

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111418\
 Data File : VX005978.D
 Acq On : 14 Nov 2018 17:02
 Operator : JC/MD
 Sample : PB114787ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB114787ZHE#01

Quant Time: Nov 15 00:24:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 07 14:40:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	121694	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.86	114	176388	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	165726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	82759	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	73882	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
35) Dibromofluoromethane	5.51	113	58836	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	8.71	98	221527	55.54	ug/l	0.00
Spiked Amount			Recovery	=	111.08%	
62) 4-Bromofluorobenzene	11.14	95	78325	54.62	ug/l	0.00
Spiked Amount			Recovery	=	109.24%	

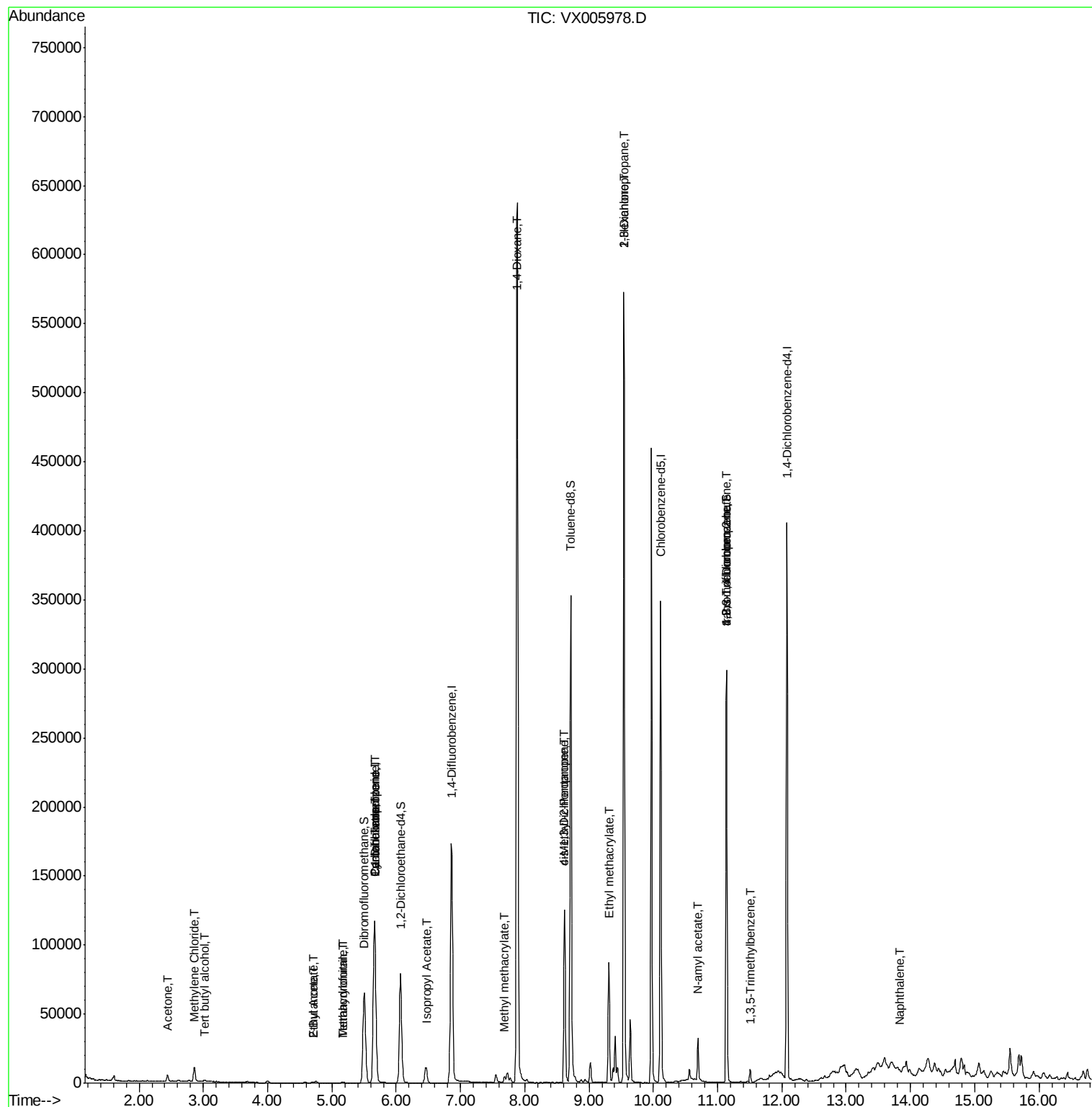
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	913	2.278	ug/l #	72
16) Acetone	2.44	43	5335	7.082	ug/l	96
18) Methyl Acetate	2.78	43	1487	Below Cal		91
20) Methylene Chloride	2.85	84	4633	3.744	ug/l	88
25) 2-Butanone	4.71	43	979	0.827	ug/l #	84
29) Tetrahydrofuran	5.17	42	448	0.589	ug/l #	82
31) Cyclohexane	5.66	56	2283	1.171	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	8352	4.912	ug/l #	50
37) Ethyl Acetate	4.71	43	979	0.438	ug/l #	69
38) Carbon Tetrachloride	5.67	117	11354	6.670	ug/l #	14
41) Methacrylonitrile	5.17	41	376	0.311	ug/l #	44
43) Isopropyl Acetate	6.47	43	16739	5.166	ug/l	98
48) Methyl methacrylate	7.68	41	5145	3.536	ug/l #	16
49) 1,4-Dioxane	7.88	88	52	1.659	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	43354	21.231	ug/l #	50
54) cis-1,3-Dichloropropene	8.62	75	19725	11.493	ug/l #	61
56) Ethyl methacrylate	9.30	69	411	0.222	ug/l #	1
57) 1,3-Dichloropropane	9.54	76	4690	2.260	ug/l #	43
59) 2-Hexanone	9.54	43	69135	38.409	ug/l #	53
74) N-amyl acetate	10.69	43	7440	3.952	ug/l #	55
76) 1,2,3-Trichloropropane	11.13	75	38741	22.990	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.51	105	4184	1.029	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.13	75	38741	73.272	ug/l #	9
95) Naphthalene	13.83	128	973	1.337	ug/l #	17

(#) = 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# 741

Delta R.T. 0.01 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

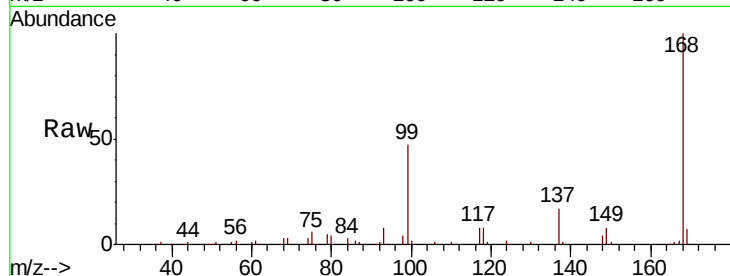
PB114787ZHE#01

Tot Ion:168 Resp: 121694

Ion Ratio Lower Upper

168 100

99 46.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

40000

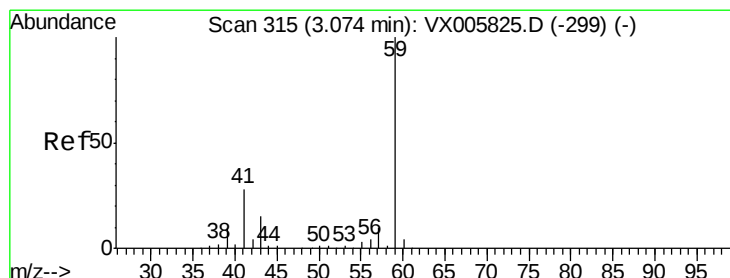
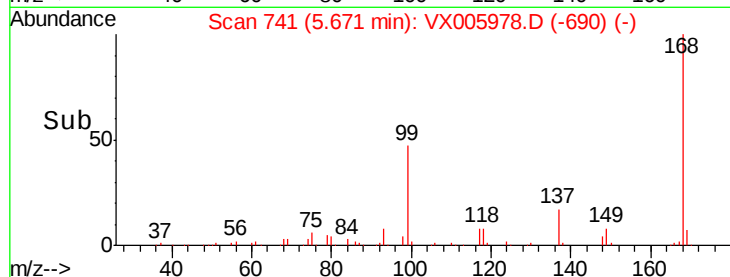
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 2.278 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005978.D

