

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005761.D
 Acq On : 02 Nov 2018 17:23
 Operator : JC/MD
 Sample : PB114401ZHE#12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114401ZHE#12

Quant Time: Nov 03 01:28:56 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	107094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	183045	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	162081	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	66456	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	84955	54.26	ug/l	0.00
Spiked Amount			Recovery	=	108.52%	
35) Dibromofluoromethane	5.51	113	62836	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	8.72	98	224519	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.14	95	68115	41.52	ug/l	0.00
Spiked Amount			Recovery	=	83.04%	

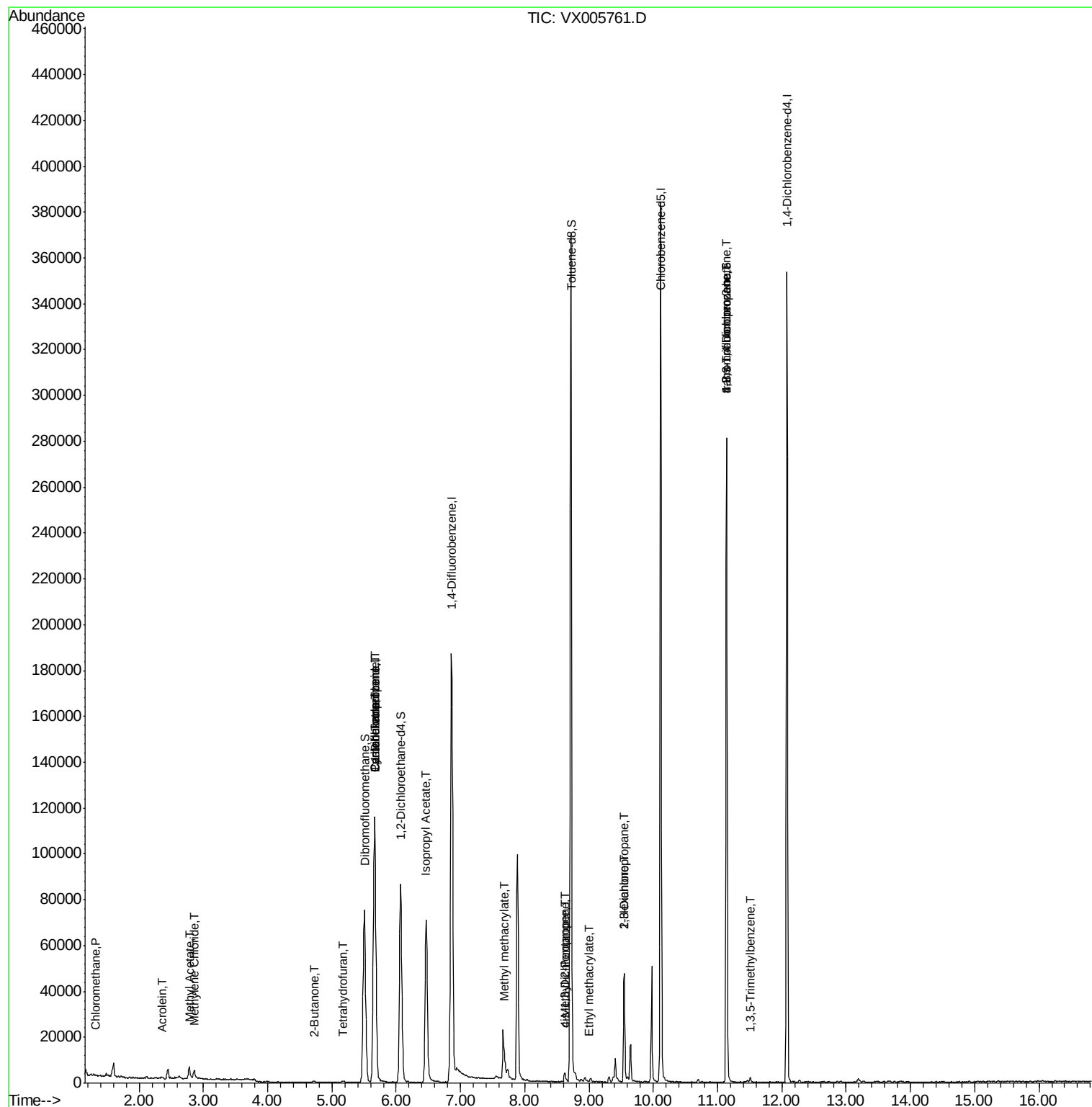
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	298	0.204	ug/l	90
6) Chloroethane	1.66	64	42	Below Cal	#	42
13) Acrolein	2.36	56	40	12.308	ug/l #	42
16) Acetone	2.45	43	4497	Below Cal	#	84
18) Methyl Acetate	2.78	43	6545	2.913	ug/l	92
20) Methylene Chloride	2.86	84	1590	1.178	ug/l #	85
25) 2-Butanone	4.72	43	825	0.625	ug/l #	89
29) Tetrahydrofuran	5.16	42	381	0.473	ug/l #	77
31) Cyclohexane	5.67	56	2604	1.245	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	9277	4.757	ug/l #	44
38) Carbon Tetrachloride	5.67	117	11169	6.339	ug/l #	16
43) Isopropyl Acetate	6.46	43	90601	25.089	ug/l	97
48) Methyl methacrylate	7.68	41	4185	2.394	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	1493	0.606	ug/l #	56
54) cis-1,3-Dichloropropene	8.62	75	518	0.250	ug/l #	64
56) Ethyl methacrylate	9.00	69	46	2.490	ug/l #	22
57) 1,3-Dichloropropane	9.55	76	481	0.205	ug/l #	43
59) 2-Hexanone	9.54	43	5511	2.750	ug/l #	62
76) 1,2,3-Trichloropropane	11.14	75	36754	22.206	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	870	0.234	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.14	75	36754	71.745	ug/l #	9

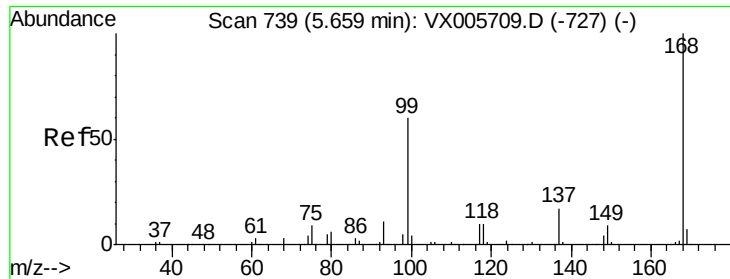
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005761.D

Acq: 02 Nov 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

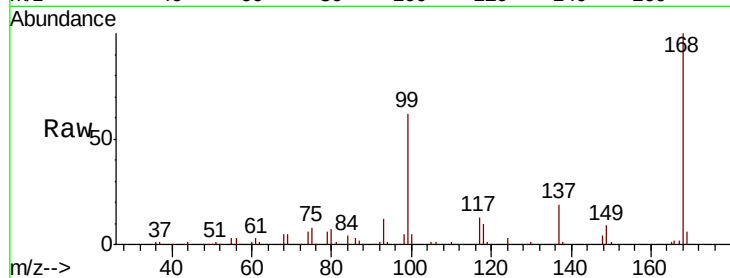
PB114401ZHE#12

Tot Ion:168 Resp: 107094

Ion Ratio Lower Upper

168 100

99 62.2 40.7 61.1#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

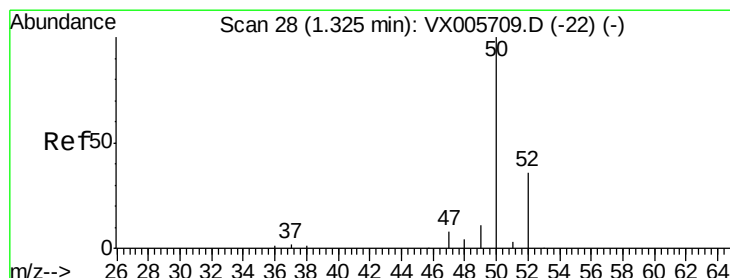
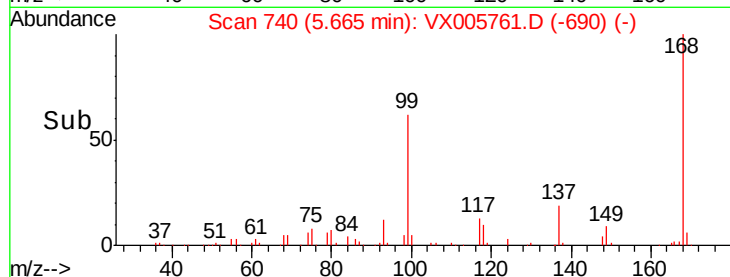
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.204 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005761.D

