

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005750.D
 Acq On : 02 Nov 2018 12:27
 Operator : JC/MD
 Sample : PB114401ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#01

Quant Time: Nov 03 01:26:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	115188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	189943	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	170861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	72296	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	88307	52.44	ug/l	0.00
Spiked Amount			Recovery	=	104.88%	
35) Dibromofluoromethane	5.51	113	68948	52.42	ug/l	0.01
Spiked Amount			Recovery	=	104.84%	
50) Toluene-d8	8.72	98	235493	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.14	95	74196	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	

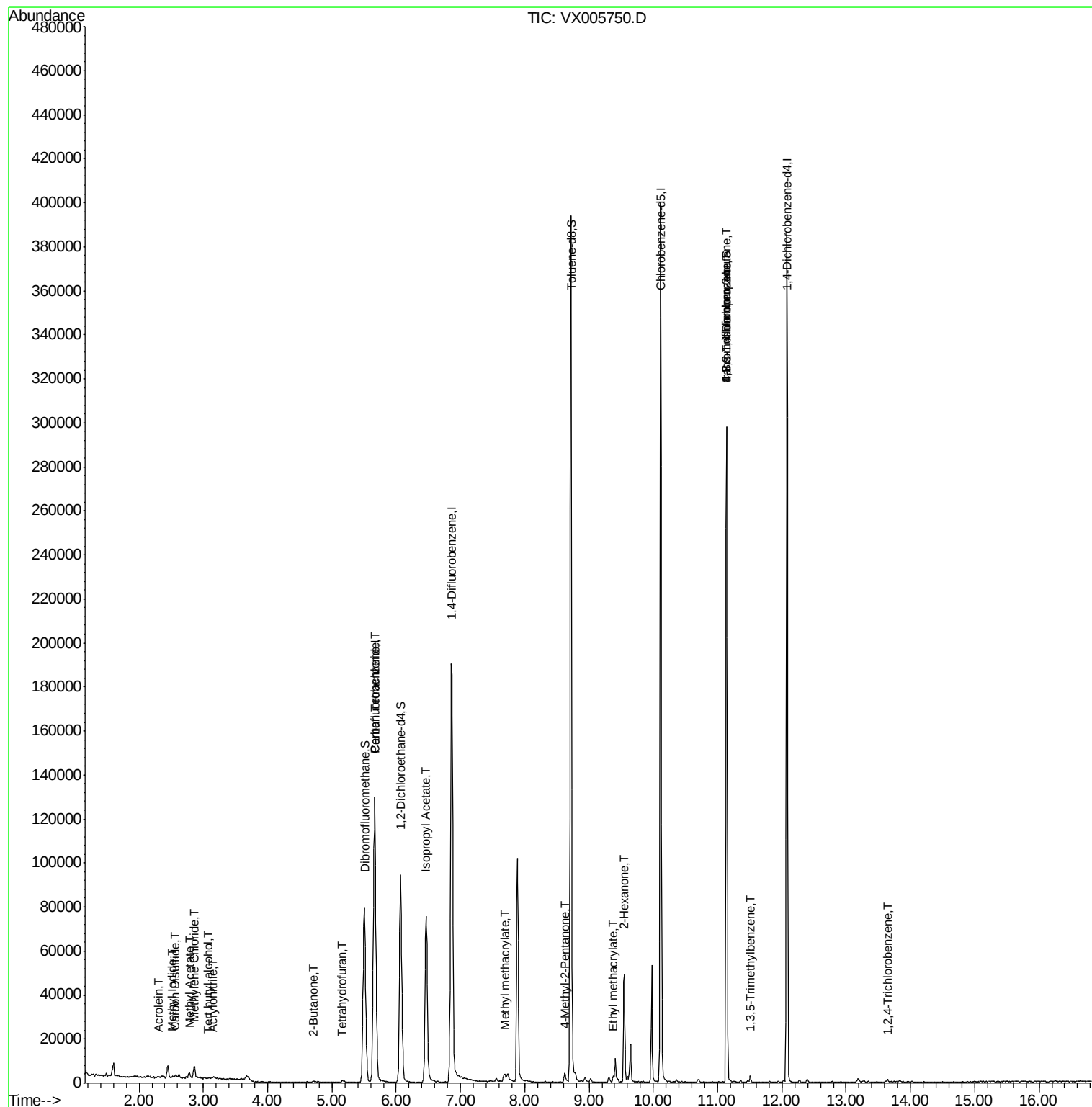
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	129	Below Cal	#	42
10) Methyl Iodide	2.52	142	290	2.165	ug/l #	75
11) Tert butyl alcohol	3.08	59	94	0.206	ug/l #	74
13) Acrolein	2.29	56	109	12.500	ug/l #	64
15) Acrylonitrile	3.15	53	319	0.317	ug/l #	95
16) Acetone	2.45	43	6536	Below Cal		98
17) Carbon Disulfide	2.57	76	1079	0.283	ug/l #	72
18) Methyl Acetate	2.78	43	3556	1.471	ug/l	99
20) Methylene Chloride	2.86	84	2390	1.646	ug/l	96
25) 2-Butanone	4.71	43	1052	0.741	ug/l #	89
29) Tetrahydrofuran	5.15	42	262	0.302	ug/l #	77
38) Carbon Tetrachloride	5.66	117	11752	6.428	ug/l #	16
43) Isopropyl Acetate	6.46	43	98711	26.342	ug/l	98
48) Methyl methacrylate	7.69	41	3785	2.087	ug/l #	22
51) 4-Methyl-2-Pentanone	8.62	43	1771	0.693	ug/l #	38
56) Ethyl methacrylate	9.38	69	42	2.487	ug/l #	1
59) 2-Hexanone	9.55	43	5942	2.858	ug/l #	55
76) 1,2,3-Trichloropropane	11.14	75	39286	21.818	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	1202	0.297	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.14	75	39286	70.493	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	336	0.219	ug/l	82

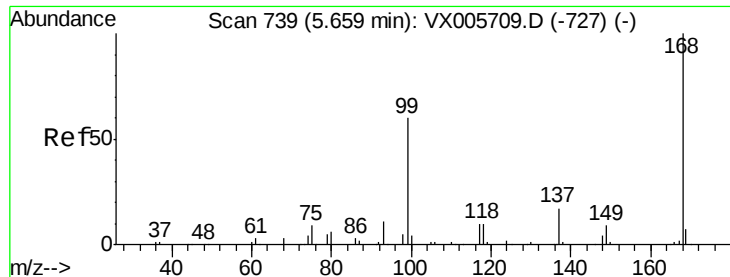
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 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: VX005750.D

Acq: 02 Nov 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

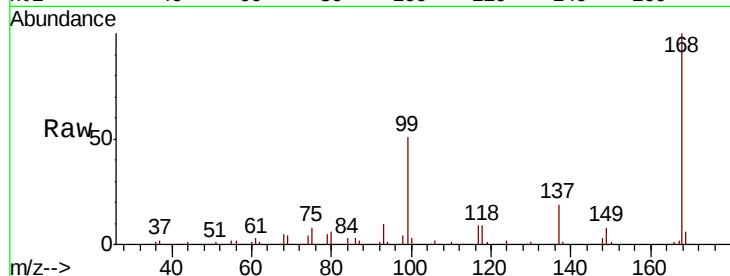
PB114401ZHE#01

Tot Ion:168 Resp: 115188

Ion Ratio Lower Upper

168 100

99 51.3 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

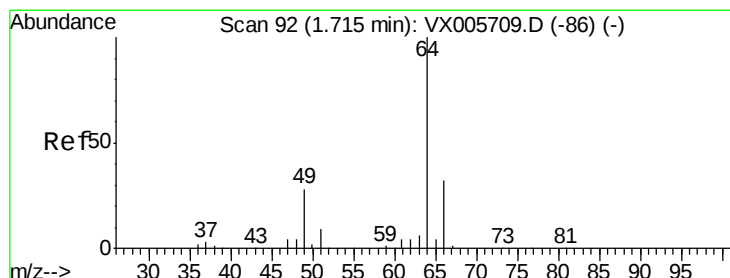
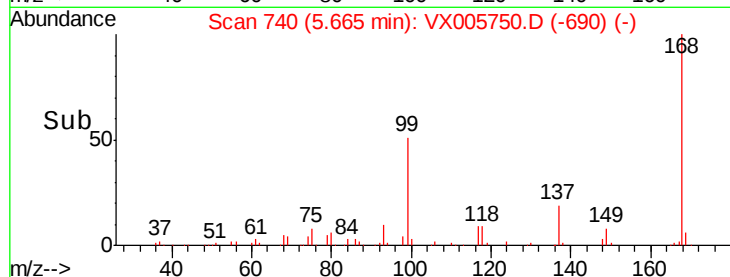
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX005750.D