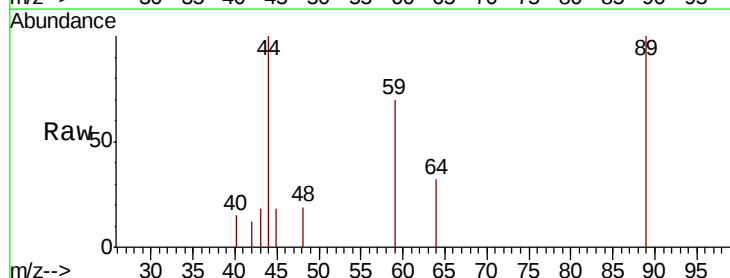
Acq: 14 Nov 2018 17:02

Tgt Ion: 59 Resp: 913

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

400

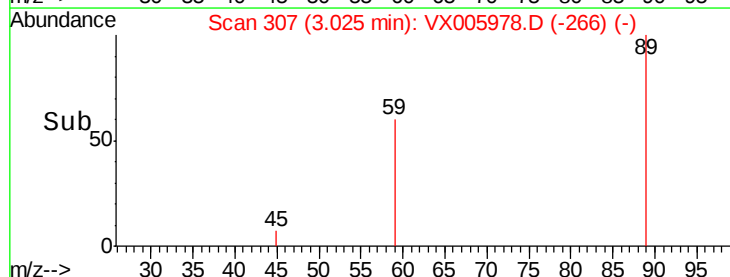
300

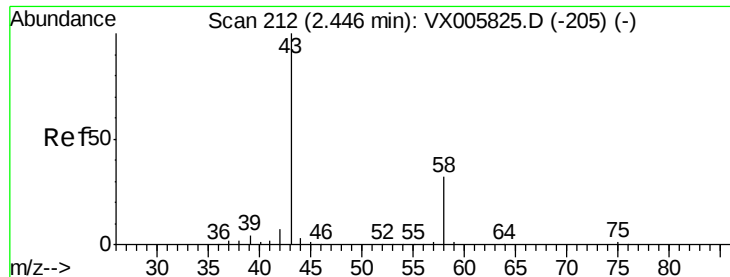
200

100

0

Time--> 2.95 3.00 3.05 3.10





#16

Acetone

Concen: 7.082 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

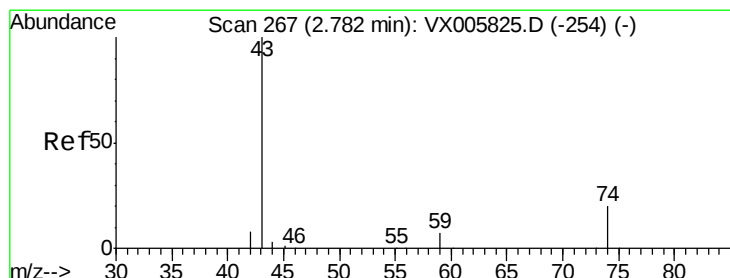
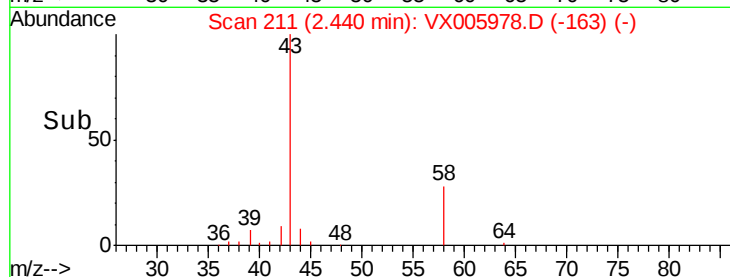
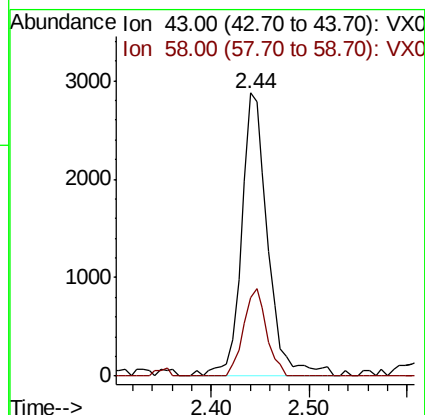
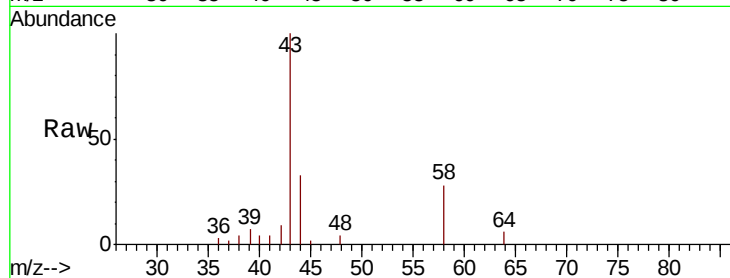
PB114787ZHE#01

Tot Ion: 43 Resp: 5335

Ion Ratio Lower Upper

43 100

58 27.8 23.8 35.6



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX005978.D

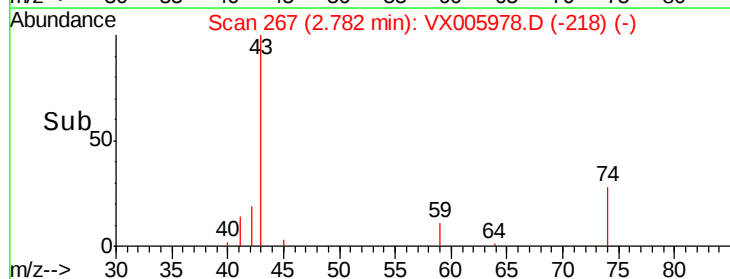
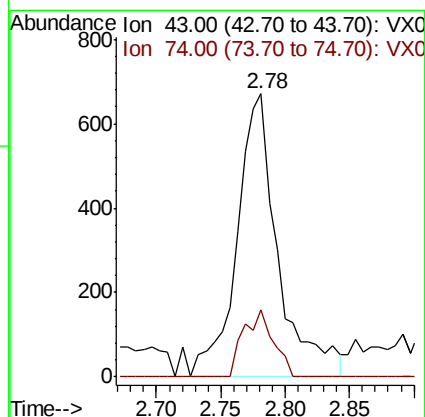
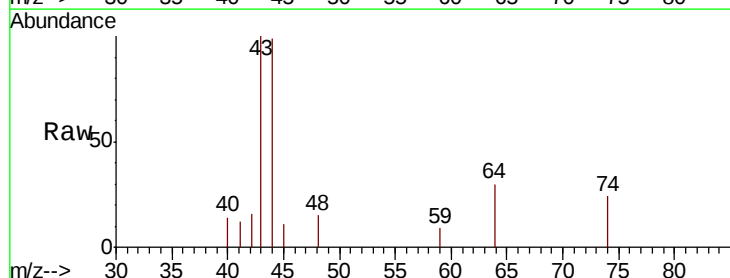
Acq: 14 Nov 2018 17:02

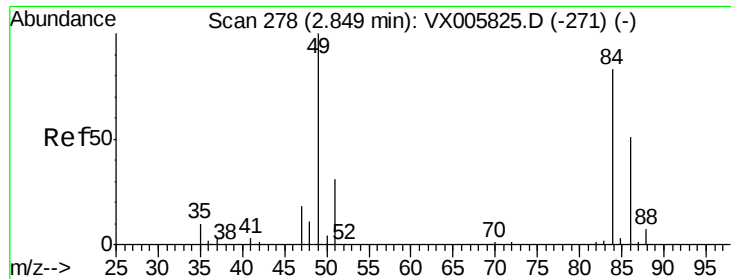
Tgt Ion: 43 Resp: 1487

Ion Ratio Lower Upper

43 100

74 17.0 16.8 25.2

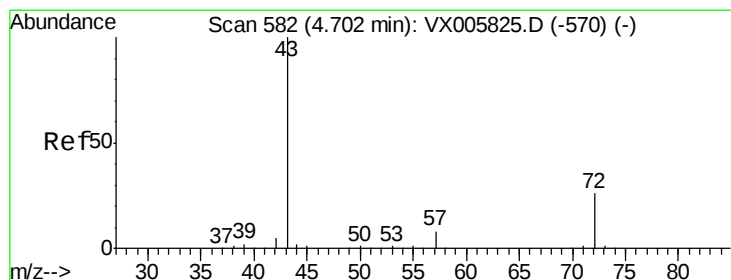
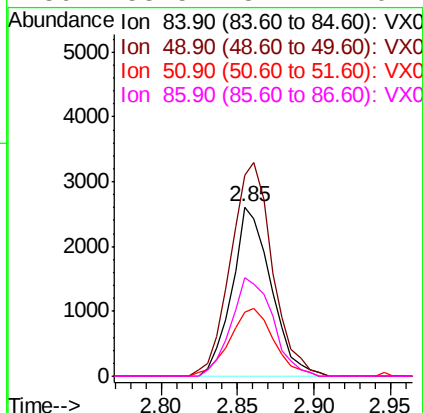
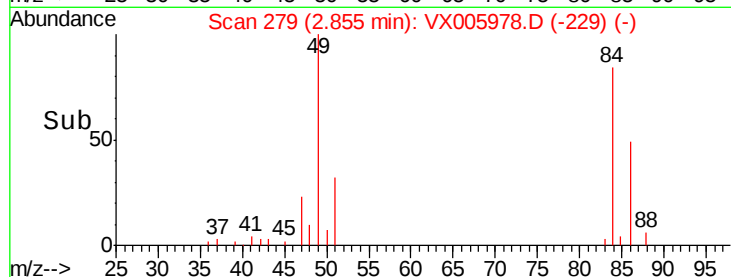
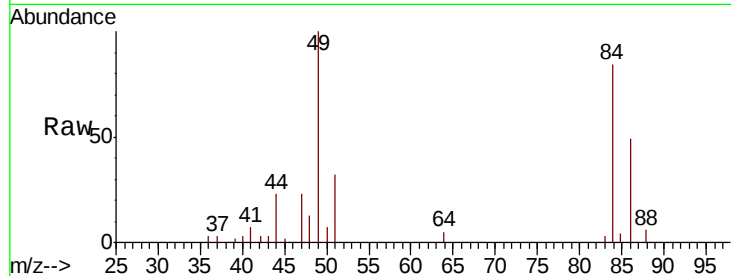




#20
Methvlene Chloride
Concen: 3.744 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.01 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

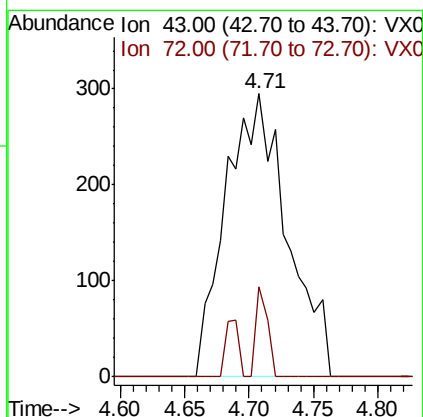
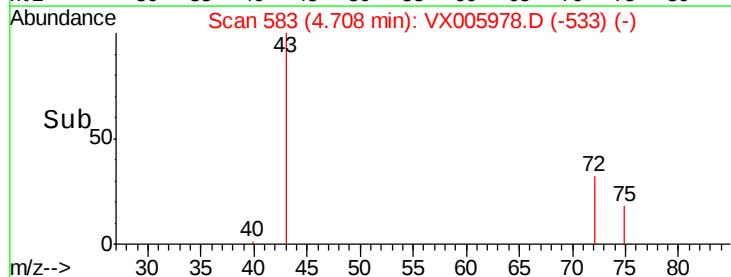
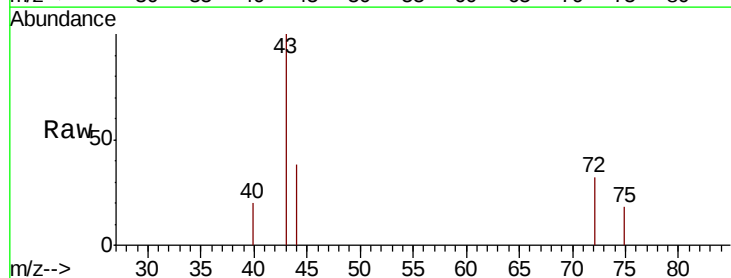
Instrument :
MSVOA_X
ClientSampleId :
PB114787ZHE#01

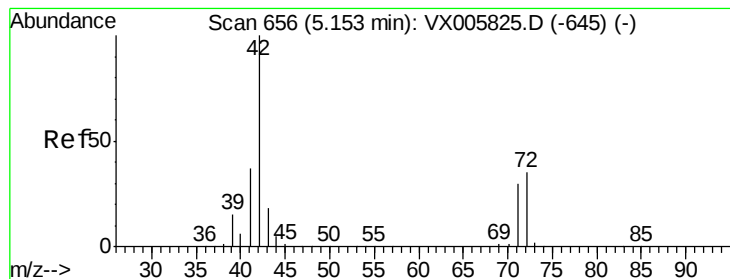
Tot Ion: 84 Resp: 4633
Ion Ratio Lower Upper
84 100
49 118.7 109.5 164.3
51 37.4 33.3 49.9
86 58.5 52.7 79.1



#25
2-Butanone
Concen: 0.827 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Tgt Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
72 31.9 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.589 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB114787ZHE#01