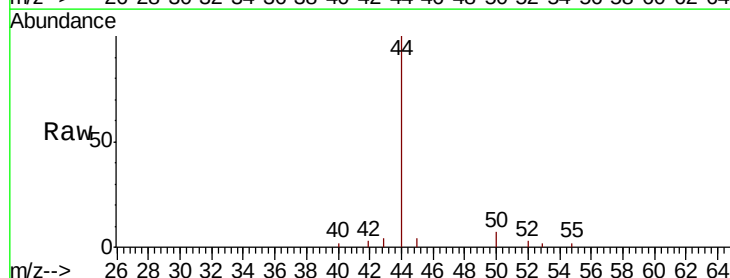
Acq: 02 Nov 2018 17:23

Tgt Ion: 50 Resp: 298

Ion Ratio Lower Upper

50 100

52 38.2 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

250

200

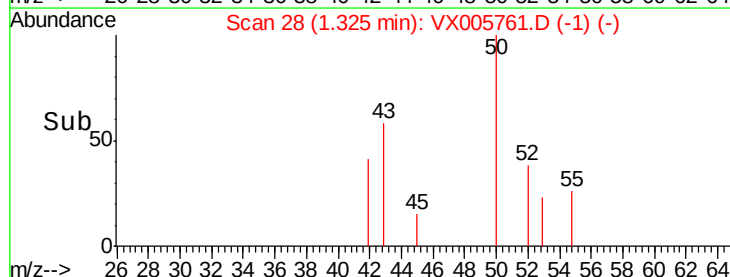
150

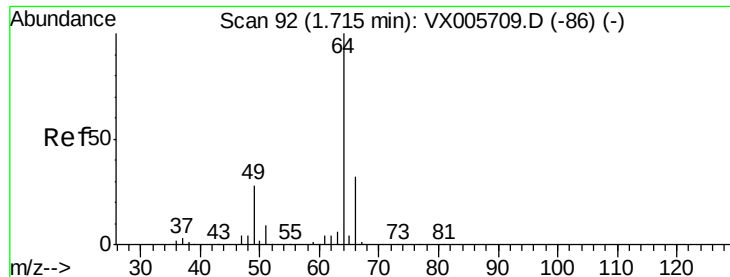
100

50

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 83

Delta R.T. -0.05 min

Lab File: VX005761.D

Acq: 02 Nov 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

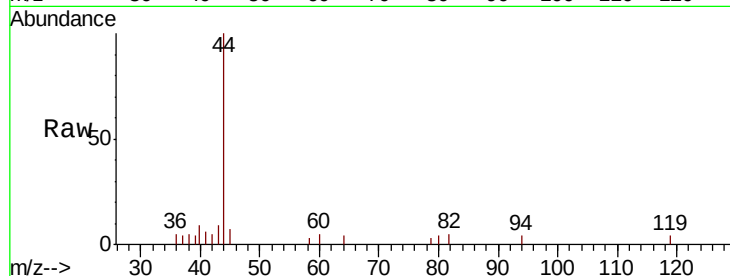
PB114401ZHE#12

Tot Ion: 64 Resp: 42

Ion Ratio Lower Upper

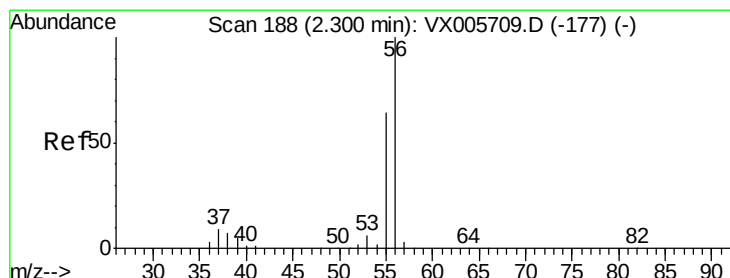
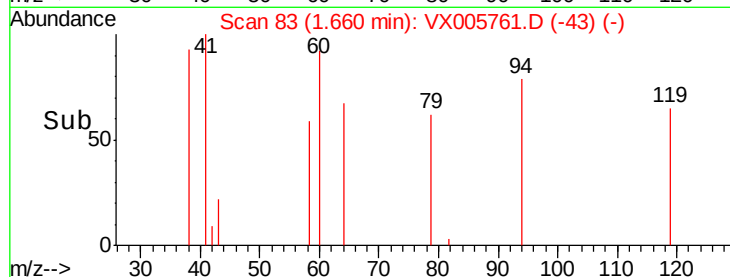
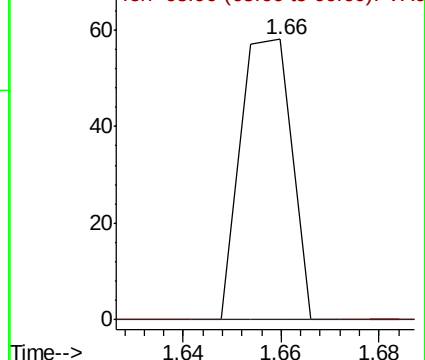
64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#13

Acrolein

Concen: 12.308 ug/l

RT: 2.36 min Scan# 198

Delta R.T. 0.06 min

Lab File: VX005761.D

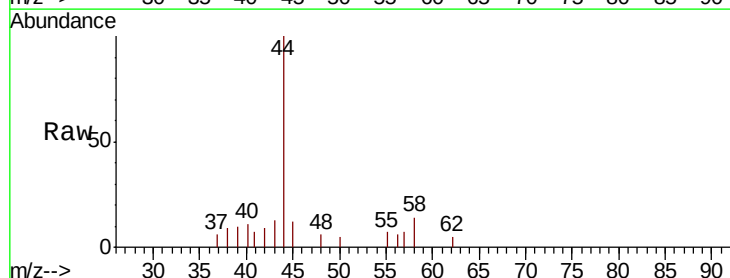
Acq: 02 Nov 2018 17:23

Tgt Ion: 56 Resp: 40

Ion Ratio Lower Upper

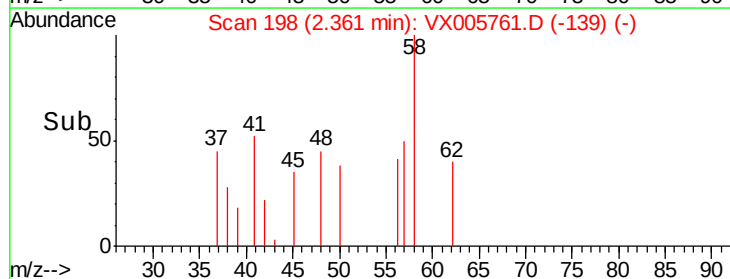
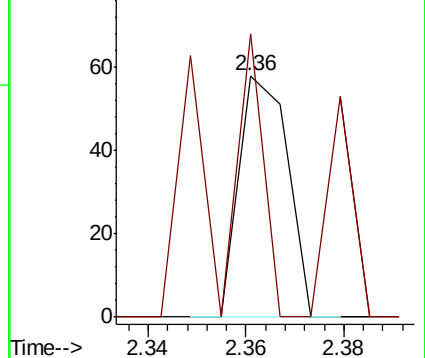
56 100

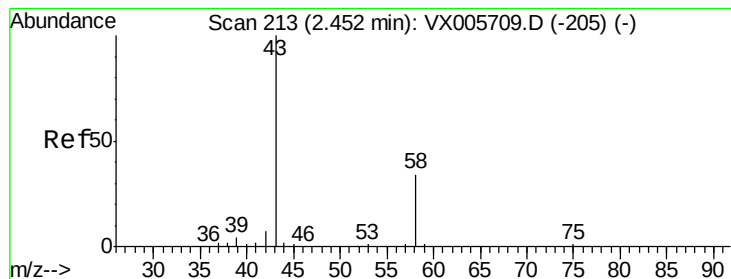
55 120.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: Below Cal

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX005761.D

Acq: 02 Nov 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

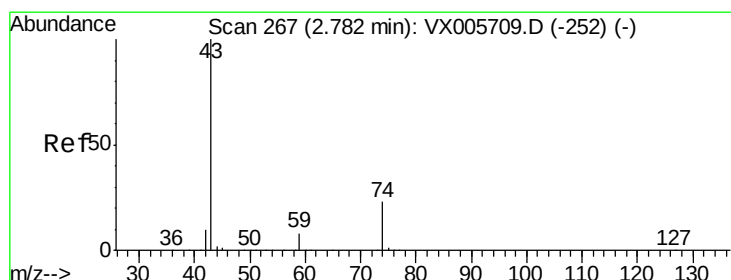
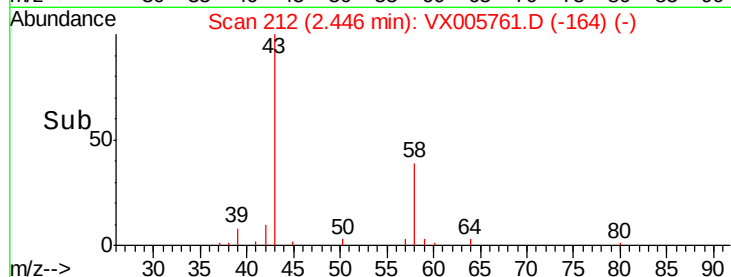
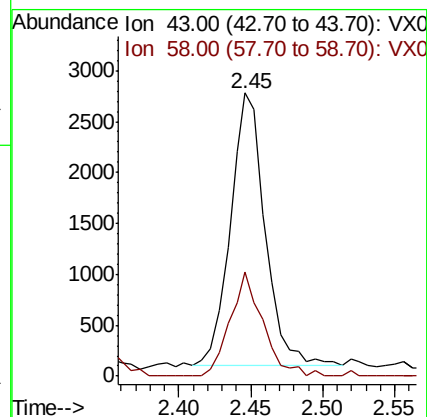
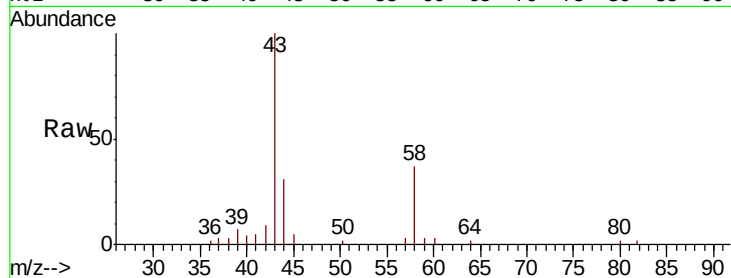
PB114401ZHE#12

Tot Ion: 43 Resp: 4497

Ion Ratio Lower Upper

43 100

58 38.4 23.8 35.6#



#18

Methyl Acetate

Concen: 2.913 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005761.D

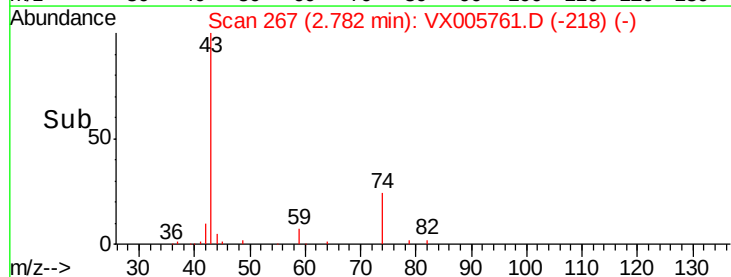
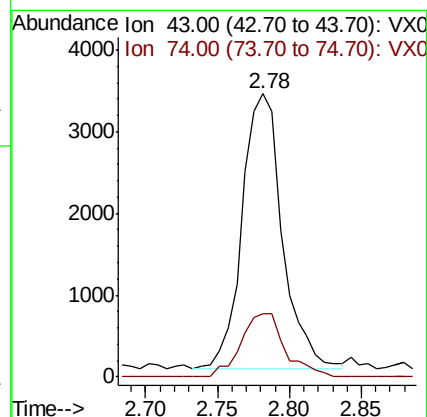
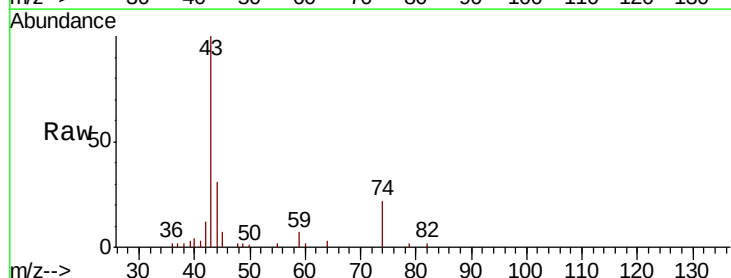
Acq: 02 Nov 2018 17:23

