

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102618\
 Data File : VX005645.D
 Acq On : 27 Oct 2018 10:00
 Operator : JC/MD
 Sample : J5204-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-102518-A

Quant Time: Oct 29 00:53:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	227504	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.87	114	349083	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	292242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	163012	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	141314	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
35) Dibromofluoromethane	5.50	113	111625	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
50) Toluene-d8	8.71	98	386043	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	
62) 4-Bromofluorobenzene	11.13	95	140439	43.79	ug/l	0.00
Spiked Amount			Recovery	=	87.58%	

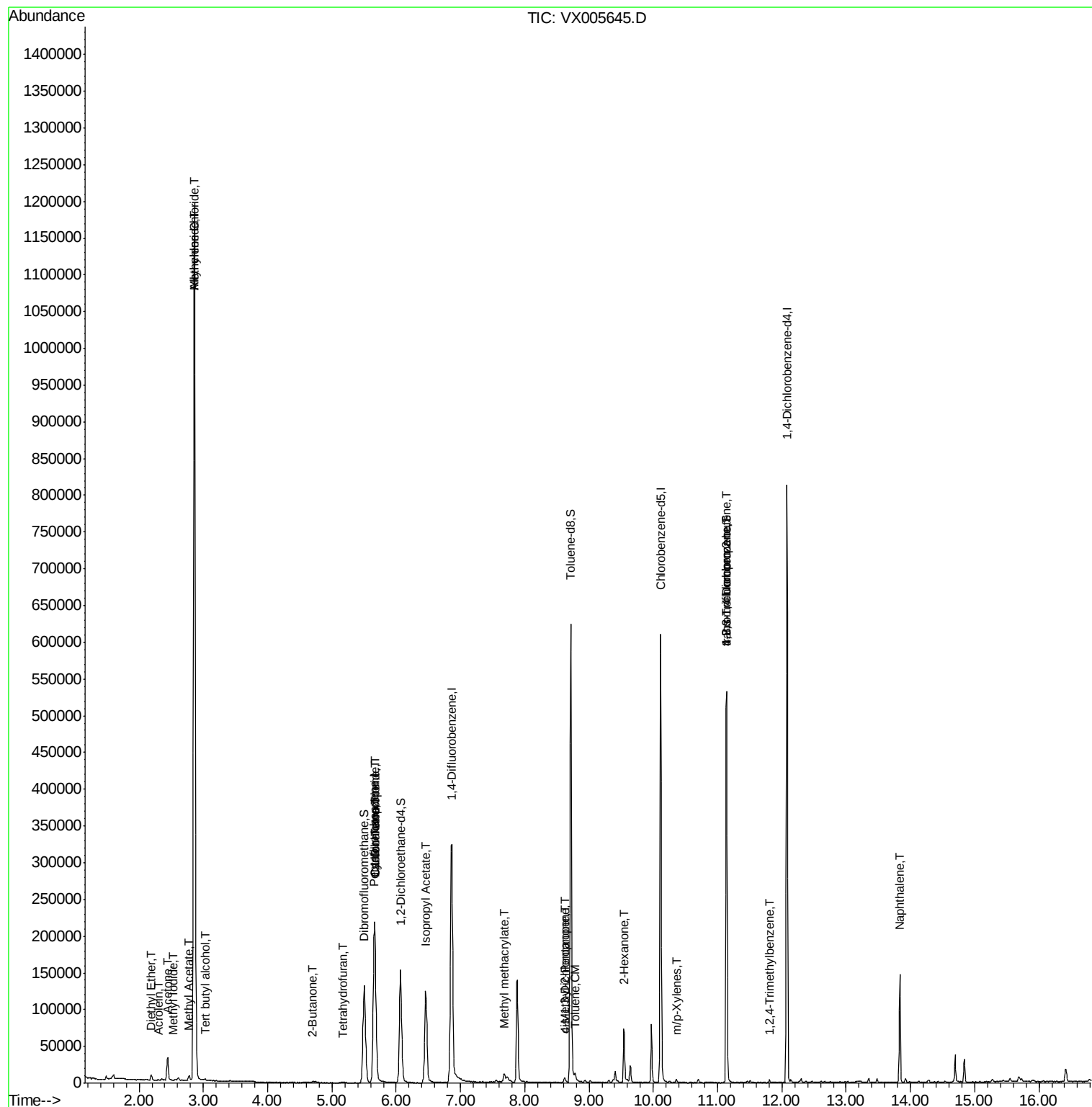
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.19	74	2450	1.571	ug/l	97
10) Methyl Iodide	2.53	142	67	2.752	ug/l #	39
11) Tert butyl alcohol	3.02	59	1579	2.113	ug/l #	75
13) Acrolein	2.31	56	284	0.745	ug/l #	76
14) Allyl chloride	2.85	41	24209	5.079	ug/l #	30
16) Acetone	2.44	43	33548	22.861	ug/l	99
18) Methyl Acetate	2.78	43	8568	0.929	ug/l	97
20) Methylene Chloride	2.86	84	564410	229.644	ug/l #	81
25) 2-Butanone	4.70	43	3255	1.457	ug/l #	81
29) Tetrahydrofuran	5.17	42	1010	0.695	ug/l #	73
31) Cyclohexane	5.67	56	4357	1.164	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16165	4.772	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20295	5.688	ug/l #	17
43) Isopropyl Acetate	6.46	43	164345	25.370	ug/l	97
48) Methyl methacrylate	7.68	41	6820	2.161	ug/l #	24
51) 4-Methyl-2-Pentanone	8.62	43	2784	0.639	ug/l #	38
52) Toluene	8.78	92	2016	0.342	ug/l	95
54) cis-1,3-Dichloropropene	8.62	75	812	0.213	ug/l #	76
59) 2-Hexanone	9.54	43	8901	2.593	ug/l #	59
68) m/p-Xylenes	10.36	106	1071	0.270	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	71522	20.708	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.13	75	71522	67.664	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	1752	0.203	ug/l	100
95) Naphthalene	13.83	128	88826	7.979	ug/l	99

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

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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005645.D

Acq: 27 Oct 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

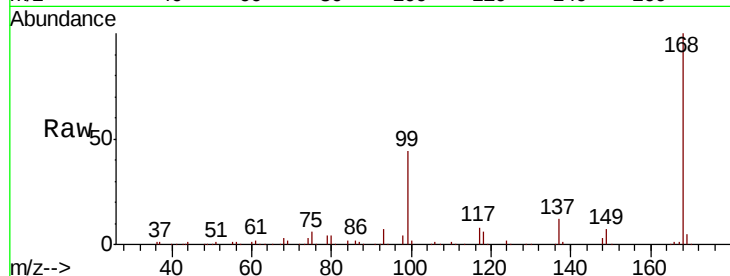
SU-02-102518-A

Tot Ion:168 Resp: 227504

Ion Ratio Lower Upper

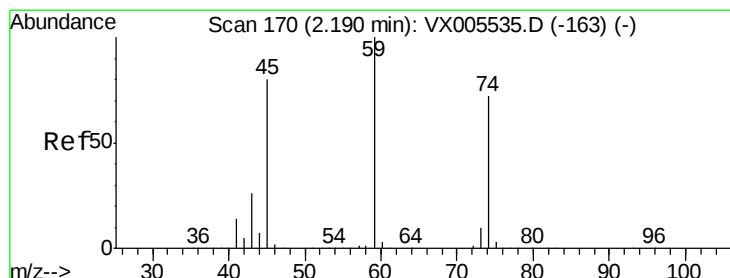
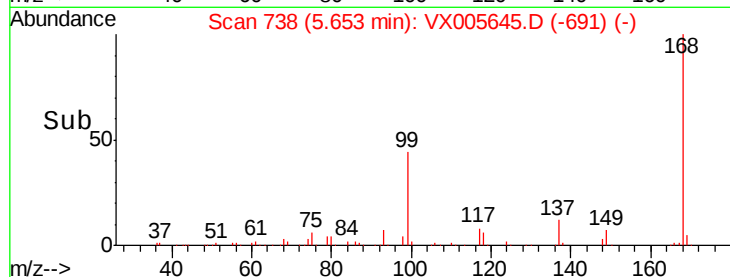
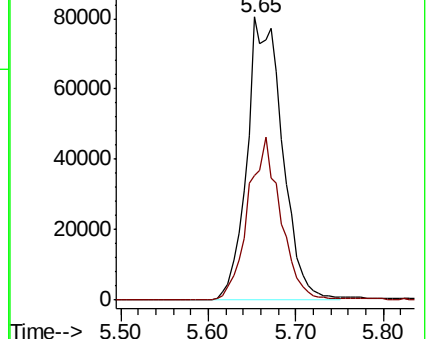
168 100

