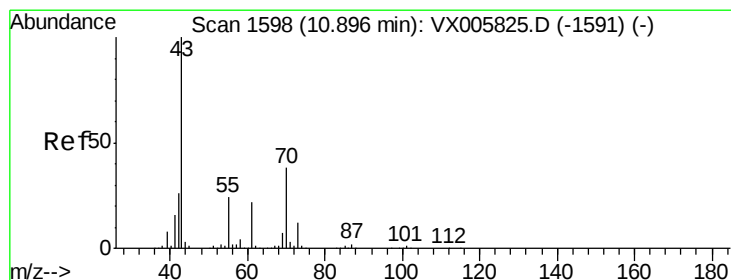
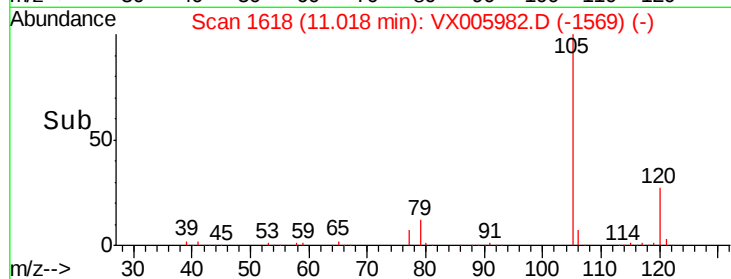
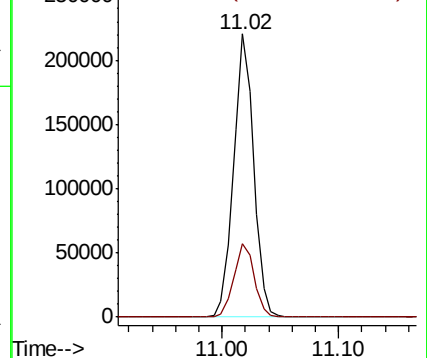
105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.532 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Tgt Ion: 43 Resp: 115441

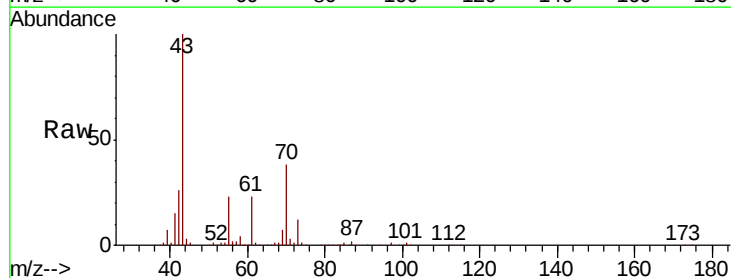
Ion Ratio Lower Upper

43 100

70 39.8 31.6 47.4

55 24.0 19.7 29.5

61 23.2 18.3 27.5

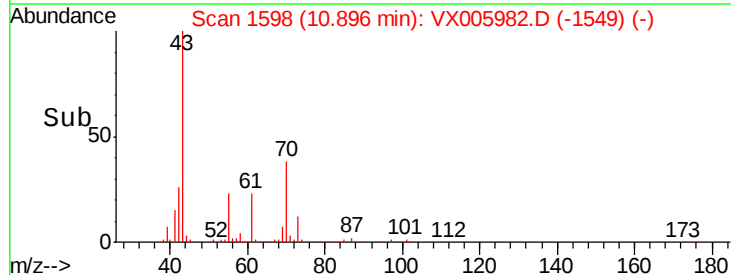
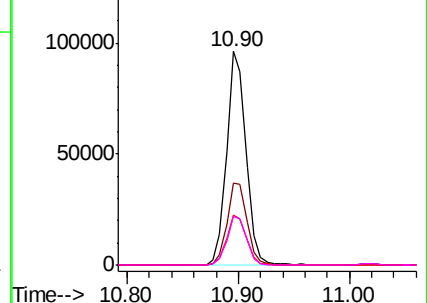


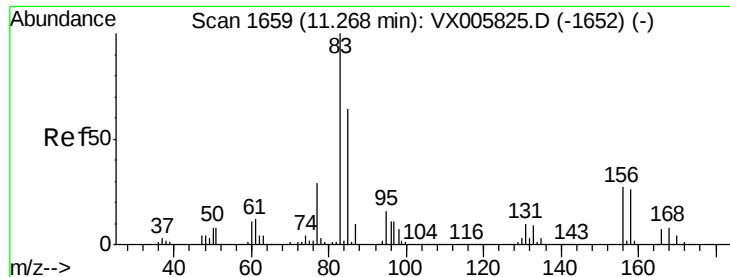
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.064 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

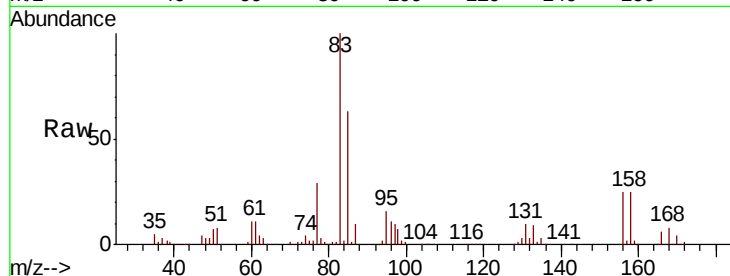
Tot Ion: 83 Resp: 95888

Ion Ratio Lower Upper

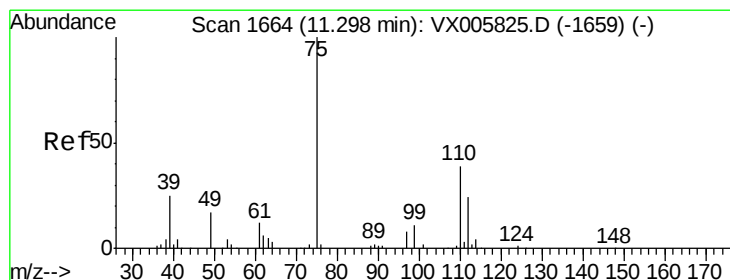
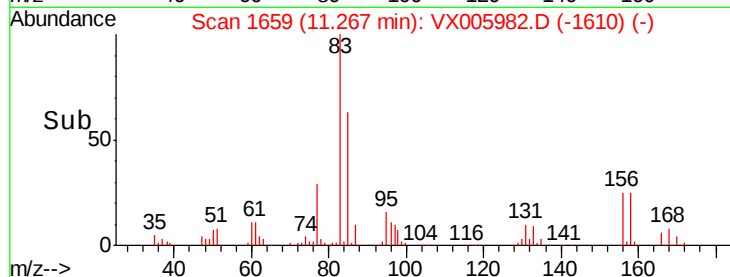
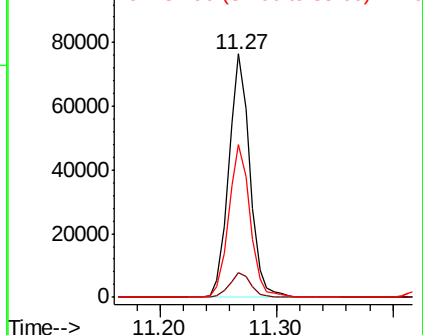
83 100

131 10.3 5.3 15.9

85 63.7 32.0 96.2



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 63.214 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005982.D

