

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111718\
 Data File : VX006064.D
 Acq On : 17 Nov 2018 12:38
 Operator : JC/MD
 Sample : VX1117WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

Quant Time: Nov 19 00:13:53 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	116933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	166602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	145046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	95870	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	69062	51.37	ug/l	0.00
Spiked Amount						
			Recovery	=	102.74%	
35) Dibromofluoromethane	5.49	113	57775	50.99	ug/l	-0.01
Spiked Amount						
			Recovery	=	101.98%	
50) Toluene-d8	8.71	98	185313	49.19	ug/l	0.00
Spiked Amount						
			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.14	95	68431	50.52	ug/l	0.00
Spiked Amount						
			Recovery	=	101.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	18283	17.342	ug/l	99
3) Chloromethane	1.32	50	23556	17.025	ug/l	96
4) Vinyl Chloride	1.41	62	24752	17.820	ug/l	100
5) Bromomethane	1.64	94	12997	15.290	ug/l	100
6) Chloroethane	1.72	64	15760	19.016	ug/l	99
7) Trichlorofluoromethane	1.93	101	34006	18.444	ug/l	98
8) Diethyl Ether	2.19	74	14587	20.191	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.39	101	20351	19.192	ug/l	99
10) Methyl Iodide	2.51	142	21113	16.428	ug/l	95
11) Tert butyl alcohol	3.07	59	38277	99.396	ug/l	99
12) 1,1-Dichloroethene	2.37	96	19551	18.916	ug/l	89
13) Acrolein	2.29	56	9891	68.902	ug/l	97
14) Allyl chloride	2.73	41	45113	19.543	ug/l	99
15) Acrylonitrile	3.15	53	85384	106.989	ug/l	99
16) Acetone	2.45	43	77757	107.428	ug/l	98
17) Carbon Disulfide	2.57	76	48076	15.594	ug/l	99
18) Methyl Acetate	2.78	43	44574	22.154	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	75919	21.521	ug/l	94
20) Methylene Chloride	2.86	84	24084	20.256	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	20843	19.119	ug/l	92
22) Diisopropyl ether	3.87	45	82963	20.516	ug/l	93
23) Vinyl Acetate	3.82	43	345382	99.616	ug/l	99
24) 1,1-Dichloroethane	3.70	63	43731	20.270	ug/l	99
25) 2-Butanone	4.70	43	116557	102.429	ug/l	96
26) 2,2-Dichloropropane	4.58	77	33608	21.236	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	24169	20.078	ug/l	99
28) Bromochloromethane	5.01	49	21729	22.536	ug/l	96
29) Tetrahydrofuran	5.15	42	73980	101.254	ug/l	99
30) Chloroform	5.22	83	42055	20.205	ug/l	99
31) Cyclohexane	5.57	56	30727	16.408	ug/l	90
32) 1,1,1-Trichloroethane	5.50	97	33832	19.487	ug/l	100
36) 1,1-Dichloropropene	5.80	75	29252	18.213	ug/l	96
37) Ethyl Acetate	4.85	43	41353	19.580	ug/l	100
38) Carbon Tetrachloride	5.78	117	29341	18.248	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	25787	15.842	ug/l	91
40) Benzene	6.15	78	90754	19.383	ug/l	97
41) Methacrylonitrile	5.06	41	22665	19.860	ug/l	99
42) 1,2-Dichloroethane	6.20	62	32855	19.591	ug/l	99
43) Isopropyl Acetate	6.46	43	56649	18.511	ug/l	97
44) Trichloroethene	7.21	130	21374	17.976	ug/l	96
45) 1,2-Dichloropropane	7.52	63	22267	19.594	ug/l	97
46) Dibromomethane	7.66	93	13782	19.326	ug/l	98
47) Bromodichloromethane	7.90	83	26882	19.947	ug/l	98
48) Methyl methacrylate	7.77	41	26689	19.422	ug/l	98
49) 1,4-Dioxane	7.75	88	11457	386.915	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	185796	96.329	ug/l	98
52) Toluene	8.79	92	48230	18.431	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	29443	18.513	ug/l	100
54) cis-1,3-Dichloropropene	8.44	75	31890	19.673	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	24048	20.620	ug/l	89
56) Ethyl methacrylate	9.18	69	31303	17.939	ug/l	98
57) 1,3-Dichloropropane	9.37	76	40718	20.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	87678	97.436	ug/l	99
59) 2-Hexanone	9.49	43	168191	98.929	ug/l	98
60) Dibromochloromethane	9.59	129	24292	19.273	ug/l	98
61) 1,2-Dibromoethane	9.67	107	25688	19.920	ug/l	98
64) Tetrachloroethene	9.34	164	26774	21.681	ug/l	92
65) Chlorobenzene	10.14	112	57194	19.683	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	20744	20.535	ug/l	100
67) Ethyl Benzene	10.25	91	90285	19.377	ug/l	99
68) m/p-Xylenes	10.36	106	70104	39.445	ug/l	99
69) o-Xylene	10.70	106	33295	20.892	ug/l	100
70) Styrene	10.71	104	56707	21.570	ug/l	99
71) Bromoform	10.86	173	17696	20.897	ug/l #	99
73) Isopropylbenzene	11.02	105	94531	17.051	ug/l	100
74) N-amyl acetate	10.90	43	44146	15.087	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	33706	16.564	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	39982	20.481	ug/l	86
77) Bromobenzene	11.26	156	25599	16.382	ug/l	100
78) n-propylbenzene	11.36	91	108595	16.620	ug/l	99
79) 2-Chlorotoluene	11.42	91	65132	16.492	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	80109	17.004	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	10476	17.104	ug/l	99
82) 4-Chlorotoluene	11.51	91	76540	16.445	ug/l	100
83) tert-Butylbenzene	11.77	119	91361	19.168	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	96975	18.576	ug/l	97
85) sec-Butylbenzene	11.94	105	116341	19.961	ug/l	99
86) p-Isopropyltoluene	12.07	119	109875	21.282	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	62897	20.973	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	61716	20.103	ug/l	98
89) n-Butylbenzene	12.39	91	93944	19.634	ug/l	100
90) Hexachloroethane	12.60	117	17709	20.545	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	63027	20.979	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9646	19.425	ug/l	92

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration

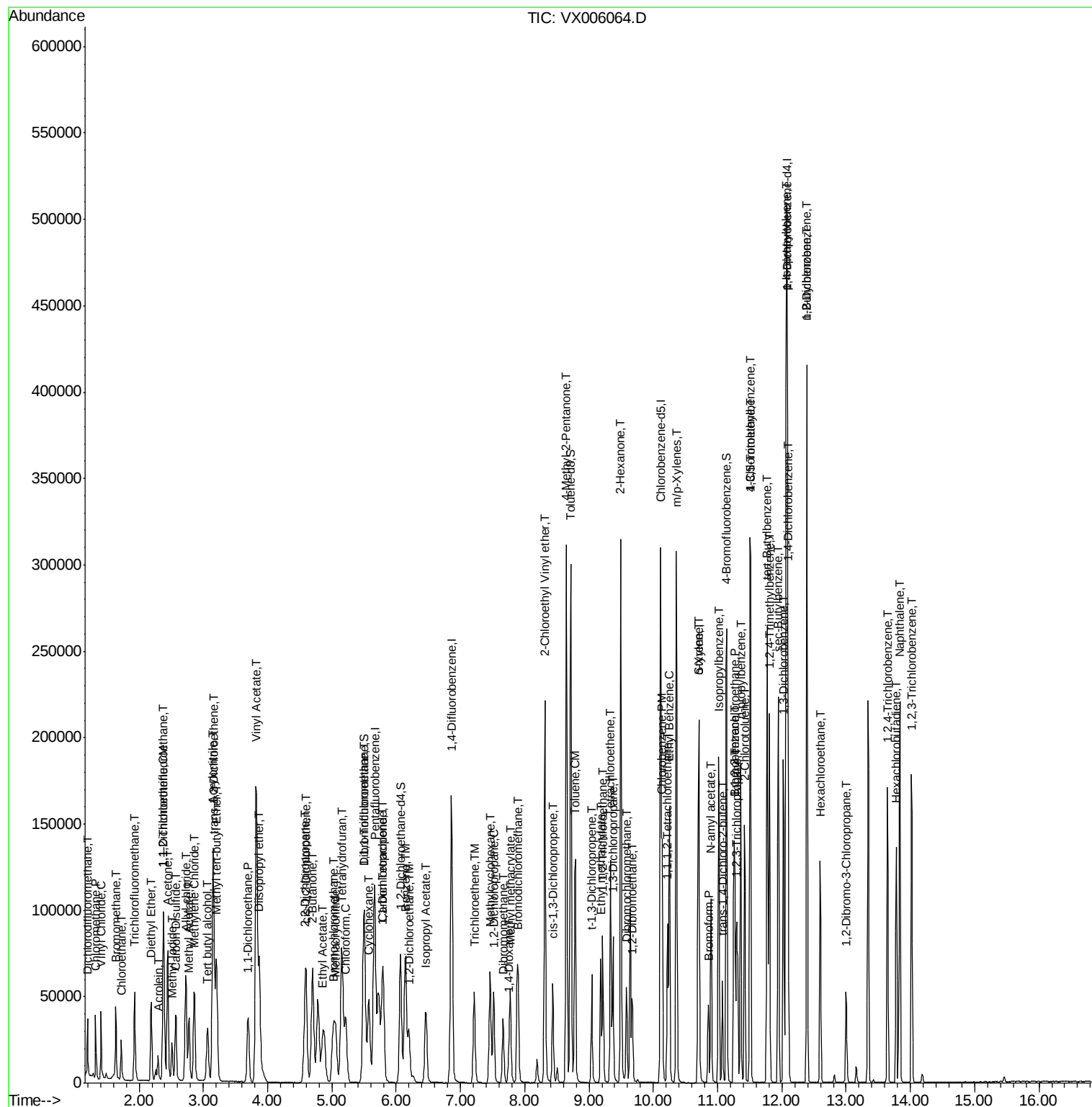
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	44764	21.166	ug/l	98
94) Hexachlorobutadiene	13.78	225	22059	19.856	ug/l	100
95) Naphthalene	13.83	128	132993	20.005	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	46357	21.515	ug/l	99

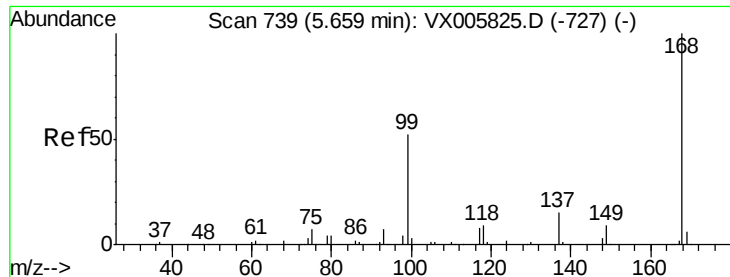
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

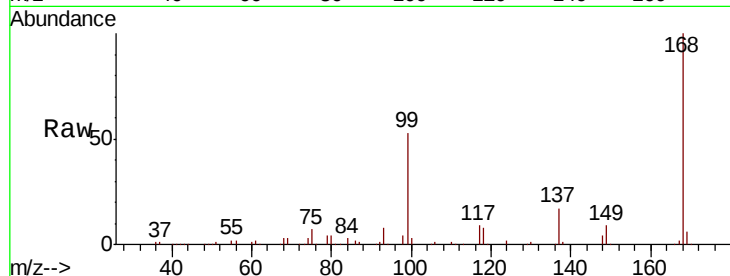
VX1117WBS01

Tot Ion:168 Resp: 116933

Ion Ratio Lower Upper

168 100

99 52.5 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

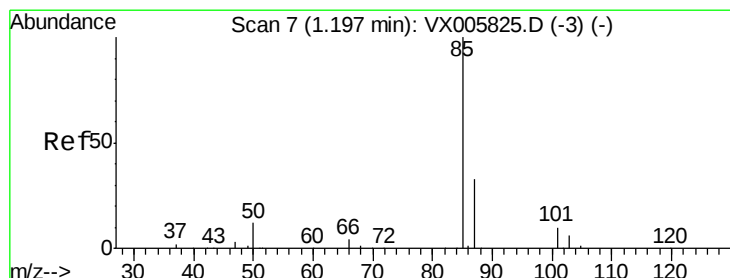
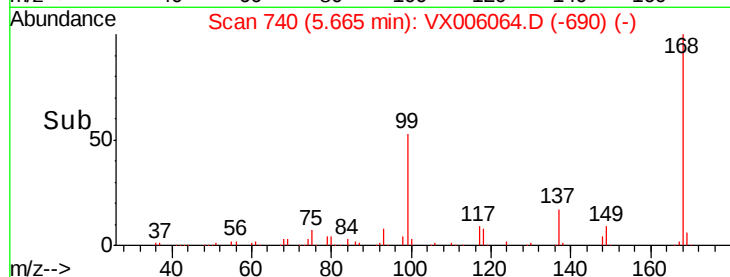
5.50

5.60

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.342 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX006064.D

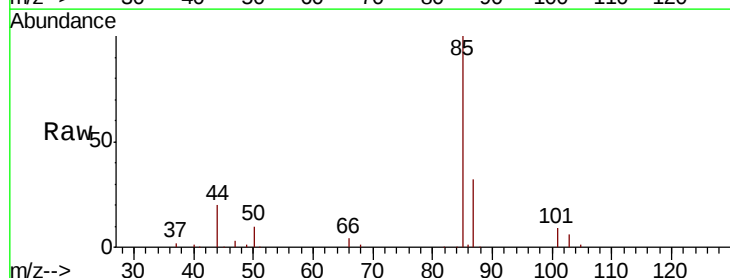
Acq: 17 Nov 2018 12:38

Tgt Ion: 85 Resp: 18283

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

20000

15000

10000

5000

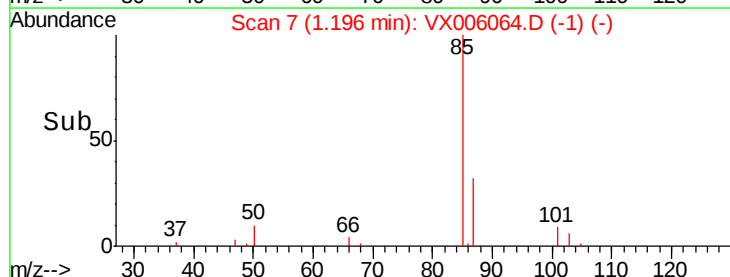
0

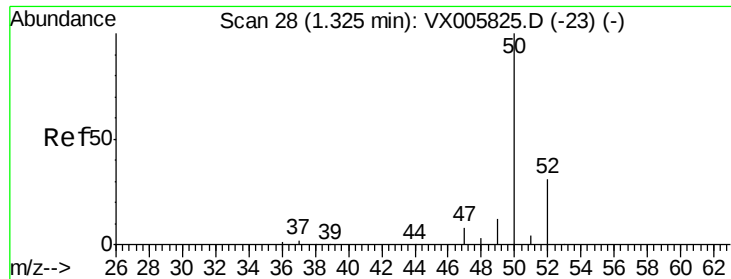
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 17.025 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

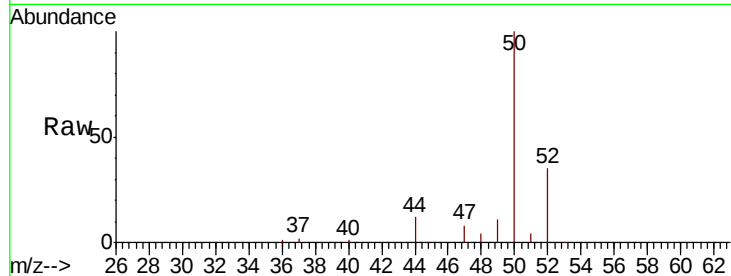
VX1117WBS01

Tot Ion: 50 Resp: 23556

Ion Ratio Lower Upper

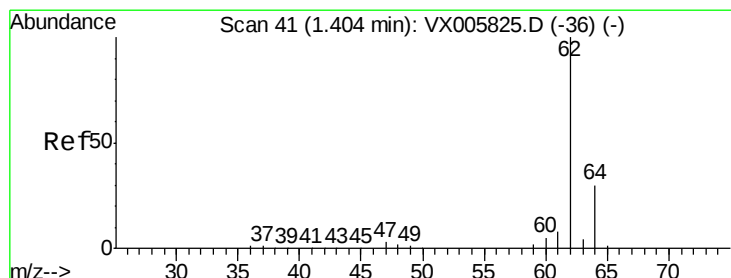
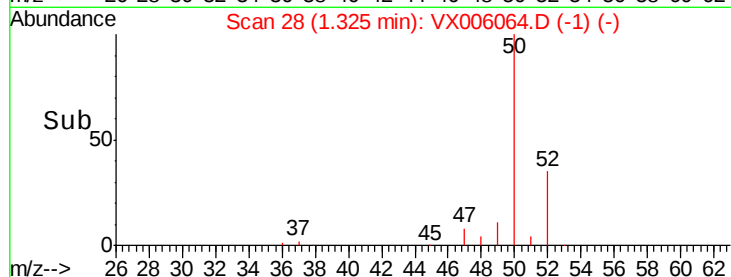
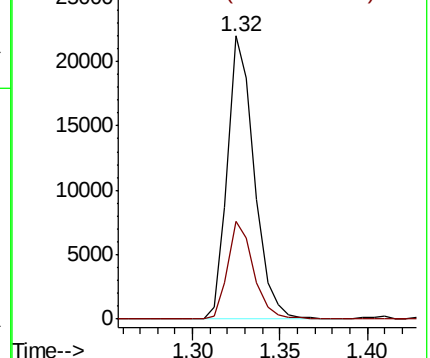
50 100

52 34.8 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.820 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.01 min

Lab File: VX006064.D

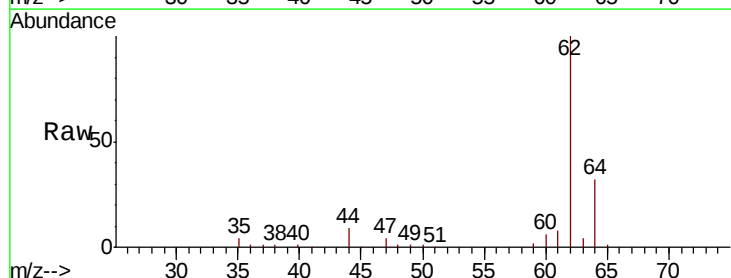
Acq: 17 Nov 2018 12:38

Tgt Ion: 62 Resp: 24752

Ion Ratio Lower Upper

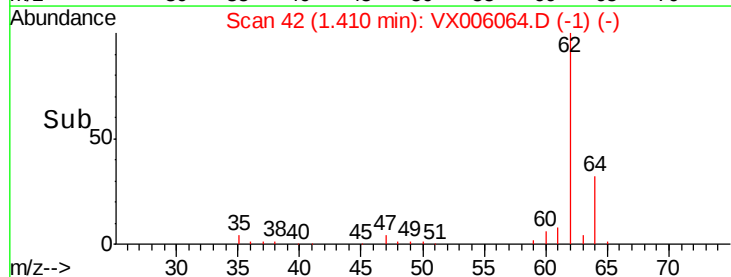
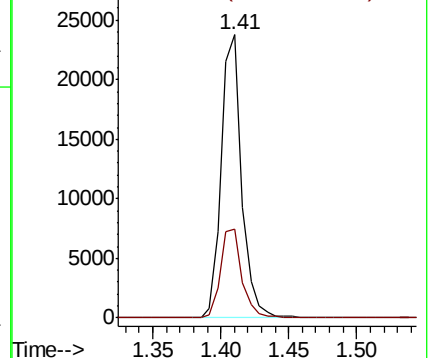
62 100

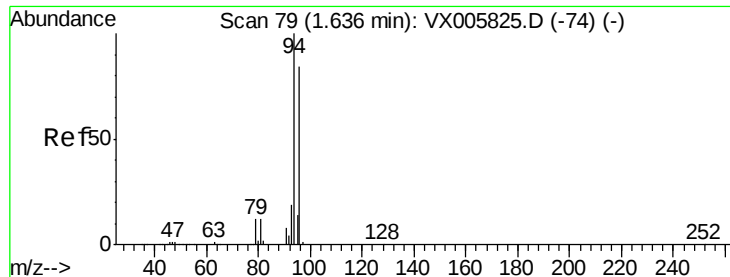
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 15.290 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

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ClientSampleId :

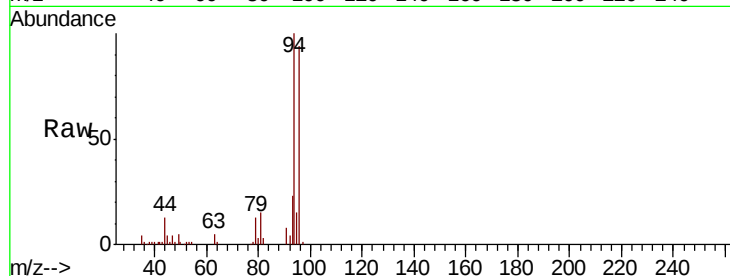
VX1117WBS01

Tot Ion: 94 Resp: 12997

Ion Ratio Lower Upper

94 100

96 93.7 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

15000

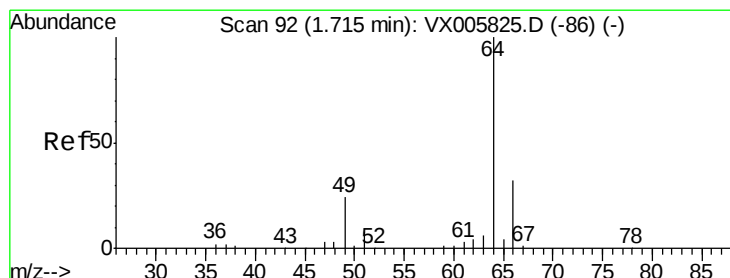
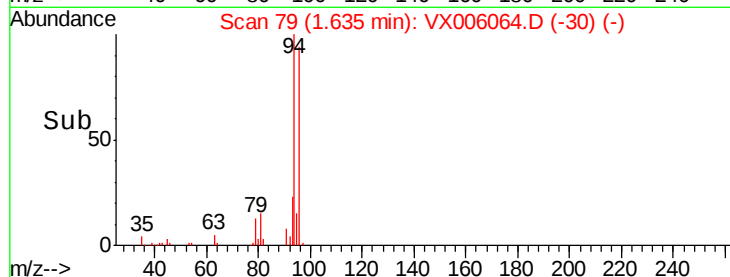
10000

5000

0

Time-->

1.60 1.65 1.70



#6

Chloroethane

Concen: 19.016 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006064.D

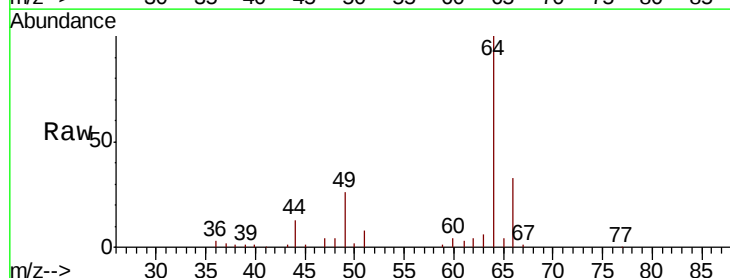
Acq: 17 Nov 2018 12:38

Tgt Ion: 64 Resp: 15760

Ion Ratio Lower Upper

64 100

66 32.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

12000

10000

8000

6000

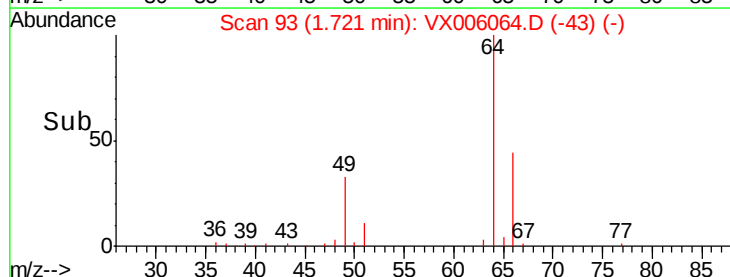
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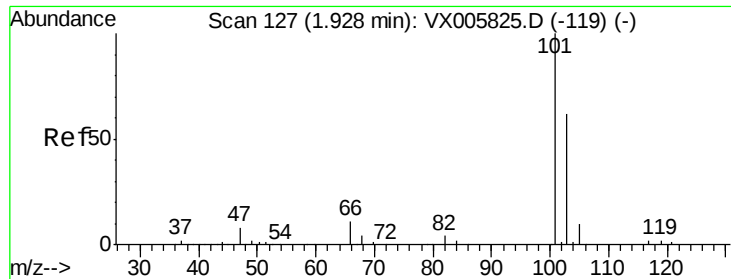
2000

0

Time-->

1.65 1.70 1.75 1.80



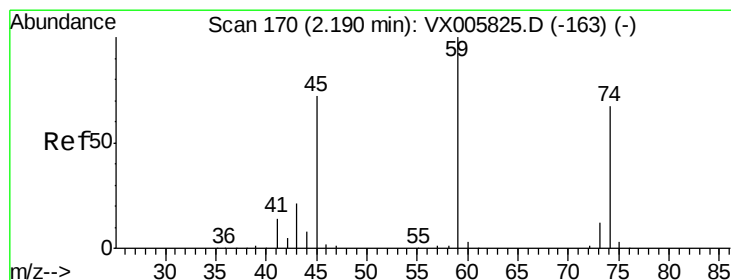
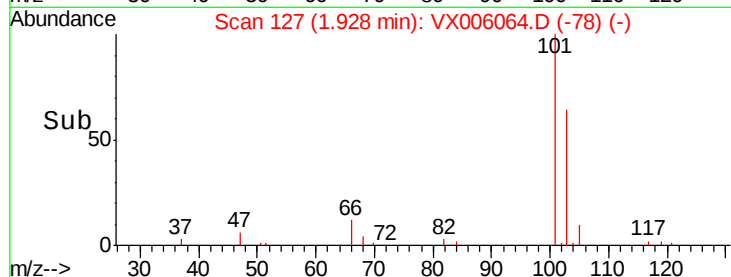
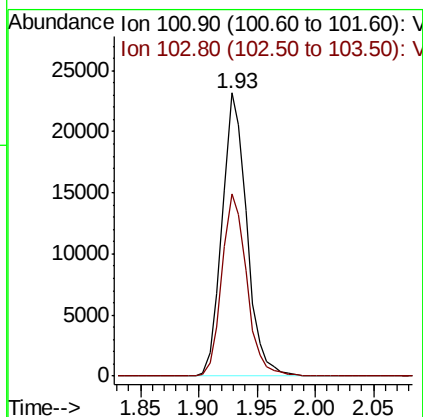
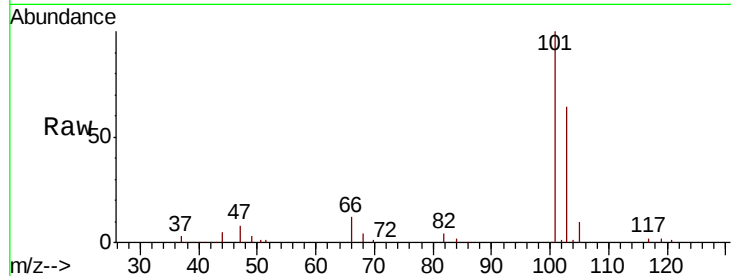


#7

Trichlorofluoromethane
 Concen: 18.444 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Instrument :
 MSVOA_X
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 VX1117WBS01

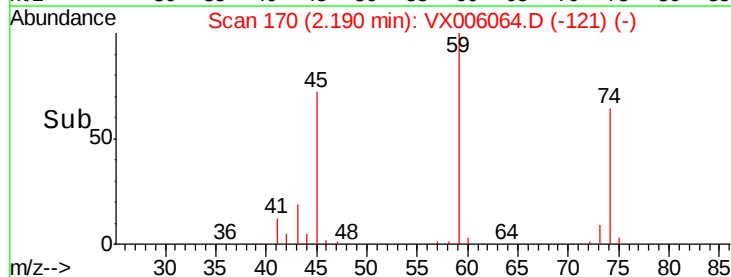
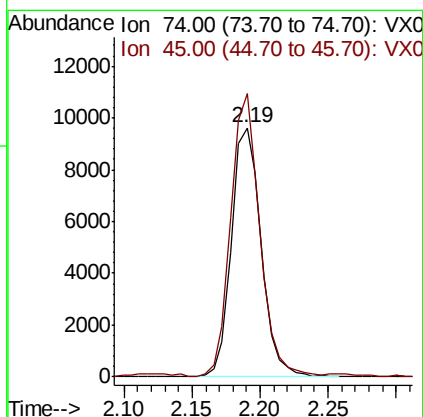
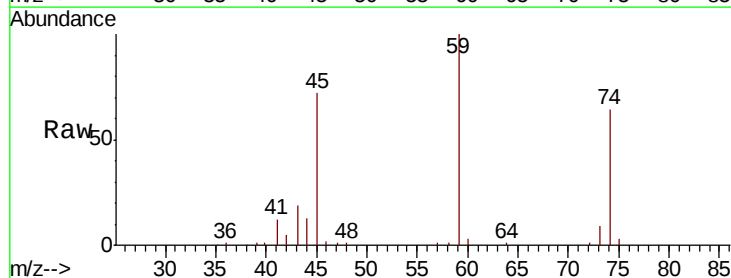
Tot Ion:101 Resp: 34006
 Ion Ratio Lower Upper
 101 100
 103 64.3 50.0 75.0

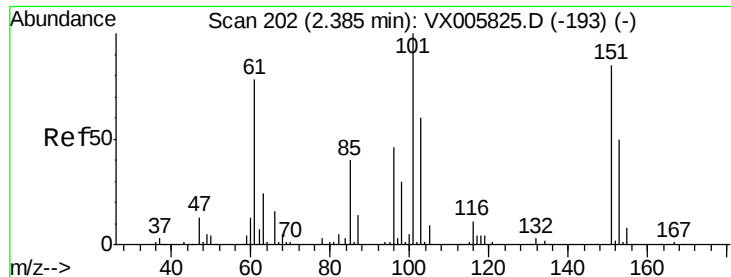


#8

Diethyl Ether
 Concen: 20.191 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion: 74 Resp: 14587
 Ion Ratio Lower Upper
 74 100
 45 111.9 54.1 162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.192 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

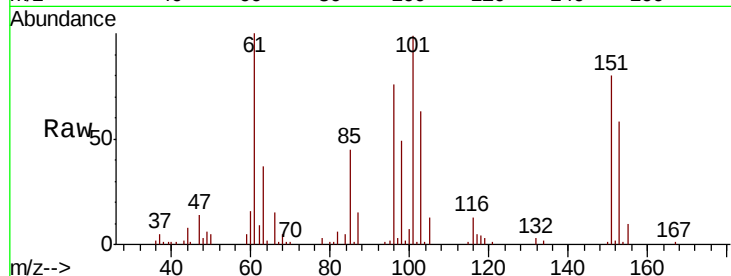
Tot Ion:101 Resp: 20351

Ion Ratio Lower Upper

101 100

85 44.6 35.0 52.4

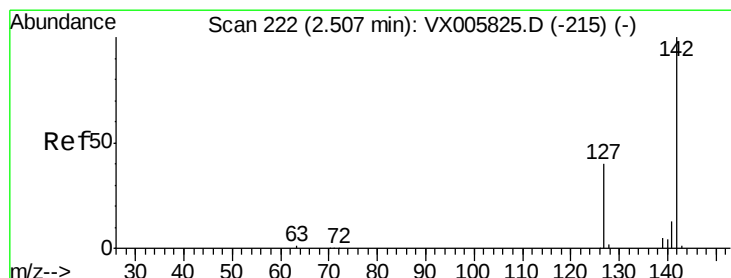
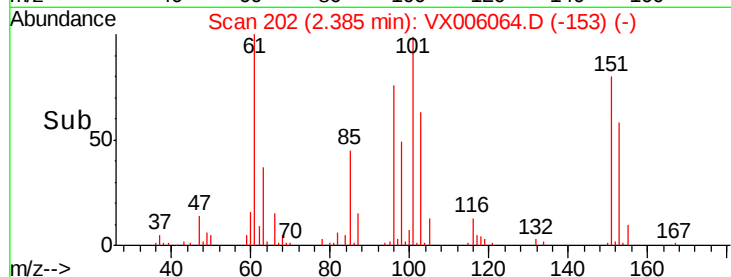
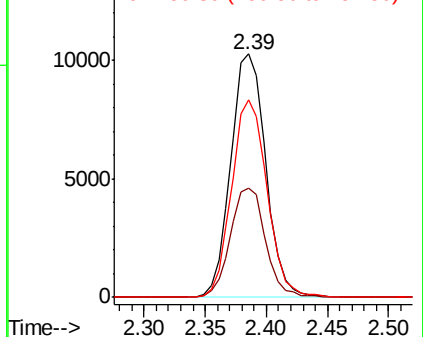
151 82.0 66.2 99.2