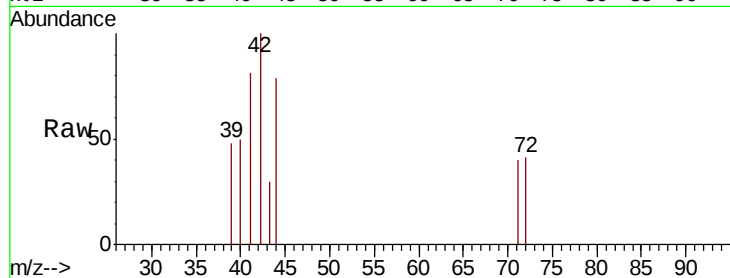
Tot Ion: 42 Resp: 448

Ion Ratio Lower Upper

42 100

72 32.6 32.0 48.0

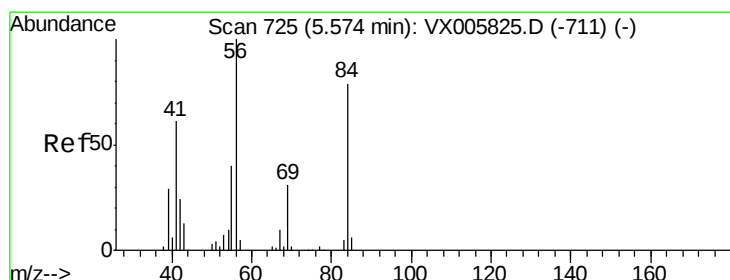
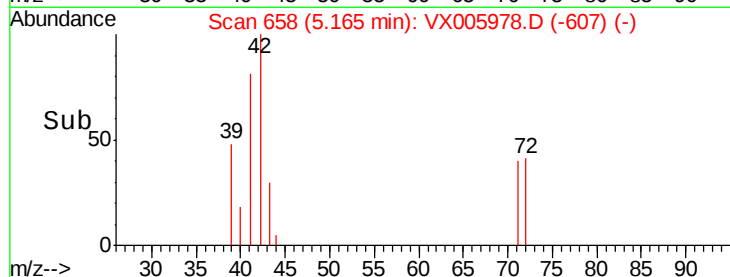
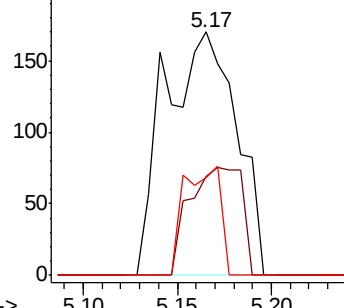
71 22.5 29.8 44.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

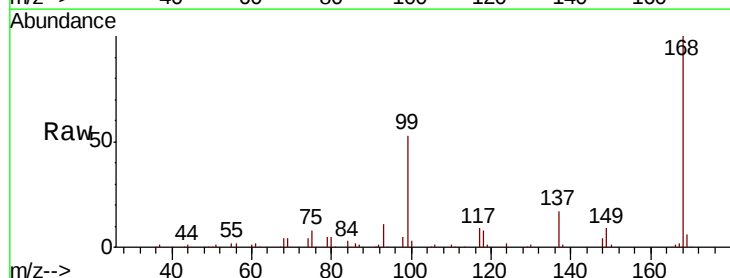
Tgt Ion: 56 Resp: 2283

Ion Ratio Lower Upper

56 100

69 198.6 22.6 34.0#

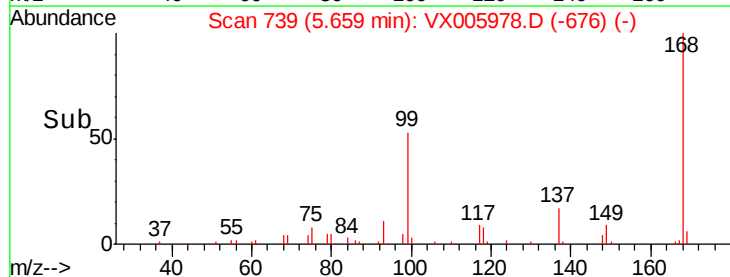
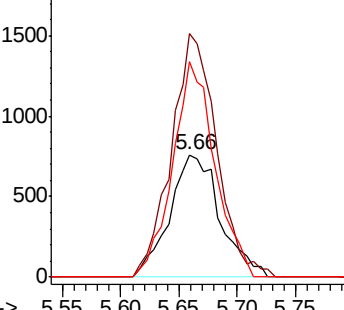
84 175.2 62.7 94.1#

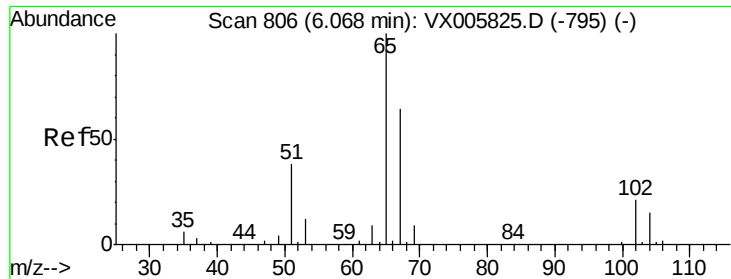


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

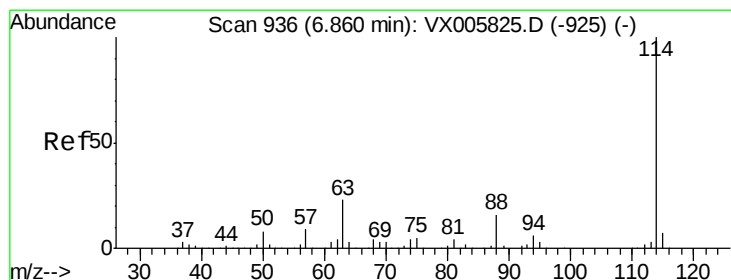
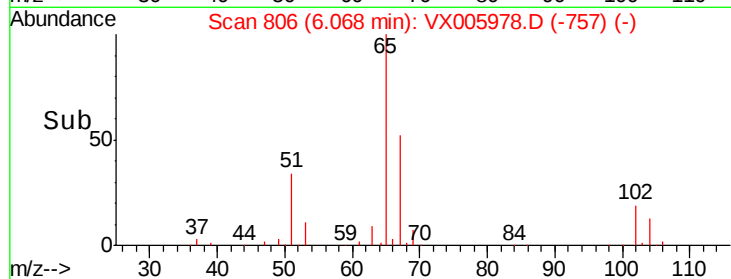
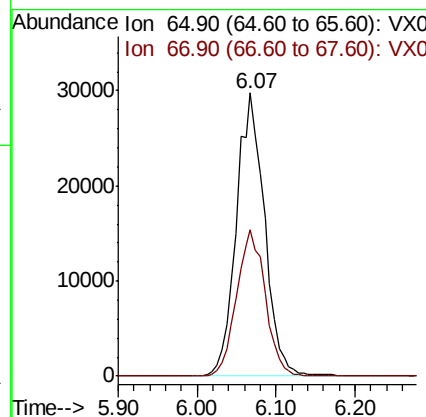
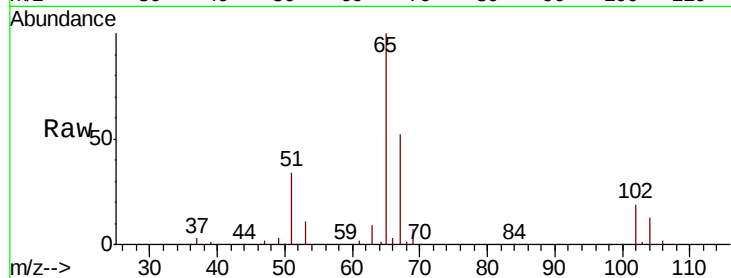




#33
 1,2-Dichloroethane-d4
 Concen: 52.809 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005978.D
 Acq: 14 Nov 2018 17:02

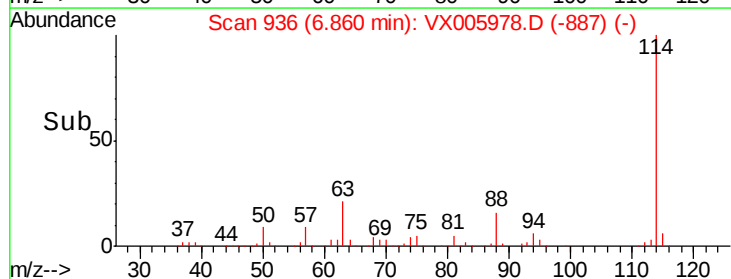
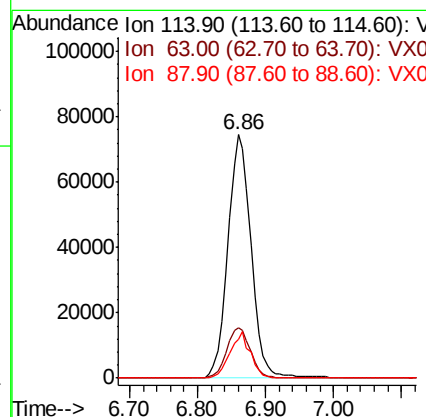
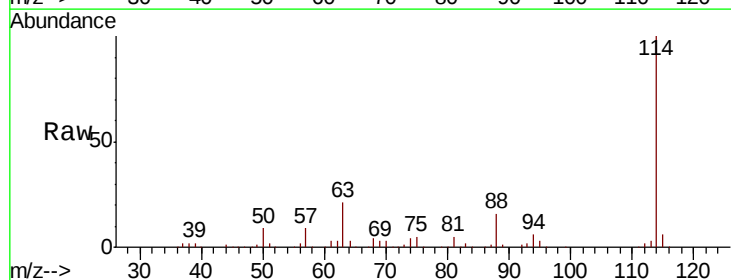
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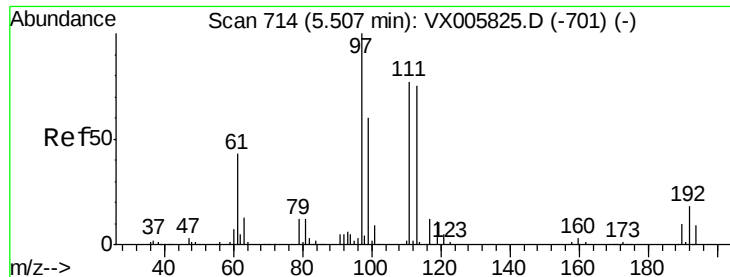
Tot Ion: 65 Resp: 73882
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005978.D
 Acq: 14 Nov 2018 17:02

Tgt Ion: 114 Resp: 176388
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 15.8 0.0 31.2

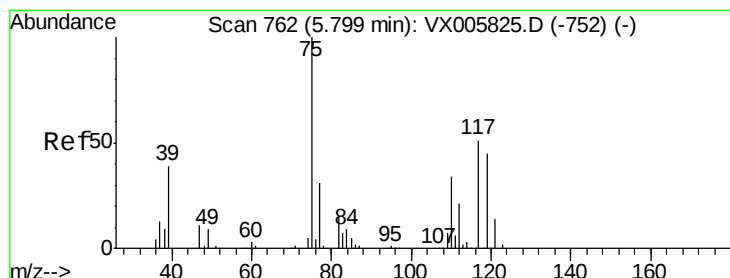
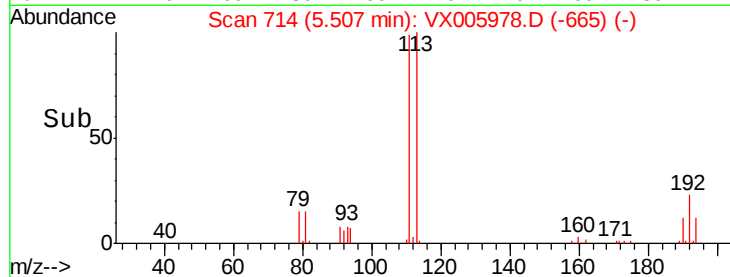
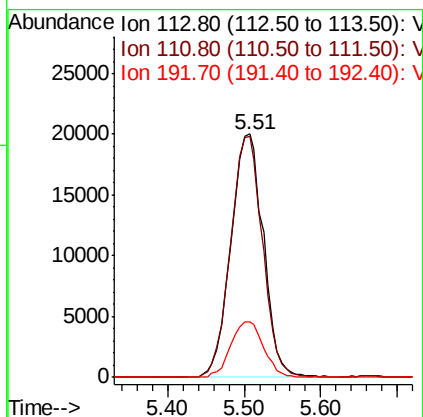
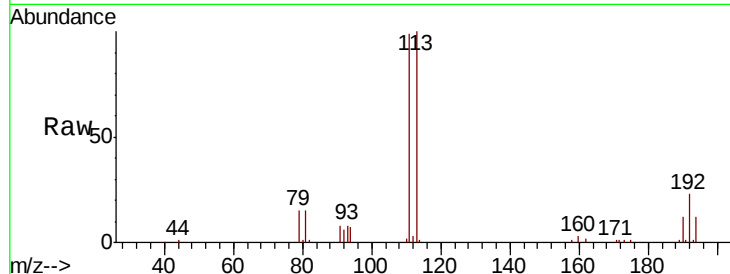