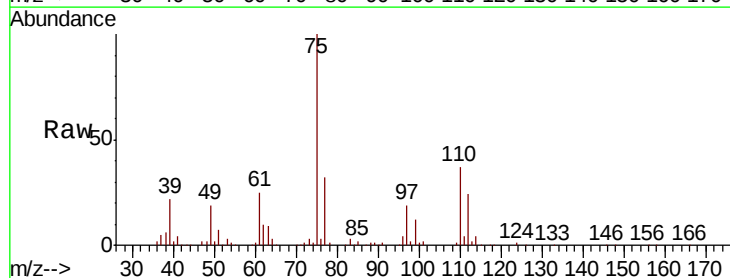
Acq: 14 Nov 2018 18:48

Tgt Ion: 75 Resp: 105601

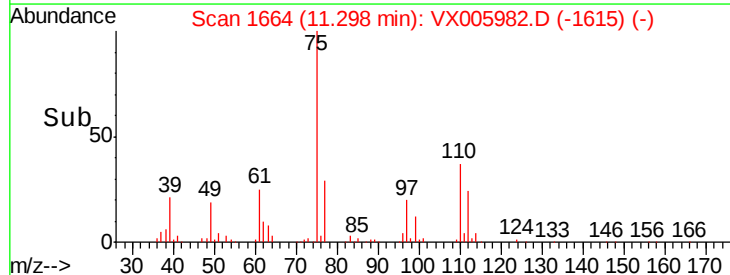
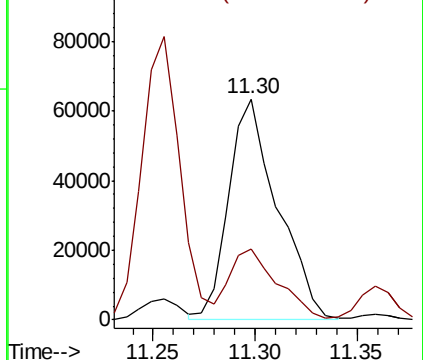
Ion Ratio Lower Upper

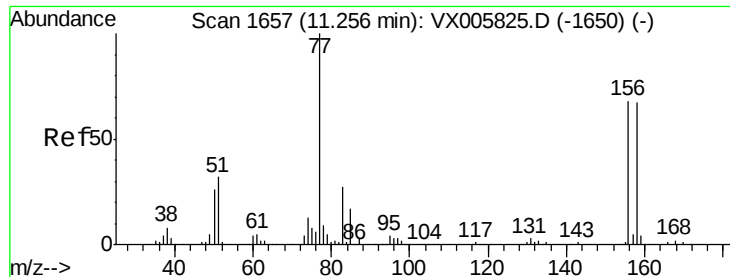
75 100

77 31.4 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 52.314 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

S36-0144MS

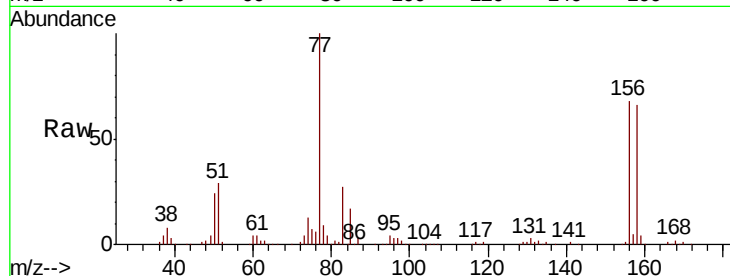
Tot Ion:156 Resp: 69956

Ion Ratio Lower Upper

156 100

77 151.2 74.8 224.4

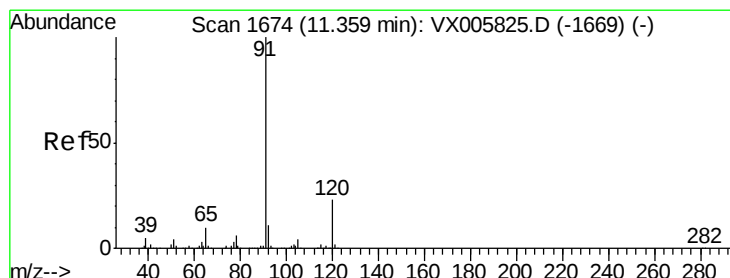
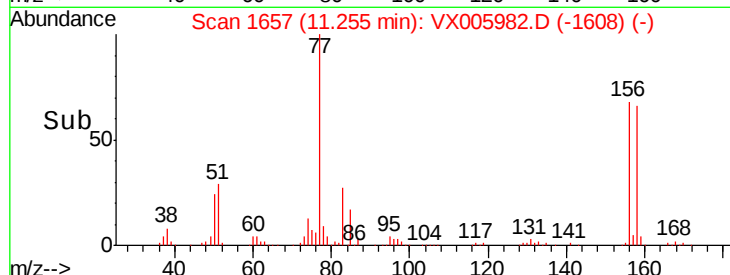
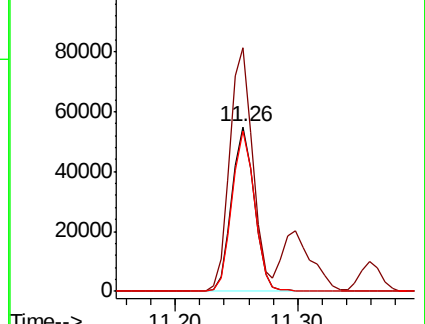
158 97.5 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.201 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005982.D

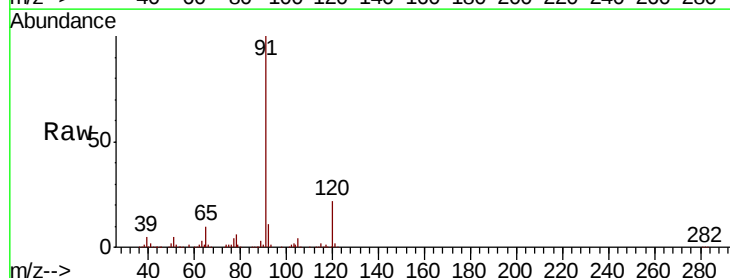
Acq: 14 Nov 2018 18:48

Tgt Ion: 91 Resp: 303059

Ion Ratio Lower Upper

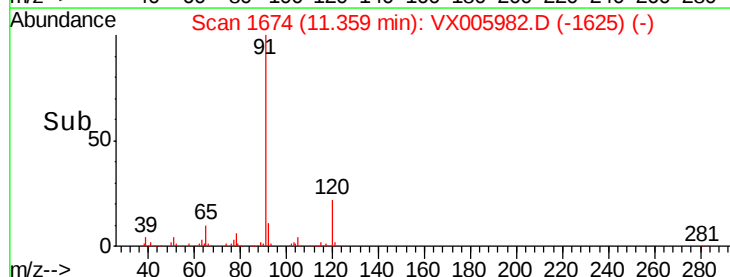
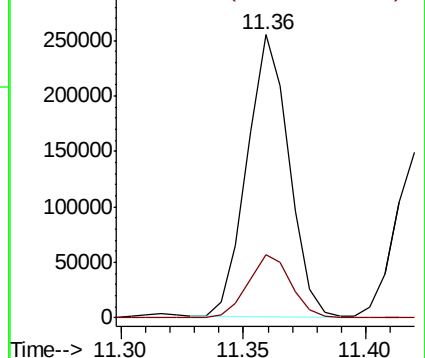
91 100

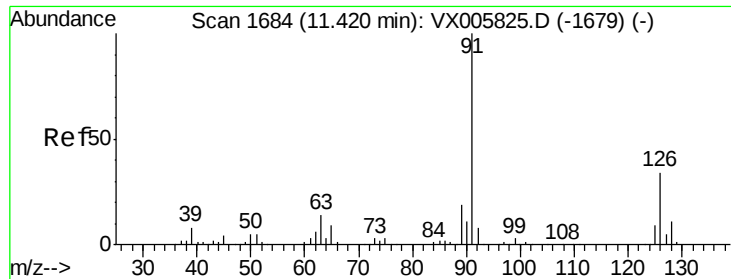
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