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: 16.428 ug/l

RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

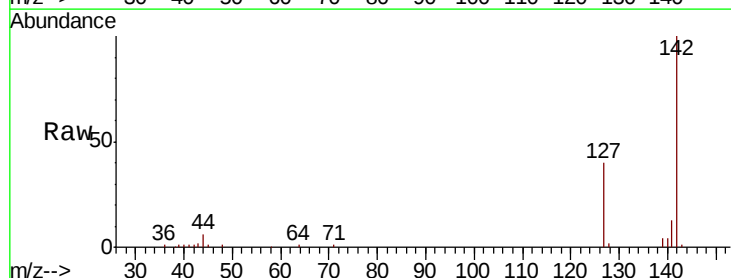
Tgt Ion:142 Resp: 21113

Ion Ratio Lower Upper

142 100

127 41.2 36.0 54.0

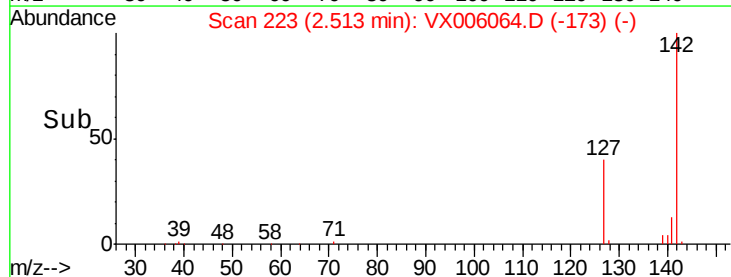
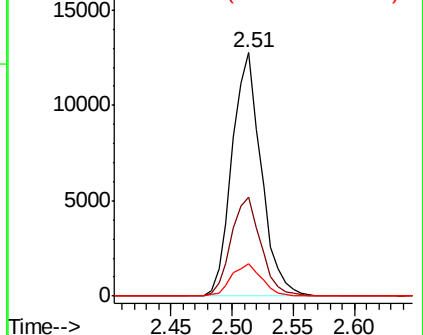
141 13.6 11.7 17.5

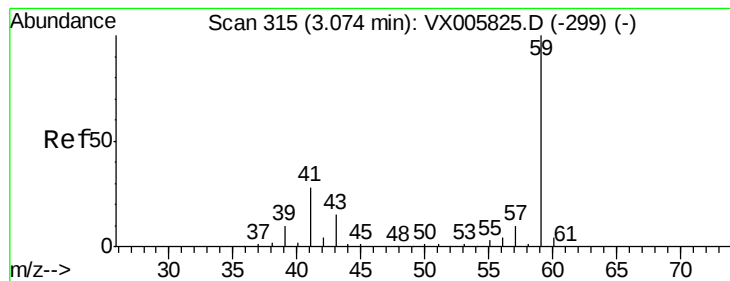


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.396 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

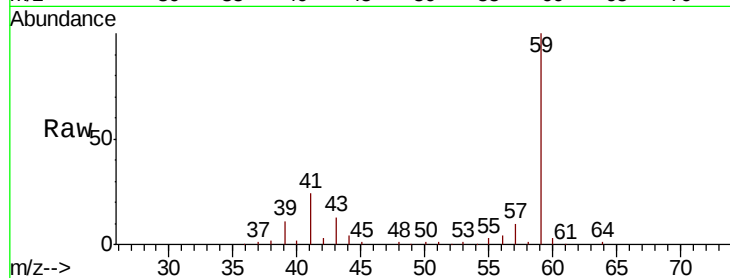
VX1117WBS01

Tot Ion: 59 Resp: 38277

Ion Ratio Lower Upper

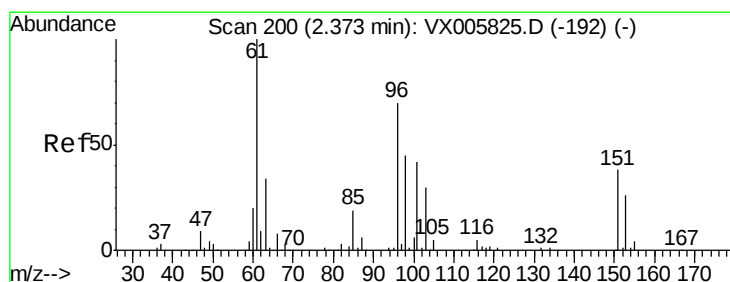
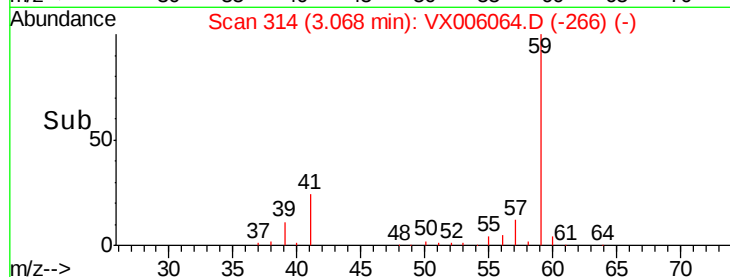
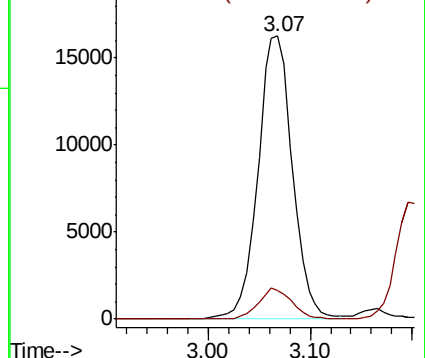
59 100

57 10.3 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: 18.916 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

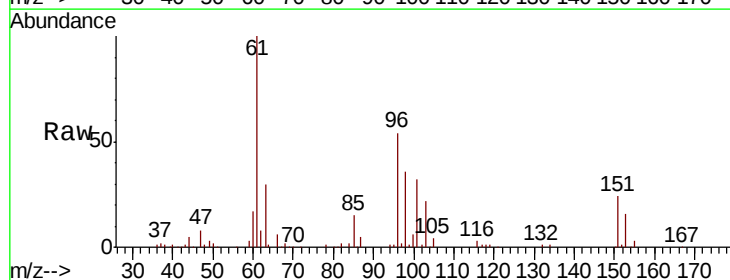
Tgt Ion: 96 Resp: 19551

Ion Ratio Lower Upper

96 100

61 184.5 131.8 197.8

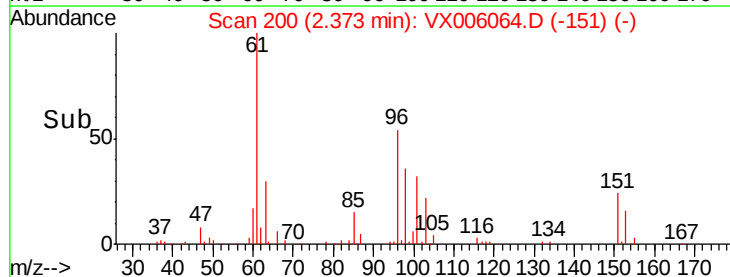
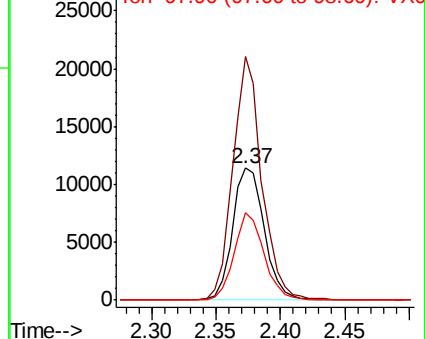
98 66.1 53.4 80.2

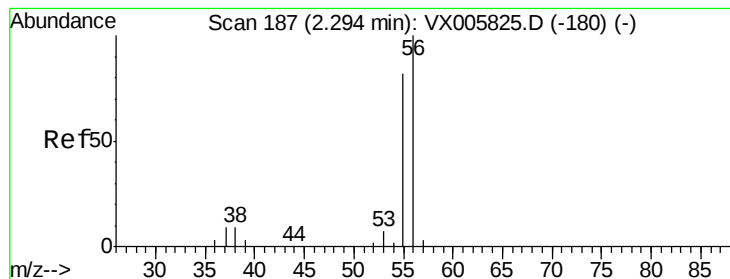


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#13

Acrolein

Concen: 68.902 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

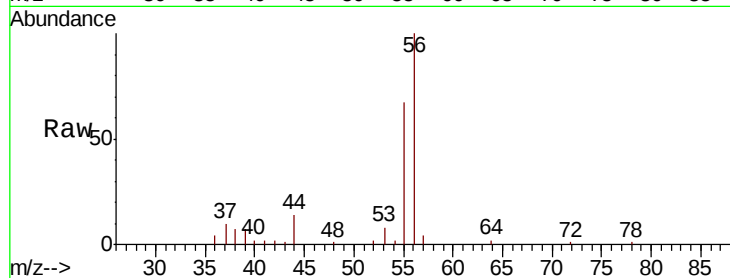
VX1117WBS01

Tot Ion: 56 Resp: 9891

Ion Ratio Lower Upper

56 100

55 73.8 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

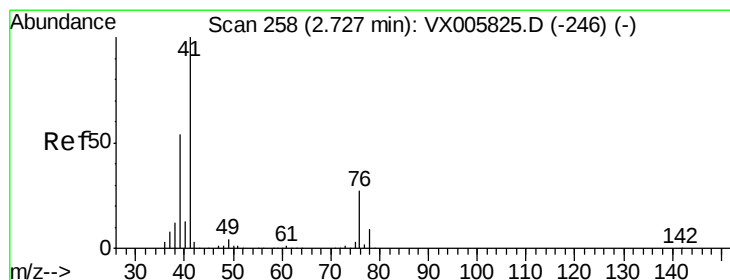
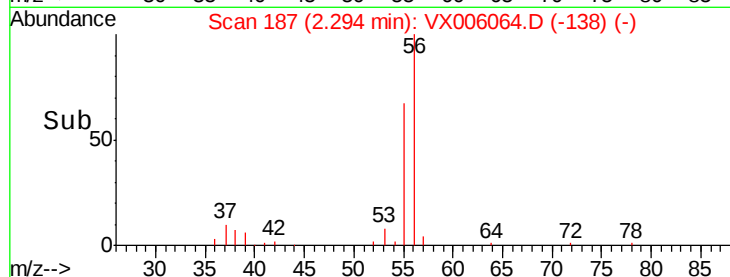
6000

4000

2000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 19.543 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

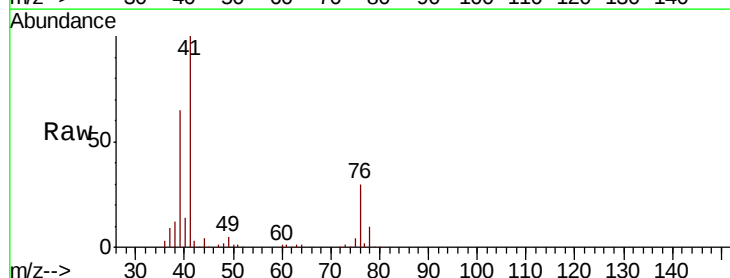
Tgt Ion: 41 Resp: 45113

Ion Ratio Lower Upper

41 100

39 59.3 48.2 72.4

76 28.2 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

30000

25000

20000

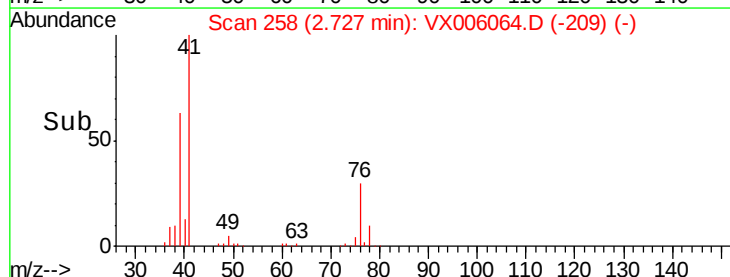
15000

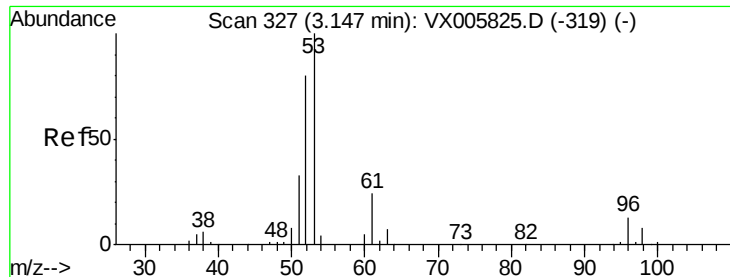
10000

5000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 106.989 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

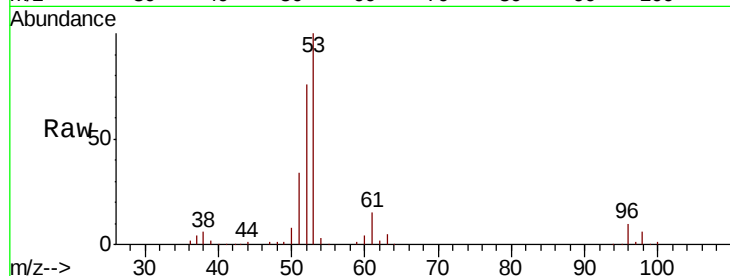
Tot Ion: 53 Resp: 85384

Ion Ratio Lower Upper

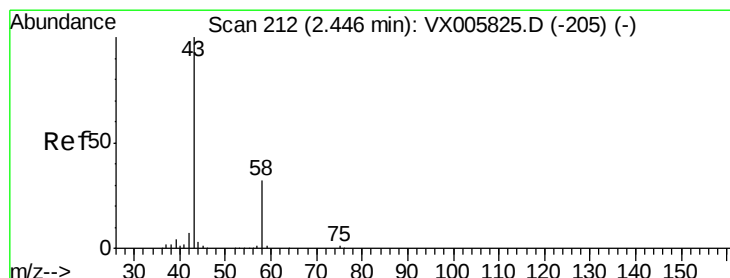
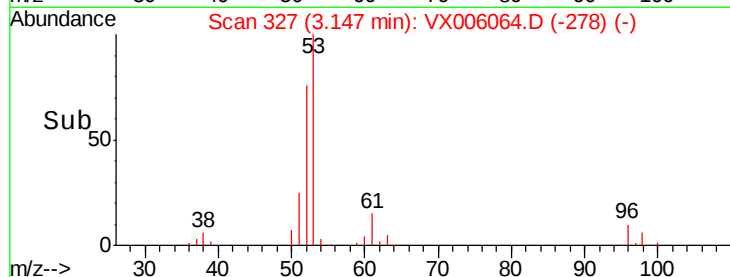
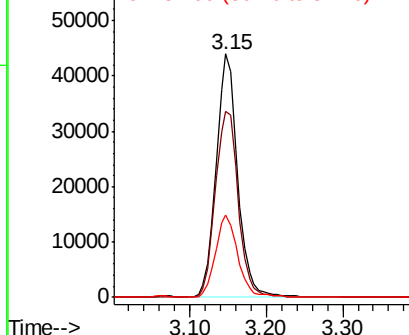
53 100

52 81.5 66.6 99.8

51 35.6 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: 107.428 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006064.D

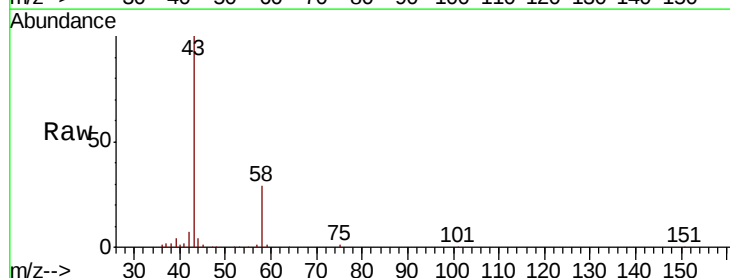
Acq: 17 Nov 2018 12:38

Tgt Ion: 43 Resp: 77757

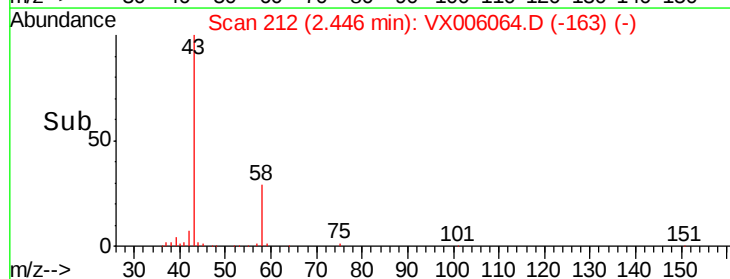
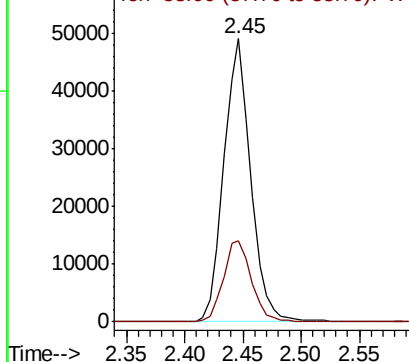
Ion Ratio Lower Upper

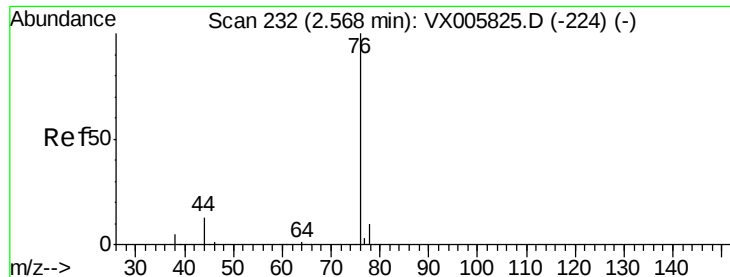
43 100

58 28.7 23.8 35.6



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

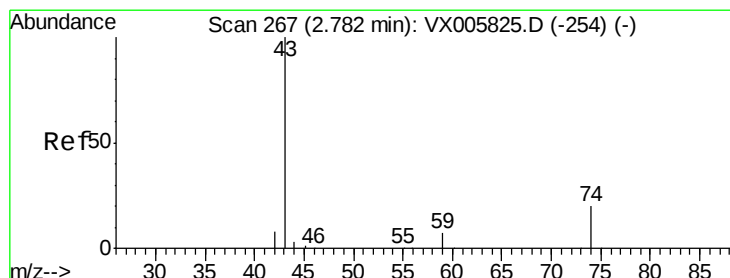
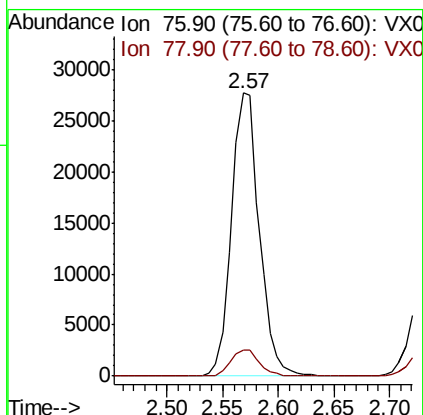
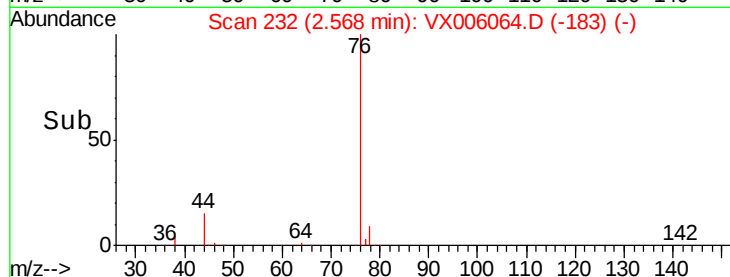
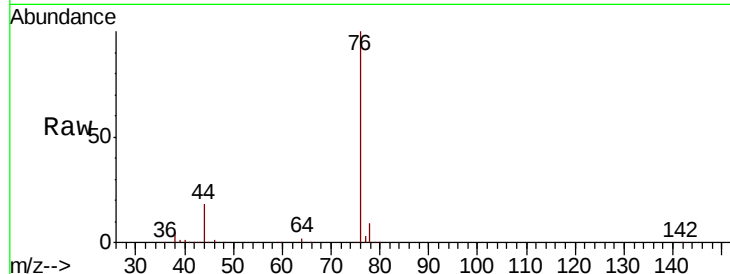




#17
Carbon Disulfide
Concen: 15.594 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

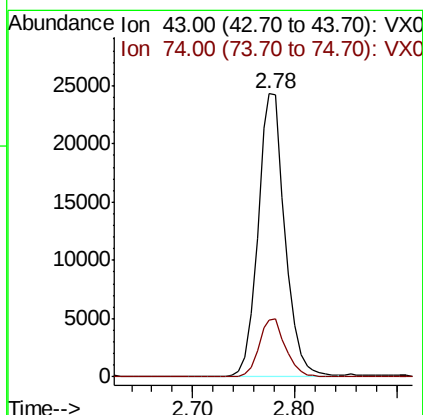
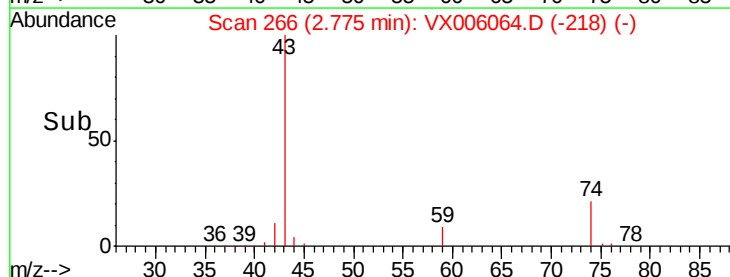
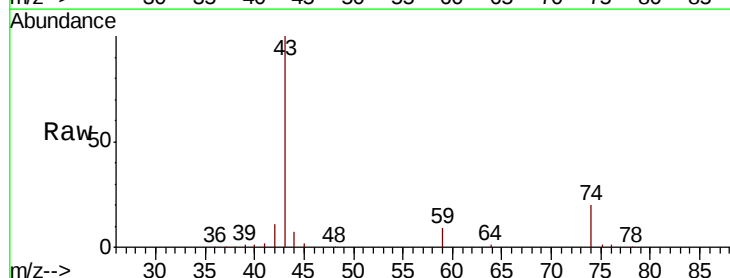
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBS01

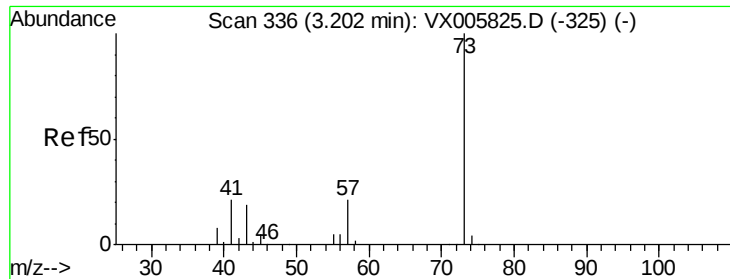
Tot Ion: 76 Resp: 48076
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 22.154 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 43 Resp: 44574
Ion Ratio Lower Upper
43 100
74 20.4 16.8 25.2

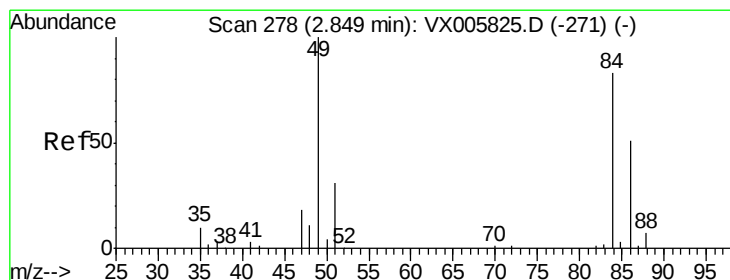
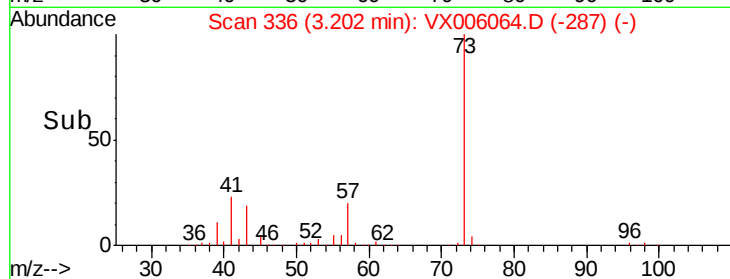
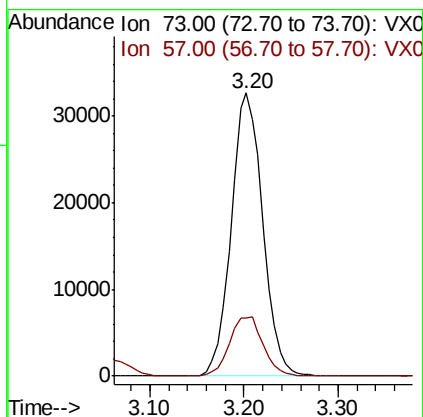
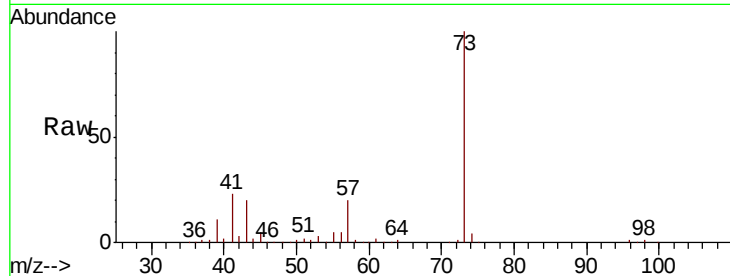




#19
Methvl tert-butvl Ether
Concen: 21.521 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

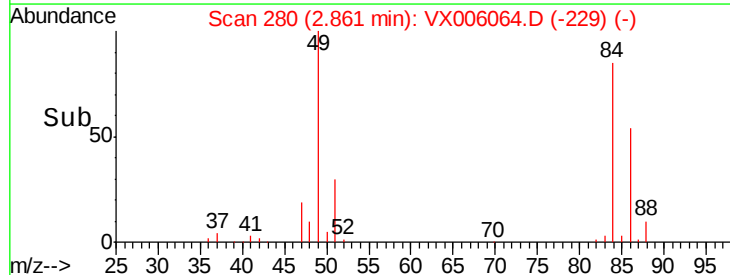
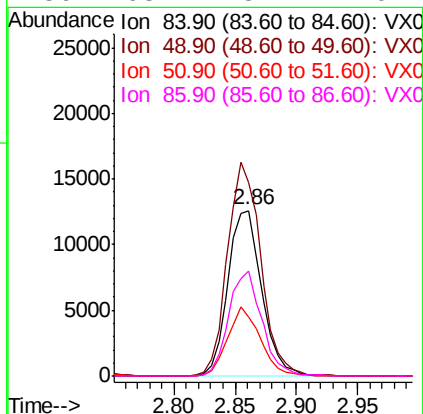
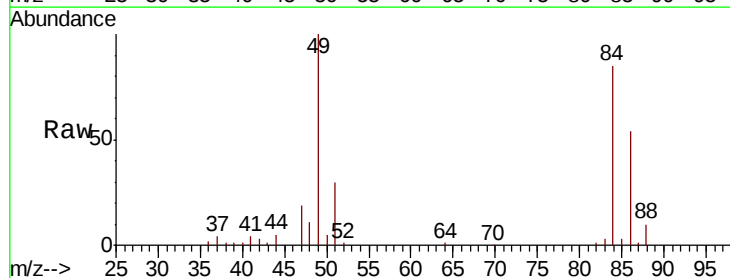
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBS01

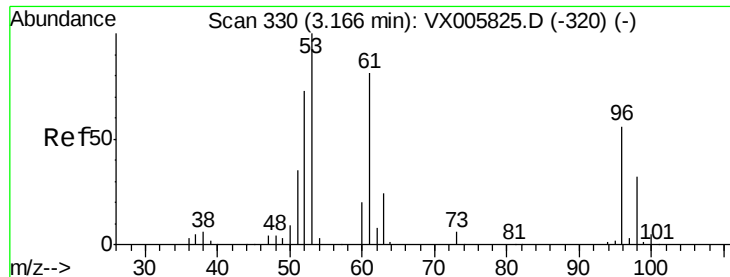
Tot Ion: 73 Resp: 75919
Ion Ratio Lower Upper
73 100
57 20.4 18.8 28.2



#20
Methylene Chloride
Concen: 20.256 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 84 Resp: 24084
Ion Ratio Lower Upper
84 100
49 117.1 109.5 164.3
51 35.5 33.3 49.9
86 63.2 52.7 79.1





#21

trans-1,2-Dichloroethene

Concen: 19.119 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

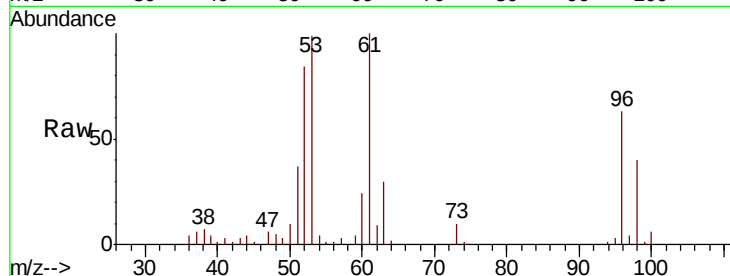
Tot Ion: 96 Resp: 20843

Ion Ratio Lower Upper

96 100

61 157.6 115.6 173.4

98 63.0 50.2 75.2

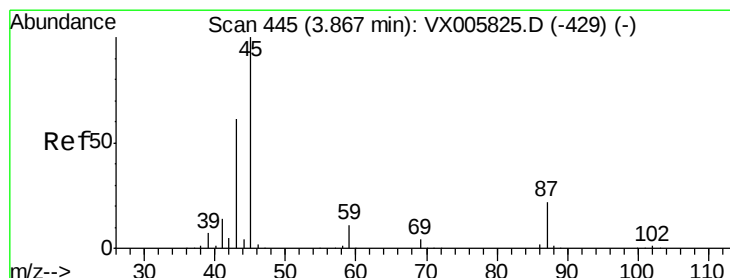
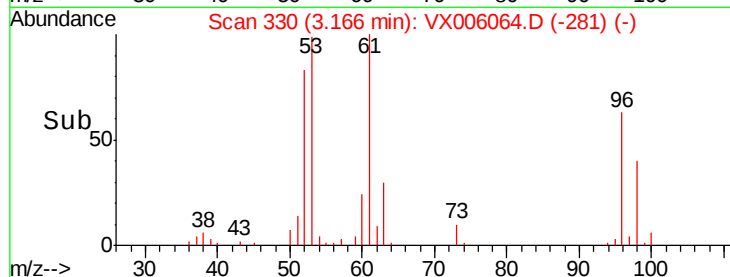
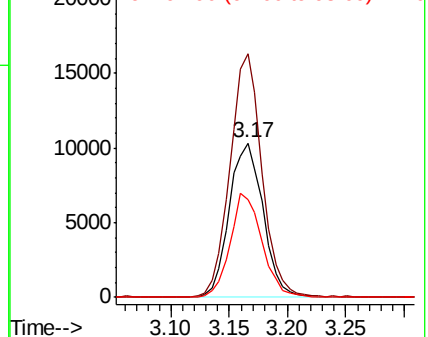


Abundance

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: 20.516 ug/l

RT: 3.87 min Scan# 445

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Tgt Ion: 45 Resp: 82963

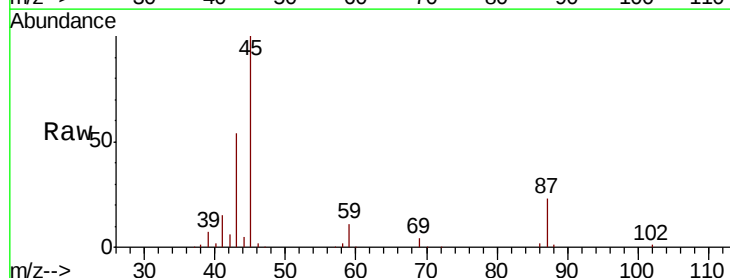
Ion Ratio Lower Upper

45 100

43 53.2 47.4 71.2

87 23.2 15.9 23.9

59 10.7 7.7 11.5



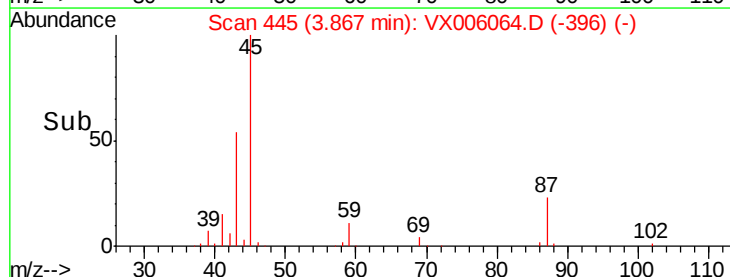
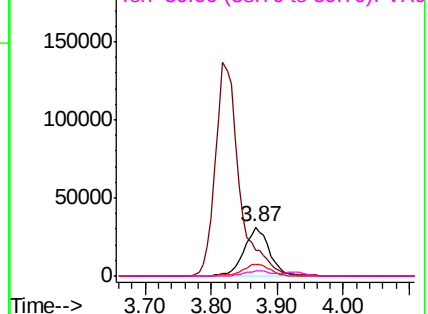
Abundance