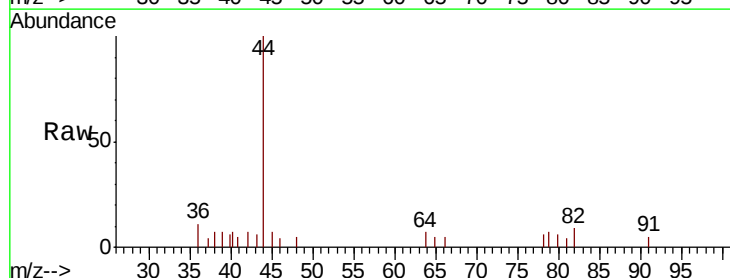
Acq: 02 Nov 2018 12:27

Tgt Ion: 64 Resp: 129

Ion Ratio Lower Upper

64 100

66 64.6 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

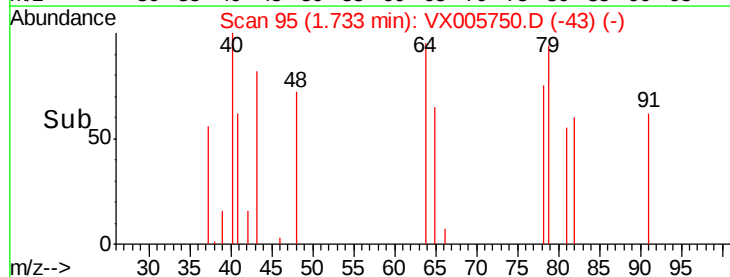
100

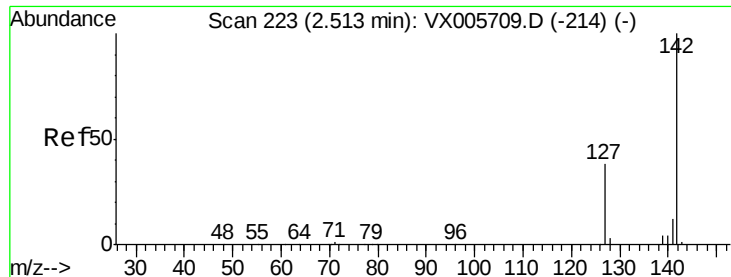
50

0

1.68 1.70 1.72 1.74 1.76

Time-->

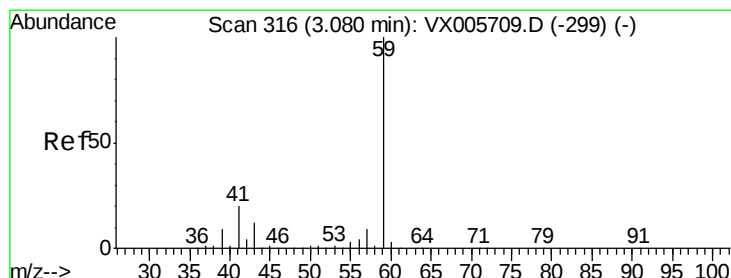
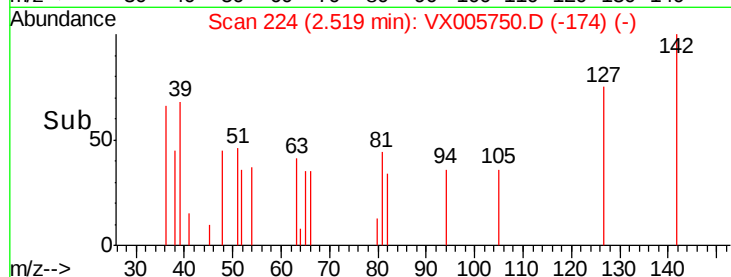
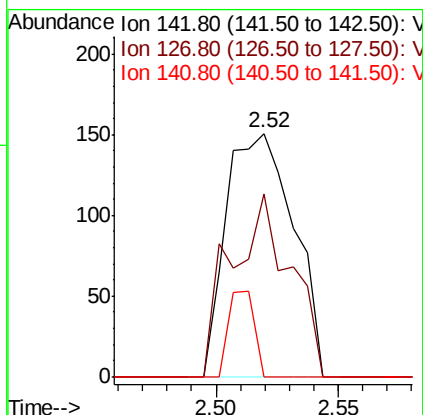
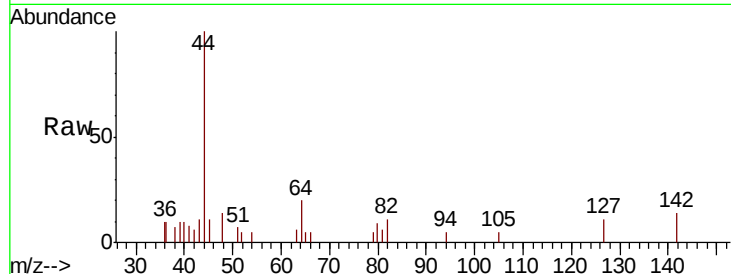




#10
Methyl Iodide
Concen: 2.165 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

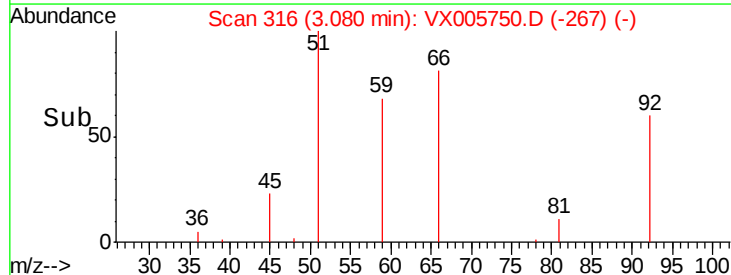
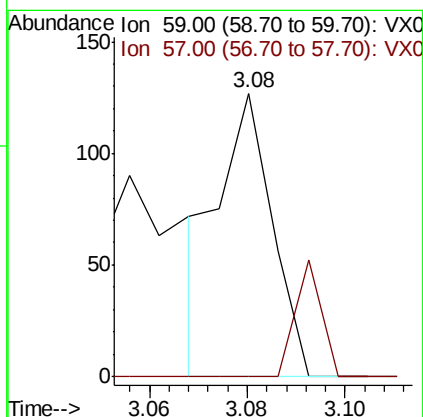
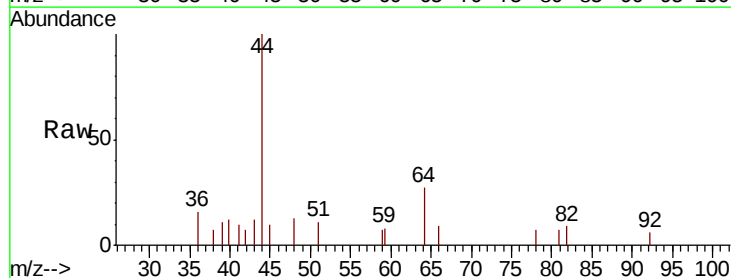
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#01

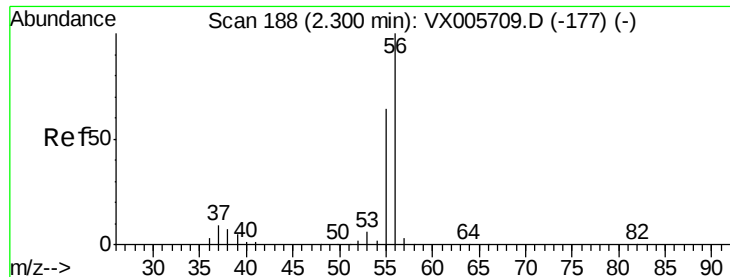
Tot Ion:142 Resp: 290
Ion Ratio Lower Upper
142 100
127 66.2 36.0 54.0#
141 13.1 11.7 17.5



#11
Tert butyl alcohol
Concen: 0.206 ug/l
RT: 3.08 min Scan# 316
Delta R.T. -0.00 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 20.2 8.5 12.7#





#13

Acrolein

Concen: 12.500 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

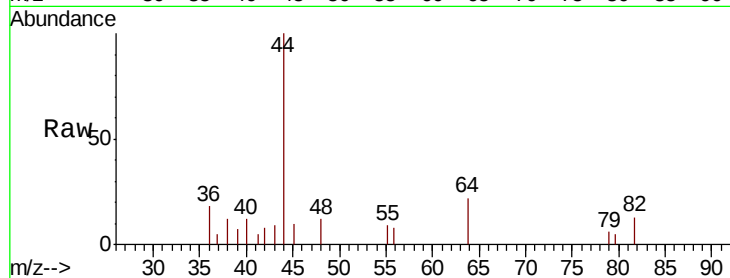
PB114401ZHE#01

Tot Ion: 56 Resp: 109

Ion Ratio Lower Upper

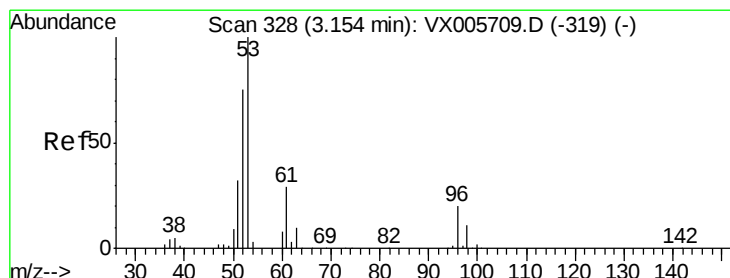
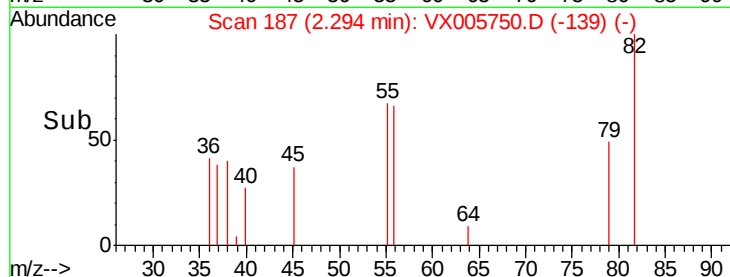
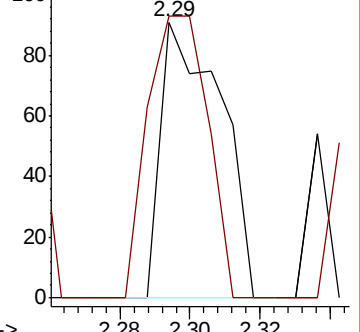
56 100

55 101.8 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.317 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

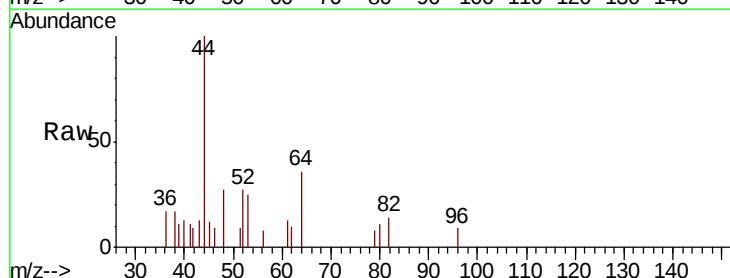
Tgt Ion: 53 Resp: 319

Ion Ratio Lower Upper

53 100

52 83.4 66.6 99.8

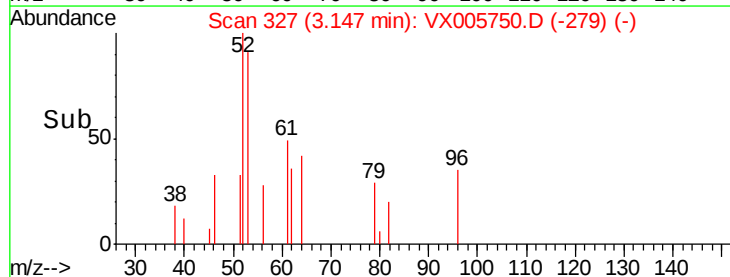
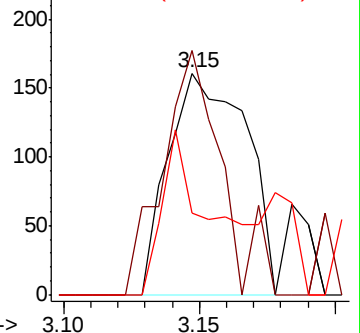
51 45.1 28.4 42.6#