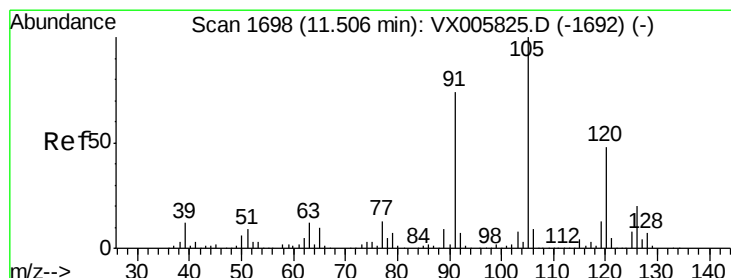
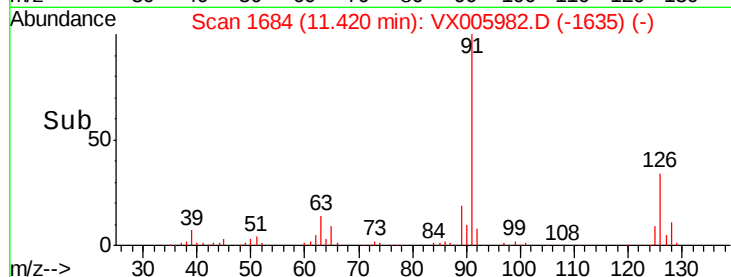
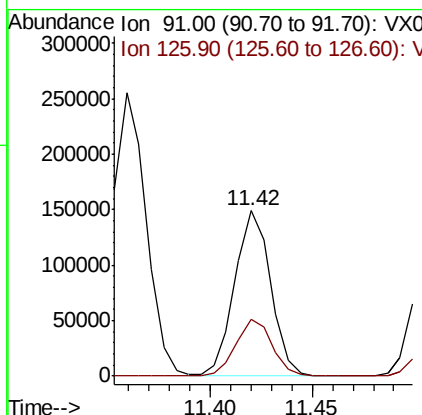
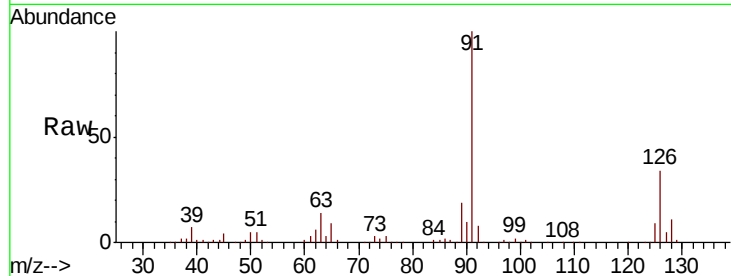




#79
 2-Chlorotoluene
 Concen: 53.614 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

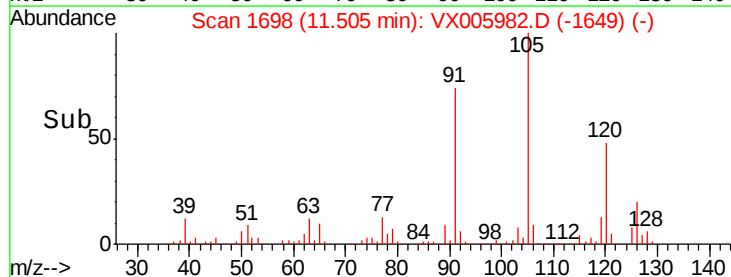
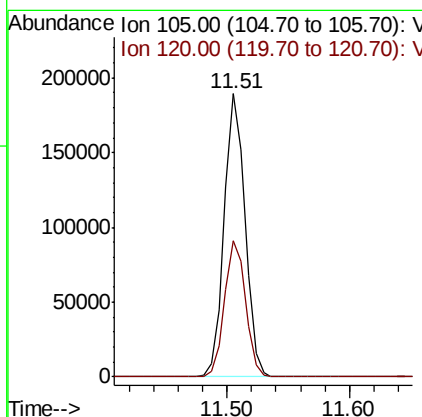
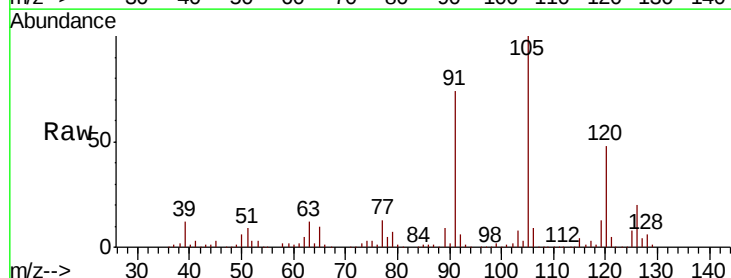
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MS

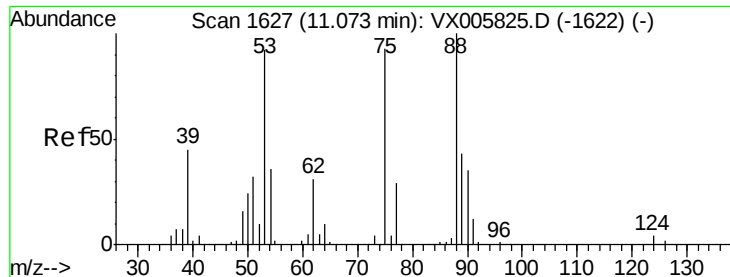
Tot Ion: 91 Resp: 181194
 Ion Ratio Lower Upper
 91 100
 126 34.8 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 55.523 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Tgt Ion: 105 Resp: 223853
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.1 72.2

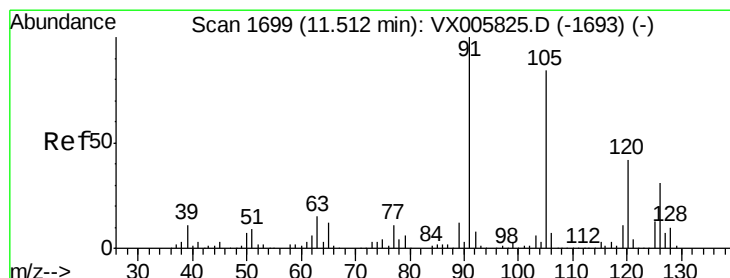
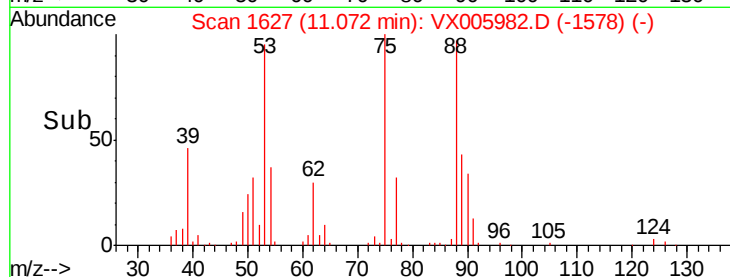
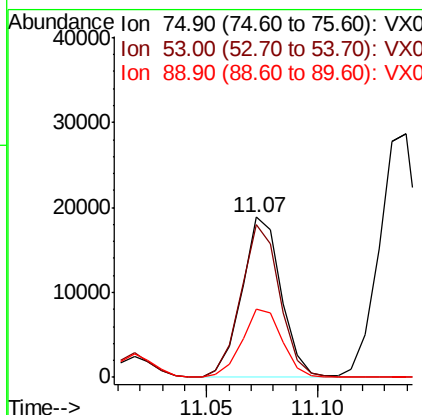
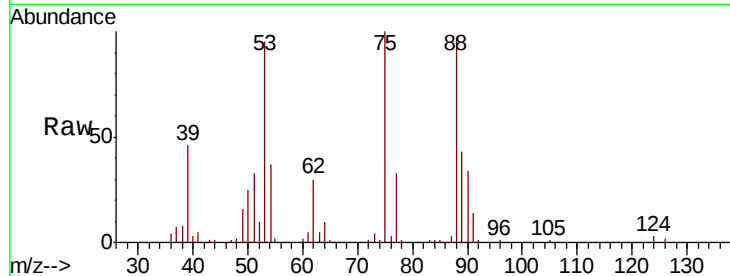