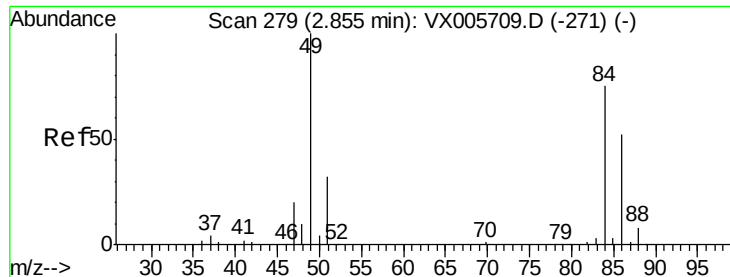
Tgt Ion: 43 Resp: 6545

Ion Ratio Lower Upper

43 100

74 24.9 16.8 25.2

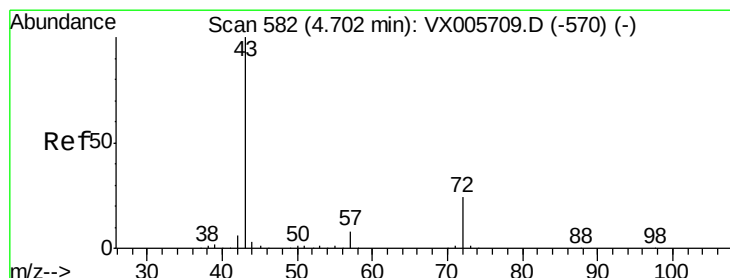
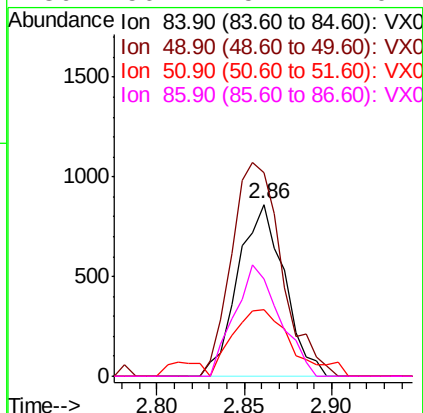
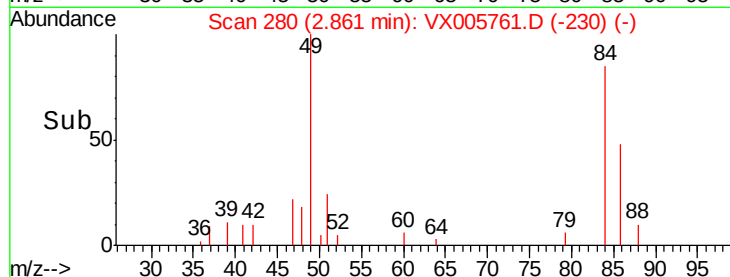
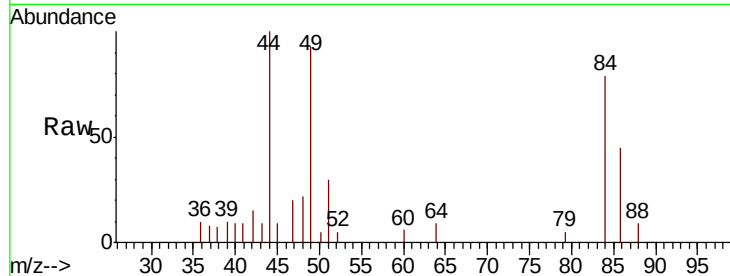




#20
Methylene Chloride
Concen: 1.178 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

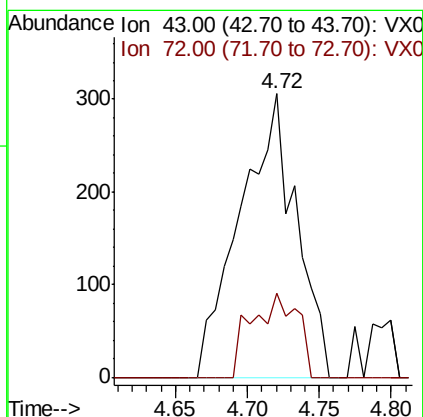
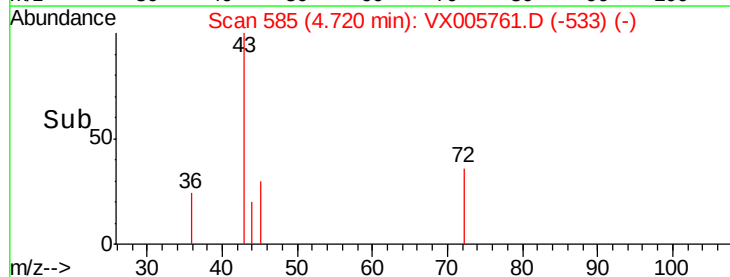
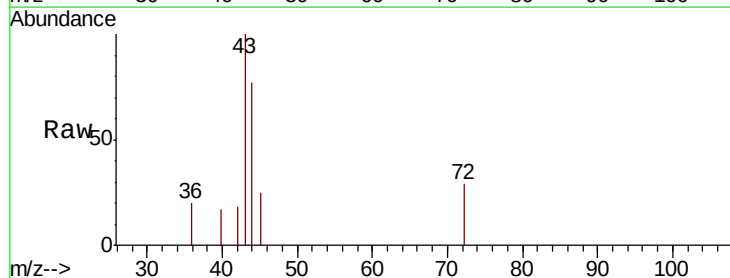
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#12

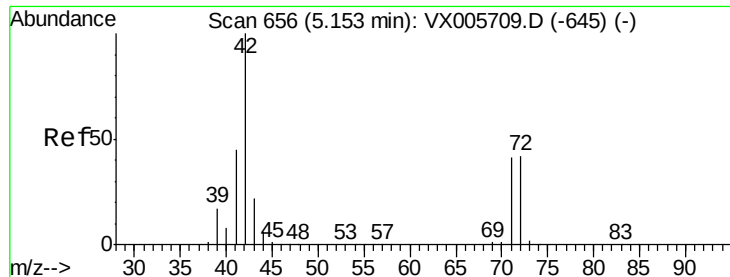
Tot Ion: 84 Resp: 1590
Ion Ratio Lower Upper
84 100
49 118.1 109.5 164.3
51 31.1 33.3 49.9#
86 56.7 52.7 79.1



#25
2-Butanone
Concen: 0.625 ug/l
RT: 4.72 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

Tgt Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
72 29.4 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.473 ug/l

RT: 5.16 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX005761.D

Acq: 02 Nov 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#12

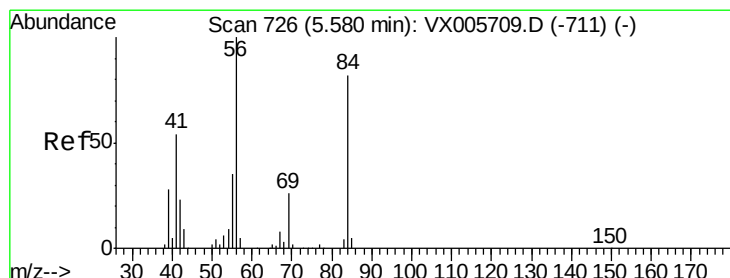
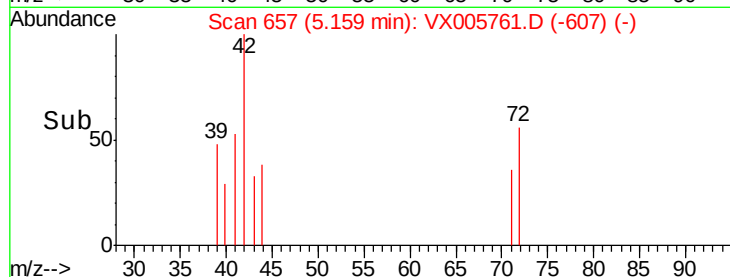
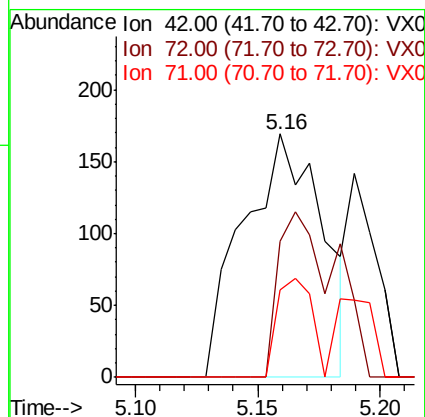
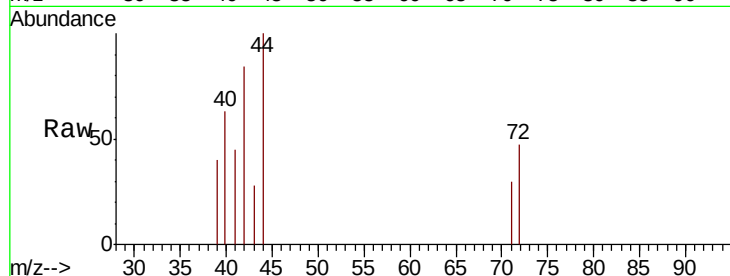
Tot Ion: 42 Resp: 381