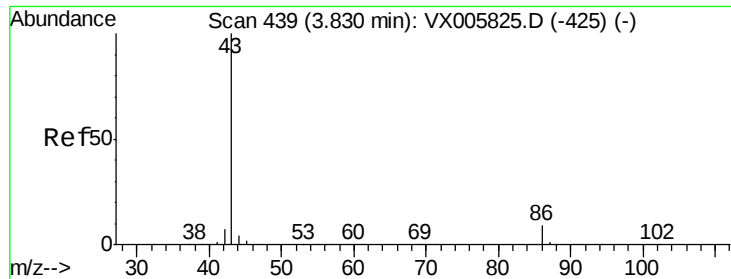
Ion 45.00 (44.70 to 45.70): VX0

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

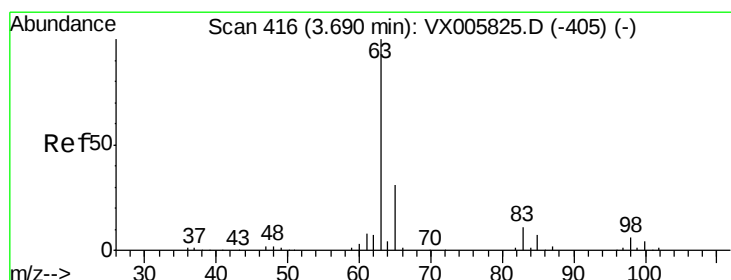
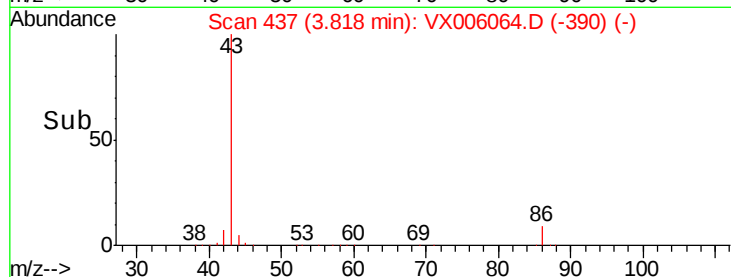
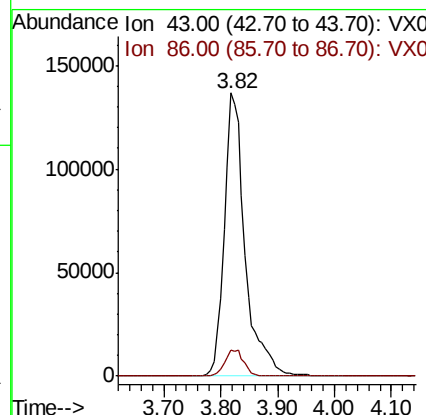
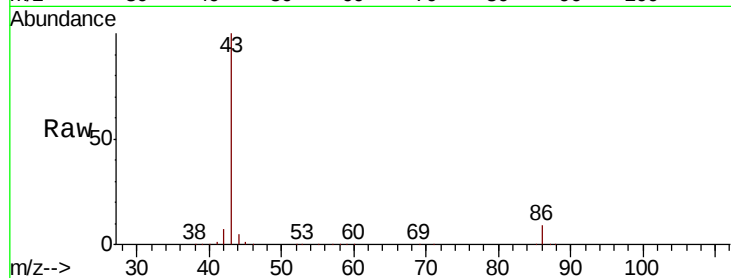




#23
 Vinyl Acetate
 Concen: 99.616 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. -0.01 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

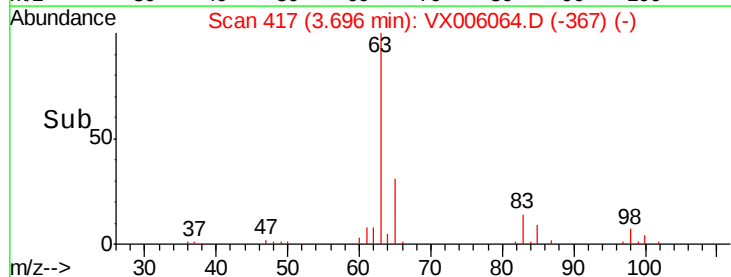
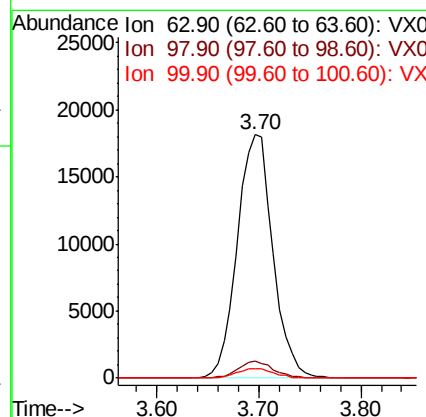
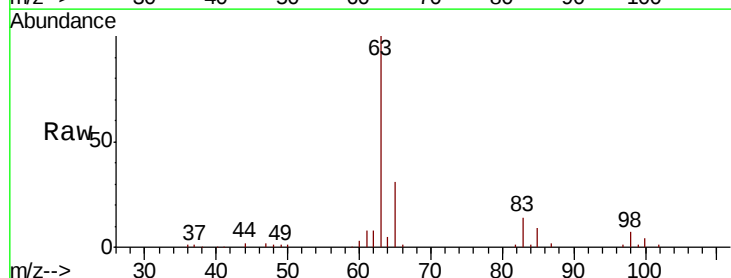
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

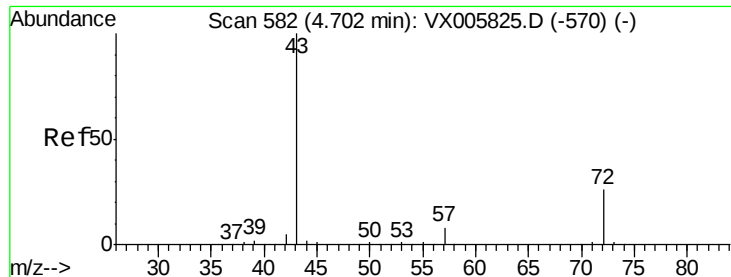
Tot Ion: 43 Resp: 345382
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 20.270 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.01 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion: 63 Resp: 43731
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.2 9.6
 100 3.9 2.1 6.2





#25

2-Butanone

Concen: 102.429 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

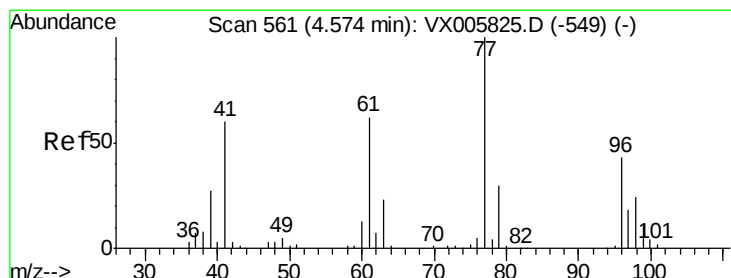
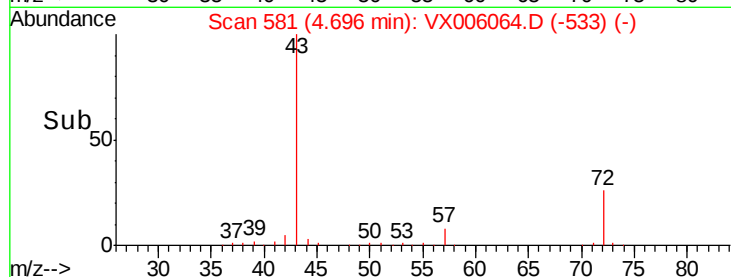
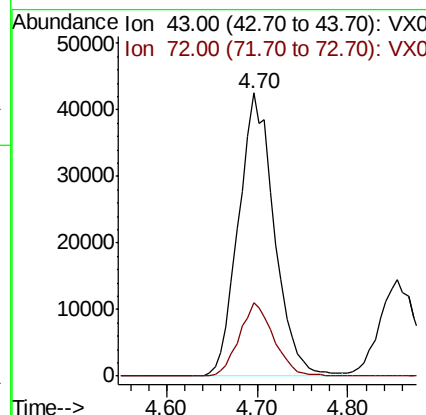
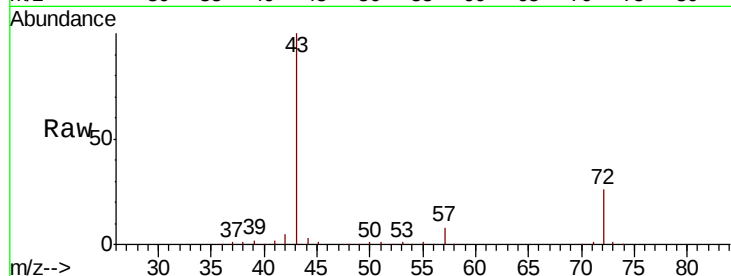
VX1117WBS01

Tot Ion: 43 Resp: 116557

Ion Ratio Lower Upper

43 100

72 26.1 19.2 28.8



#26

2,2-Dichloropropane

Concen: 21.236 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX006064.D

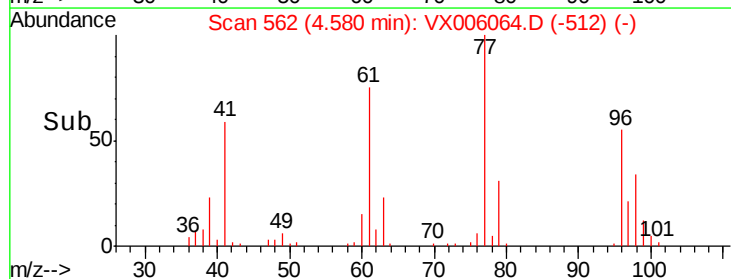
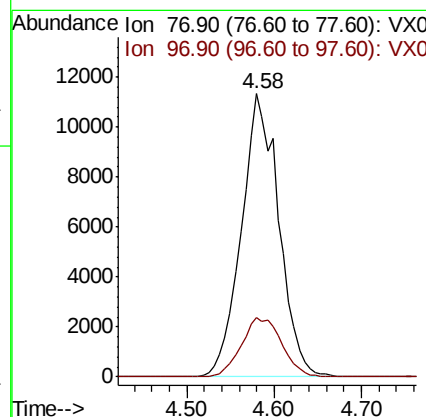
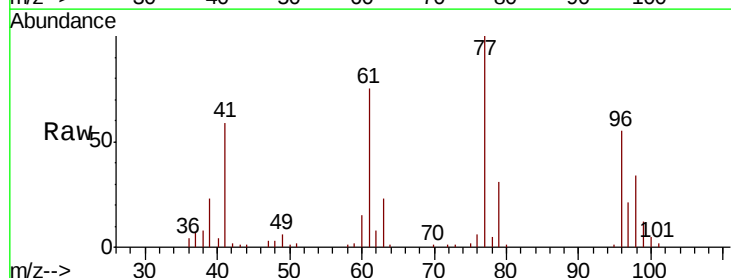
Acq: 17 Nov 2018 12:38

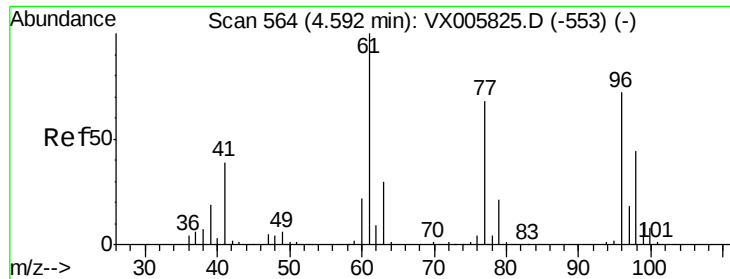
Tgt Ion: 77 Resp: 33608

Ion Ratio Lower Upper

77 100

97 22.6 11.5 34.5



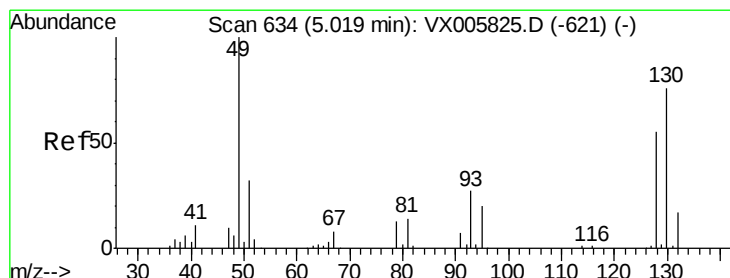
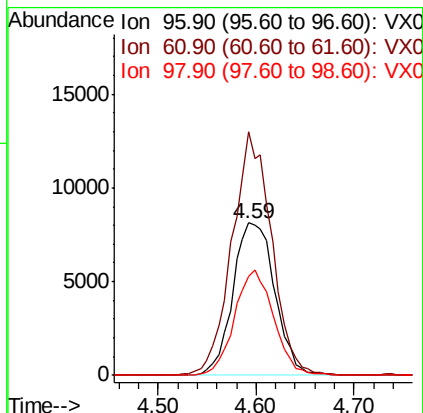
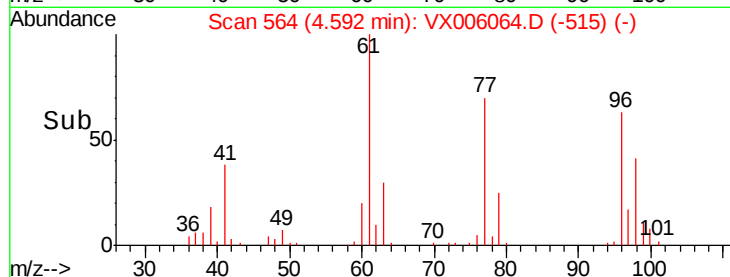
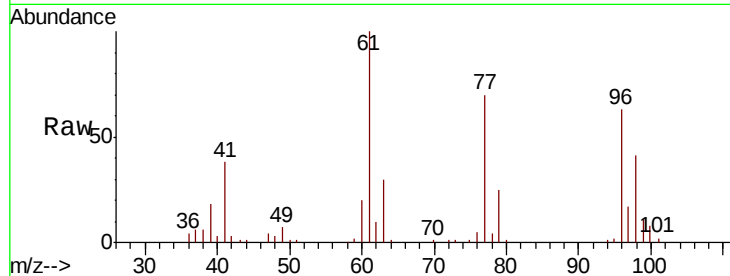


#27

cis-1,2-Dichloroethene
Concen: 20.078 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBS01

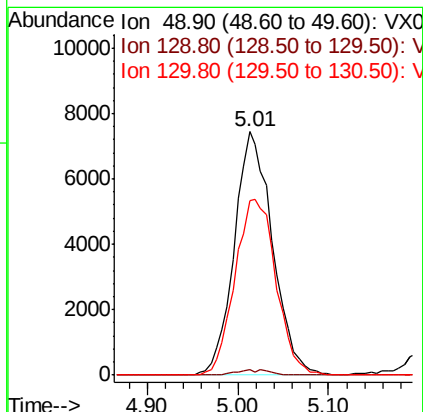
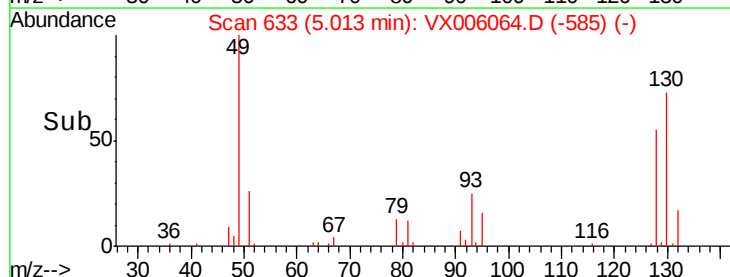
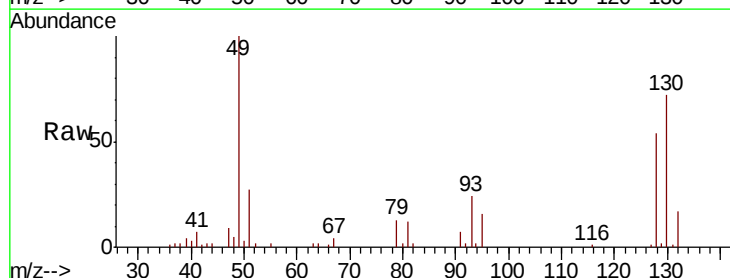
Tot Ion: 96 Resp: 24169
Ion Ratio Lower Upper
96 100
61 150.3 0.0 304.6
98 64.5 0.0 127.4

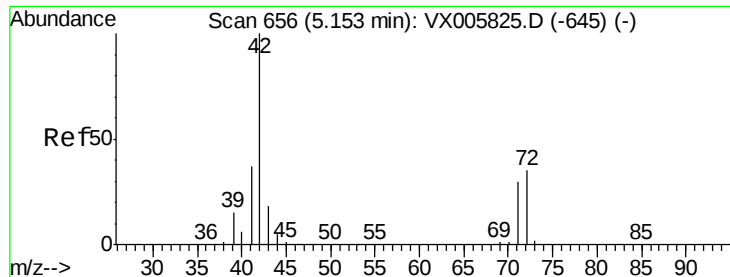


#28

Bromochloromethane
Concen: 22.536 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 49 Resp: 21729
Ion Ratio Lower Upper
49 100
129 1.1 0.0 4.0
130 77.3 58.9 88.3

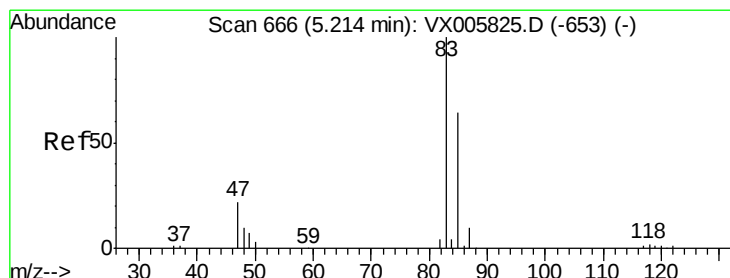
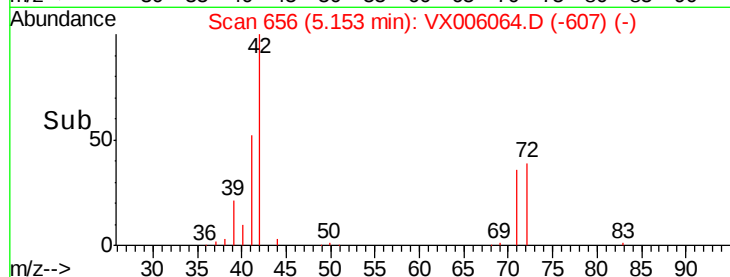
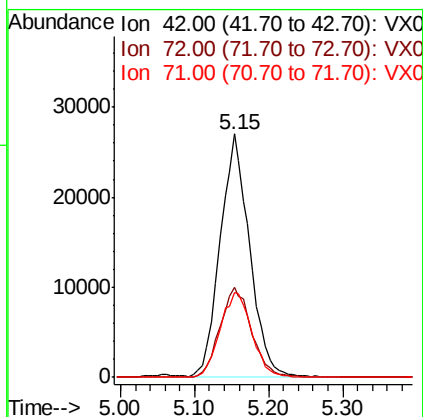
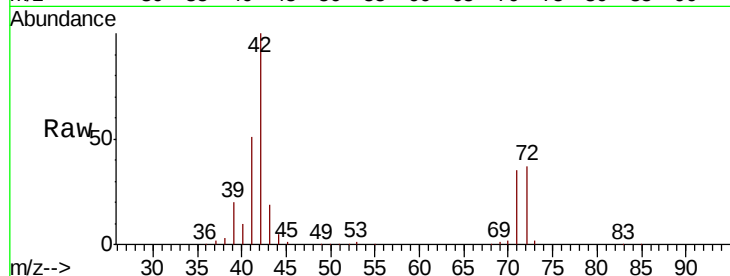




#29
Tetrahydrofuran
Concen: 101.254 ug/l
RT: 5.15 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

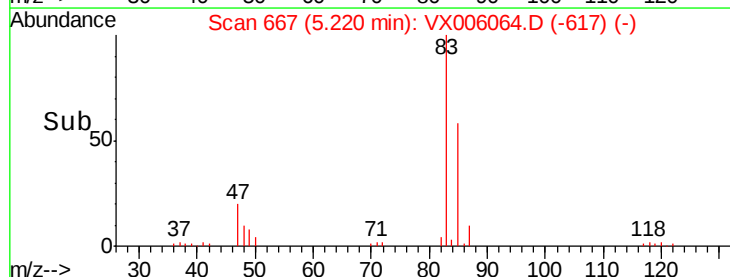
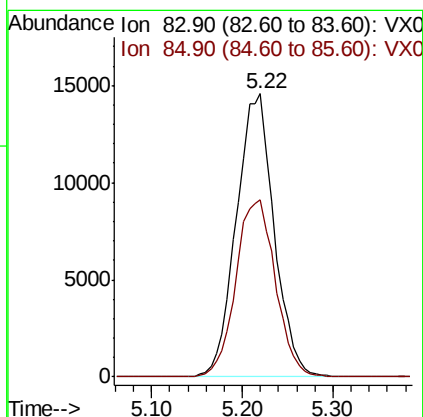
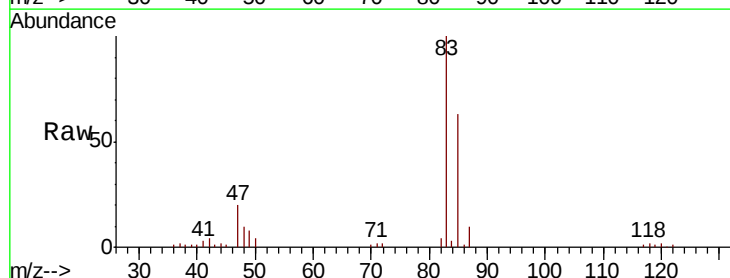
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBS01

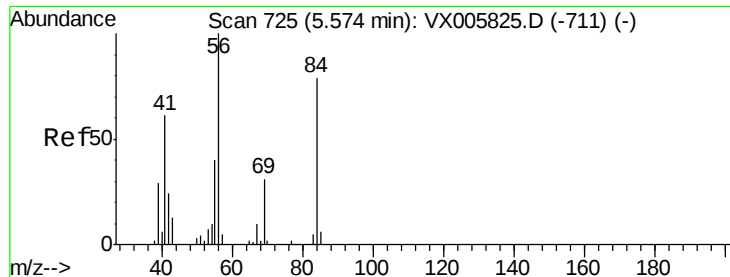
Tot Ion: 42 Resp: 73980
Ion Ratio Lower Upper
42 100
72 39.8 32.0 48.0
71 37.8 29.8 44.8



#30
Chloroform
Concen: 20.205 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 83 Resp: 42055
Ion Ratio Lower Upper
83 100
85 62.5 50.6 76.0

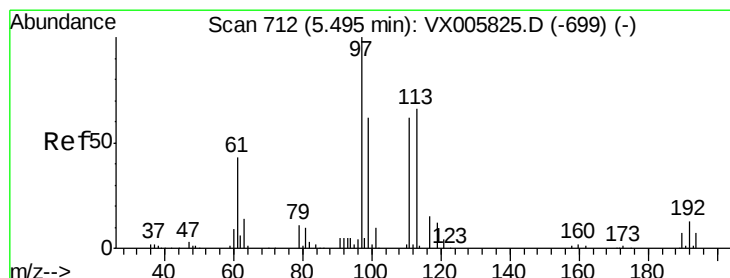
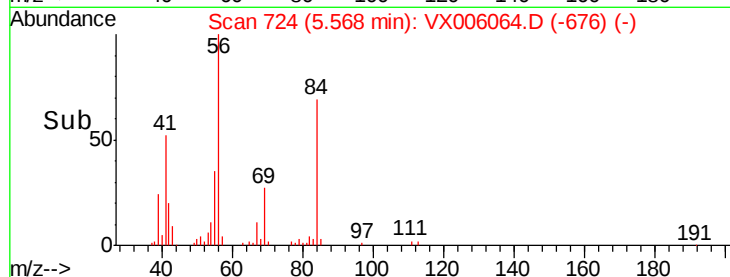
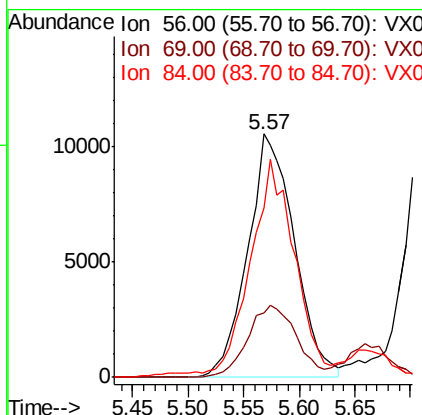
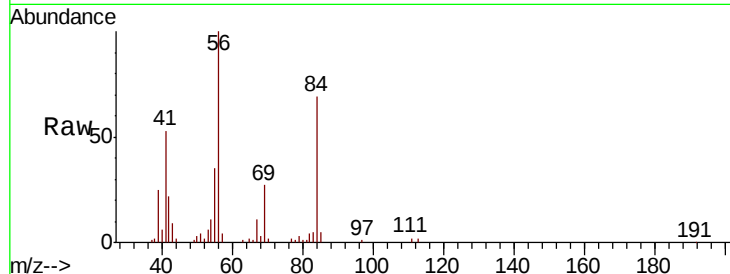




#31
Cyclohexane
Concen: 16.408 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

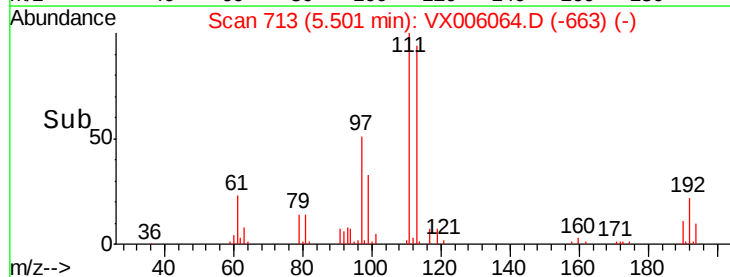
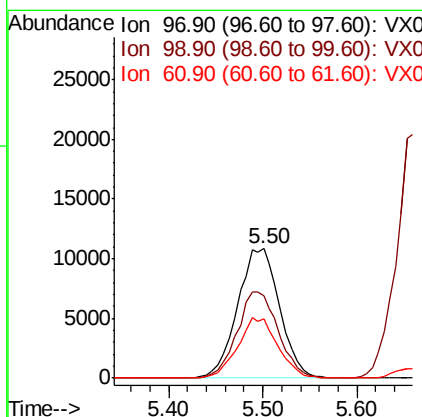
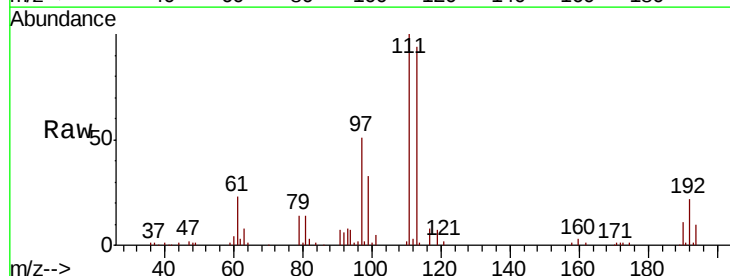
Instrument :
MSVOA_X
ClientSampled :
VX1117WBS01

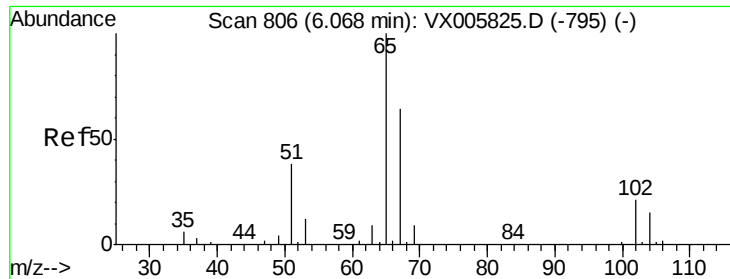
Tot Ion: 56 Resp: 30727
Ion Ratio Lower Upper
56 100
69 26.6 22.6 34.0
84 67.7 62.7 94.1



#32
1,1,1-Trichloroethane
Concen: 19.487 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 97 Resp: 33832
Ion Ratio Lower Upper
97 100
99 65.4 52.3 78.5
61 44.3 35.2 52.8

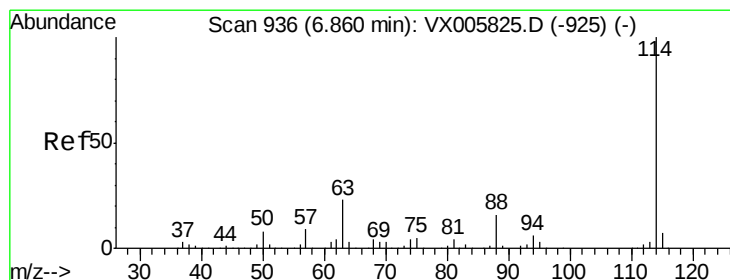
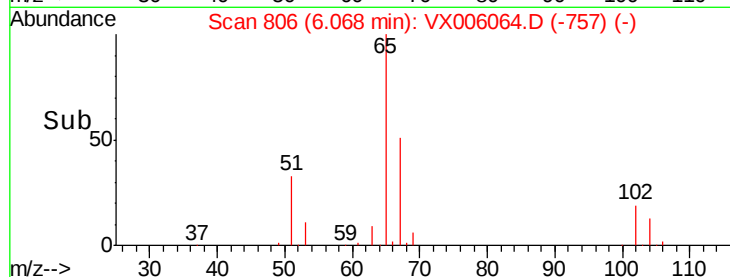
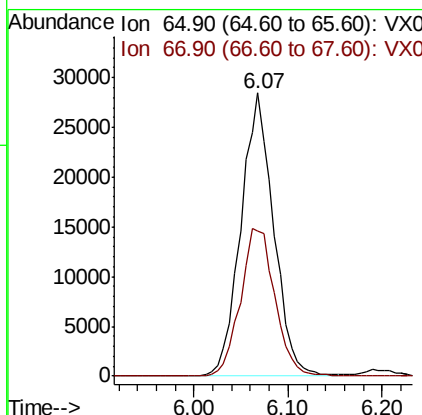
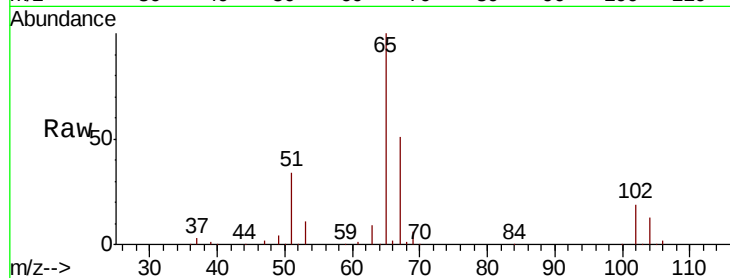




#33
 1,2-Dichloroethane-d4
 Concen: 51.374 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

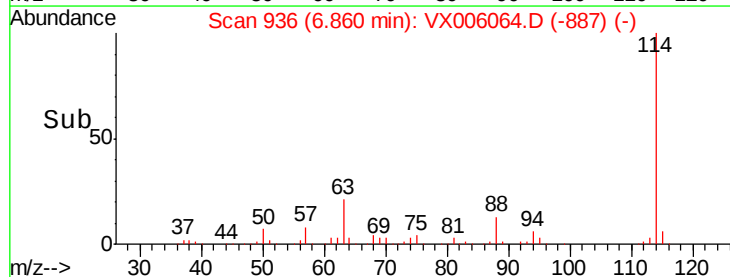
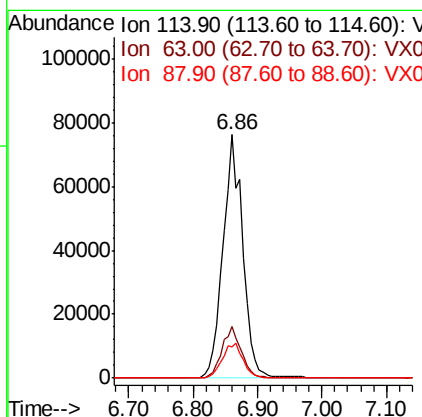
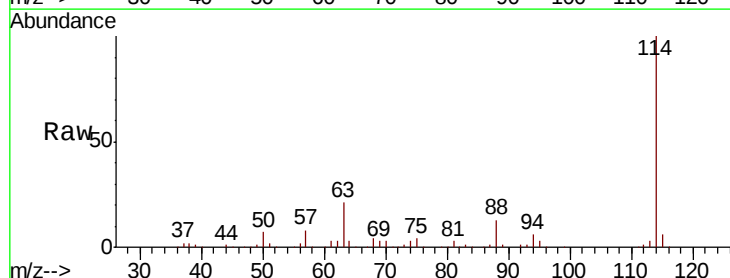
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

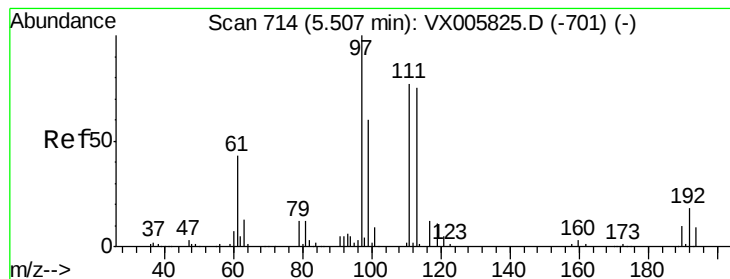
Tot Ion: 65 Resp: 69062
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion: 114 Resp: 166602
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 13.0 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.986 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