#81
trans-1,4-Dichloro-2-butene
Concen: 44.461 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

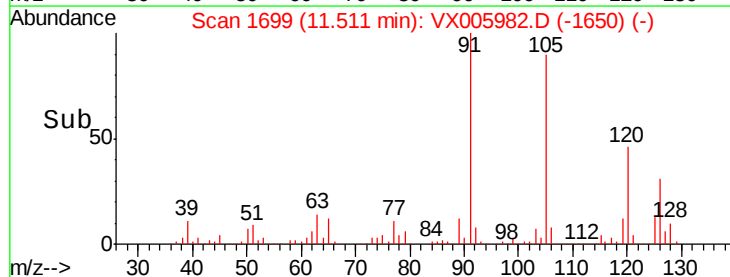
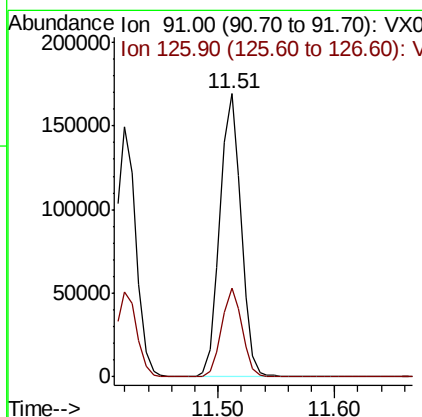
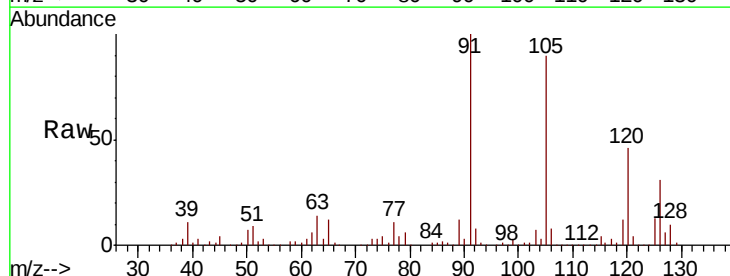
Instrument :
MSVOA_X
ClientSampleId :
S36-0144MS

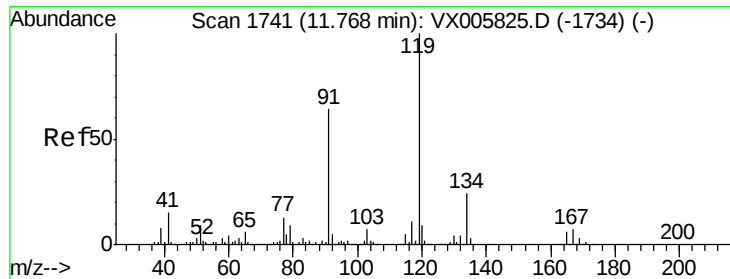
Tot Ion: 75 Resp: 23304
Ion Ratio Lower Upper
75 100
53 93.9 80.2 120.2
89 43.5 39.8 59.8



#82
4-Chlorotoluene
Concen: 53.281 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion: 91 Resp: 212218
Ion Ratio Lower Upper
91 100
126 30.5 15.2 45.6

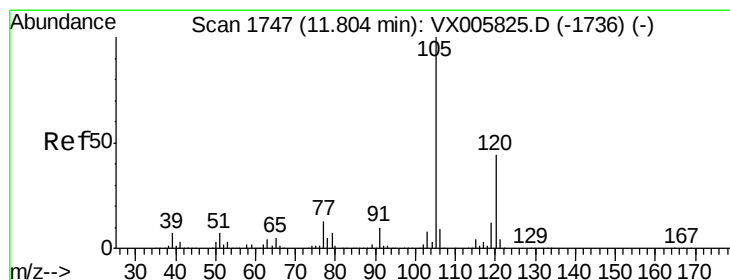
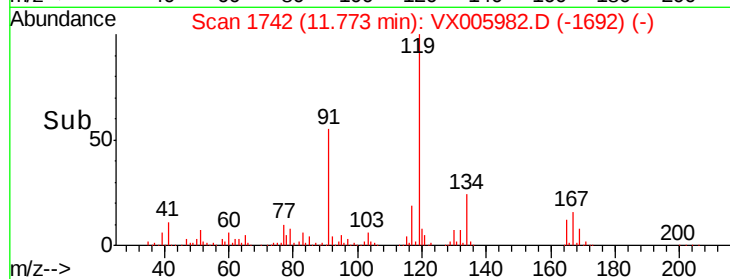
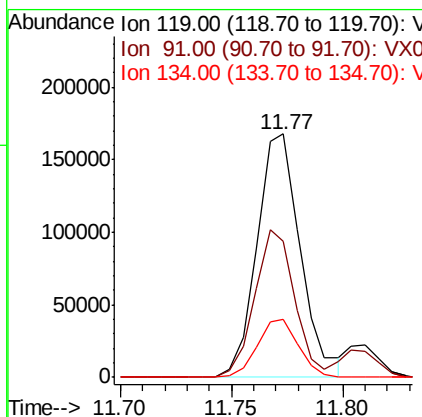
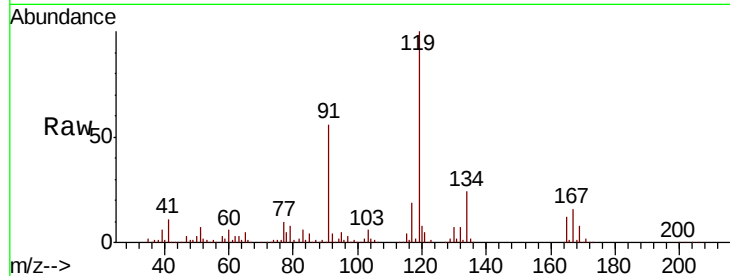




#83
tert-Butylbenzene
Concen: 55.803 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

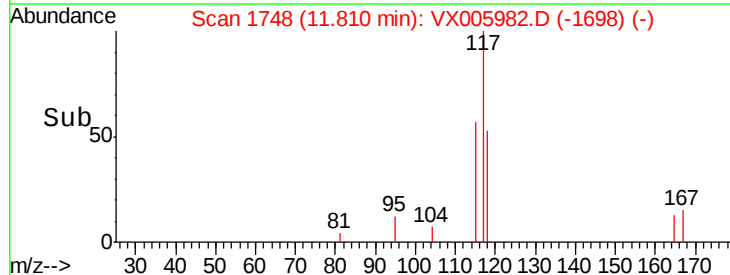
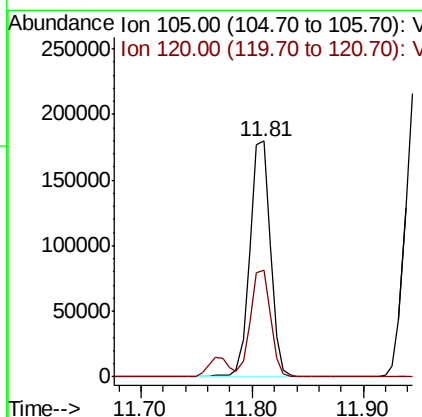
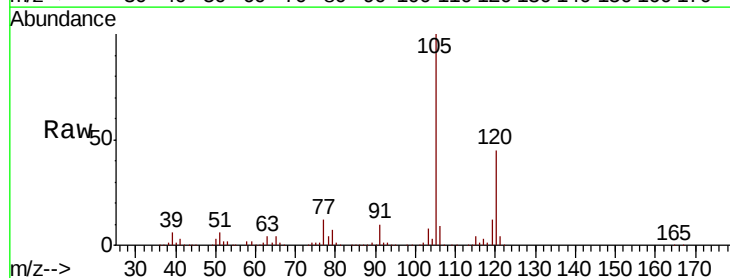
Instrument :
MSVOA_X
ClientSampled :
S36-0144MS