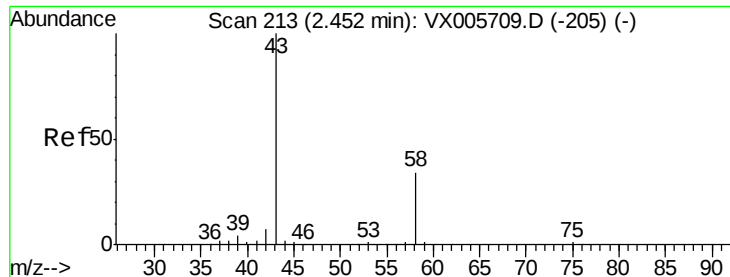


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

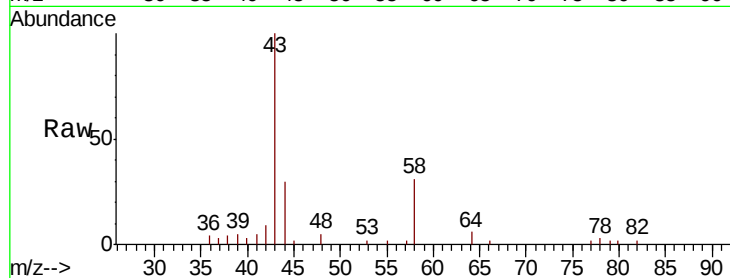
PB114401ZHE#01

Tot Ion: 43 Resp: 6536

Ion Ratio Lower Upper

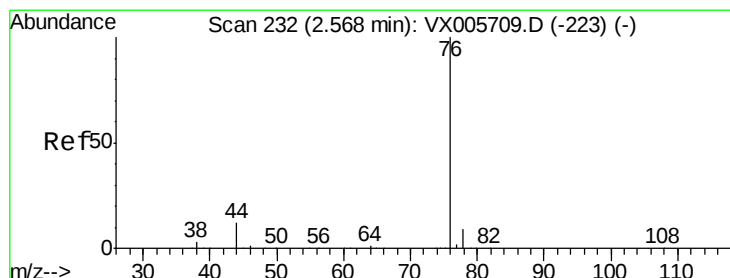
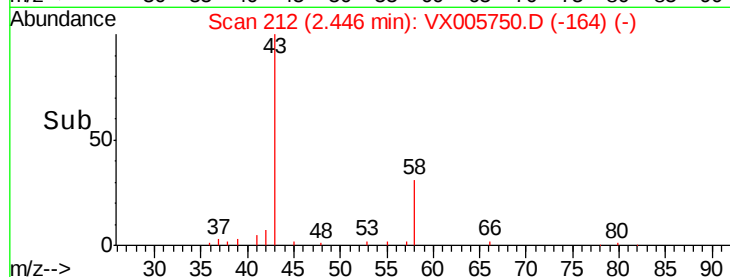
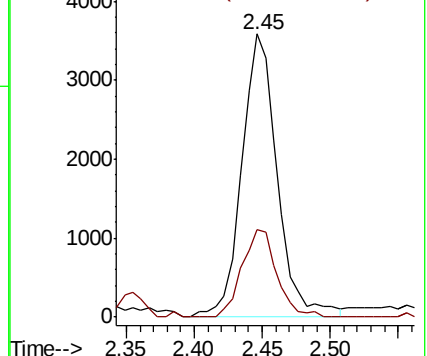
43 100

58 30.9 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: 0.283 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005750.D

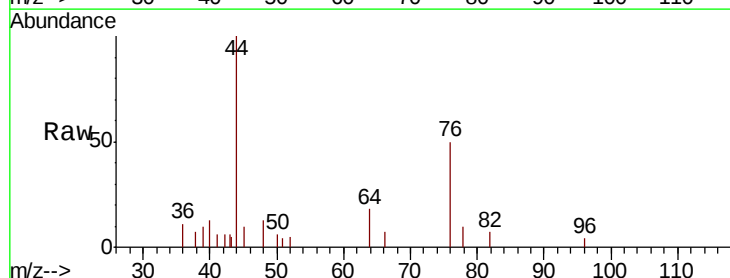
Acq: 02 Nov 2018 12:27

Tgt Ion: 76 Resp: 1079

Ion Ratio Lower Upper

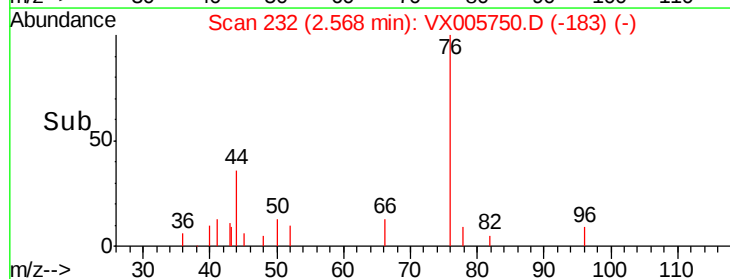
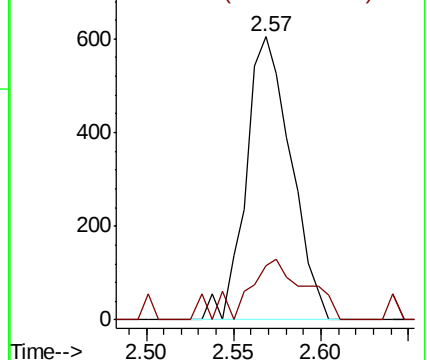
76 100

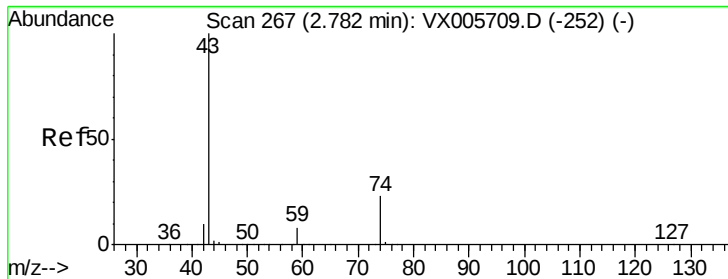
78 19.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#18

Methyl Acetate

Concen: 1.471 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

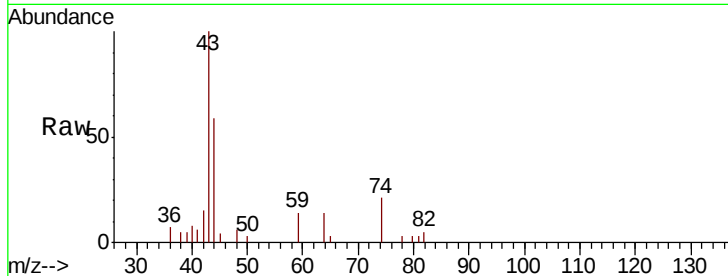
PB114401ZHE#01

Tot Ion: 43 Resp: 3556

Ion Ratio Lower Upper

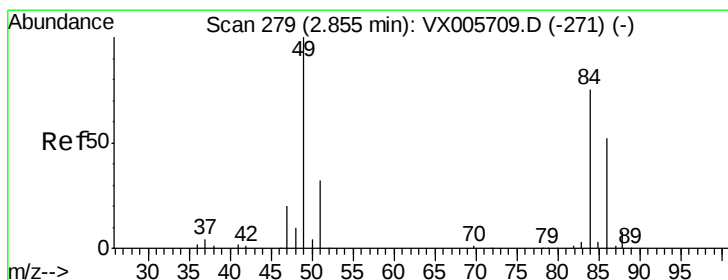
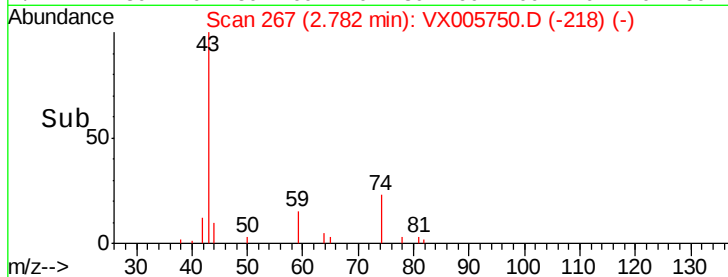
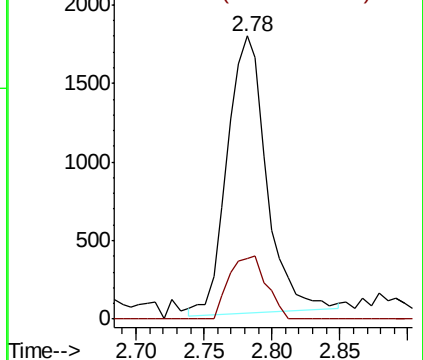
43 100

74 21.6 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 1.646 ug/l

RT: 2.86 min Scan# 280

Delta R.T. 0.01 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

Tgt Ion: 84 Resp: 2390

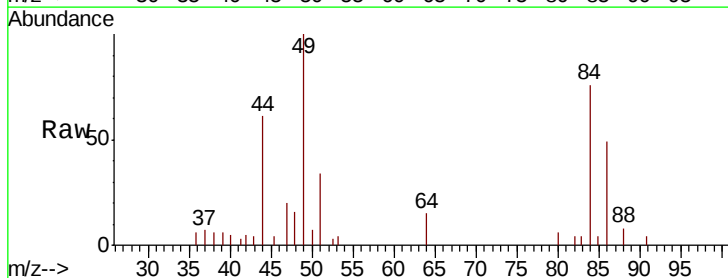
Ion Ratio Lower Upper

84 100

49 131.8 109.5 164.3

51 45.3 33.3 49.9

86 64.9 52.7 79.1

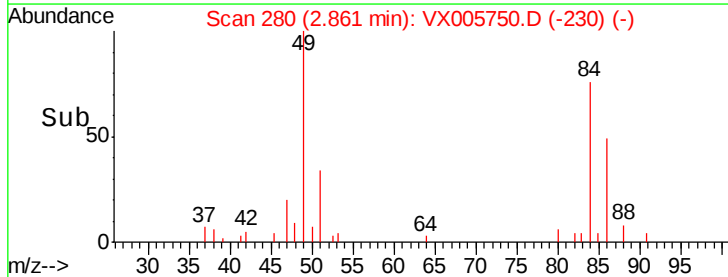
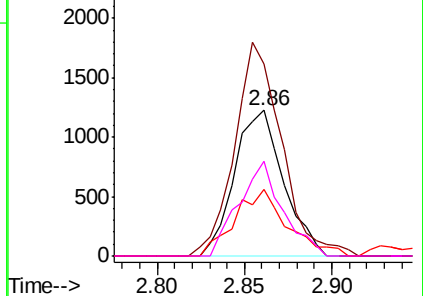