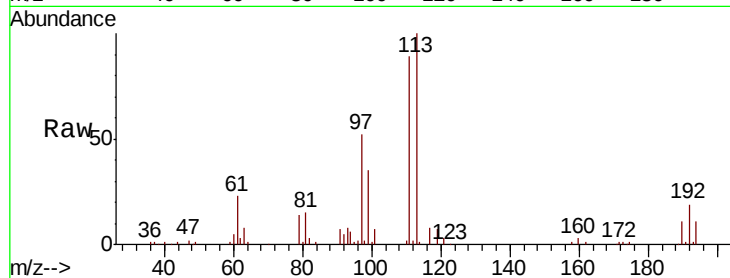
Tot Ion:113 Resp: 57775

Ion Ratio Lower Upper

113 100

111 101.7 82.3 123.5

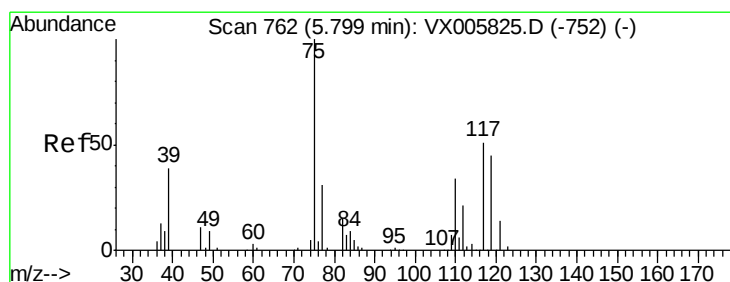
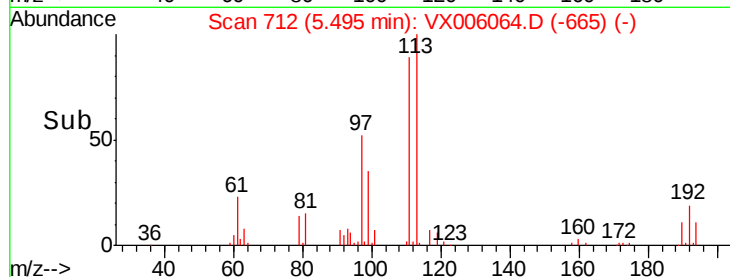
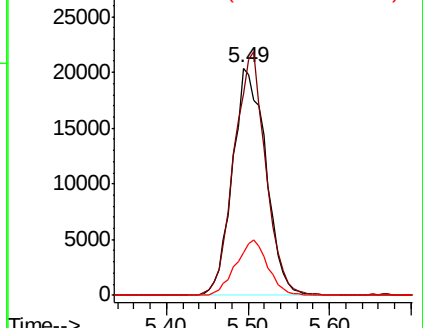
192 23.1 17.9 26.9



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: 18.213 ug/l

RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

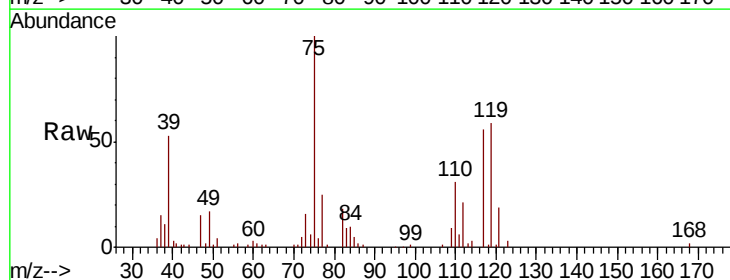
Tgt Ion: 75 Resp: 29252

Ion Ratio Lower Upper

75 100

110 37.4 17.4 52.2

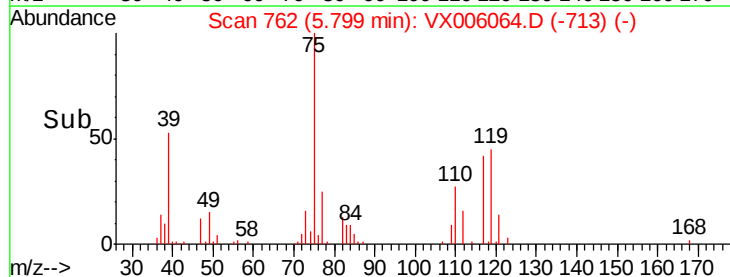
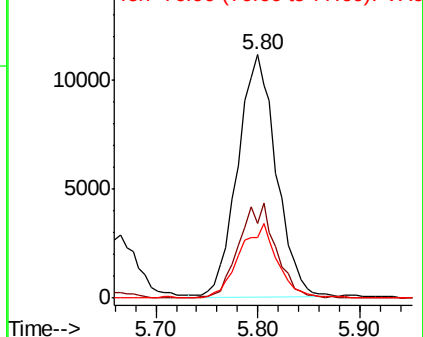
77 30.4 25.8 38.6

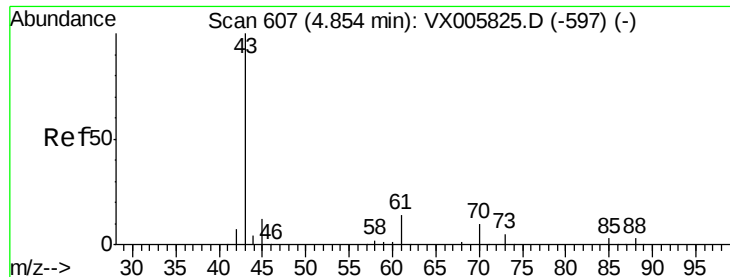


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

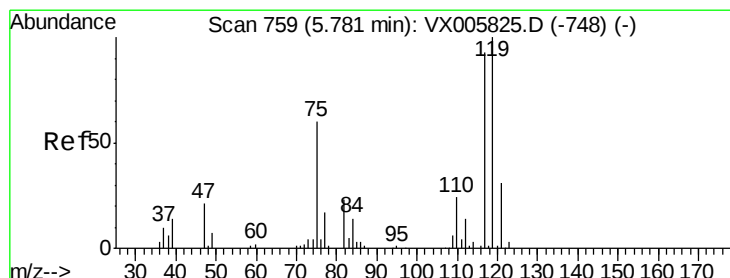
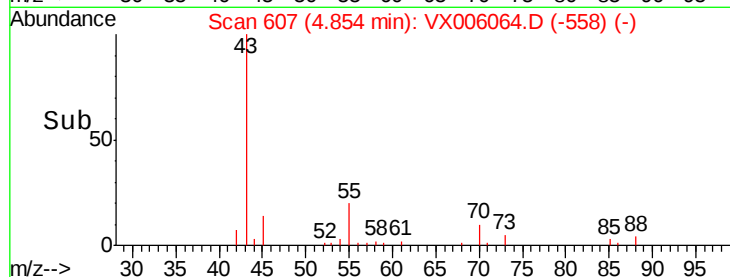
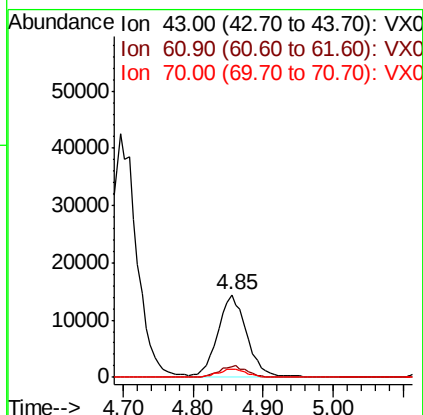
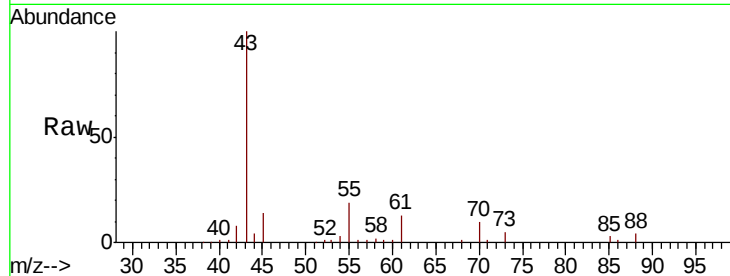




#37
Ethyl Acetate
Concen: 19.580 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

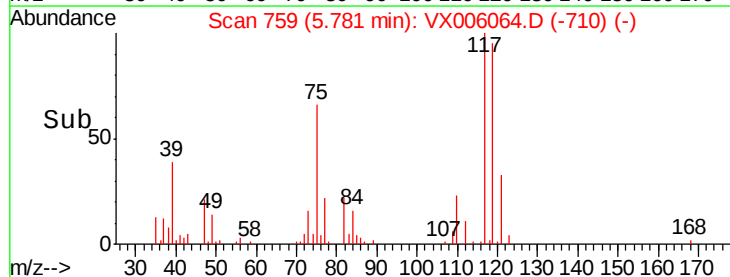
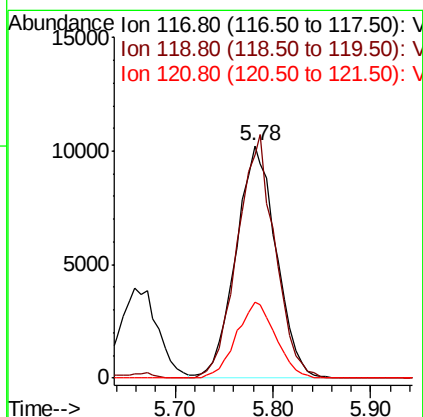
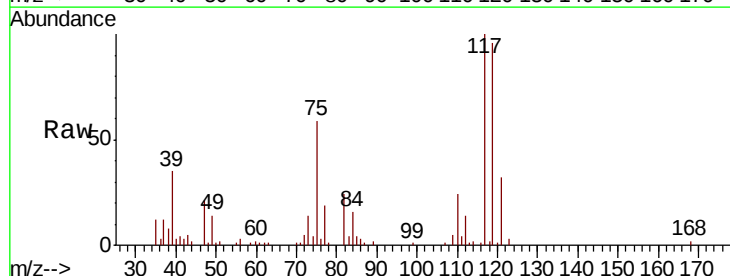
Instrument :
MSVOA_X
ClientSampled :
VX1117WBS01

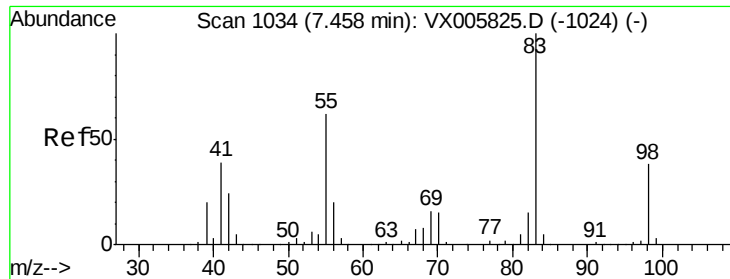
Tot Ion: 43 Resp: 41353
Ion Ratio Lower Upper
43 100
61 13.5 10.8 16.2
70 9.7 7.8 11.8



#38
Carbon Tetrachloride
Concen: 18.248 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 117 Resp: 29341
Ion Ratio Lower Upper
117 100
119 96.1 78.1 117.1
121 32.5 24.6 36.8

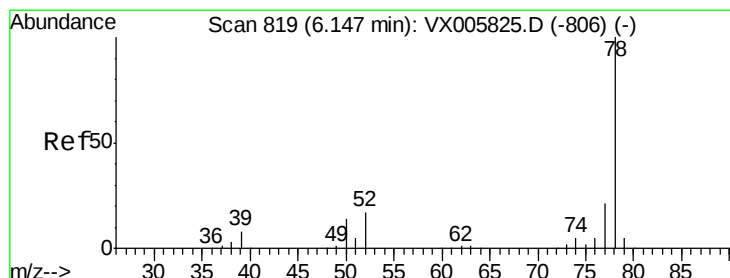
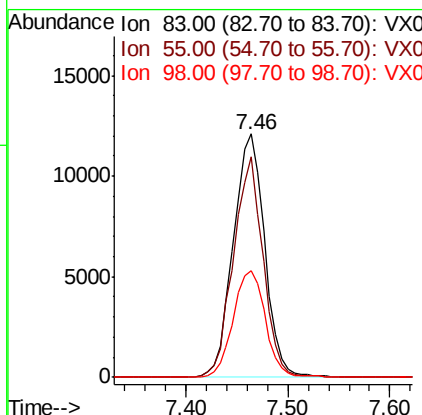
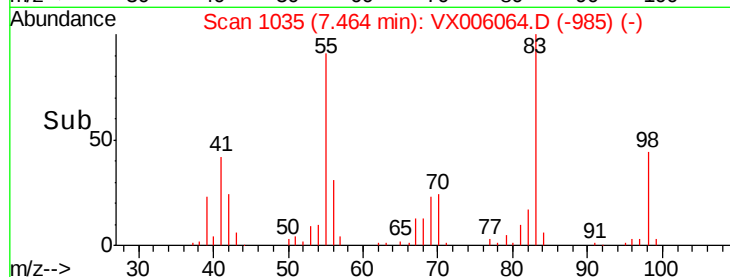
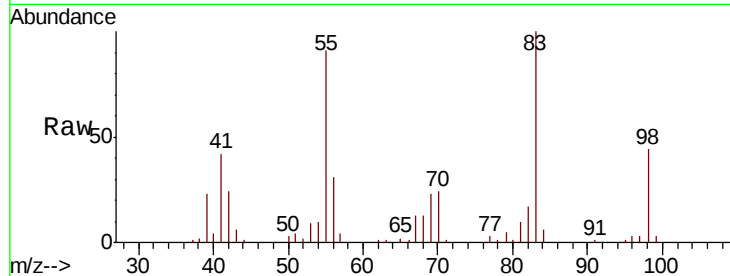




#39
Methvlcvclohexane
Concen: 15.842 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

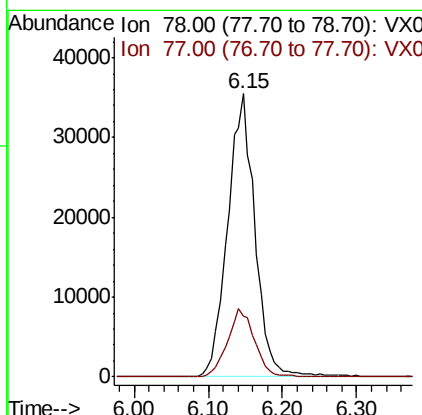
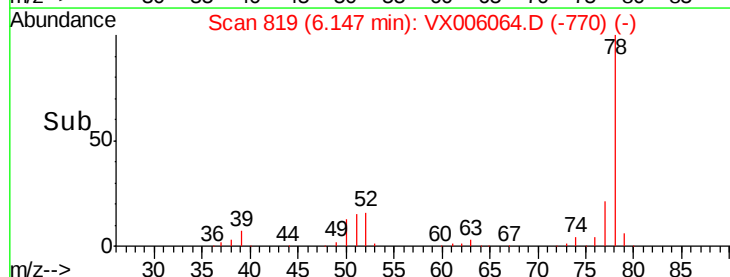
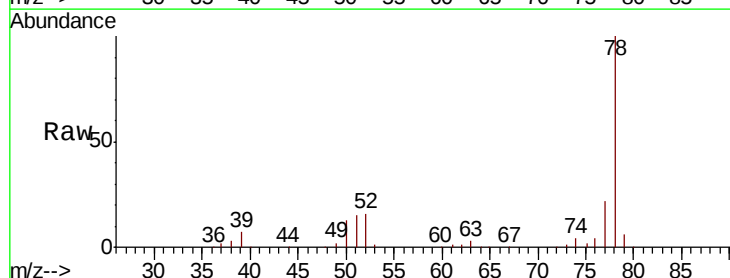
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBS01

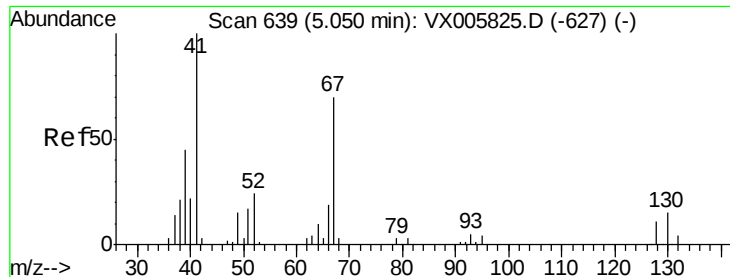
Tot Ion: 83 Resp: 25787
Ion Ratio Lower Upper
83 100
55 90.6 63.7 95.5
98 43.9 36.2 54.2



#40
Benzene
Concen: 19.383 ug/l
RT: 6.15 min Scan# 819
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 78 Resp: 90754
Ion Ratio Lower Upper
78 100
77 21.6 18.4 27.6

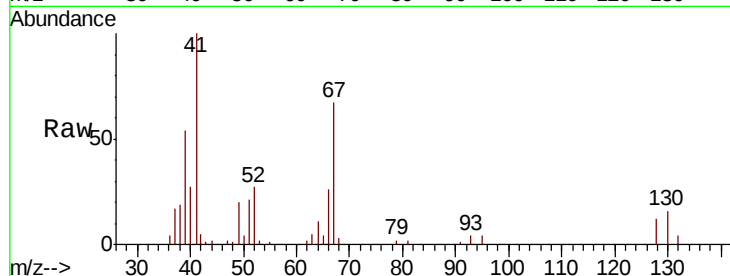




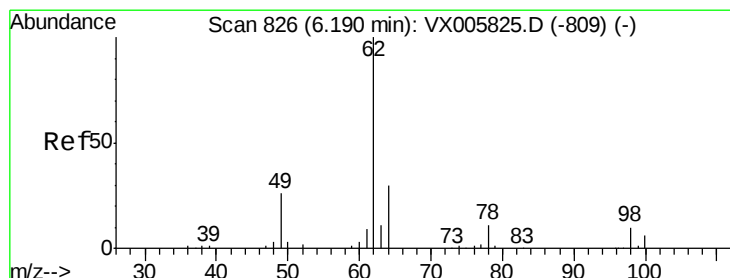
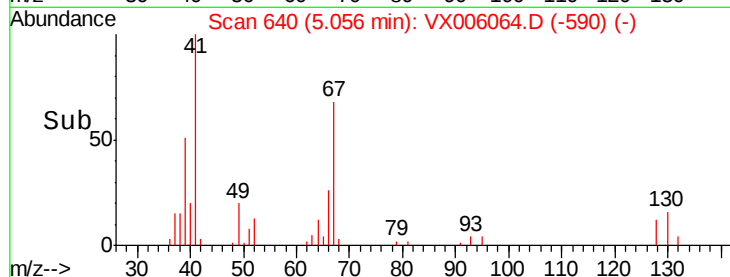
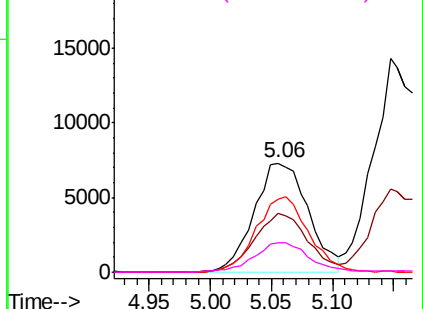
#41
Methacrylonitrile
Concen: 19.860 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBS01

Tot Ion:	41	Resp:	22665
Ion	Ratio	Lower	Upper
41	100		
39	52.7	42.2	63.2
67	66.5	53.4	80.0
52	27.6	23.4	35.2

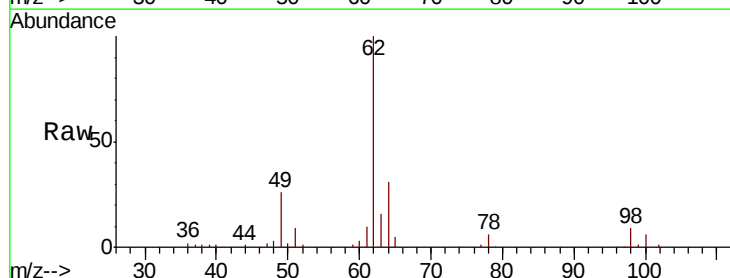


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

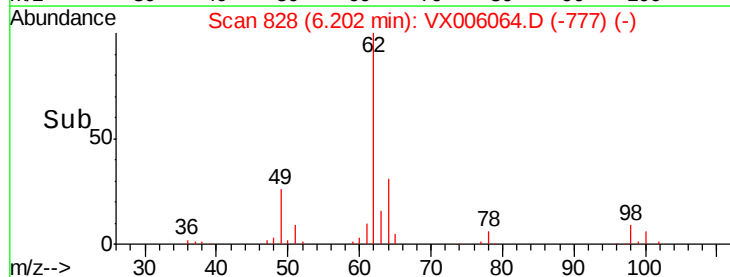
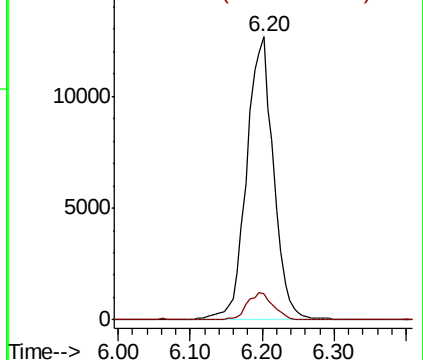


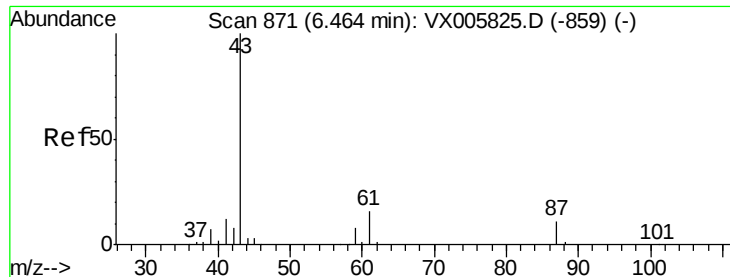
#42
1,2-Dichloroethane
Concen: 19.591 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion:	62	Resp:	32855
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: 18.511 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

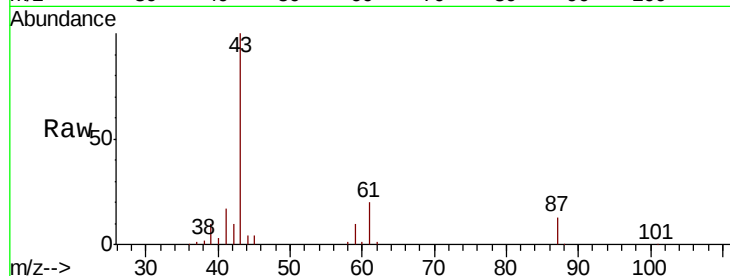
Tot Ion: 43 Resp: 56649

Ion Ratio Lower Upper

43 100

61 20.2 14.6 22.0

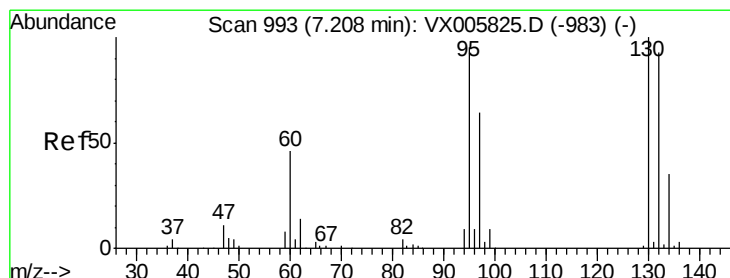
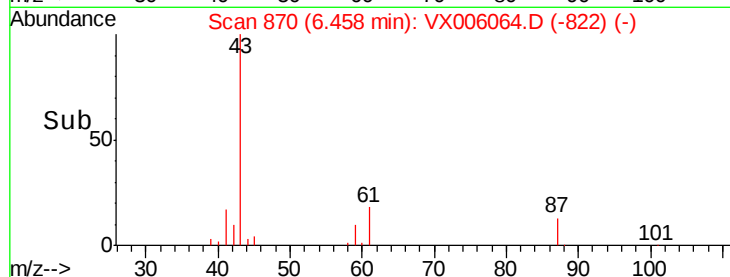
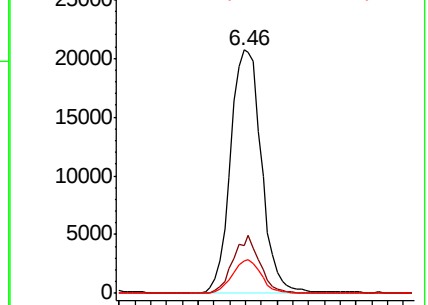
87 12.7 9.6 14.4



Abundance Ion 43.00 (42.70 to 43.70): VX005825.D (-859) (-)

Ion 61.00 (60.70 to 61.70): VX005825.D (-859) (-)

Ion 87.00 (86.70 to 87.70): VX005825.D (-859) (-)



#44

Trichloroethene

Concen: 17.976 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX006064.D

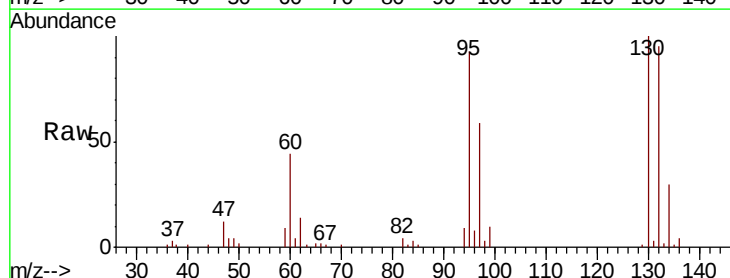
Acq: 17 Nov 2018 12:38

Tgt Ion:130 Resp: 21374

Ion Ratio Lower Upper

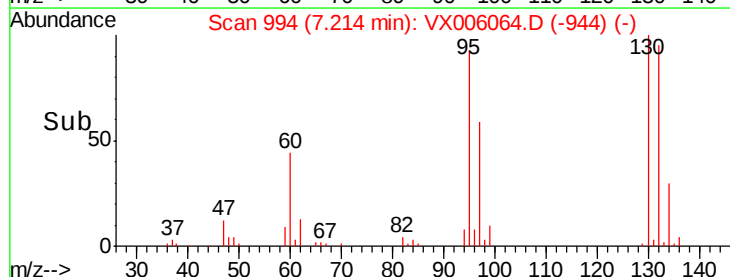
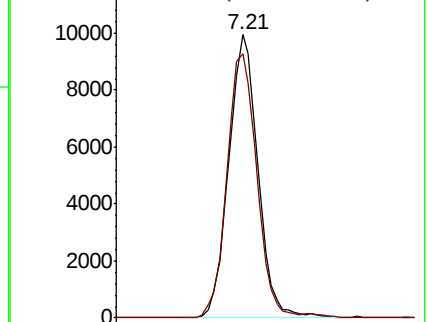
130 100

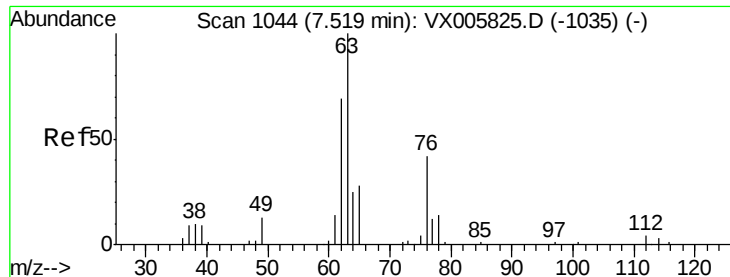
95 93.5 0.0 194.2



Abundance Ion 129.80 (129.50 to 130.50): VX005825.D (-983) (-)

Ion 94.90 (94.60 to 95.60): VX005825.D (-983) (-)

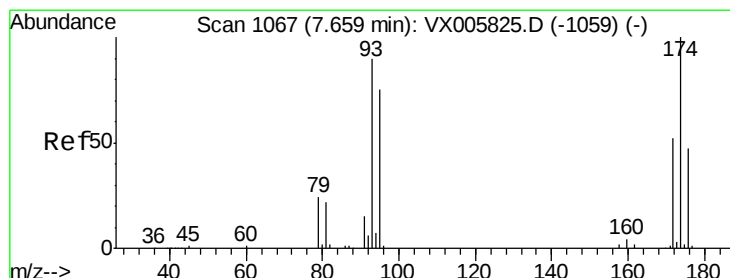
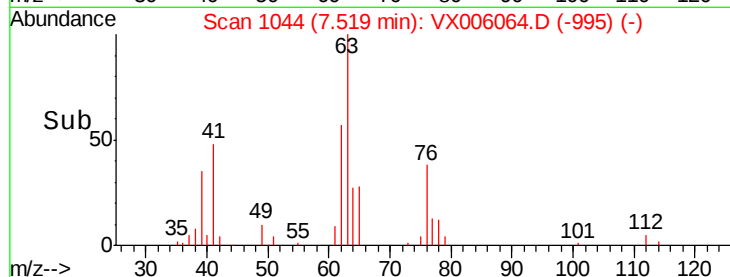
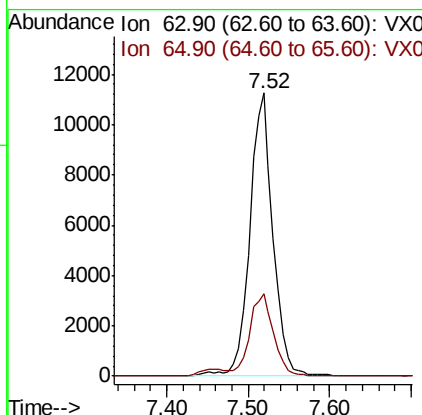
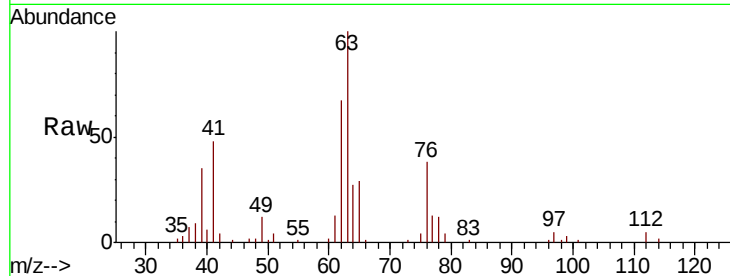




#45
 1,2-Dichloropropane
 Concen: 19.594 ug/l
 RT: 7.52 min Scan# 1044
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

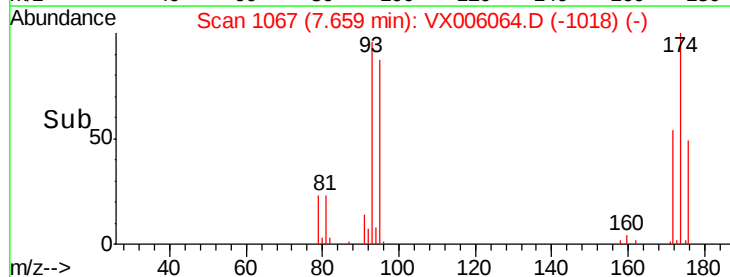
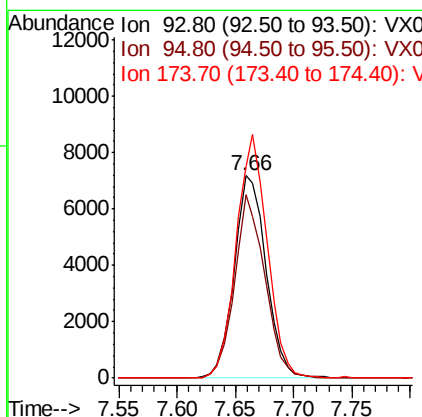
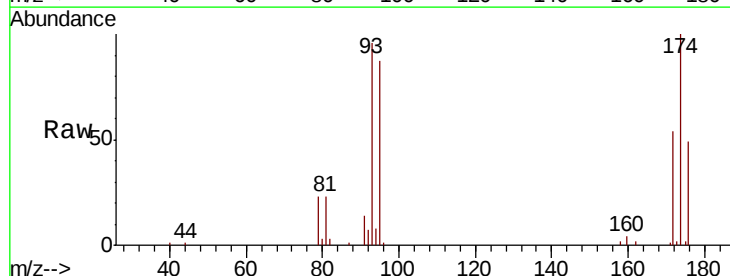
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

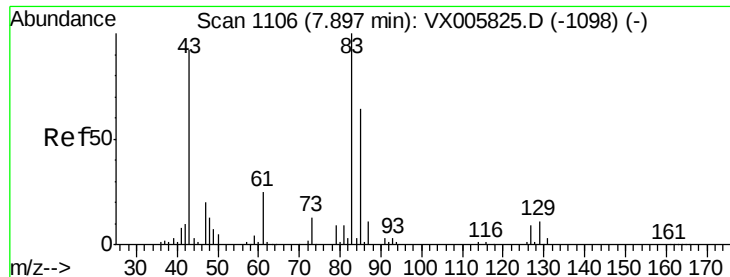
Tot Ion: 63 Resp: 22267
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.8 37.2



#46
 Dibromomethane
 Concen: 19.326 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion: 93 Resp: 13782
 Ion Ratio Lower Upper
 93 100
 95 85.5 67.4 101.0
 174 116.2 91.5 137.3