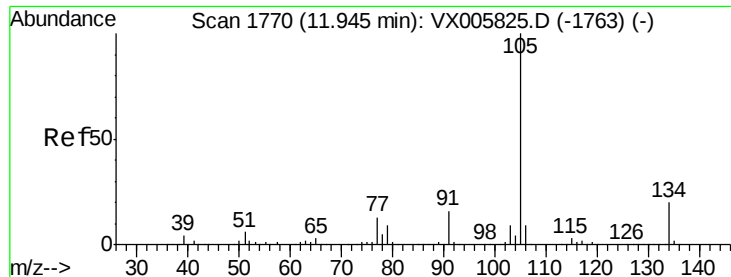
Tot Ion:119 Resp: 227607
Ion Ratio Lower Upper
119 100
91 55.9 28.5 85.5
134 22.5 11.3 33.8



#84
1,2,4-Trimethylbenzene
Concen: 51.651 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion:105 Resp: 229795
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.0





#85

sec-Butylbenzene

Concen: 53.375 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampleId :

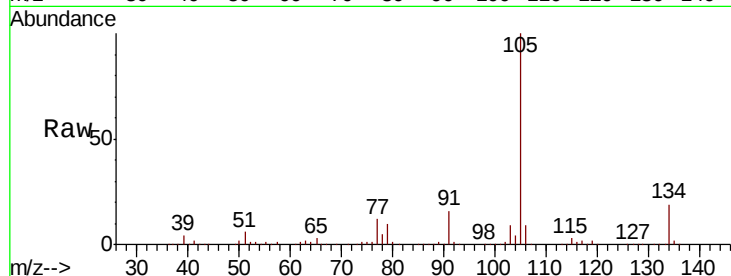
S36-0144MS

Tot Ion:105 Resp: 266218

Ion Ratio Lower Upper

105 100

134 20.1 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

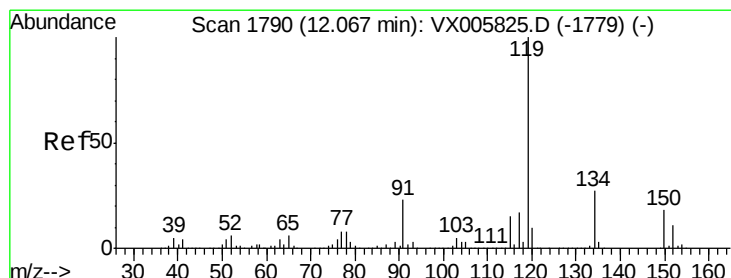
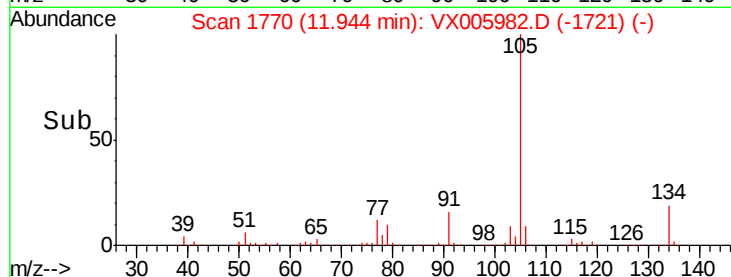
100000

50000

0

11.90 11.95 12.00

Time-->



#86

p-Isopropyltoluene

Concen: 53.263 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

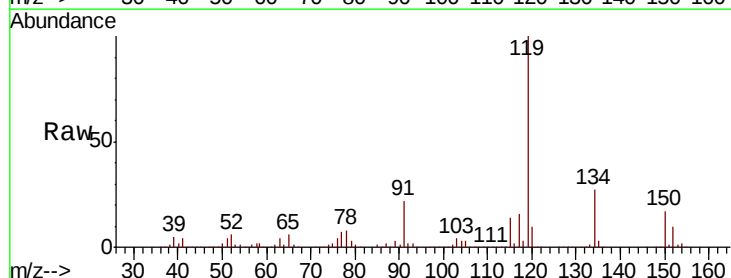
Tgt Ion:119 Resp: 235316

Ion Ratio Lower Upper

119 100

134 26.3 13.0 39.0

91 23.1 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

150000

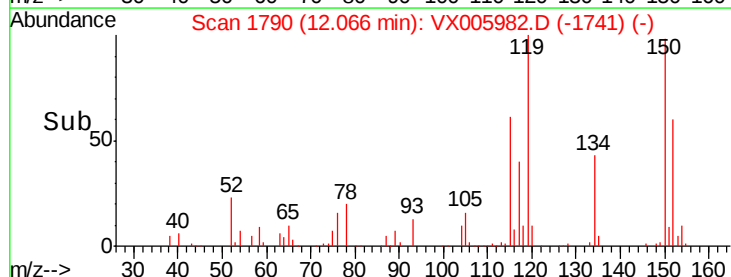
100000

50000

0

12.00 12.10

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.661 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampled :

S36-0144MS

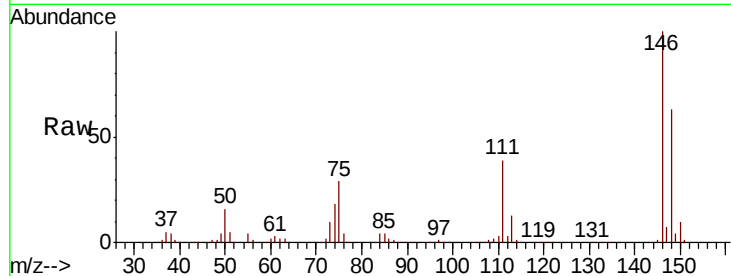
Tot Ion:146 Resp: 127447

Ion Ratio Lower Upper

146 100

111 38.7 19.0 57.0

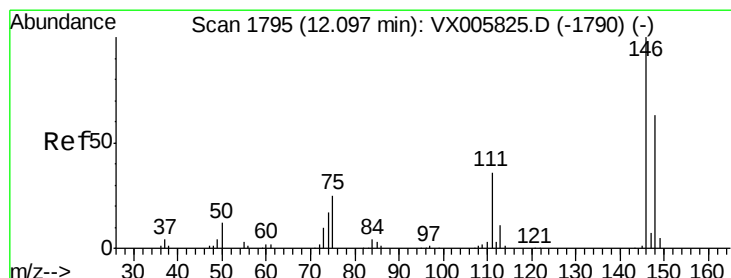
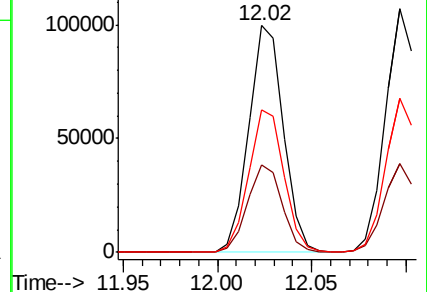
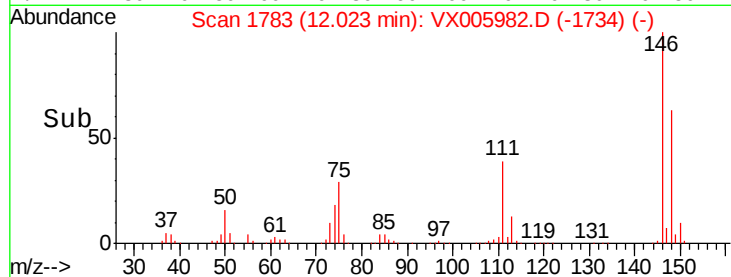
148 63.8 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 49.627 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