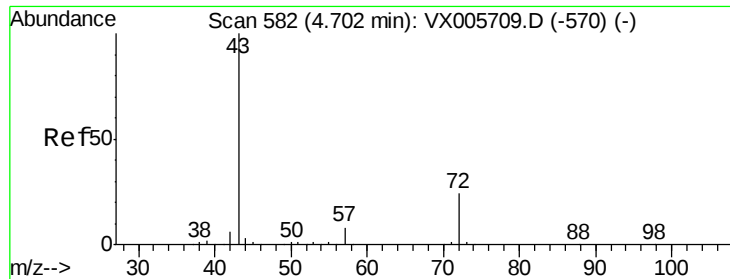
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.741 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

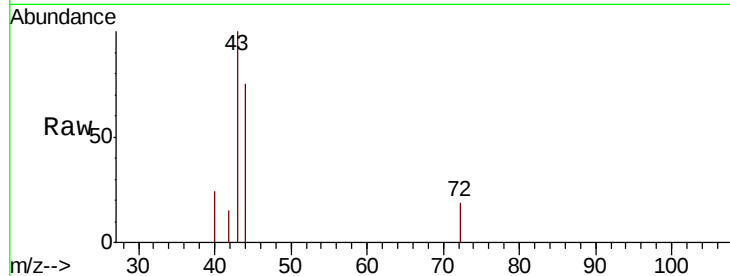
PB114401ZHE#01

Tot Ion: 43 Resp: 1052

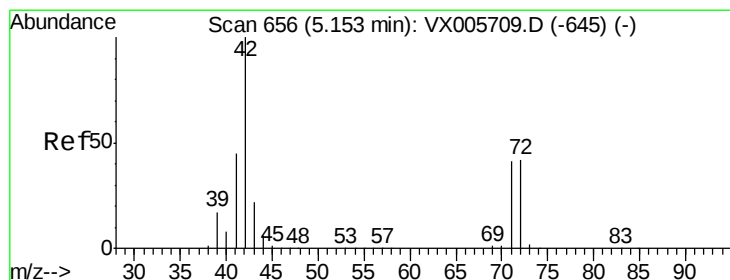
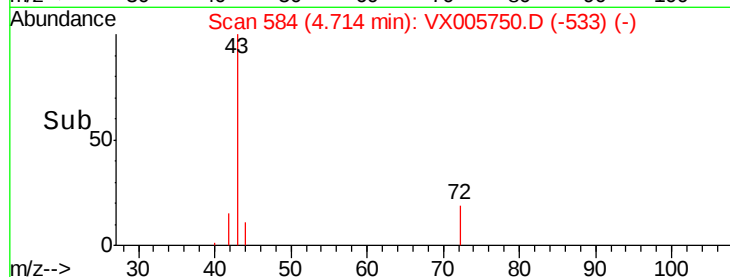
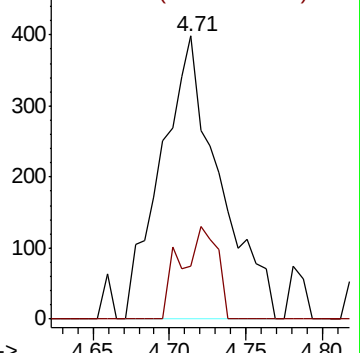
Ion Ratio Lower Upper

43 100

72 18.6 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#29

Tetrahydrofuran

Concen: 0.302 ug/l

RT: 5.15 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

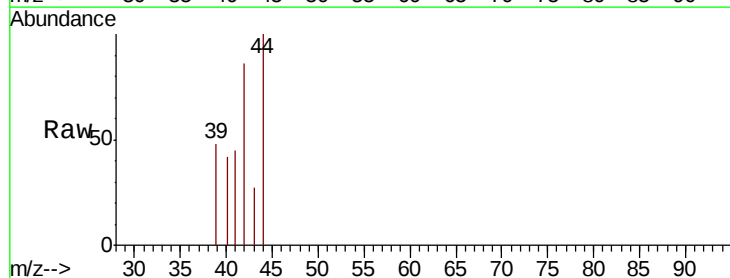
Tgt Ion: 42 Resp: 262

Ion Ratio Lower Upper

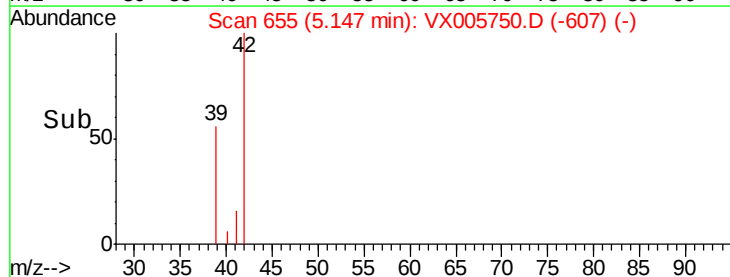
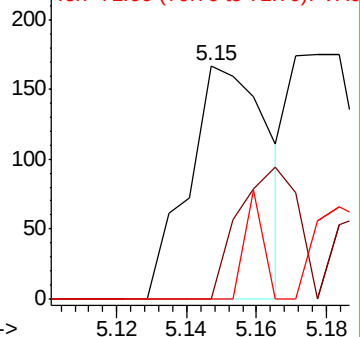
42 100

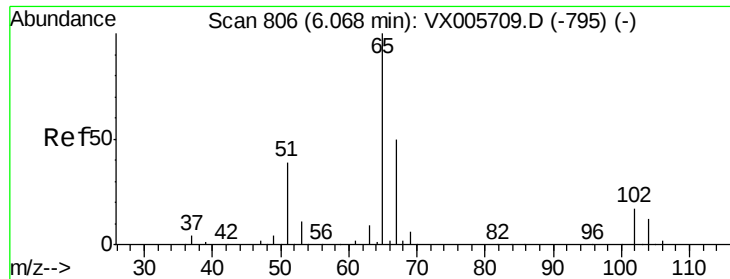
72 42.7 32.0 48.0

71 11.1 29.8 44.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 52.437 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

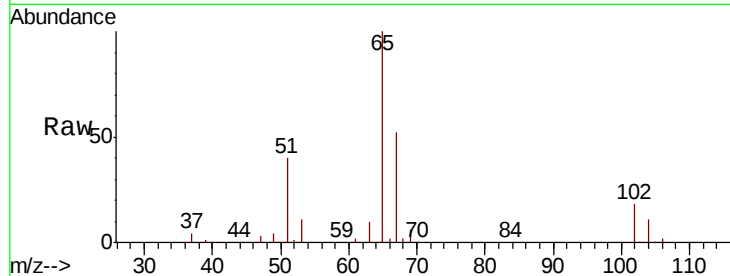
PB114401ZHE#01

Tot Ion: 65 Resp: 88307

Ion Ratio Lower Upper

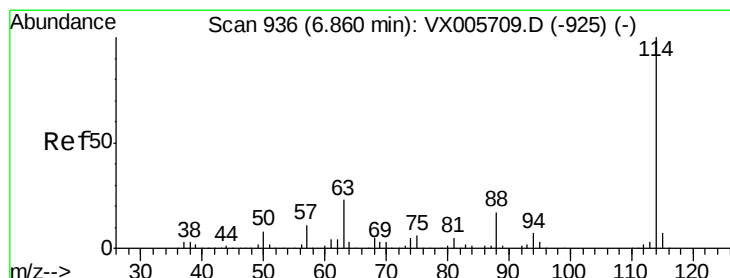
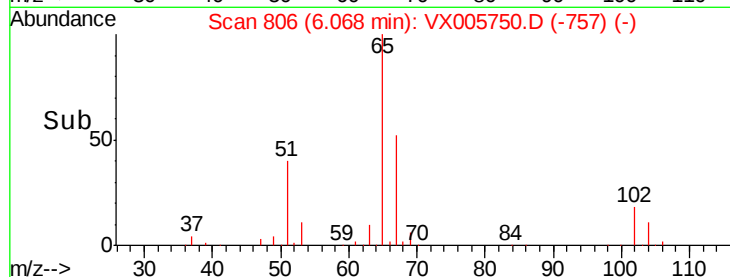
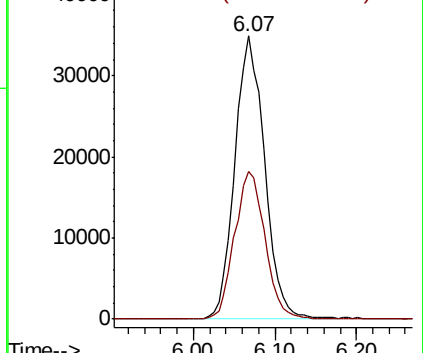
65 100

67 53.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

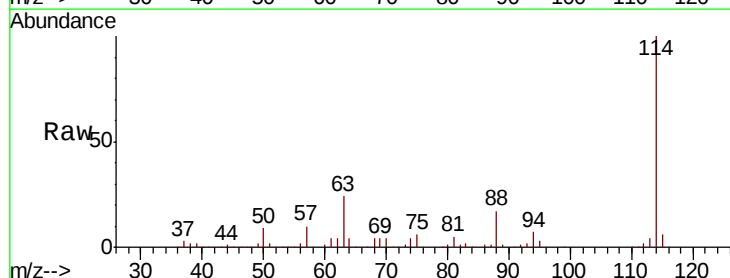
Tgt Ion: 114 Resp: 189943

Ion Ratio Lower Upper

114 100

63 23.7 0.0 42.8

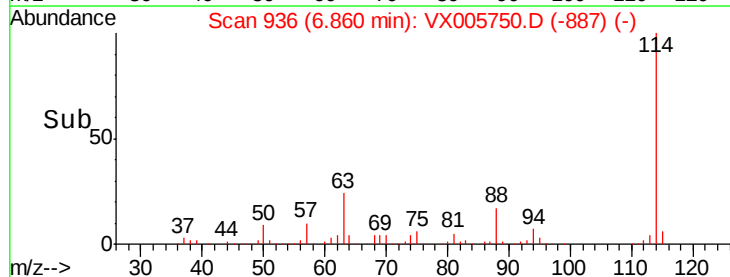
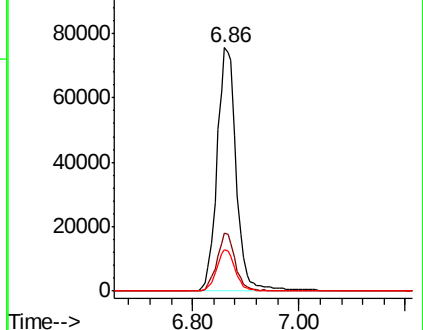
88 17.2 0.0 31.2