Ion Ratio Lower Upper

42 100

72 49.3 32.0 48.0#

71 18.1 29.8 44.8#



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005761.D

Acq: 02 Nov 2018 17:23

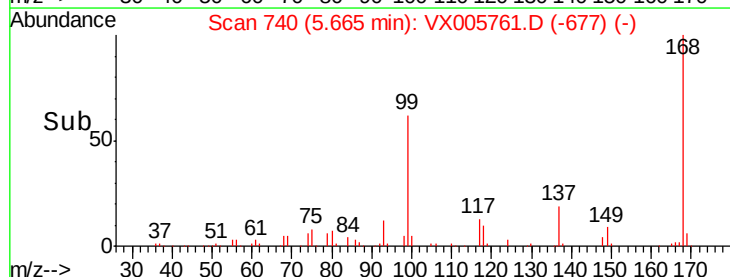
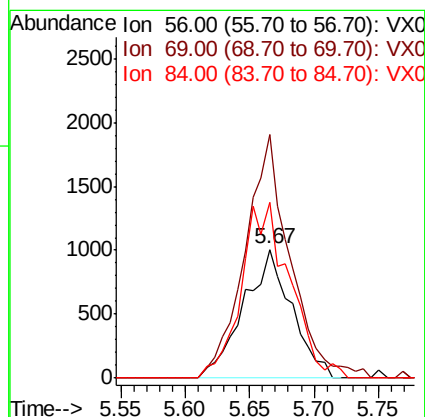
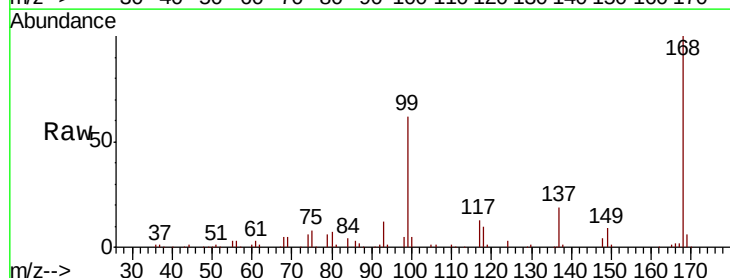
Tgt Ion: 56 Resp: 2604

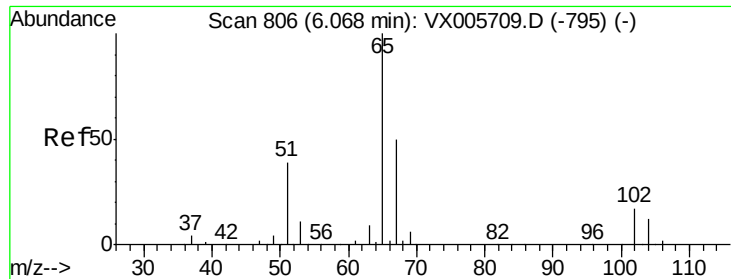
Ion Ratio Lower Upper

56 100

69 189.2 22.6 34.0#

84 136.8 62.7 94.1#

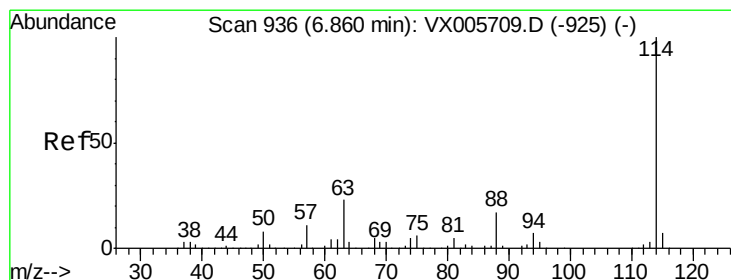
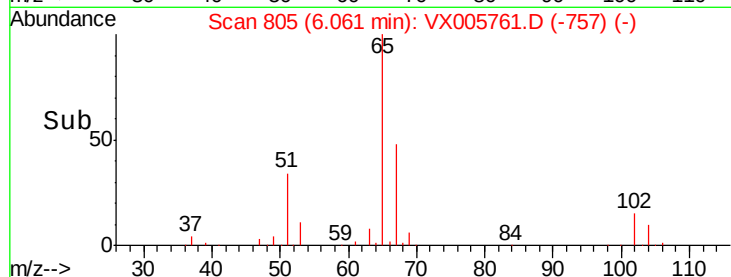
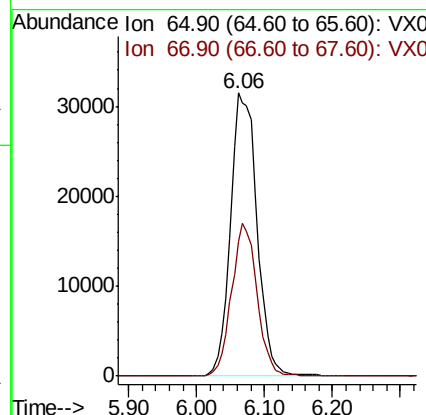
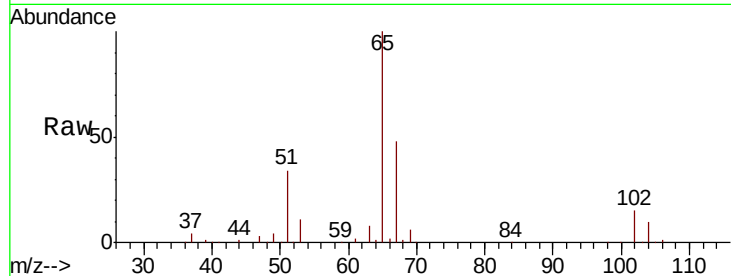




#33
 1,2-Dichloroethane-d4
 Concen: 54.259 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005761.D
 Acq: 02 Nov 2018 17:23

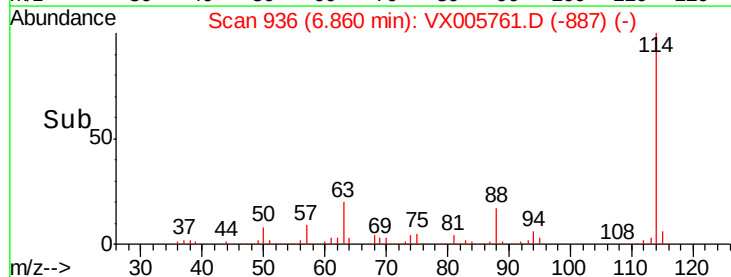
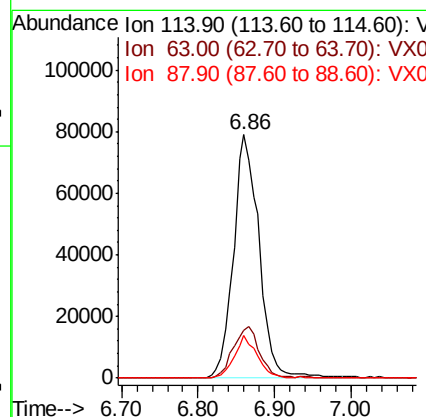
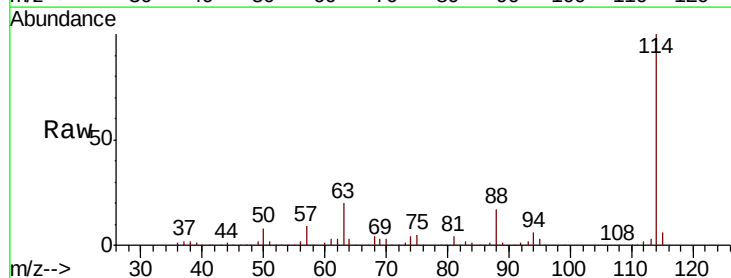
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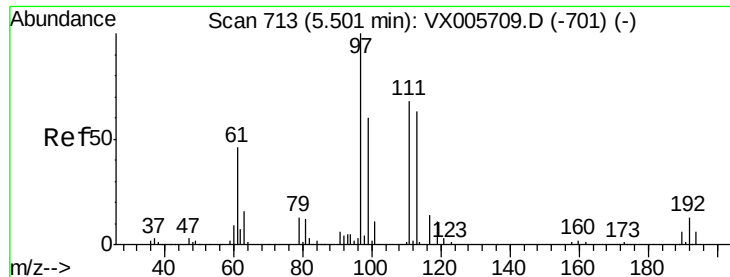
Tot Ion: 65 Resp: 84955
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005761.D
 Acq: 02 Nov 2018 17:23

Tgt Ion:114 Resp: 183045
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 42.8
 88 17.3 0.0 31.2

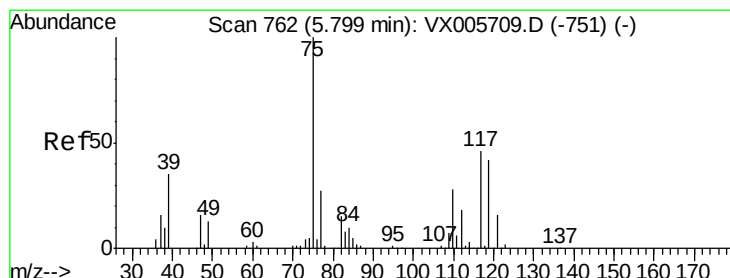
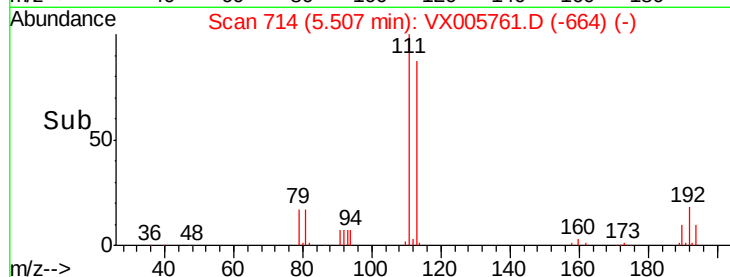
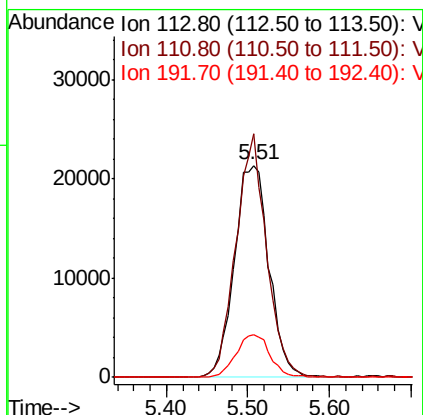
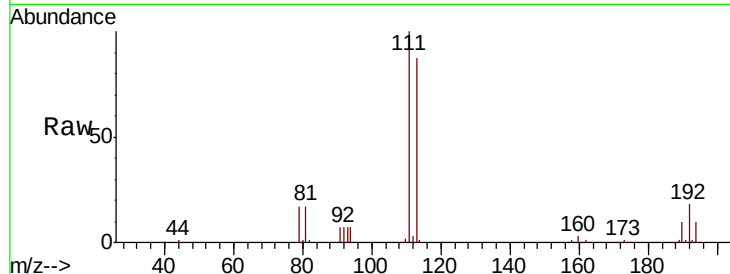