99 43.9 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.571 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005645.D

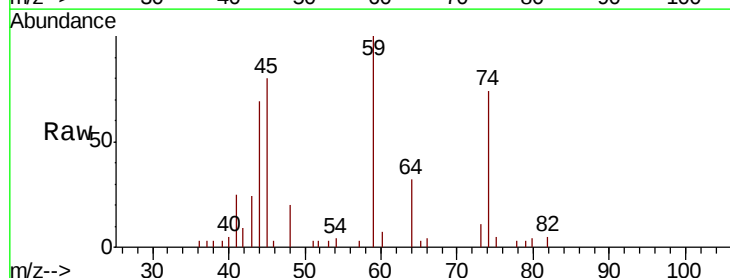
Acq: 27 Oct 2018 10:00

Tgt Ion: 74 Resp: 2450

Ion Ratio Lower Upper

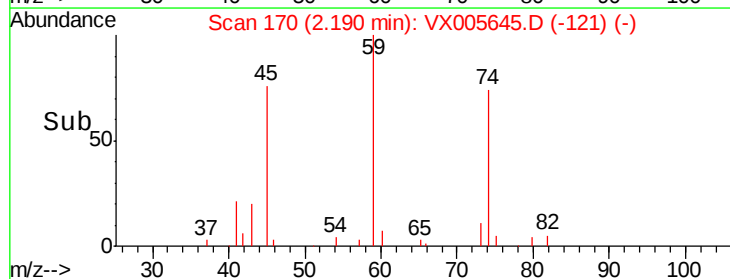
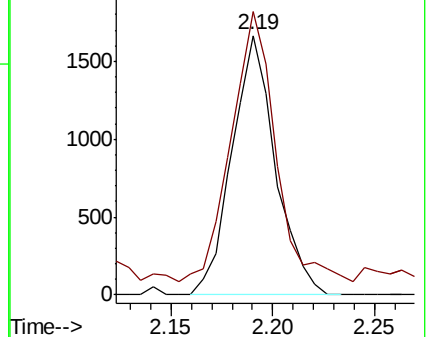
74 100

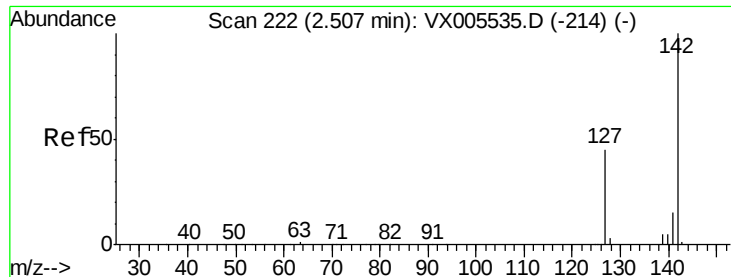
45 105.1 54.1 162.3



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

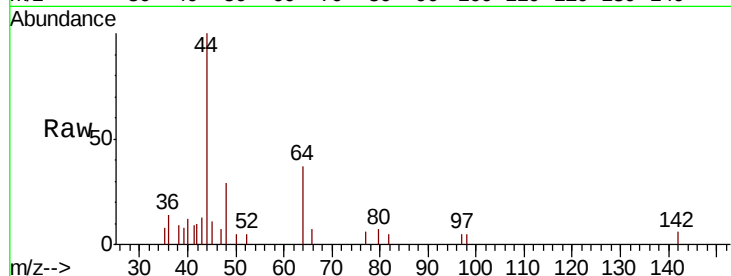




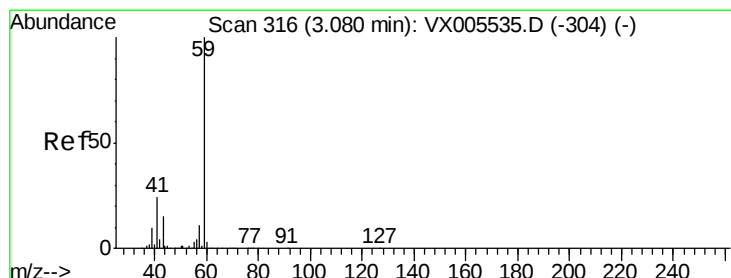
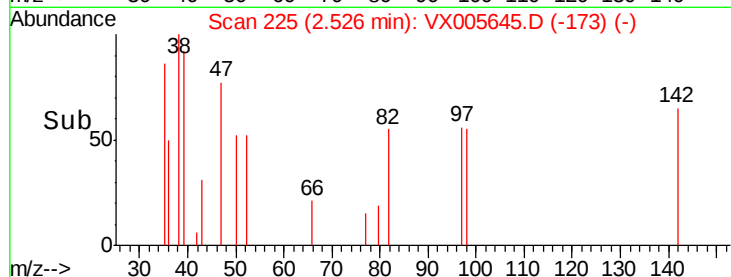
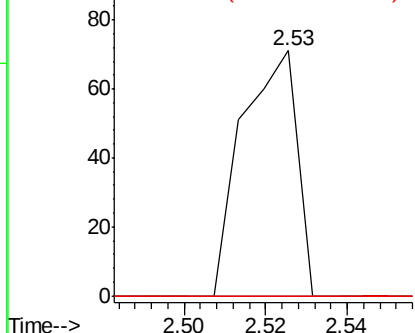
#10
Methvl Iodide
Concen: 2.752 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
SU-02-102518-A

Tot Ion:142 Resp: 67
Ion Ratio Lower Upper
142 100
127 0.0 36.0 54.0#
141 0.0 11.7 17.5#

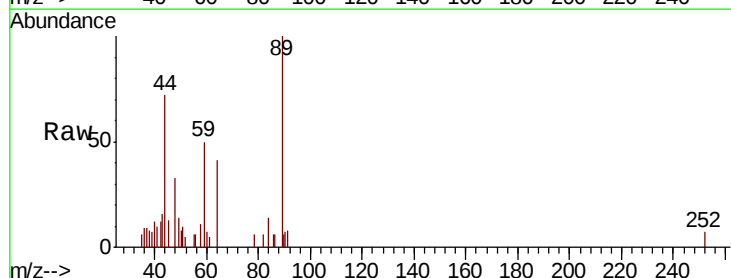


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

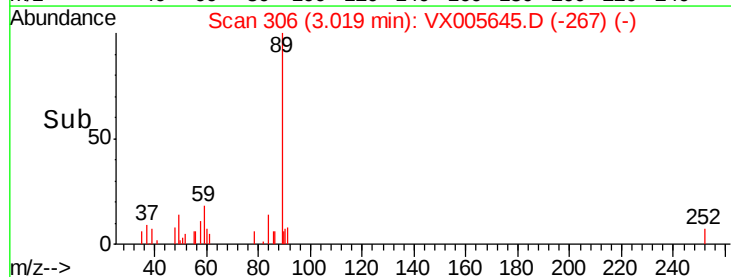
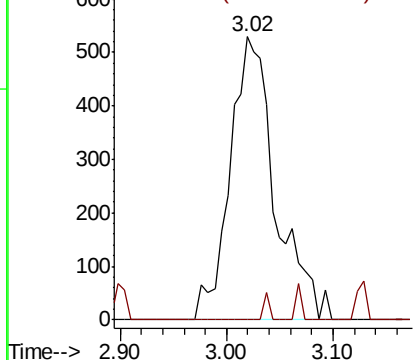


