

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111718\
 Data File : VX006068.D
 Acq On : 17 Nov 2018 15:06
 Operator : JC/MD
 Sample : VX1117WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Quant Time: Nov 19 00:15:08 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	5.67	168	114927	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	164636	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	130176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96384	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	70412	53.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.58%	
35) Dibromofluoromethane	5.51	113	55928	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	8.71	98	180037	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
62) 4-Bromofluorobenzene	11.13	95	65194	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.20	85	17985	17.357	ug/l	98
3) Chloromethane	1.33	50	24386	17.932	ug/l	97
4) Vinyl Chloride	1.41	62	25397	18.603	ug/l	98
5) Bromomethane	1.64	94	12846	15.376	ug/l	99
6) Chloroethane	1.73	64	15540	19.078	ug/l	94
7) Trichlorofluoromethane	1.93	101	33470	18.470	ug/l	98
8) Diethyl Ether	2.19	74	15241	21.464	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	19455	18.667	ug/l	99
10) Methyl Iodide	2.51	142	22016	17.430	ug/l	97
11) Tert butyl alcohol	3.06	59	37745	99.726	ug/l	98
12) 1,1-Dichloroethene	2.37	96	18787	18.494	ug/l	93
13) Acrolein	2.29	56	9858	69.601	ug/l	95
14) Allyl chloride	2.73	41	44184	19.475	ug/l	98
15) Acrylonitrile	3.15	53	83377	106.298	ug/l	98
16) Acetone	2.44	43	74494	104.717	ug/l	97
17) Carbon Disulfide	2.57	76	48456	15.992	ug/l	100
18) Methyl Acetate	2.78	43	42592	21.496	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	72105	20.797	ug/l	97
20) Methylene Chloride	2.86	84	23002	19.684	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	20468	19.103	ug/l	90
22) Diisopropyl ether	3.87	45	81729	20.564	ug/l	95
23) Vinyl Acetate	3.82	43	349299	102.504	ug/l	99
24) 1,1-Dichloroethane	3.70	63	42194	19.899	ug/l	100
25) 2-Butanone	4.70	43	113201	101.216	ug/l	96
26) 2,2-Dichloropropane	4.59	77	30261	19.455	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	23386	19.767	ug/l	99
28) Bromochloromethane	5.01	49	20836	21.987	ug/l	94
29) Tetrahydrofuran	5.15	42	72339	100.736	ug/l	99
30) Chloroform	5.21	83	41649	20.359	ug/l	99
31) Cyclohexane	5.57	56	32035	17.405	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	34741	20.360	ug/l	99
36) 1,1-Dichloropropene	5.80	75	29226	18.414	ug/l	98
37) Ethyl Acetate	4.85	43	39456	18.905	ug/l	99
38) Carbon Tetrachloride	5.78	117	30007	18.885	ug/l	95

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 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Quant Time: Nov 19 00:15:08 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)
39) Methylcyclohexane	7.46	83	26757	16.634	ug/l	85
40) Benzene	6.14	78	92303	19.949	ug/l	97
41) Methacrylonitrile	5.06	41	21694	19.236	ug/l	97
42) 1,2-Dichloroethane	6.20	62	33096	19.971	ug/l	99
43) Isopropyl Acetate	6.46	43	49714	16.438	ug/l	97
44) Trichloroethene	7.21	130	23048	19.615	ug/l	84
45) 1,2-Dichloropropane	7.51	63	23593	21.009	ug/l	89
46) Dibromomethane	7.66	93	13550	19.228	ug/l	99
47) Bromodichloromethane	7.90	83	25488	19.138	ug/l	98
48) Methyl methacrylate	7.77	41	25023	18.427	ug/l	99
49) 1,4-Dioxane	7.75	88	11148	380.975	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	176279	92.486	ug/l	98
52) Toluene	8.79	92	46387	17.939	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	27387	17.426	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	30191	18.847	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	22561	19.576	ug/l	83
56) Ethyl methacrylate	9.18	69	29063	16.854	ug/l	99
57) 1,3-Dichloropropane	9.37	76	33843	17.474	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	85042	95.788	ug/l	99
59) 2-Hexanone	9.49	43	138783	82.606	ug/l	100
60) Dibromochloromethane	9.59	129	21178	17.003	ug/l	100
61) 1,2-Dibromoethane	9.67	107	20922	16.418	ug/l	99
64) Tetrachloroethene	9.34	164	21074	19.014	ug/l	98
65) Chlorobenzene	10.14	112	53433	20.489	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	19930	21.982	ug/l	99
67) Ethyl Benzene	10.25	91	87582	20.944	ug/l	100
68) m/p-Xylenes	10.36	106	67411	42.262	ug/l	99
69) o-Xylene	10.70	106	31718	22.176	ug/l	98
70) Styrene	10.71	104	54243	22.989	ug/l	100
71) Bromoform	10.86	173	17424	22.926	ug/l #	98
73) Isopropylbenzene	11.02	105	89900	16.129	ug/l	100
74) N-amyl acetate	10.90	43	42382	14.464	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	32758	16.012	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	39135	19.941	ug/l	84
77) Bromobenzene	11.26	156	24471	15.576	ug/l	99
78) n-propylbenzene	11.36	91	103358	15.735	ug/l	99
79) 2-Chlorotoluene	11.42	91	63543	16.004	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	78493	16.572	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	9582	15.561	ug/l	96
82) 4-Chlorotoluene	11.51	91	77489	16.560	ug/l	99
83) tert-Butylbenzene	11.77	119	94160	19.650	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	100593	19.170	ug/l	99
85) sec-Butylbenzene	11.94	105	118469	20.217	ug/l	98
86) p-Isopropyltoluene	12.07	119	106492	20.517	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	58139	19.283	ug/l	97
88) 1,4-Dichlorobenzene	12.10	146	60511	19.605	ug/l	98
89) n-Butylbenzene	12.39	91	88997	18.501	ug/l	99
90) Hexachloroethane	12.60	117	16659	19.224	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	57516	19.043	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9555	19.139	ug/l	93

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Instrument :
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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)
93) 1,2,4-Trichlorobenzene	13.65	180	42957	20.203	ug/l	99
94) Hexachlorobutadiene	13.78	225	21030	18.829	ug/l	99
95) Naphthalene	13.83	128	131850	19.744	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44923	20.738	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

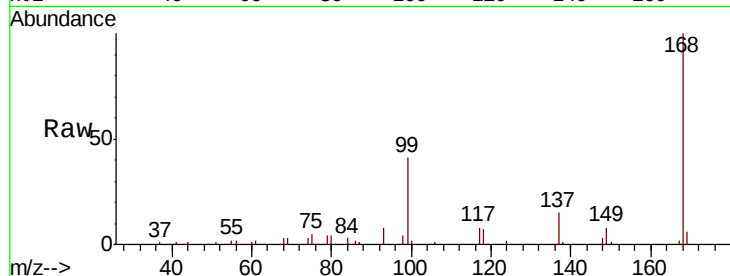
VX1117WBSD01

Tot Ion:168 Resp: 114927

Ion Ratio Lower Upper

168 100

99 40.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

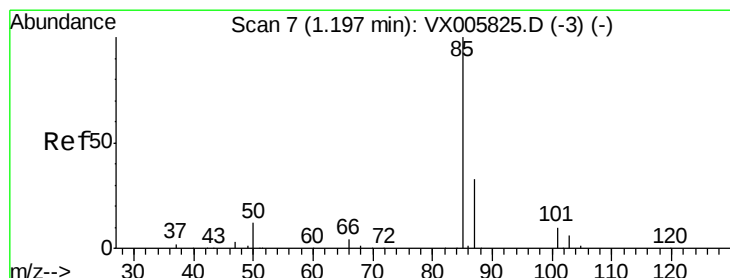
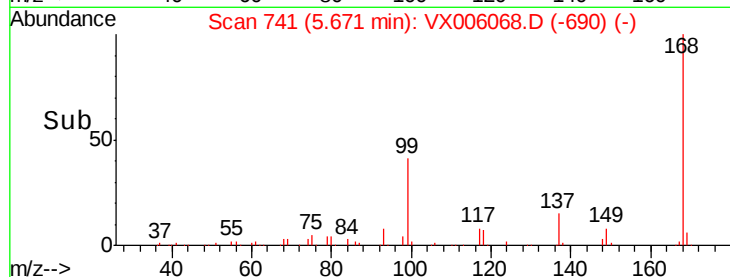
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#2

Dichlorodifluoromethane

Concen: 17.357 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006068.D

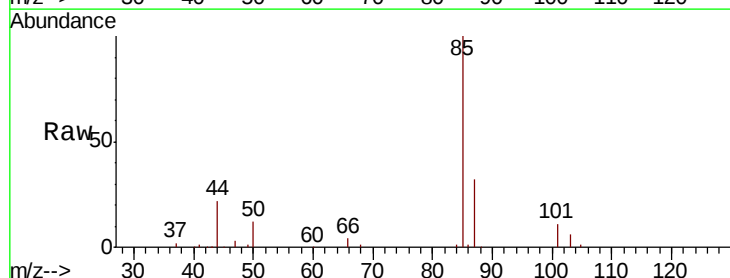
Acq: 17 Nov 2018 15:06

Tgt Ion: 85 Resp: 17985

Ion Ratio Lower Upper

85 100

87 31.5 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

20000

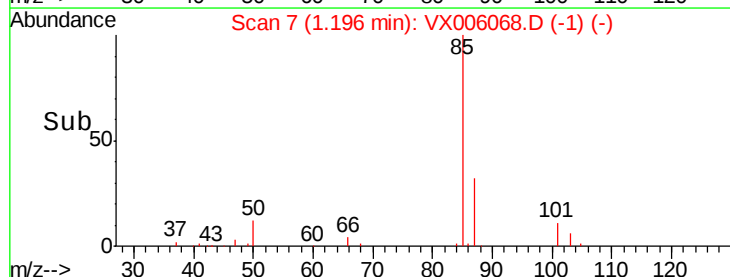
15000

10000

5000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 17.932 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

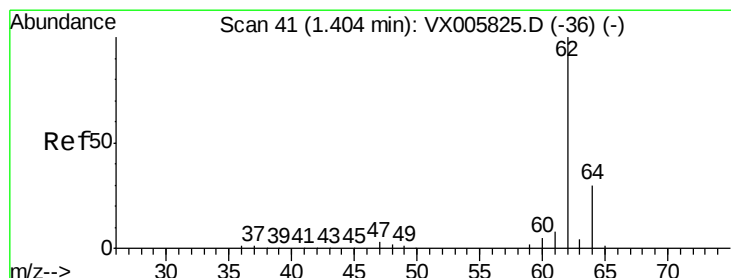
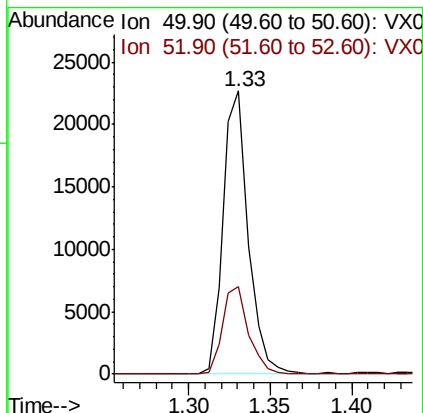
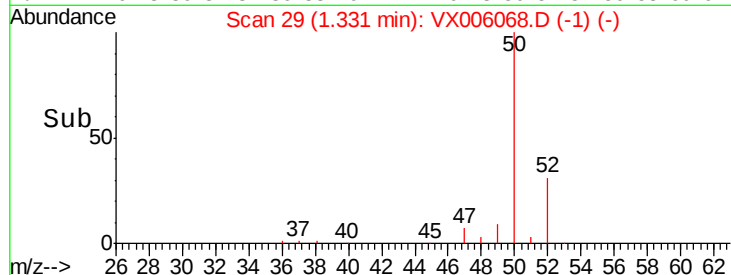
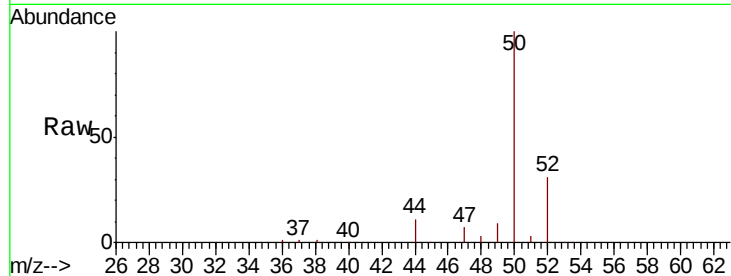
VX1117WBSD01

Tot Ion: 50 Resp: 24386

Ion Ratio Lower Upper

50 100

52 30.7 26.2 39.2



#4

Vinyl Chloride

Concen: 18.603 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006068.D

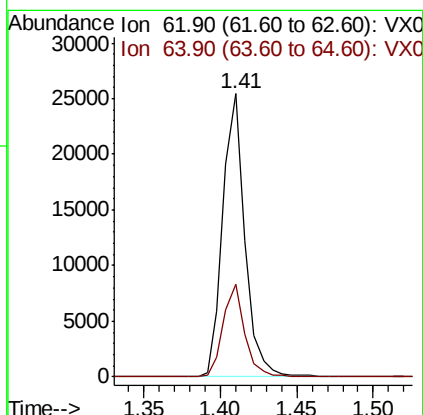
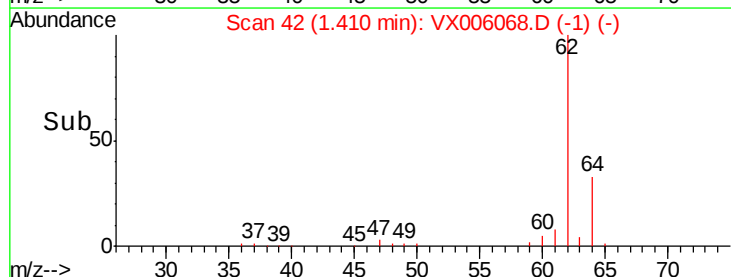
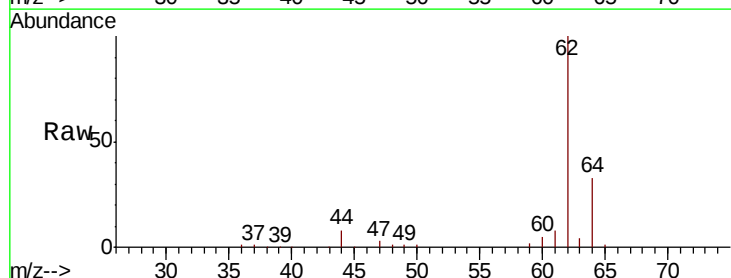
Acq: 17 Nov 2018 15:06

Tgt Ion: 62 Resp: 25397

Ion Ratio Lower Upper

62 100

64 32.6 25.3 37.9





#5

Bromomethane

Concen: 15.376 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

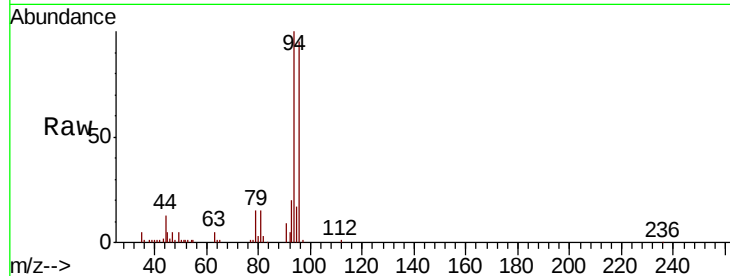
VX1117WBSD01

Tot Ion: 94 Resp: 12846

Ion Ratio Lower Upper

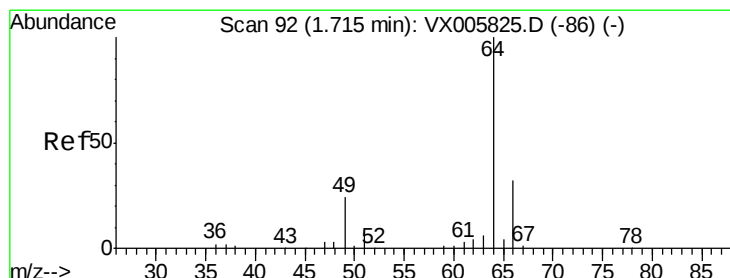
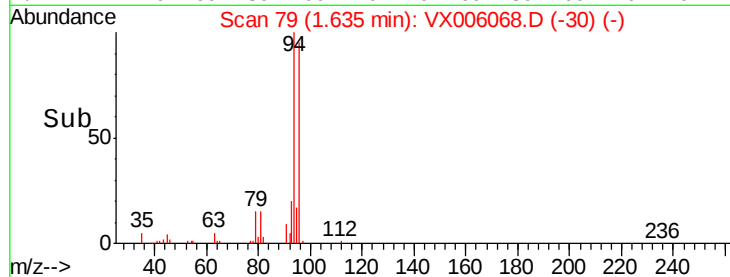
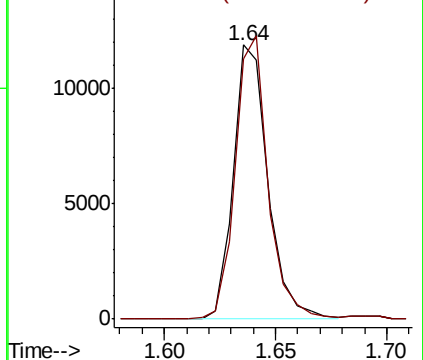
94 100

96 94.7 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: 19.078 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX006068.D

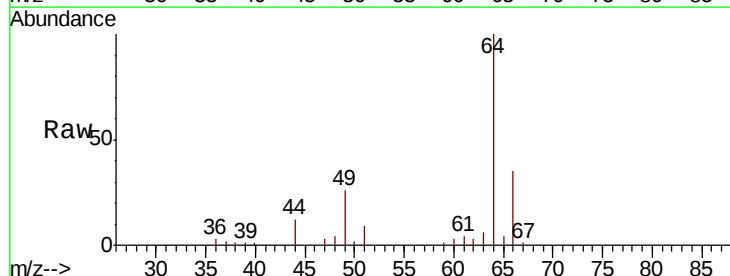
Acq: 17 Nov 2018 15:06

Tgt Ion: 64 Resp: 15540

Ion Ratio Lower Upper

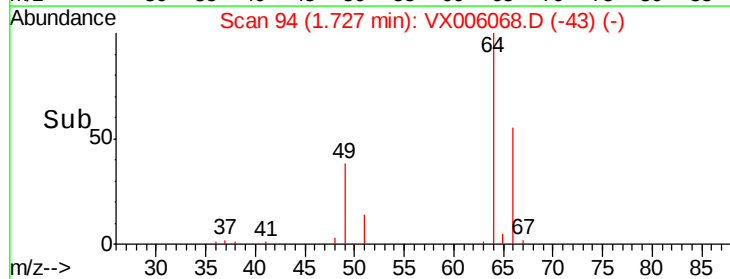
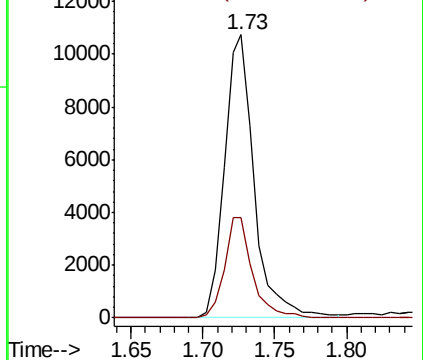
64 100

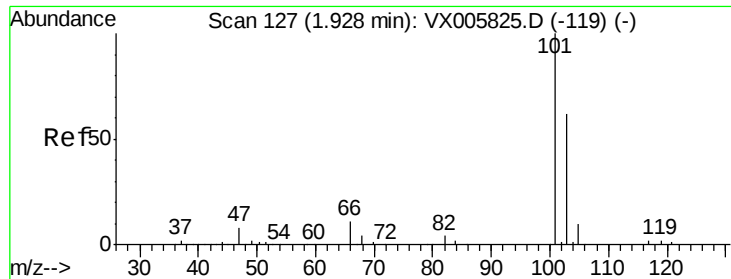
66 35.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



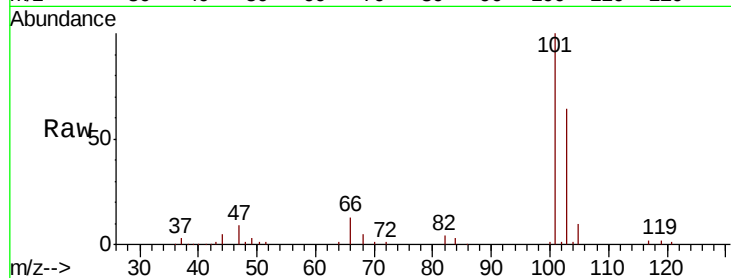


#7

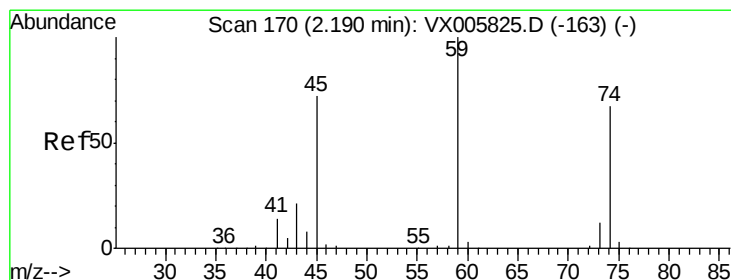
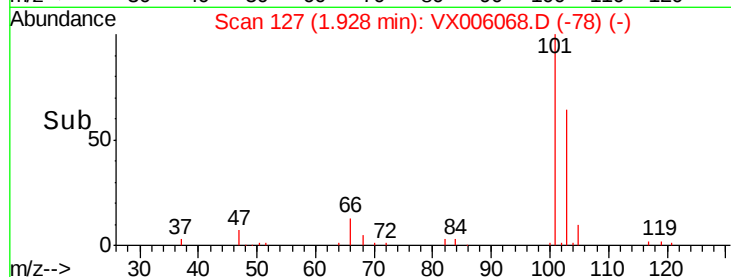
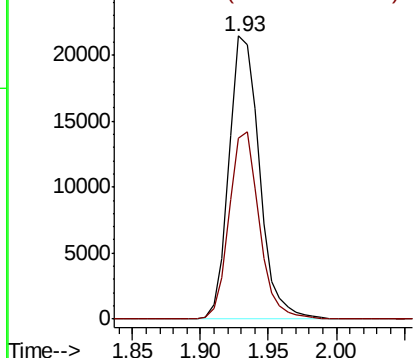
Trichlorofluoromethane
Concen: 18.470 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tot Ion:101 Resp: 33470
Ion Ratio Lower Upper
101 100
103 64.1 50.0 75.0



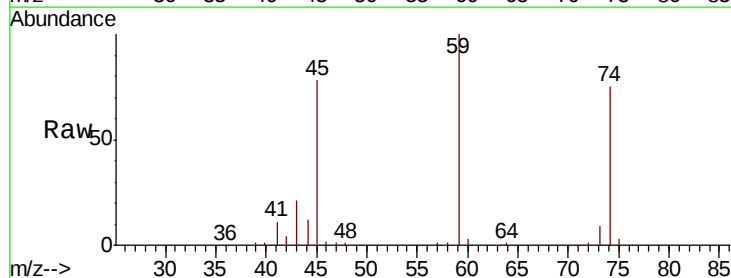
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



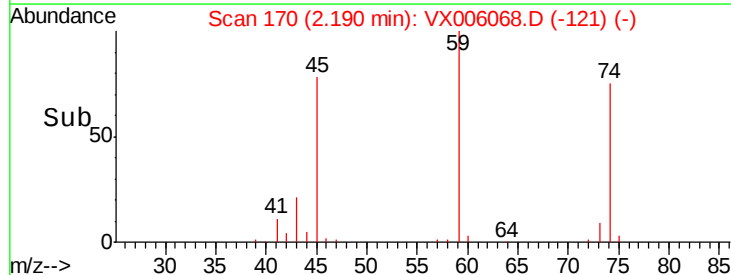
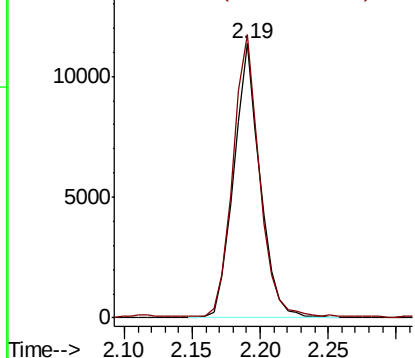
#8

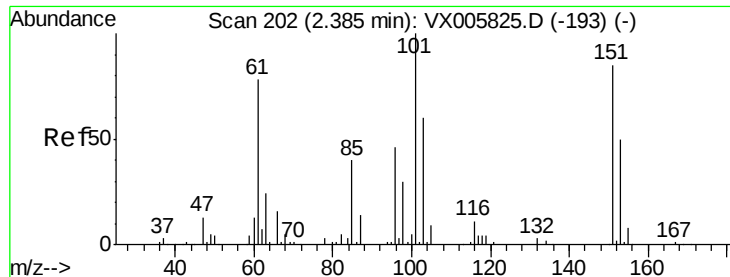
Diethyl Ether
Concen: 21.464 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 74 Resp: 15241
Ion Ratio Lower Upper
74 100
45 103.0 54.1 162.3



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.667 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

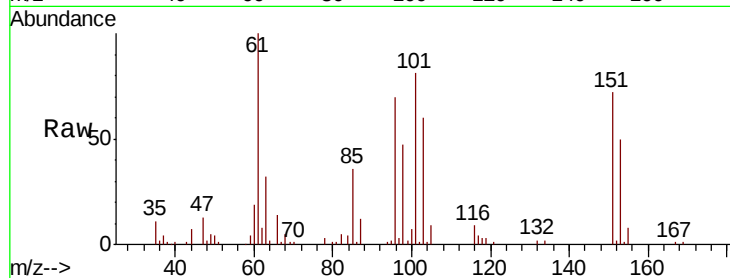
Tot Ion:101 Resp: 19455

Ion Ratio Lower Upper

101 100

85 44.3 35.0 52.4

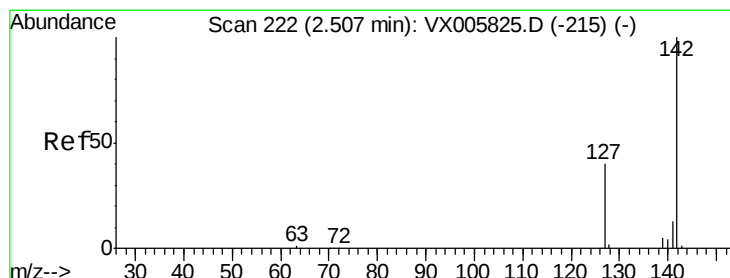
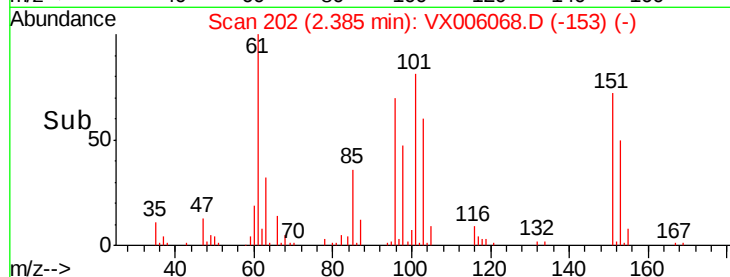
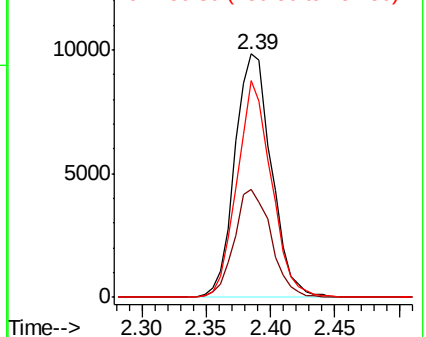
151 83.1 66.2 99.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.430 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

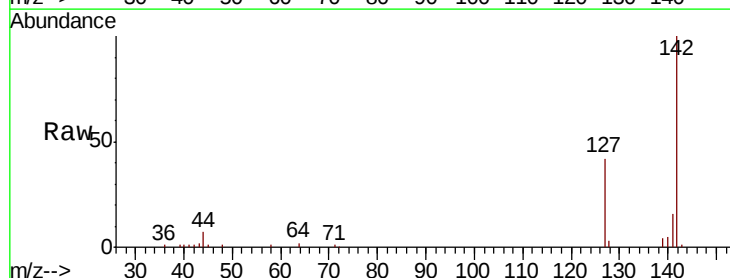
Tgt Ion:142 Resp: 22016

Ion Ratio Lower Upper

142 100

127 42.3 36.0 54.0

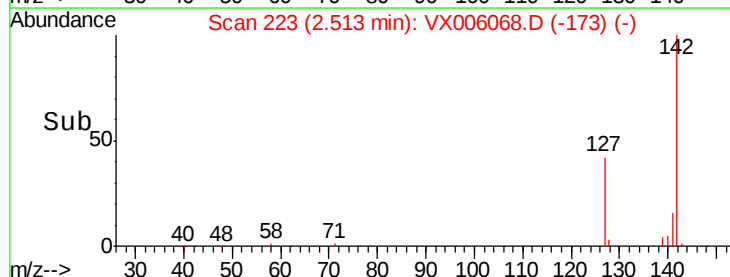
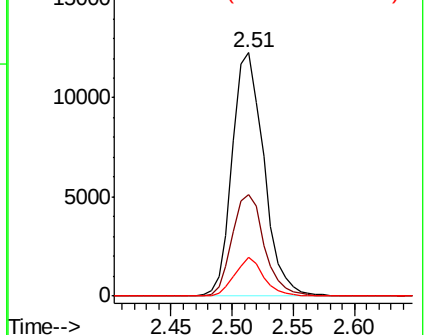
141 14.3 11.7 17.5

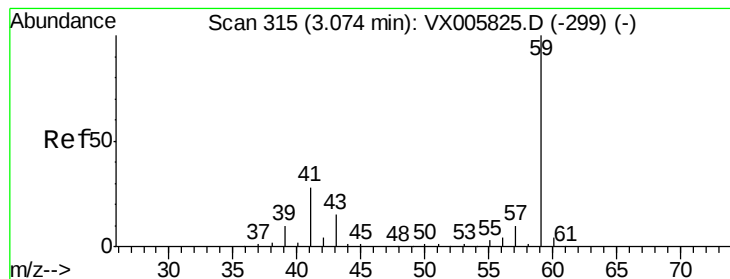


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.726 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