#35
Dibromofluoromethane
Concen: 49.578 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.01 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

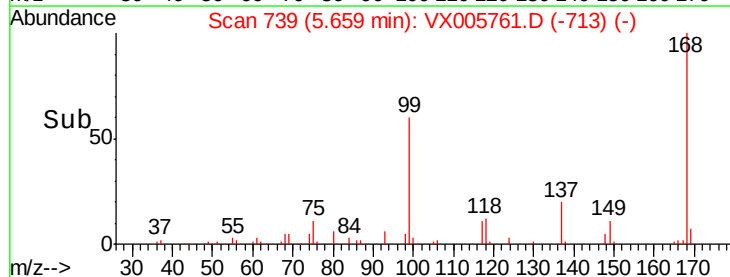
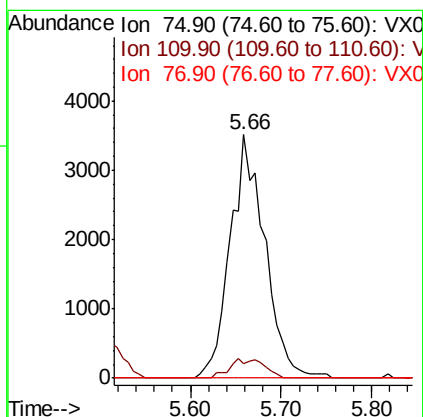
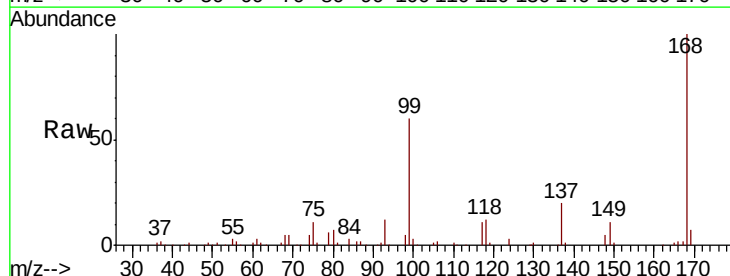
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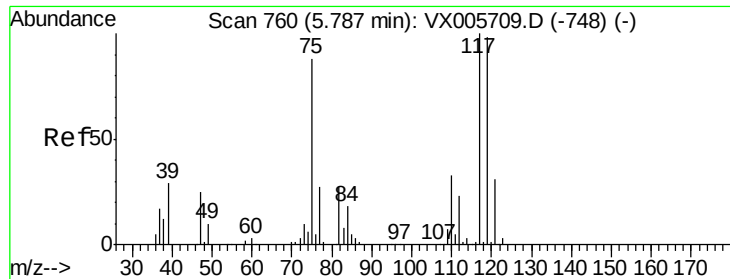
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.3	123.5
192	19.7	17.9	26.9



#36
1,1-Dichloropropene
Concen: 4.757 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.7	17.4	52.2#
77	0.0	25.8	38.6#

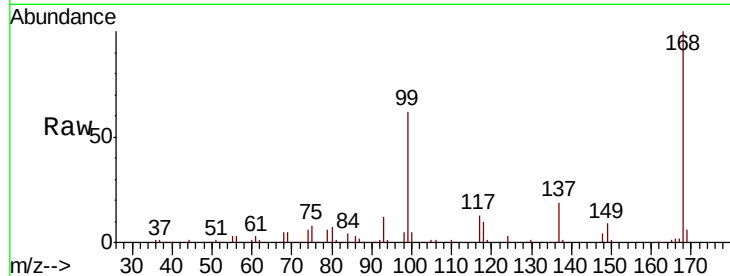




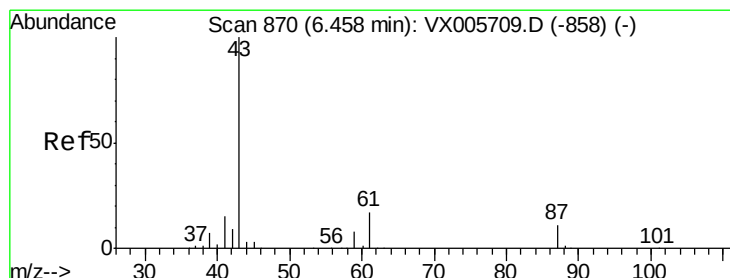
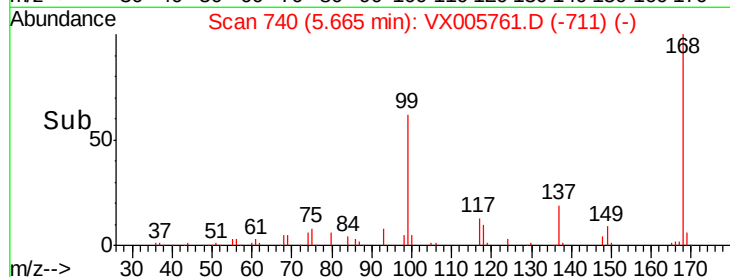
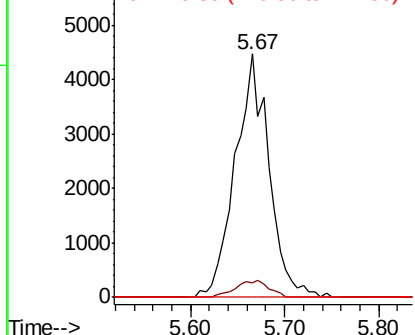
#38
Carbon Tetrachloride
Concen: 6.339 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#12

Tot Ion:117 Resp: 11169
Ion Ratio Lower Upper
117 100
119 6.0 78.1 117.1#
121 0.0 24.6 36.8#

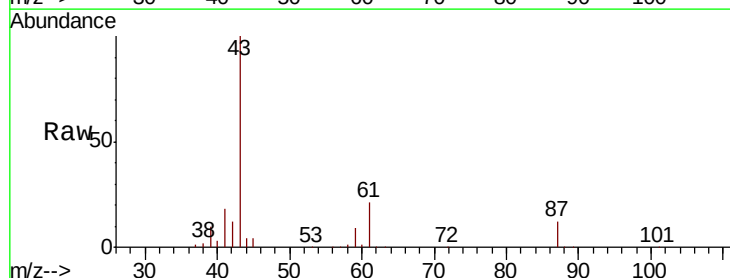


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

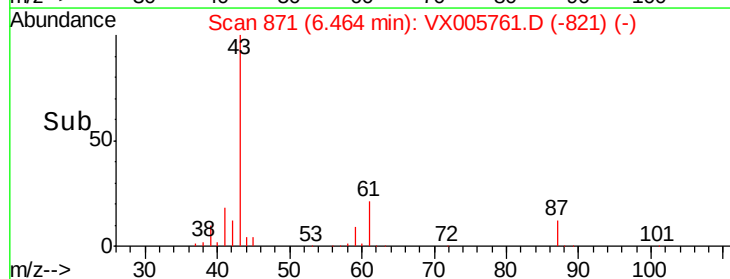
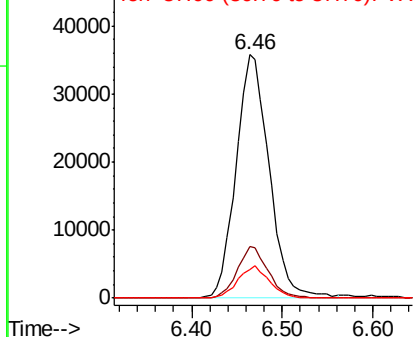


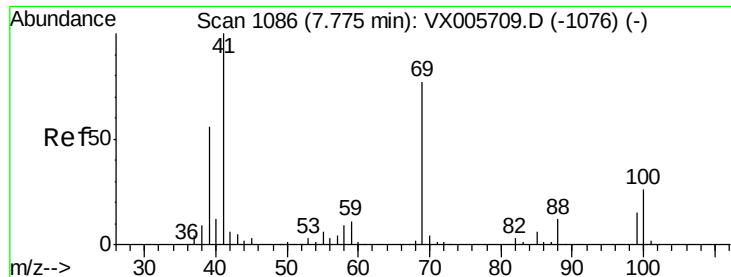
#43
Isopropyl Acetate
Concen: 25.089 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.01 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

Tgt Ion: 43 Resp: 90601
Ion Ratio Lower Upper
43 100
61 19.8 14.6 22.0
87 12.7 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

Methvl methacrylate

Concen: 2.394 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX005761.D

Acq: 02 Nov 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#12

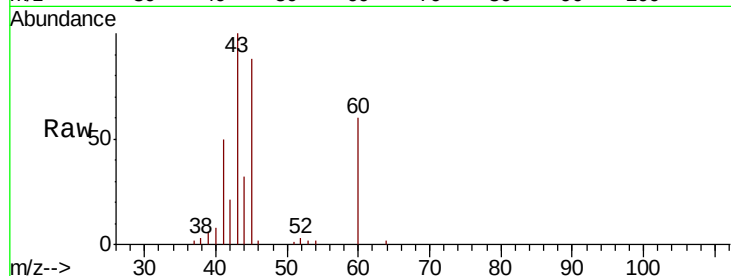
Tot Ion: 41 Resp: 4185

Ion Ratio Lower Upper

41 100

69 0.0 63.2 94.8#

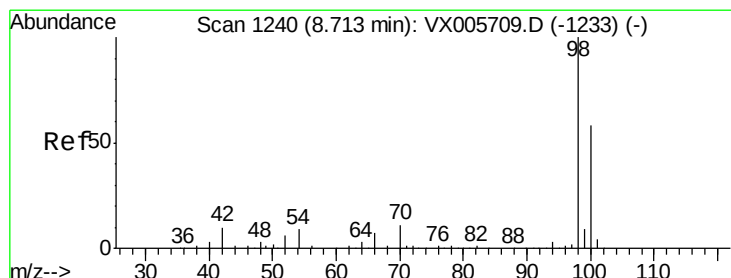
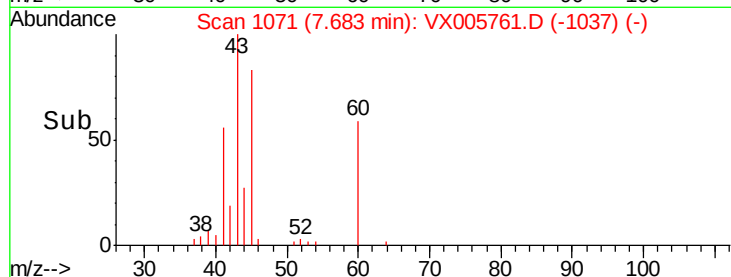
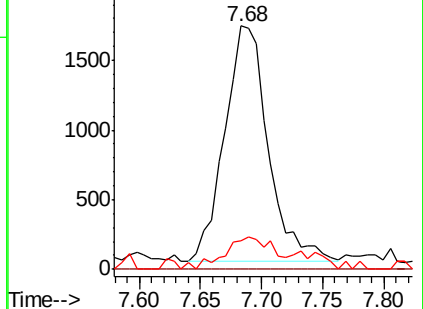
39 15.4 42.2 63.2#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#50