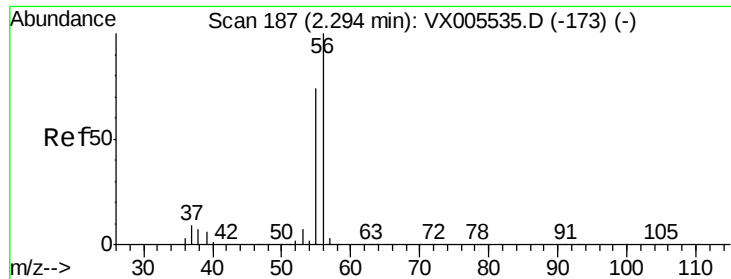
#11
Tert butyl alcohol
Concen: 2.113 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

Tgt Ion: 59 Resp: 1579
Ion Ratio Lower Upper
59 100
57 1.2 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.745 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX005645.D

Acq: 27 Oct 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

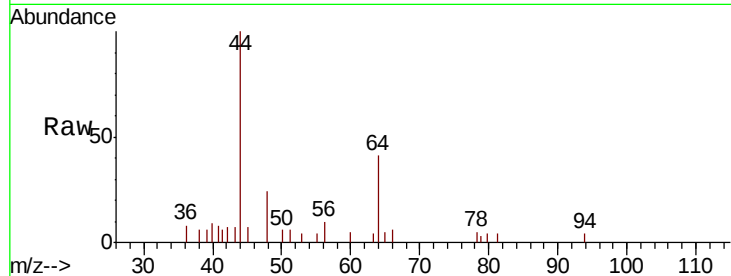
SU-02-102518-A

Tot Ion: 56 Resp: 284

Ion Ratio Lower Upper

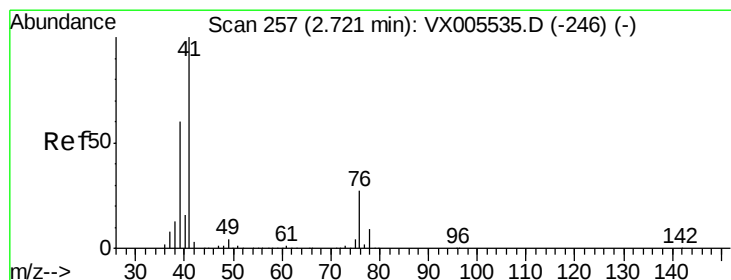
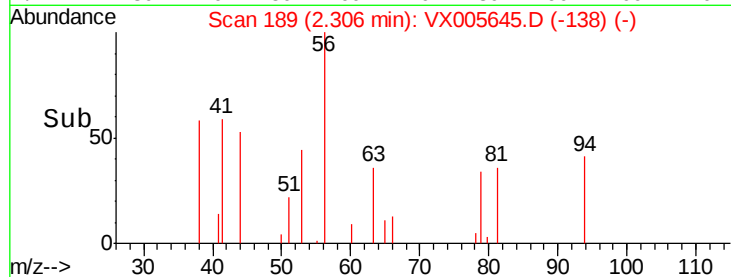
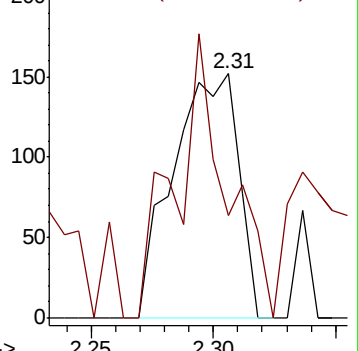
56 100

55 91.9 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 5.079 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.13 min

Lab File: VX005645.D

Acq: 27 Oct 2018 10:00

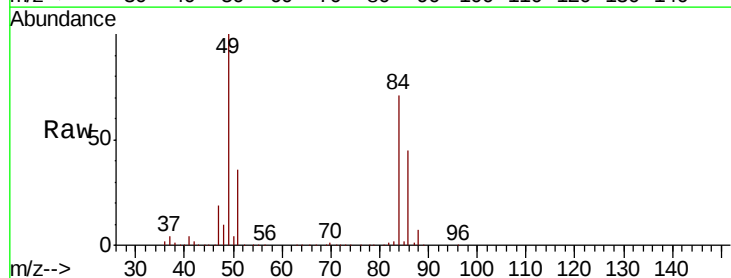
Tgt Ion: 41 Resp: 24209

Ion Ratio Lower Upper

41 100

39 1.4 48.2 72.4#

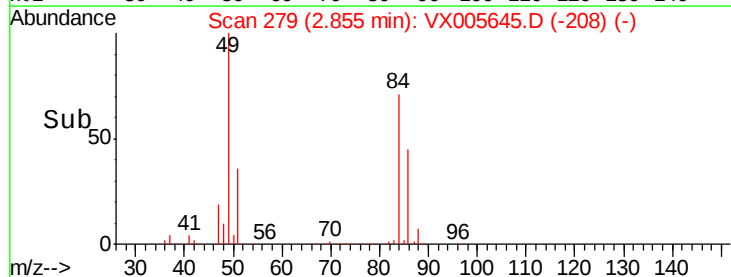
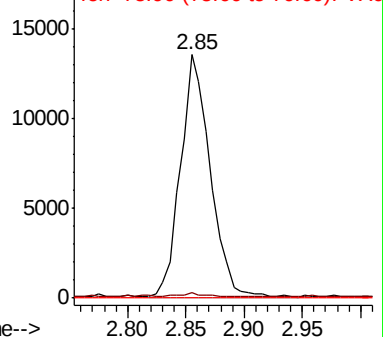
76 0.2 21.9 32.9#

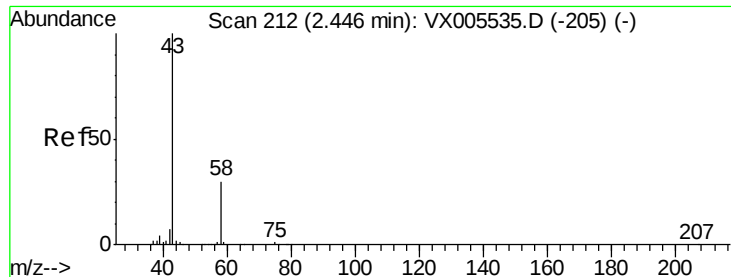


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#16

Acetone

Concen: 22.861 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005645.D

Acq: 27 Oct 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

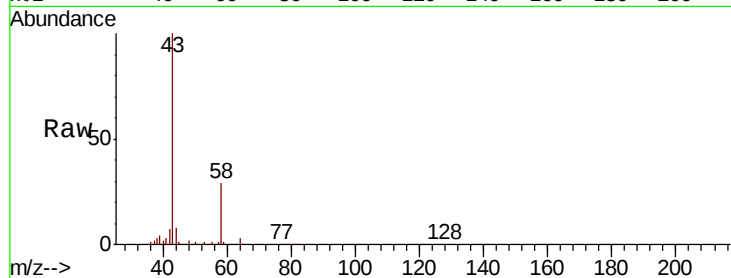
SU-02-102518-A

Tot Ion: 43 Resp: 33548

Ion Ratio Lower Upper

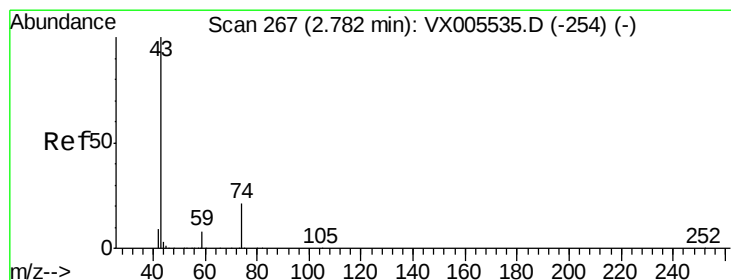
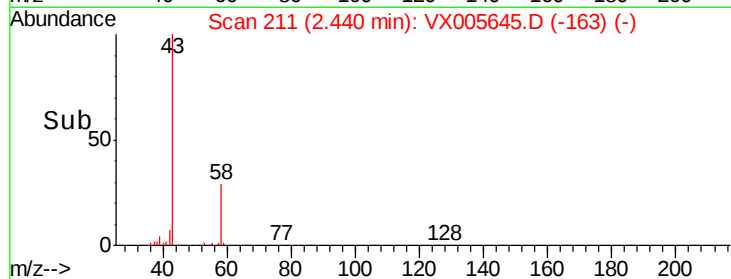
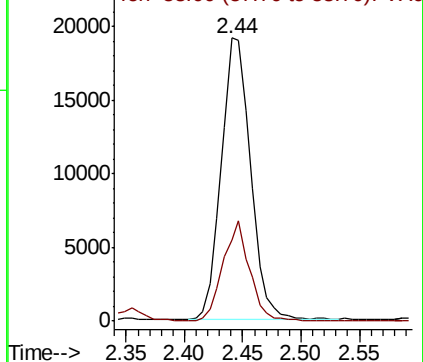
43 100