#35
 Dibromofluoromethane
 Concen: 49.042 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VX005978.D
 Acq: 14 Nov 2018 17:02

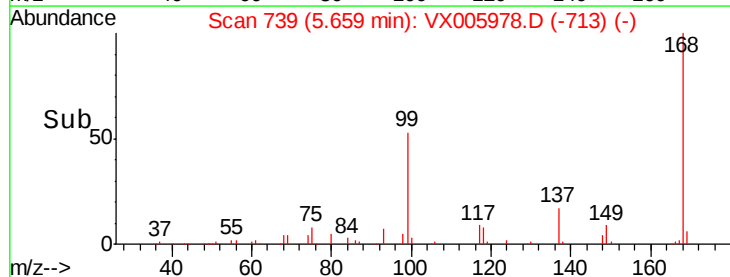
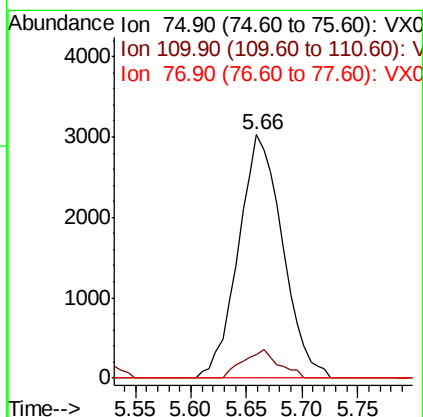
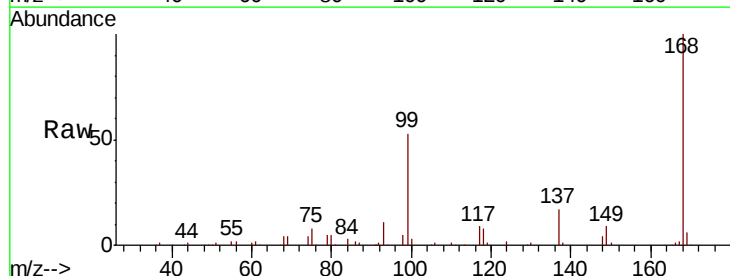
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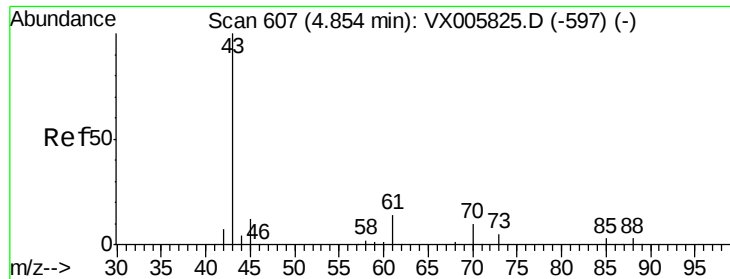
Tot Ion:113 Resp: 58836
 Ion Ratio Lower Upper
 113 100
 111 98.0 82.3 123.5
 192 23.1 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.912 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005978.D
 Acq: 14 Nov 2018 17:02

Tgt Ion: 75 Resp: 8352
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.4 52.2#
 77 0.0 25.8 38.6#

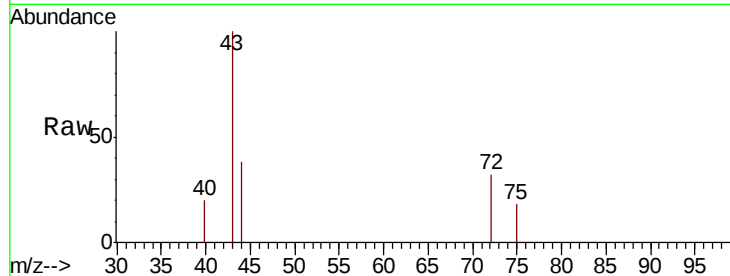




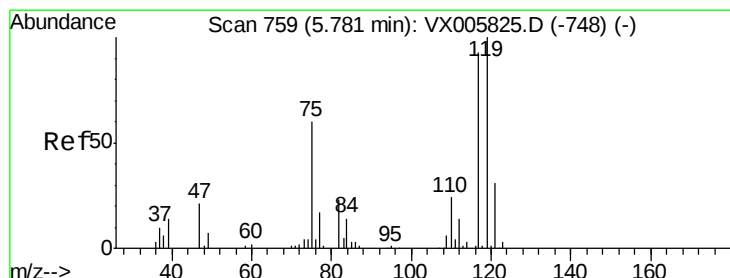
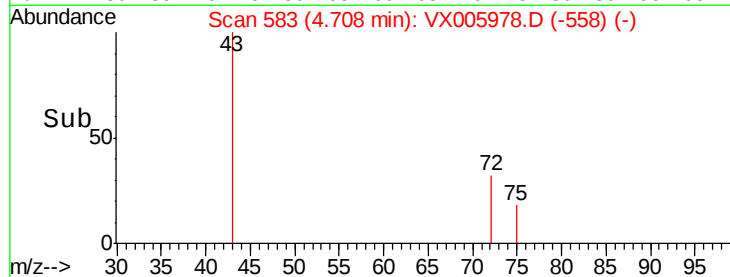
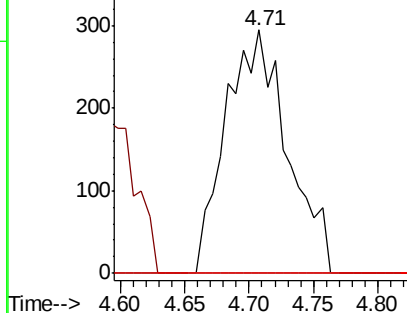
#37
Ethyl Acetate
Concen: 0.438 ug/l
RT: 4.71 min Scan# 583
Delta R.T. -0.15 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
PB114787ZHE#01

Tot Ion: 43 Resp: 979
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.8#

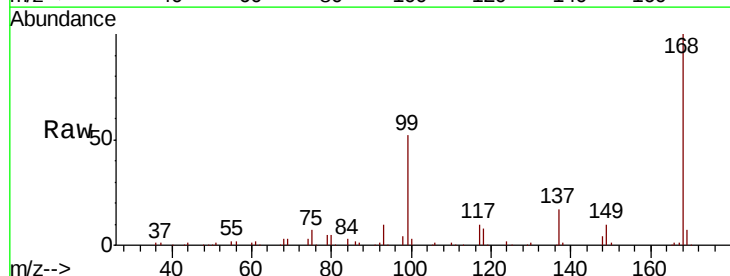


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

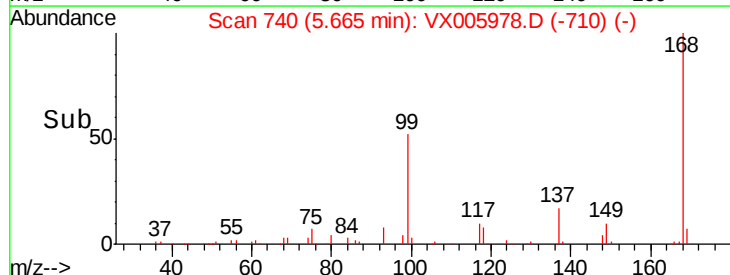
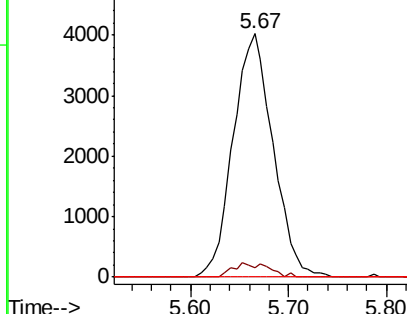


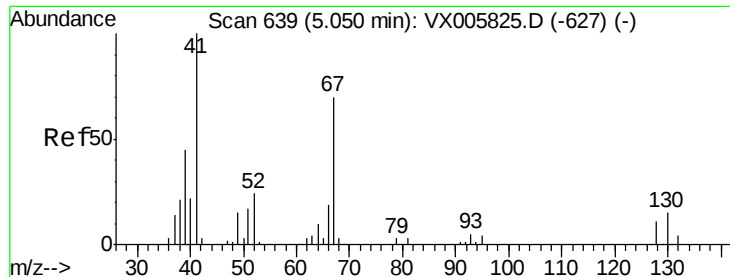
#38
Carbon Tetrachloride
Concen: 6.670 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Tgt Ion: 117 Resp: 11354
Ion Ratio Lower Upper
117 100
119 3.9 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

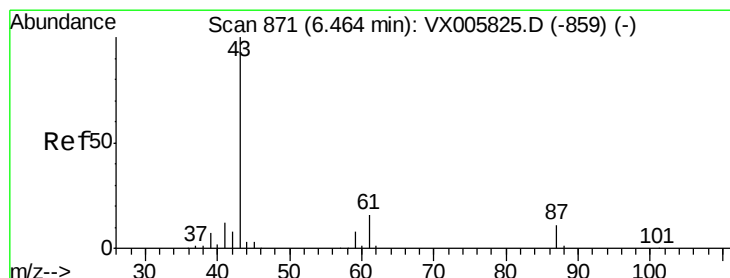
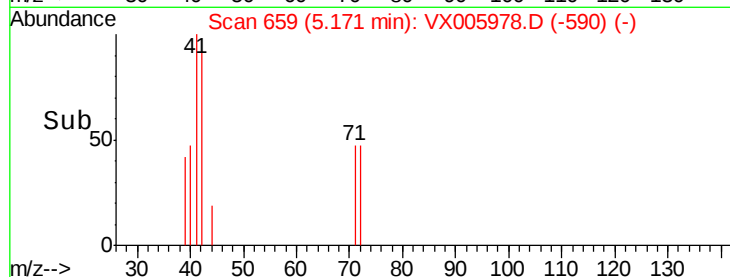
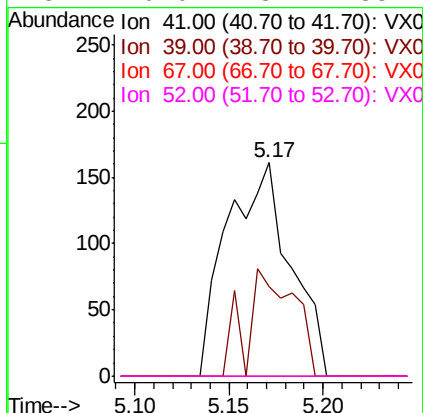
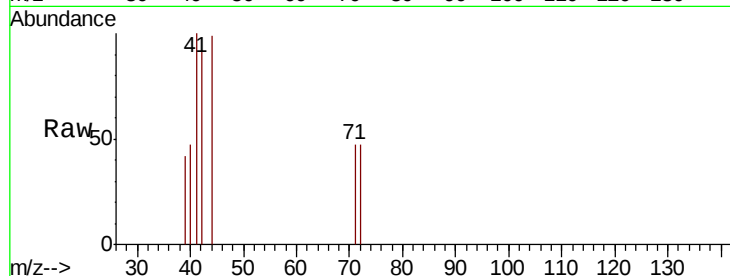