Toluene-d8

Concen: 50.508 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX005761.D

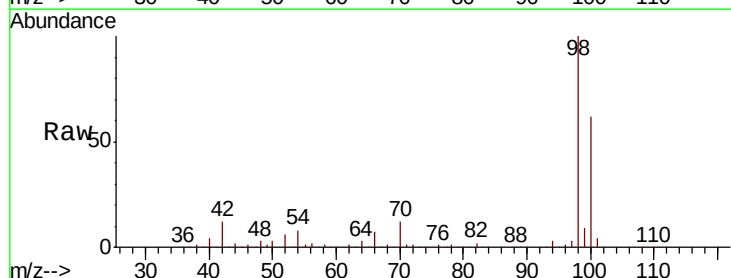
Acq: 02 Nov 2018 17:23

Tgt Ion: 98 Resp: 224519

Ion Ratio Lower Upper

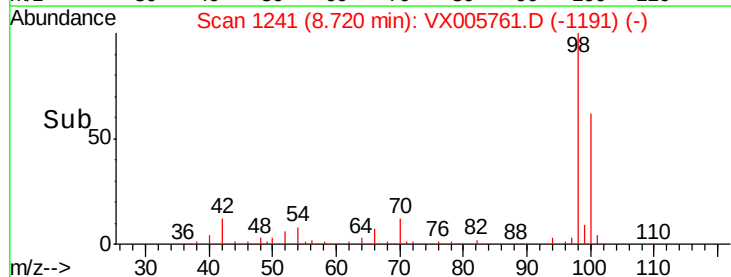
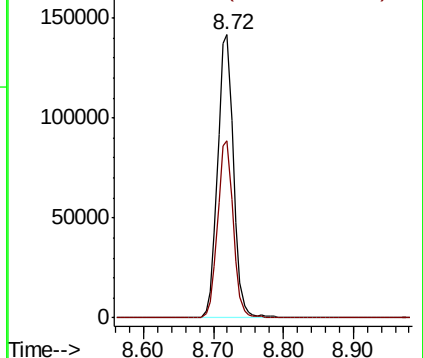
98 100

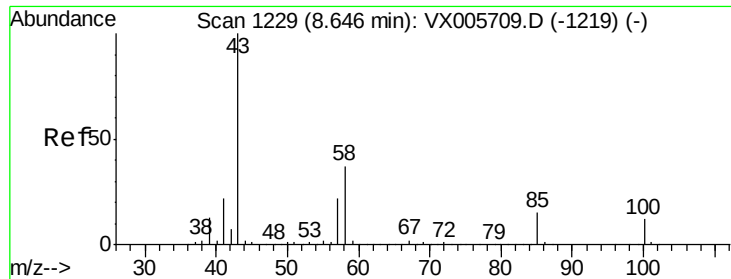
100 61.6 51.3 76.9



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: 0.606 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX005761.D

Acq: 02 Nov 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

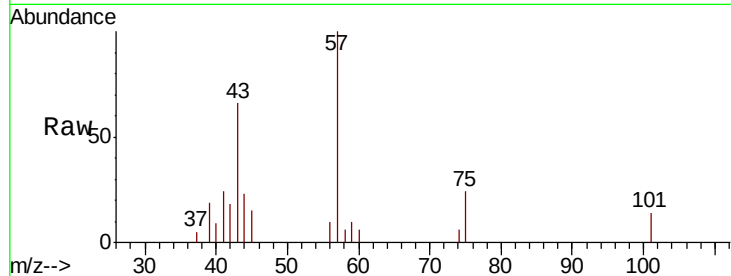
PB114401ZHE#12

Tot Ion: 43 Resp: 1493

Ion Ratio Lower Upper

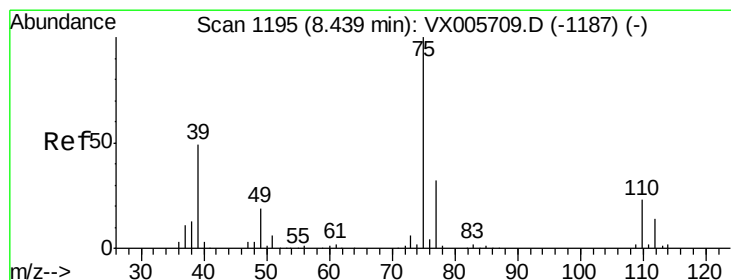
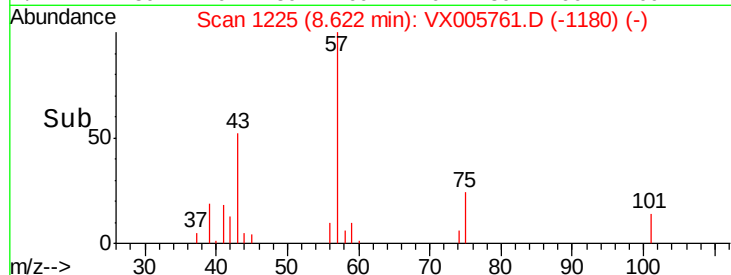
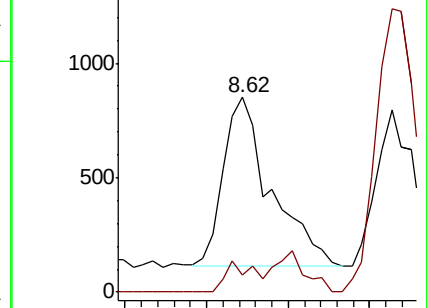
43 100

58 10.8 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.250 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.18 min

Lab File: VX005761.D

Acq: 02 Nov 2018 17:23

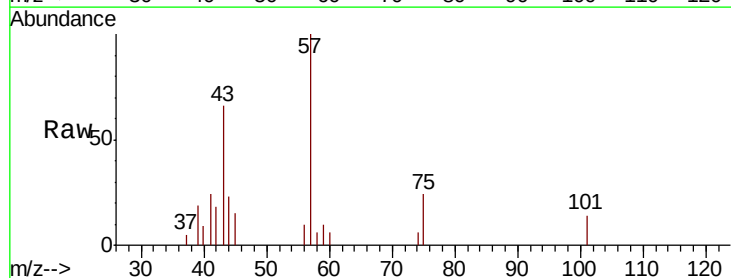
Tgt Ion: 75 Resp: 518

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

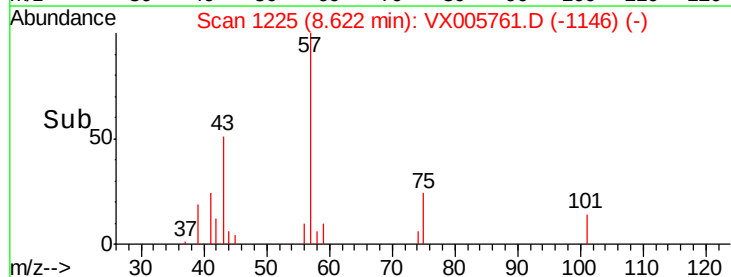
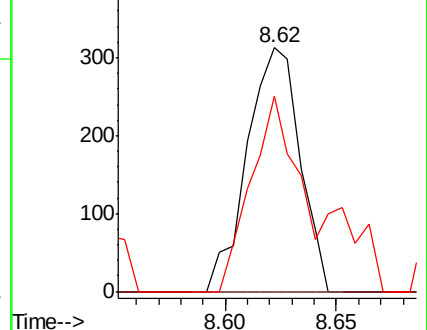
39 62.3 38.2 57.2#

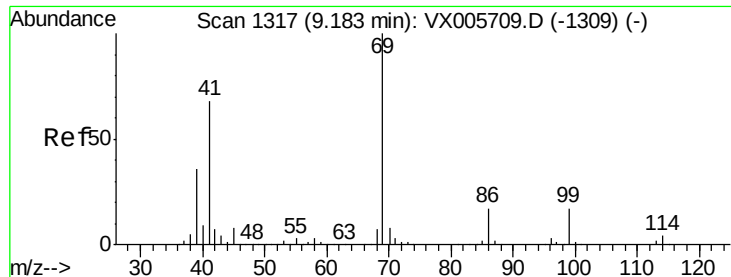


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

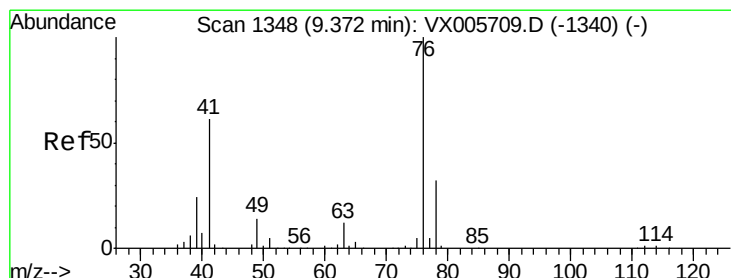
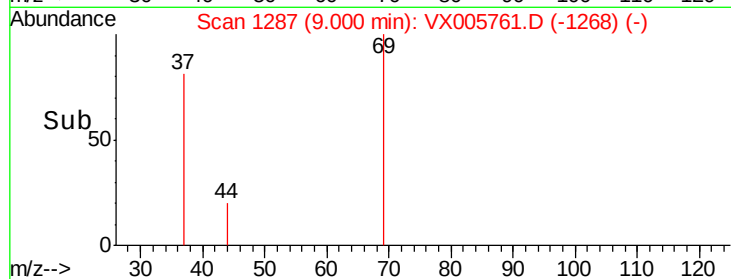
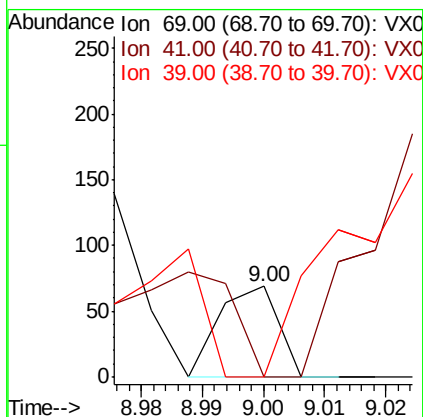
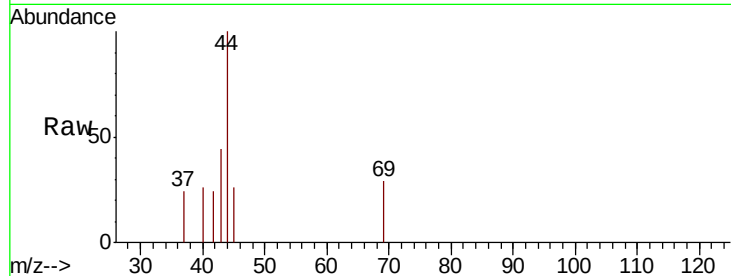