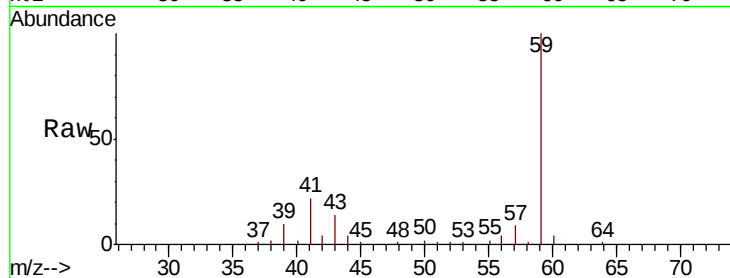
VX1117WBSD01

Tot Ion: 59 Resp: 37745

Ion Ratio Lower Upper

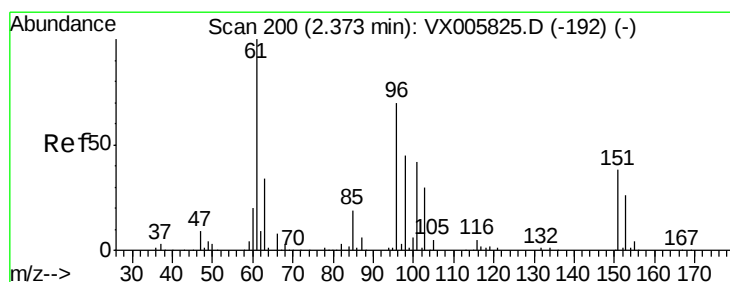
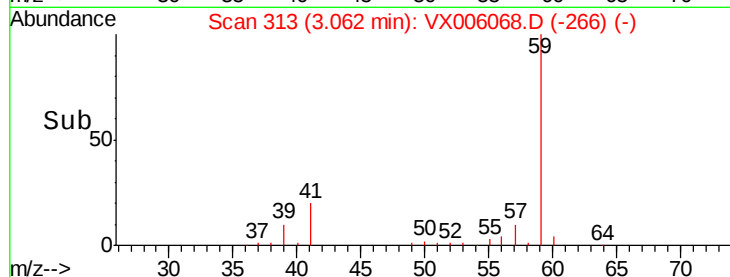
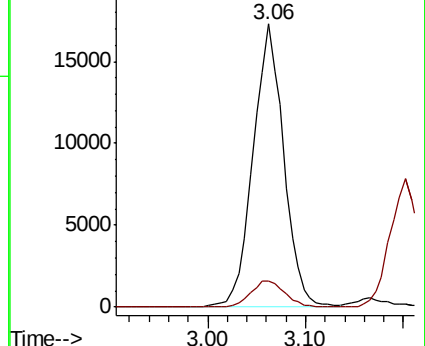
59 100

57 10.0 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: 18.494 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

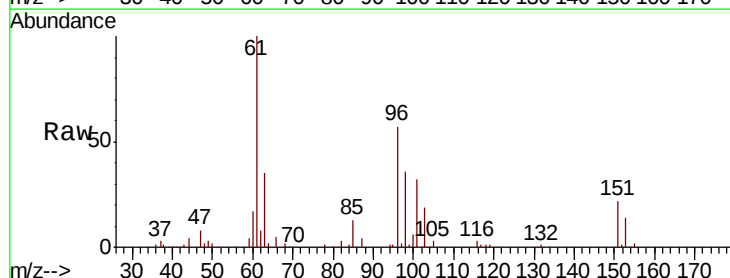
Tgt Ion: 96 Resp: 18787

Ion Ratio Lower Upper

96 100

61 176.2 131.8 197.8

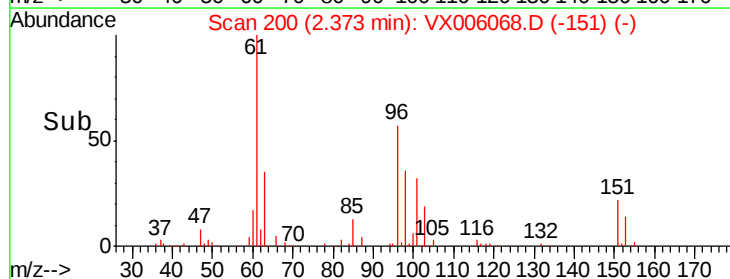
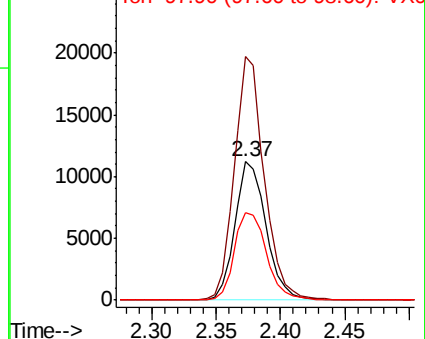
98 63.2 53.4 80.2

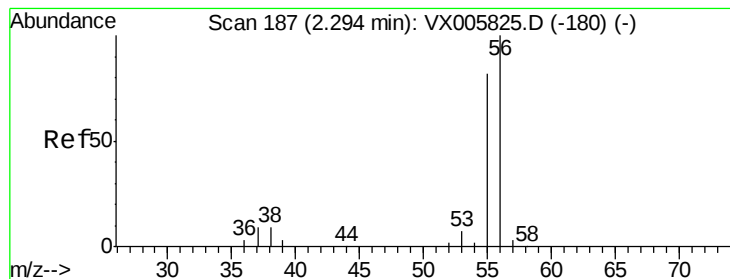


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 69.601 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

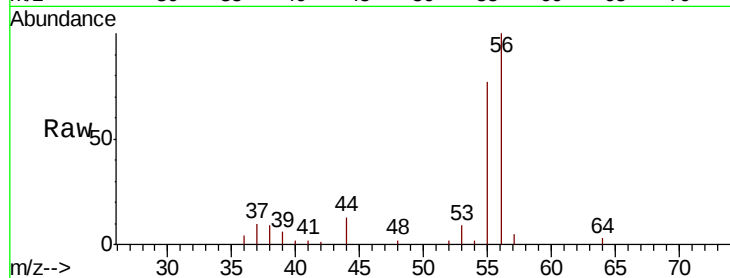
VX1117WBSD01

Tot Ion: 56 Resp: 9858

Ion Ratio Lower Upper

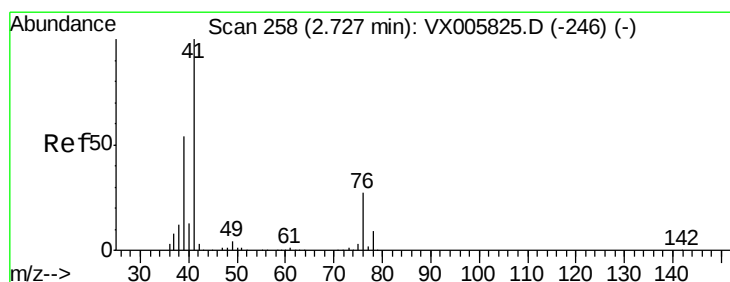
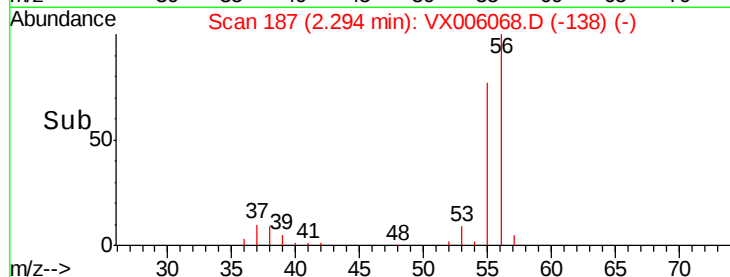
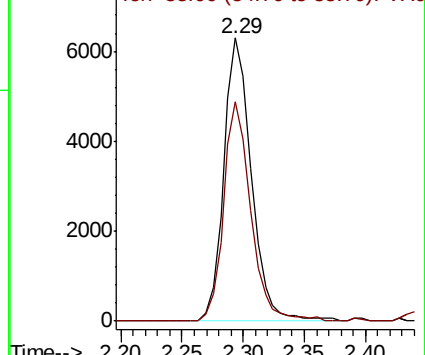
56 100

55 76.1 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: 19.475 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

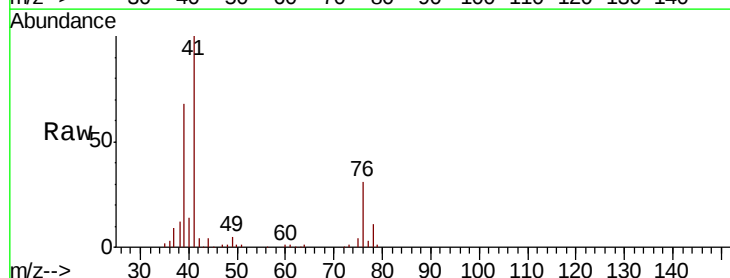
Tgt Ion: 41 Resp: 44184

Ion Ratio Lower Upper

41 100

39 58.3 48.2 72.4

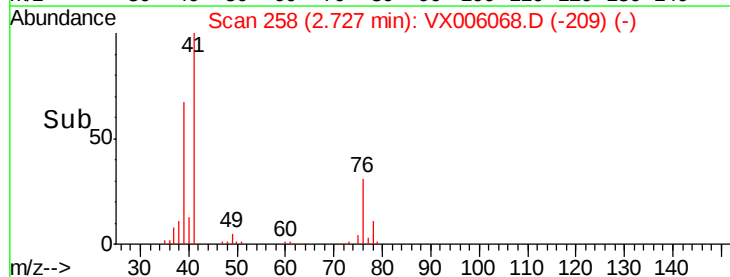
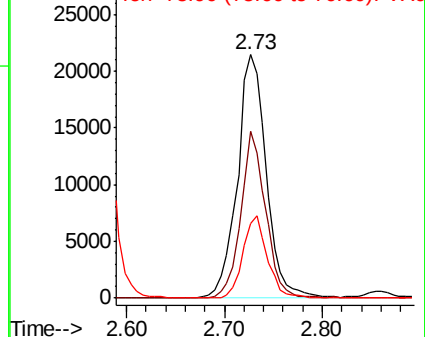
76 28.4 21.9 32.9

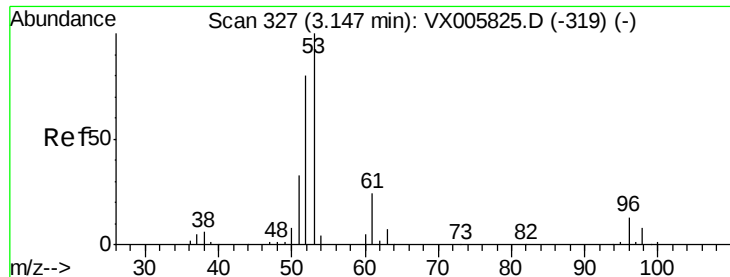


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 106.298 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

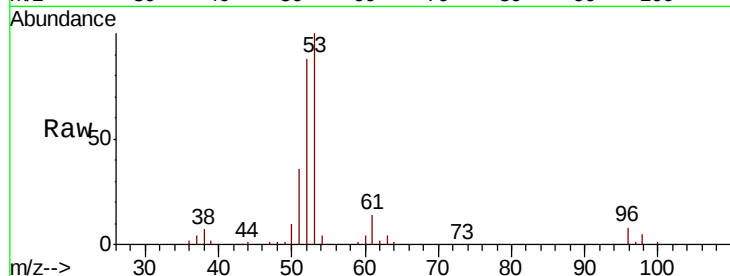
Tot Ion: 53 Resp: 83377

Ion Ratio Lower Upper

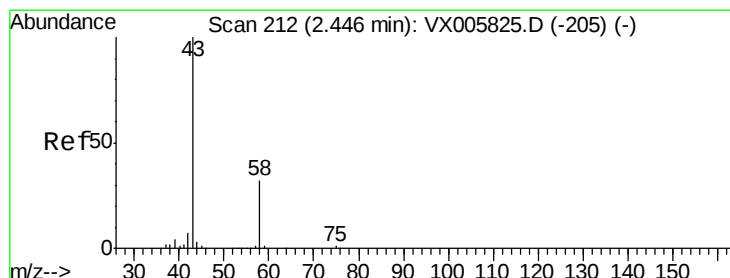
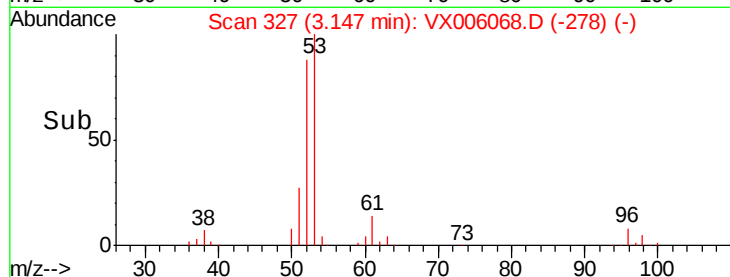
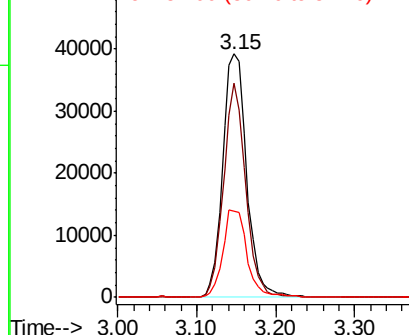
53 100

52 80.9 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: 104.717 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX006068.D

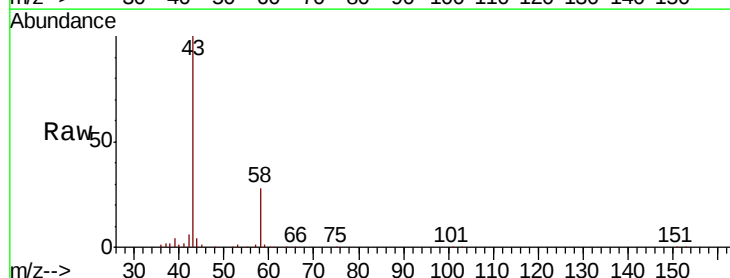
Acq: 17 Nov 2018 15:06

Tgt Ion: 43 Resp: 74494

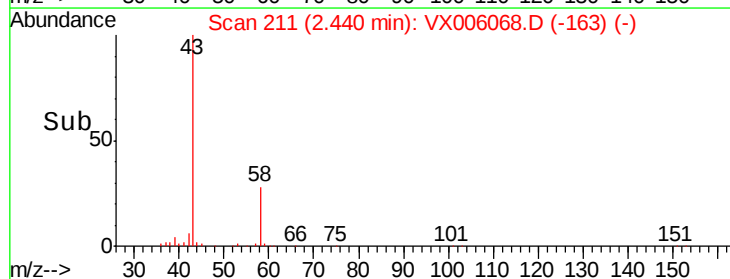
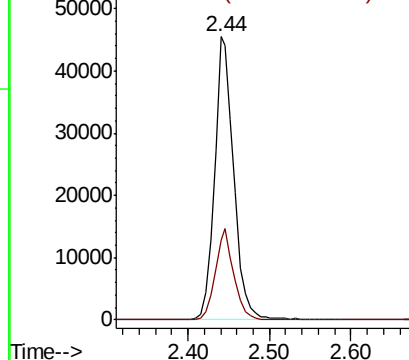
Ion Ratio Lower Upper

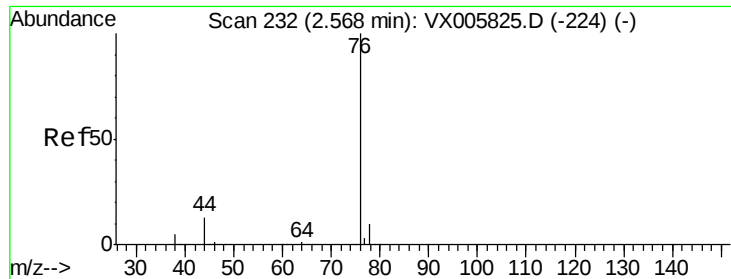
43 100

58 28.1 23.8 35.6



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

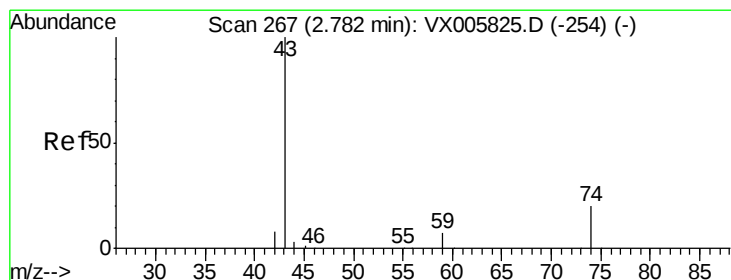
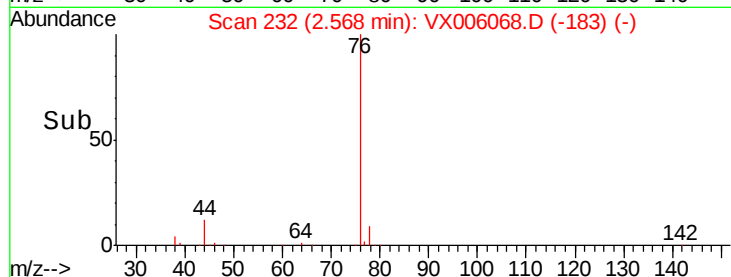
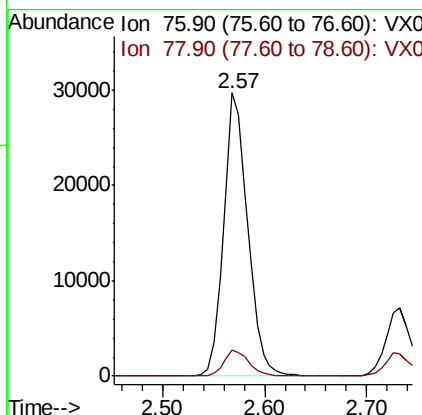
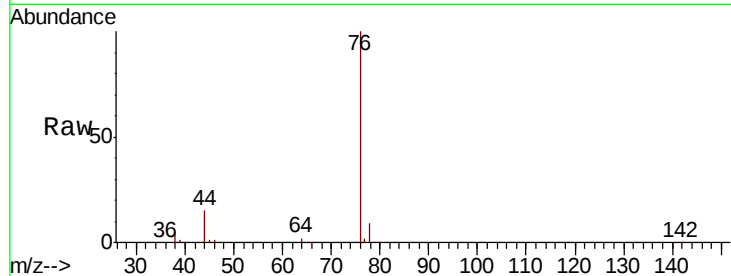




#17
Carbon Disulfide
Concen: 15.992 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

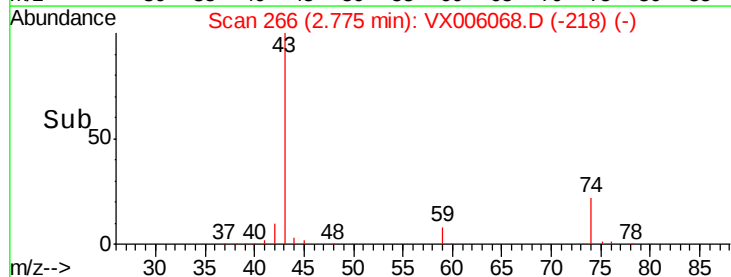
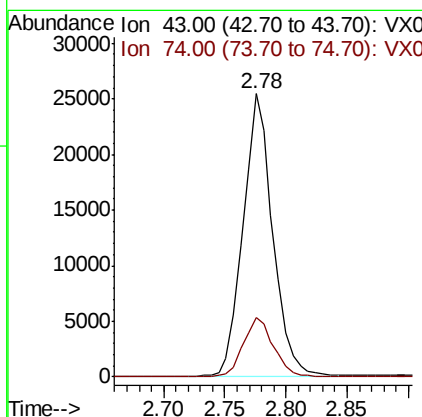
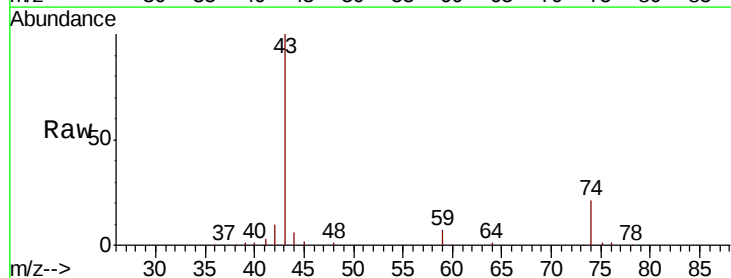
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

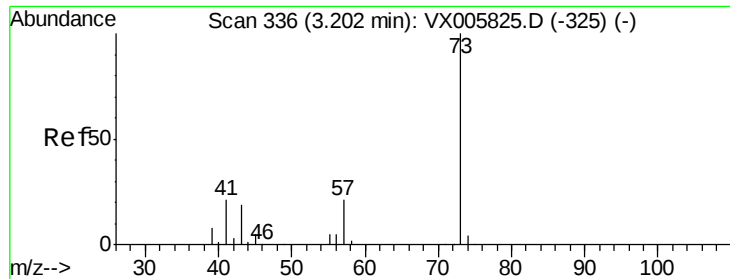
Tot Ion: 76 Resp: 48456
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 21.496 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 43 Resp: 42592
Ion Ratio Lower Upper
43 100
74 21.5 16.8 25.2

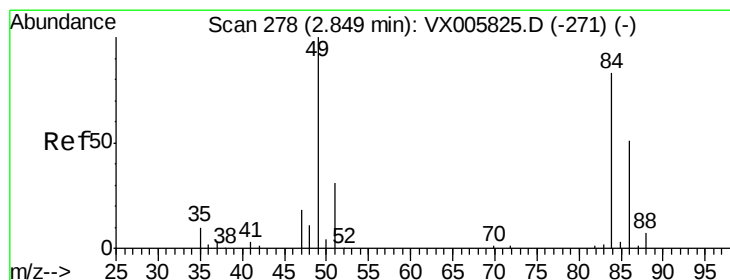
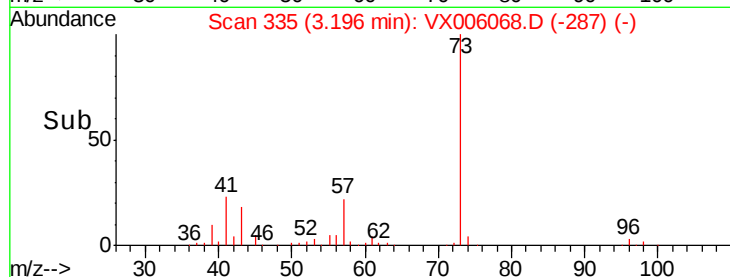
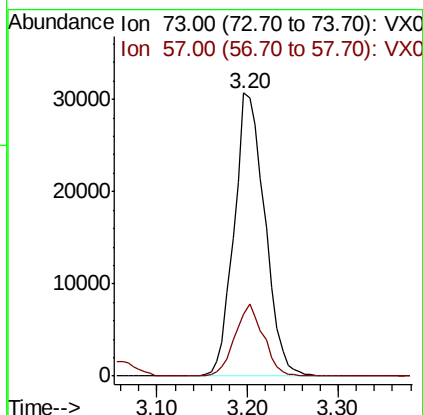
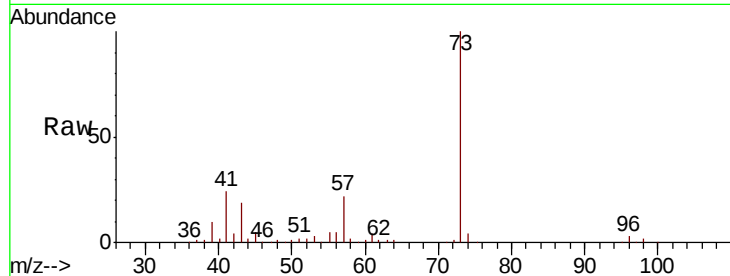




#19
Methvl tert-butvl Ether
Concen: 20.797 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

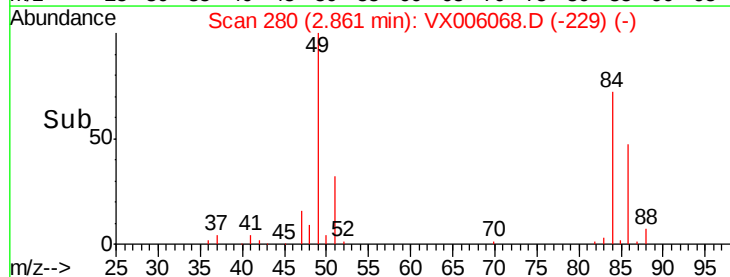
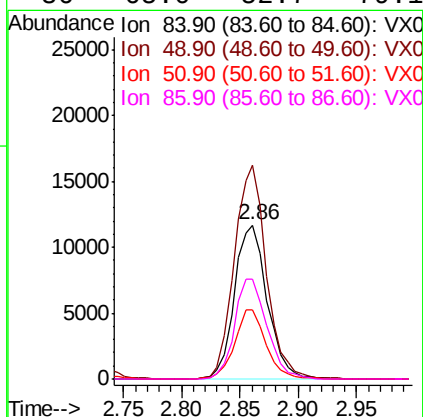
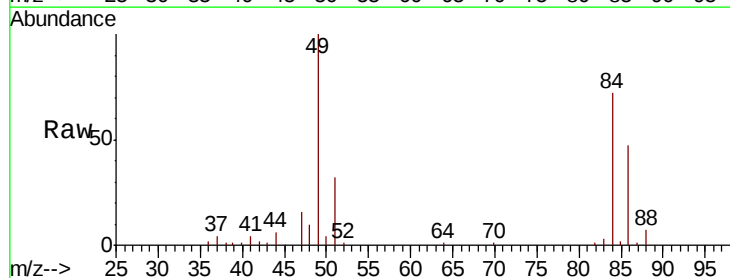
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

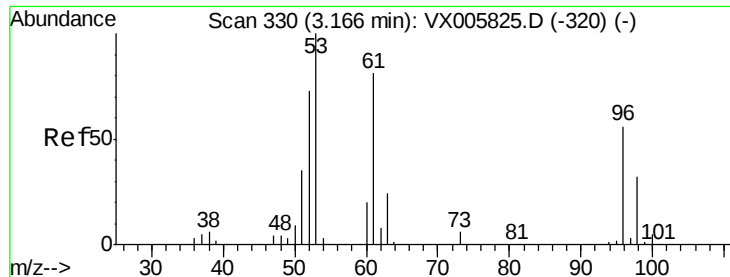
Tot Ion: 73 Resp: 72105
Ion Ratio Lower Upper
73 100
57 21.8 18.8 28.2



#20
Methylene Chloride
Concen: 19.684 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 84 Resp: 23002
Ion Ratio Lower Upper
84 100
49 138.6 109.5 164.3
51 44.8 33.3 49.9
86 65.0 52.7 79.1

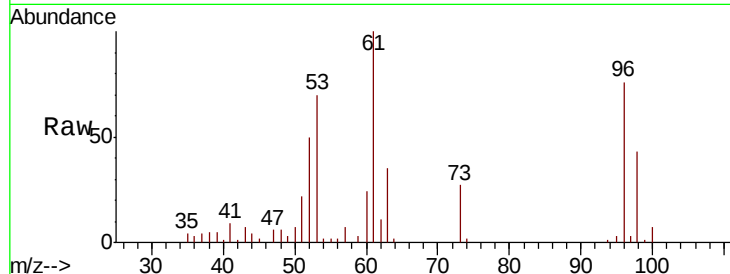




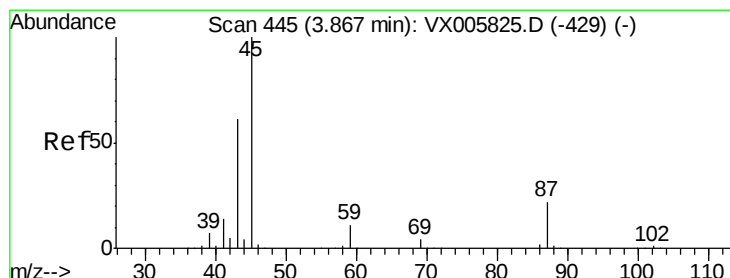
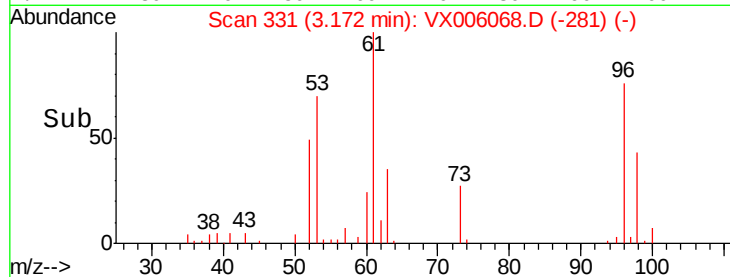
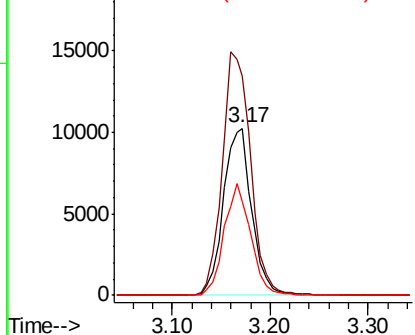
#21
trans-1,2-Dichloroethene
Concen: 19.103 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tot Ion: 96 Resp: 20468
Ion Ratio Lower Upper
96 100
61 131.1 115.6 173.4
98 56.5 50.2 75.2

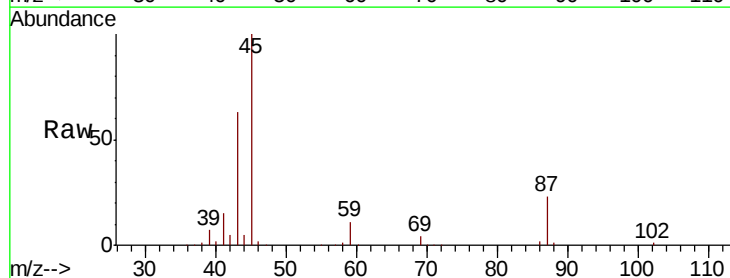


Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0

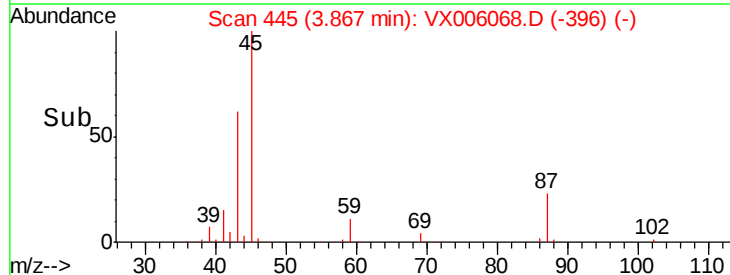
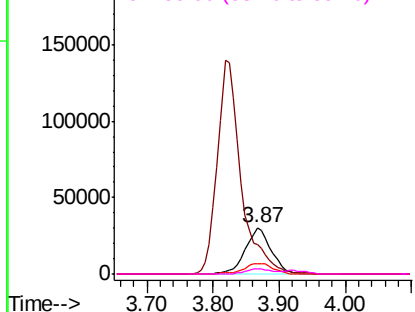


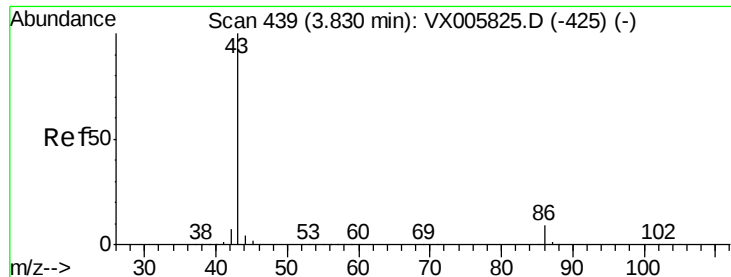
#22
Diisopropyl ether
Concen: 20.564 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 45 Resp: 81729
Ion Ratio Lower Upper
45 100
43 62.4 47.4 71.2
87 22.8 15.9 23.9
59 11.0 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: 102.504 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