#41
Methacrylonitrile
Concen: 0.311 ug/l
RT: 5.17 min Scan# 659
Delta R.T. 0.12 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

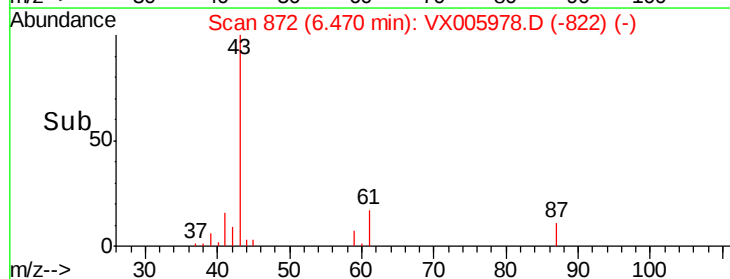
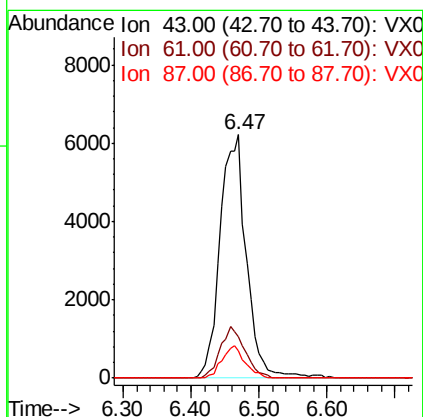
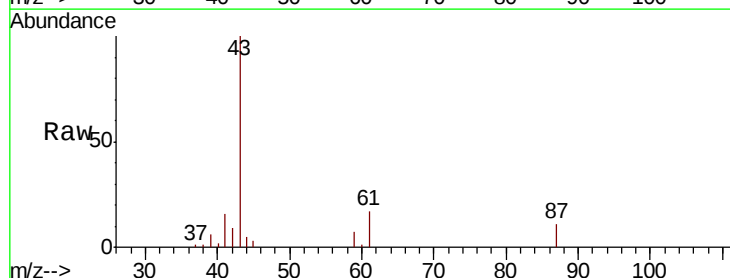
Instrument :
MSVOA_X
ClientSampleId :
PB114787ZHE#01

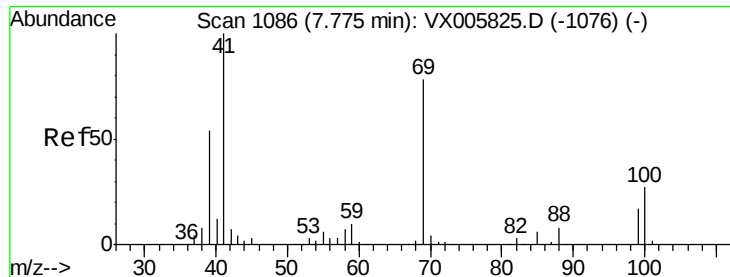
Tot Ion: 41 Resp: 376
Ion Ratio Lower Upper
41 100
39 38.0 42.2 63.2#
67 0.0 53.4 80.0#
52 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 5.166 ug/l
RT: 6.47 min Scan# 872
Delta R.T. 0.01 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Tgt Ion: 43 Resp: 16739
Ion Ratio Lower Upper
43 100
61 19.4 14.6 22.0
87 11.5 9.6 14.4

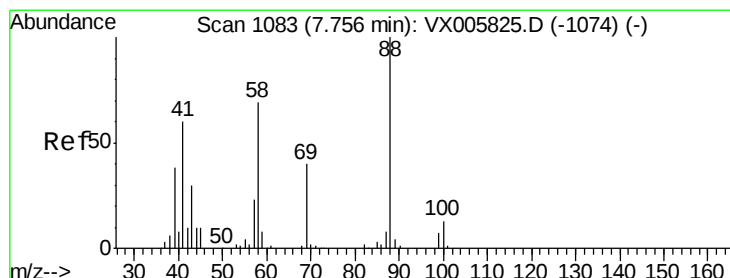
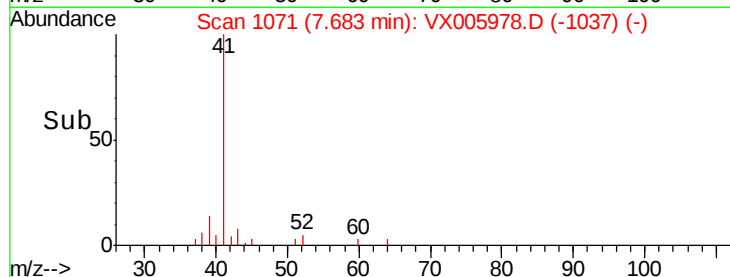
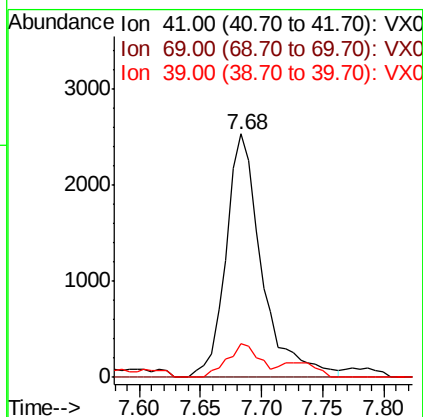
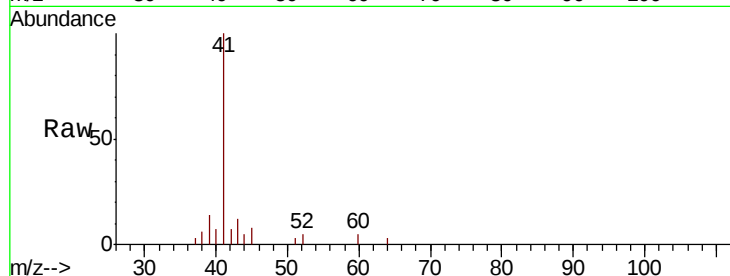




#48
Methyl methacrylate
Concen: 3.536 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

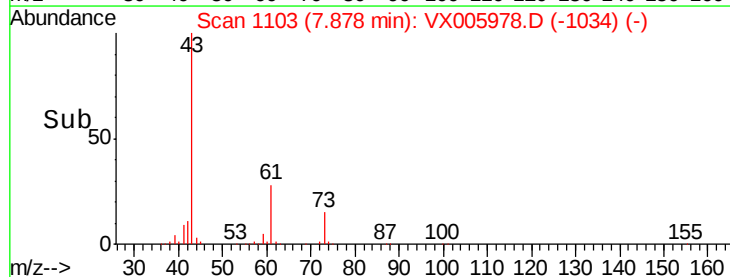
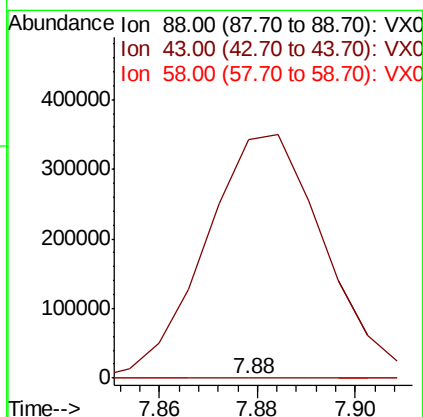
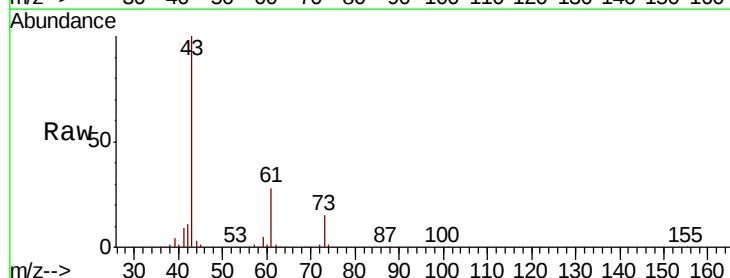
Instrument :
MSVOA_X
ClientSampleId :
PB114787ZHE#01

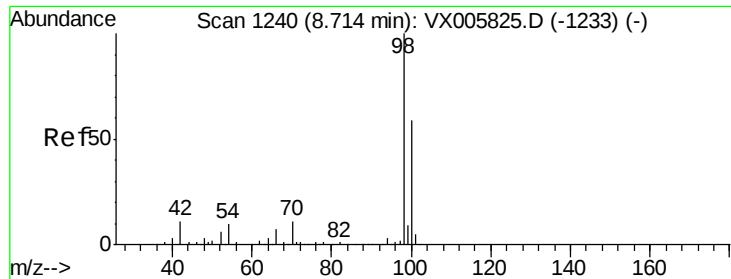
Tot Ion: 41 Resp: 5145
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 0.0 42.2 63.2#



#49
1,4-Dioxane
Concen: 1.659 ug/l
RT: 7.88 min Scan# 1103
Delta R.T. 0.12 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 1165273.1 27.4 41.0#
58 5125.0 59.4 89.2#

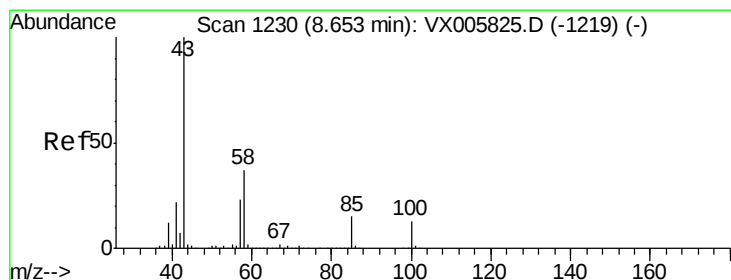
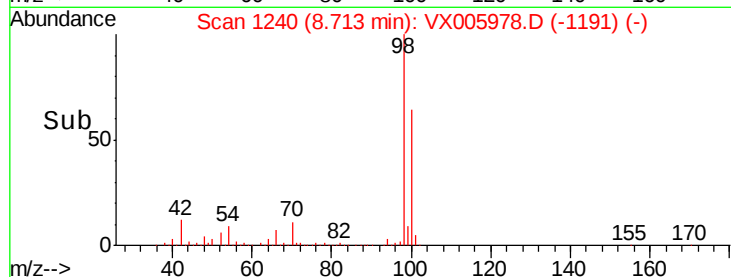
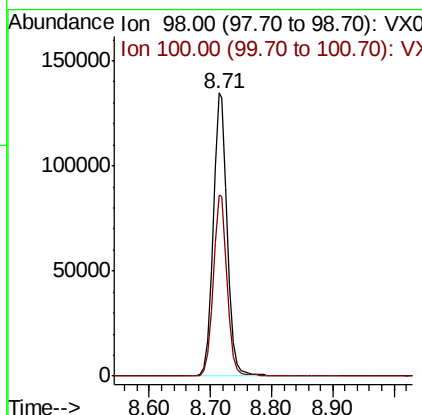
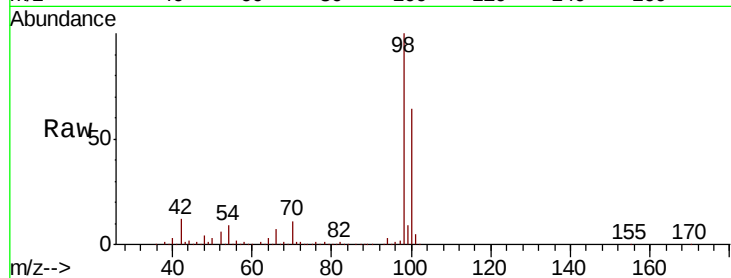