#56
Ethyl methacrylate
Concen: 2.490 ug/l
RT: 9.00 min Scan# 1287
Delta R.T. -0.18 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

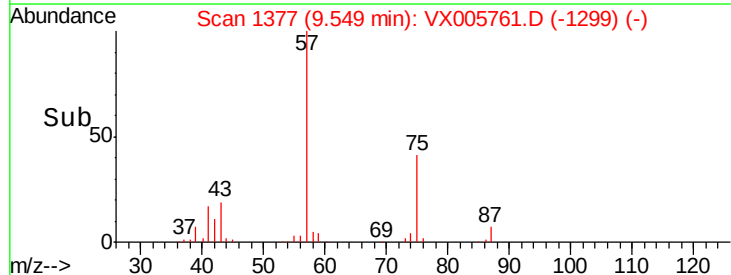
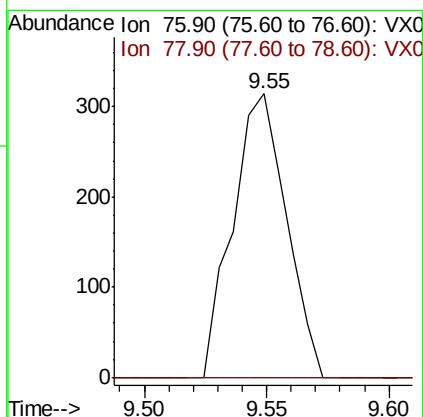
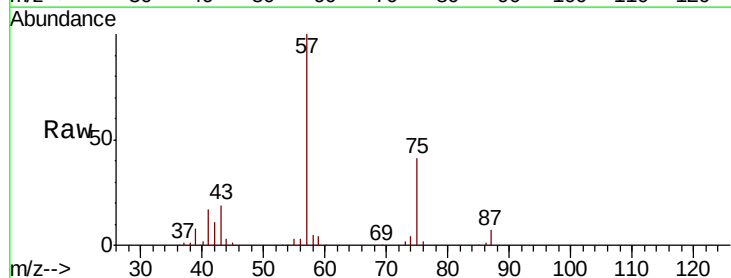
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#12

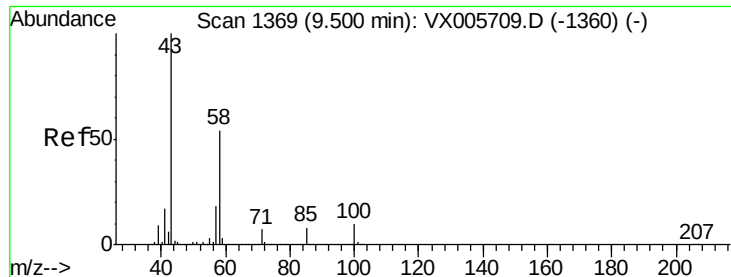
Tot Ion: 69 Resp: 46
Ion Ratio Lower Upper
69 100
41 0.0 57.0 85.6#
39 0.0 28.3 42.5#



#57
1,3-Dichloropropane
Concen: 0.205 ug/l
RT: 9.55 min Scan# 1377
Delta R.T. 0.18 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

Tgt Ion: 76 Resp: 481
Ion Ratio Lower Upper
76 100
78 0.0 25.3 37.9#

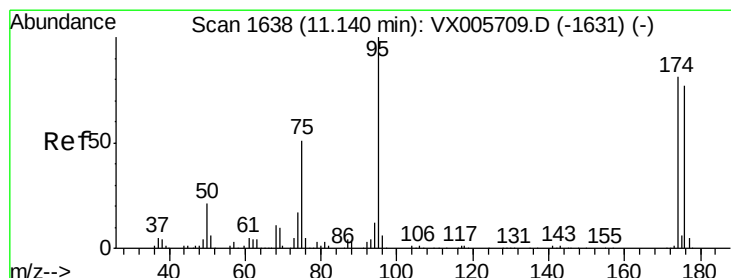
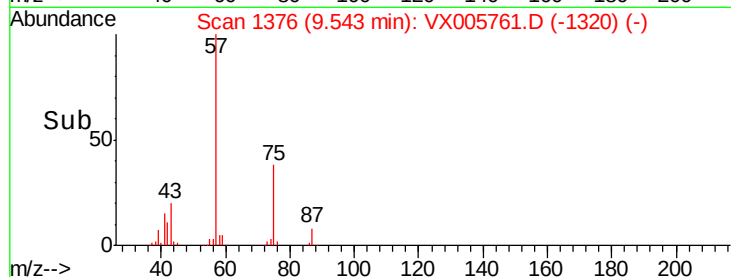
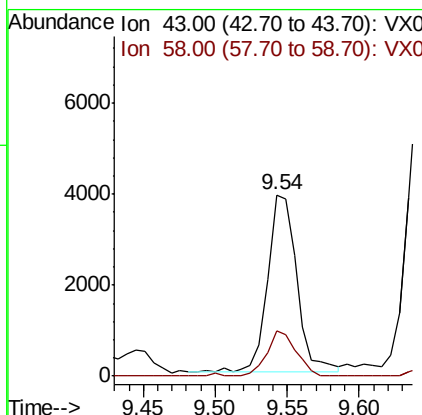
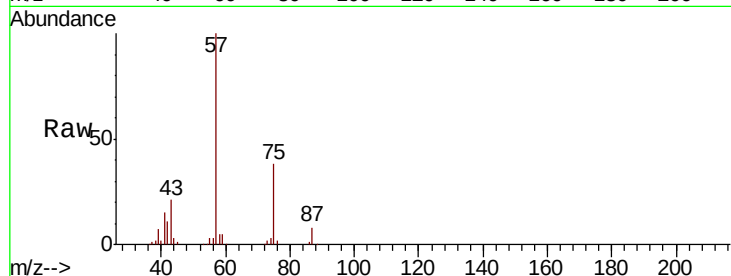




#59
2-Hexanone
Concen: 2.750 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

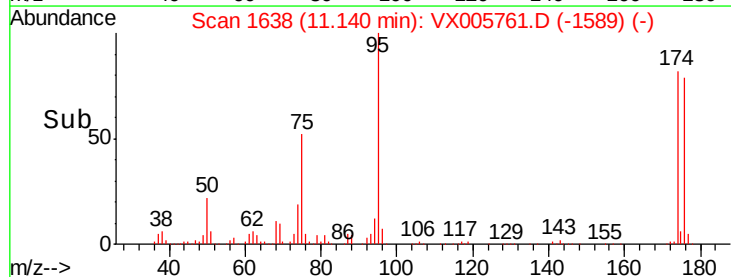
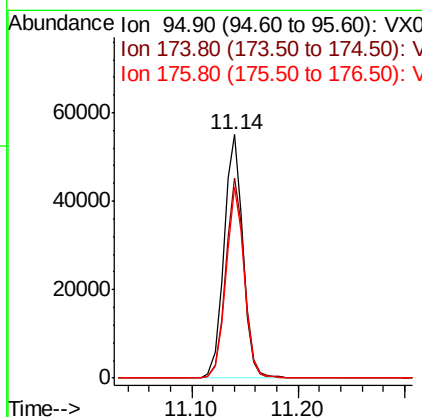
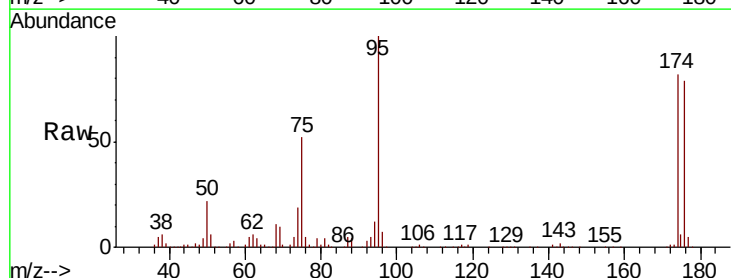
Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#12

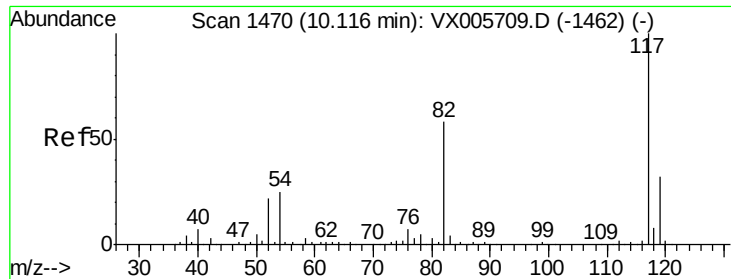
Tot Ion: 43 Resp: 5511
Ion Ratio Lower Upper
43 100
58 25.3 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 41.518 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

Tgt Ion: 95 Resp: 68115
Ion Ratio Lower Upper
95 100
174 81.7 0.0 184.4
176 76.5 0.0 177.4