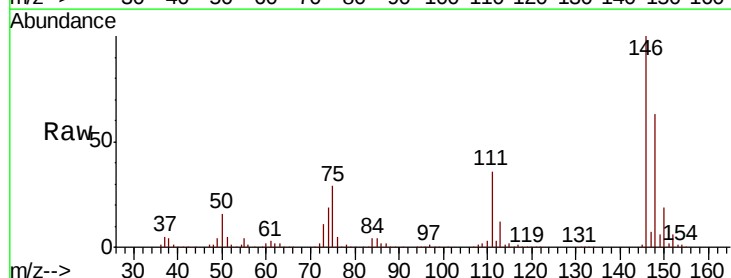
Tgt Ion:146 Resp: 130378

Ion Ratio Lower Upper

146 100

111 36.8 18.6 55.8

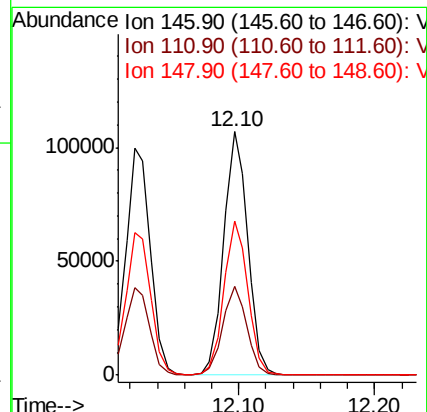
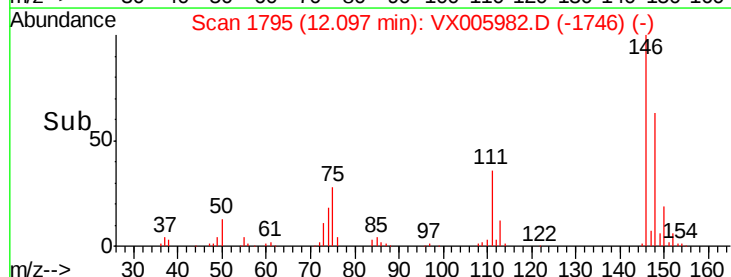
148 63.4 32.1 96.3

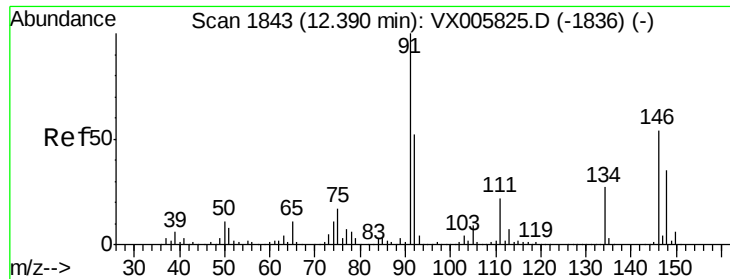


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 49.583 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005982.D

Acq: 14 Nov 2018 18:48

Instrument :

MSVOA_X

ClientSampled :

S36-0144MS

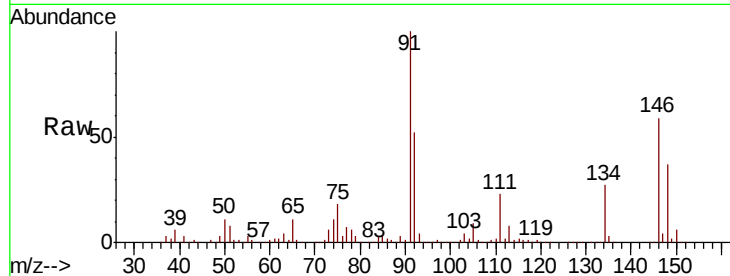
Tot Ion: 91 Resp: 203024

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.2

134 26.2 13.1 39.3

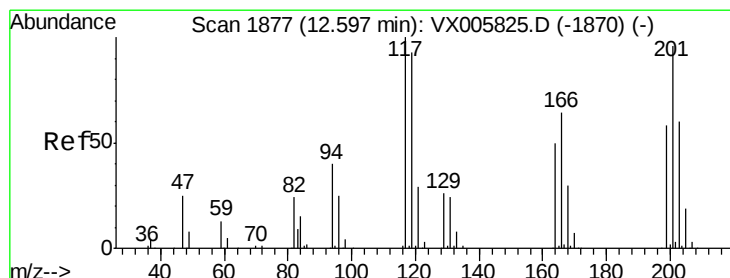
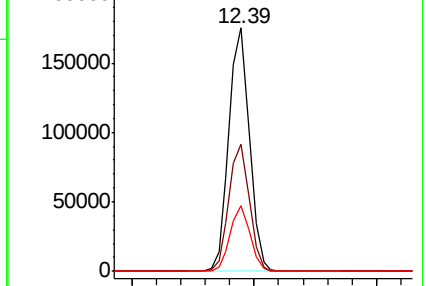
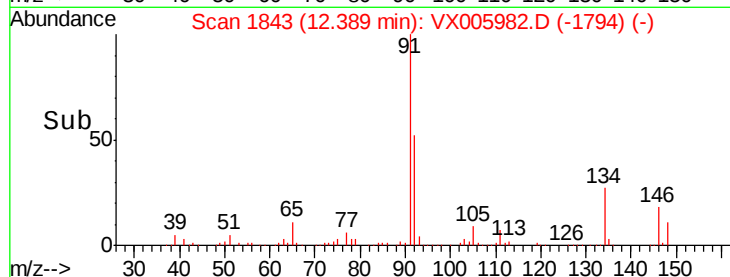


Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1836) (-)

Ion 92.00 (91.70 to 92.70): VX005825.D (-1836) (-)

Ion 134.00 (133.70 to 134.70): VX005825.D (-1836) (-)

Time--> 12.30 12.40 12.50



#90

Hexachloroethane

Concen: 54.729 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX005982.D

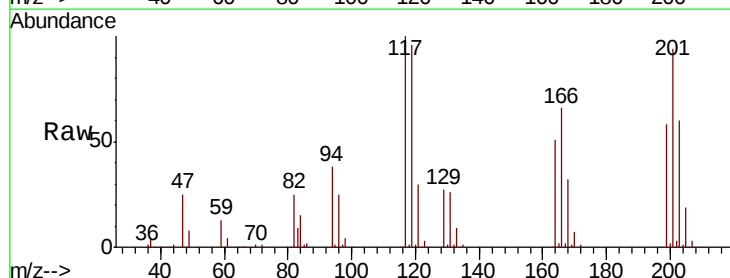
Acq: 14 Nov 2018 18:48

Tgt Ion: 117 Resp: 40369

Ion Ratio Lower Upper

117 100

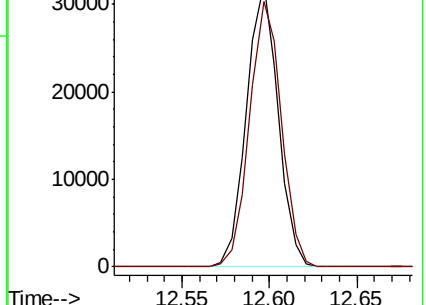
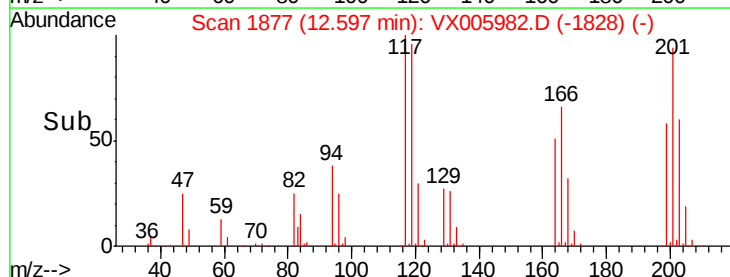
201 94.9 47.9 143.6