#50
Toluene-d8
Concen: 55.541 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

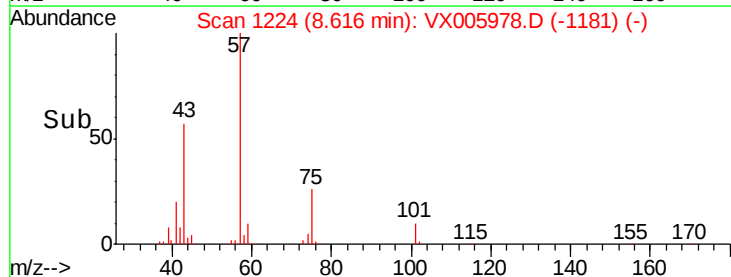
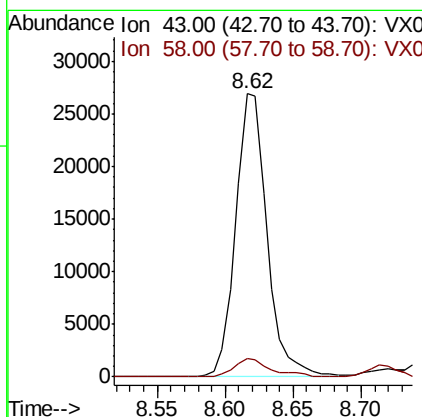
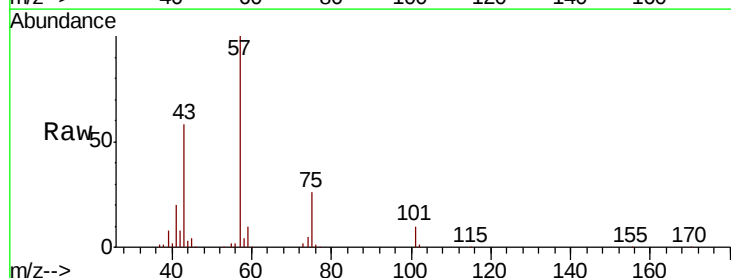
Instrument :
MSVOA_X
ClientSampleId :
PB114787ZHE#01

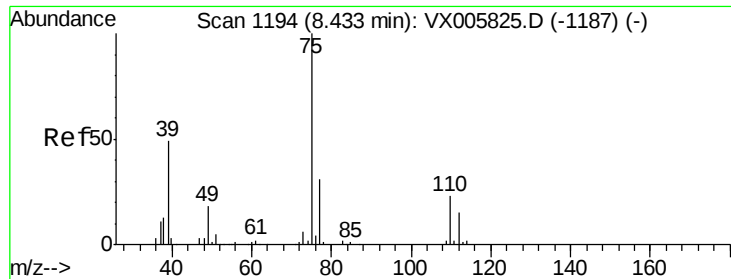
Tot Ion: 98 Resp: 221527
Ion Ratio Lower Upper
98 100
100 63.4 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 21.231 ug/l
RT: 8.62 min Scan# 1224
Delta R.T. -0.04 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Tgt Ion: 43 Resp: 43354
Ion Ratio Lower Upper
43 100
58 7.5 29.7 44.5#





#54

cis-1,3-Dichloropropene

Concen: 11.493 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB114787ZHE#01

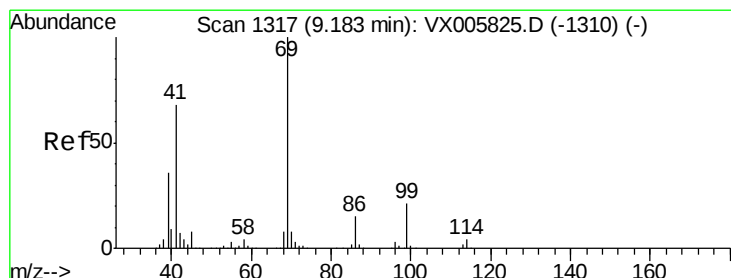
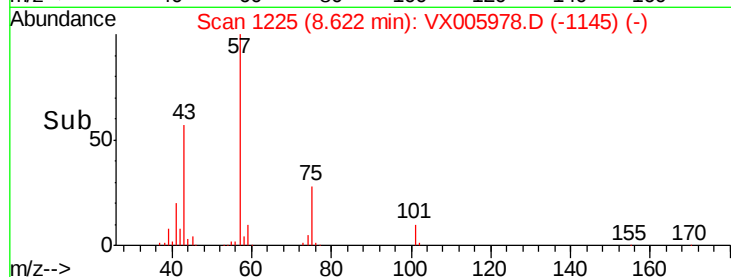
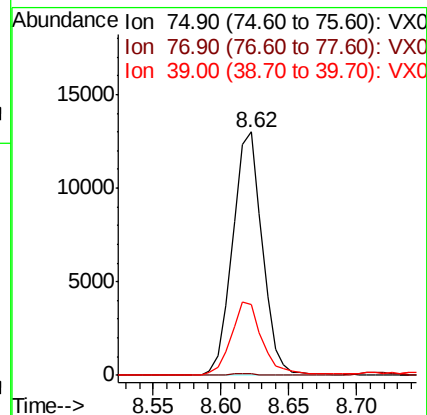
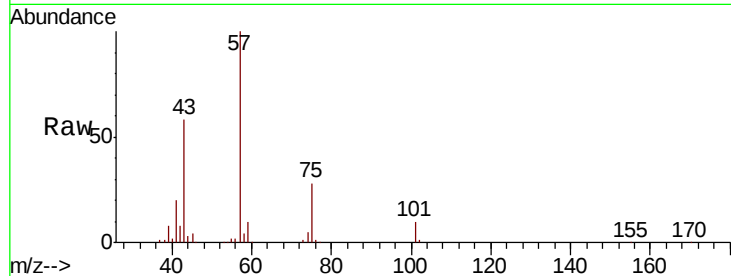
Tot Ion: 75 Resp: 19725

Ion Ratio Lower Upper

75 100

77 0.5 25.2 37.8#

39 29.2 38.2 57.2#



#56

Ethyl methacrylate

Concen: 0.222 ug/l

RT: 9.30 min Scan# 1337

Delta R.T. 0.12 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

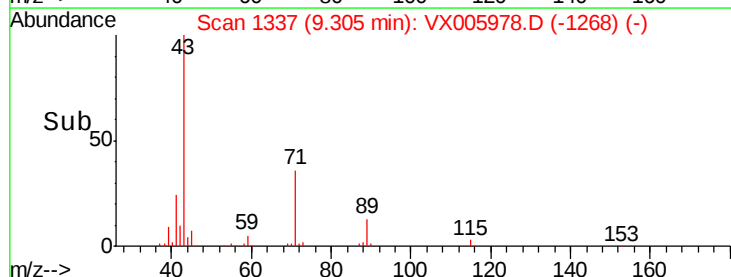
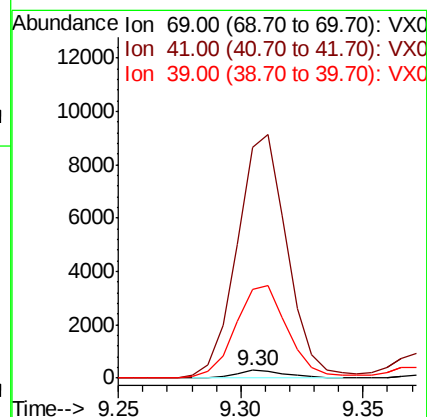
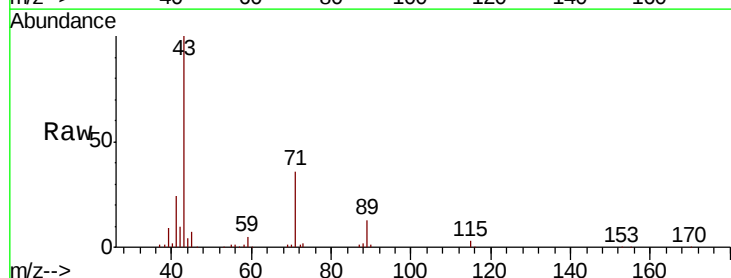
Tgt Ion: 69 Resp: 411

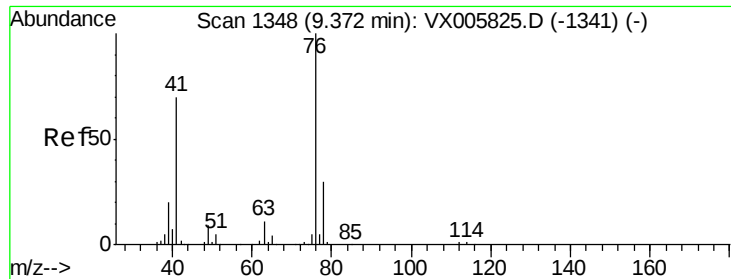
Ion Ratio Lower Upper

69 100

41 3169.8 57.0 85.6#

39 1250.9 28.3 42.5#





#57

1,3-Dichloropropane

Concen: 2.260 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

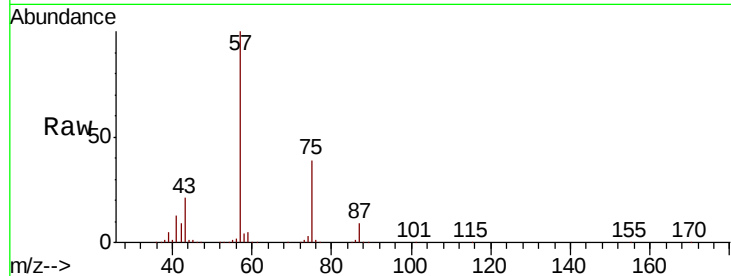
PB114787ZHE#01

Tot Ion: 76 Resp: 4690

Ion Ratio Lower Upper

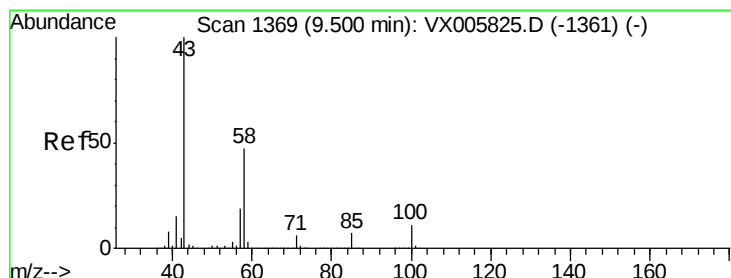
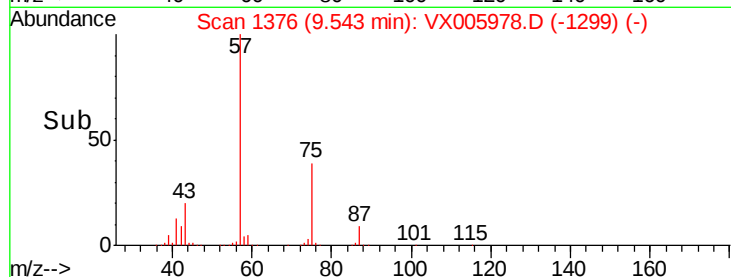
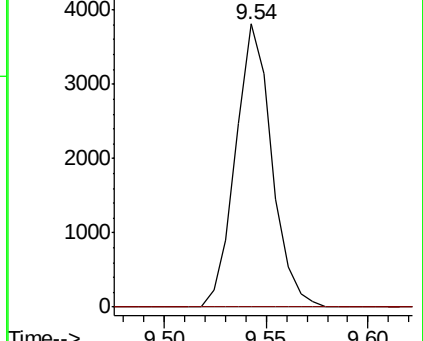
76 100