58 28.9 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.929 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005645.D

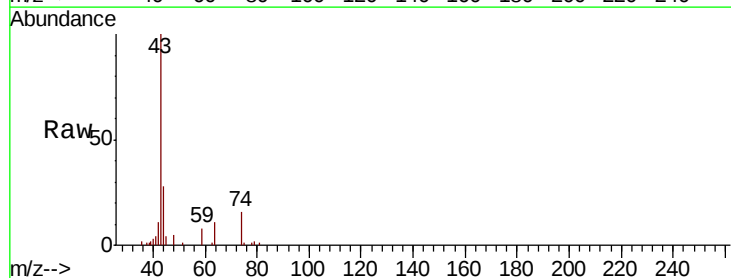
Acq: 27 Oct 2018 10:00

Tgt Ion: 43 Resp: 8568

Ion Ratio Lower Upper

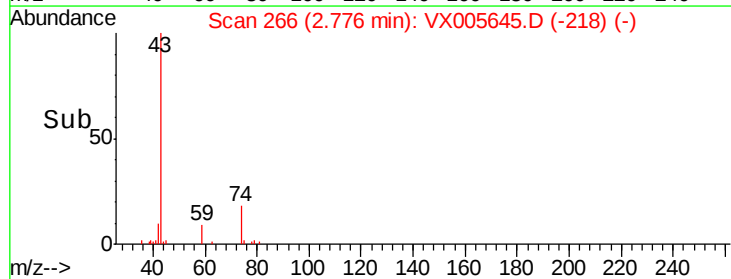
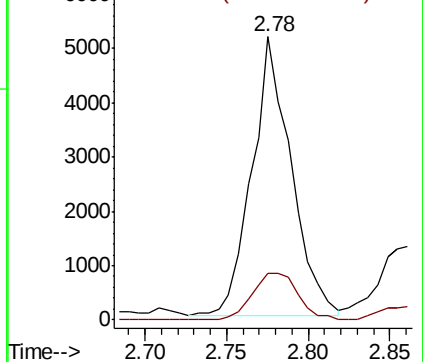
43 100

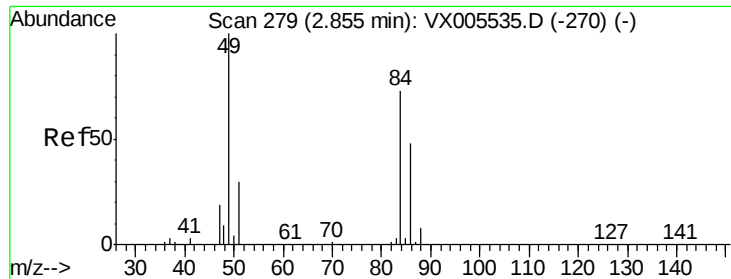
74 19.5 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

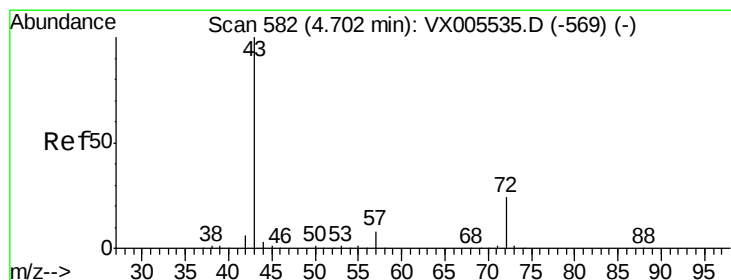
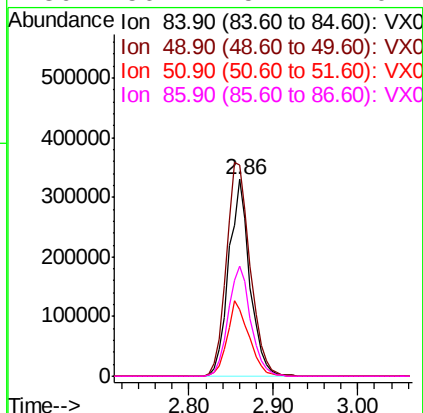
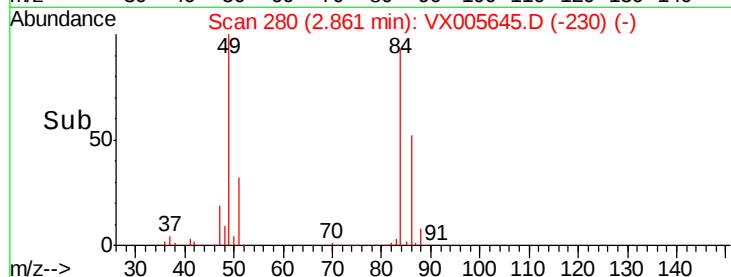
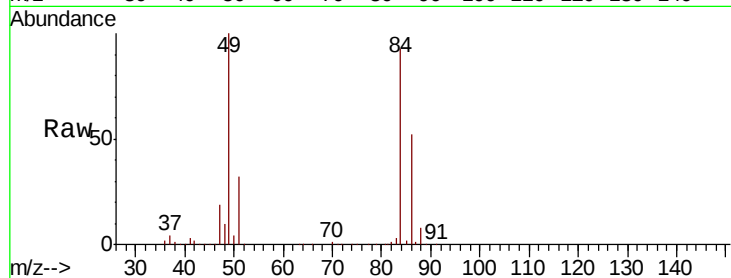




#20
Methvlene Chloride
Concen: 229.644 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

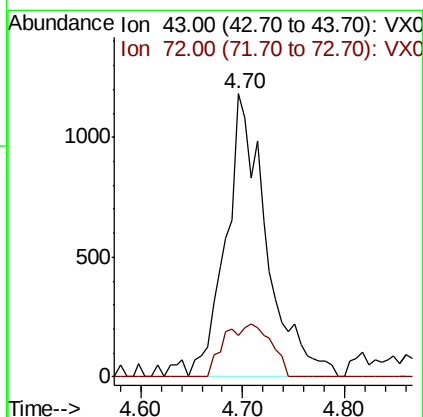
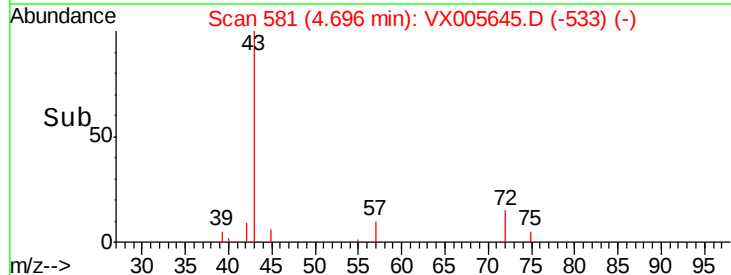
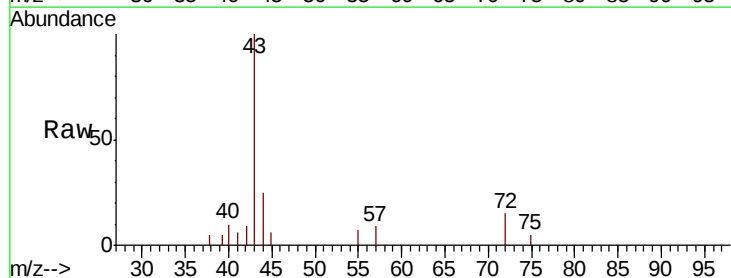
Instrument :
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SU-02-102518-A