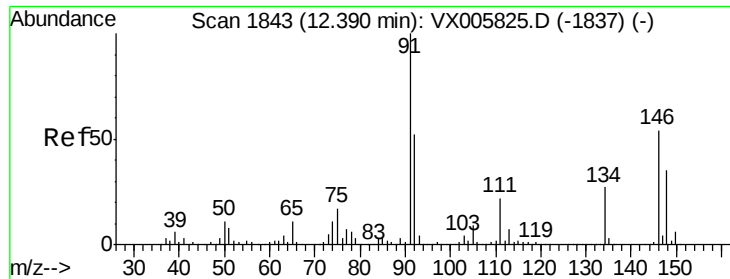


Abundance Ion 116.80 (116.50 to 117.50): VX005825.D (-1870) (-)

Ion 200.70 (200.40 to 201.40): VX005825.D (-1870) (-)

Time--> 12.55 12.60 12.65

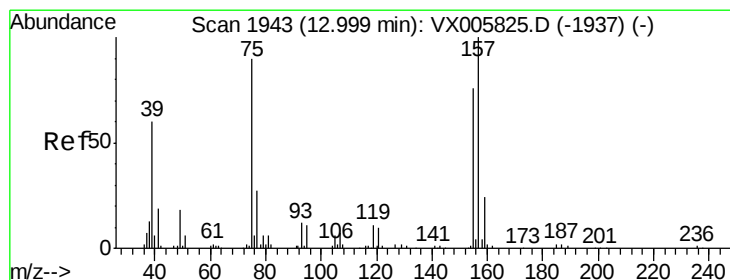
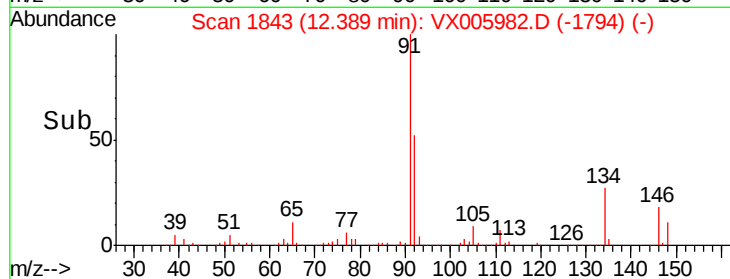
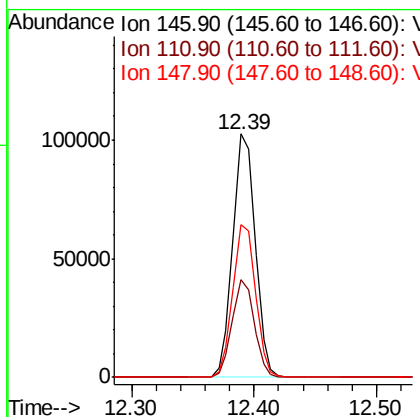
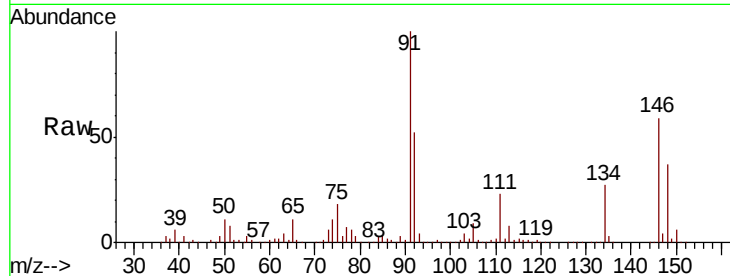




#91
 1,2-Dichlorobenzene
 Concen: 50.617 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

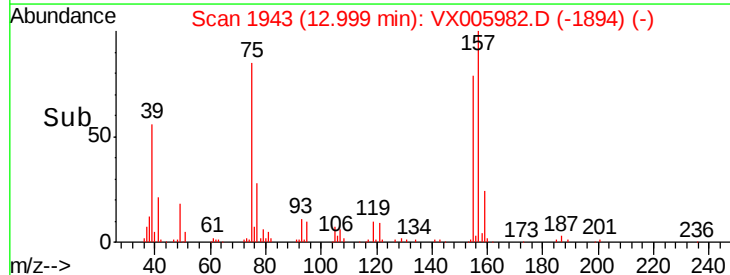
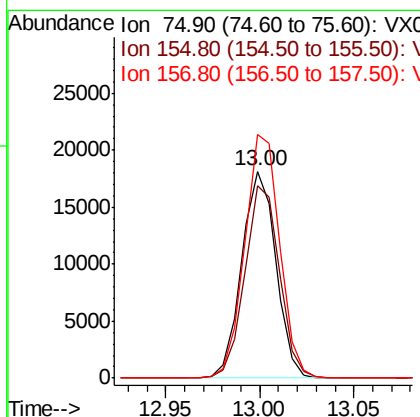
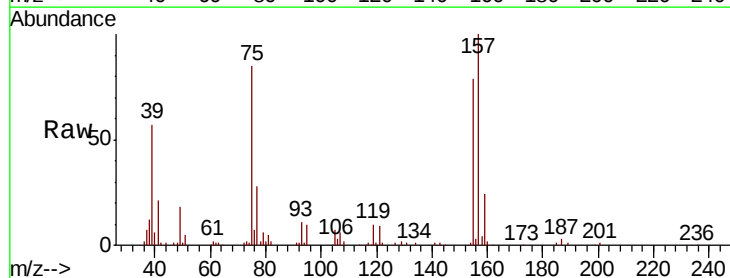
Instrument :
 MSVOA_X
 ClientSampled :
 S36-0144MS

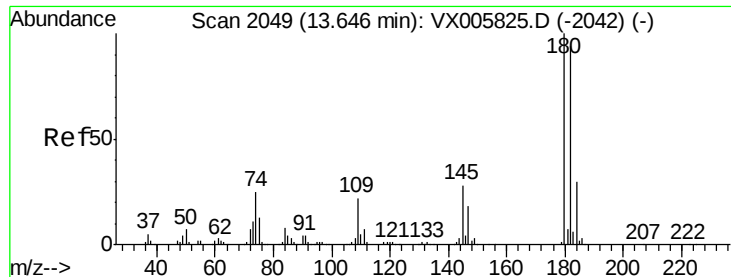
Tot Ion:146 Resp: 130131
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 59.9
 148 63.5 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.650 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Tgt Ion: 75 Resp: 22798
 Ion Ratio Lower Upper
 75 100
 155 94.4 45.4 136.1
 157 120.5 57.4 172.0