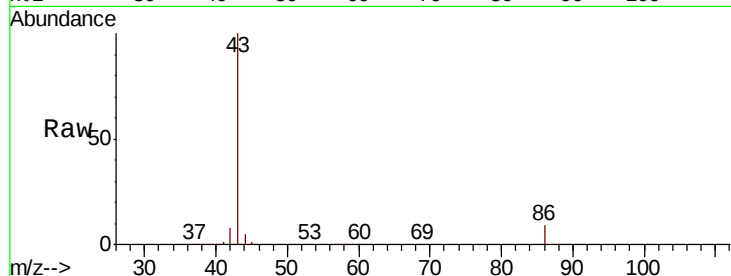
VX1117WBSD01

Tot Ion: 43 Resp: 349299

Ion Ratio Lower Upper

43 100

86 8.8 7.4 11.2



Abundance Ion 43.00 (42.70 to 43.70): VX006068.D (-390) (-)

Ion 86.00 (85.70 to 86.70): VX006068.D (-390) (-)

3.82

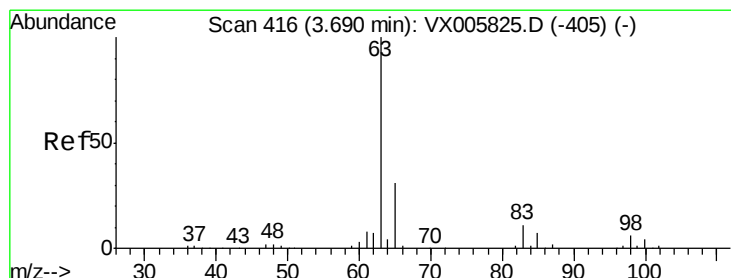
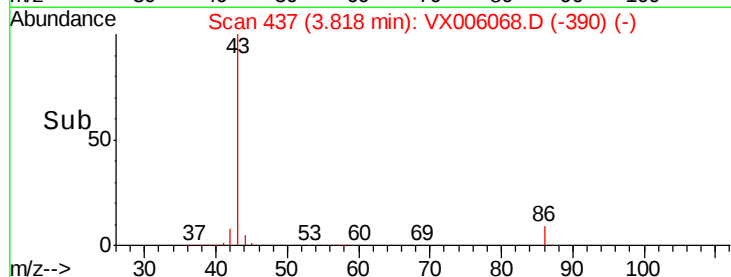
150000

100000

50000

0

Time--> 3.60 3.70 3.80 3.90 4.00



#24

1,1-Dichloroethane

Concen: 19.899 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

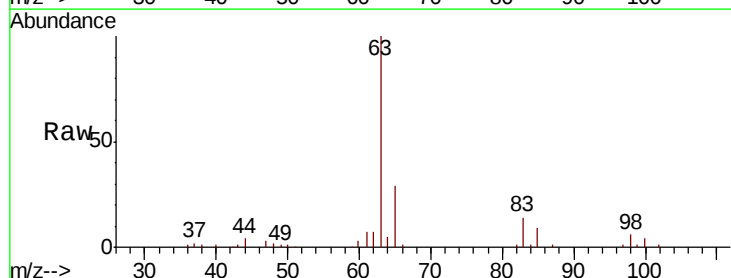
Tgt Ion: 63 Resp: 42194

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 3.9 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX006068.D (-367) (-)

Ion 97.90 (97.60 to 98.60): VX006068.D (-367) (-)

Ion 99.90 (99.60 to 100.60): VX006068.D (-367) (-)

3.70

25000

20000

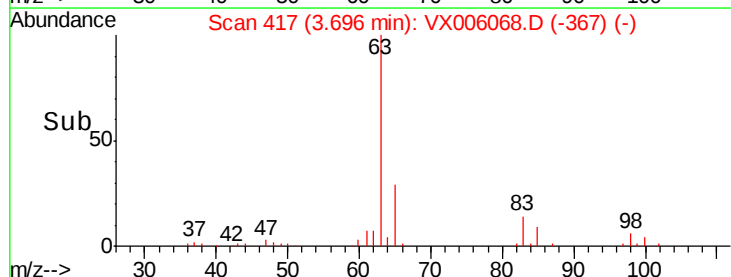
15000

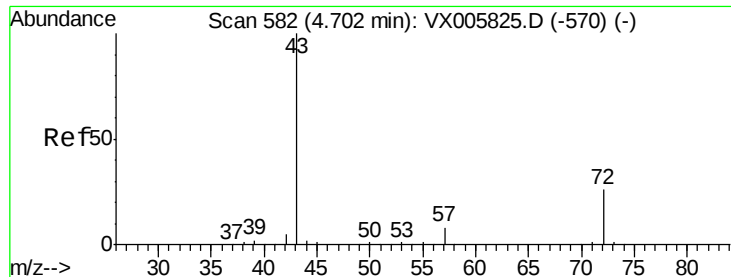
10000

5000

0

Time--> 3.60 3.70 3.80





#25

2-Butanone

Concen: 101.216 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

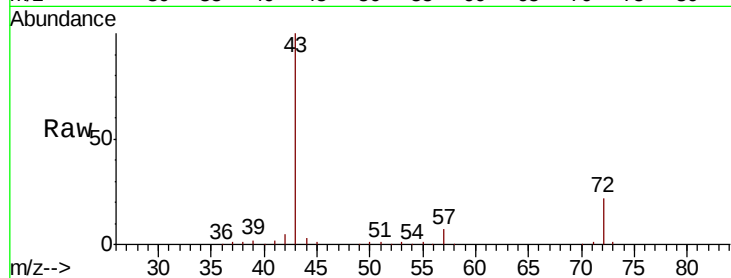
VX1117WBSD01

Tot Ion: 43 Resp: 113201

Ion Ratio Lower Upper

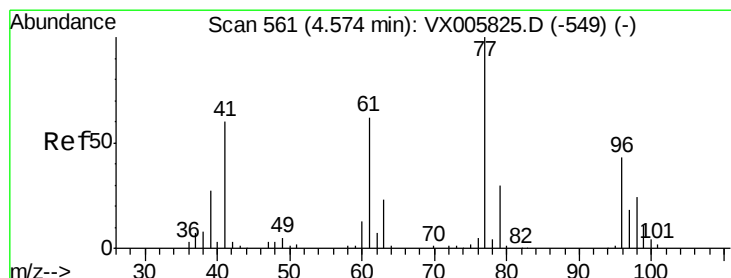
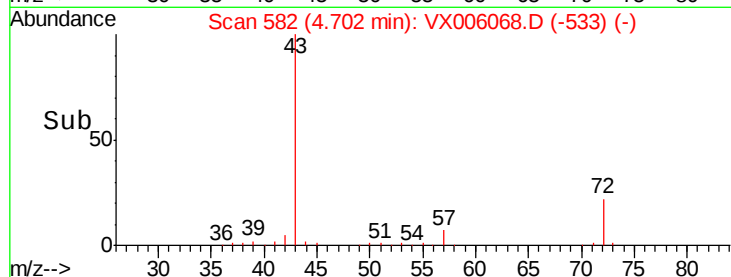
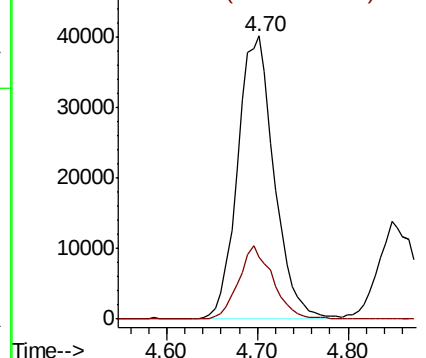
43 100

72 21.8 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: 19.455 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006068.D

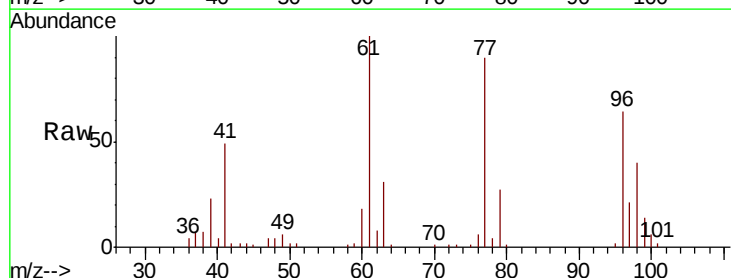
Acq: 17 Nov 2018 15:06

Tgt Ion: 77 Resp: 30261

Ion Ratio Lower Upper

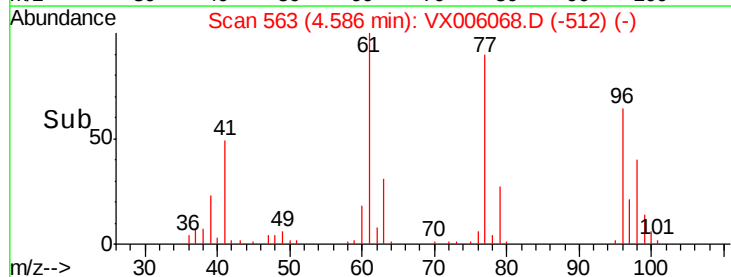
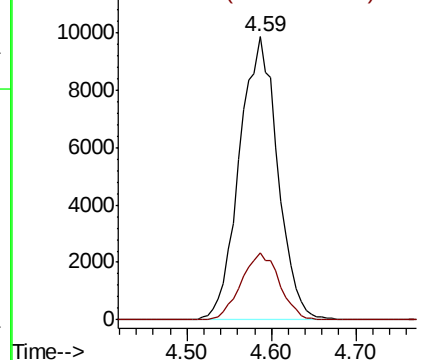
77 100

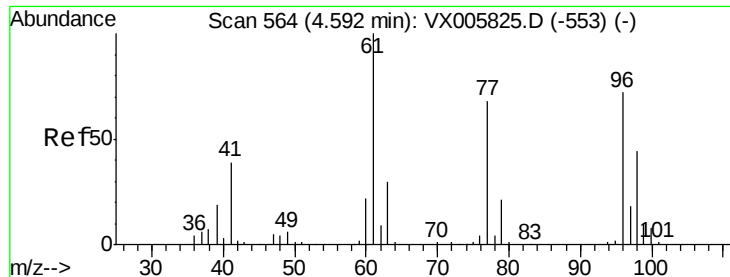
97 23.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



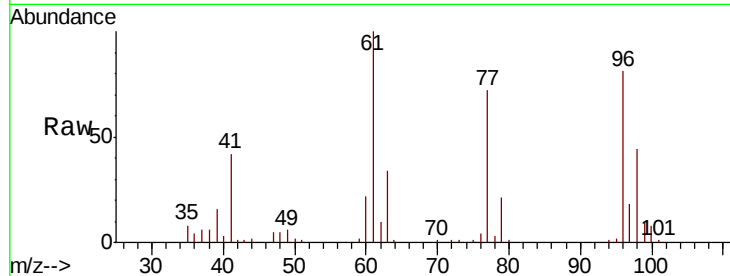


#27

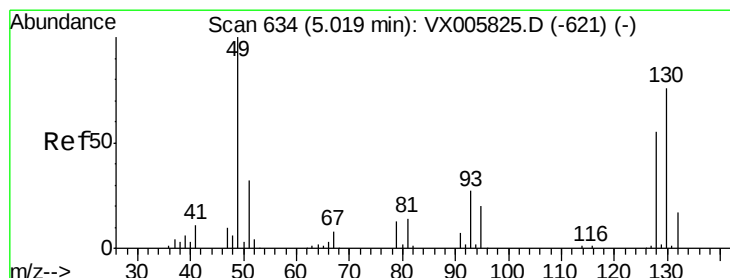
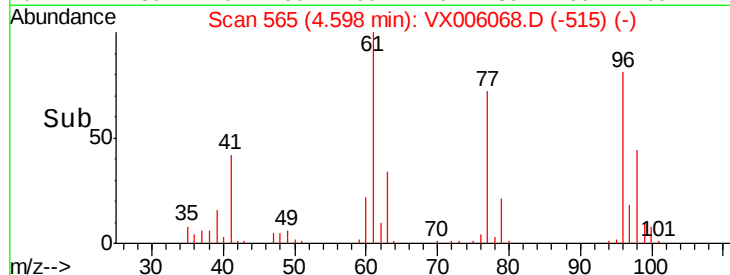
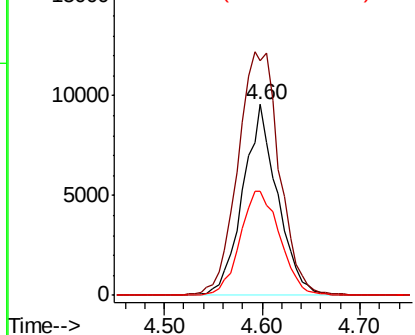
cis-1,2-Dichloroethene
Concen: 19.767 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tot Ion: 96 Resp: 23386
Ion Ratio Lower Upper
96 100
61 154.3 0.0 304.6
98 63.2 0.0 127.4



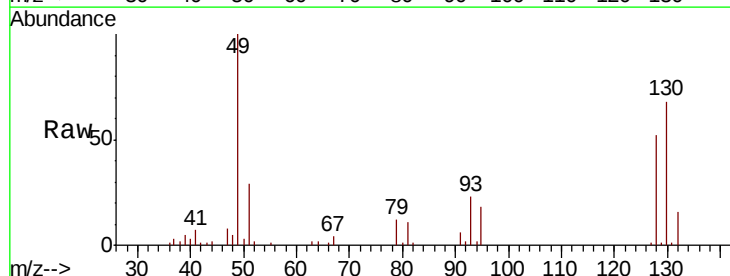
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



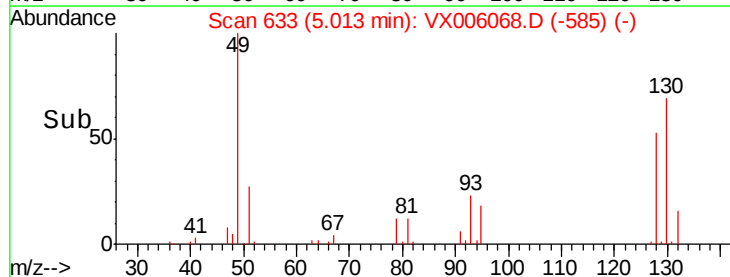
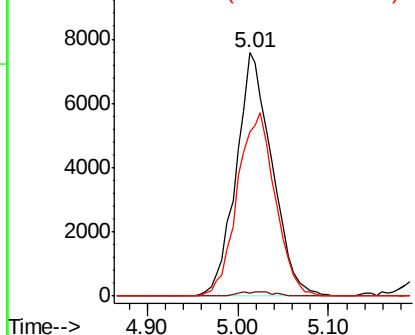
#28

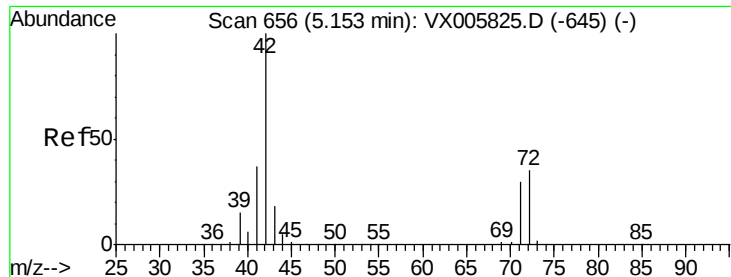
Bromochloromethane
Concen: 21.987 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 49 Resp: 20836
Ion Ratio Lower Upper
49 100
129 0.7 0.0 4.0
130 78.8 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: 100.736 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

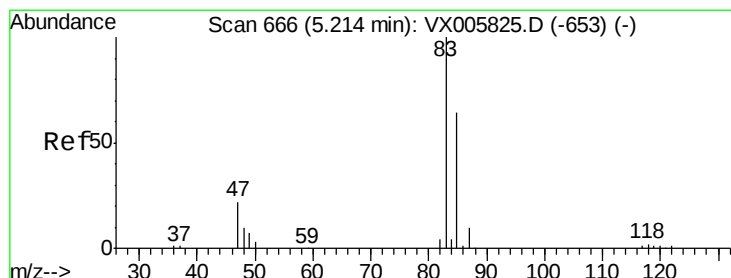
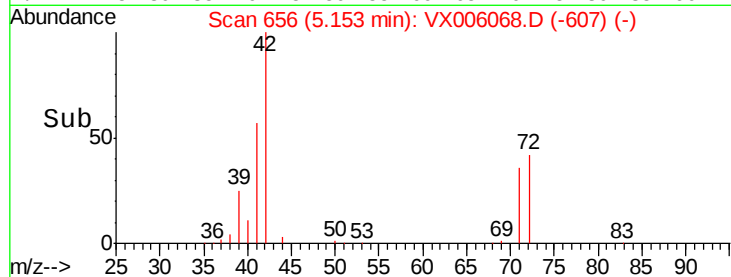
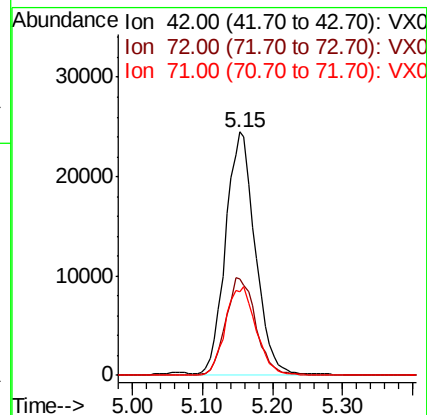
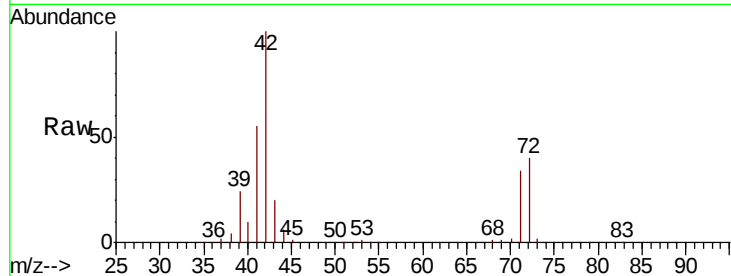
Tot Ion: 42 Resp: 72339

Ion Ratio Lower Upper

42 100

72 40.6 32.0 48.0

71 37.5 29.8 44.8



#30

Chloroform

Concen: 20.359 ug/l

RT: 5.21 min Scan# 666

Delta R.T. -0.00 min

Lab File: VX006068.D

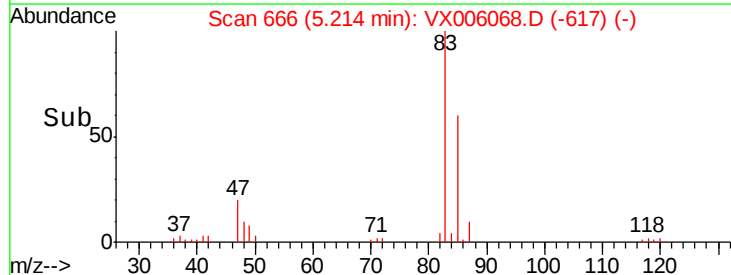
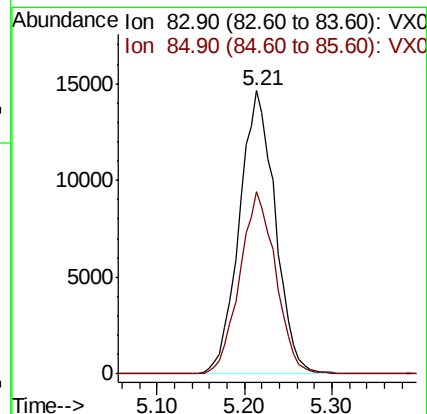
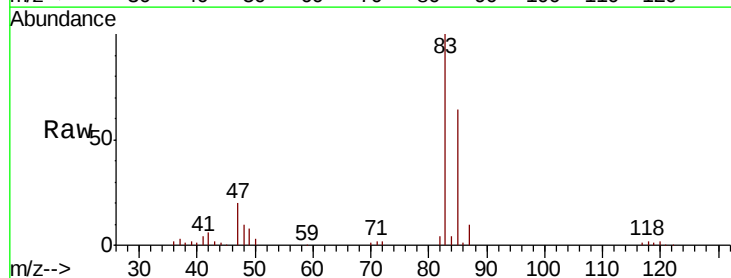
Acq: 17 Nov 2018 15:06

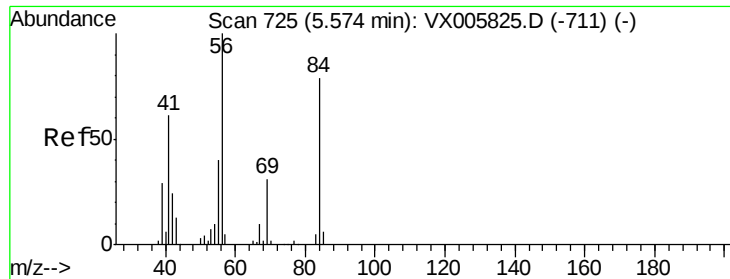
Tgt Ion: 83 Resp: 41649

Ion Ratio Lower Upper

83 100

85 64.4 50.6 76.0

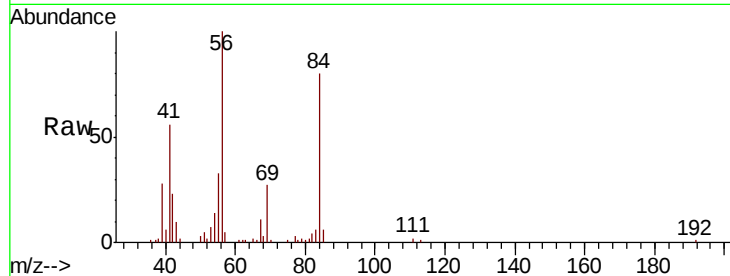




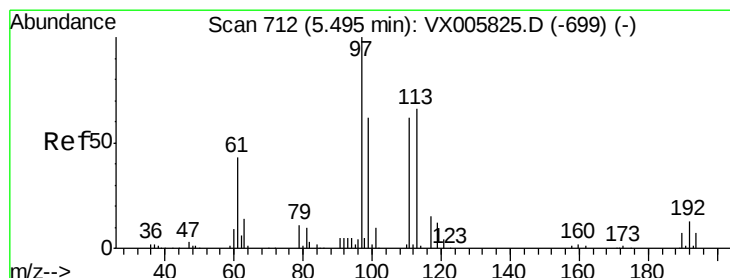
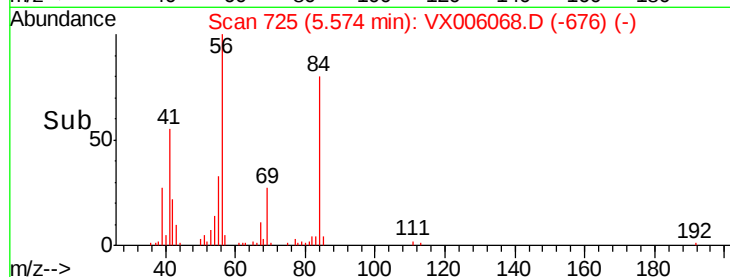
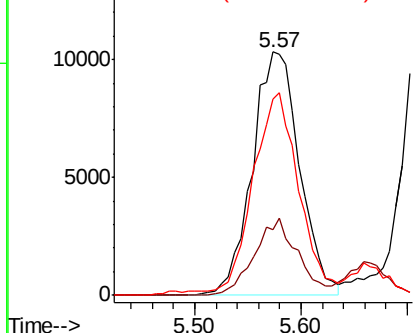
#31
Cyclohexane
Concen: 17.405 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tot Ion: 56 Resp: 32035
Ion Ratio Lower Upper
56 100
69 27.0 22.6 34.0
84 78.5 62.7 94.1

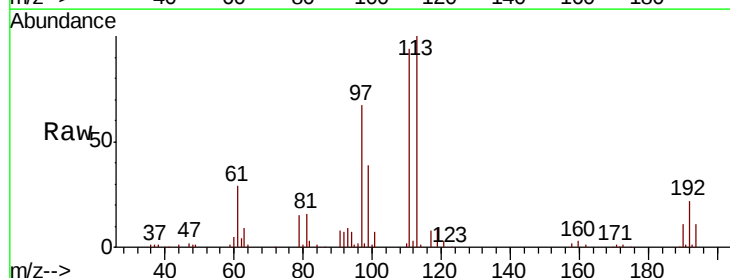


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

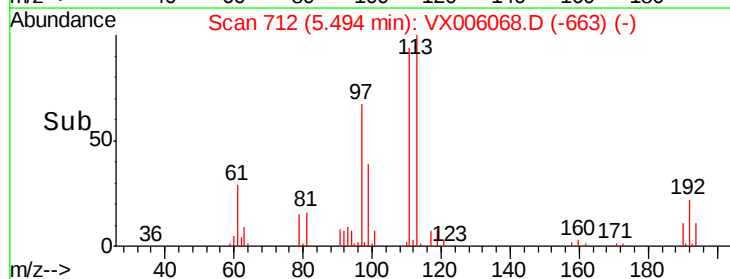
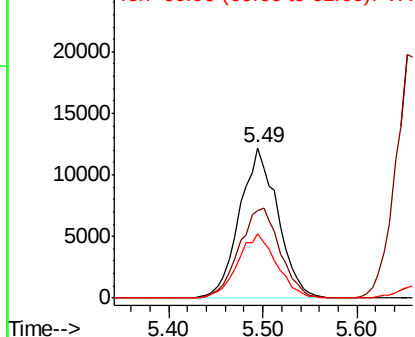


#32
1,1,1-Trichloroethane
Concen: 20.360 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 97 Resp: 34741
Ion Ratio Lower Upper
97 100
99 63.8 52.3 78.5
61 43.6 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

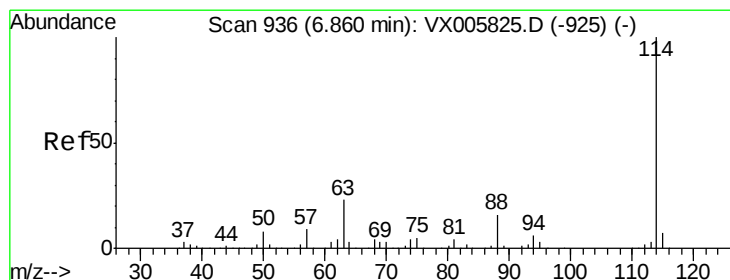
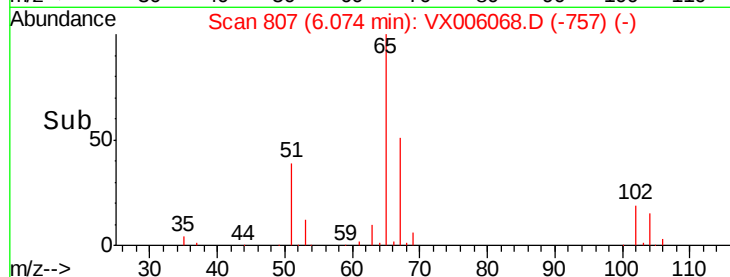
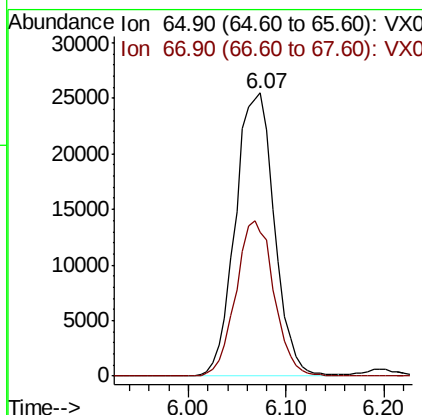
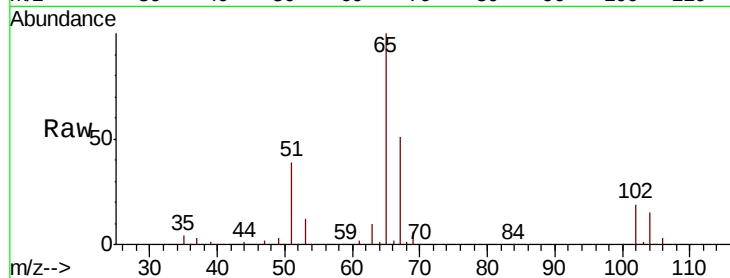




#33
 1,2-Dichloroethane-d4
 Concen: 53.293 ug/l
 RT: 6.07 min Scan# 807
 Delta R.T. 0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

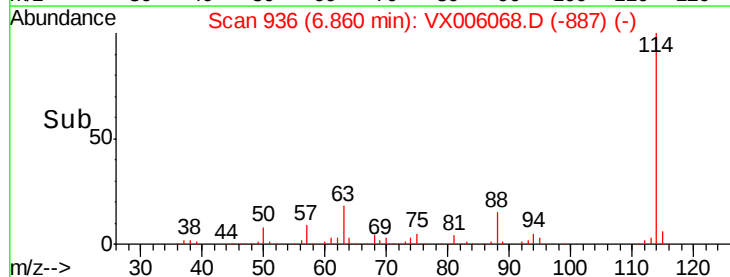
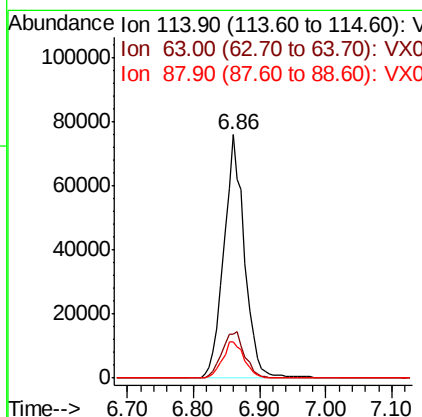
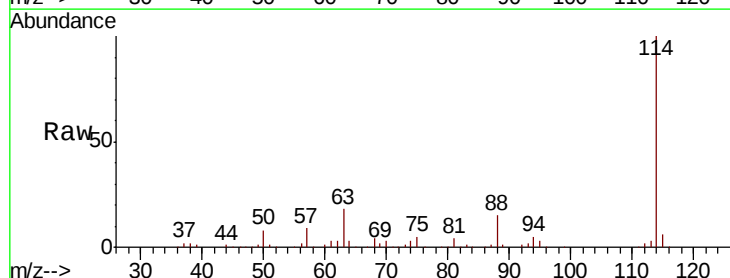
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

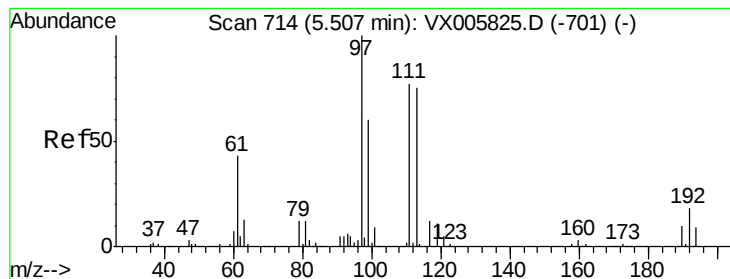
Tot Ion: 65 Resp: 70412
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion: 114 Resp: 164636
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 42.8
 88 14.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.946 ug/l