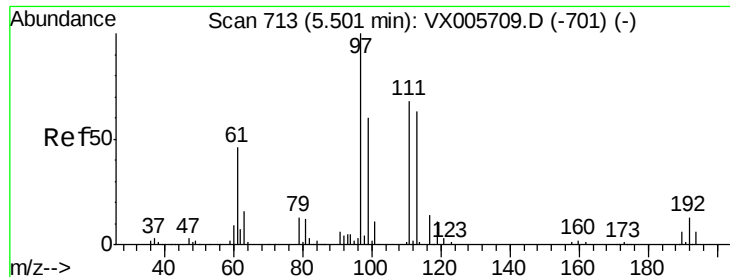


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

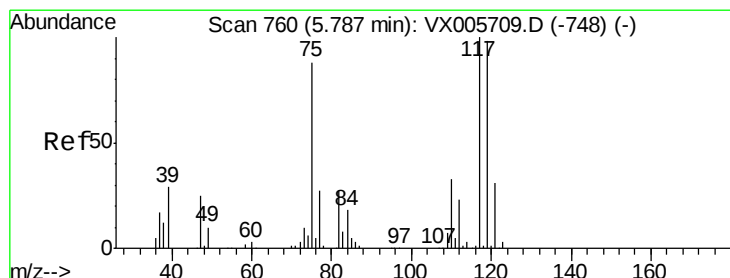
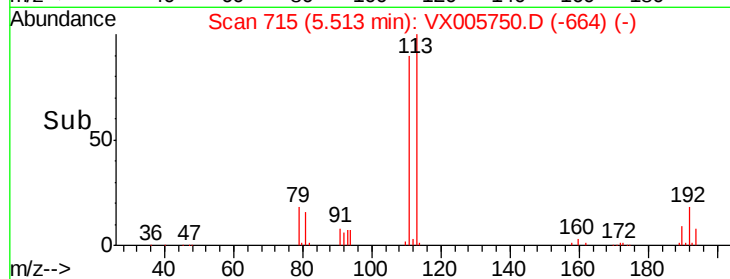
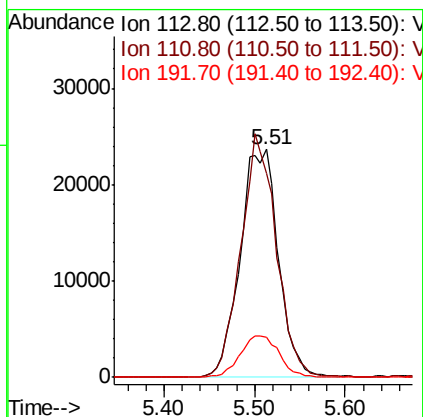
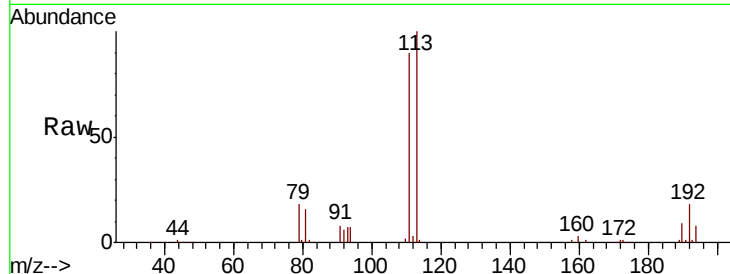




#35
Dibromofluoromethane
Concen: 52.425 ug/l
RT: 5.51 min Scan# 715
Delta R.T. 0.01 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

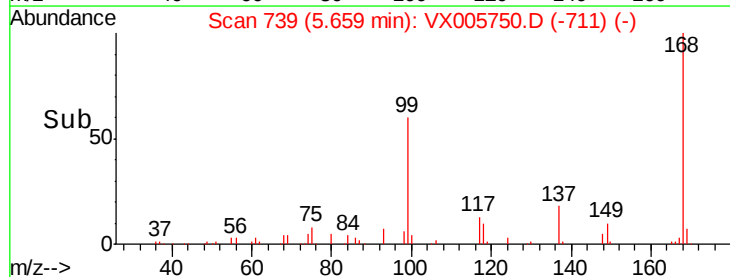
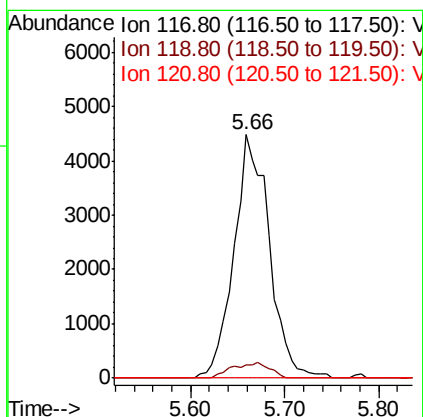
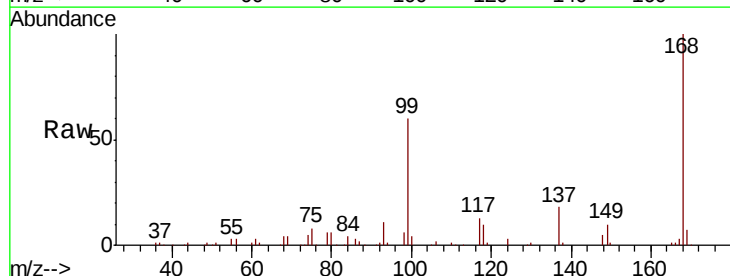
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#01

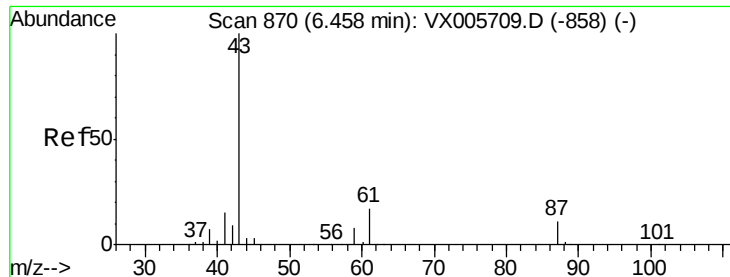
Tot Ion:113 Resp: 68948
Ion Ratio Lower Upper
113 100
111 99.3 82.3 123.5
192 18.8 17.9 26.9



#38
Carbon Tetrachloride
Concen: 6.428 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

Tgt Ion:117 Resp: 11752
Ion Ratio Lower Upper
117 100
119 5.6 78.1 117.1#
121 0.0 24.6 36.8#



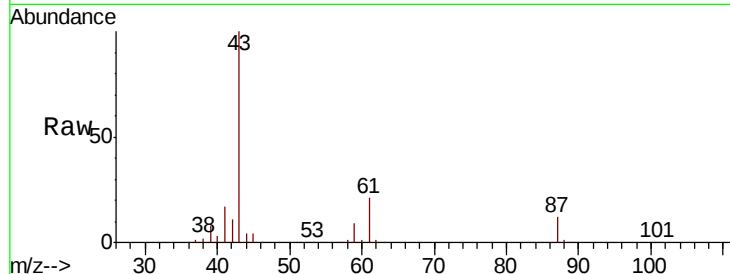


#43

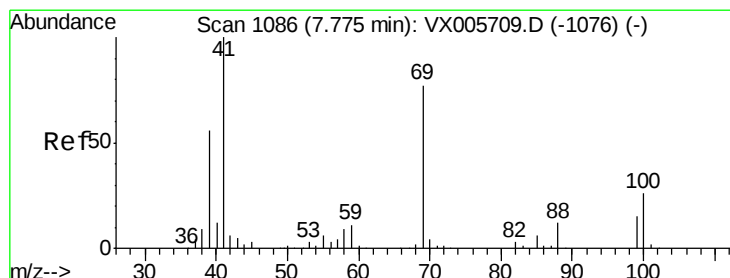
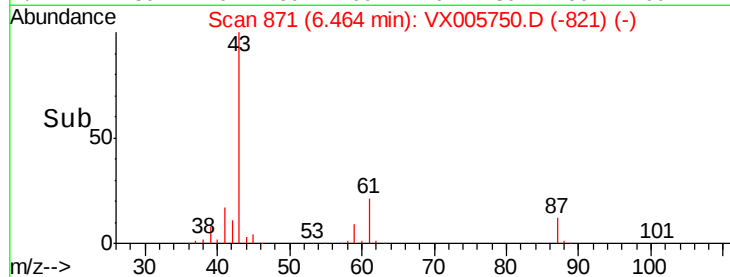
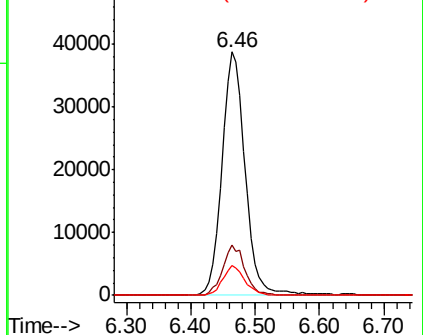
Isopropyl Acetate
 Concen: 26.342 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005750.D
 Acq: 02 Nov 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#01

Tot Ion	43	Resp	98711
Ion	Ratio	Lower	Upper
43	100		
61	19.8	14.6	22.0
87	11.6	9.6	14.4



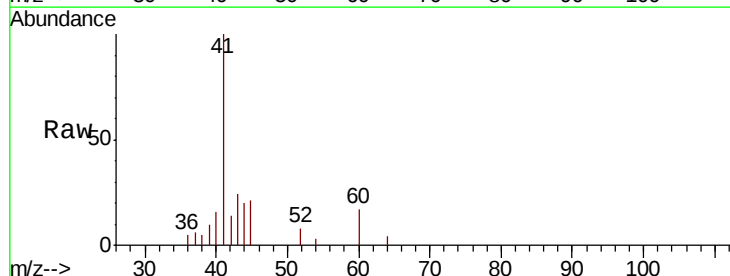
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