78 0.0 25.3 37.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 38.409 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.04 min

Lab File: VX005978.D

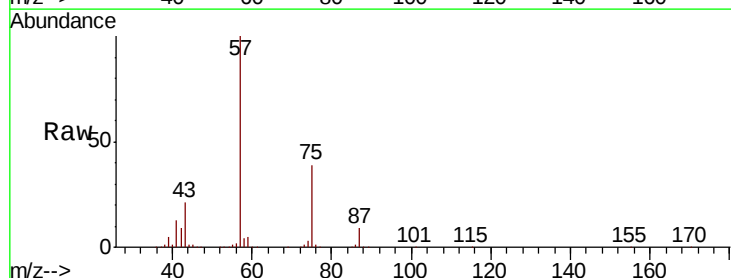
Acq: 14 Nov 2018 17:02

Tgt Ion: 43 Resp: 69135

Ion Ratio Lower Upper

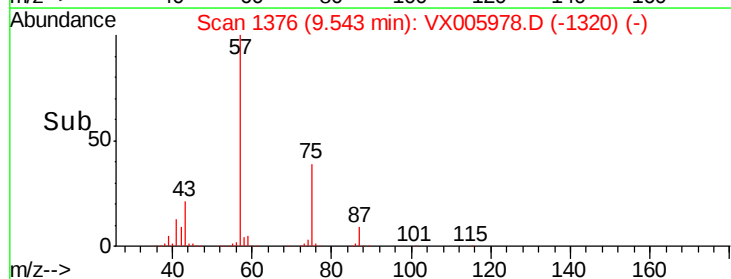
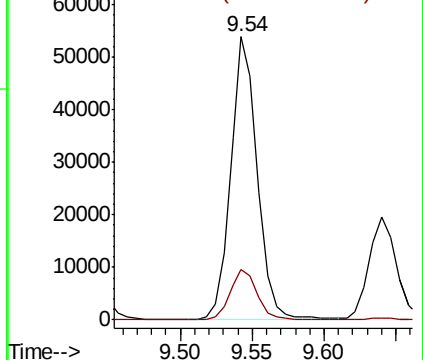
43 100

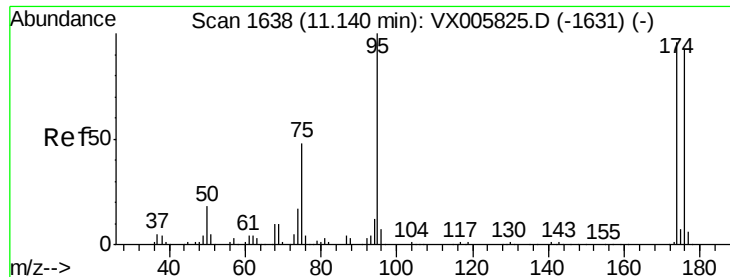
58 18.6 25.9 77.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

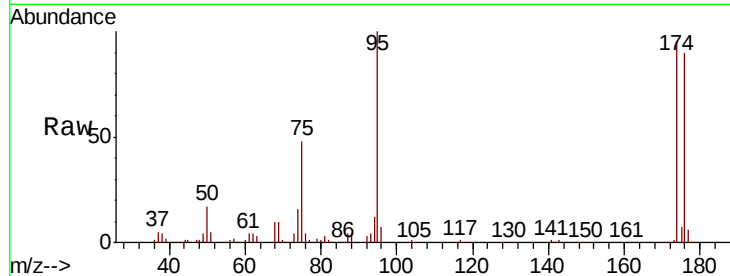




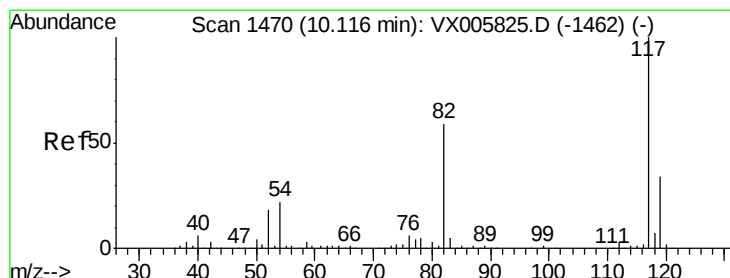
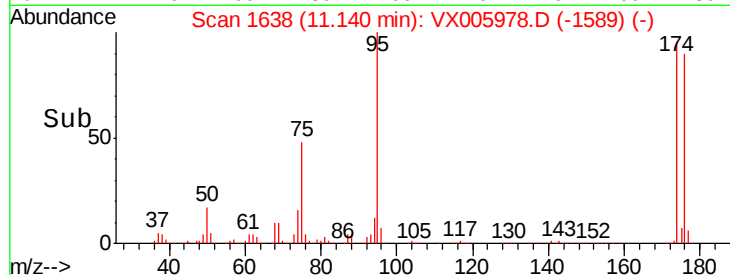
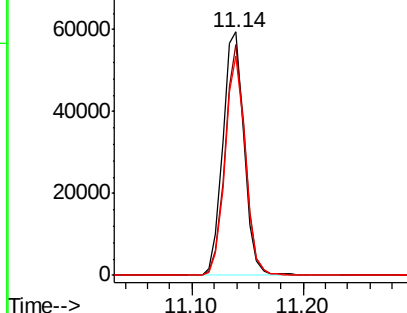
#62
4-Bromofluorobenzene
Concen: 54.619 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
PB114787ZHE#01

Tot Ion: 95 Resp: 78325
Ion Ratio Lower Upper
95 100
174 89.9 0.0 184.4
176 86.3 0.0 177.4

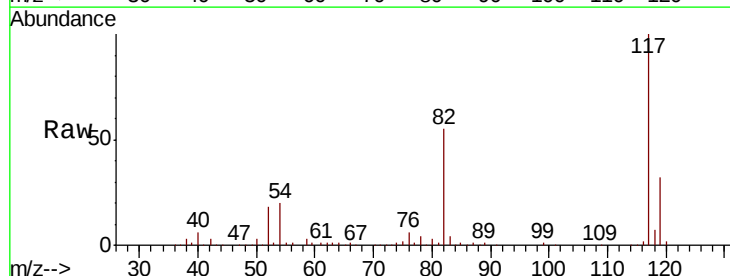


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

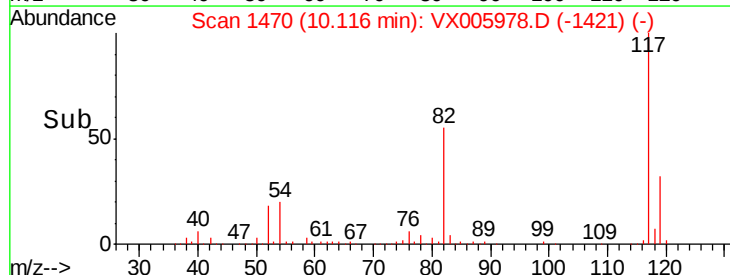
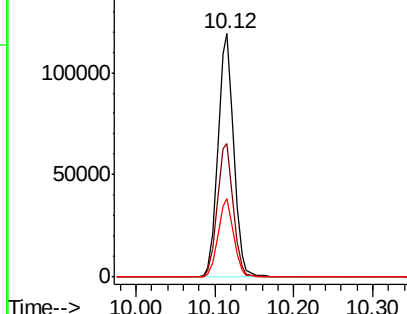


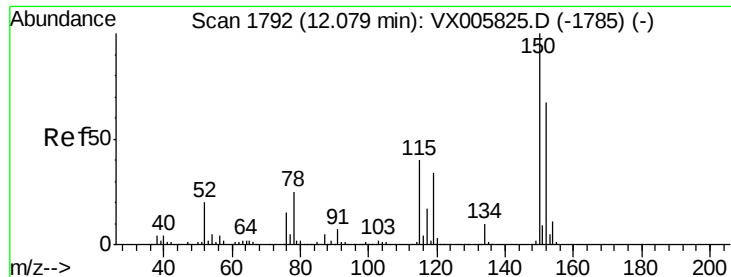
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Tgt Ion: 117 Resp: 165726
Ion Ratio Lower Upper
117 100
82 55.0 44.1 66.1
119 32.3 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



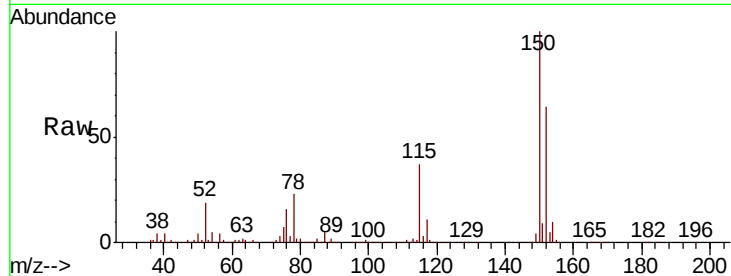


#72

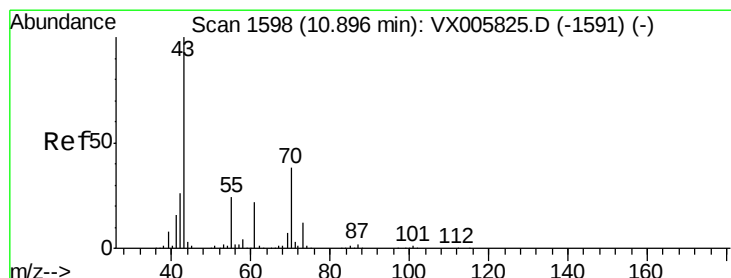
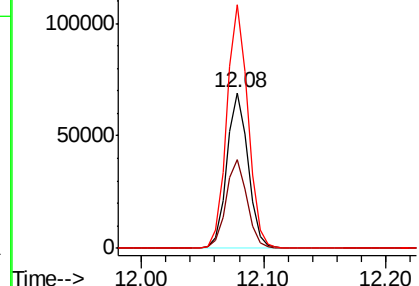
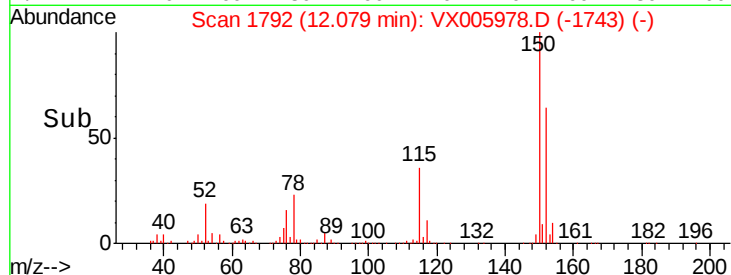
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Instrument :
MSVOA_X
ClientSampleId :
PB114787ZHE#01

Tot Ion:152 Resp: 82759
Ion Ratio Lower Upper
152 100
115 56.7 39.4 118.1
150 157.2 0.0 346.4



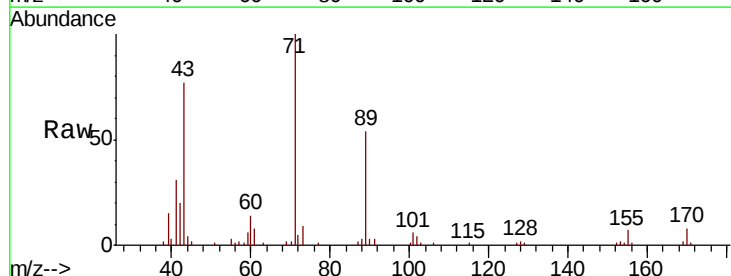
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