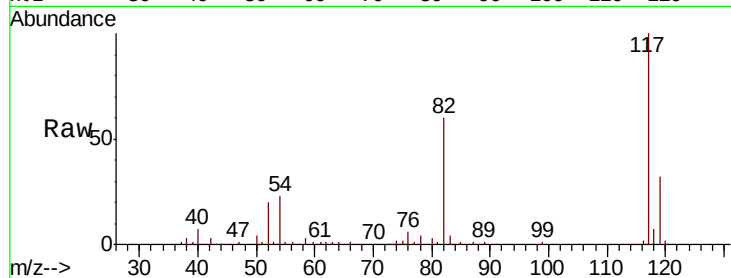




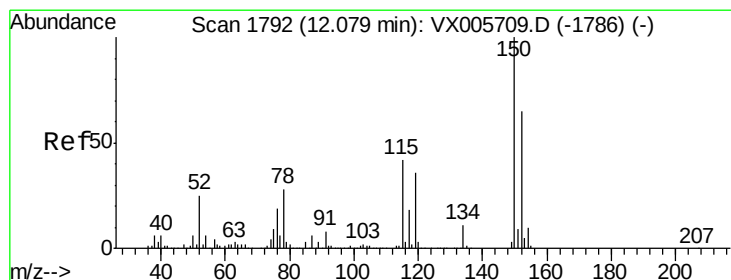
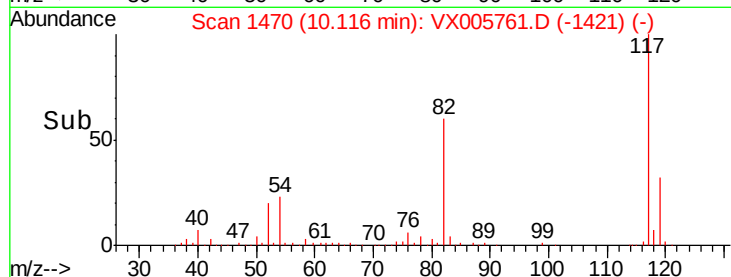
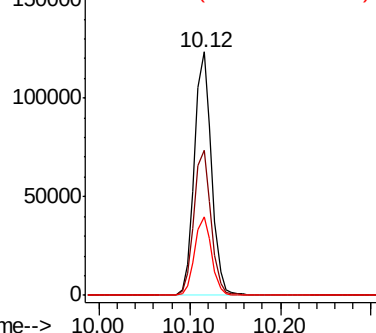
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

Instrument :
MSVOA_X
ClientSampleId :
PB114401ZHE#12

Tot Ion:117 Resp: 162081
Ion Ratio Lower Upper
117 100
82 59.6 44.1 66.1
119 32.2 26.2 39.2

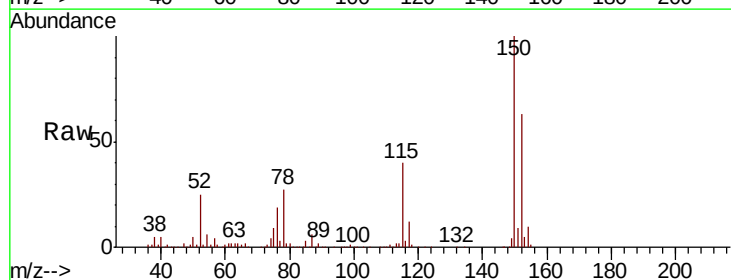


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

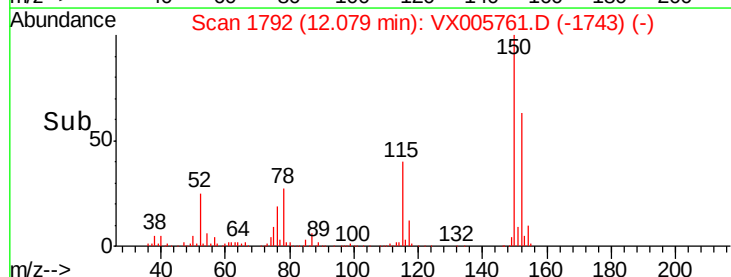
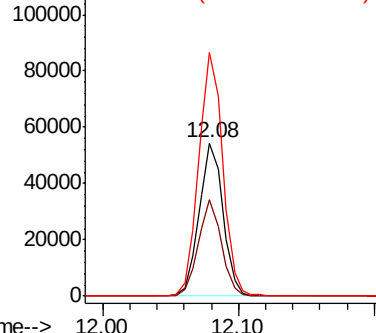


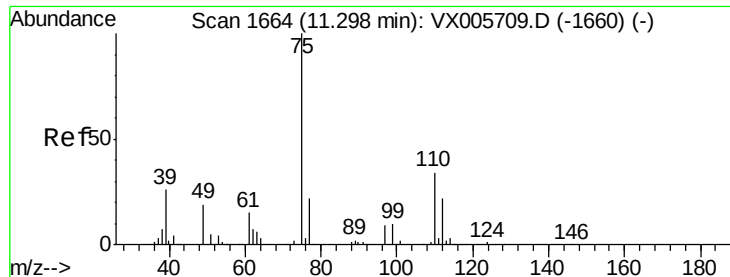
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005761.D
Acq: 02 Nov 2018 17:23

Tgt Ion:152 Resp: 66456
Ion Ratio Lower Upper
152 100
115 60.6 39.4 118.1
150 159.2 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: 22.206 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005761.D

Acq: 02 Nov 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

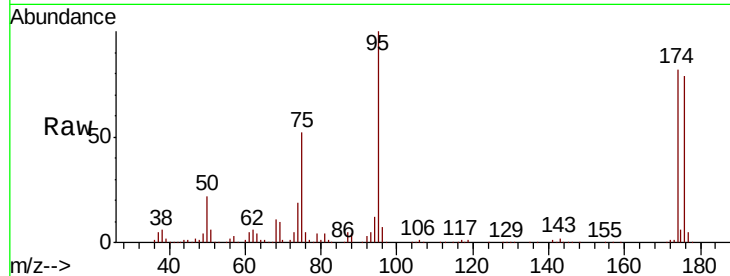
PB114401ZHE#12

Tot Ion: 75 Resp: 36754

Ion Ratio Lower Upper

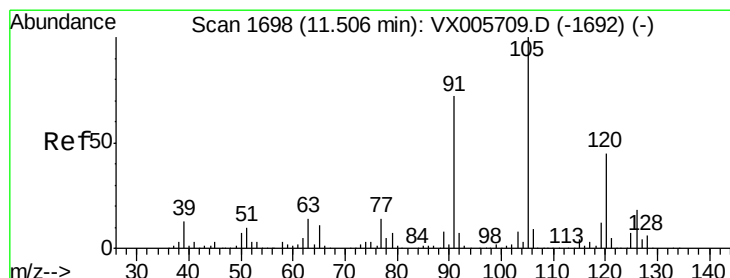
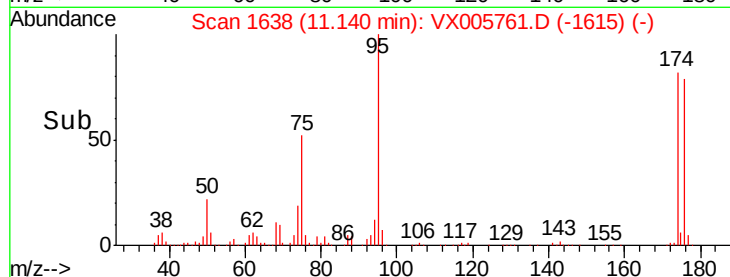
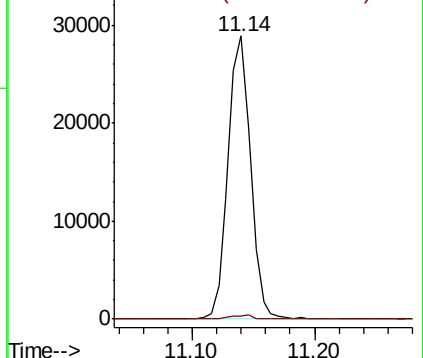
75 100

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: 0.234 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX005761.D

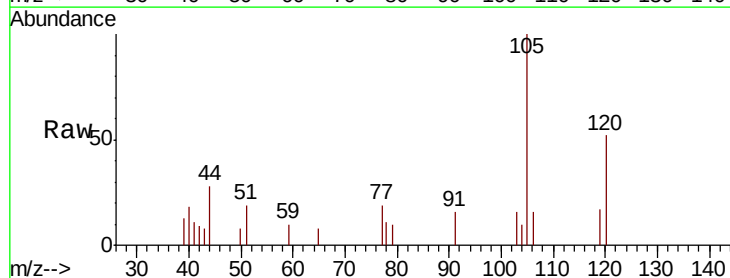
Acq: 02 Nov 2018 17:23

Tgt Ion: 105 Resp: 870

Ion Ratio Lower Upper

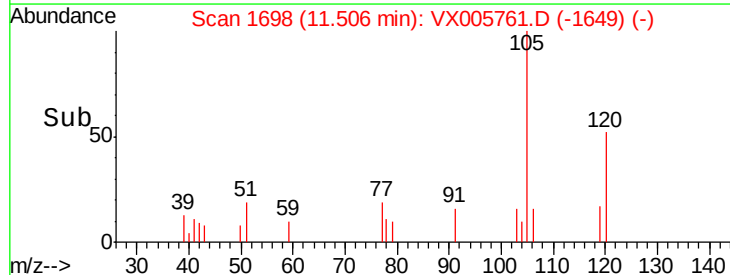
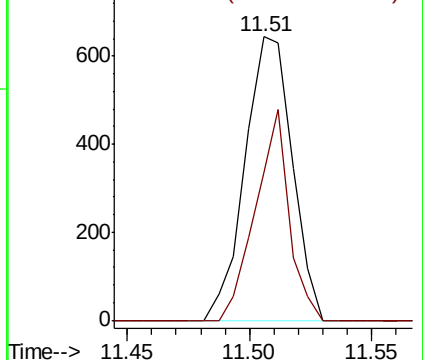
105 100

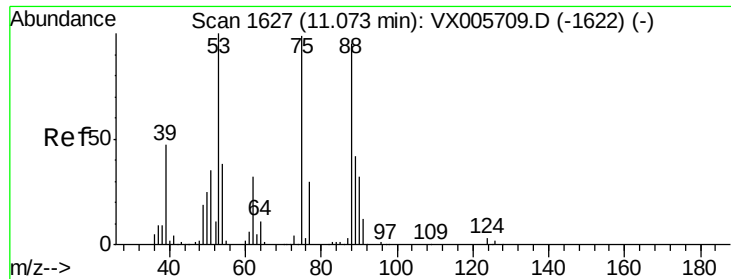
120 52.6 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 71.745 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005761.D

Acq: 02 Nov 2018 17:23

Instrument :

MSVOA_X

ClientSampleId :

PB114401ZHE#12

Tot Ion: 75 Resp: 36754

Ion Ratio Lower Upper

75 100

53 0.5 80.2 120.2#

89 0.0 39.8 59.8#