RT: 5.51 min Scan# 714

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

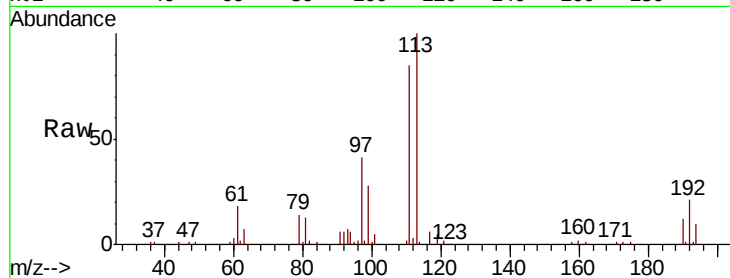
Tot Ion:113 Resp: 55928

Ion Ratio Lower Upper

113 100

111 102.2 82.3 123.5

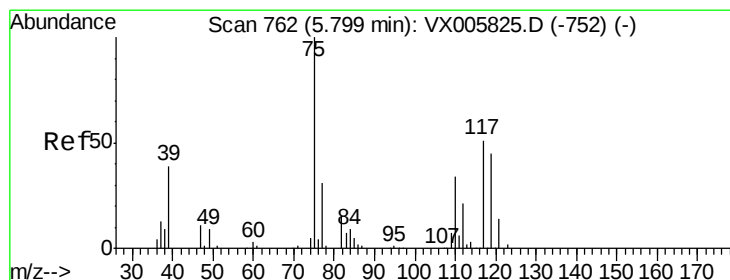
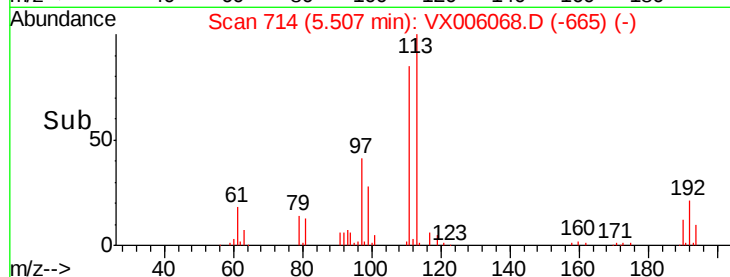
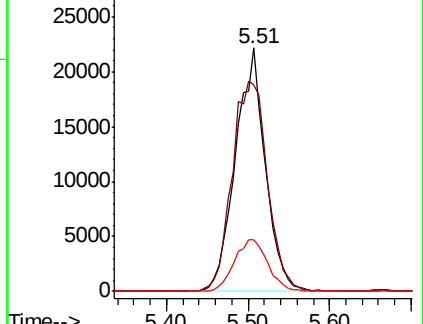
192 23.8 17.9 26.9



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: 18.414 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

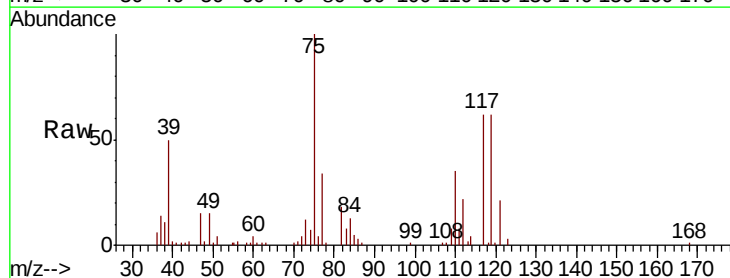
Tgt Ion: 75 Resp: 29226

Ion Ratio Lower Upper

75 100

110 36.2 17.4 52.2

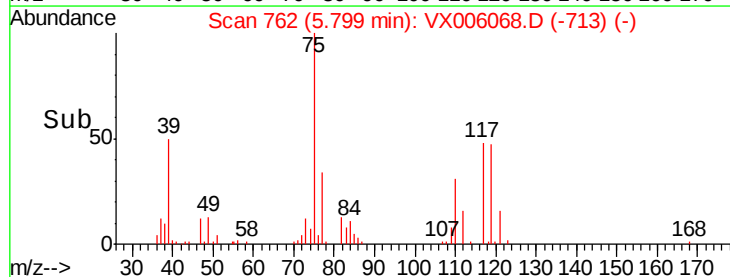
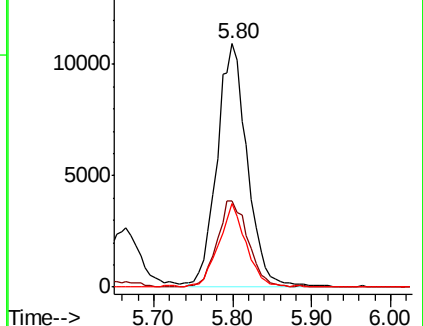
77 30.9 25.8 38.6

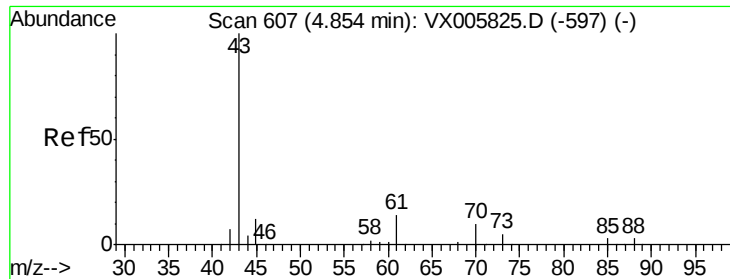


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

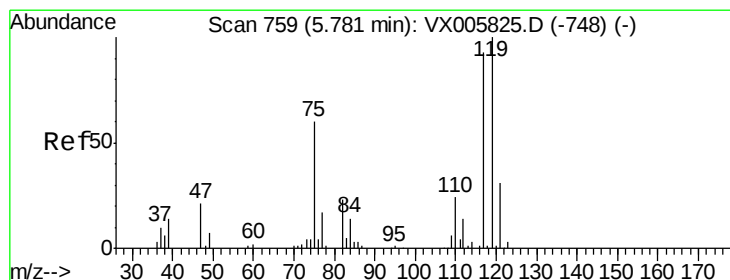
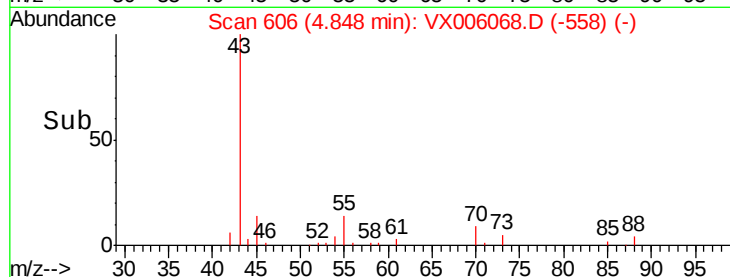
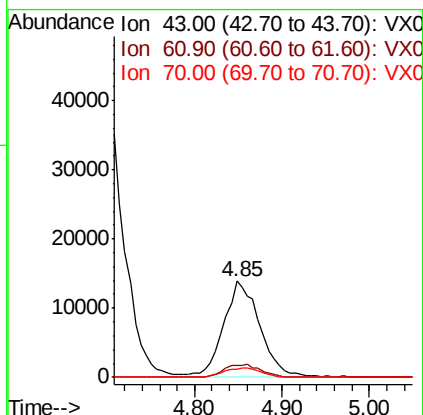
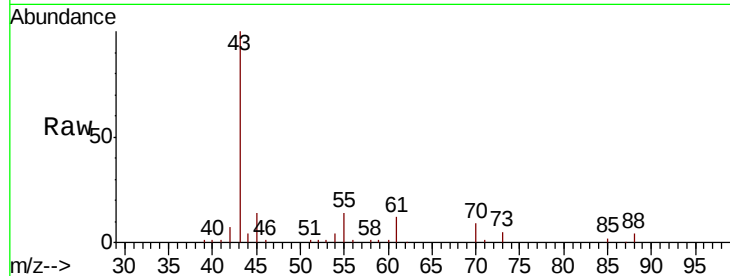




#37
Ethyl Acetate
Concen: 18.905 ug/l
RT: 4.85 min Scan# 606
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

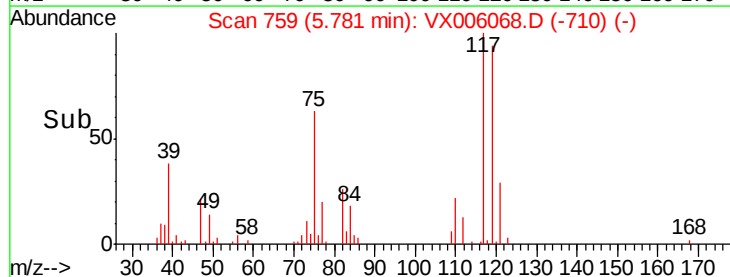
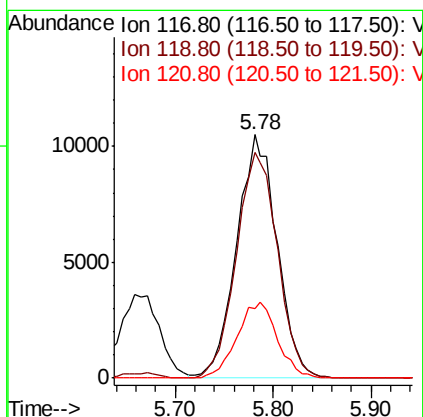
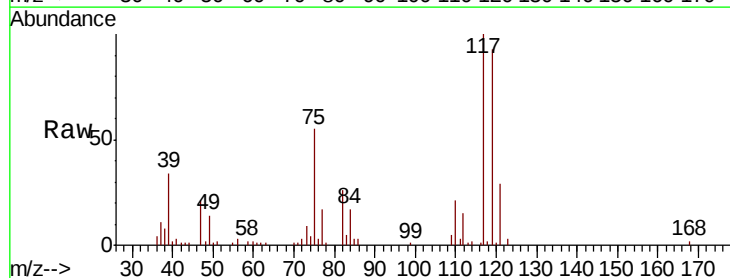
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tot Ion: 43 Resp: 39456
Ion Ratio Lower Upper
43 100
61 14.0 10.8 16.2
70 10.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 18.885 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 117 Resp: 30007
Ion Ratio Lower Upper
117 100
119 92.7 78.1 117.1
121 28.6 24.6 36.8

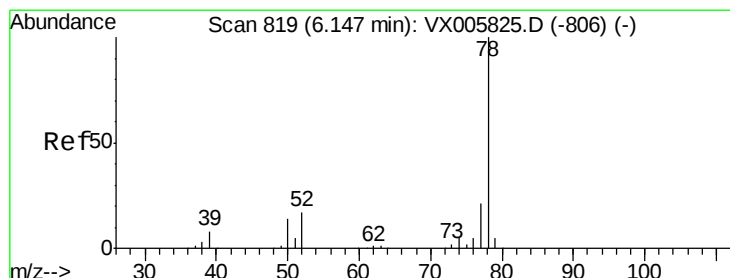
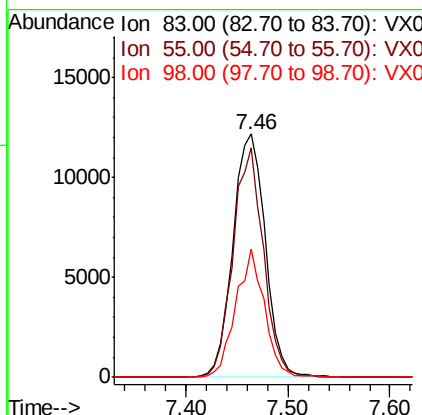
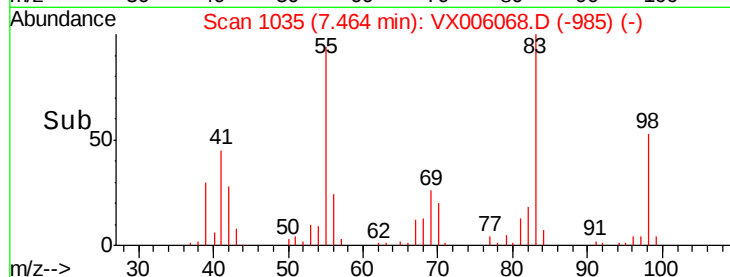
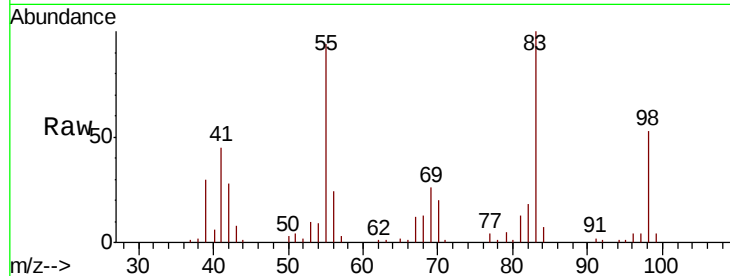




#39
Methvlcvclohexane
Concen: 16.634 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

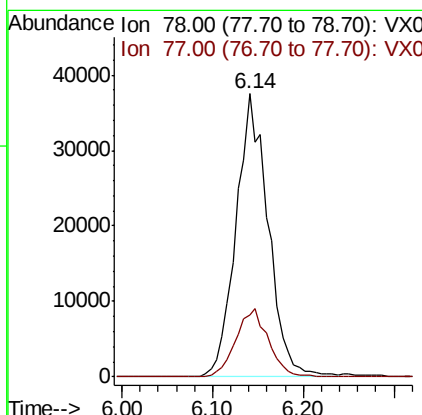
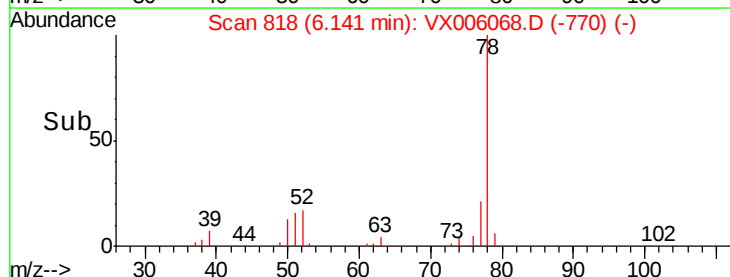
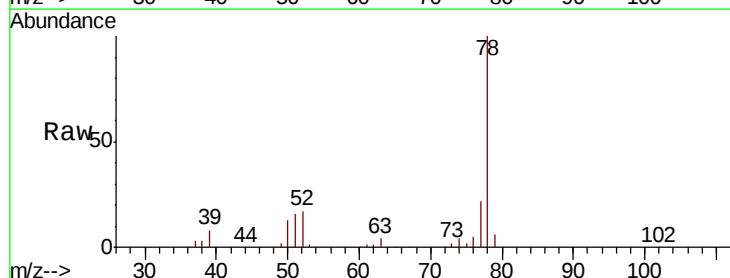
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

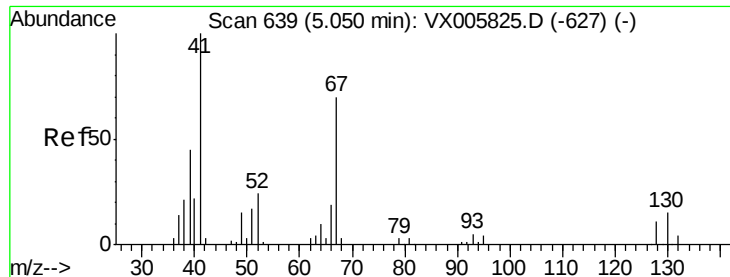
Tot Ion: 83 Resp: 26757
Ion Ratio Lower Upper
83 100
55 94.2 63.7 95.5
98 52.8 36.2 54.2



#40
Benzene
Concen: 19.949 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 78 Resp: 92303
Ion Ratio Lower Upper
78 100
77 21.7 18.4 27.6

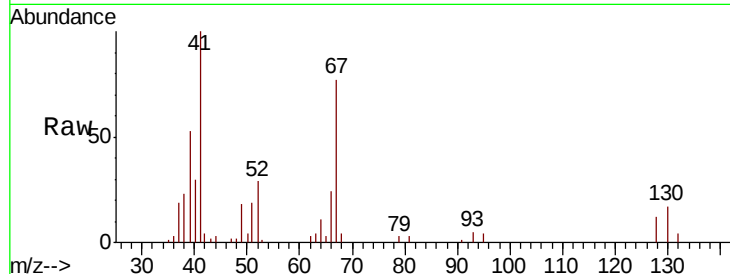




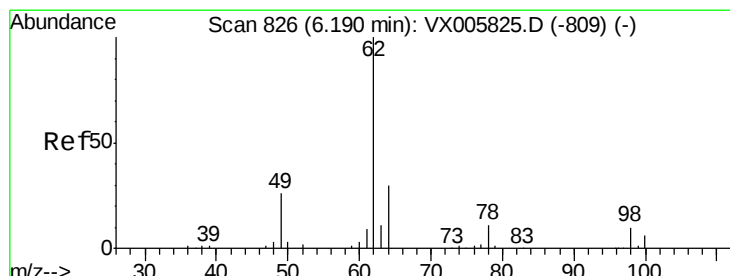
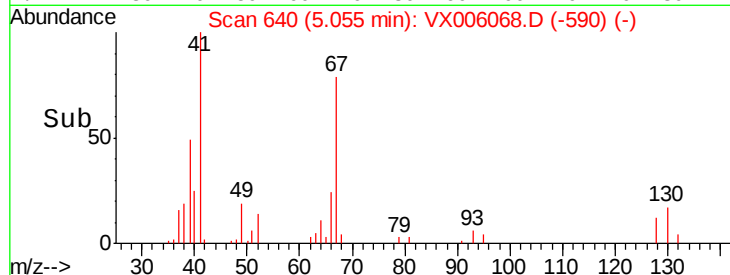
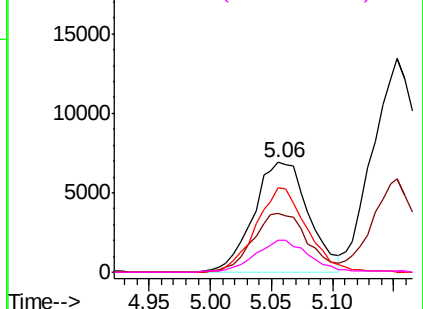
#41
Methacrylonitrile
Concen: 19.236 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tot Ion:	41	Resp:	21694
Ion	Ratio	Lower	Upper
41	100		
39	53.5	42.2	63.2
67	71.1	53.4	80.0
52	28.8	23.4	35.2

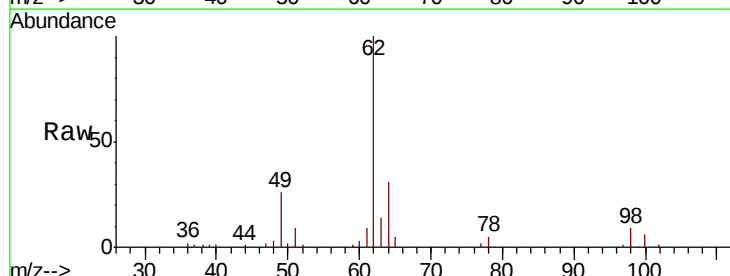


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

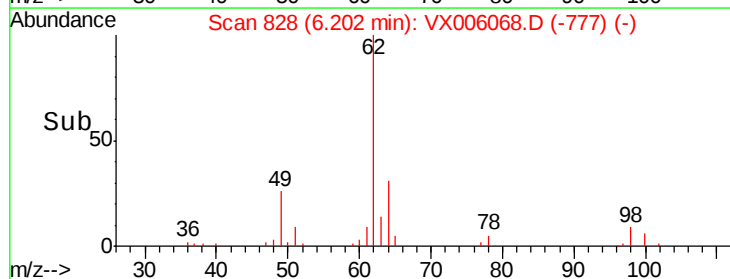
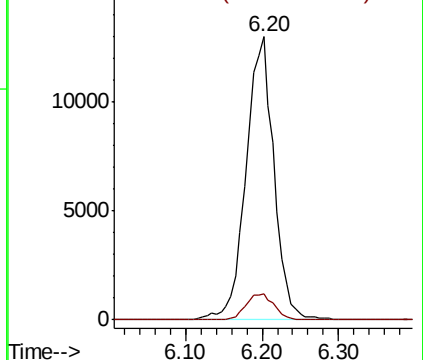


#42
1,2-Dichloroethane
Concen: 19.971 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion:	62	Resp:	33096
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



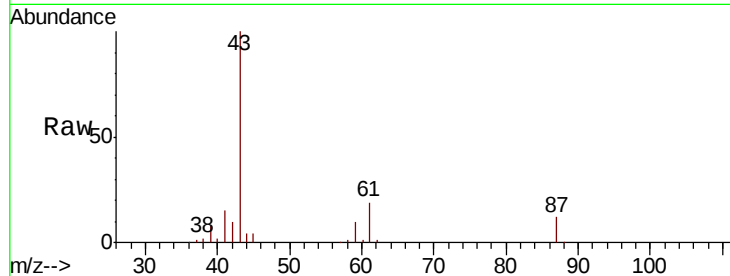


#43

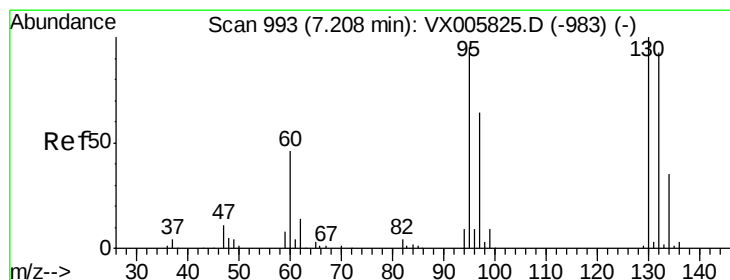
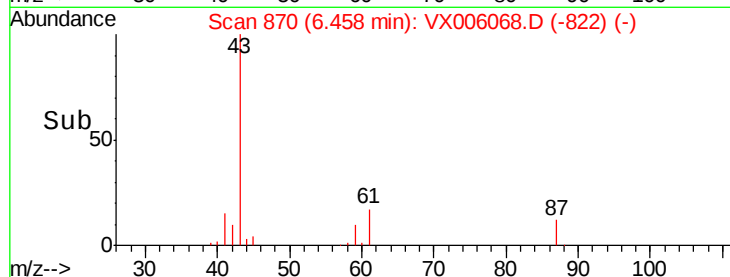
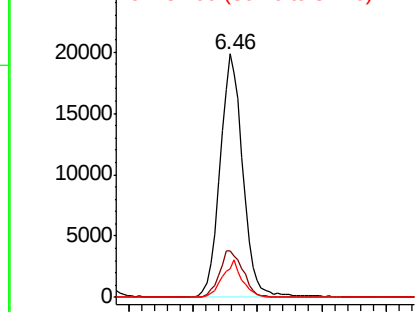
Isopropyl Acetate
 Concen: 16.438 ug/l
 RT: 6.46 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampled :
 VX1117WBSD01

Tot Ion: 43 Resp: 49714
 Ion Ratio Lower Upper
 43 100
 61 19.6 14.6 22.0
 87 13.0 9.6 14.4



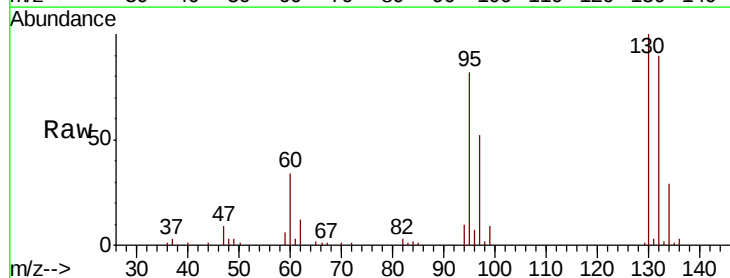
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



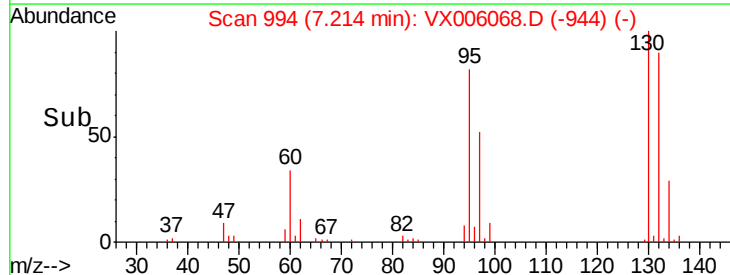
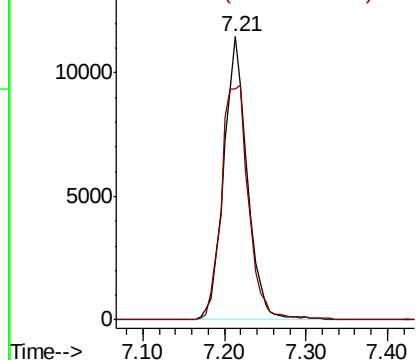
#44

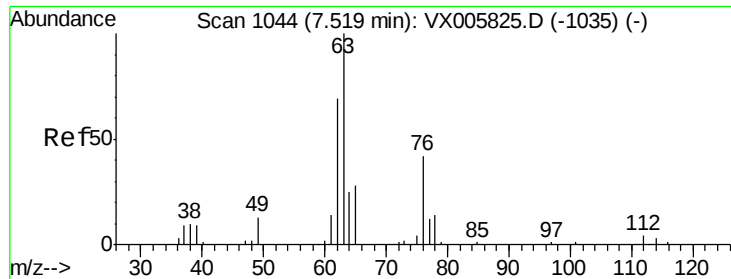
Trichloroethene
 Concen: 19.615 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion:130 Resp: 23048
 Ion Ratio Lower Upper
 130 100
 95 81.7 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 21.009 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

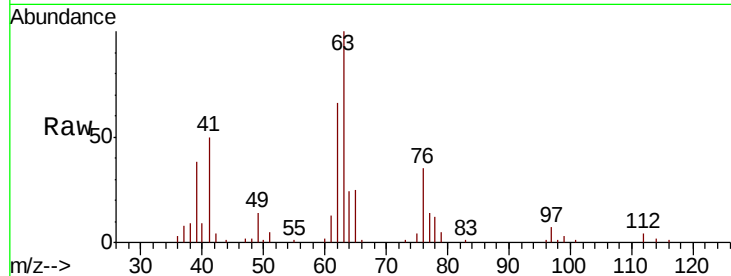
VX1117WBSD01

Tot Ion: 63 Resp: 23593

Ion Ratio Lower Upper

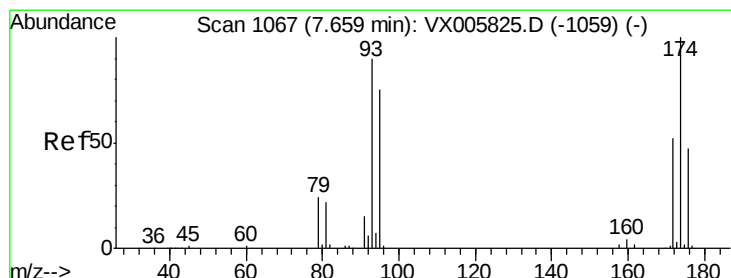
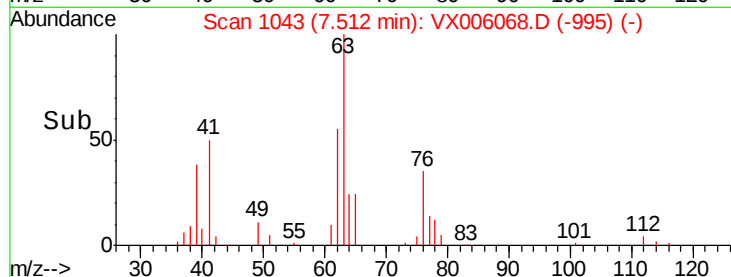
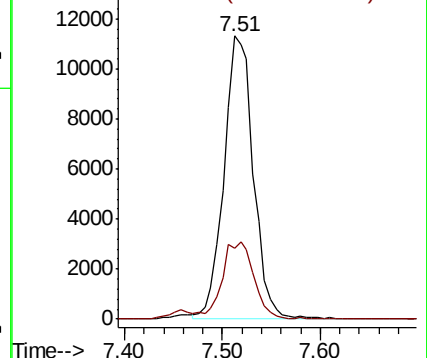
63 100

65 25.0 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: 19.228 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

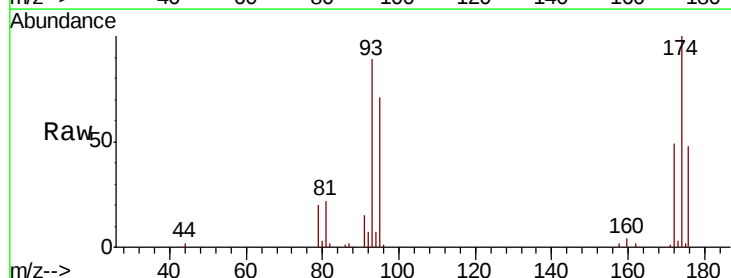
Tgt Ion: 93 Resp: 13550

Ion Ratio Lower Upper

93 100

95 83.8 67.4 101.0

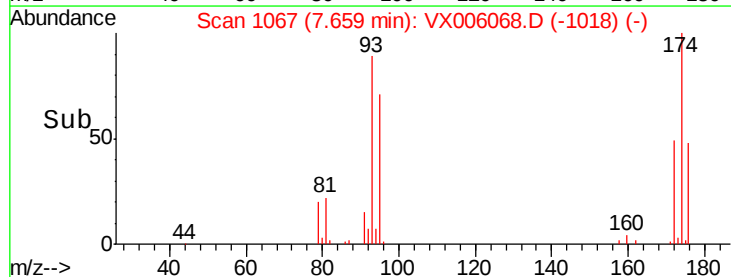
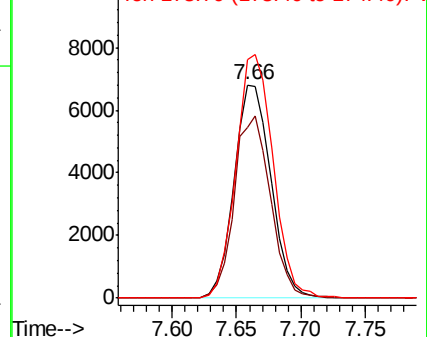
174 115.1 91.5 137.3

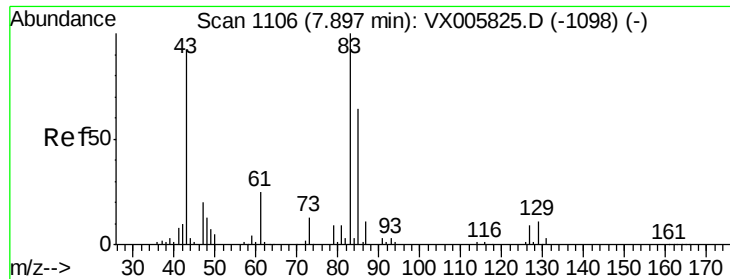


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.138 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

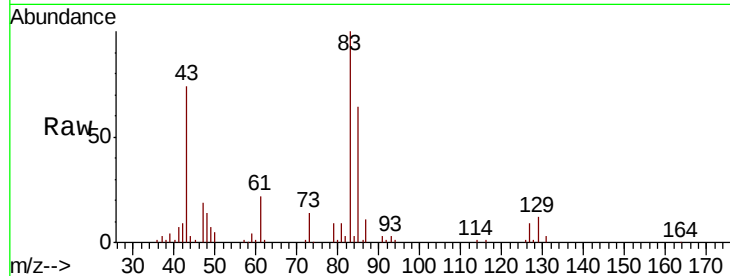
Tot Ion: 83 Resp: 25488

Ion Ratio Lower Upper

83 100

85 64.2 50.2 75.4

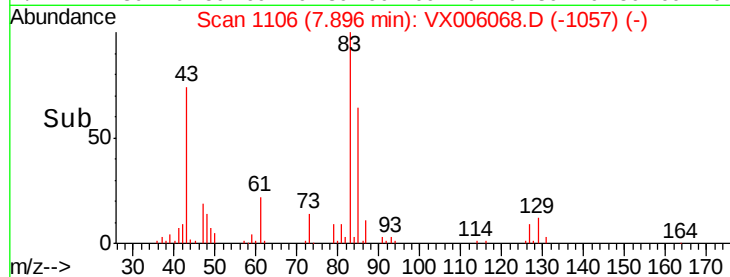
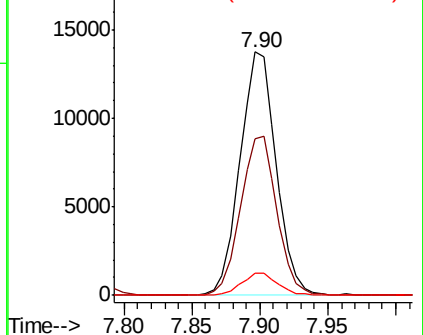
127 9.3 6.9 10.3