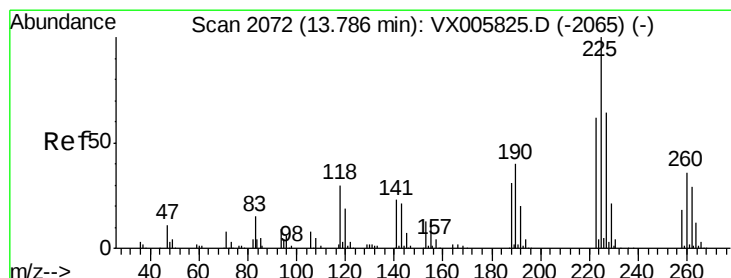
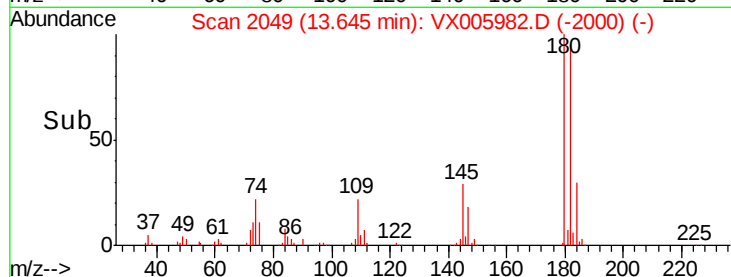
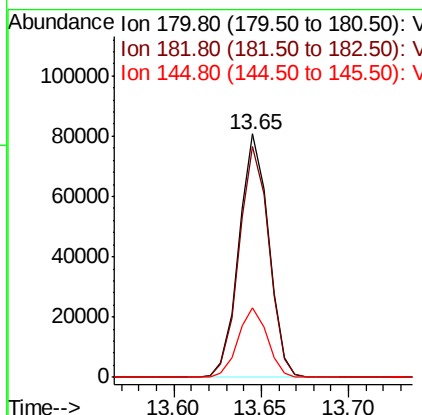
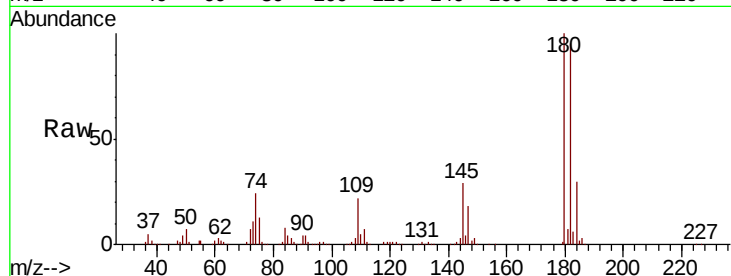




#93
 1,2,4-Trichlorobenzene
 Concen: 52.862 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

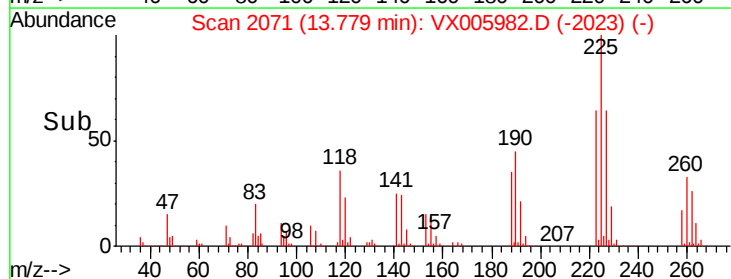
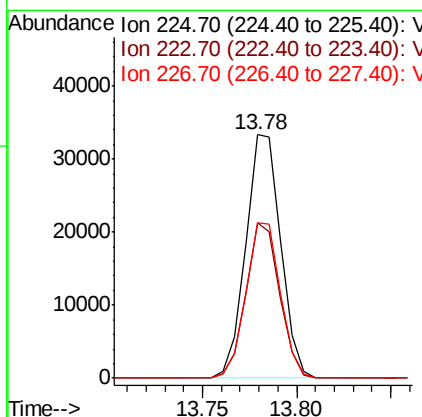
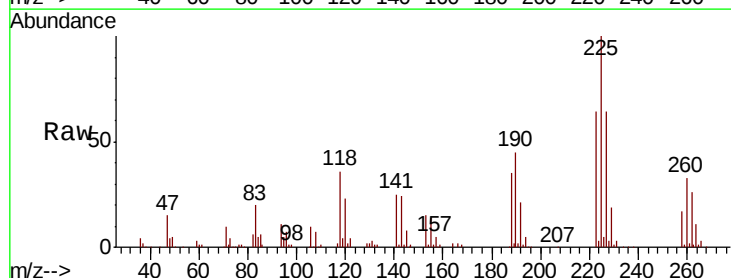
Instrument :
 MSVOA_X
 ClientSampleId :
 S36-0144MS

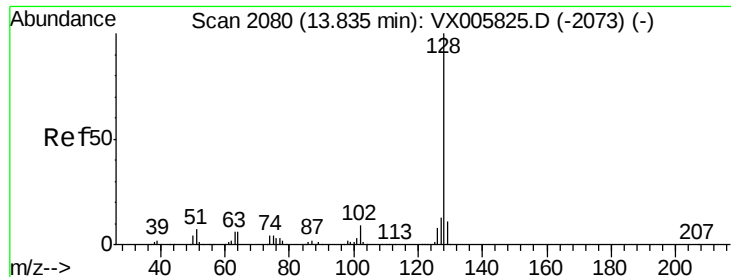
Tot Ion:180 Resp: 95673
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.6 142.8
 145 28.0 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 45.033 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005982.D
 Acq: 14 Nov 2018 18:48

Tgt Ion:225 Resp: 42813
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.7 95.1
 227 63.0 32.3 96.9

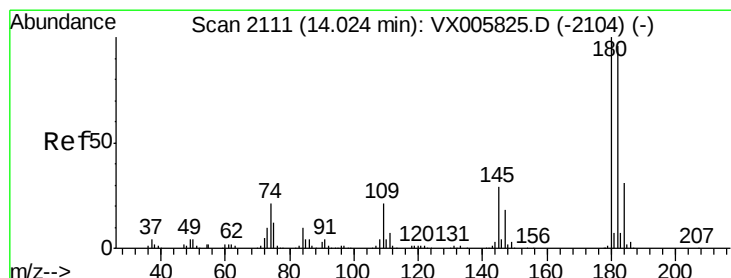
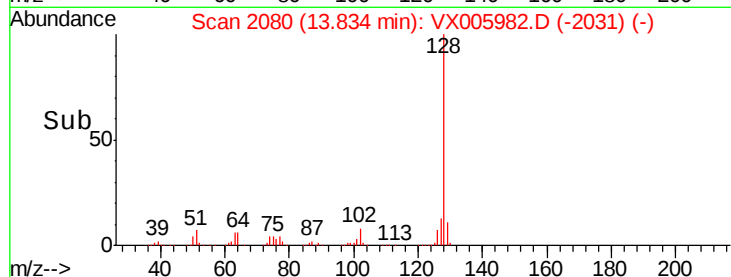
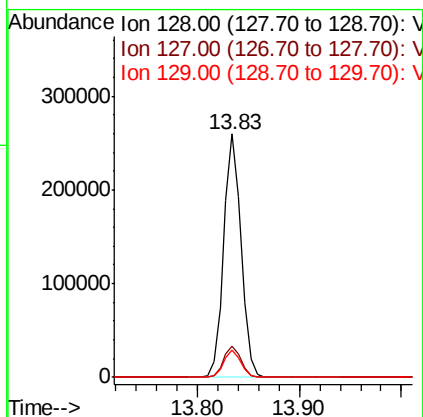
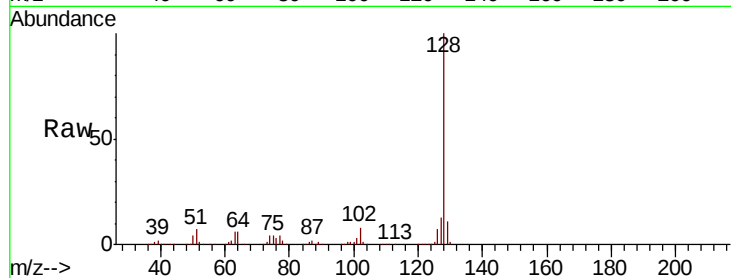




#95
Naphthalene
Concen: 51.993 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Instrument :
MSVOA_X
ClientSampleId :
S36-0144MS

Tot Ion:128 Resp: 307163
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 53.763 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005982.D
Acq: 14 Nov 2018 18:48

Tgt Ion:180 Resp: 99131
Ion Ratio Lower Upper
180 100
182 95.1 48.0 144.2
145 29.4 15.1 45.3