#47

Bromodichloromethane

Concen: 19.947 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

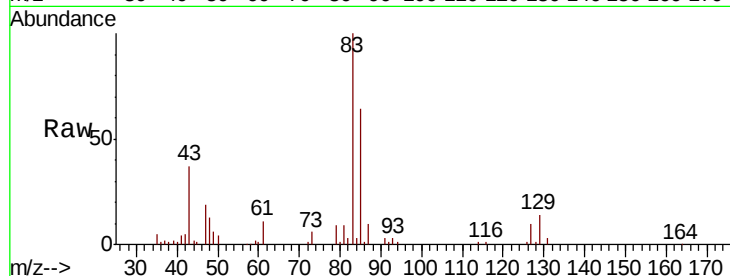
Tot Ion: 83 Resp: 26882

Ion Ratio Lower Upper

83 100

85 64.1 50.2 75.4

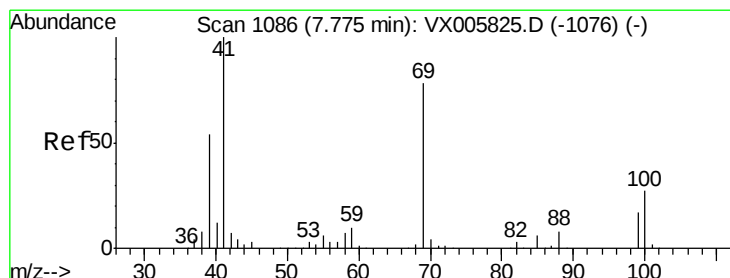
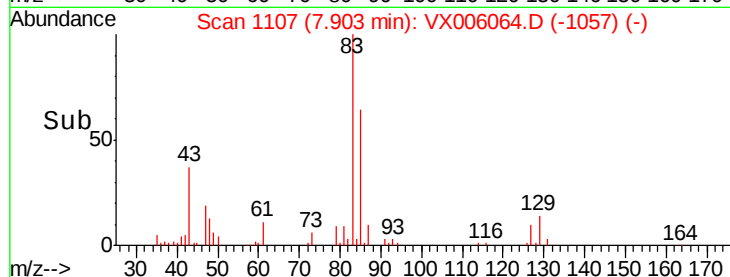
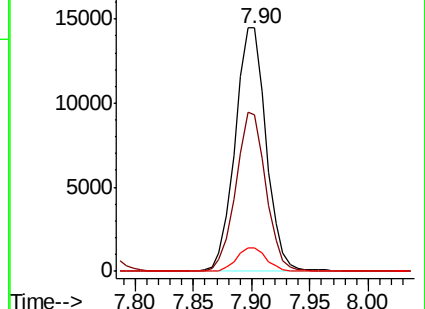
127 9.7 6.9 10.3



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: 19.422 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

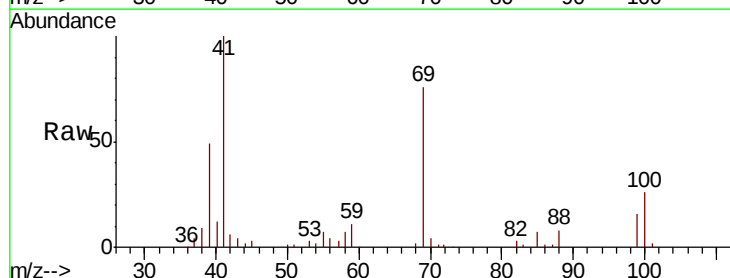
Tgt Ion: 41 Resp: 26689

Ion Ratio Lower Upper

41 100

69 78.9 63.2 94.8

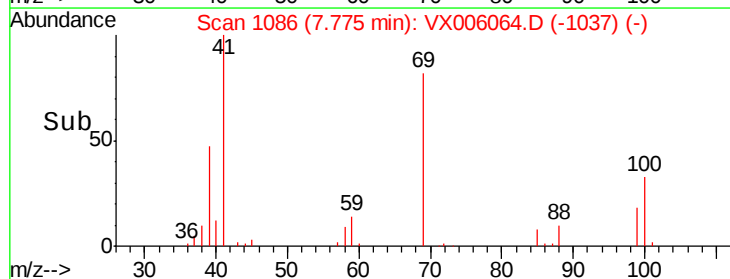
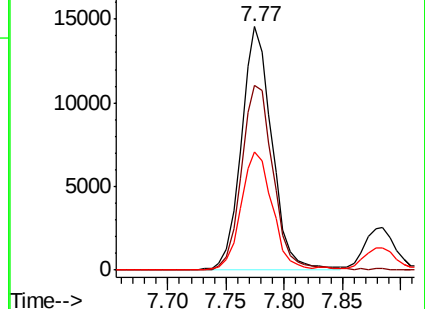
39 49.9 42.2 63.2

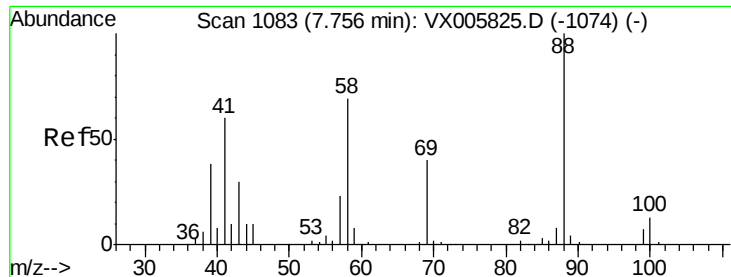


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

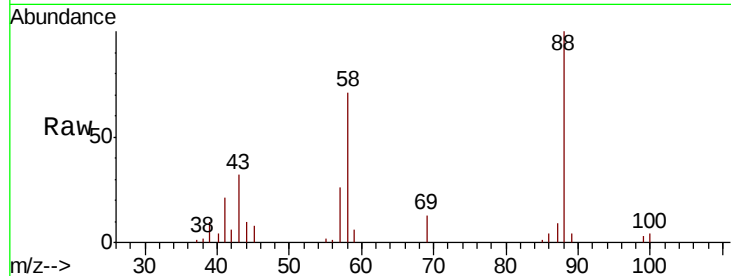




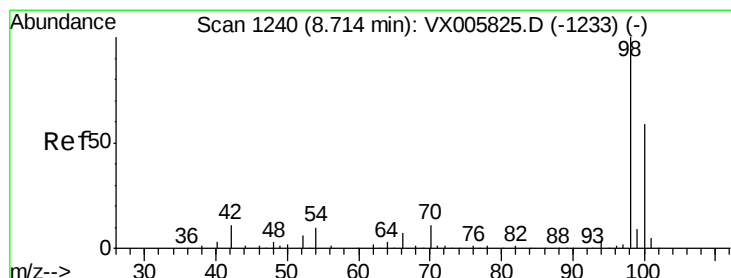
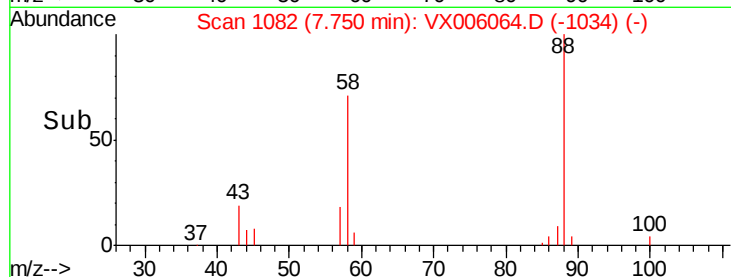
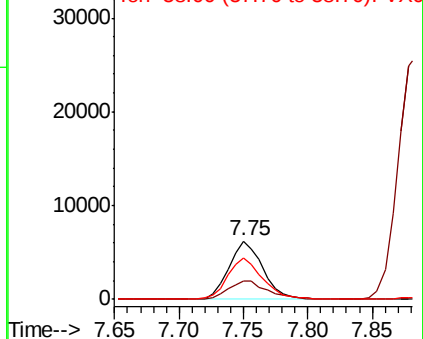
#49
1,4-Dioxane
Concen: 386.915 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Instrument :
MSVOA_X
ClientSampleId :
VX1117WBS01

Tot Ion: 88 Resp: 11457
Ion Ratio Lower Upper
88 100
43 37.2 27.4 41.0
58 73.5 59.4 89.2

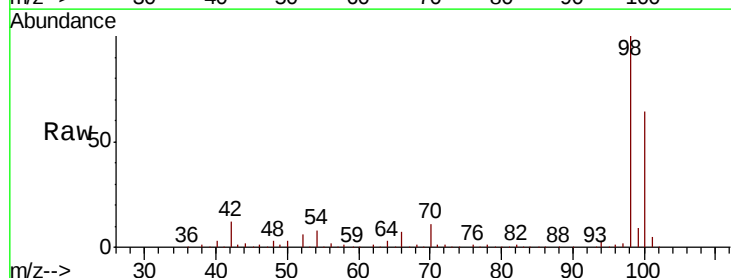


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

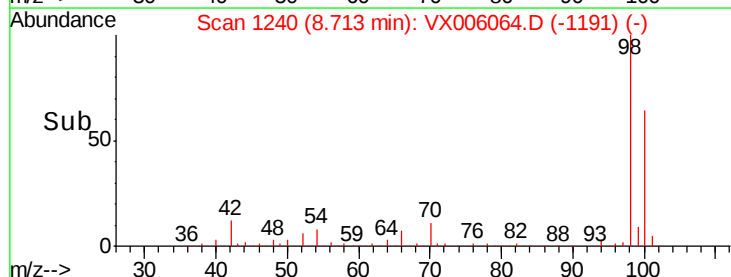
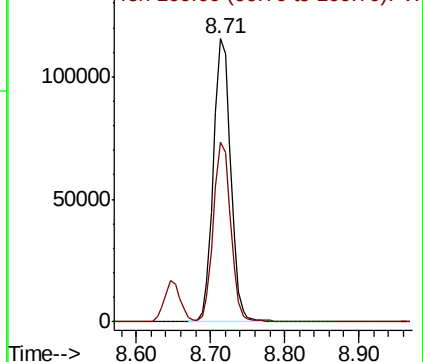


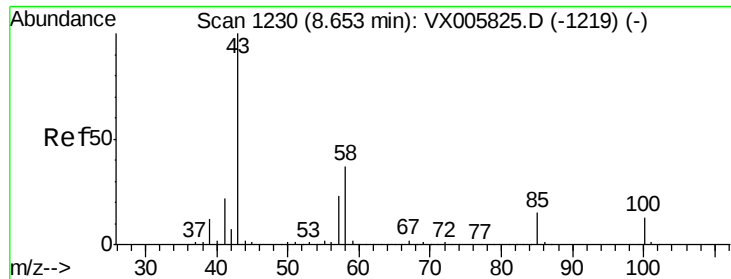
#50
Toluene-d8
Concen: 49.191 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 98 Resp: 185313
Ion Ratio Lower Upper
98 100
100 63.7 51.3 76.9



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

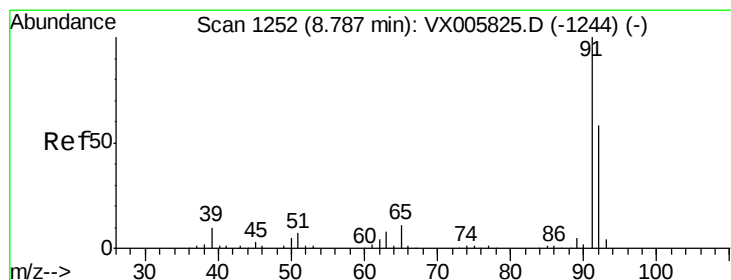
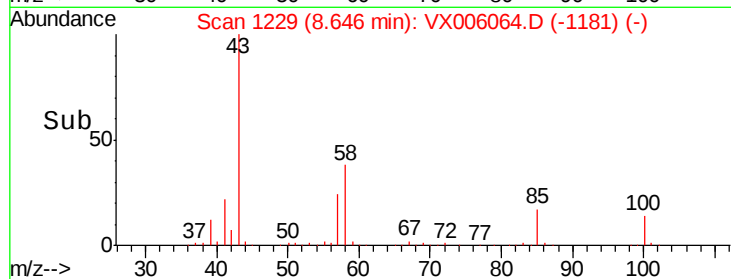
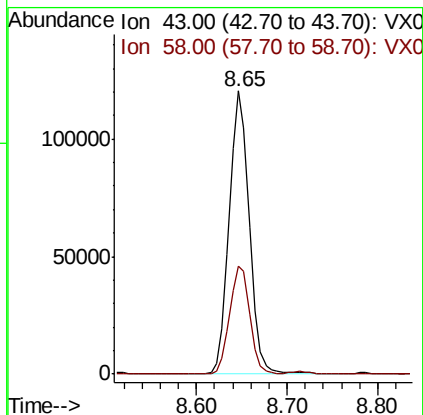
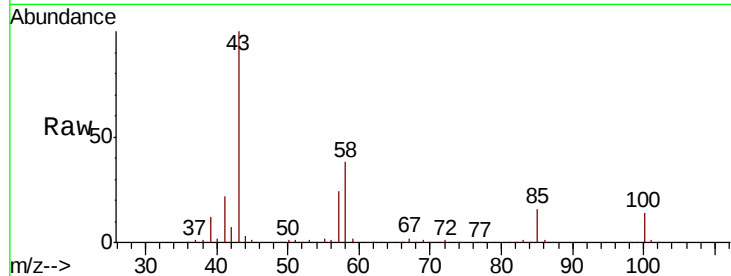




#51
4-Methyl-2-Pentanone
Concen: 96.329 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

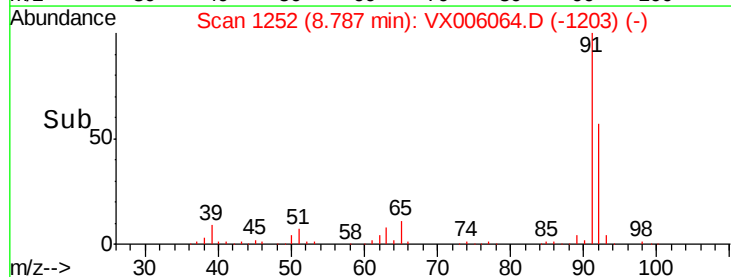
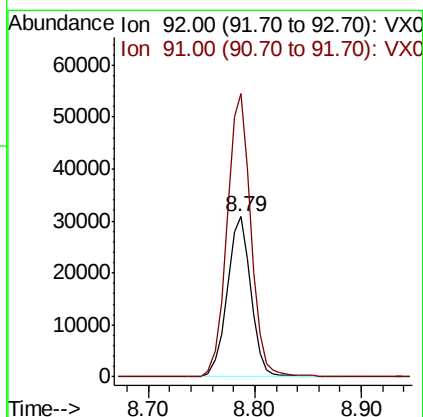
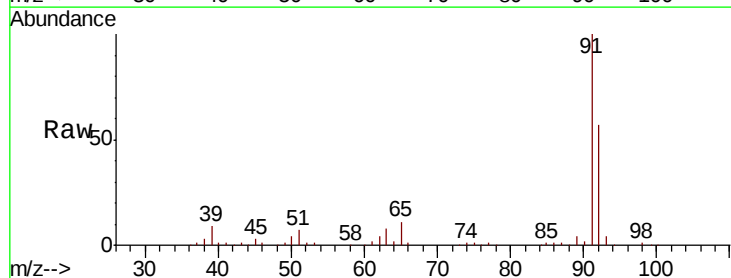
Instrument :
MSVOA_X
ClientSampled :
VX1117WBS01

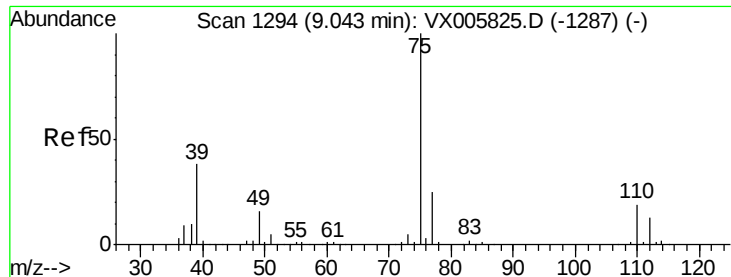
Tot Ion: 43 Resp: 185796
Ion Ratio Lower Upper
43 100
58 38.1 29.7 44.5



#52
Toluene
Concen: 18.431 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 92 Resp: 48230
Ion Ratio Lower Upper
92 100
91 177.4 140.4 210.6

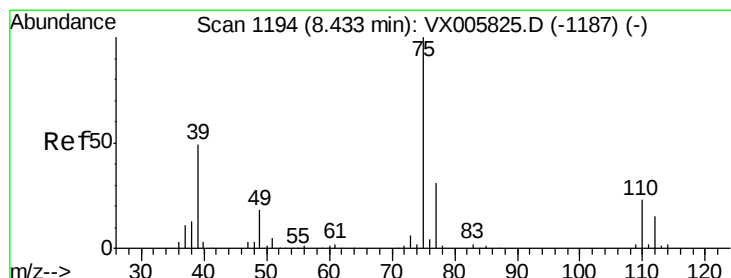
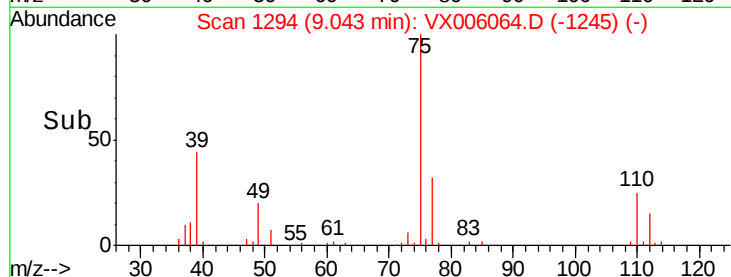
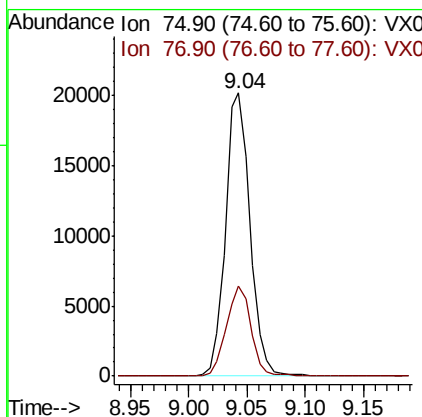
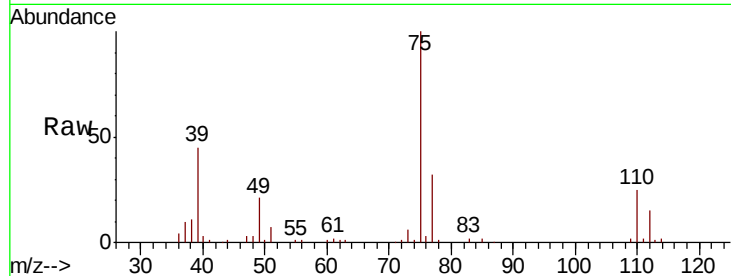




#53
 t-1,3-Dichloropropene
 Concen: 18.513 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

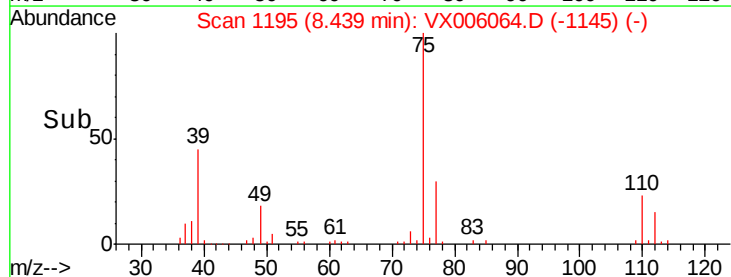
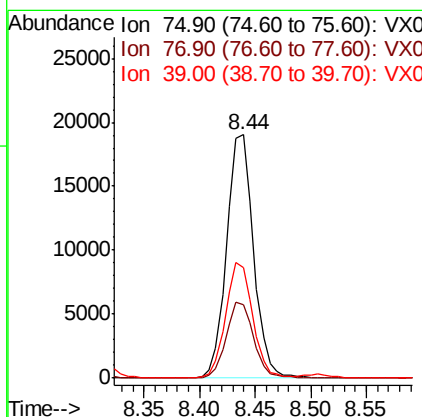
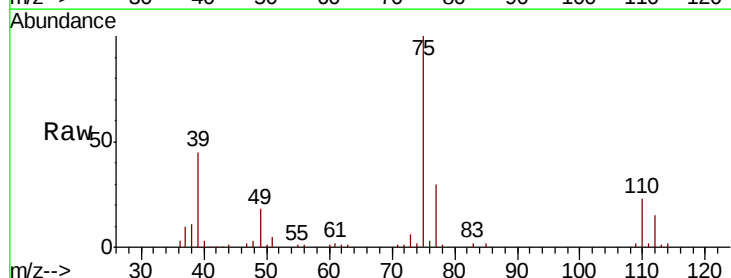
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

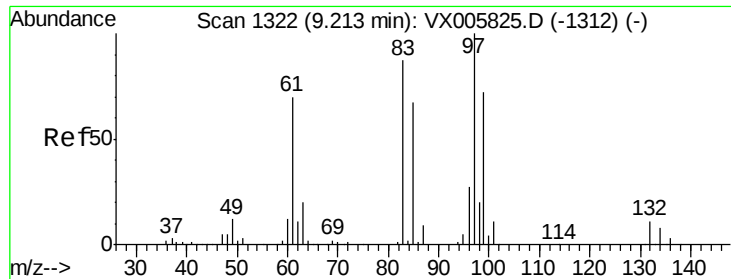
Tot Ion: 75 Resp: 29443
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.673 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion: 75 Resp: 31890
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.2 37.8
 39 45.0 38.2 57.2

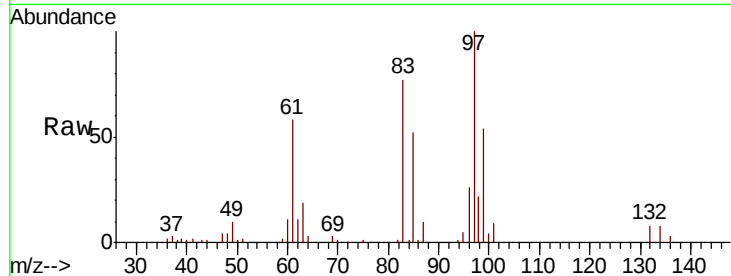




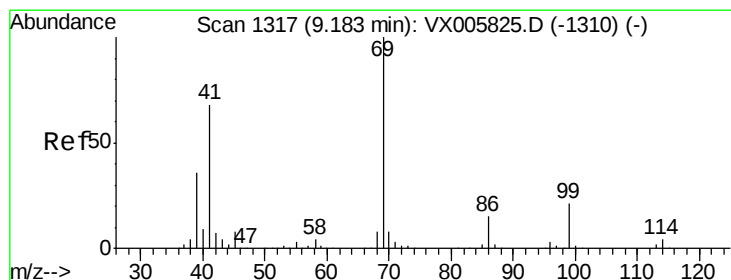
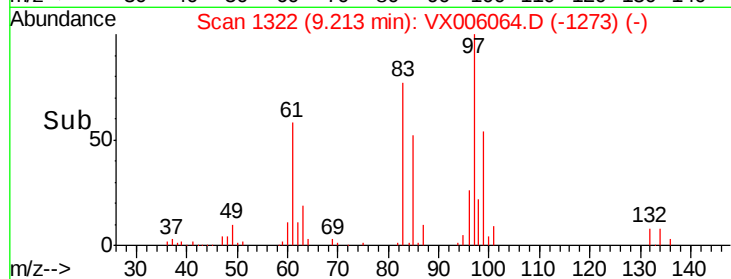
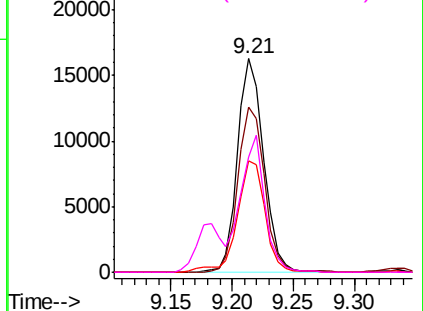
#55
 1,1,2-Trichloroethane
 Concen: 20.620 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

Tot Ion: 97 Resp: 24048
 Ion Ratio Lower Upper
 97 100
 83 77.2 70.7 106.1
 85 52.0 45.8 68.6
 99 54.2 51.8 77.8

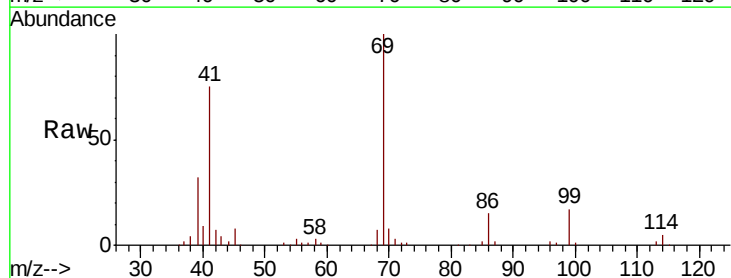


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

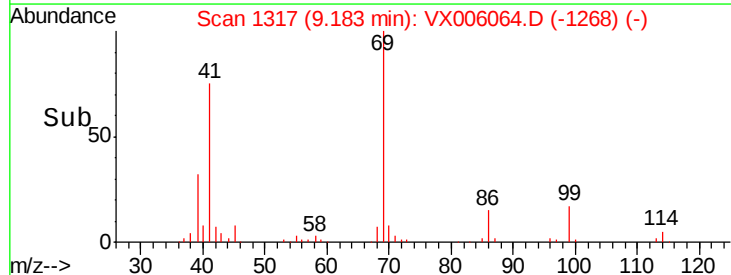
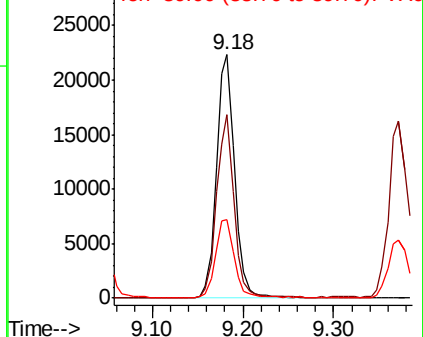


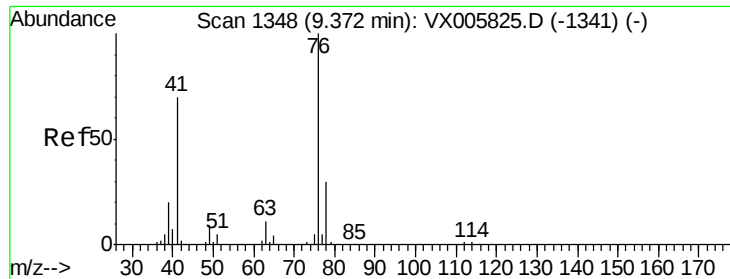
#56
 Ethyl methacrylate
 Concen: 17.939 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion: 69 Resp: 31303
 Ion Ratio Lower Upper
 69 100
 41 72.7 57.0 85.6
 39 33.8 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: 20.776 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

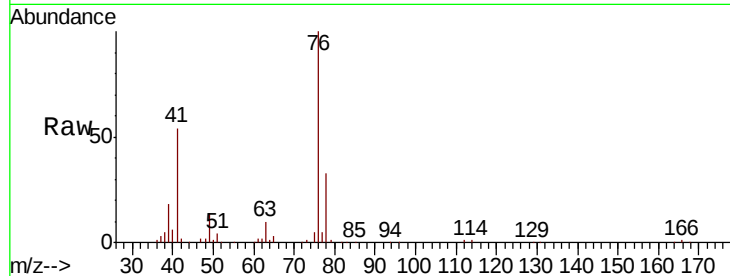
VX1117WBS01

Tot Ion: 76 Resp: 40718

Ion Ratio Lower Upper

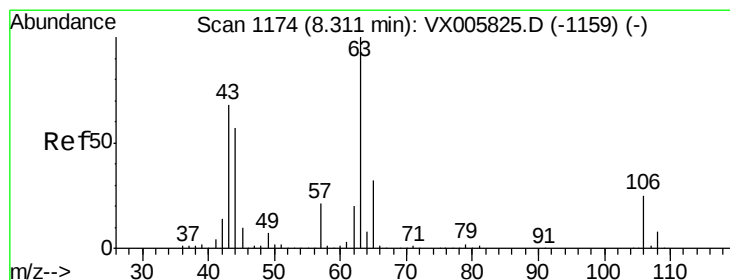
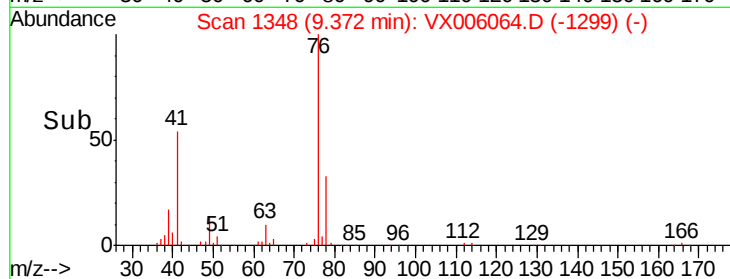
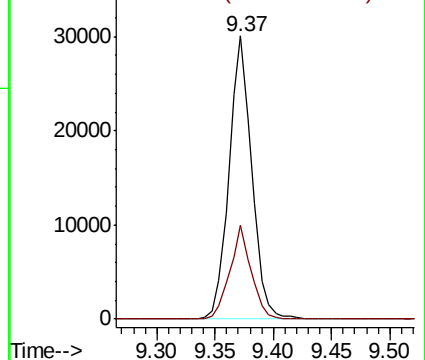
76 100

78 31.3 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: 97.436 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.00 min

Lab File: VX006064.D

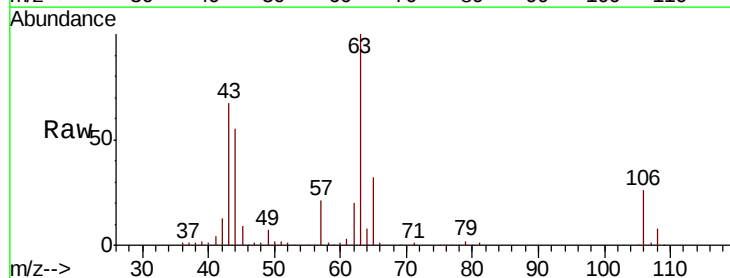
Acq: 17 Nov 2018 12:38

Tgt Ion: 63 Resp: 87678

Ion Ratio Lower Upper

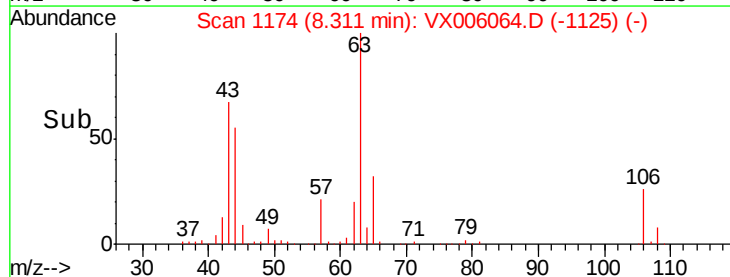
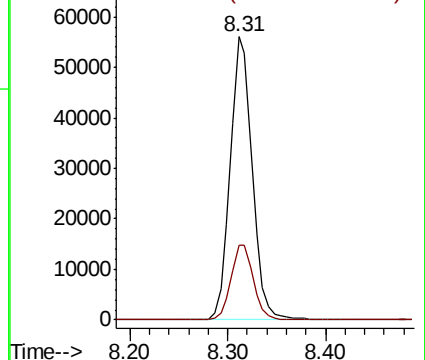
63 100

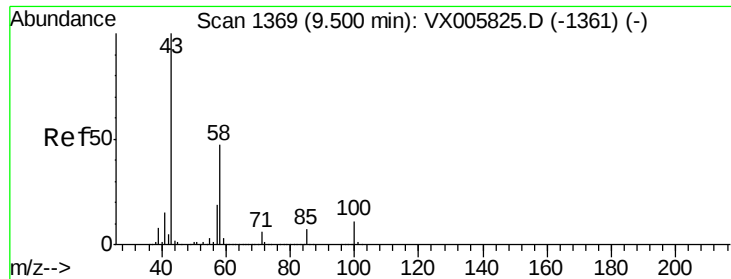
106 27.0 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