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: 18.427 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

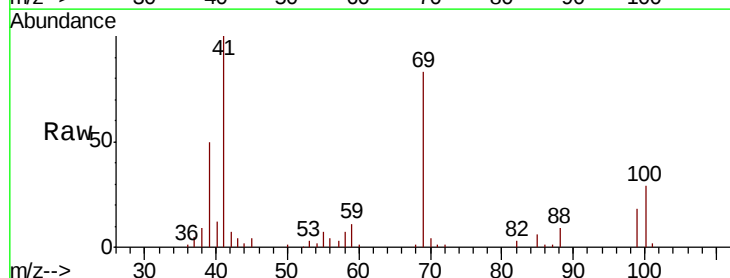
Tgt Ion: 41 Resp: 25023

Ion Ratio Lower Upper

41 100

69 80.0 63.2 94.8

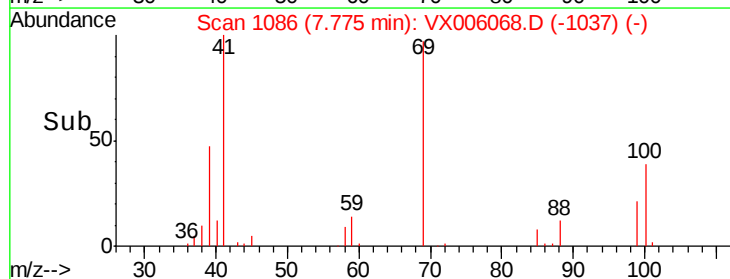
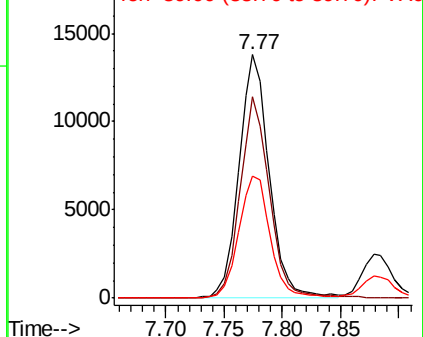
39 52.2 42.2 63.2



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

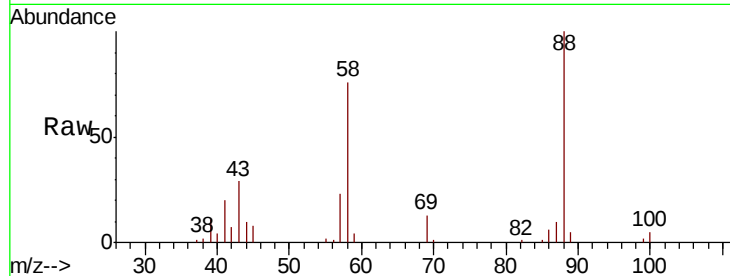




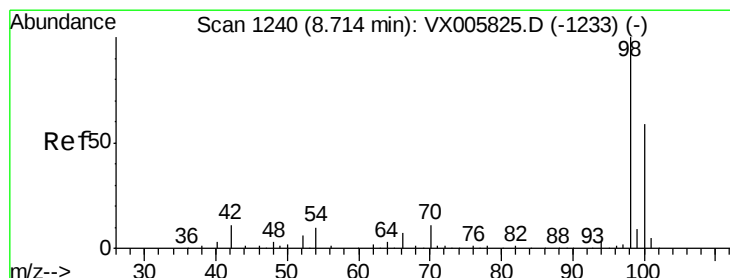
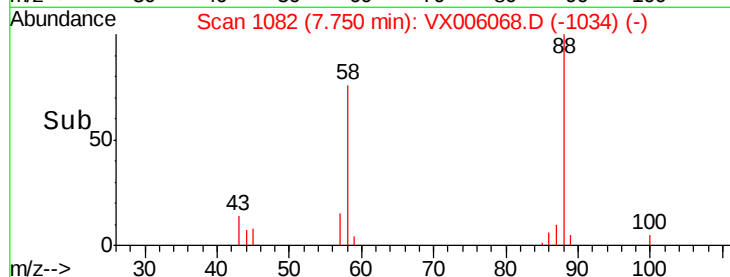
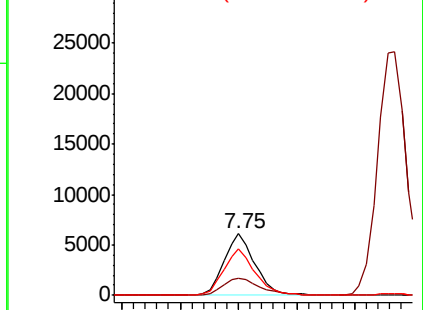
#49
1,4-Dioxane
Concen: 380.975 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tot Ion: 88 Resp: 11148
Ion Ratio Lower Upper
88 100
43 35.5 27.4 41.0
58 76.3 59.4 89.2

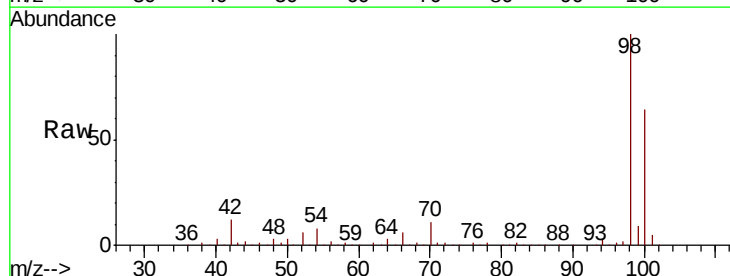


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

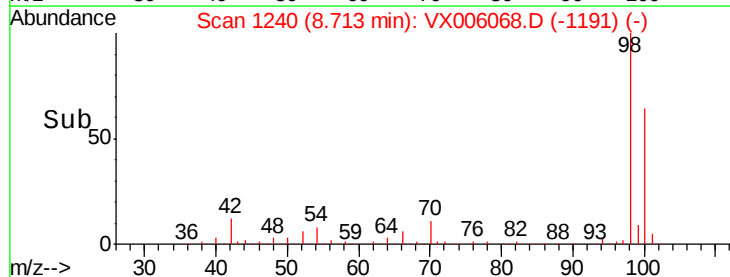
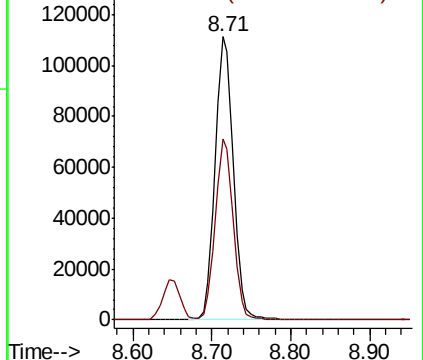


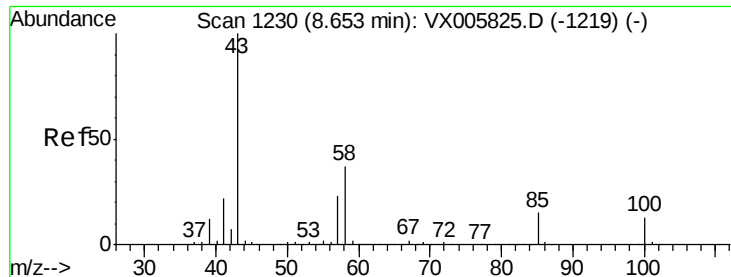
#50
Toluene-d8
Concen: 48.361 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 98 Resp: 180037
Ion Ratio Lower Upper
98 100
100 63.2 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: 92.486 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

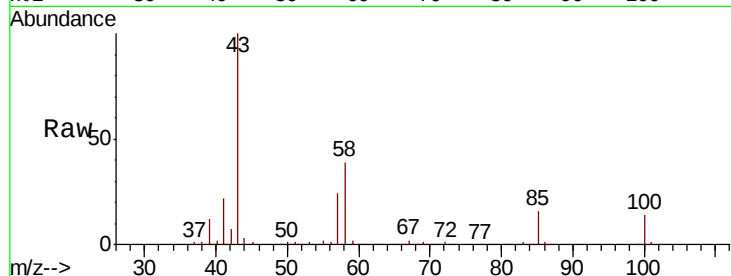
VX1117WBSD01

Tot Ion: 43 Resp: 176279

Ion Ratio Lower Upper

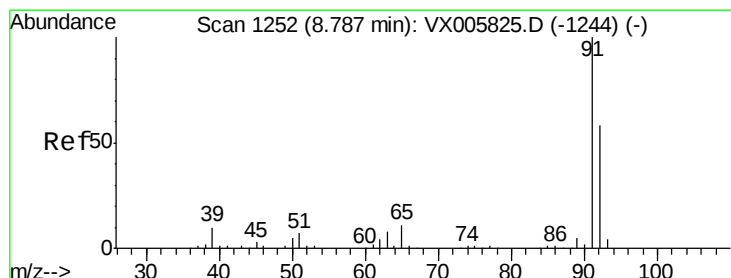
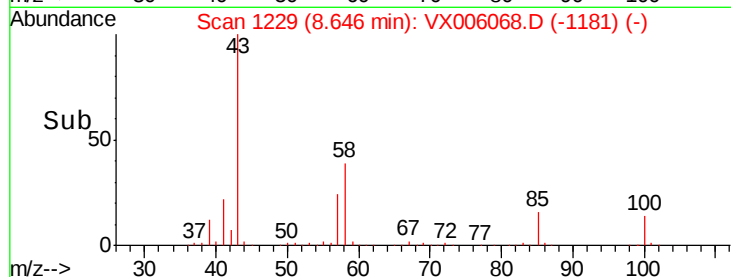
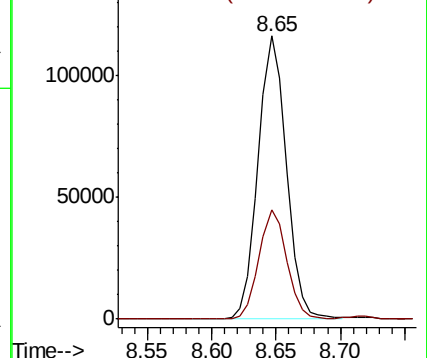
43 100

58 38.2 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: 17.939 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006068.D

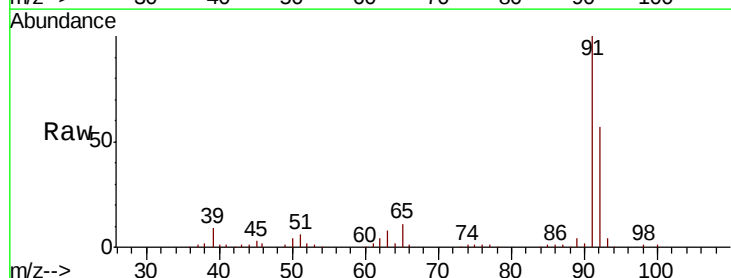
Acq: 17 Nov 2018 15:06

Tgt Ion: 92 Resp: 46387

Ion Ratio Lower Upper

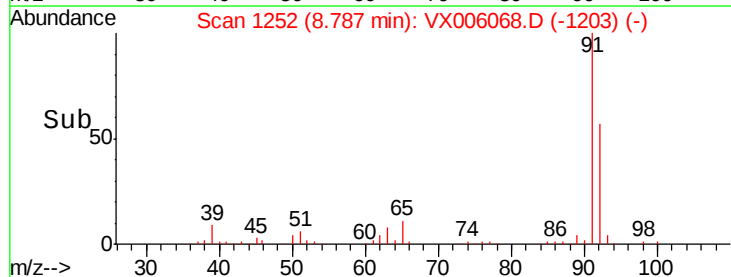
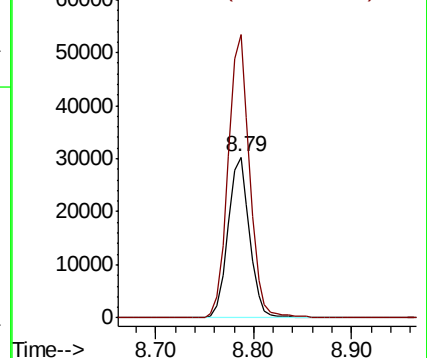
92 100

91 175.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

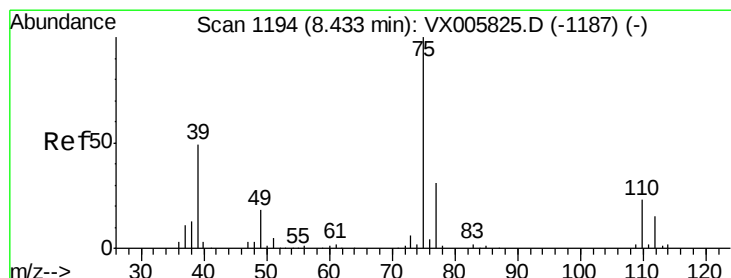
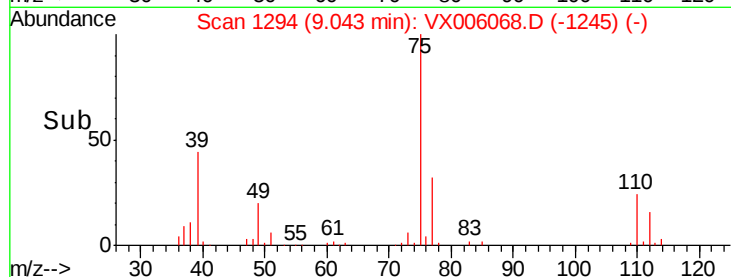
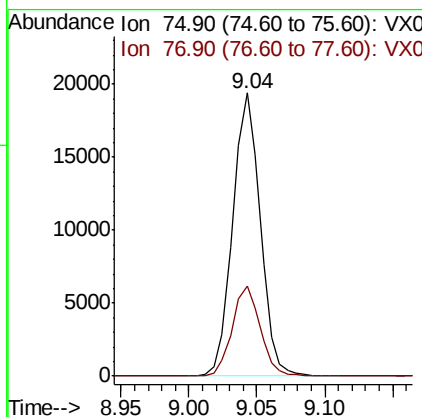
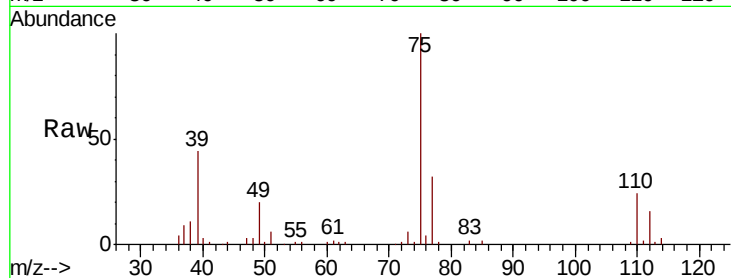




#53
 t-1,3-Dichloropropene
 Concen: 17.426 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

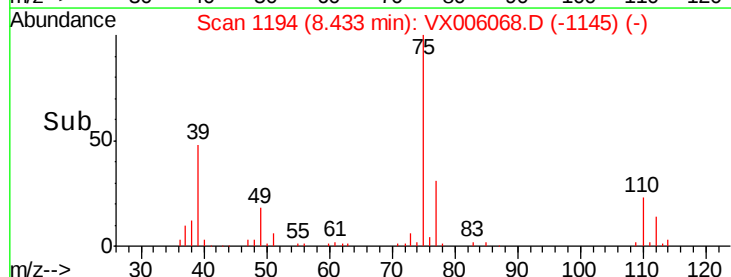
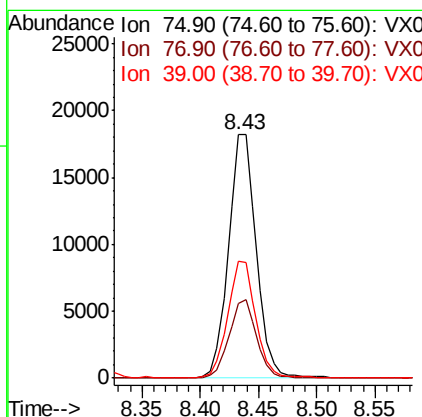
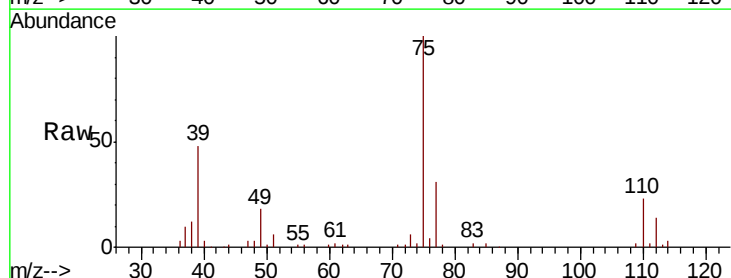
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

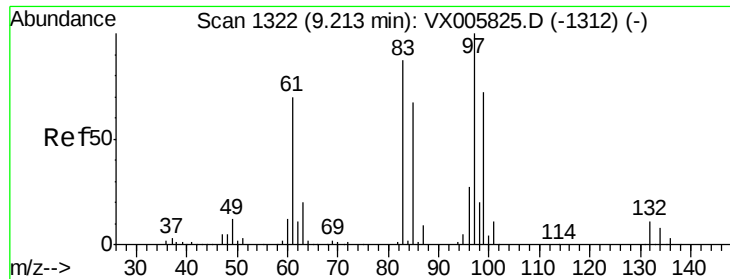
Tot Ion: 75 Resp: 27387
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.847 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion: 75 Resp: 30191
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.2 37.8
 39 47.9 38.2 57.2

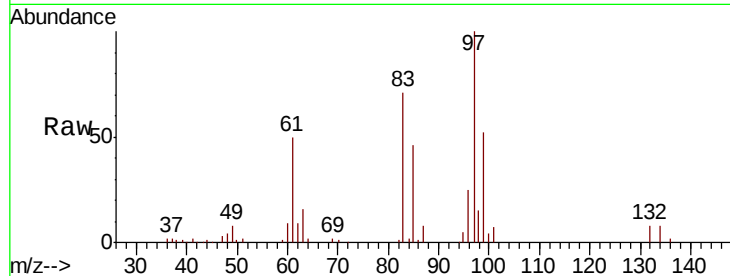




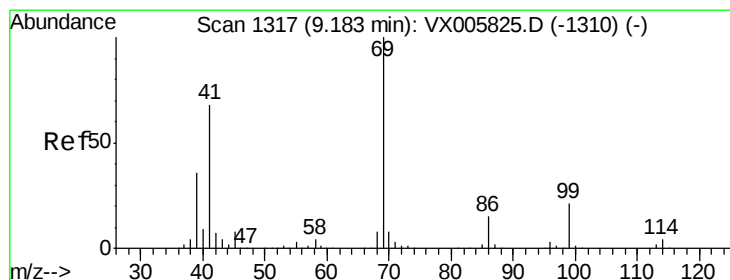
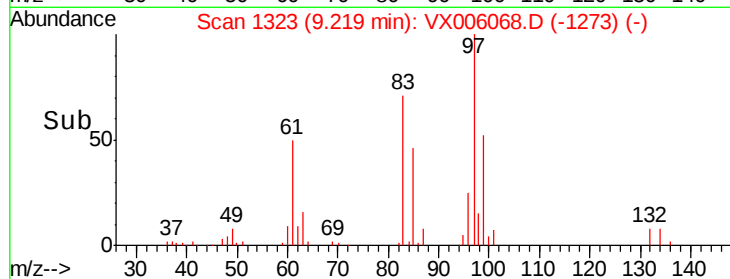
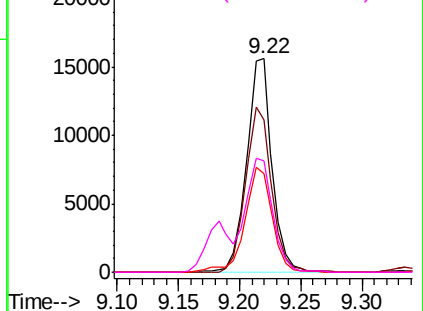
#55
 1,1,2-Trichloroethane
 Concen: 19.576 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tot Ion: 97 Resp: 22561
 Ion Ratio Lower Upper
 97 100
 83 71.4 70.7 106.1
 85 46.0 45.8 68.6
 99 52.3 51.8 77.8

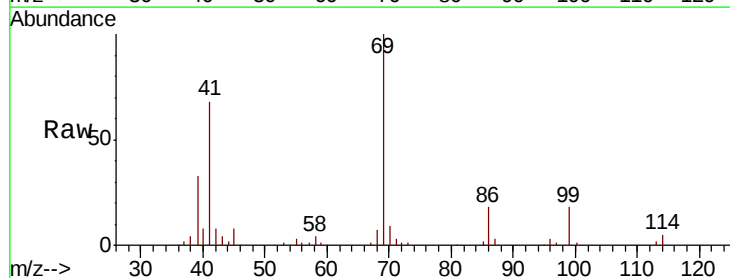


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

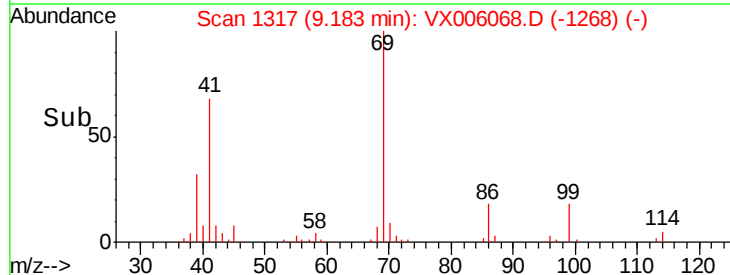
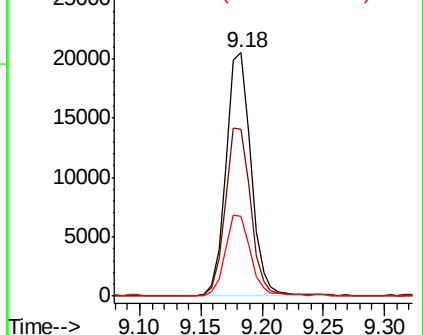


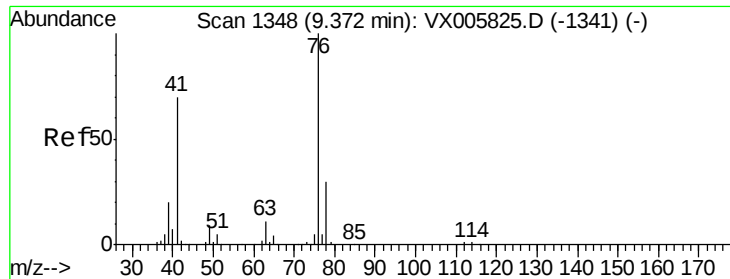
#56
 Ethyl methacrylate
 Concen: 16.854 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion: 69 Resp: 29063
 Ion Ratio Lower Upper
 69 100
 41 71.0 57.0 85.6
 39 34.5 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: 17.474 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

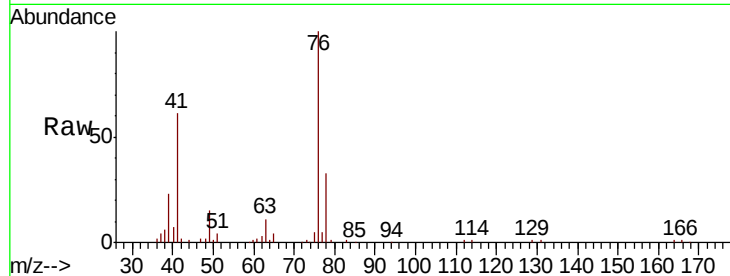
VX1117WBSD01

Tot Ion: 76 Resp: 33843

Ion Ratio Lower Upper

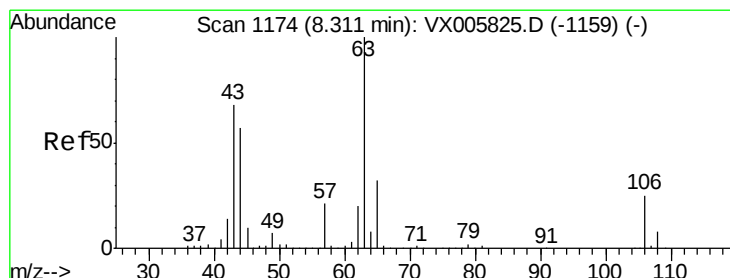
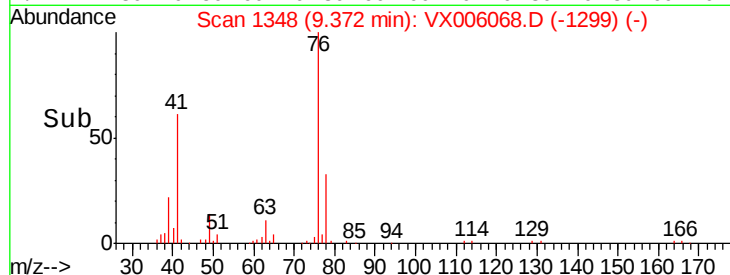
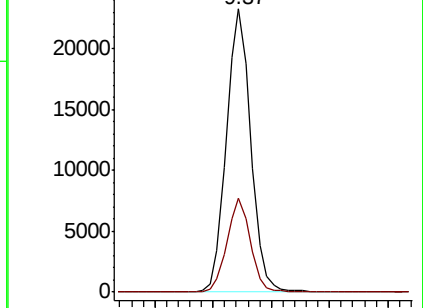
76 100

78 31.9 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: 95.788 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006068.D

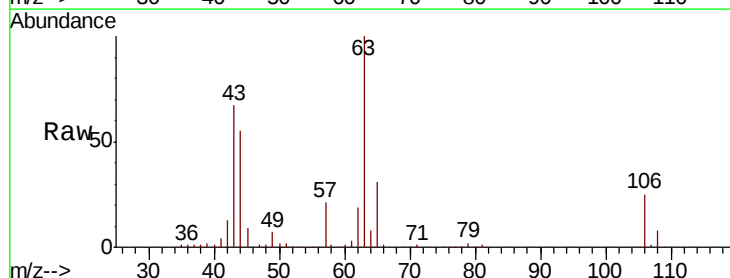
Acq: 17 Nov 2018 15:06

Tgt Ion: 63 Resp: 85042

Ion Ratio Lower Upper

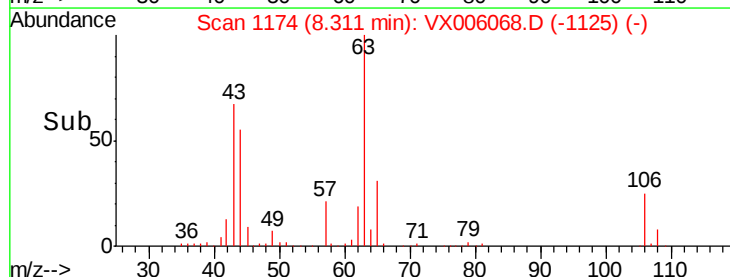
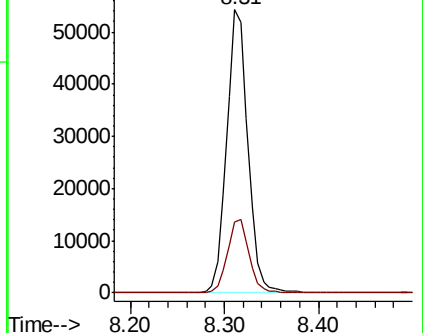
63 100

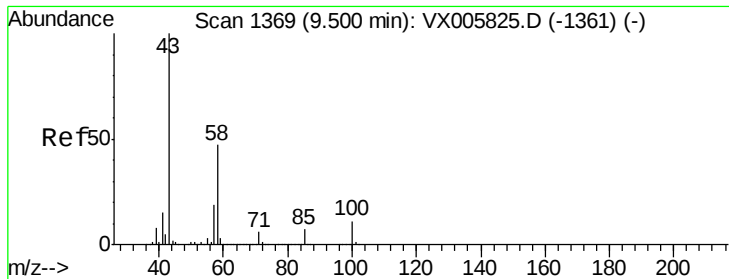
106 26.2 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

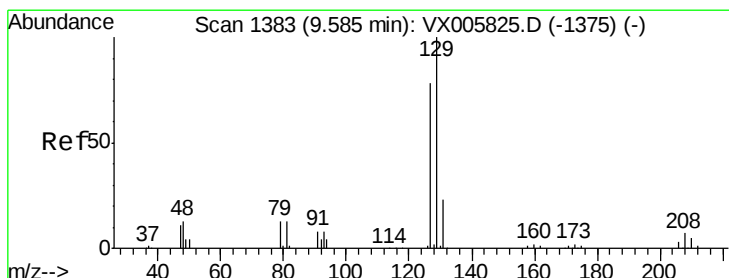
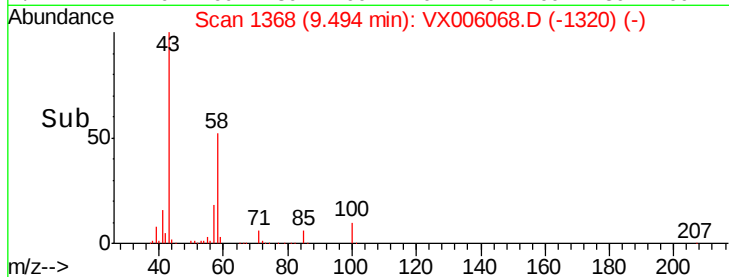
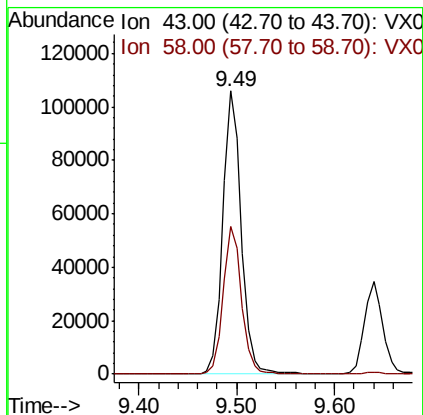
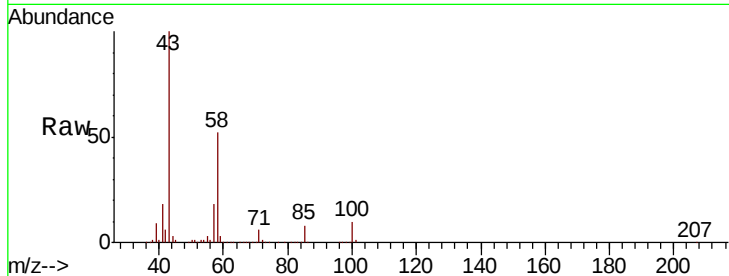




#59
2-Hexanone
Concen: 82.606 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