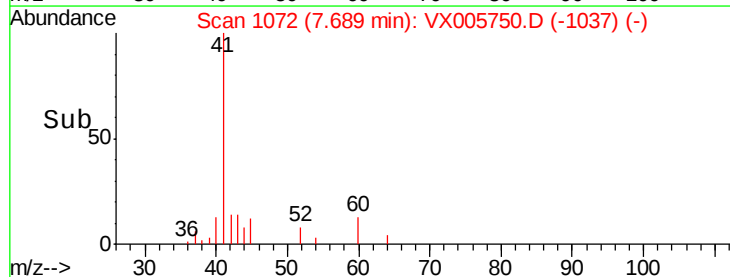
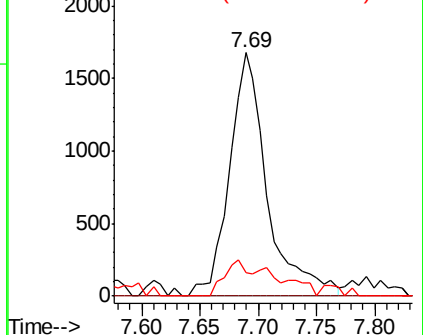
#48

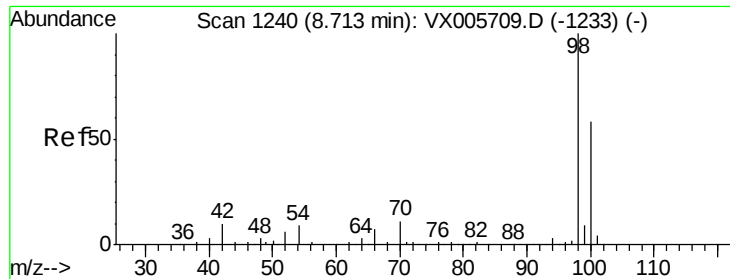
Methyl methacrylate
 Concen: 2.087 ug/l
 RT: 7.69 min Scan# 1072
 Delta R.T. -0.09 min
 Lab File: VX005750.D
 Acq: 02 Nov 2018 12:27

Tgt Ion	41	Resp	3785
Ion	Ratio	Lower	Upper
41	100		
69	0.0	63.2	94.8#
39	9.7	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

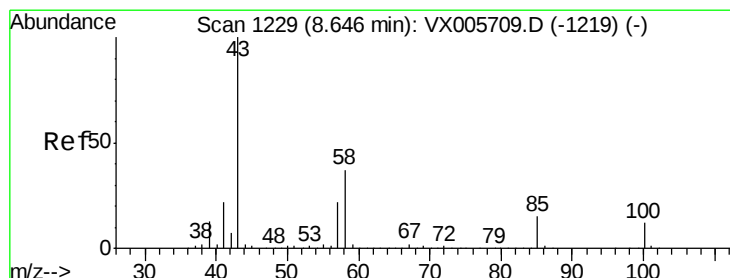
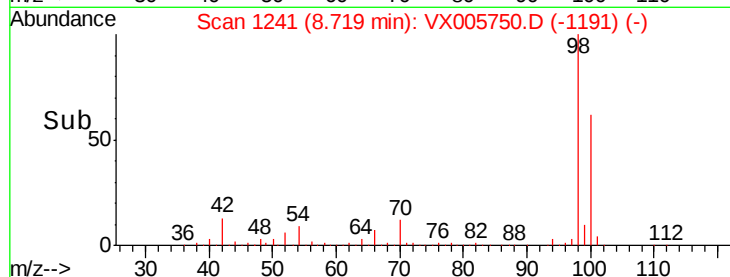
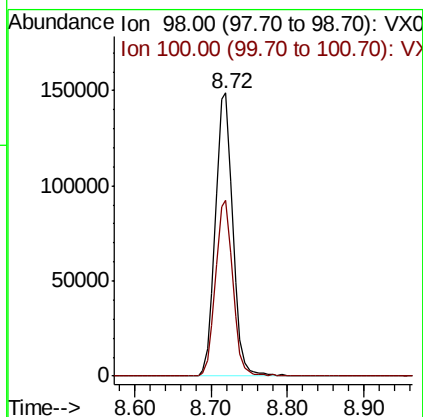
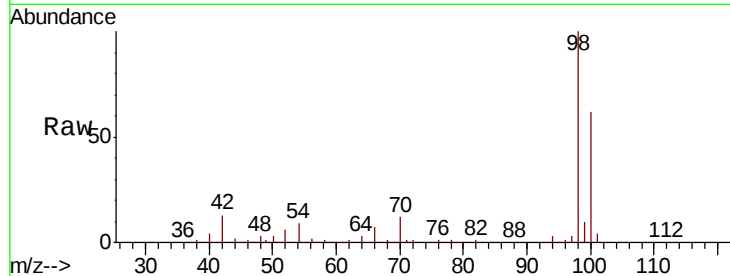




#50
Toluene-d8
Concen: 51.052 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

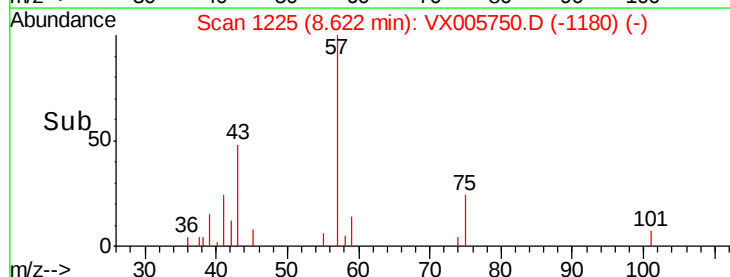
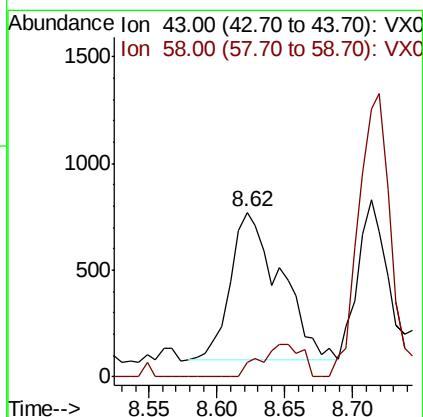
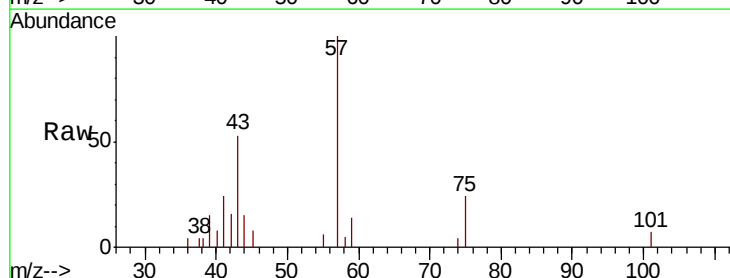
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#01

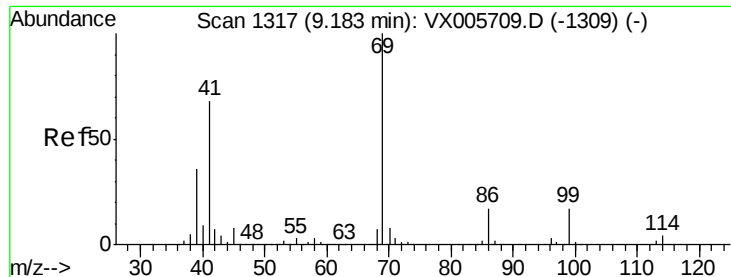
Tot Ion: 98 Resp: 235493
Ion Ratio Lower Upper
98 100
100 61.7 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.693 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#

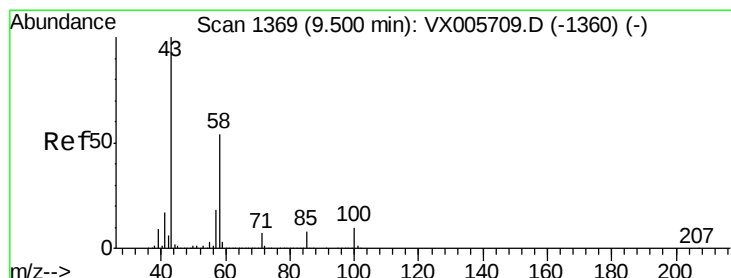
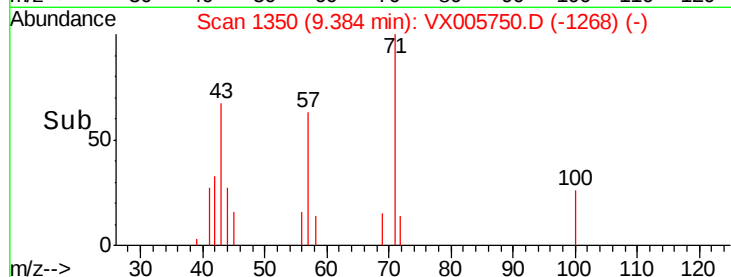
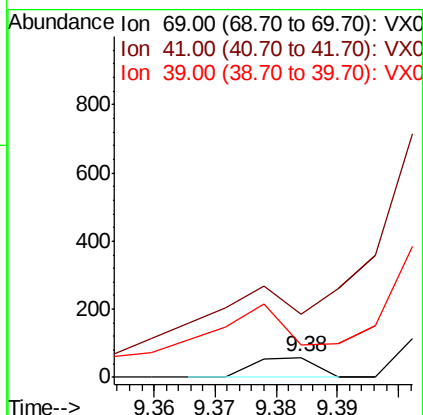
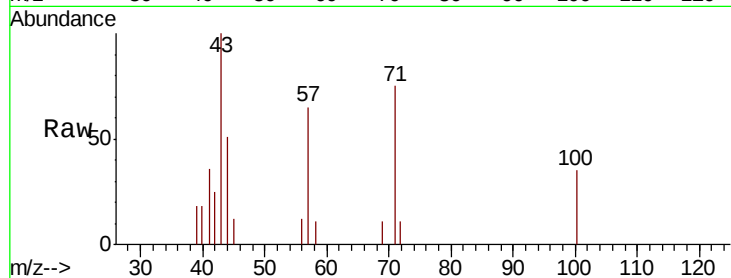