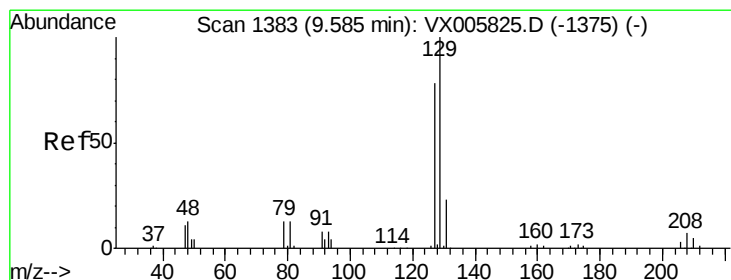
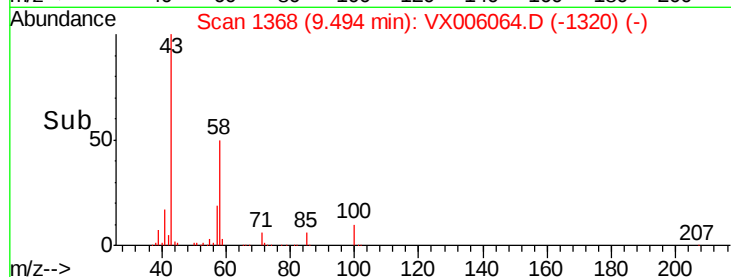
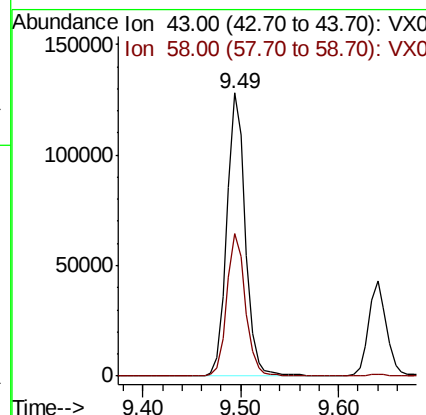
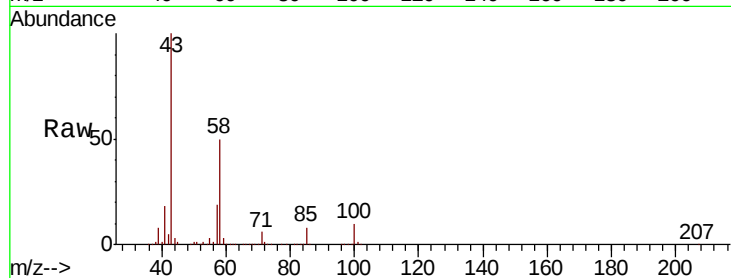




#59
2-Hexanone
Concen: 98.929 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

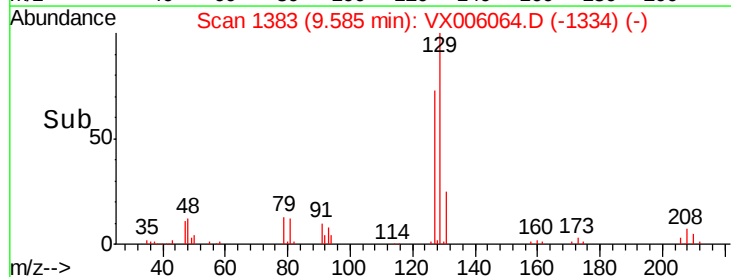
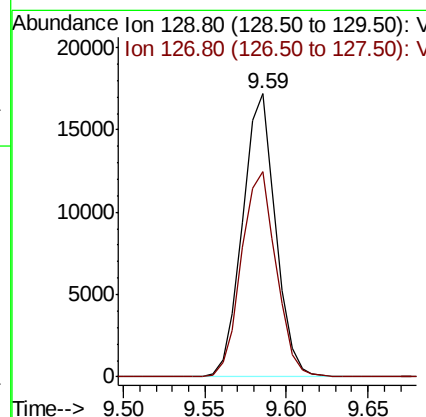
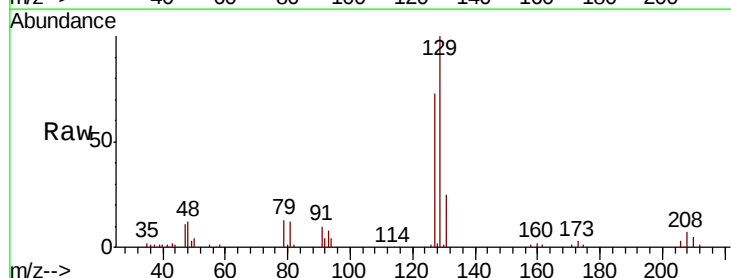
Instrument :
MSVOA_X
ClientSampled :
VX1117WBS01

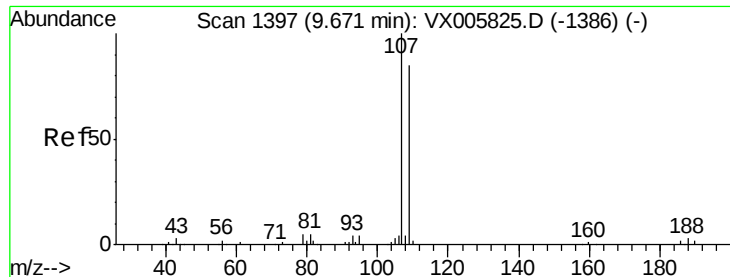
Tot Ion: 43 Resp: 168191
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.8



#60
Dibromochloromethane
Concen: 19.273 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 129 Resp: 24292
Ion Ratio Lower Upper
129 100
127 75.9 38.9 116.7

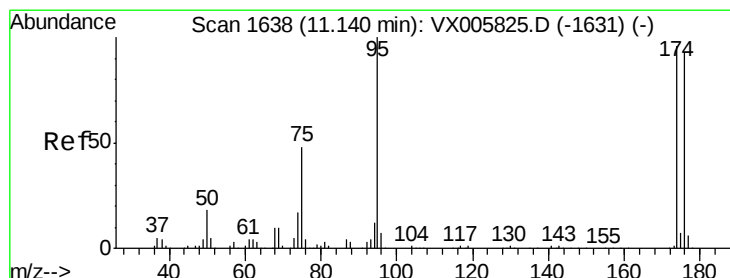
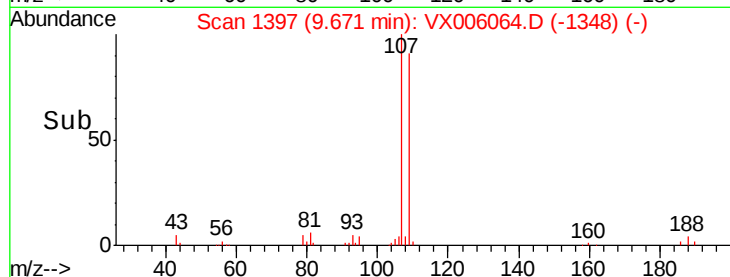
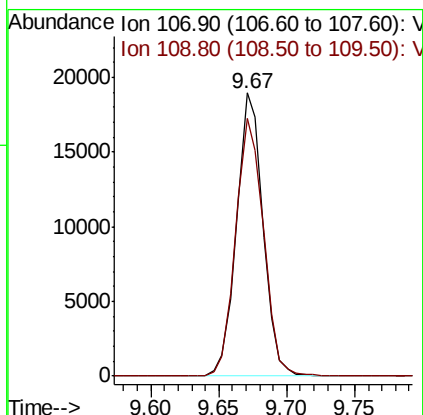
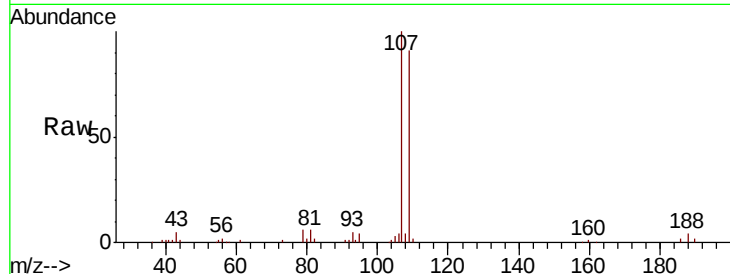




#61
 1,2-Dibromoethane
 Concen: 19.920 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

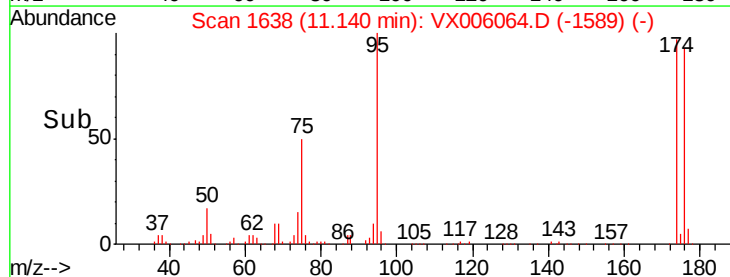
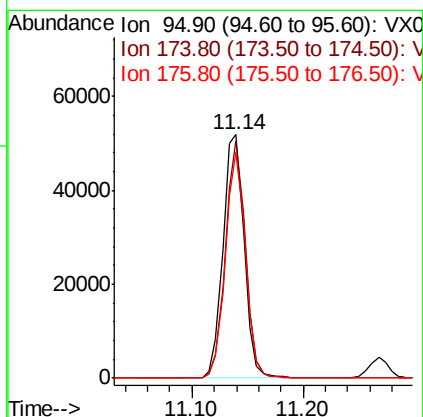
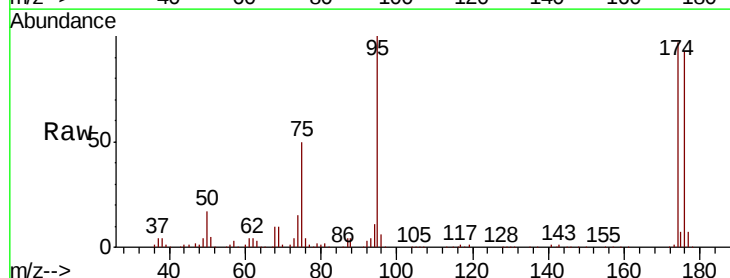
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

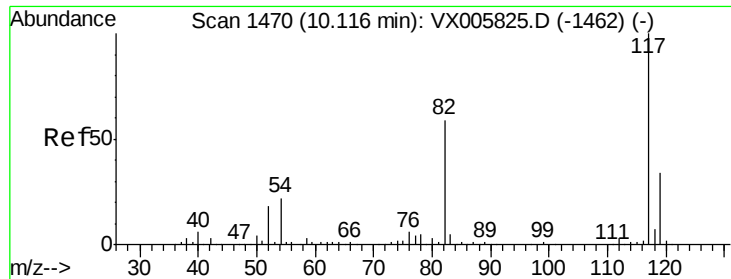
Tot Ion: 107 Resp: 25688
 Ion Ratio Lower Upper
 107 100
 109 96.1 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 50.523 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion: 95 Resp: 68431
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 184.4
 176 88.0 0.0 177.4

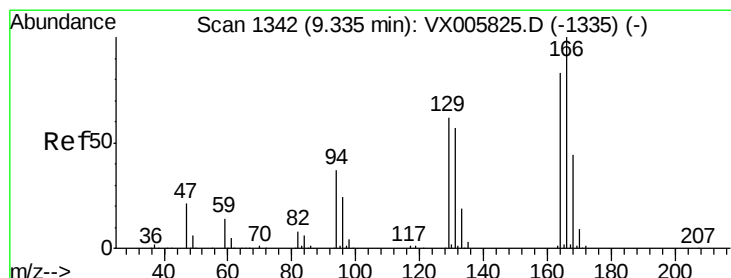
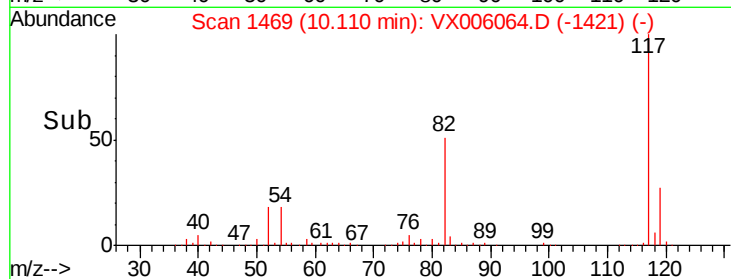
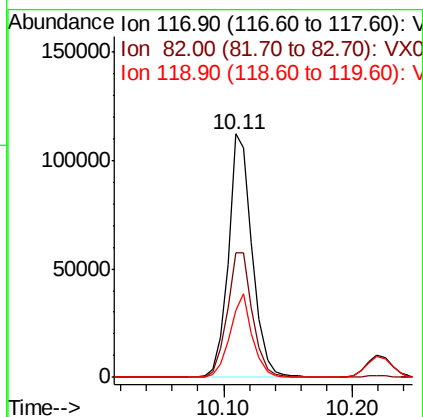
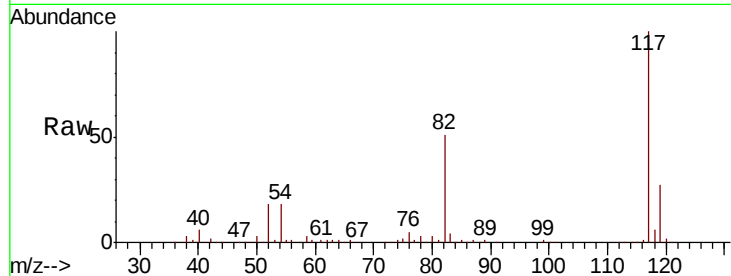




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

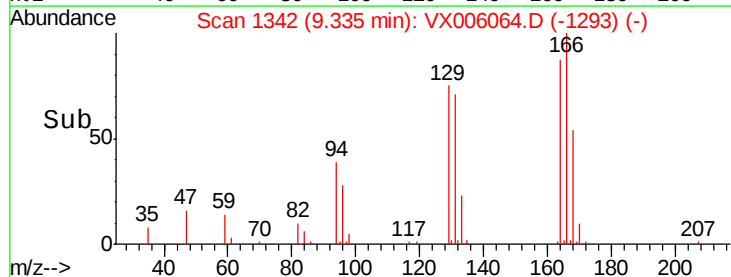
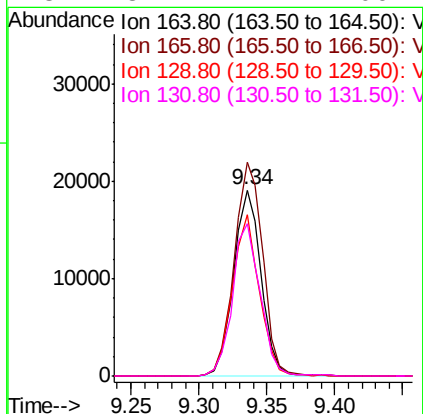
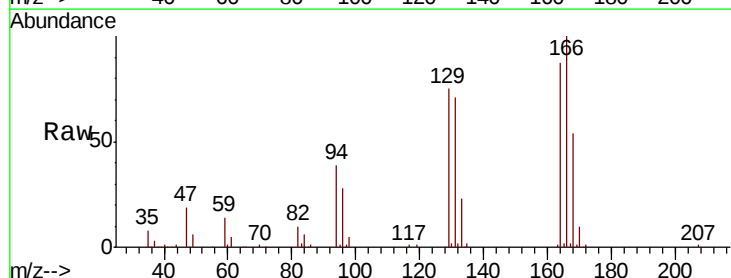
Instrument :
MSVOA_X
ClientSampled :
VX1117WBS01

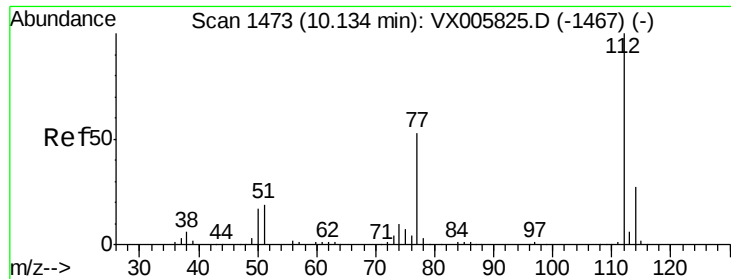
Tot Ion:117 Resp: 145046
Ion Ratio Lower Upper
117 100
82 51.2 44.1 66.1
119 27.4 26.2 39.2



#64
Tetrachloroethene
Concen: 21.681 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion:164 Resp: 26774
Ion Ratio Lower Upper
164 100
166 114.9 101.9 152.9
129 86.6 72.6 109.0
131 81.7 71.1 106.7





#65

Chlorobenzene

Concen: 19.683 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

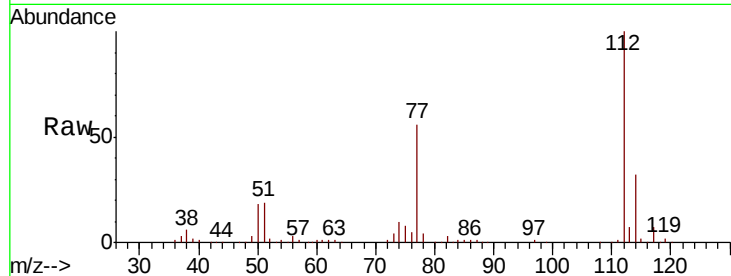
VX1117WBS01

Tot Ion:112 Resp: 57194

Ion Ratio Lower Upper

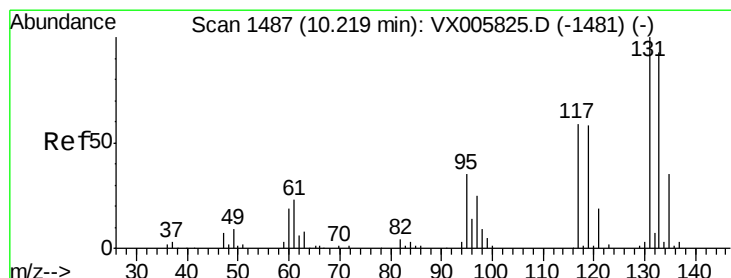
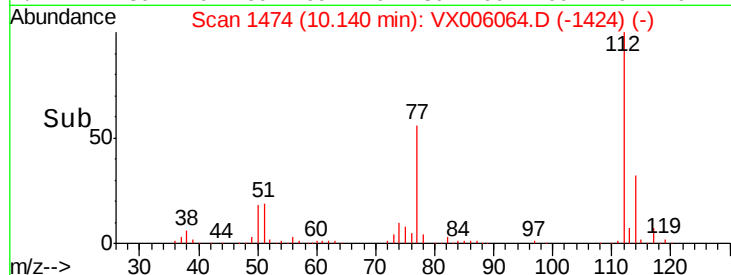
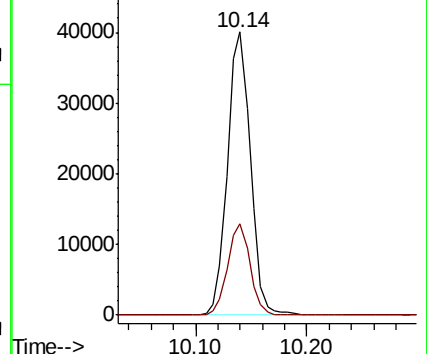
112 100

114 32.3 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: 20.535 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

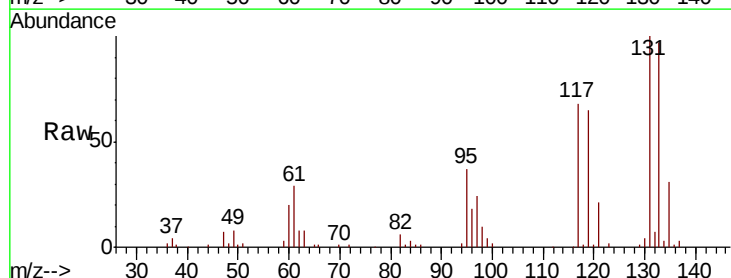
Tgt Ion:131 Resp: 20744

Ion Ratio Lower Upper

131 100

133 95.1 47.5 142.5

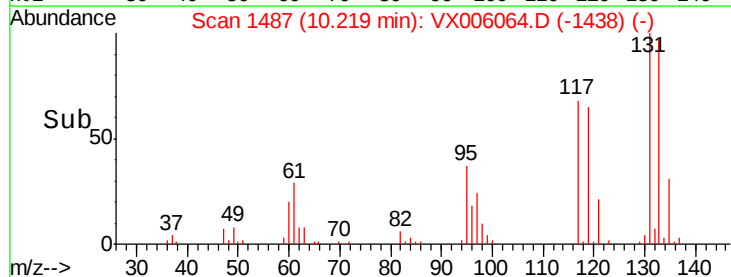
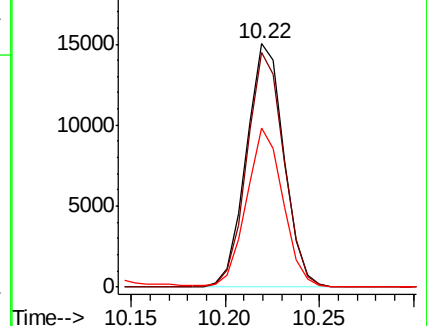
119 63.4 31.8 95.3

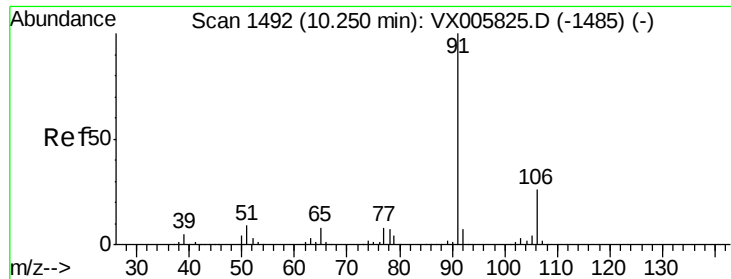


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.377 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampled :

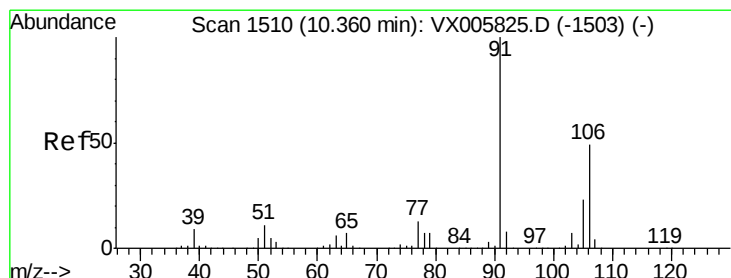
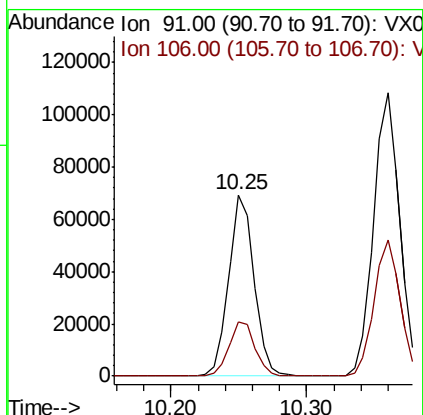
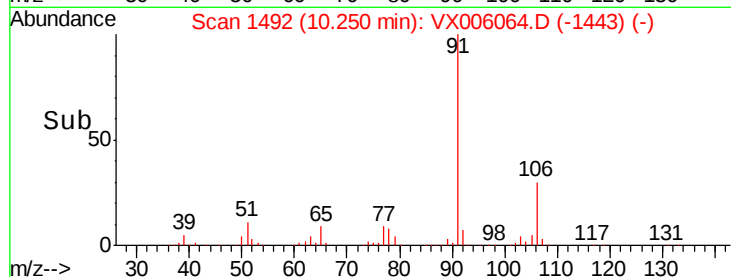
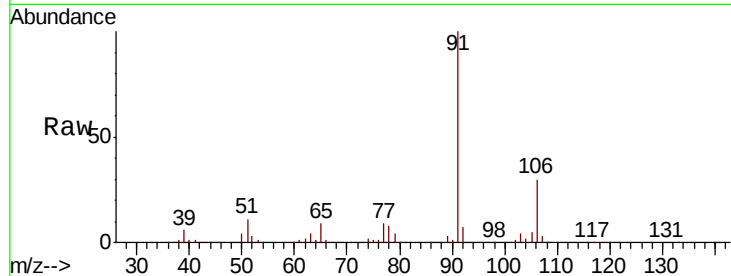
VX1117WBS01

Tot Ion: 91 Resp: 90285

Ion Ratio Lower Upper

91 100

106 30.0 24.4 36.6



#68

m/p-Xylenes

Concen: 39.445 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX006064.D

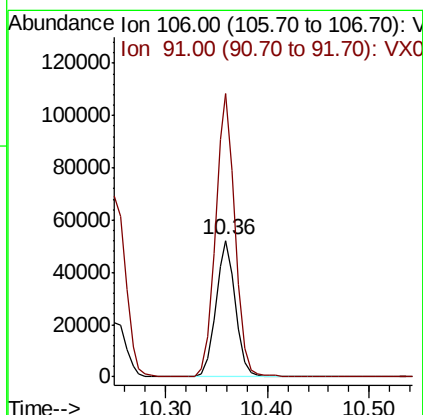
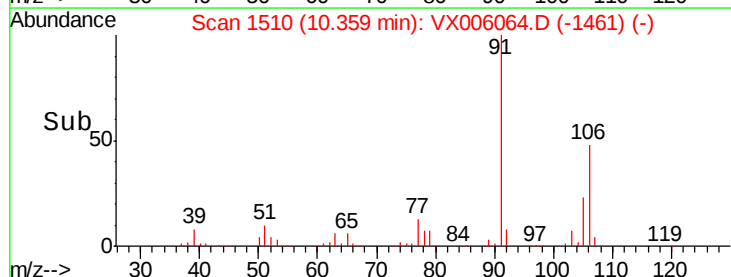
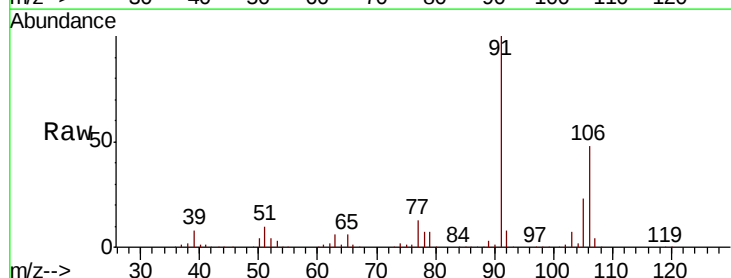
Acq: 17 Nov 2018 12:38

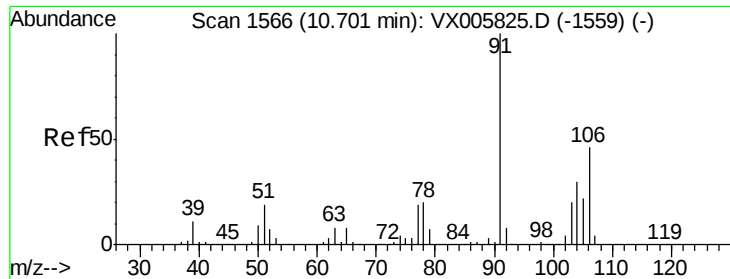
Tgt Ion: 106 Resp: 70104

Ion Ratio Lower Upper

106 100

91 206.8 164.2 246.4

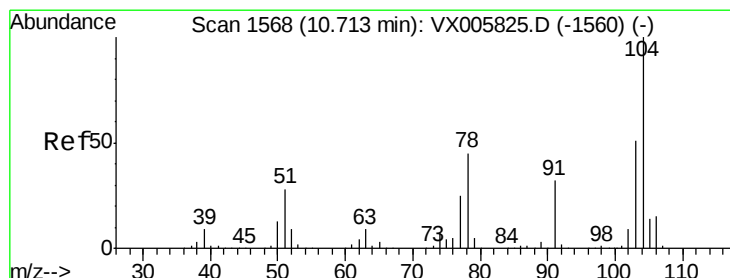
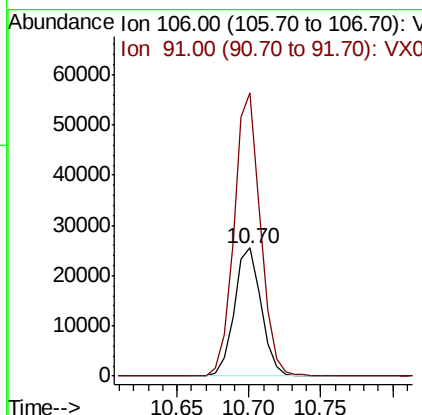
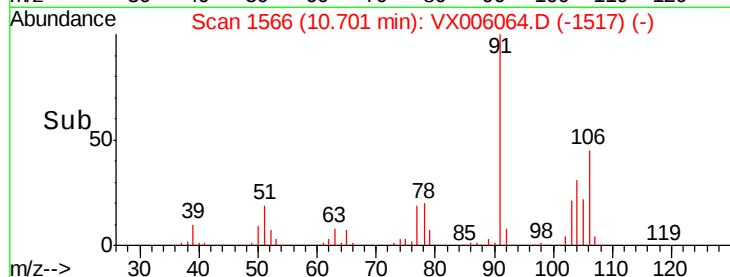
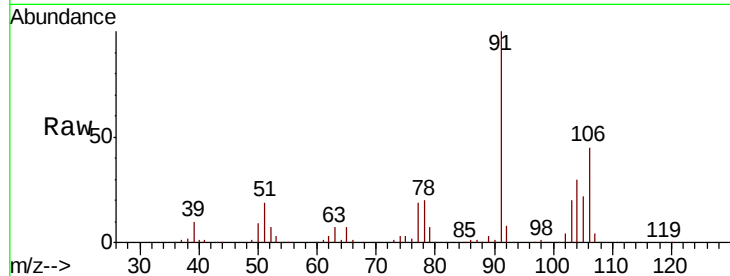




#69
o-Xylene
Concen: 20.892 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

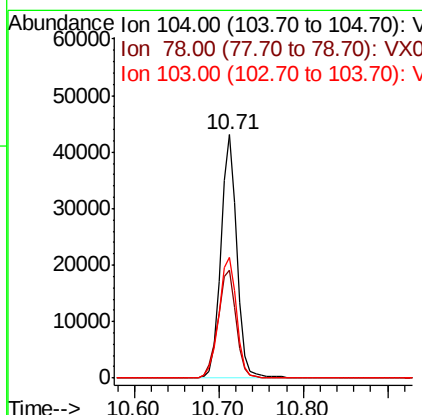
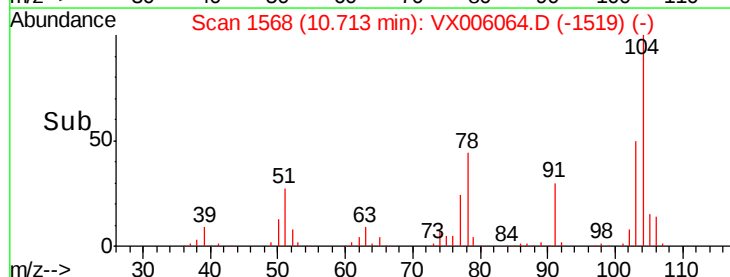
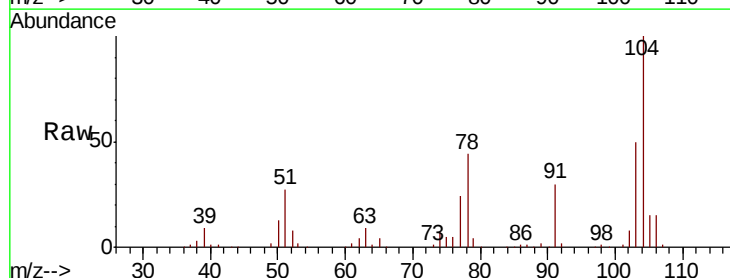
Instrument :
MSVOA_X
ClientSampleId :
VX1117WBS01

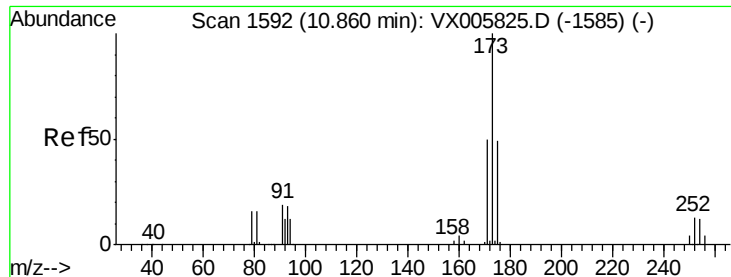
Tot Ion:106 Resp: 33295
Ion Ratio Lower Upper
106 100
91 216.7 108.5 325.5



#70
Styrene
Concen: 21.570 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion:104 Resp: 56707
Ion Ratio Lower Upper
104 100
78 50.4 40.2 60.4
103 55.3 44.9 67.3