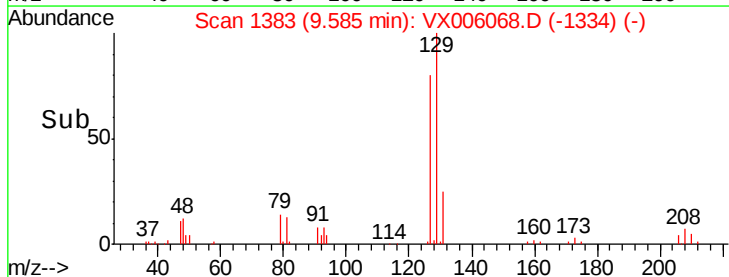
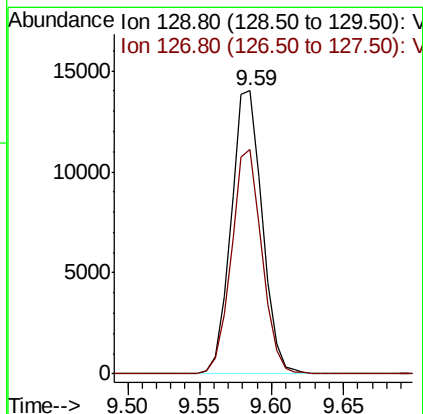
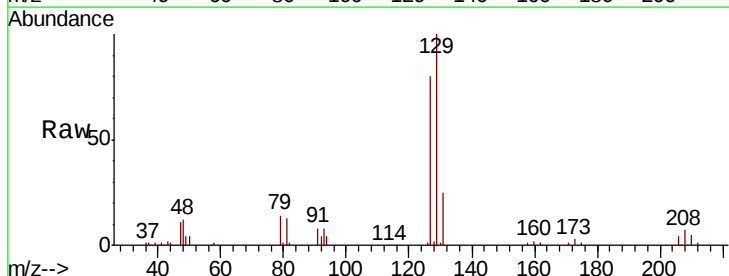
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

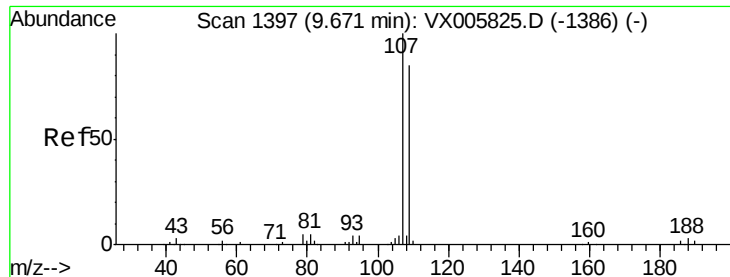
Tot Ion: 43 Resp: 138783
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.8



#60
Dibromochloromethane
Concen: 17.003 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 129 Resp: 21178
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 16.418 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

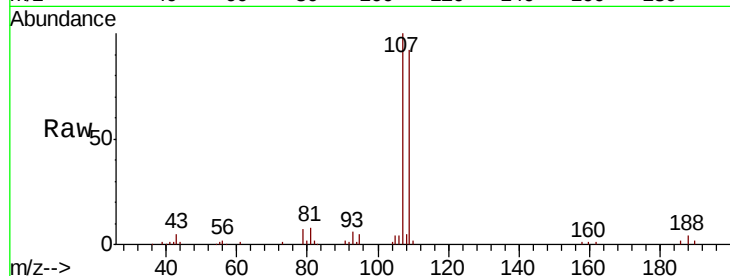
VX1117WBSD01

Tot Ion:107 Resp: 20922

Ion Ratio Lower Upper

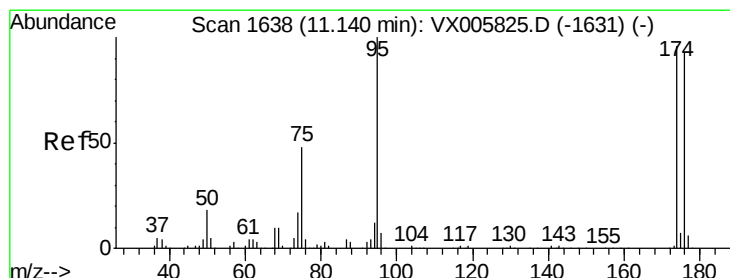
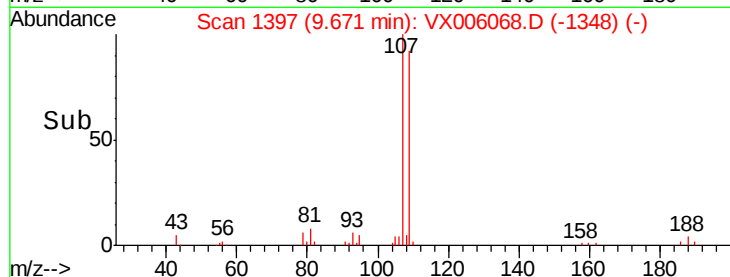
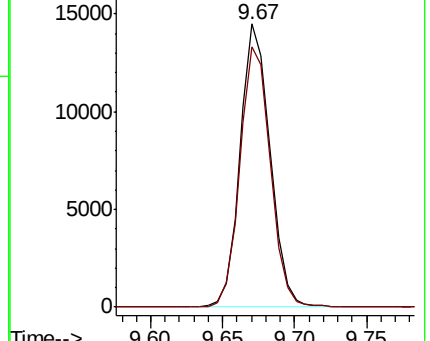
107 100

109 93.2 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: 48.708 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

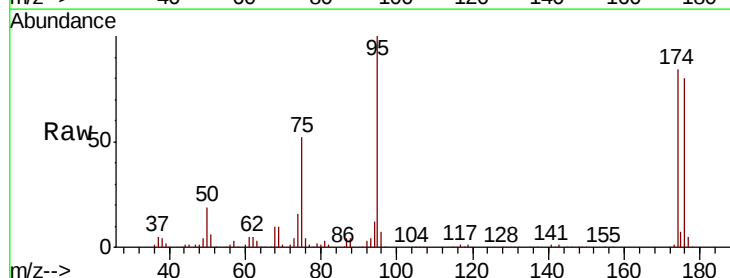
Tgt Ion: 95 Resp: 65194

Ion Ratio Lower Upper

95 100

174 92.0 0.0 184.4

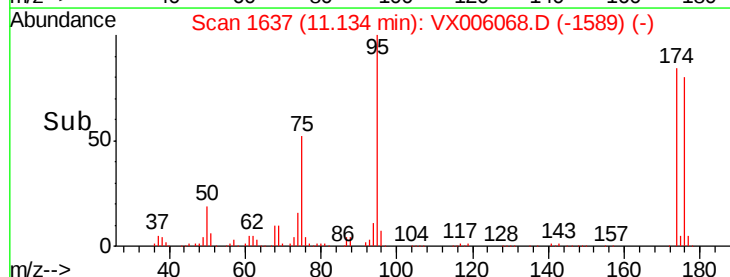
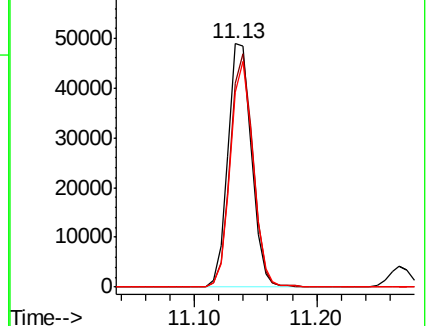
176 89.2 0.0 177.4

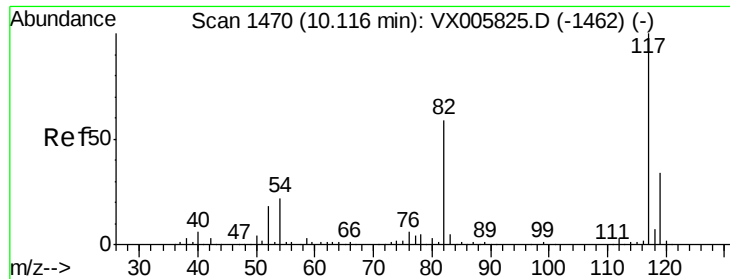


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

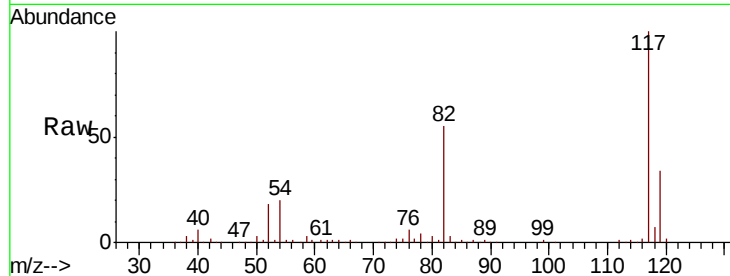




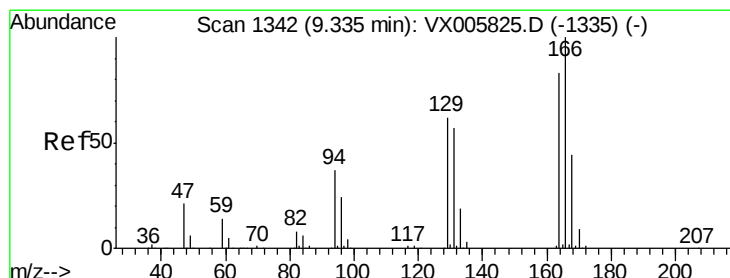
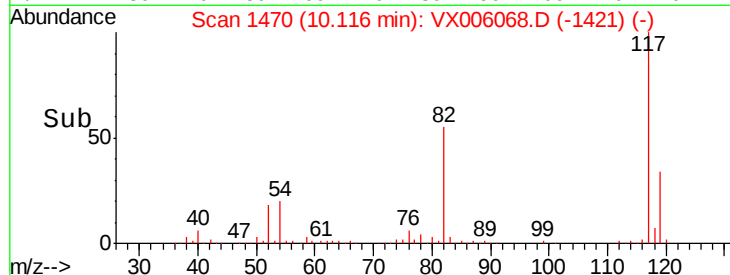
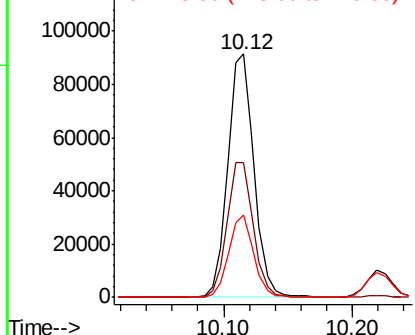
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

Tot Ion:117 Resp: 130176
Ion Ratio Lower Upper
117 100
82 55.4 44.1 66.1
119 33.9 26.2 39.2

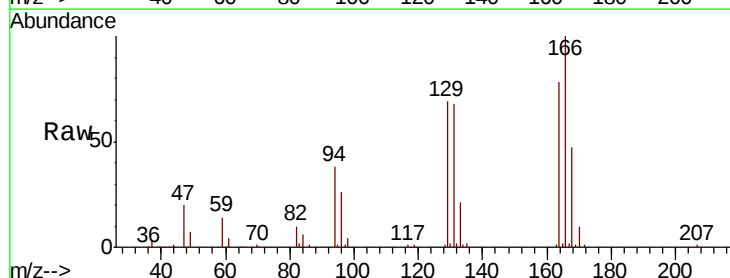


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

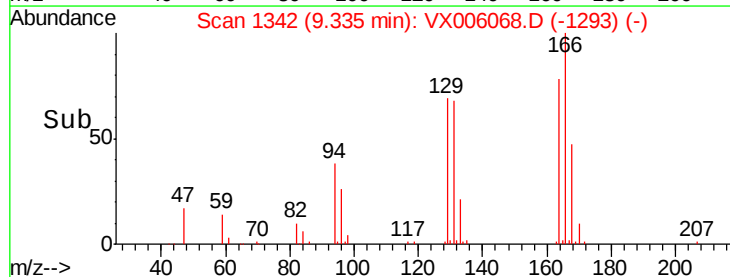
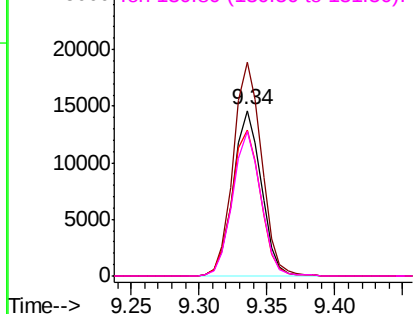


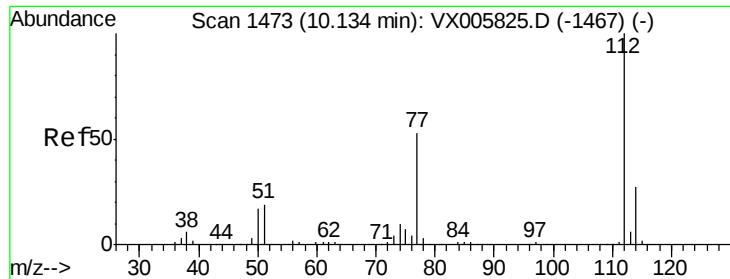
#64
Tetrachloroethene
Concen: 19.014 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion:164 Resp: 21074
Ion Ratio Lower Upper
164 100
166 128.9 101.9 152.9
129 88.5 72.6 109.0
131 87.7 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: 20.489 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

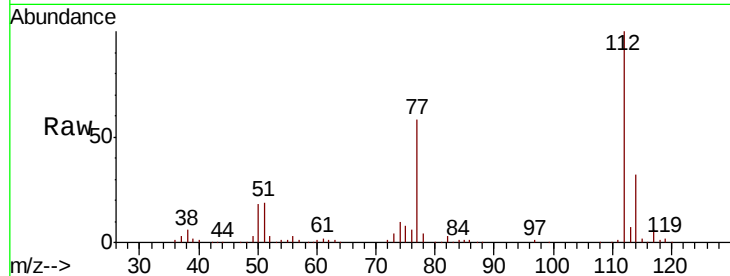
VX1117WBSD01

Tot Ion:112 Resp: 53433

Ion Ratio Lower Upper

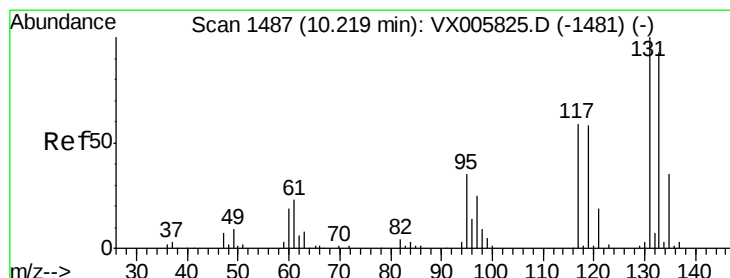
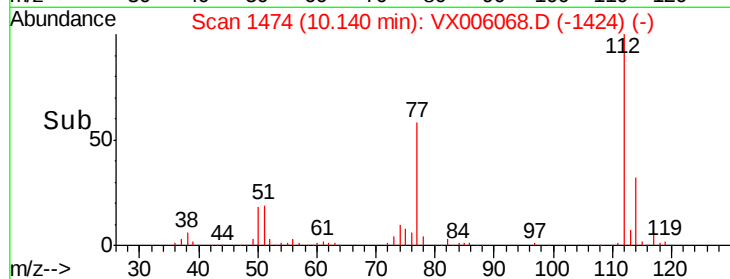
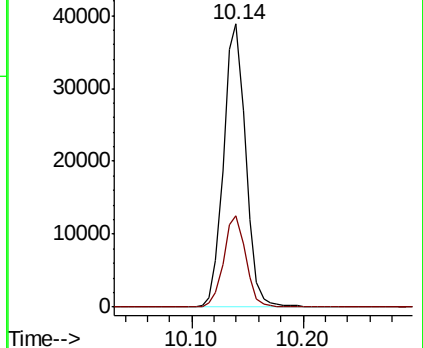
112 100

114 32.1 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.982 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

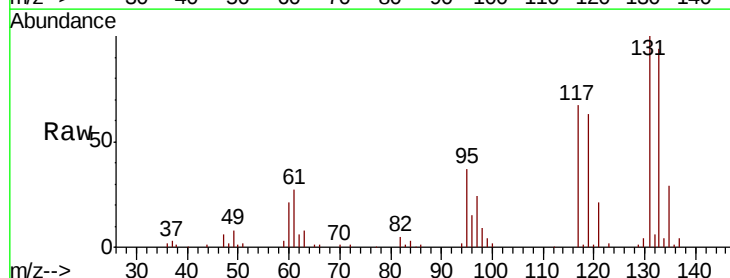
Tgt Ion:131 Resp: 19930

Ion Ratio Lower Upper

131 100

133 95.7 47.5 142.5

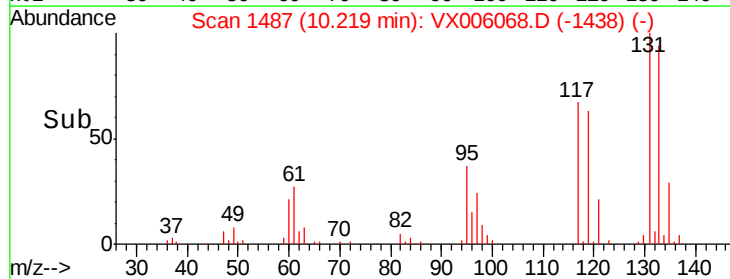
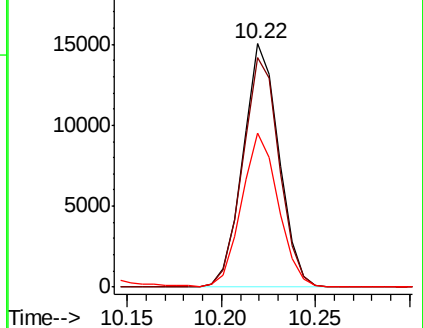
119 64.2 31.8 95.3

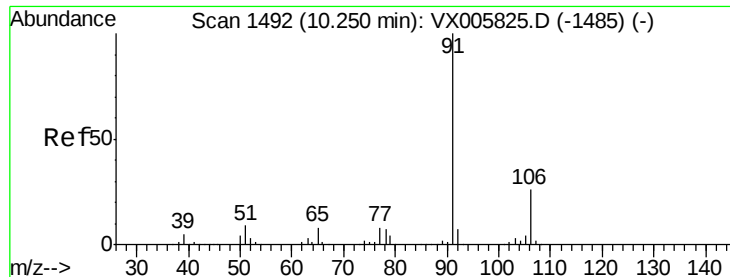


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

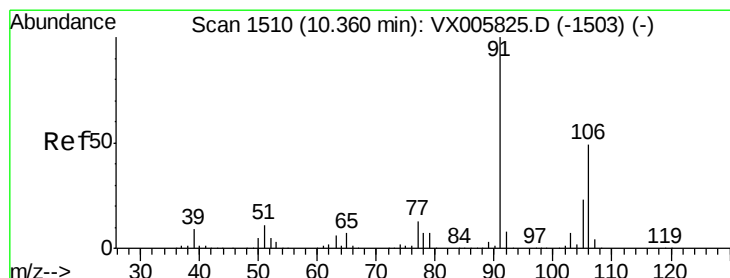
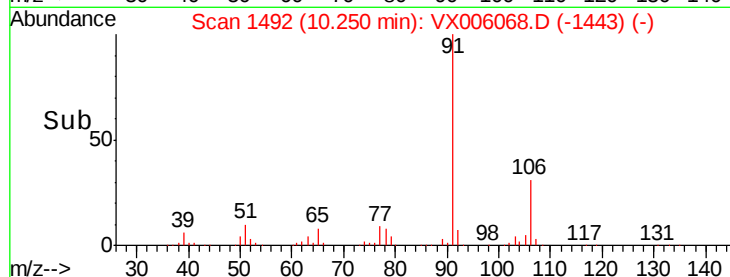
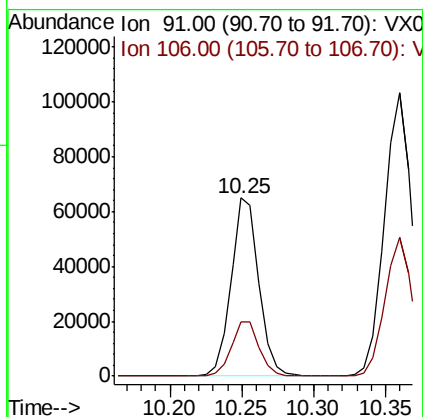
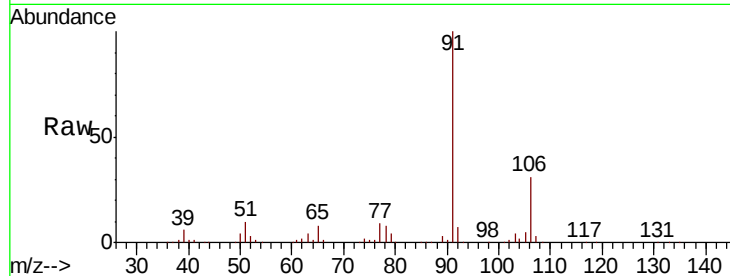




#67
Ethyl Benzene
Concen: 20.944 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

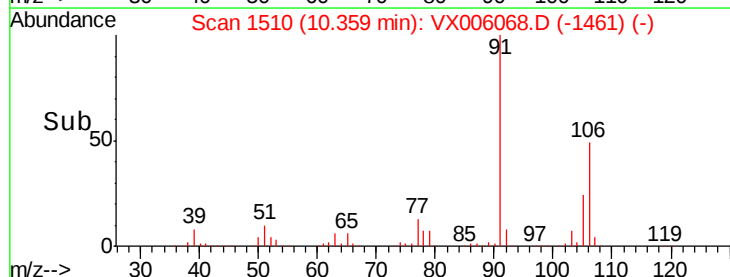
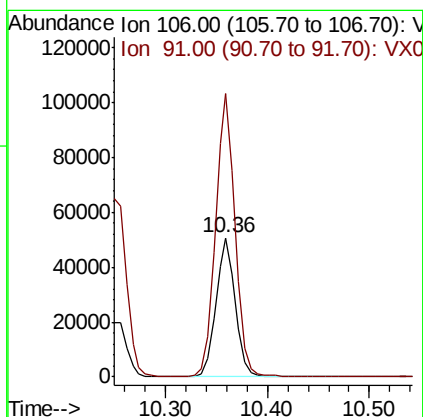
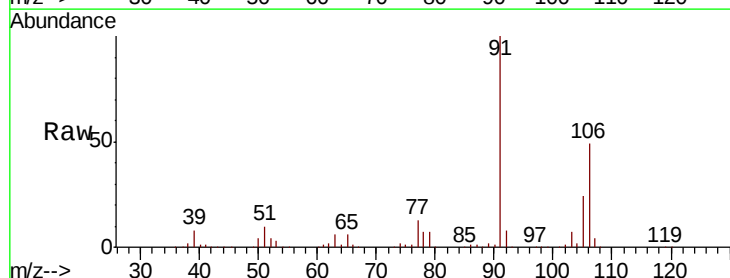
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

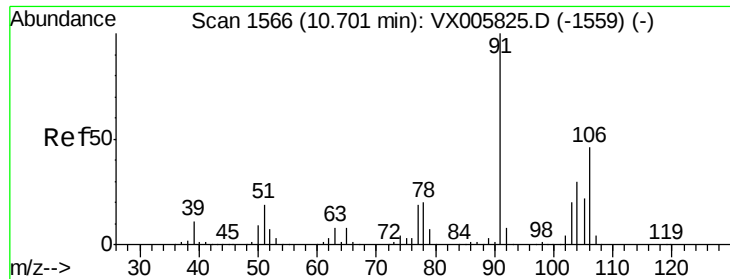
Tot Ion: 91 Resp: 87582
Ion Ratio Lower Upper
91 100
106 30.6 24.4 36.6



#68
m/p-Xylenes
Concen: 42.262 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion: 106 Resp: 67411
Ion Ratio Lower Upper
106 100
91 206.2 164.2 246.4

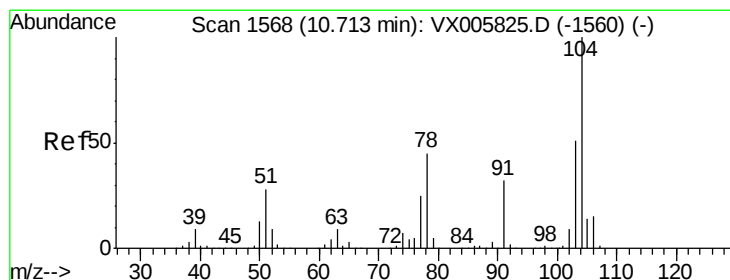
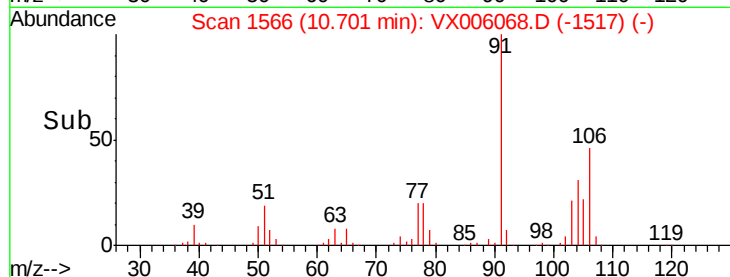
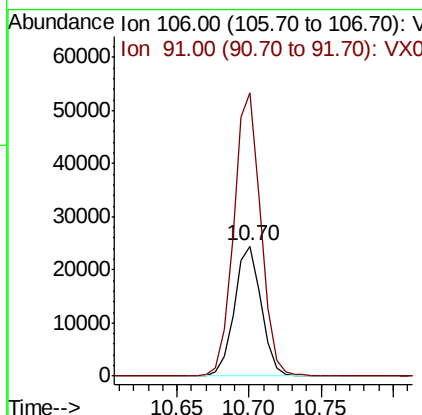
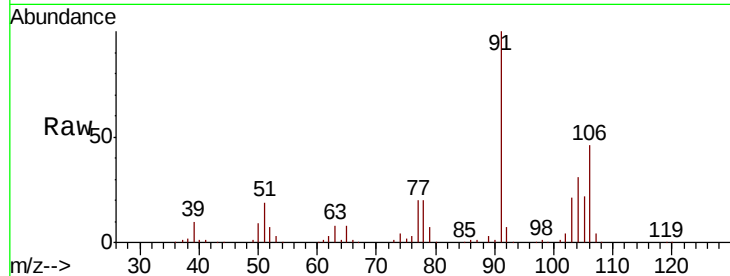




#69
o-Xylene
Concen: 22.176 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

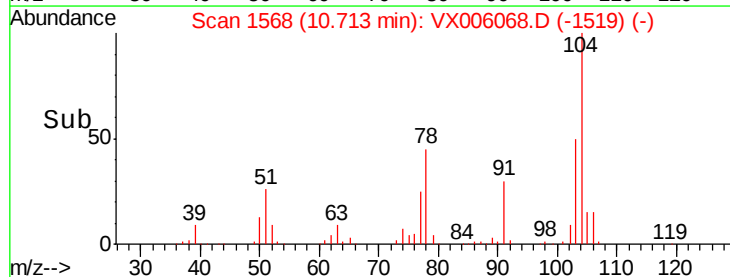
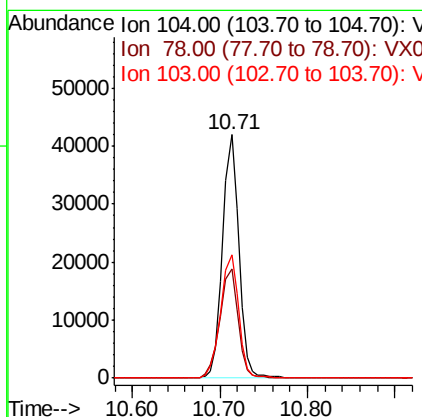
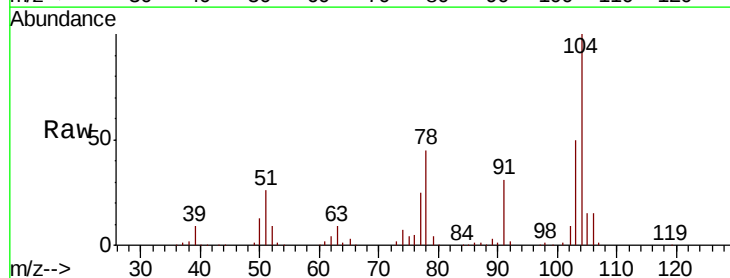
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBSD01

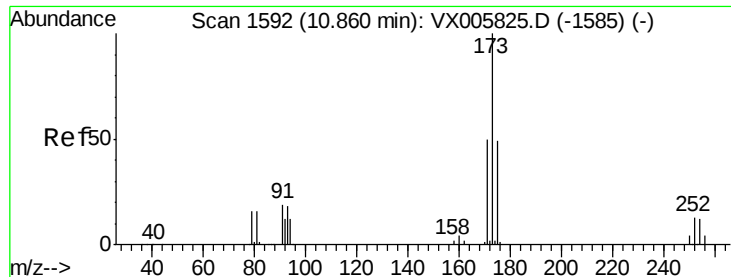
Tot Ion:106 Resp: 31718
Ion Ratio Lower Upper
106 100
91 220.4 108.5 325.5



#70
Styrene
Concen: 22.989 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006068.D
Acq: 17 Nov 2018 15:06

Tgt Ion:104 Resp: 54243
Ion Ratio Lower Upper
104 100
78 50.5 40.2 60.4
103 56.0 44.9 67.3





#71

Bromoform

Concen: 22.926 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

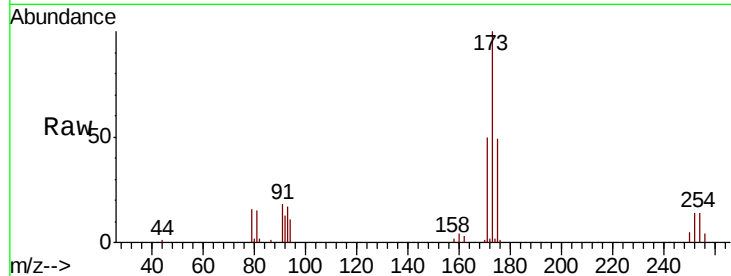
Tot Ion:173 Resp: 17424

Ion Ratio Lower Upper

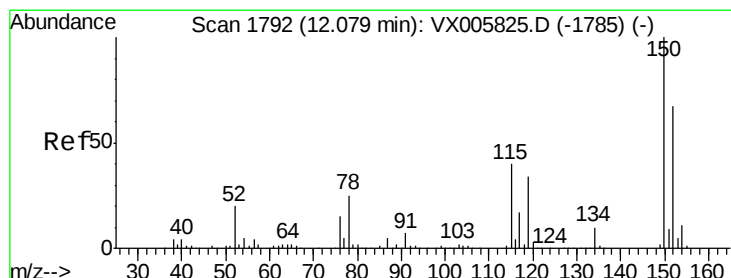
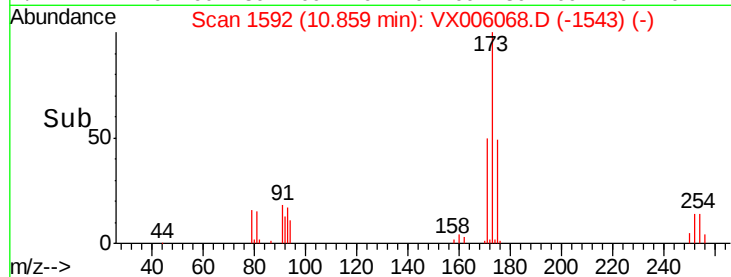
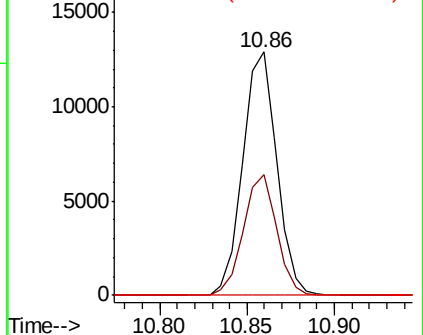
173 100