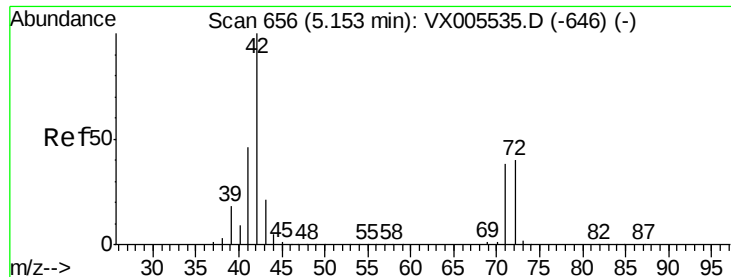
Tot Ion: 84 Resp: 564410
Ion Ratio Lower Upper
84 100
49 107.1 109.5 164.3#
51 33.7 33.3 49.9
86 56.1 52.7 79.1



#25
2-Butanone
Concen: 1.457 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

Tgt Ion: 43 Resp: 3255
Ion Ratio Lower Upper
43 100
72 14.6 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.695 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.02 min

Lab File: VX005645.D

Acq: 27 Oct 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

SU-02-102518-A

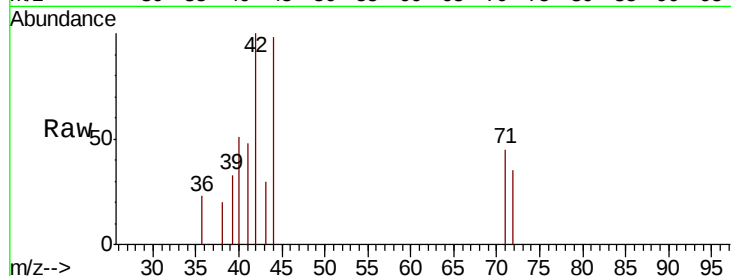
Tot Ion: 42 Resp: 1010

Ion Ratio Lower Upper

42 100

72 19.2 32.0 48.0#

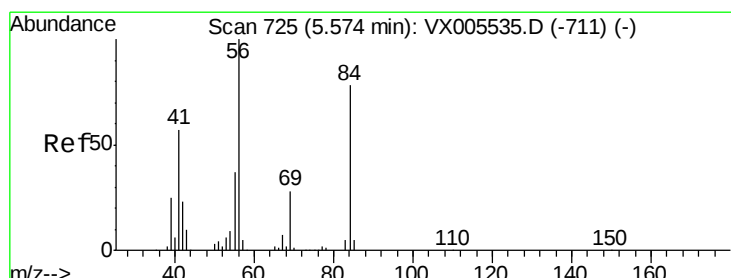
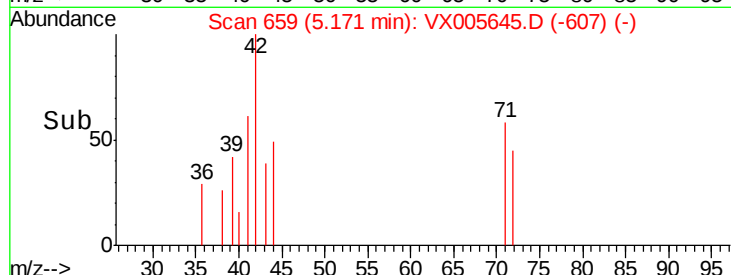
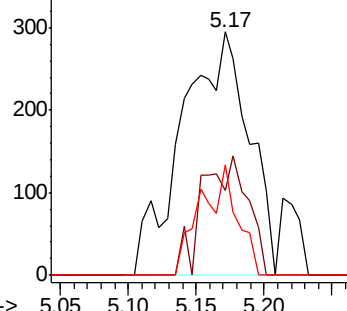
71 25.0 29.8 44.8#



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: 1.164 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005645.D

Acq: 27 Oct 2018 10:00

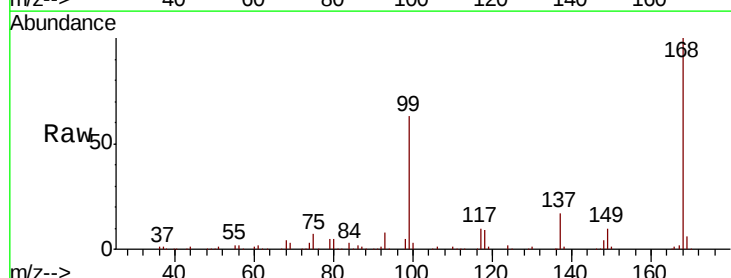
Tgt Ion: 56 Resp: 4357

Ion Ratio Lower Upper

56 100

69 149.7 22.6 34.0#

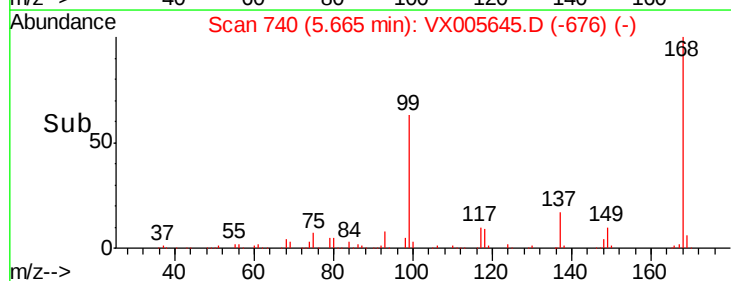
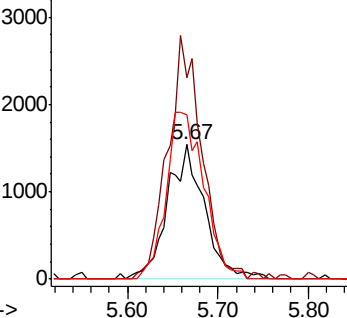
84 130.0 62.7 94.1#

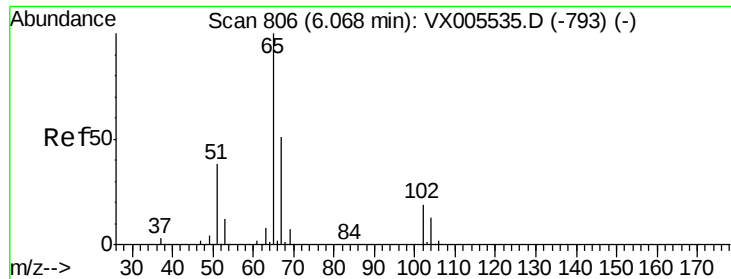


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

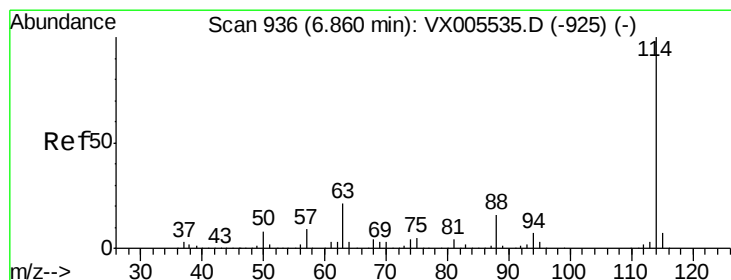
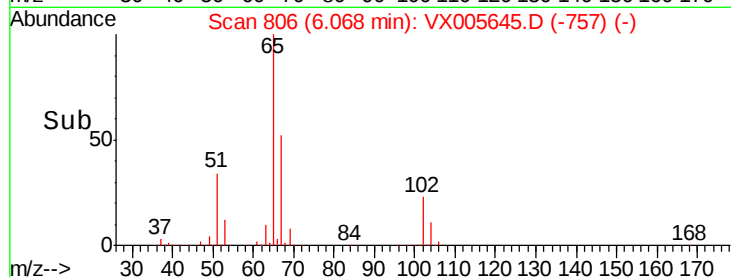
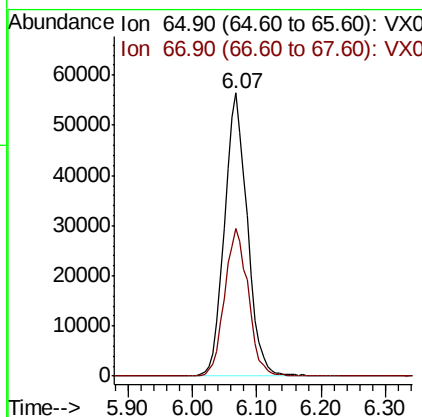
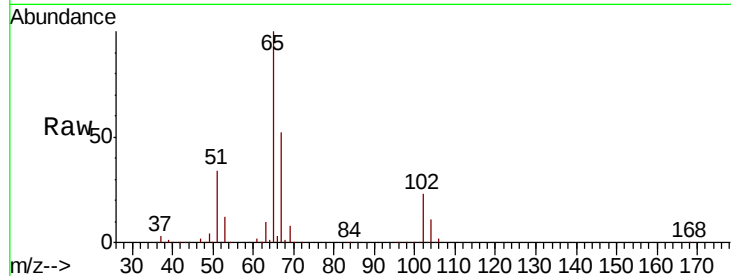