#71

Bromoform

Concen: 20.897 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

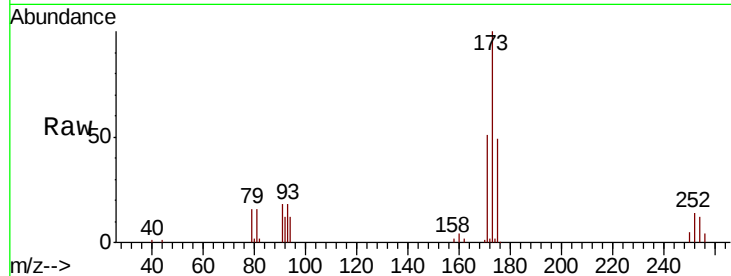
Tot Ion:173 Resp: 17696

Ion Ratio Lower Upper

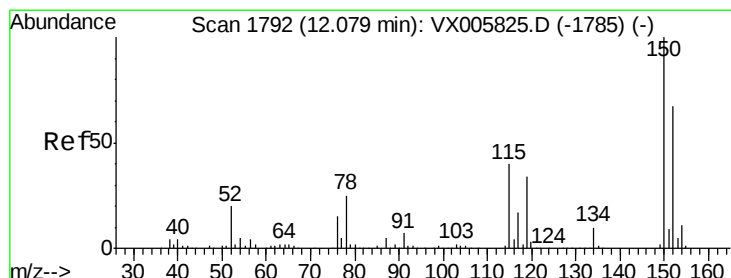
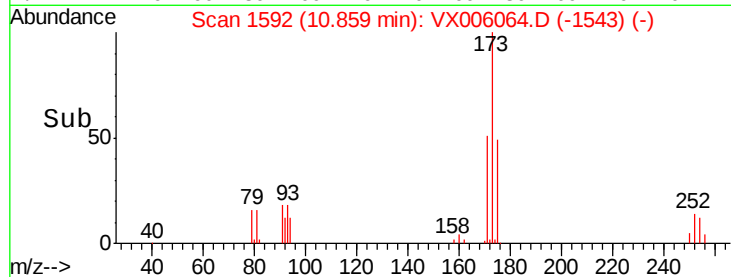
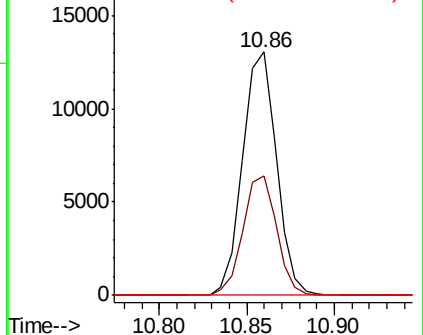
173 100

175 48.7 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: VX006064.D

Acq: 17 Nov 2018 12:38

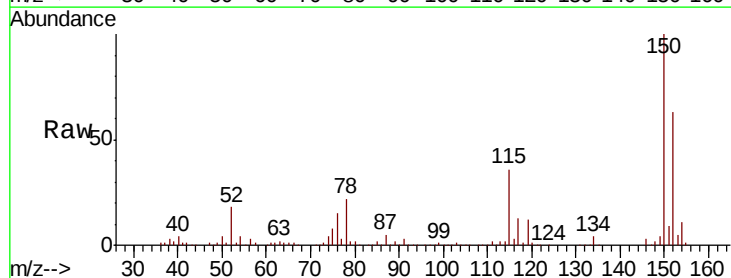
Tgt Ion:152 Resp: 95870

Ion Ratio Lower Upper

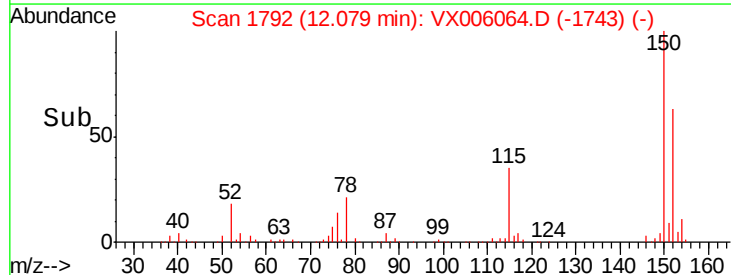
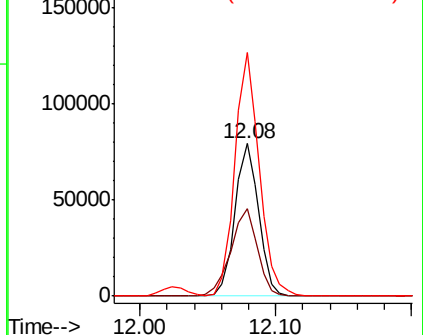
152 100

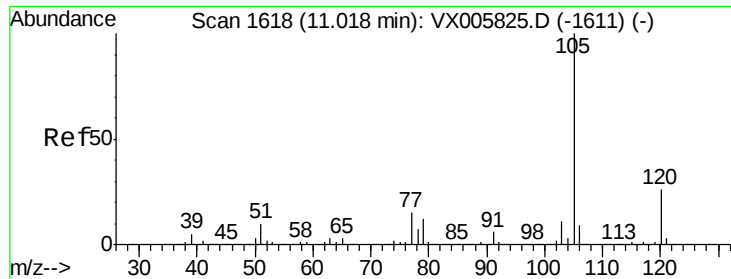
115 64.3 39.4 118.1

150 165.0 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: 17.051 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

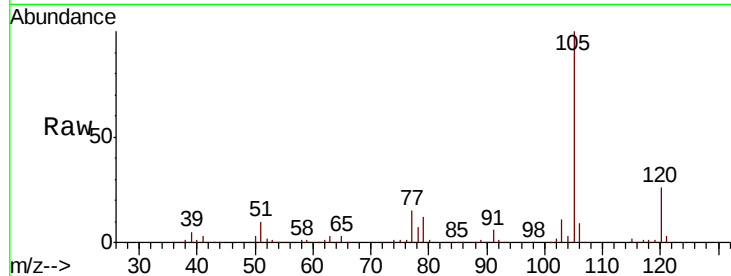
VX1117WBS01

Tot Ion:105 Resp: 94531

Ion Ratio Lower Upper

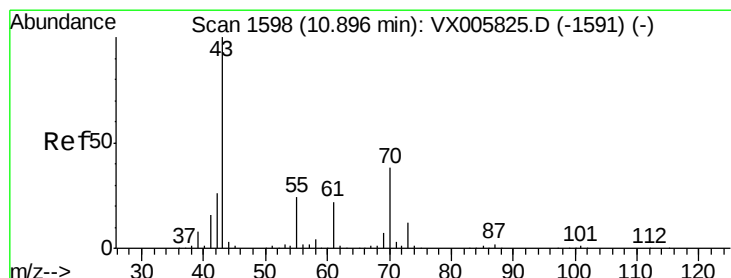
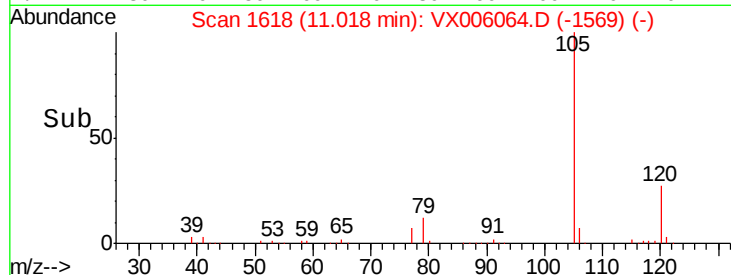
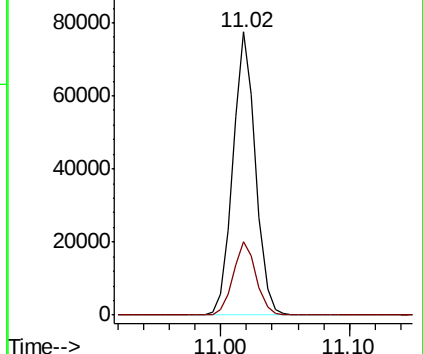
105 100

120 26.4 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 15.087 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Tgt Ion: 43 Resp: 44146

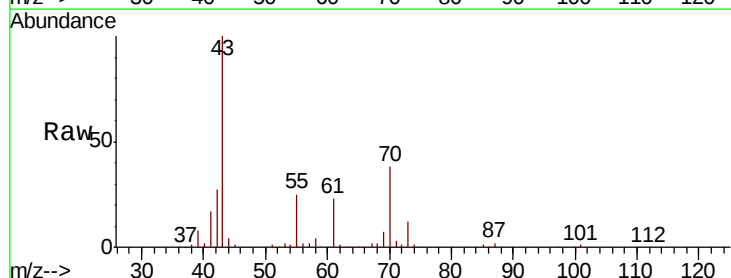
Ion Ratio Lower Upper

43 100

70 40.2 31.6 47.4

55 25.2 19.7 29.5

61 23.0 18.3 27.5

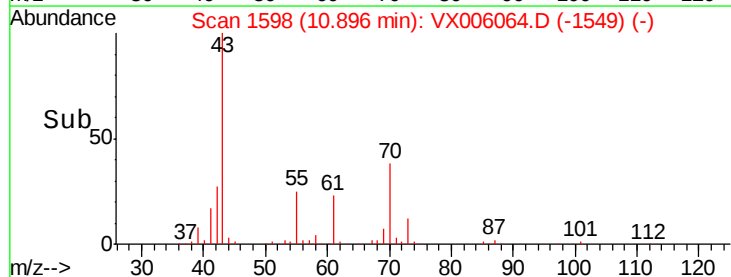
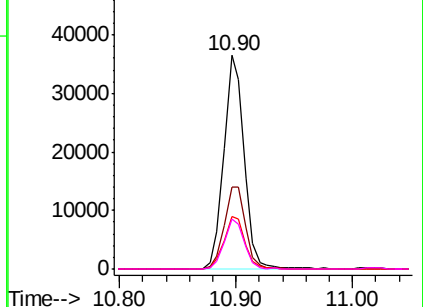


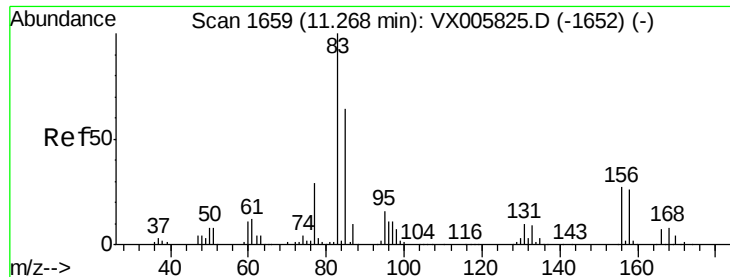
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 16.564 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

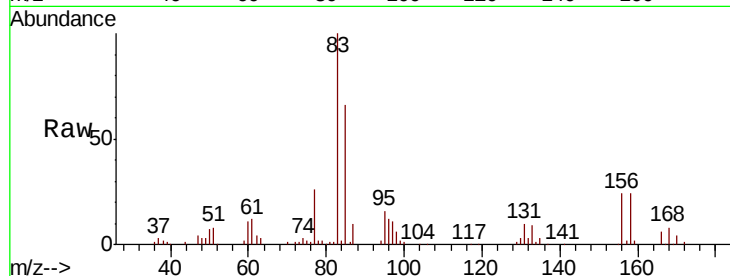
Tot Ion: 83 Resp: 33706

Ion Ratio Lower Upper

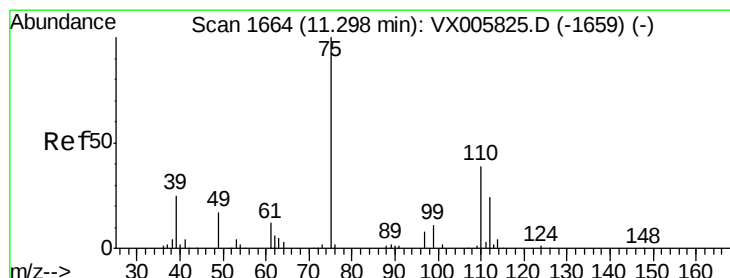
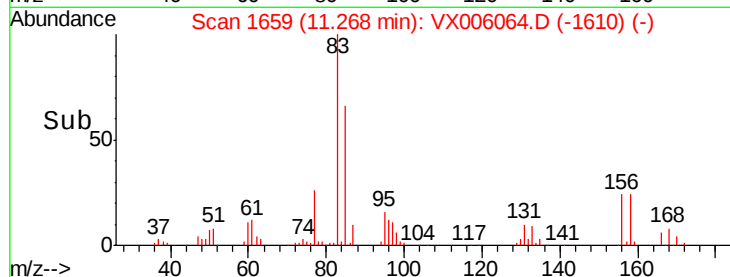
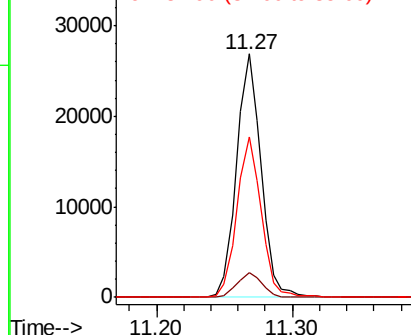
83 100

131 10.3 5.3 15.9

85 65.5 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: 20.481 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX006064.D

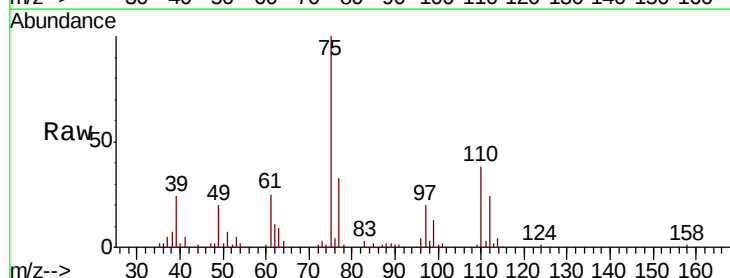
Acq: 17 Nov 2018 12:38

Tgt Ion: 75 Resp: 39982

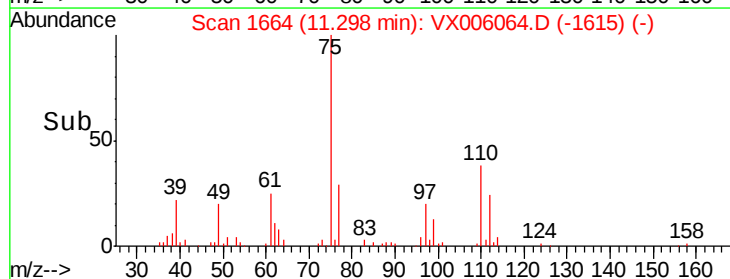
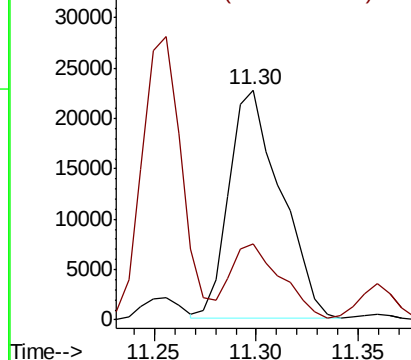
Ion Ratio Lower Upper

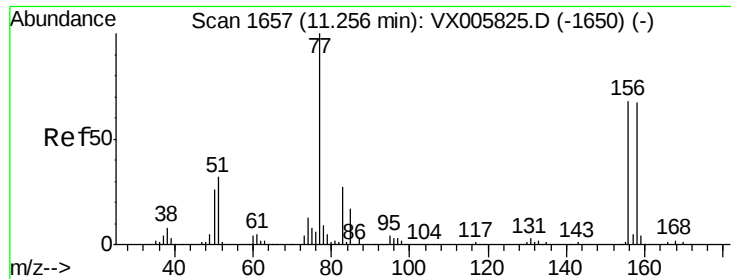
75 100

77 32.5 20.5 61.6



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





#77

Bromobenzene

Concen: 16.382 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

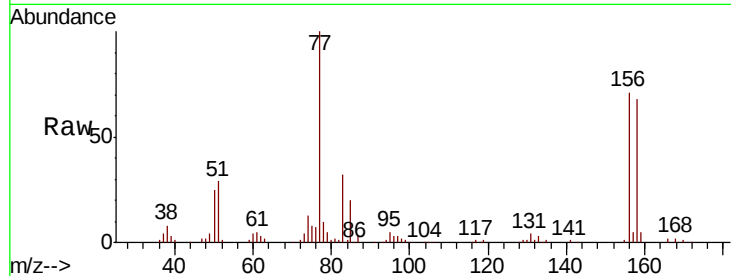
Tot Ion:156 Resp: 25599

Ion Ratio Lower Upper

156 100

77 149.2 74.8 224.4

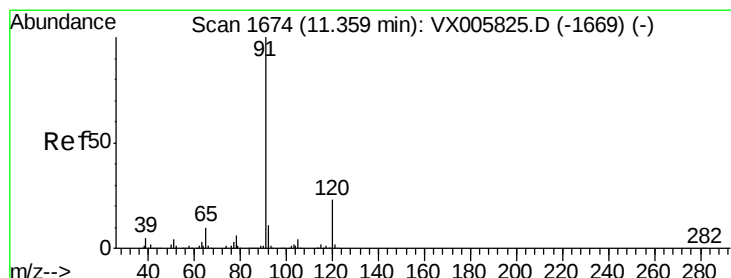
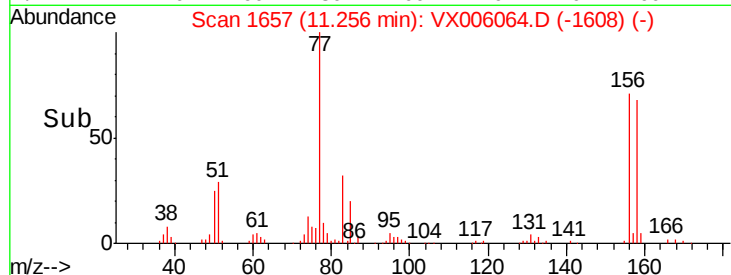
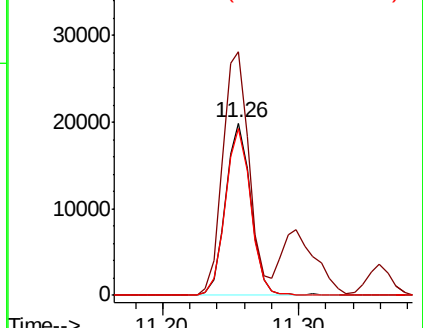
158 97.8 49.1 147.3



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: 16.620 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX006064.D

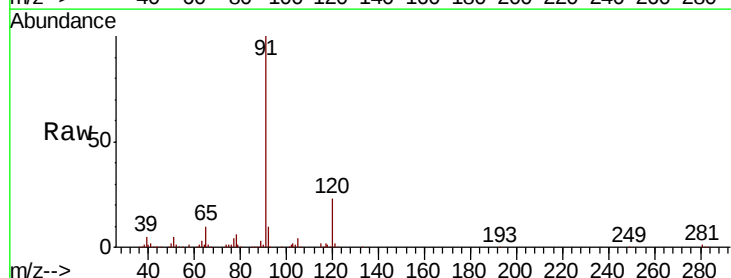
Acq: 17 Nov 2018 12:38

Tgt Ion: 91 Resp: 108595

Ion Ratio Lower Upper

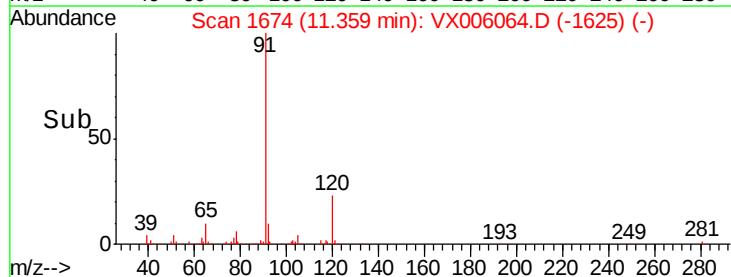
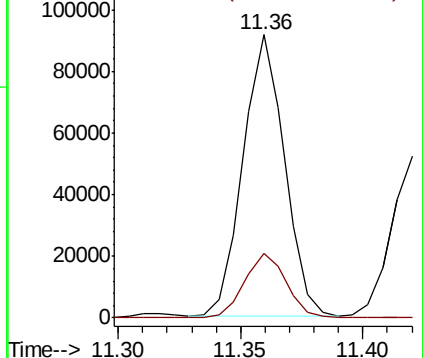
91 100

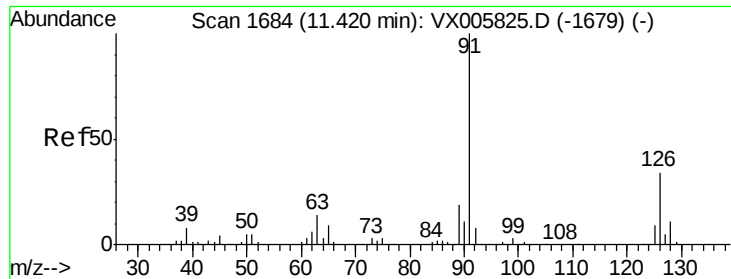
120 23.1 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

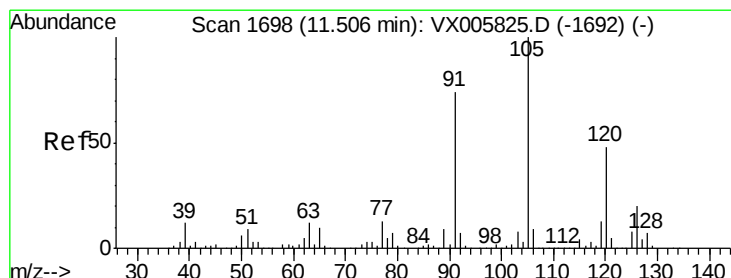
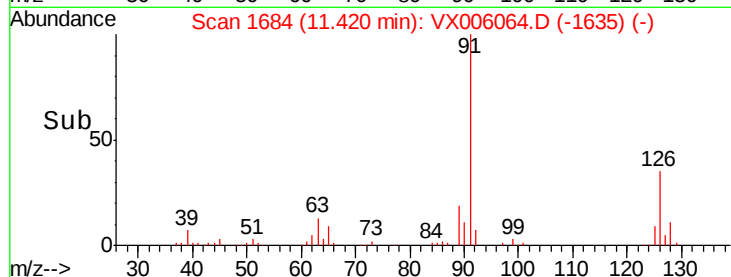
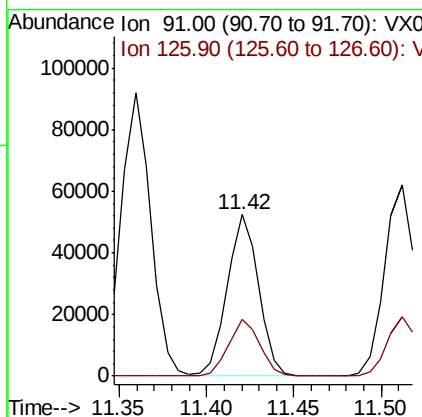
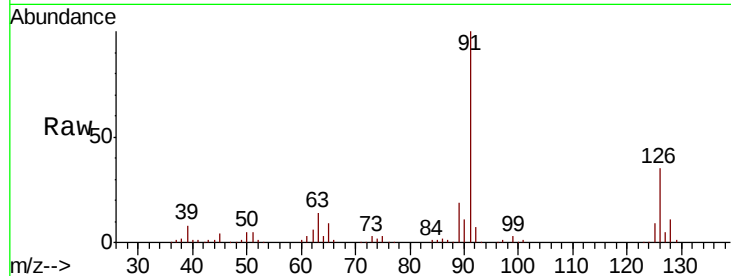




#79
 2-Chlorotoluene
 Concen: 16.492 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

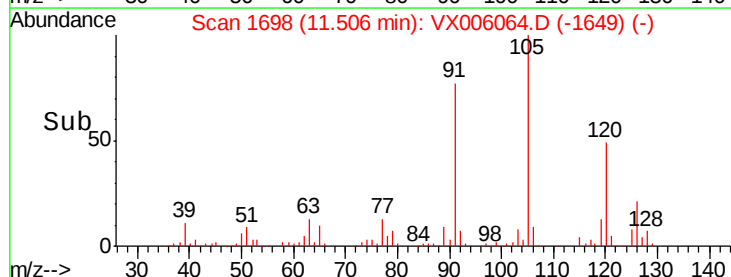
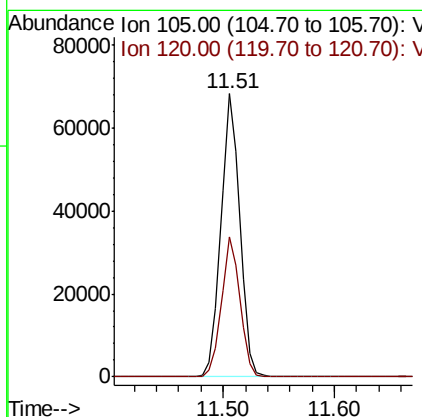
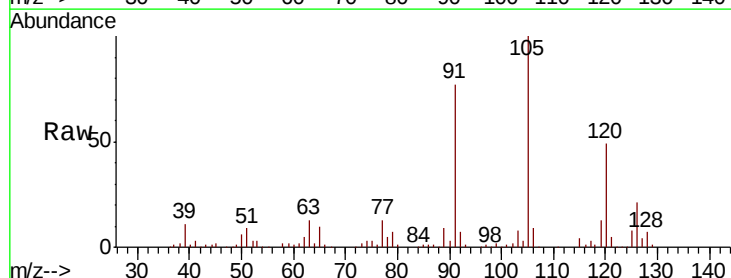
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

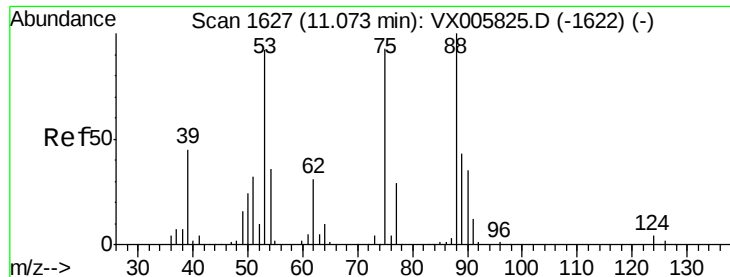
Tot Ion: 91 Resp: 65132
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.3 52.0



#80
 1,3,5-Trimethylbenzene
 Concen: 17.004 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion: 105 Resp: 80109
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.104 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

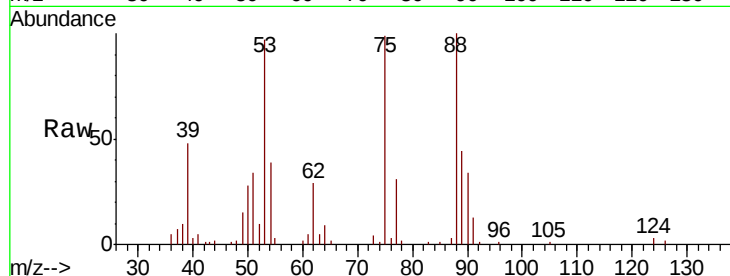
Tot Ion: 75 Resp: 10476

Ion Ratio Lower Upper

75 100

53 100.3 80.2 120.2

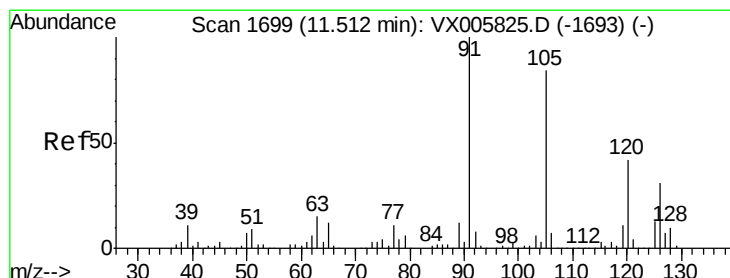
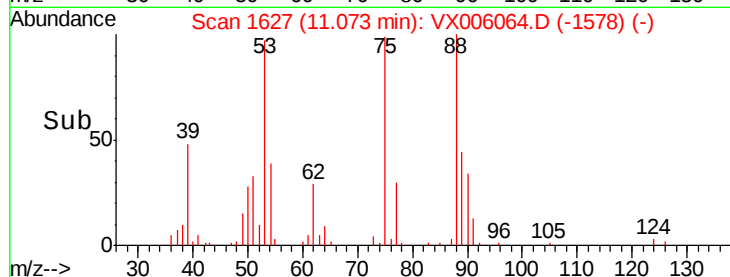
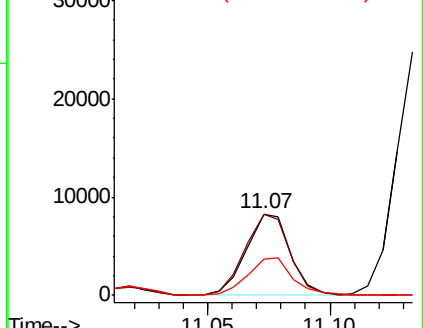
89 47.3 39.8 59.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 16.445 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX006064.D

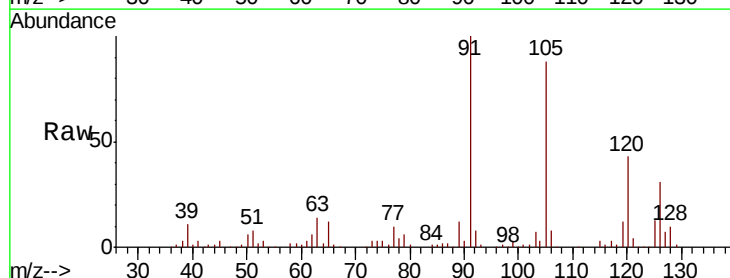
Acq: 17 Nov 2018 12:38

Tgt Ion: 91 Resp: 76540

Ion Ratio Lower Upper

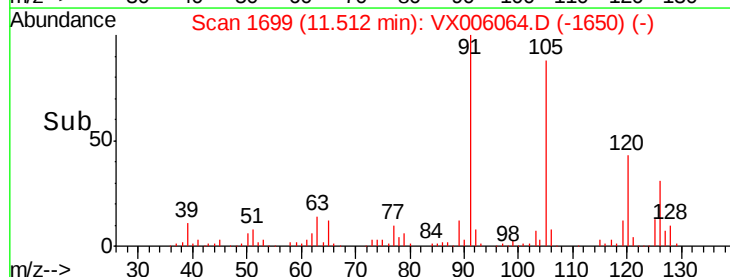
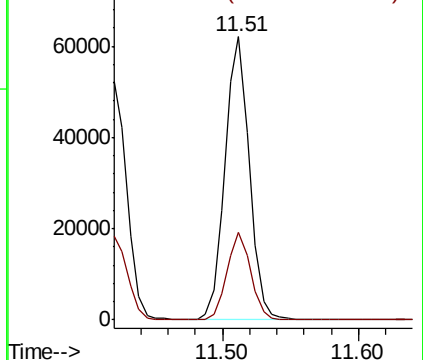
91 100

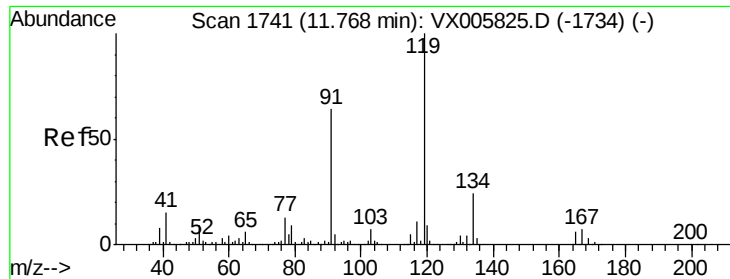
126 30.3 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

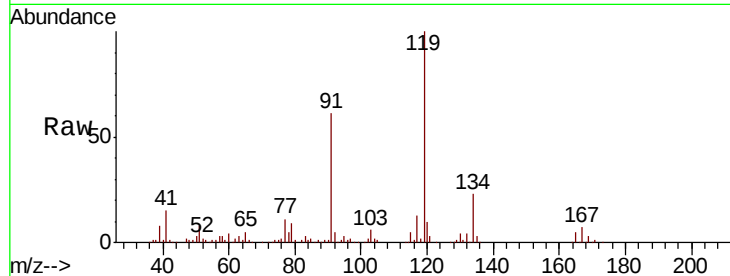




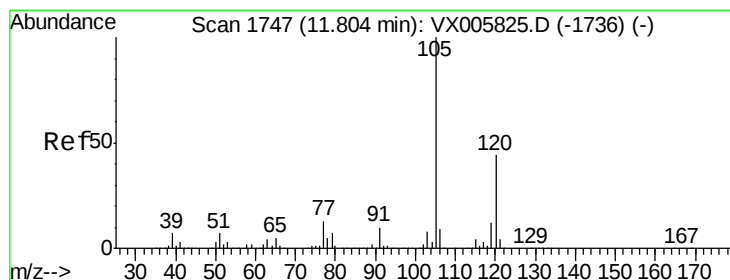
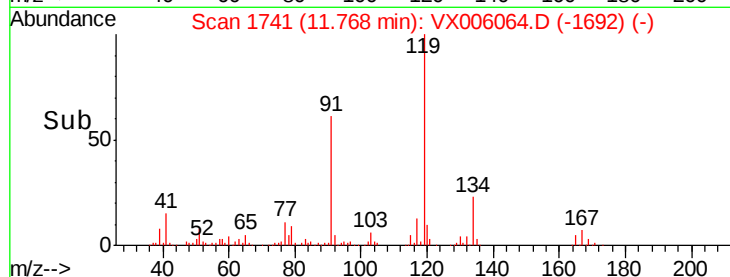
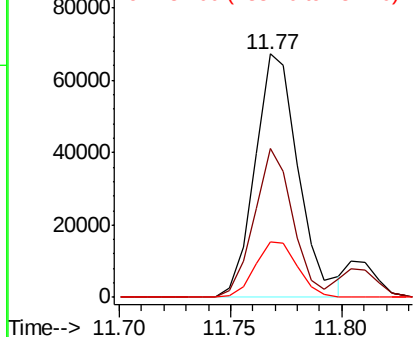
#83
 tert-Butylbenzene
 Concen: 19.168 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

Tot Ion:119 Resp: 91361
 Ion Ratio Lower Upper
 119 100
 91 54.5 28.5 85.5
 134 22.4 11.3 33.8