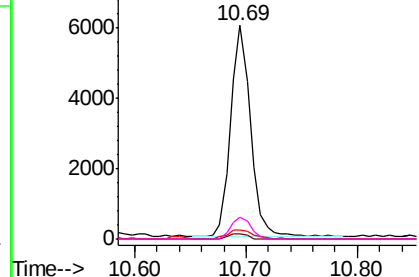
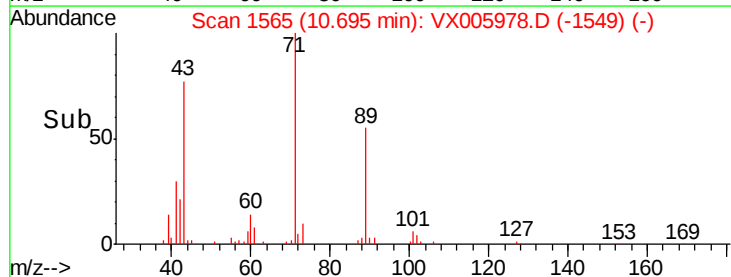
#74

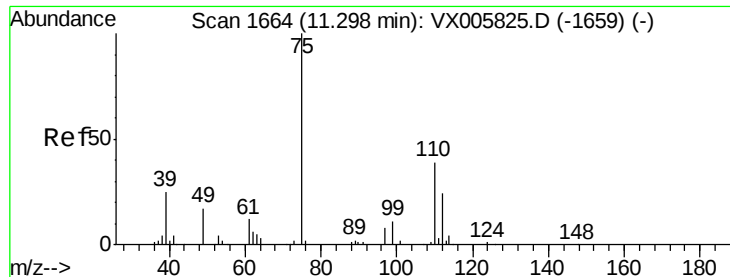
N-ethyl acetate
Concen: 3.952 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.20 min
Lab File: VX005978.D
Acq: 14 Nov 2018 17:02

Tgt Ion: 43 Resp: 7440
Ion Ratio Lower Upper
43 100
70 2.2 31.6 47.4#
55 5.8 19.7 29.5#
61 10.3 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

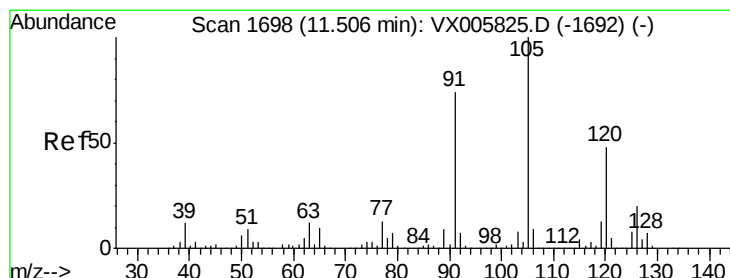
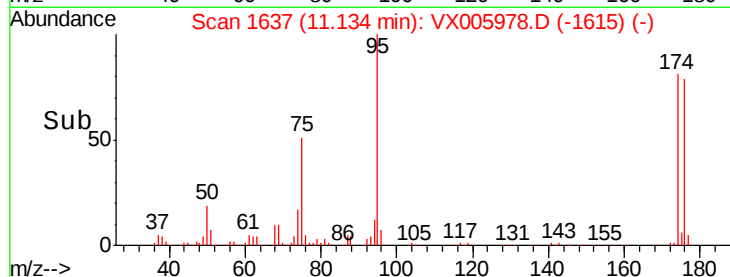
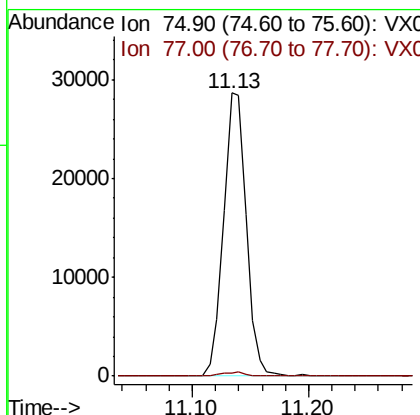
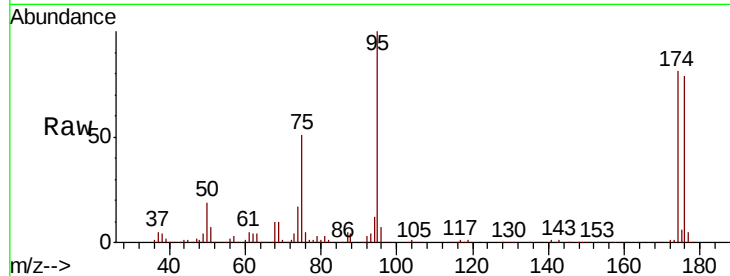




#76
 1,2,3-Trichloropropane
 Concen: 22.990 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX005978.D
 Acq: 14 Nov 2018 17:02

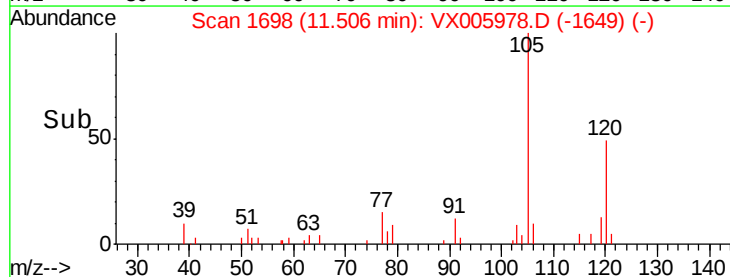
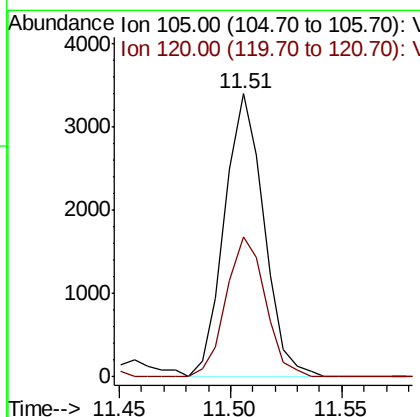
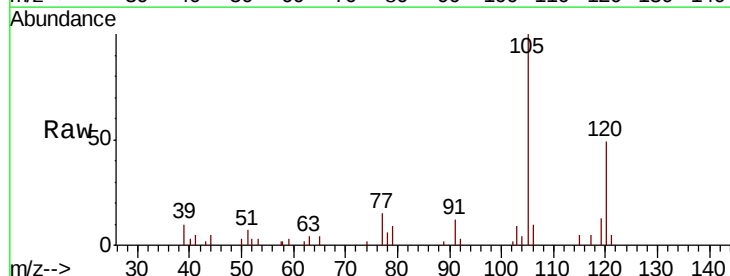
Instrument :
 MSVOA_X
 ClientSampleId :
 PB114787ZHE#01

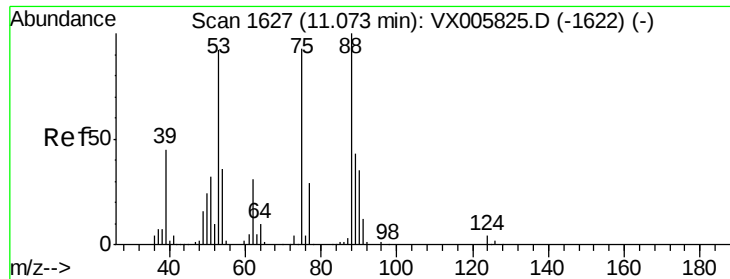
Tot Ion: 75 Resp: 38741
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.5 61.6#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.029 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005978.D
 Acq: 14 Nov 2018 17:02

Tgt Ion: 105 Resp: 4184
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 73.272 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

Instrument :

MSVOA_X

ClientSampleId :

PB114787ZHE#01

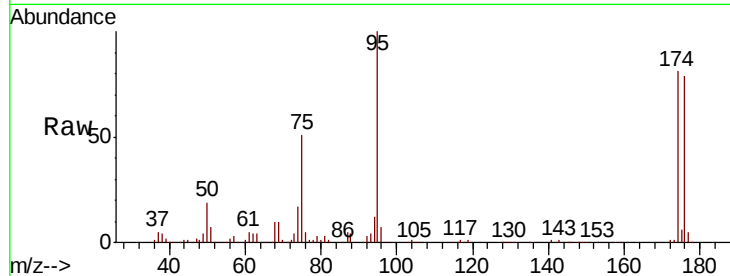
Tot Ion: 75 Resp: 38741

Ion Ratio Lower Upper

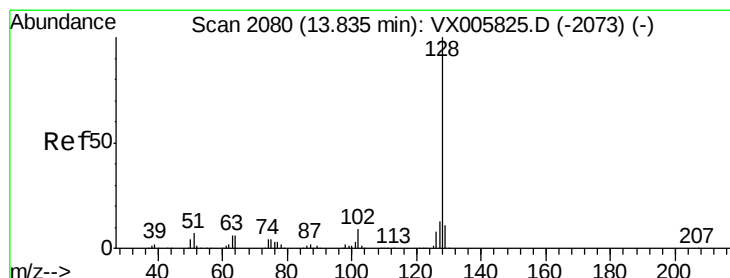
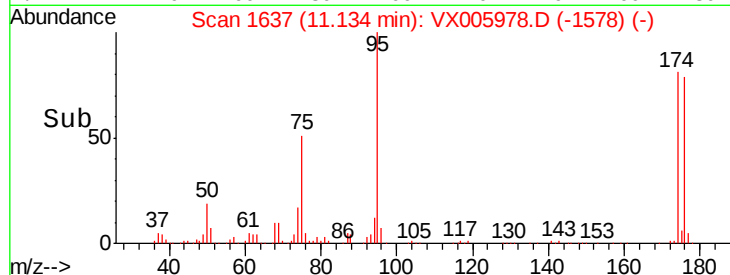
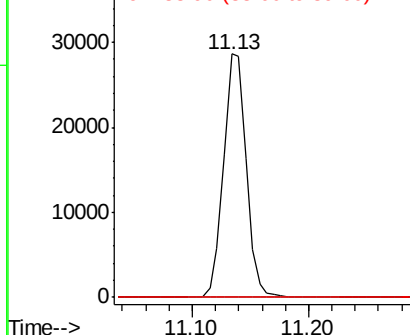
75 100

53 0.1 80.2 120.2#

89 0.0 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



#95

Naphthalene

Concen: 1.337 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005978.D

Acq: 14 Nov 2018 17:02

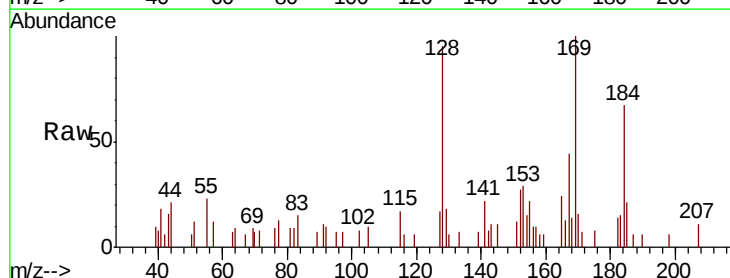
Tgt Ion:128 Resp: 973

Ion Ratio Lower Upper

128 100

127 60.9 10.4 15.6#

129 25.4 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