#33
 1,2-Dichloroethane-d4
 Concen: 50.885 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

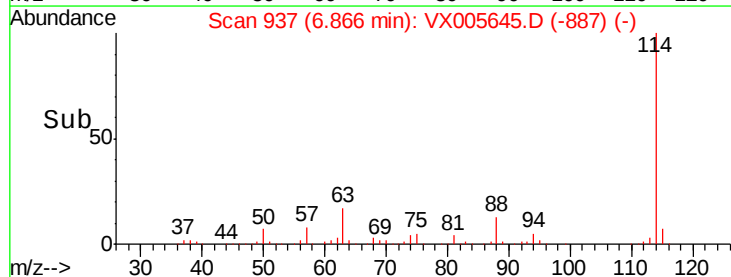
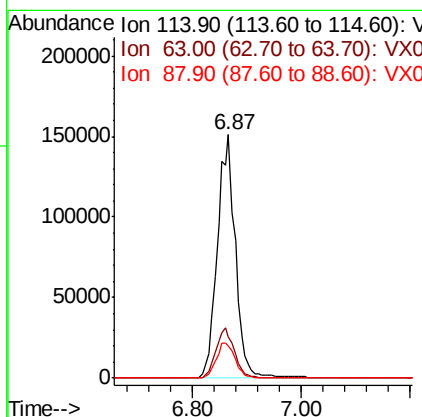
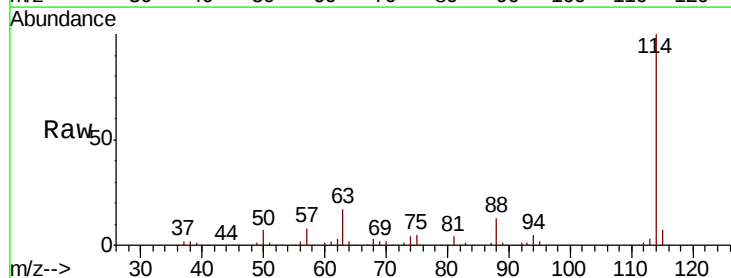
Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-102518-A

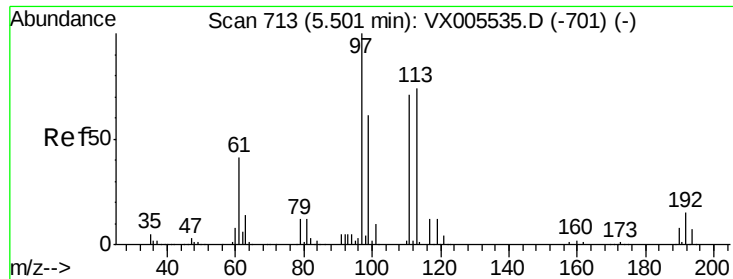
Tot Ion: 65 Resp: 141314
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

Tgt Ion: 114 Resp: 349083
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 42.8
 88 13.2 0.0 31.2

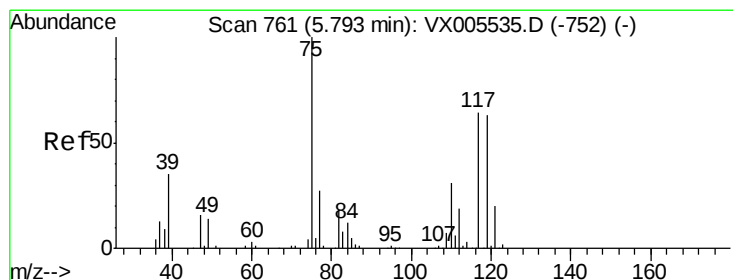
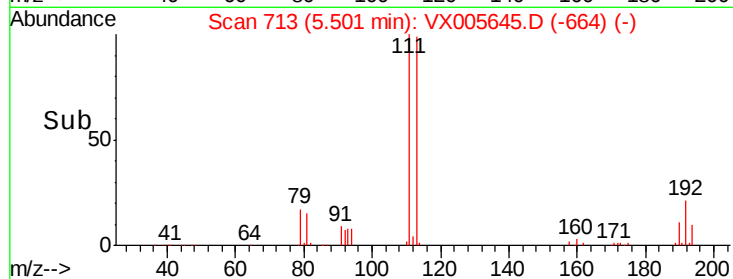
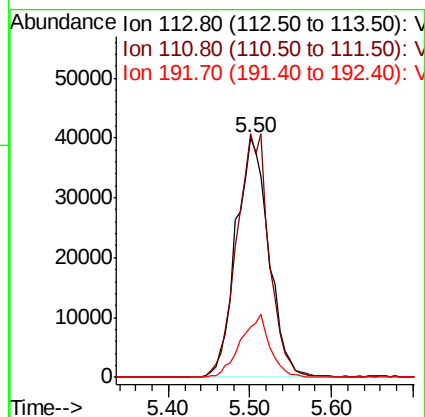
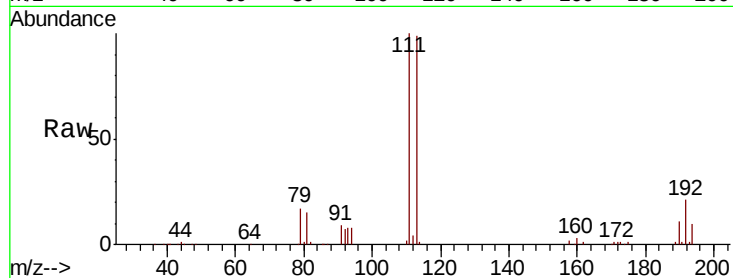




#35
 Dibromofluoromethane
 Concen: 47.225 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

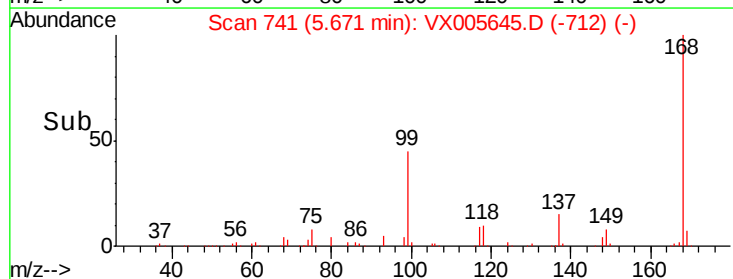
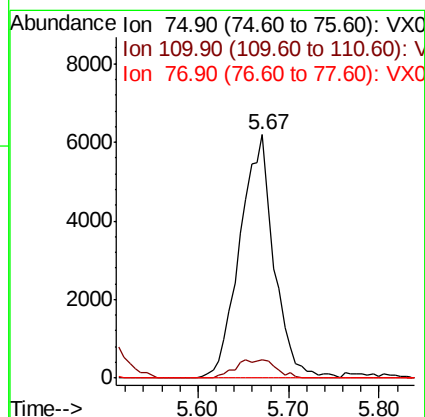
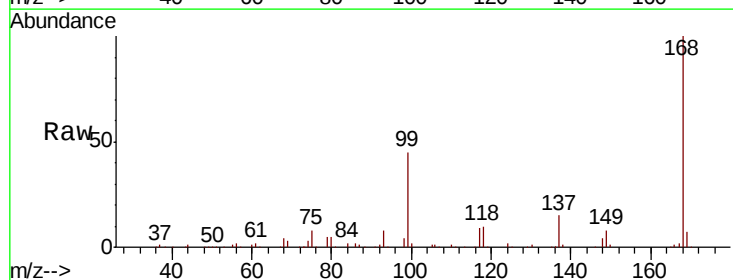
Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-102518-A