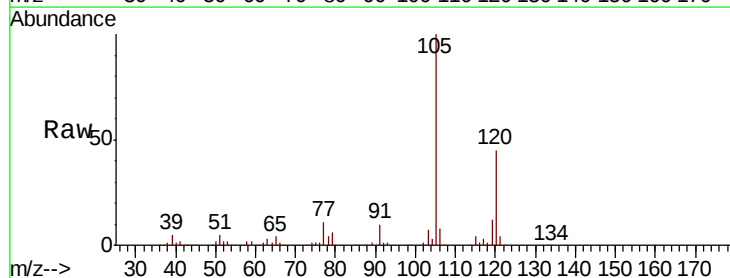


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VX
 Ion 134.00 (133.70 to 134.70): V

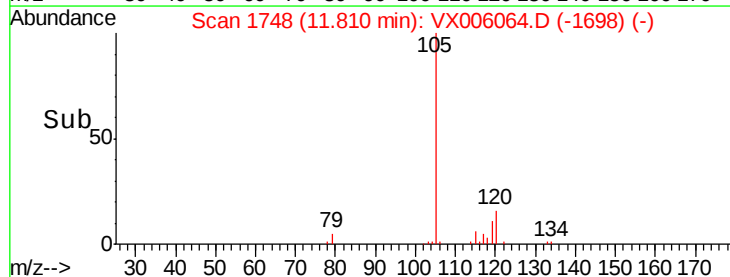
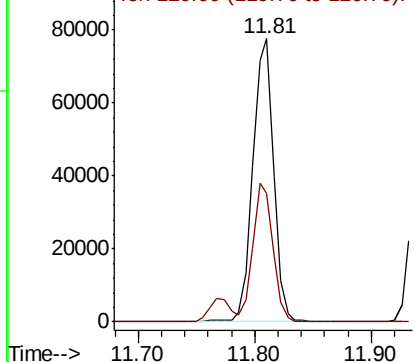


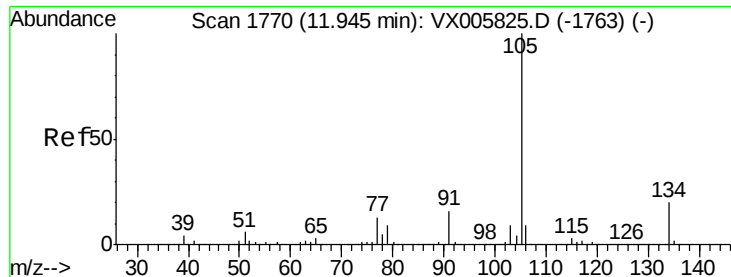
#84
 1,2,4-Trimethylbenzene
 Concen: 18.576 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion:105 Resp: 96975
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.4 67.0



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





#85

sec-Butylbenzene

Concen: 19.961 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampled :

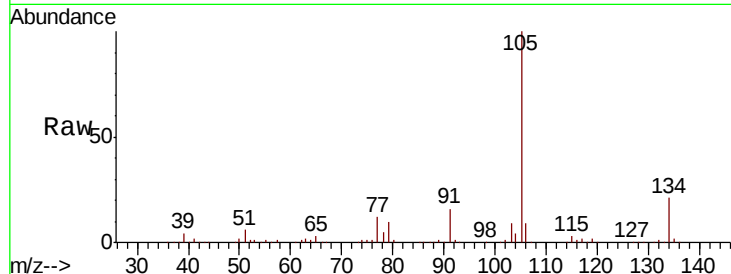
VX1117WBS01

Tot Ion:105 Resp: 116341

Ion Ratio Lower Upper

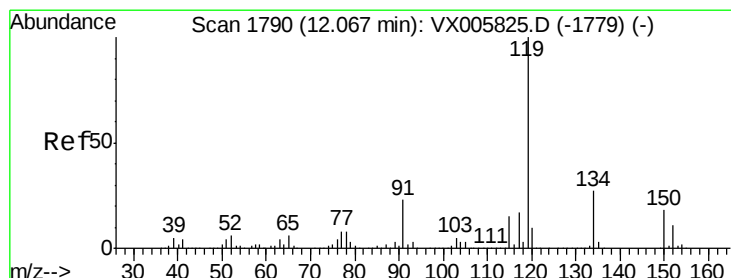
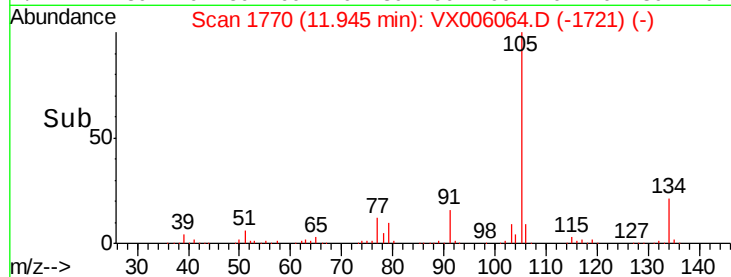
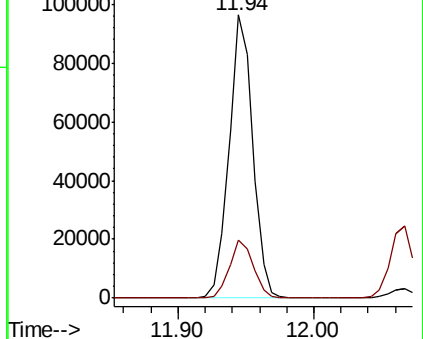
105 100

134 20.7 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: 21.282 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

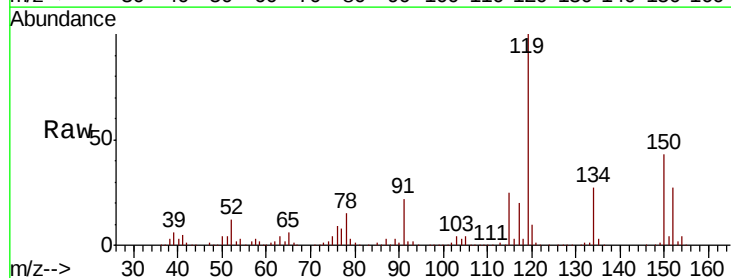
Tgt Ion:119 Resp: 109875

Ion Ratio Lower Upper

119 100

134 26.5 13.0 39.0

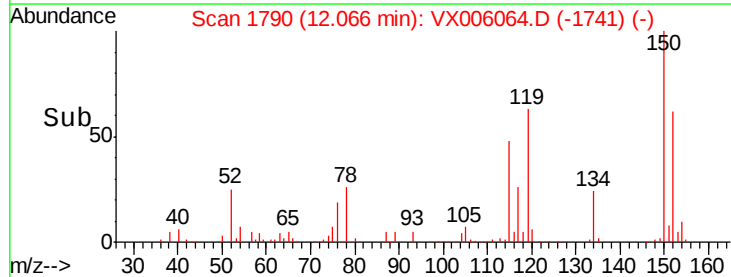
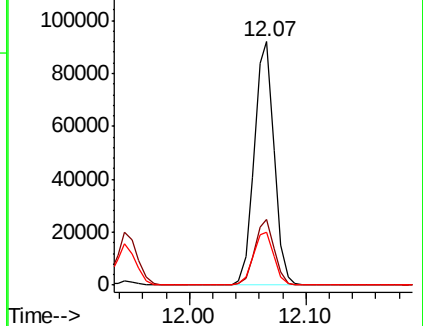
91 22.7 11.4 34.2

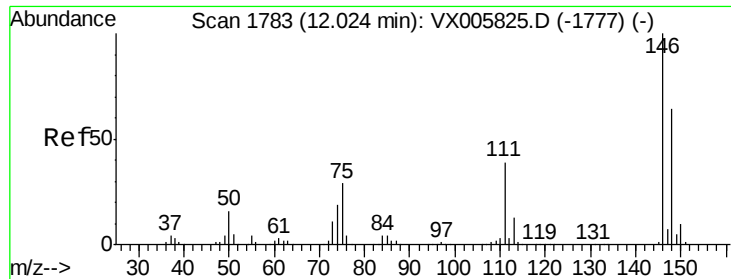


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

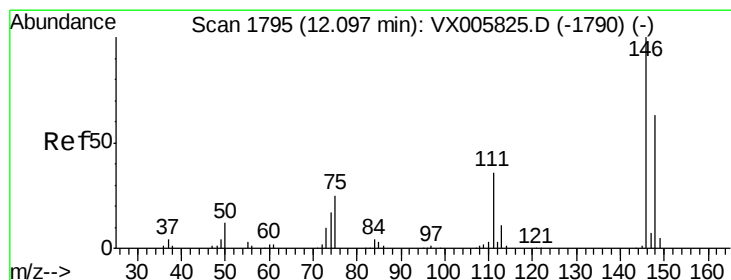
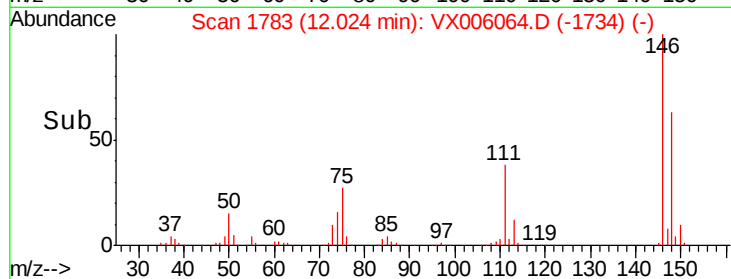
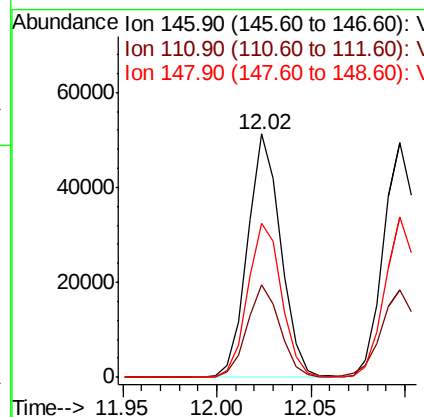
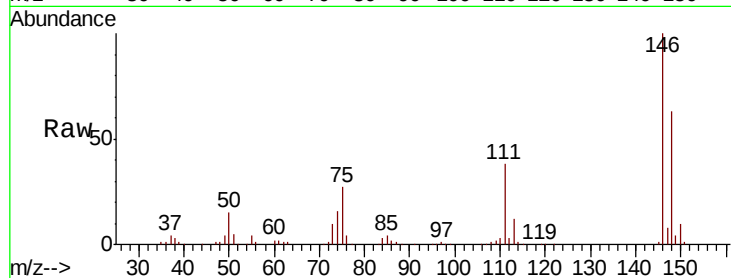




#87
 1,3-Dichlorobenzene
 Concen: 20.973 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

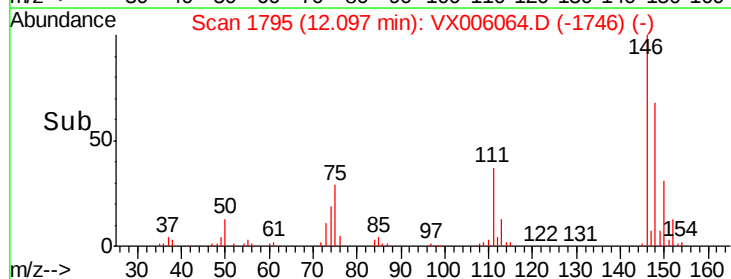
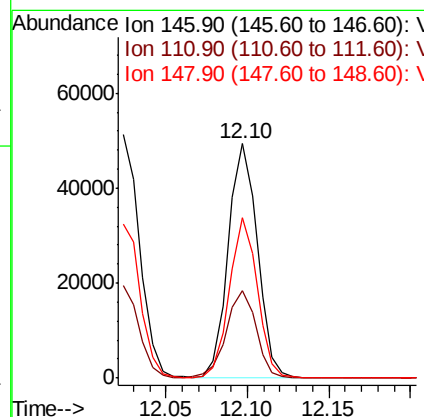
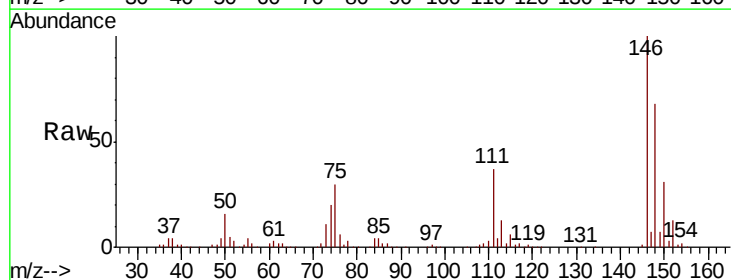
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

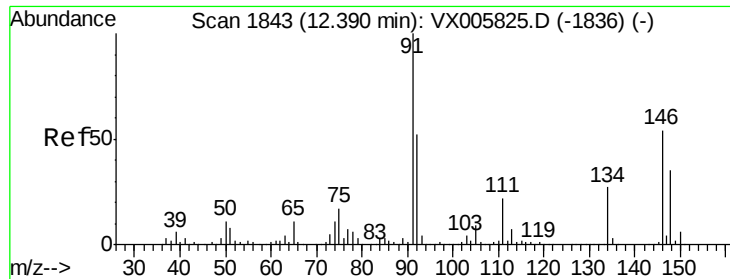
Tot Ion:146 Resp: 62897
 Ion Ratio Lower Upper
 146 100
 111 37.5 19.0 57.0
 148 64.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.103 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion:146 Resp: 61716
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.6 55.8
 148 65.7 32.1 96.3

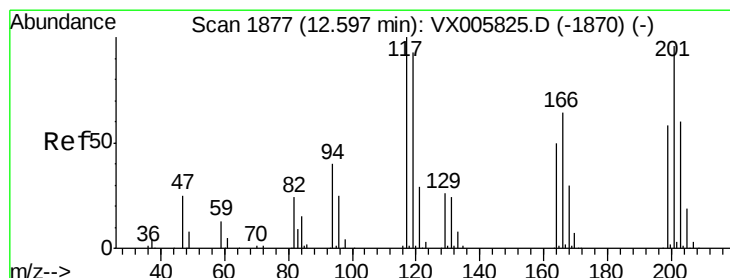
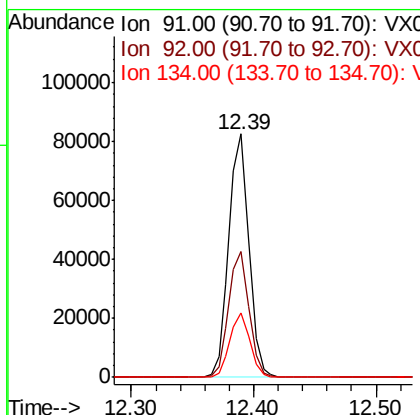
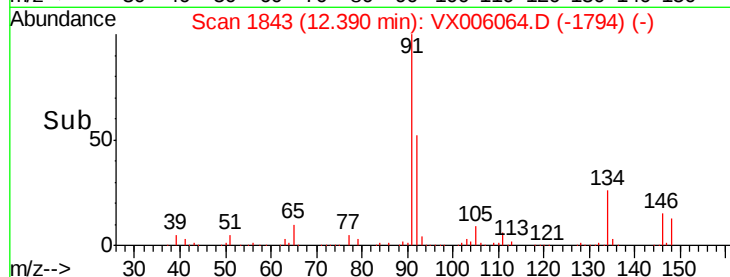
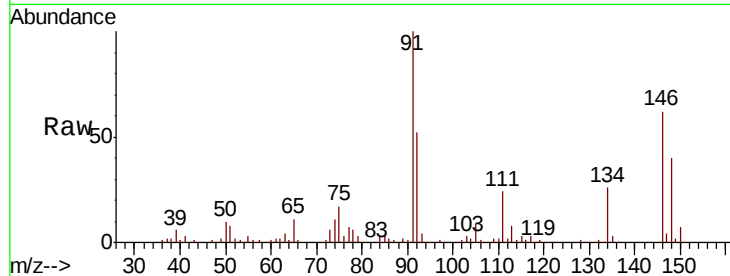




#89
n-Butylbenzene
Concen: 19.634 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

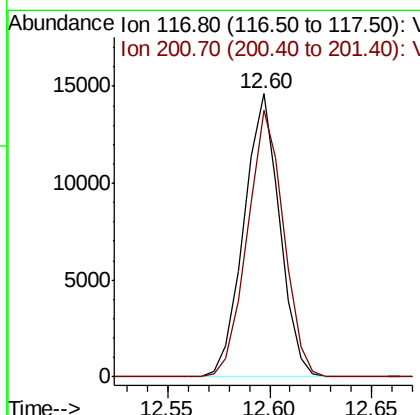
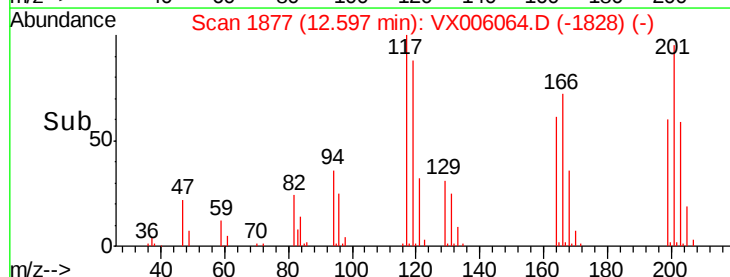
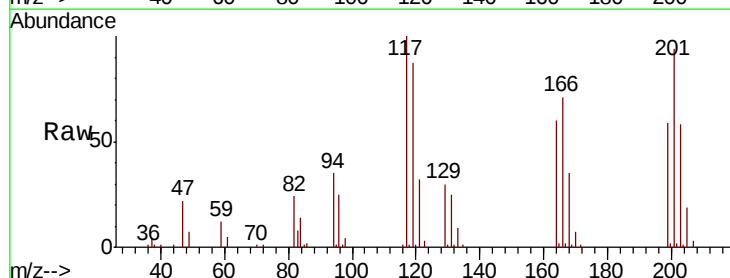
Instrument :
MSVOA_X
ClientSampled :
VX1117WBS01

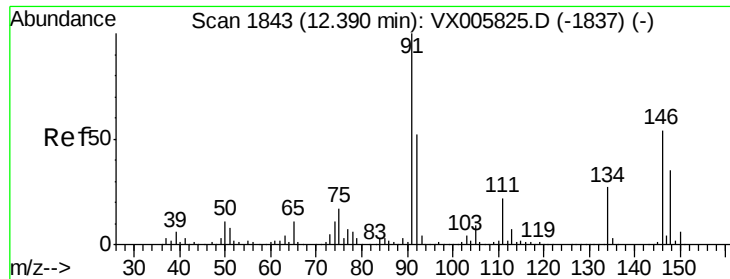
Tot Ion: 91 Resp: 93944
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.2
134 26.1 13.1 39.3



#90
Hexachloroethane
Concen: 20.545 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX006064.D
Acq: 17 Nov 2018 12:38

Tgt Ion: 117 Resp: 17709
Ion Ratio Lower Upper
117 100
201 96.1 47.9 143.6

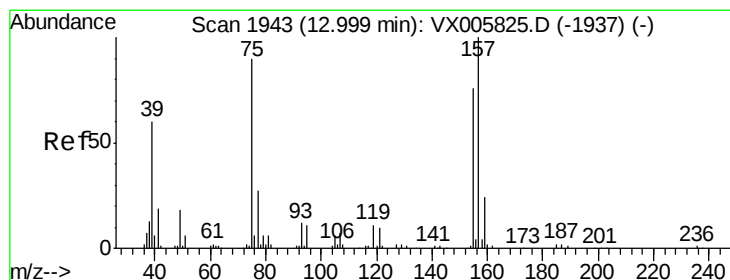
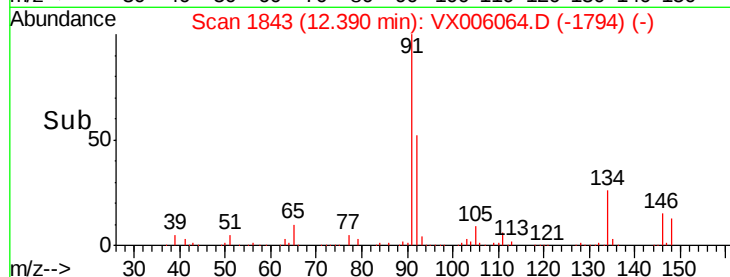
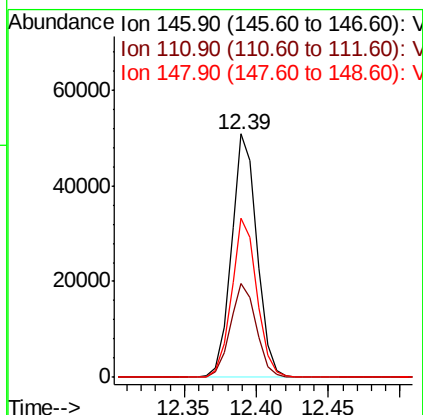
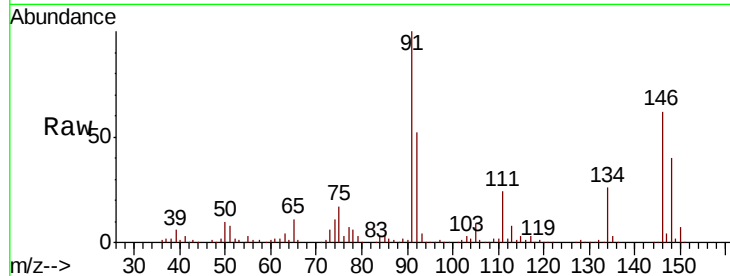




#91
 1,2-Dichlorobenzene
 Concen: 20.979 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

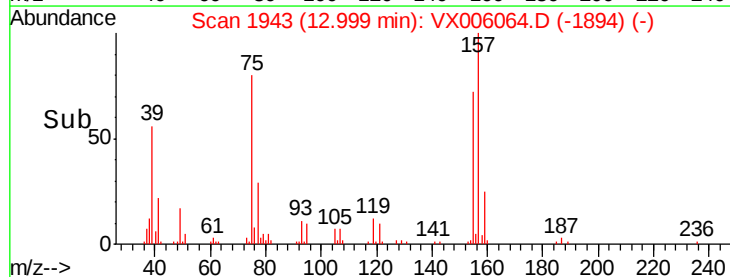
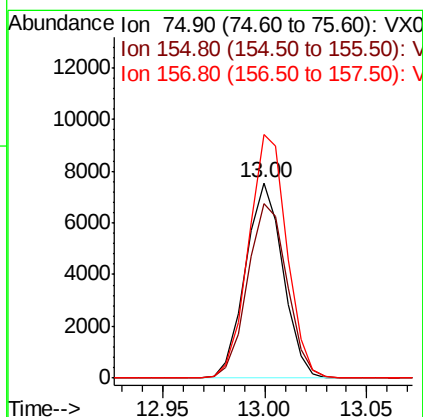
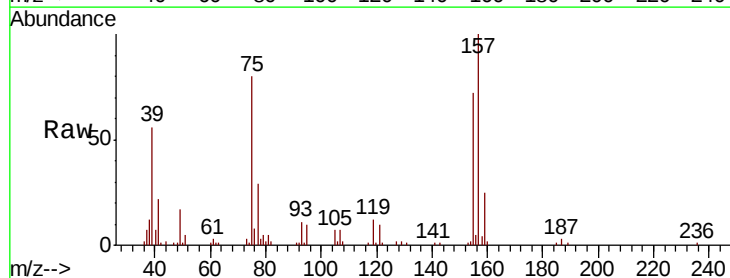
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

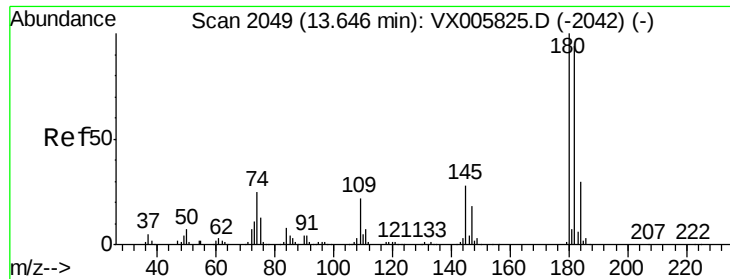
Tot Ion:146 Resp: 63027
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 59.9
 148 64.8 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.425 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion: 75 Resp: 9646
 Ion Ratio Lower Upper
 75 100
 155 94.2 45.4 136.1
 157 127.5 57.4 172.0

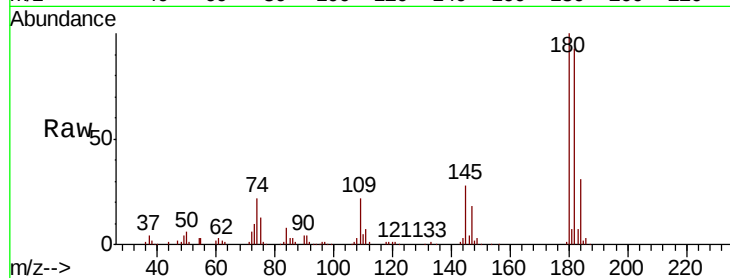




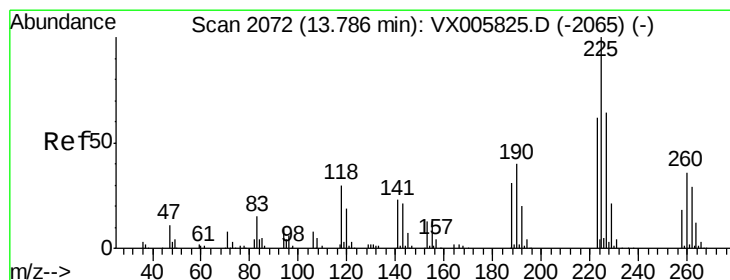
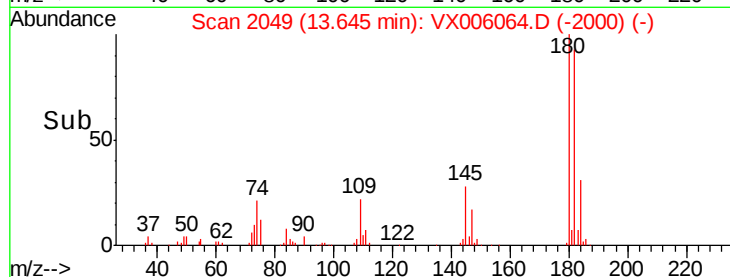
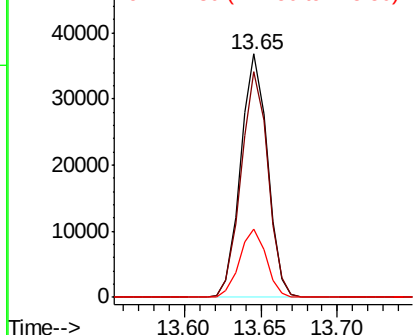
#93
 1,2,4-Trichlorobenzene
 Concen: 21.166 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1117WBS01

Tot Ion:180 Resp: 44764
 Ion Ratio Lower Upper
 180 100
 182 92.9 47.6 142.8
 145 27.9 14.1 42.2

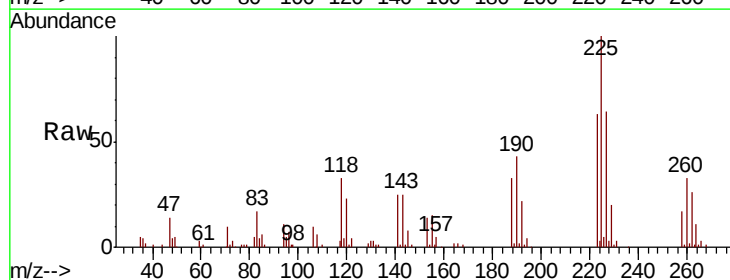


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

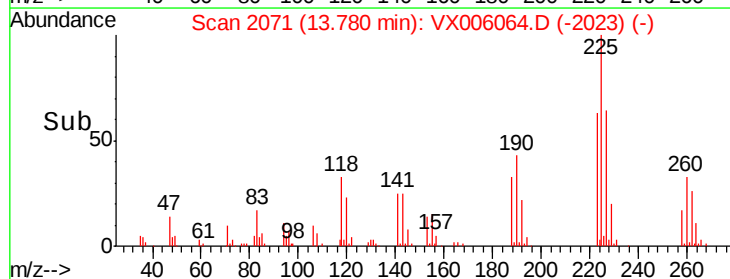
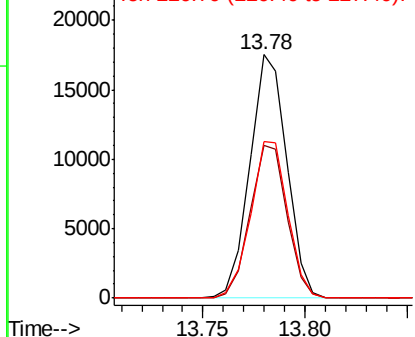


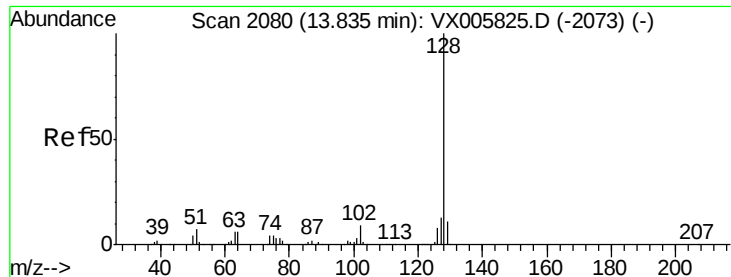
#94
 Hexachlorobutadiene
 Concen: 19.856 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX006064.D
 Acq: 17 Nov 2018 12:38

Tgt Ion:225 Resp: 22059
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.7 95.1
 227 64.6 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: 20.005 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

Instrument :

MSVOA_X

ClientSampleId :

VX1117WBS01

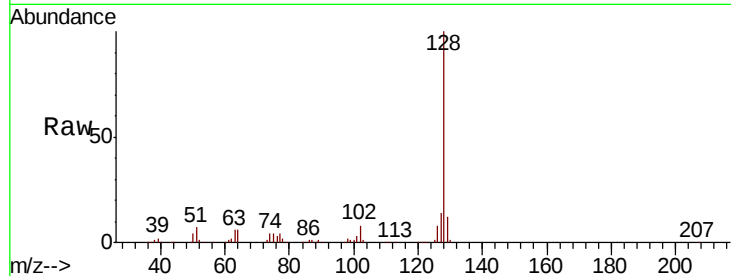
Tot Ion:128 Resp: 132993

Ion Ratio Lower Upper

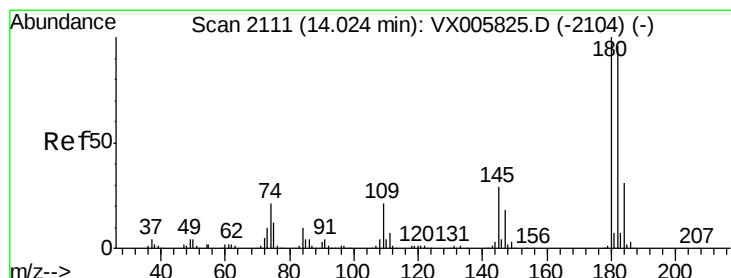
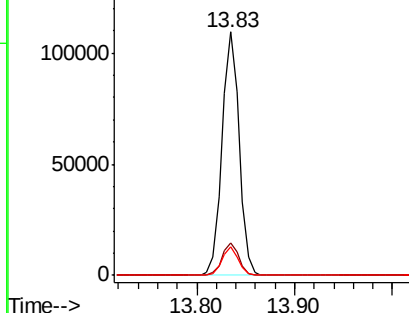
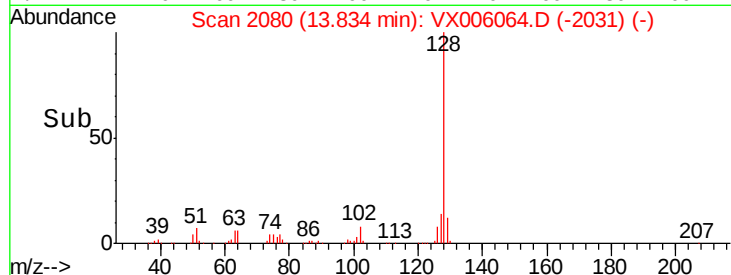
128 100

127 13.0 10.4 15.6

129 11.1 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: 21.515 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.01 min

Lab File: VX006064.D

Acq: 17 Nov 2018 12:38

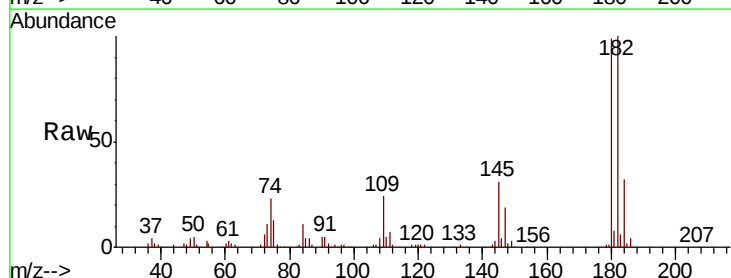
Tgt Ion:180 Resp: 46357

Ion Ratio Lower Upper

180 100

182 96.5 48.0 144.2

145 29.8 15.1 45.3



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