175 48.4 24.8 74.3

254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

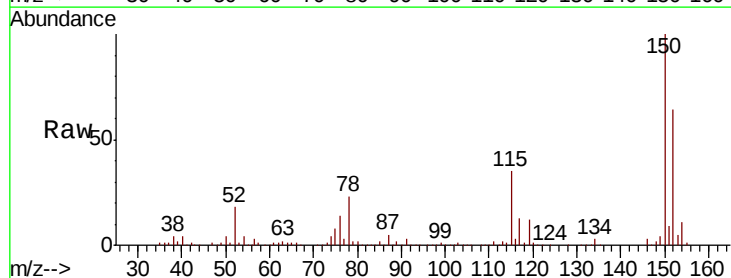
Tgt Ion:152 Resp: 96384

Ion Ratio Lower Upper

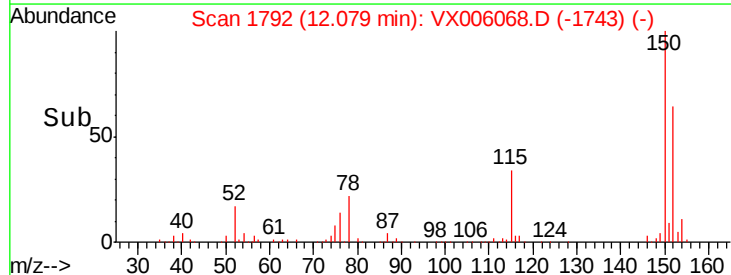
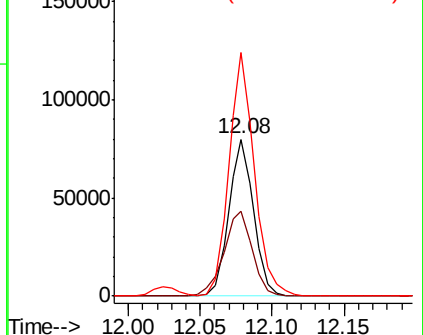
152 100

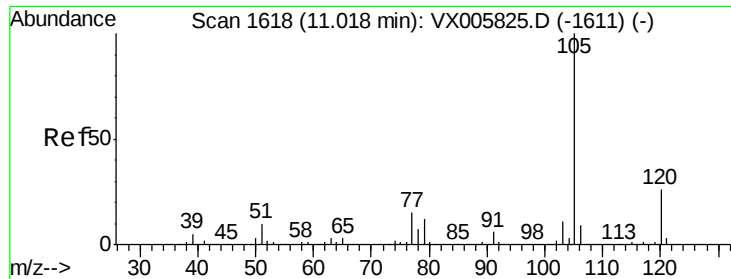
115 62.3 39.4 118.1

150 159.5 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: 16.129 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

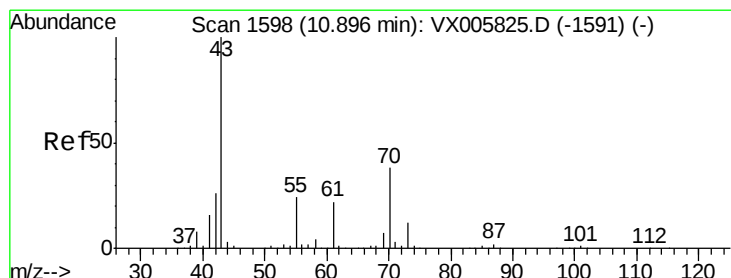
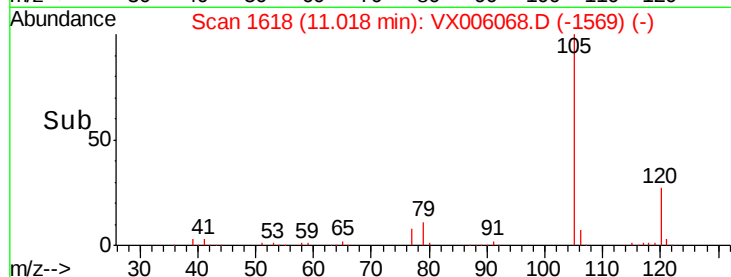
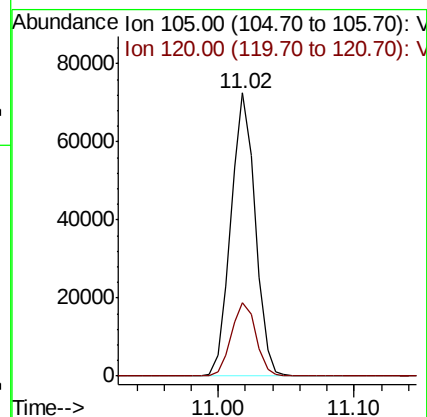
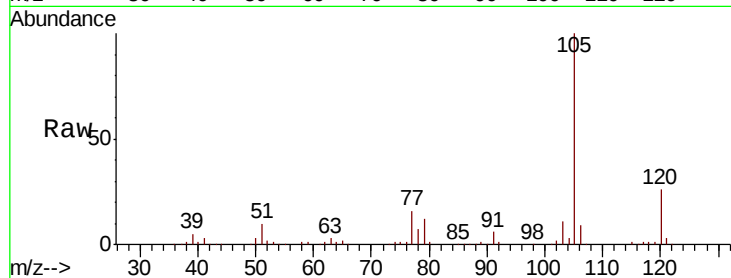
VX1117WBSD01

Tot Ion: 105 Resp: 89900

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3



#74

N-ethyl acetate

Concen: 14.464 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion: 43 Resp: 42382

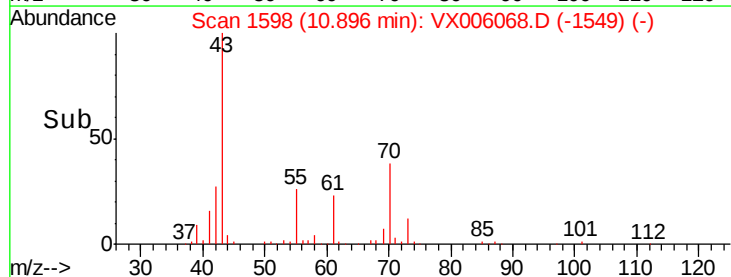
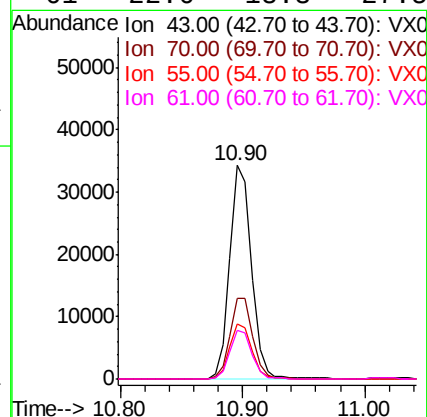
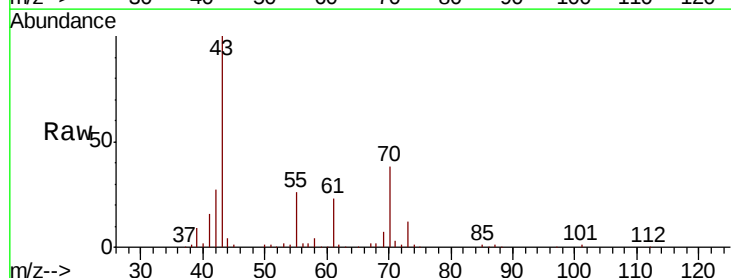
Ion Ratio Lower Upper

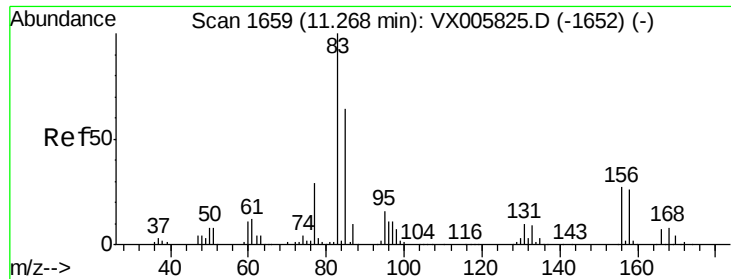
43 100

70 39.5 31.6 47.4

55 26.3 19.7 29.5

61 22.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 16.012 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

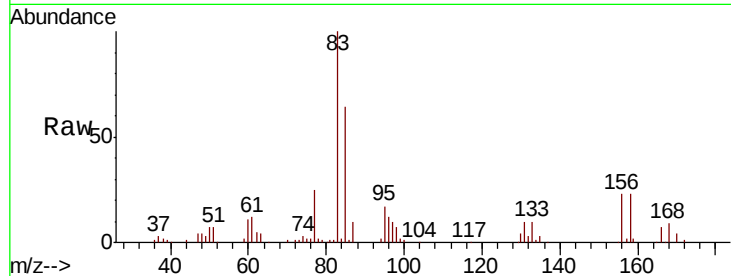
Tot Ion: 83 Resp: 32758

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

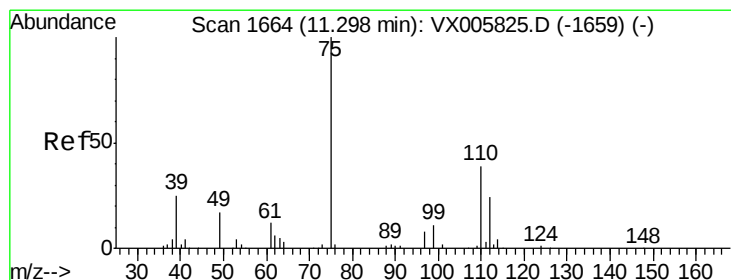
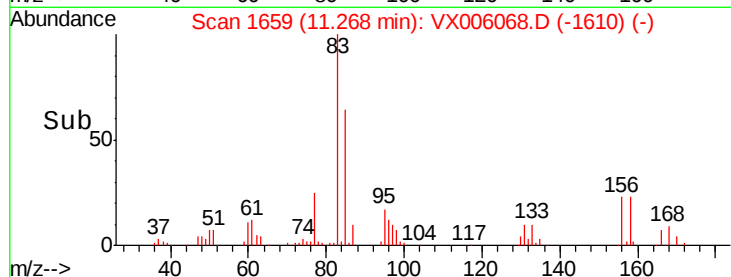
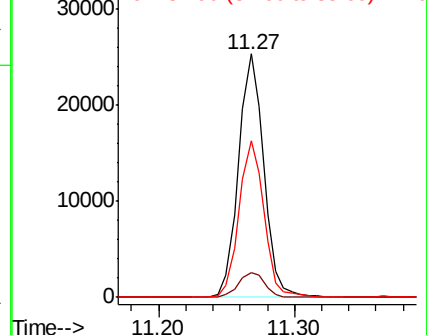
85 64.0 32.0 96.2



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: 19.941 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006068.D

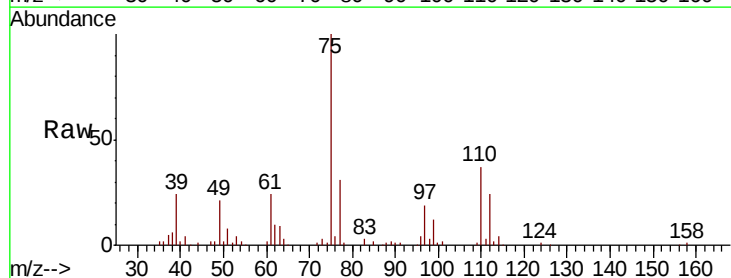
Acq: 17 Nov 2018 15:06

Tgt Ion: 75 Resp: 39135

Ion Ratio Lower Upper

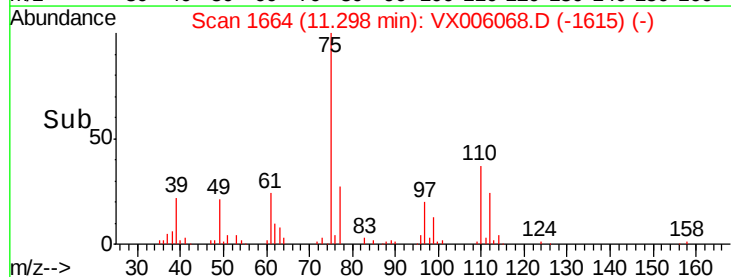
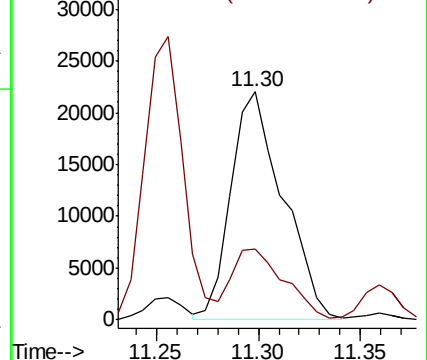
75 100

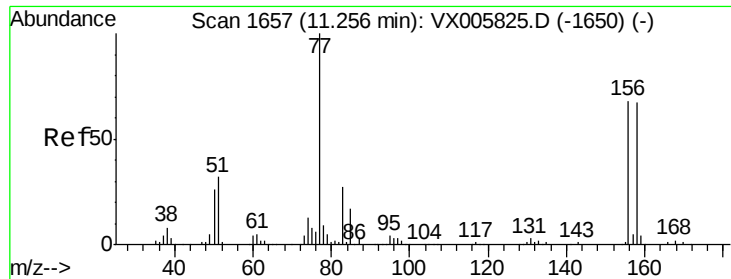
77 31.1 20.5 61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 15.576 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

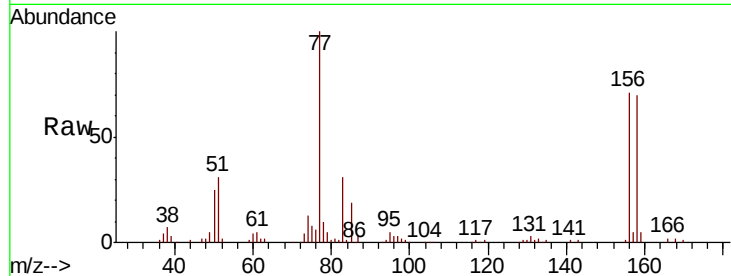
Tot Ion:156 Resp: 24471

Ion Ratio Lower Upper

156 100

77 147.9 74.8 224.4

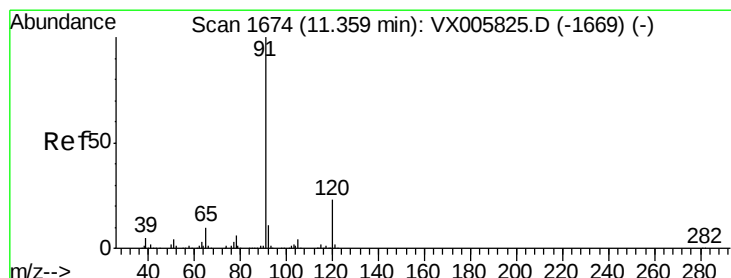
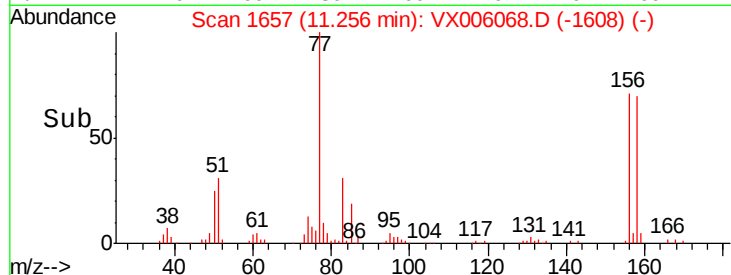
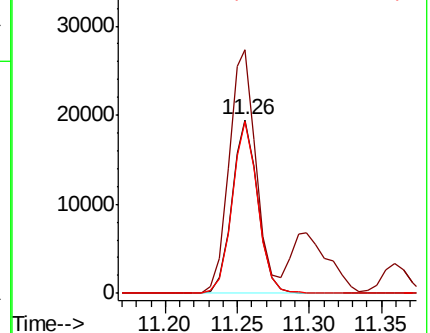
158 98.9 49.1 147.3



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: 15.735 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006068.D

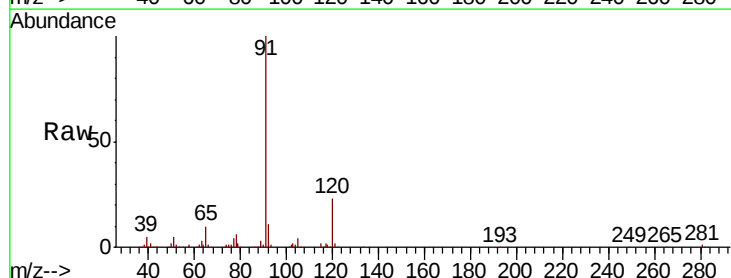
Acq: 17 Nov 2018 15:06

Tgt Ion: 91 Resp: 103358

Ion Ratio Lower Upper

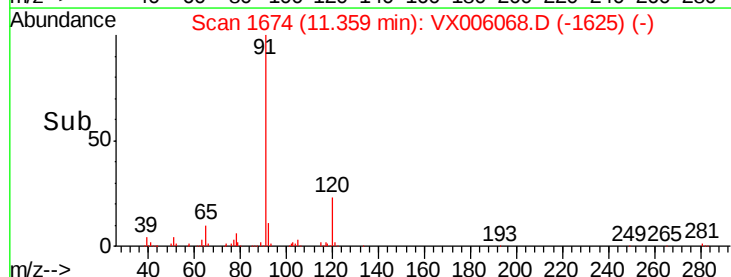
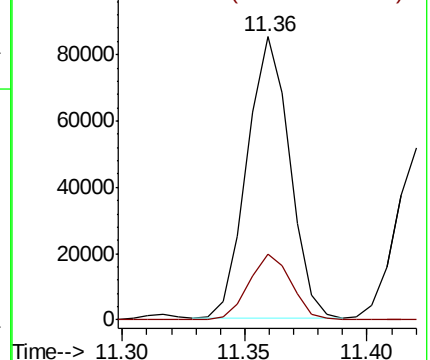
91 100

120 23.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

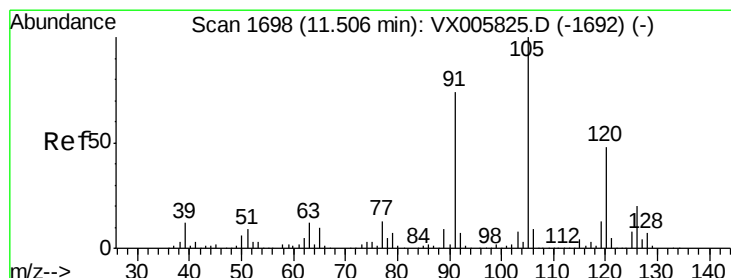
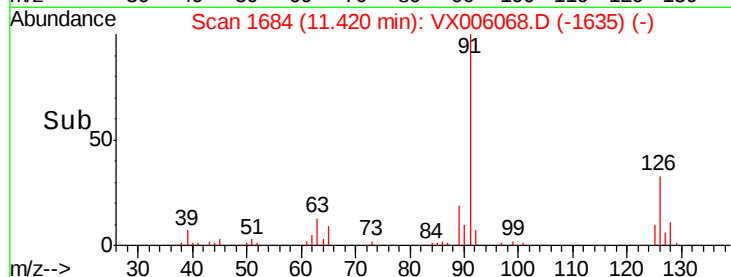
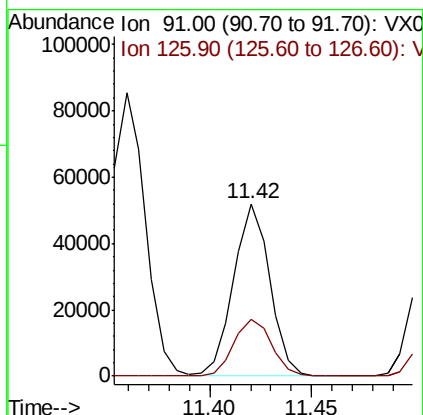
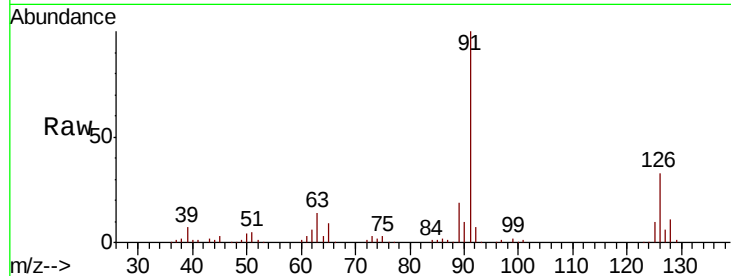




#79
 2-Chlorotoluene
 Concen: 16.004 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

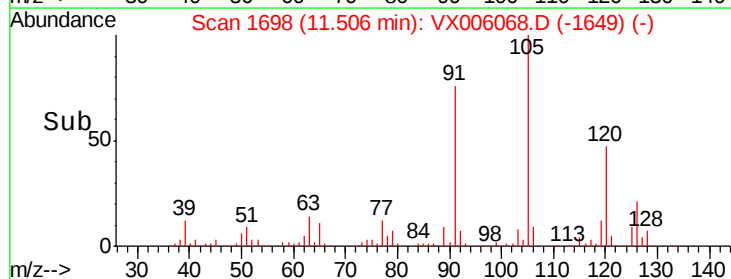
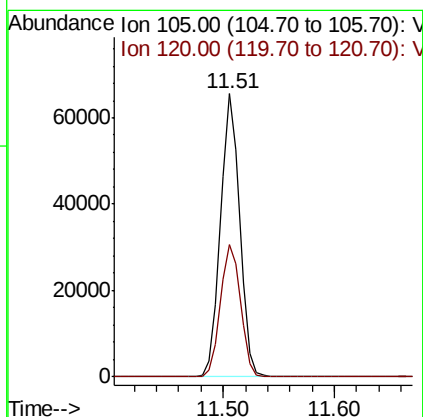
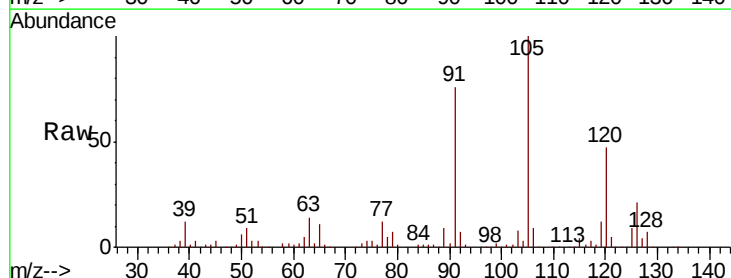
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

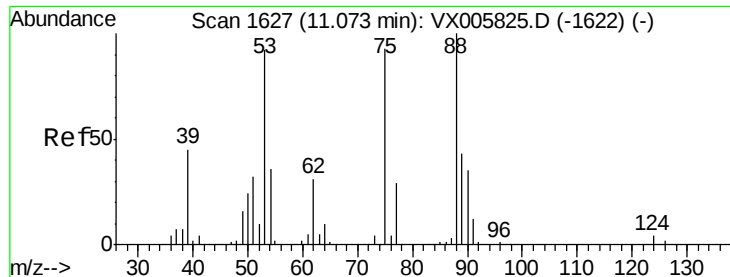
Tot Ion: 91 Resp: 63543
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 16.572 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion: 105 Resp: 78493
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 15.561 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

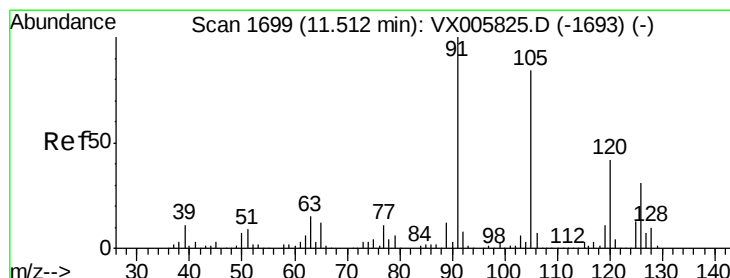
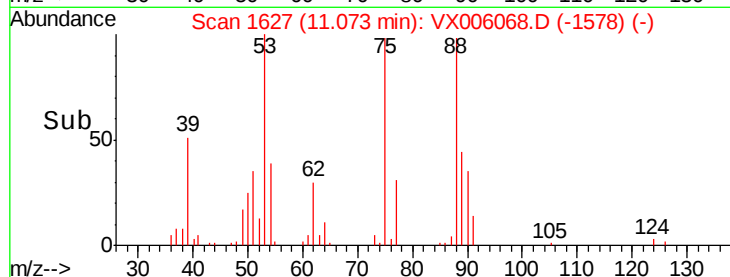
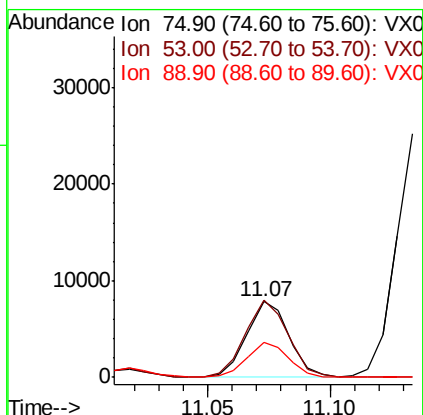
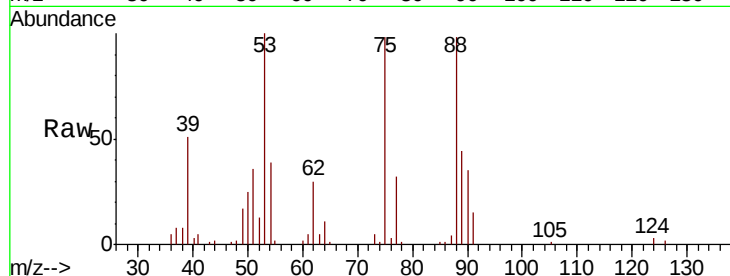
Tot Ion: 75 Resp: 9582

Ion Ratio Lower Upper

75 100

53 101.7 80.2 120.2

89 44.6 39.8 59.8



#82

4-Chlorotoluene

Concen: 16.560 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006068.D

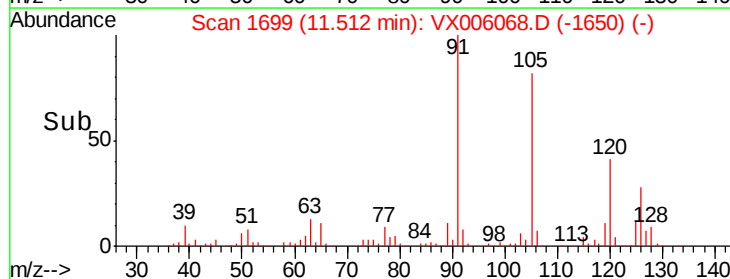
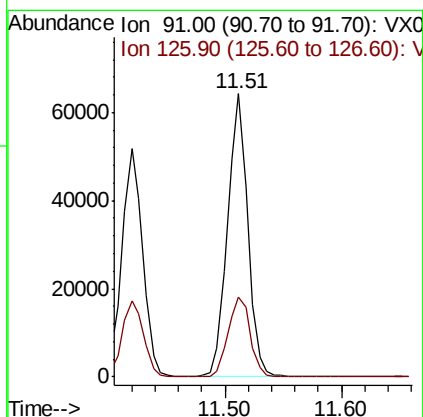
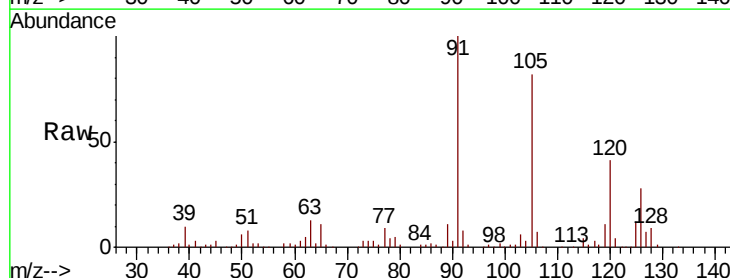
Acq: 17 Nov 2018 15:06

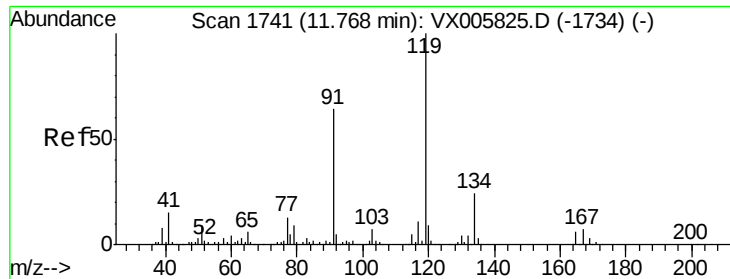
Tgt Ion: 91 Resp: 77489

Ion Ratio Lower Upper

91 100

126 31.0 15.2 45.6

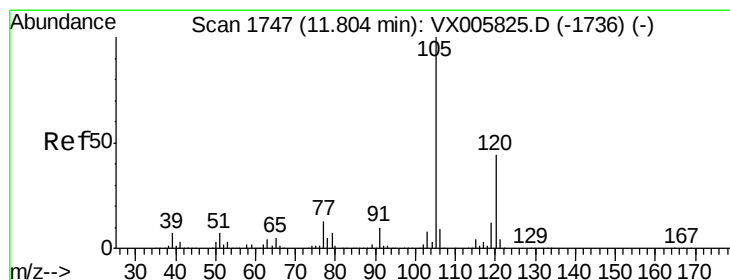
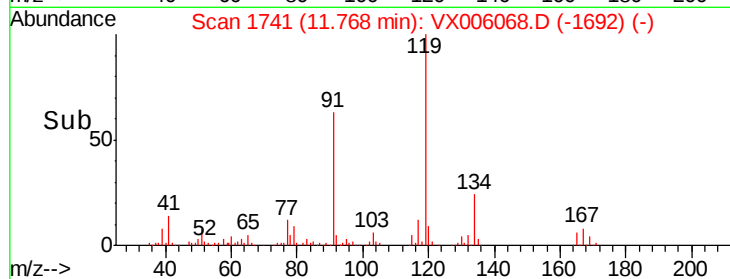
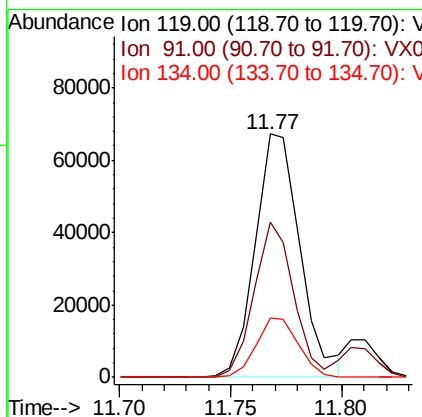
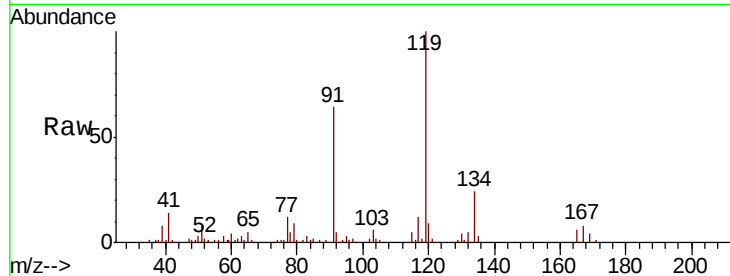