#56
Ethyl methacrylate
Concen: 2.487 ug/l
RT: 9.38 min Scan# 1350
Delta R.T. 0.20 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

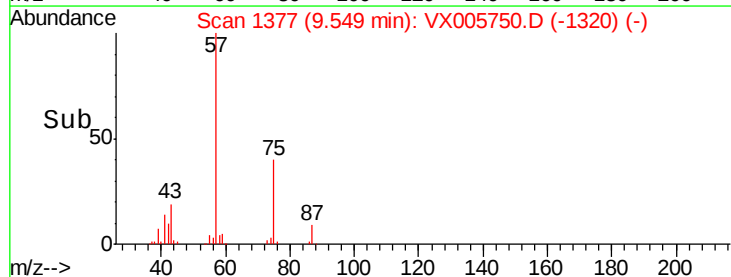
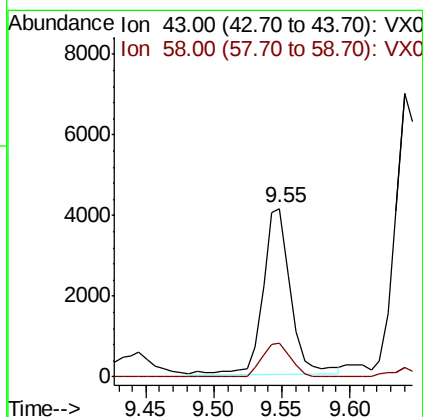
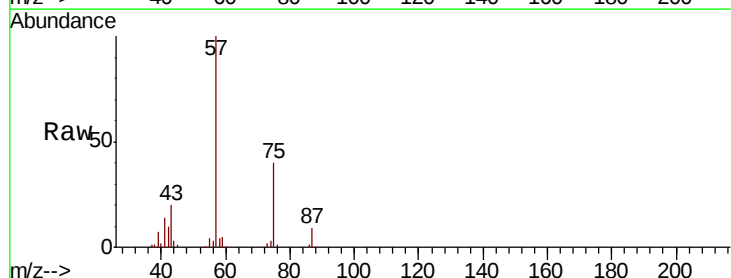
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#01

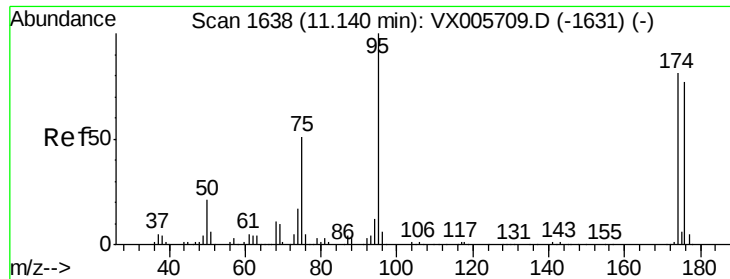
Tot Ion: 69 Resp: 42
Ion Ratio Lower Upper
69 100
41 0.0 57.0 85.6#
39 614.3 28.3 42.5#



#59
2-Hexanone
Concen: 2.858 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.05 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

Tgt Ion: 43 Resp: 5942
Ion Ratio Lower Upper
43 100
58 20.6 25.9 77.8#

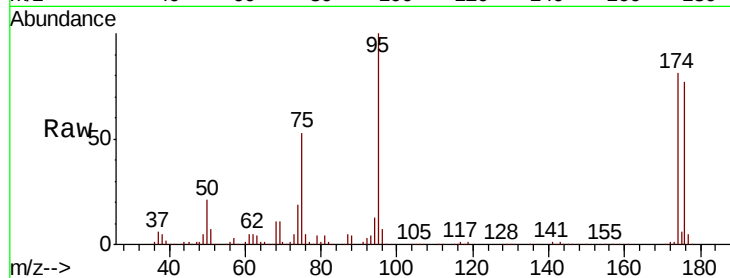




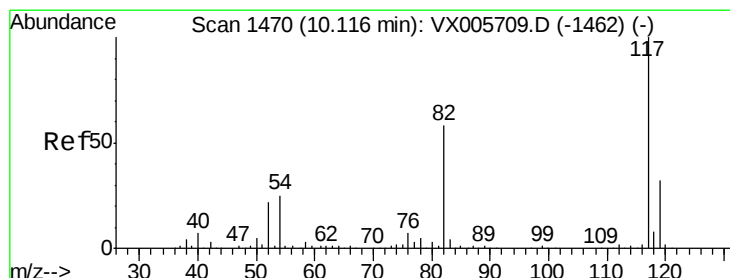
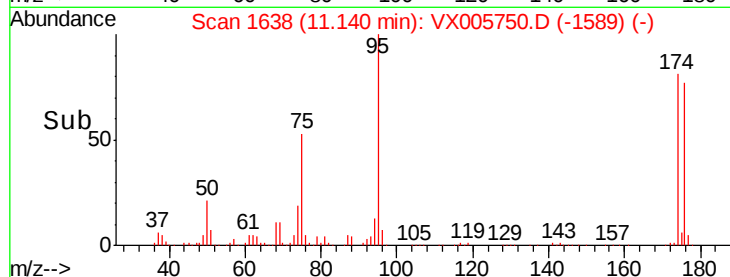
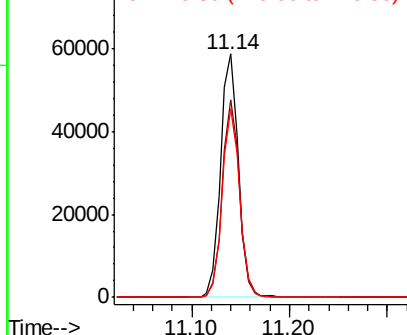
#62
4-Bromofluorobenzene
Concen: 43.582 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#01

Tot Ion: 95 Resp: 74196
Ion Ratio Lower Upper
95 100
174 79.2 0.0 184.4
176 75.9 0.0 177.4

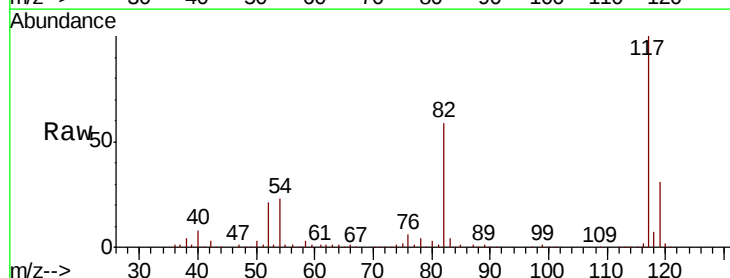


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

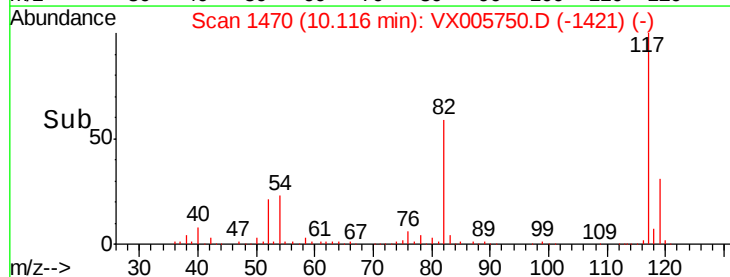
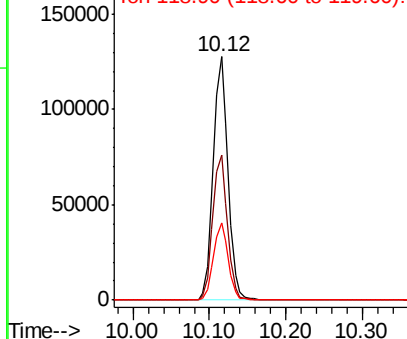


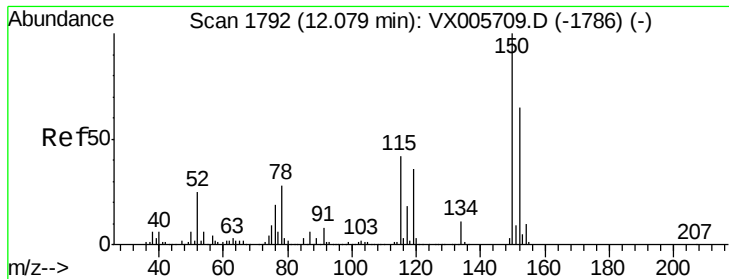
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005750.D
Acq: 02 Nov 2018 12:27

Tgt Ion: 117 Resp: 170861
Ion Ratio Lower Upper
117 100
82 59.5 44.1 66.1
119 31.5 26.2 39.2



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005750.D

Acq: 02 Nov 2018 12:27

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#01

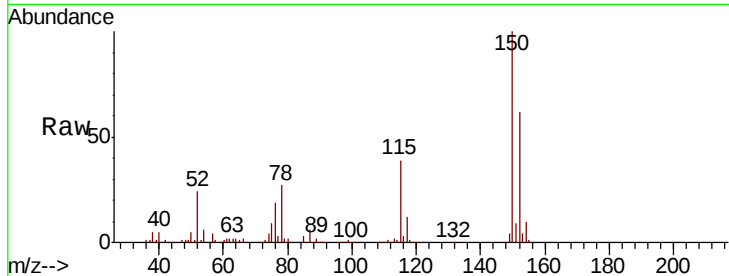
Tot Ion:152 Resp: 72296

Ion Ratio Lower Upper

152 100

115 59.7 39.4 118.1

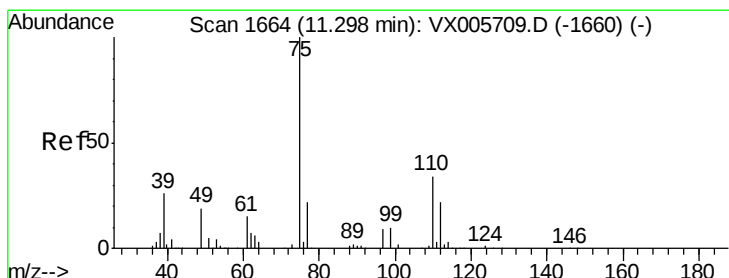
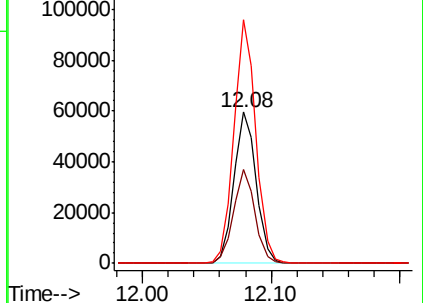
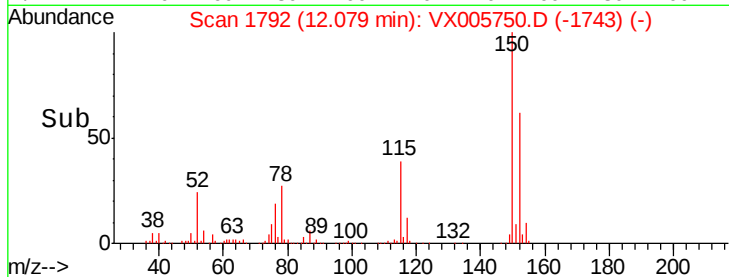
150 157.4 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 21.818 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005750.D