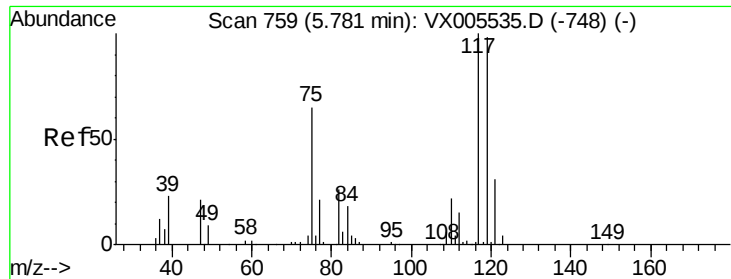
Tot Ion:113 Resp: 111625
 Ion Ratio Lower Upper
 113 100
 111 100.4 82.3 123.5
 192 23.3 17.9 26.9



#36
 1,1-Dichloropropene
 Concen: 4.772 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.12 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

Tgt Ion: 75 Resp: 16165
 Ion Ratio Lower Upper
 75 100
 110 9.1 17.4 52.2#
 77 0.0 25.8 38.6#





#38

Carbon Tetrachloride

Concen: 5.688 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005645.D

Acq: 27 Oct 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

SU-02-102518-A

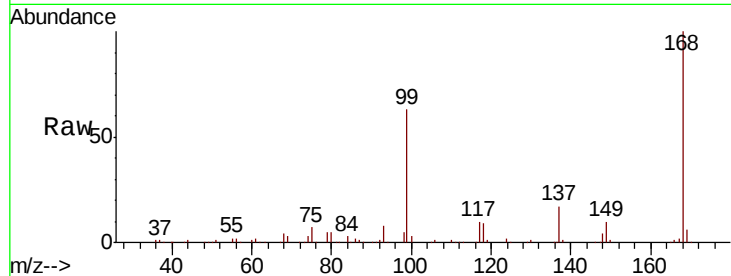
Tot Ion:117 Resp: 20295

Ion Ratio Lower Upper

117 100

119 6.8 78.1 117.1#

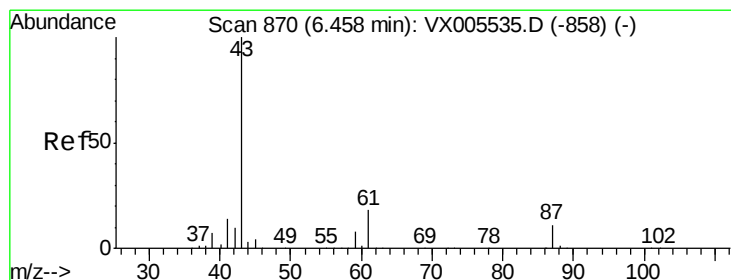
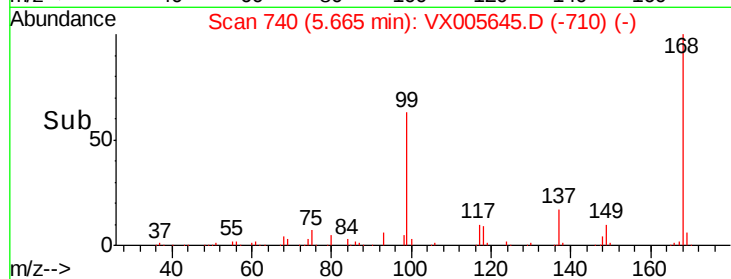
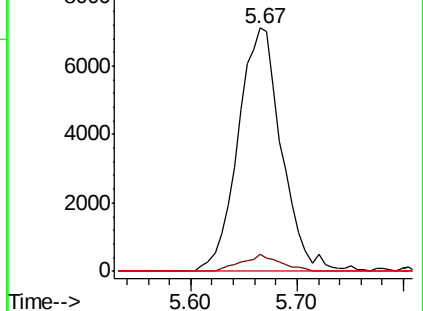
121 0.0 24.6 36.8#



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: 25.370 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.00 min

Lab File: VX005645.D

Acq: 27 Oct 2018 10:00

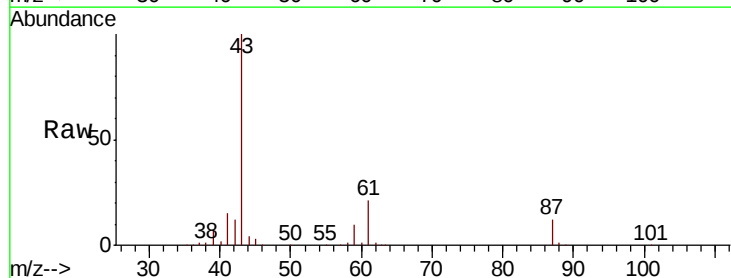
Tgt Ion: 43 Resp: 164345

Ion Ratio Lower Upper

43 100

61 20.0 14.6 22.0

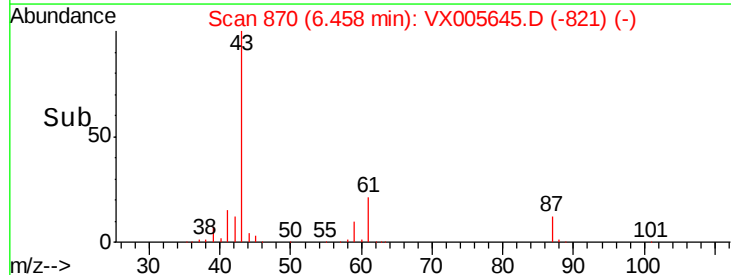
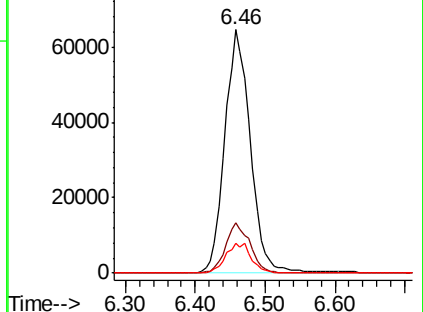
87 12.2 9.6 14.4

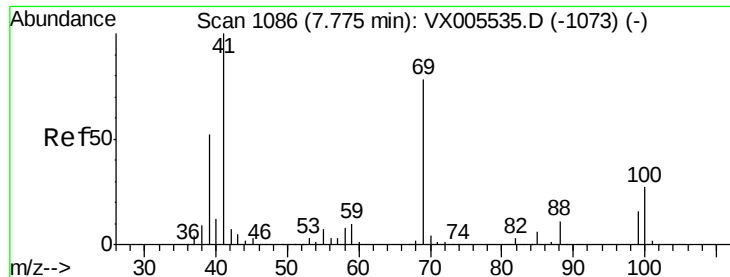


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

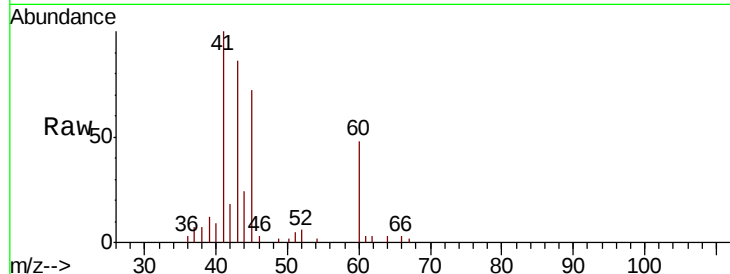




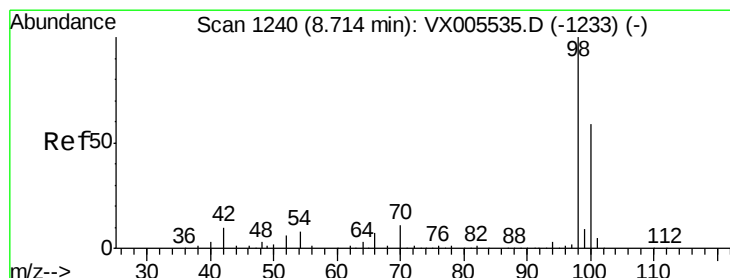
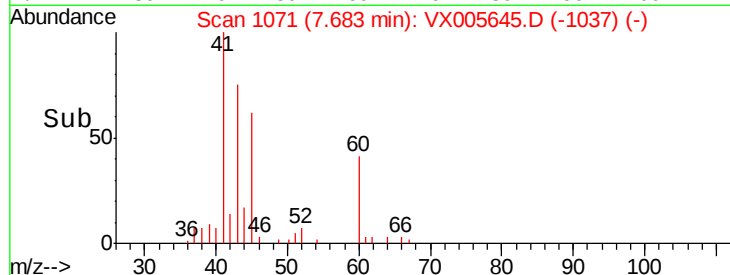
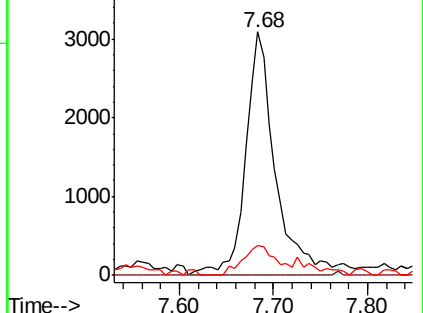
#48
Methvl methacrylate
Concen: 2.161 ug/l
RT: 7.68 min Scan# 1071
Delta R.T. -0.09 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
SU-02-102518-A