#83
 tert-Butylbenzene
 Concen: 19.650 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

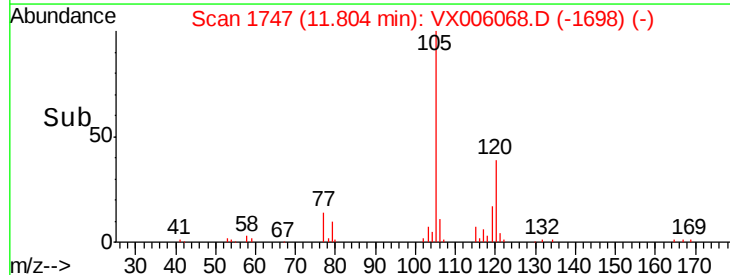
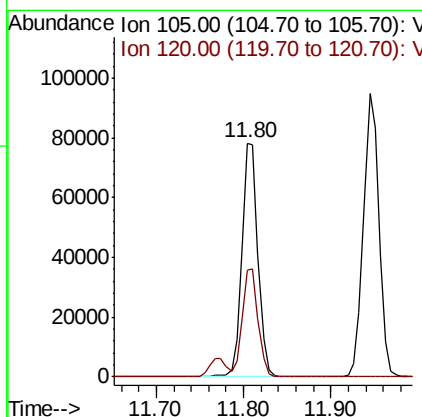
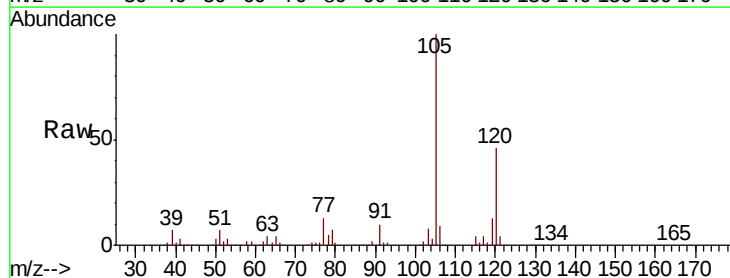
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tot Ion:119 Resp: 94160
 Ion Ratio Lower Upper
 119 100
 91 56.4 28.5 85.5
 134 23.1 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.170 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion:105 Resp: 100593
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.4 67.0





#85

sec-Butylbenzene

Concen: 20.217 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

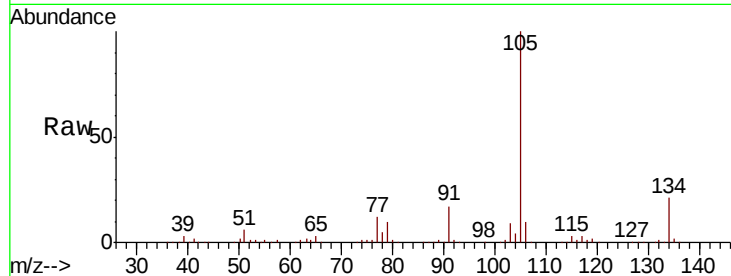
VX1117WBSD01

Tot Ion:105 Resp: 118469

Ion Ratio Lower Upper

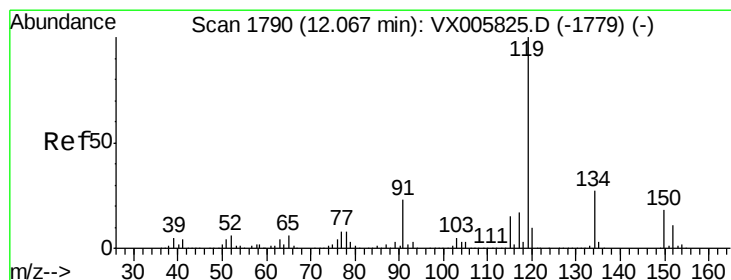
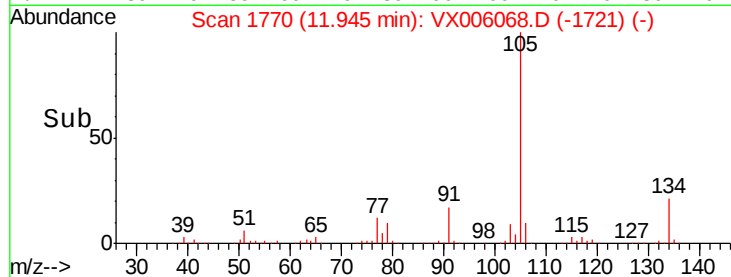
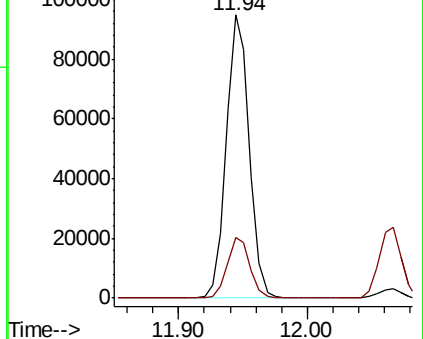
105 100

134 21.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.517 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

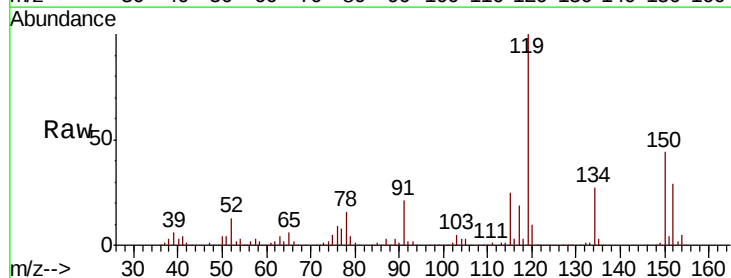
Tgt Ion:119 Resp: 106492

Ion Ratio Lower Upper

119 100

134 26.8 13.0 39.0

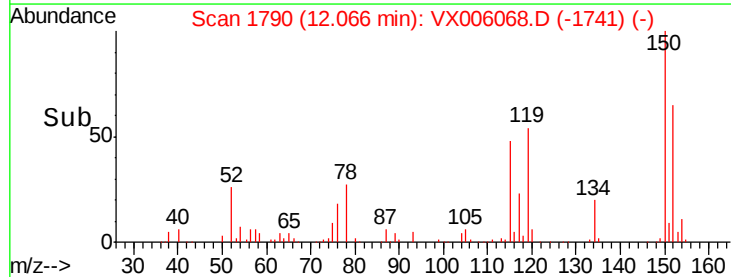
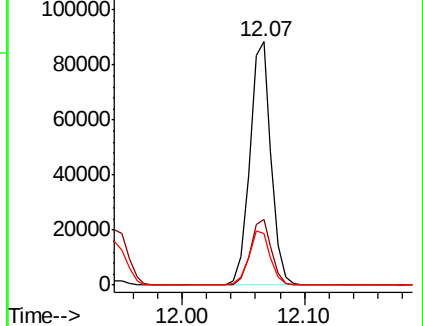
91 22.6 11.4 34.2

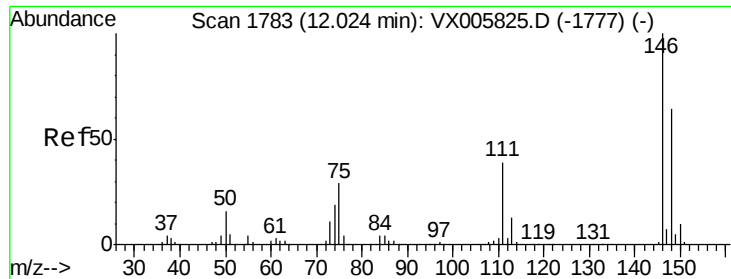


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

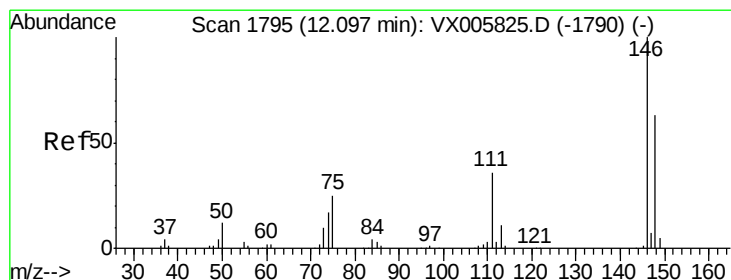
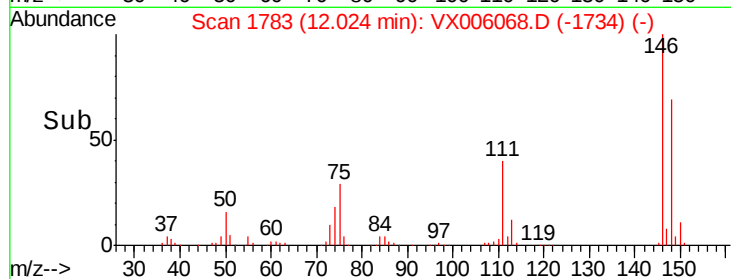
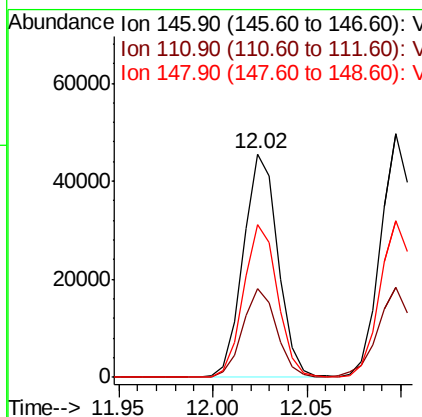
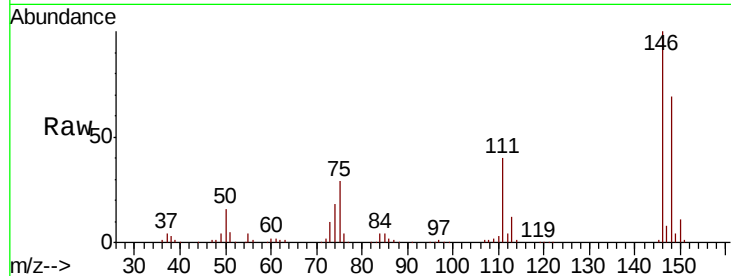




#87
 1,3-Dichlorobenzene
 Concen: 19.283 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

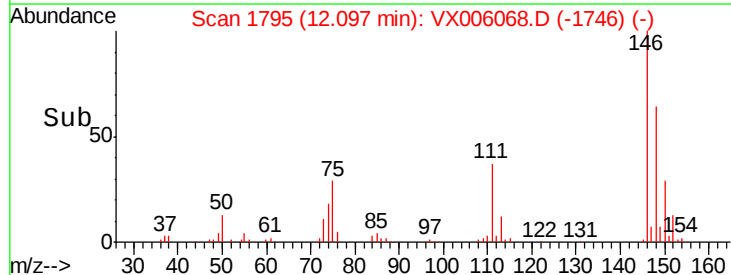
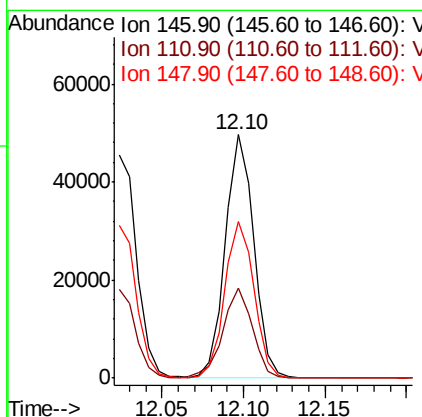
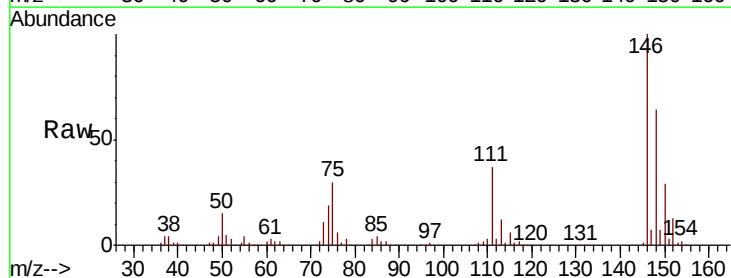
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

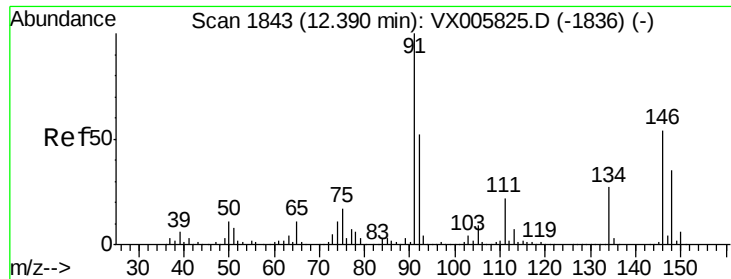
Tot Ion:146 Resp: 58139
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.0 57.0
 148 67.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 19.605 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion:146 Resp: 60511
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.6 55.8
 148 65.9 32.1 96.3





#89

n-Butylbenzene

Concen: 18.501 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBSD01

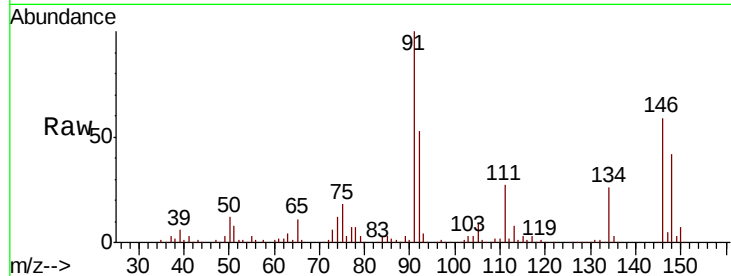
Tot Ion: 91 Resp: 88997

Ion Ratio Lower Upper

91 100

92 51.5 26.1 78.2

134 26.0 13.1 39.3

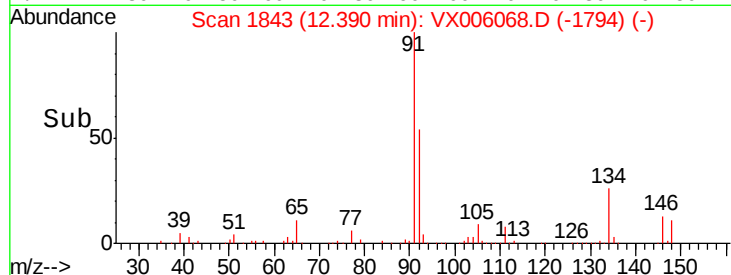


Abundance Ion 91.00 (90.70 to 91.70): VX005825.D (-1836) (-)

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

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

Time-->

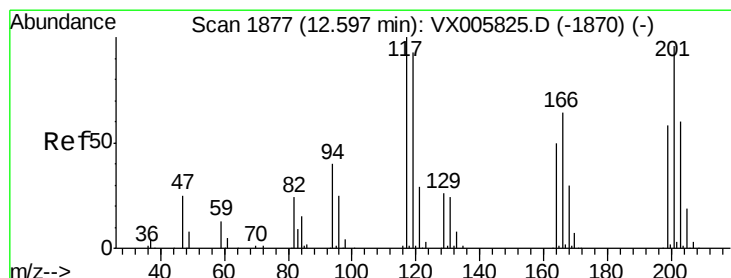


Abundance Ion 91.00 (90.70 to 91.70): VX006068.D (-1794) (-)

Ion 92.00 (91.70 to 92.70): VX006068.D (-1794) (-)

Ion 134.00 (133.70 to 134.70): VX006068.D (-1794) (-)

Time-->



#90

Hexachloroethane

Concen: 19.224 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VX006068.D

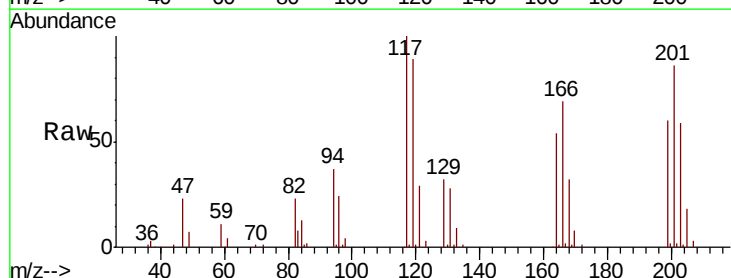
Acq: 17 Nov 2018 15:06

Tgt Ion: 117 Resp: 16659

Ion Ratio Lower Upper

117 100

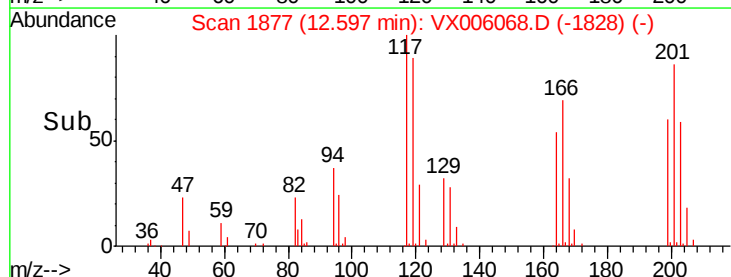
201 92.9 47.9 143.6



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

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

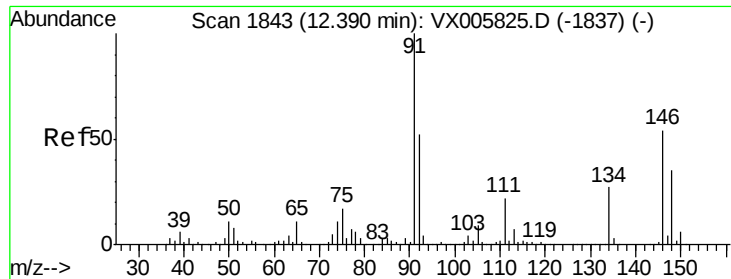
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VX006068.D (-1828) (-)

Ion 200.70 (200.40 to 201.40): VX006068.D (-1828) (-)

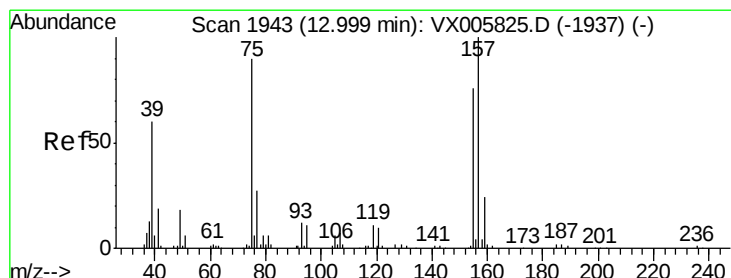
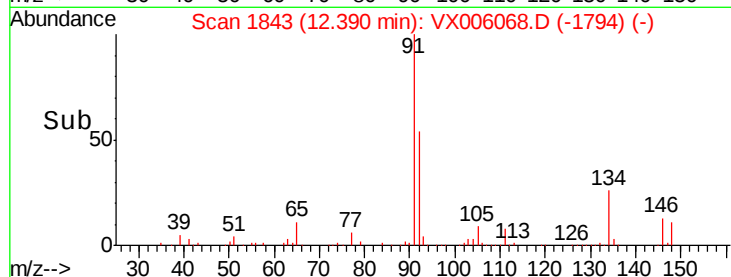
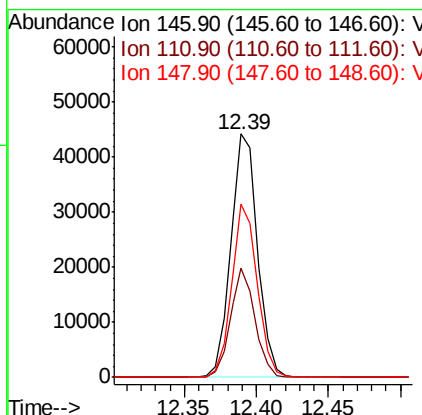
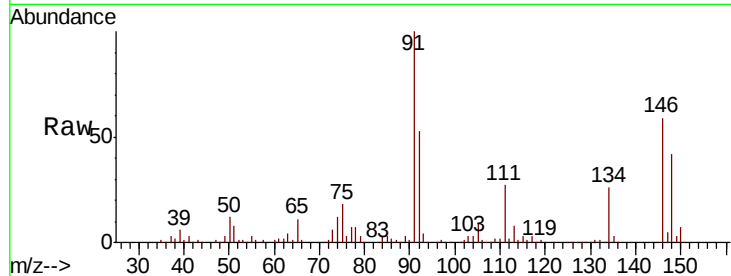
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 19.043 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

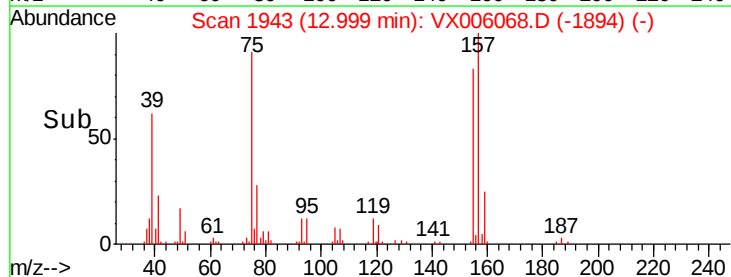
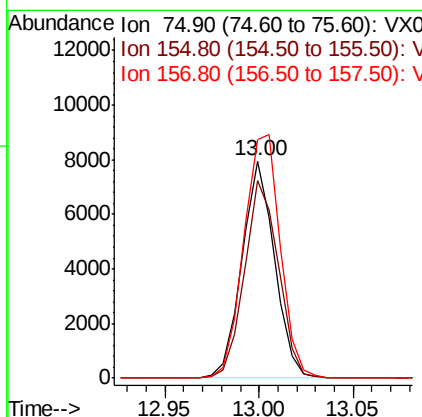
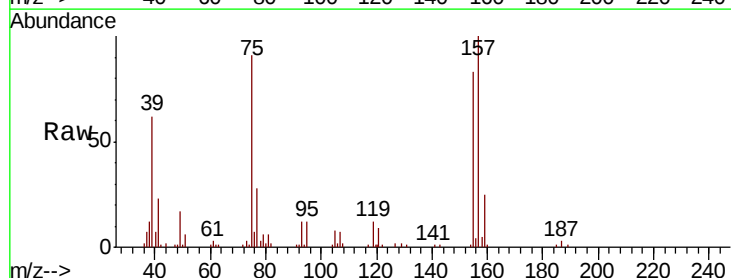
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

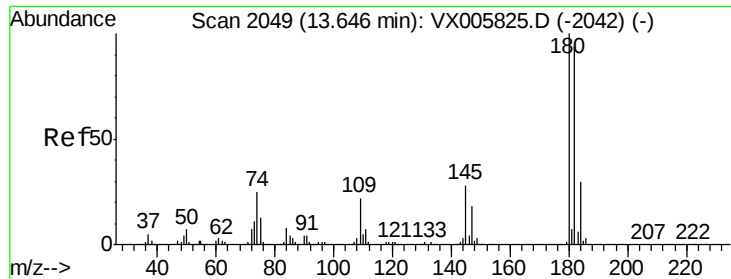
Tot Ion:146 Resp: 57516
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.0 59.9
 148 68.2 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.139 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion: 75 Resp: 9555
 Ion Ratio Lower Upper
 75 100
 155 94.3 45.4 136.1
 157 124.8 57.4 172.0

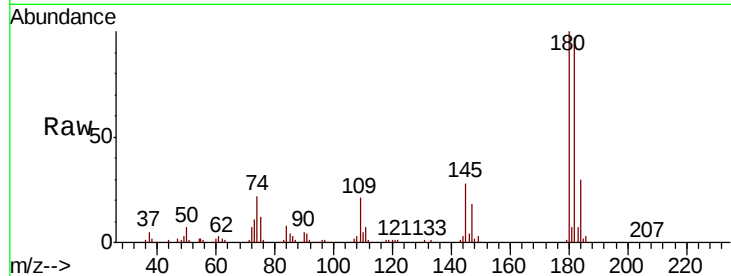




#93
 1,2,4-Trichlorobenzene
 Concen: 20.203 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.6	142.8
145	27.9	14.1	42.2

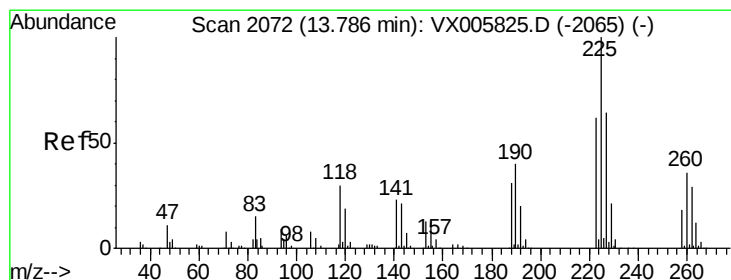
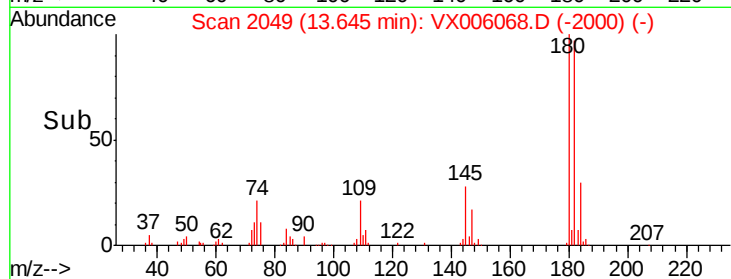
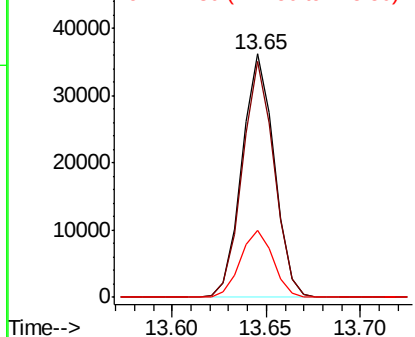


Abundance

Ion 179.80 (179.50 to 180.50): V

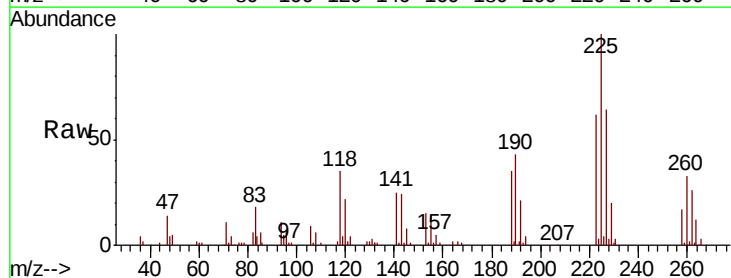
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.829 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006068.D
 Acq: 17 Nov 2018 15:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.7	95.1
227	64.2	32.3	96.9

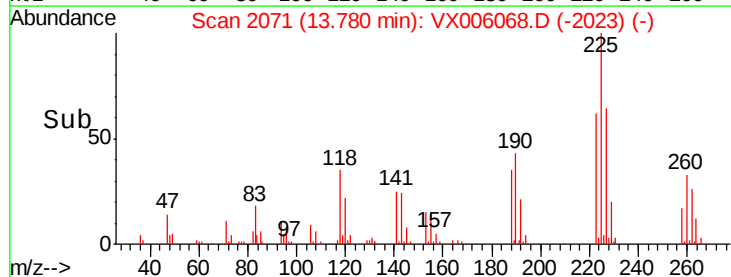
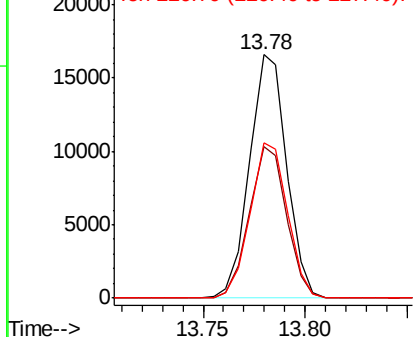


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.744 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Instrument :

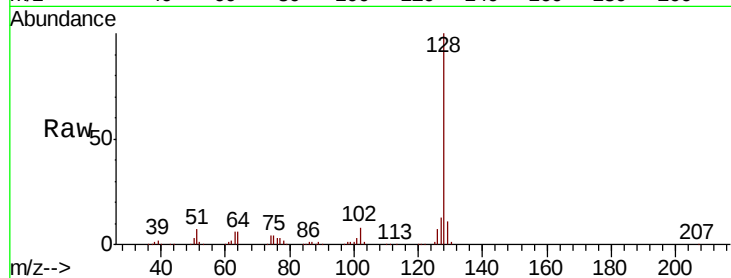
MSVOA_X

ClientSampleId :

VX1117WBSD01

Tot Ion:128 Resp: 131850

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.7	13.1

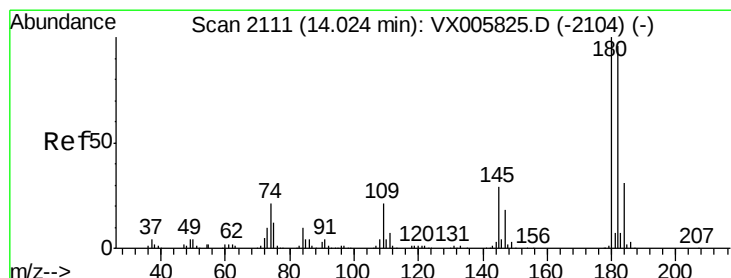
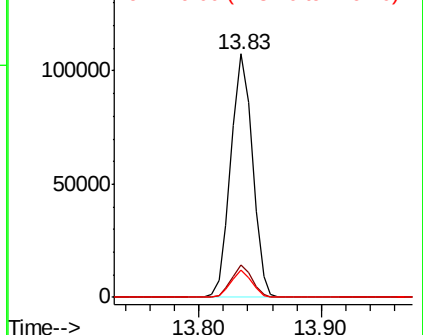
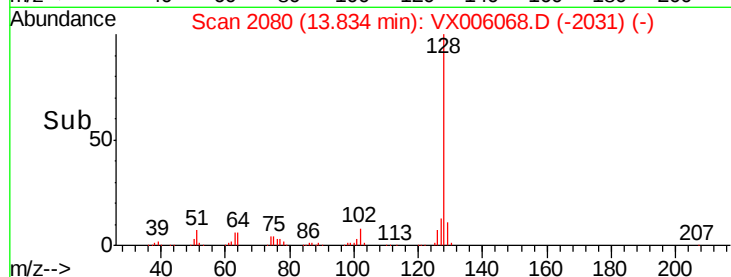


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.738 ug/l

RT: 14.02 min Scan# 2110

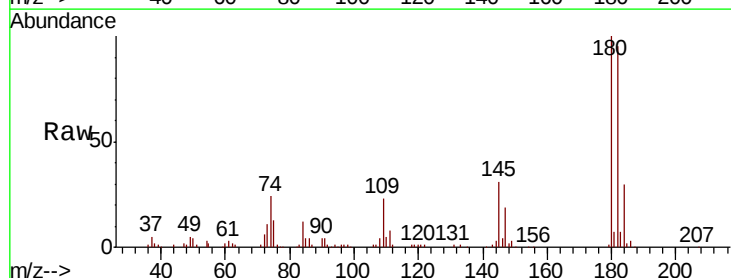
Delta R.T. -0.01 min

Lab File: VX006068.D

Acq: 17 Nov 2018 15:06

Tgt Ion:180 Resp: 44923

Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.0	144.2
145	30.3	15.1	45.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