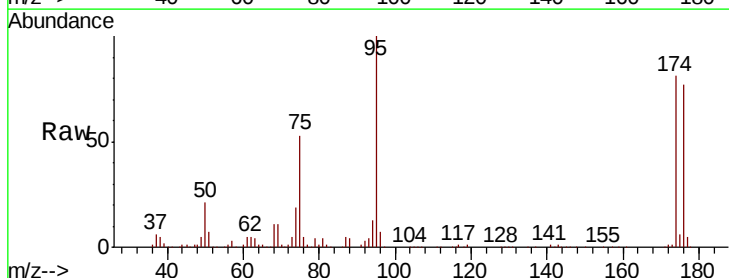
Acq: 02 Nov 2018 12:27

Tgt Ion: 75 Resp: 39286

Ion Ratio Lower Upper

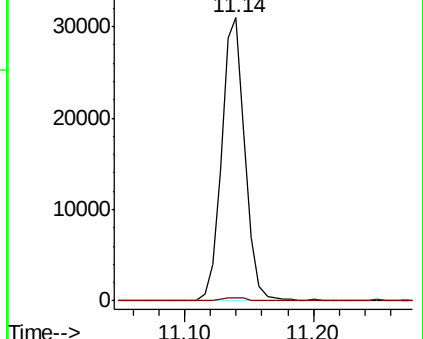
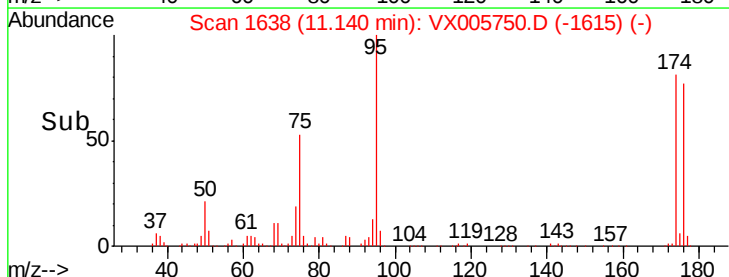
75 100

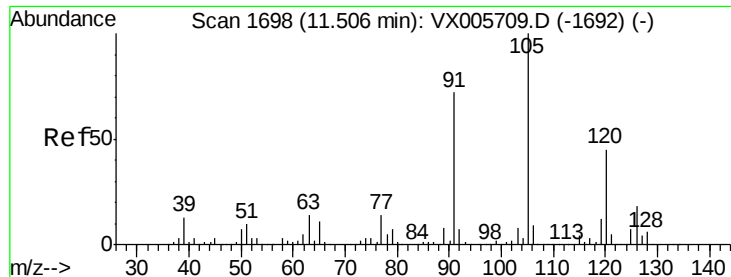
77 1.4 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

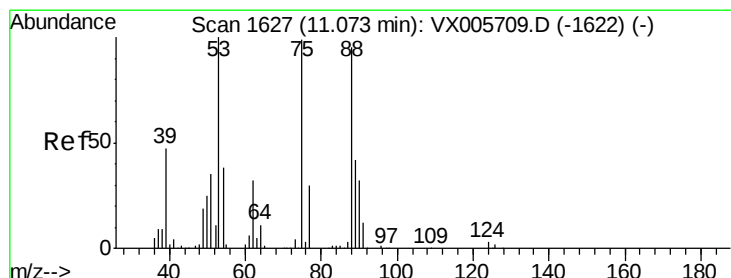
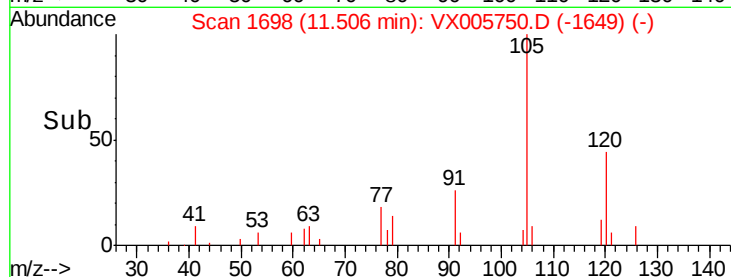
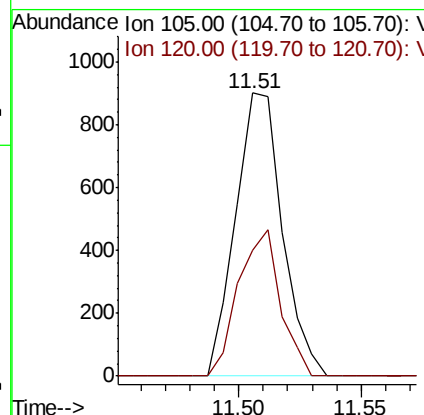
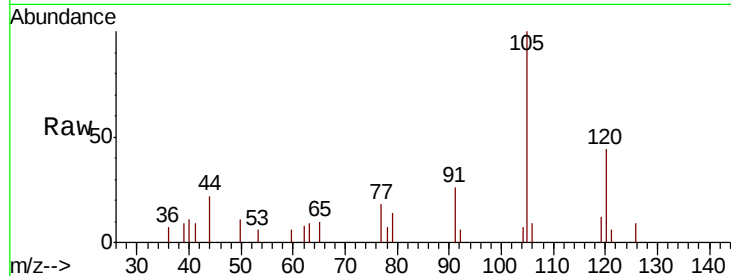




#80
 1,3,5-Trimethylbenzene
 Concen: 0.297 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005750.D
 Acq: 02 Nov 2018 12:27

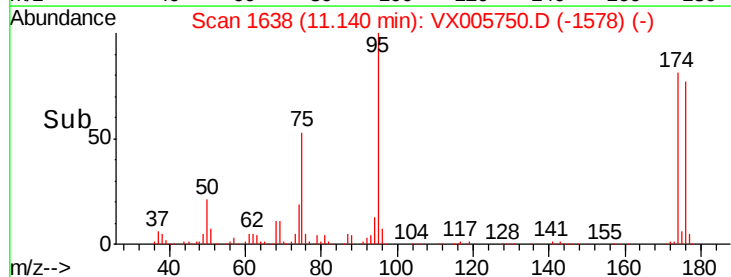
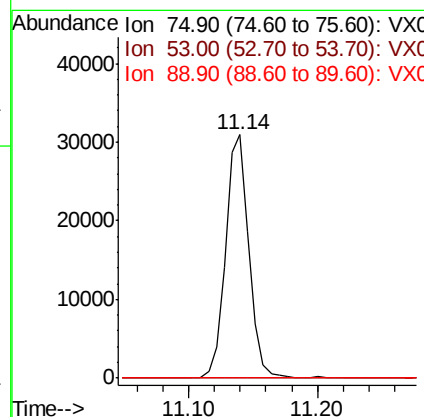
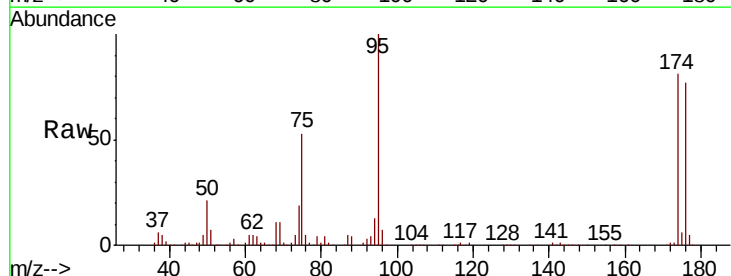
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#01

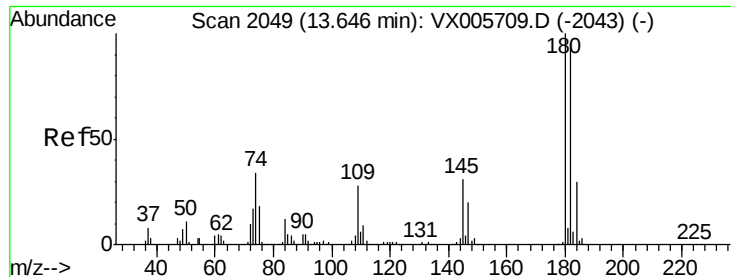
Tot Ion:105 Resp: 1202
 Ion Ratio Lower Upper
 105 100
 120 46.1 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.493 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005750.D
 Acq: 02 Nov 2018 12:27

Tgt Ion: 75 Resp: 39286
 Ion Ratio Lower Upper
 75 100
 53 0.4 80.2 120.2#
 89 0.0 39.8 59.8#

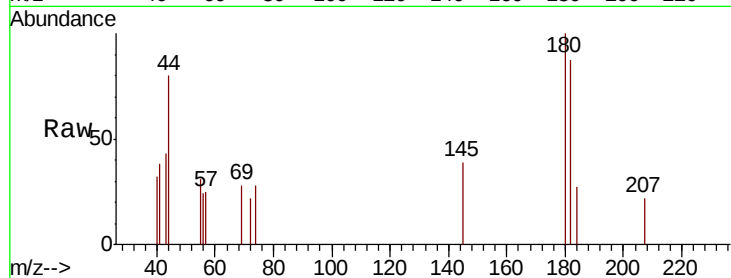




#93
 1,2,4-Trichlorobenzene
 Concen: 0.219 ug/l
 RT: 13.65 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VX005750.D
 Acq: 02 Nov 2018 12:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#01

Tot Ion	Ratio	Lower	Upper
180	100		
182	73.8	47.6	142.8
145	24.7	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