Tot Ion: 41 Resp: 6820
Ion Ratio Lower Upper
41 100
69 0.0 63.2 94.8#
39 13.8 42.2 63.2#

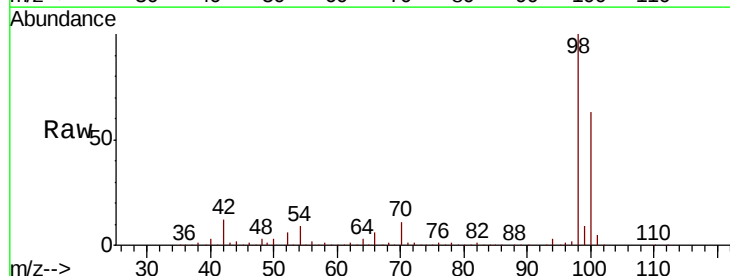


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

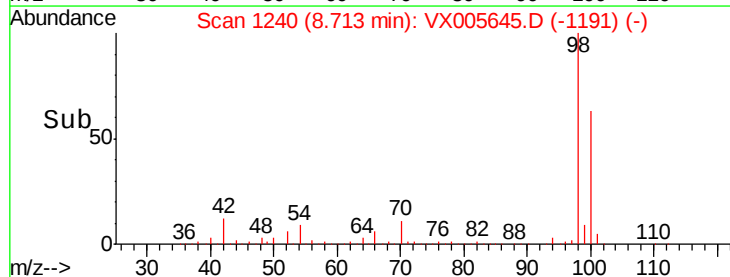
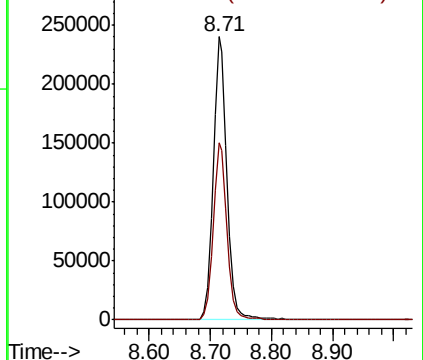


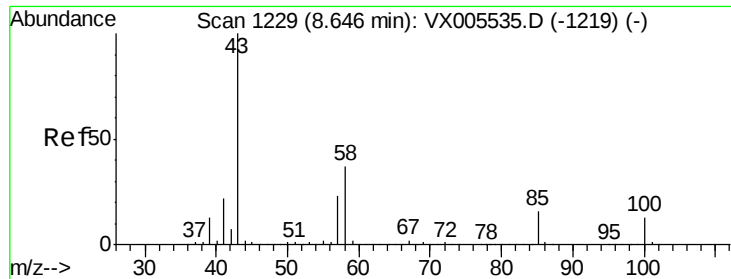
#50
Toluene-d8
Concen: 45.453 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

Tgt Ion: 98 Resp: 386043
Ion Ratio Lower Upper
98 100
100 62.8 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 0.639 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX005645.D

Acq: 27 Oct 2018 10:00

Instrument :

MSVOA_X

ClientSampleId :

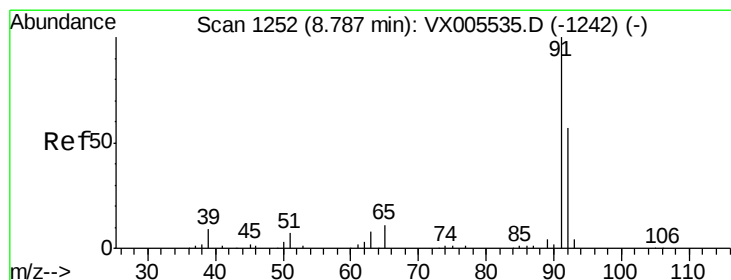
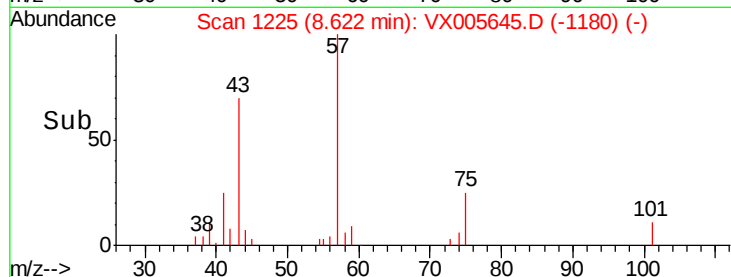
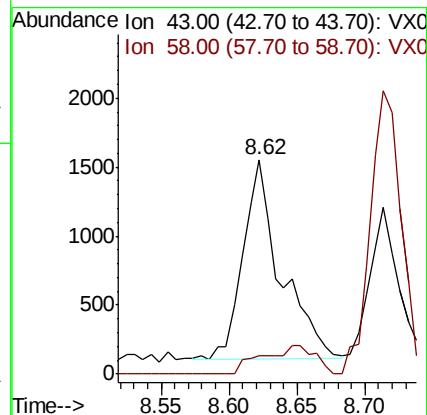
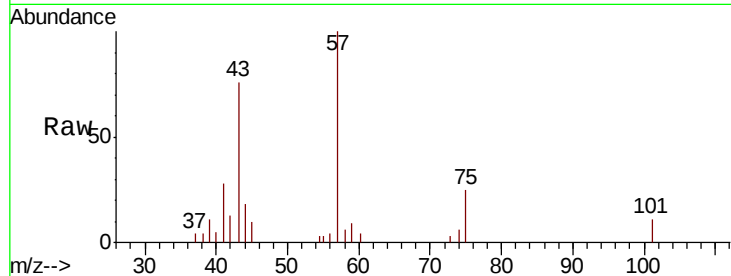
SU-02-102518-A

Tot Ion: 43 Resp: 2784

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



#52

Toluene

Concen: 0.342 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005645.D

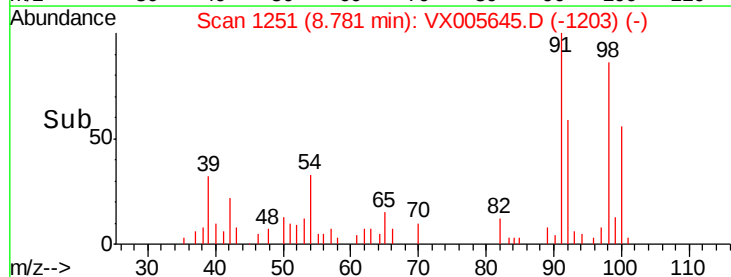
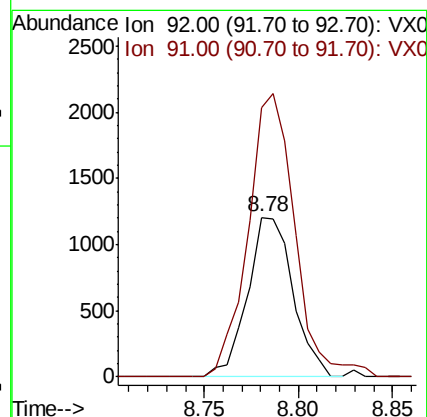
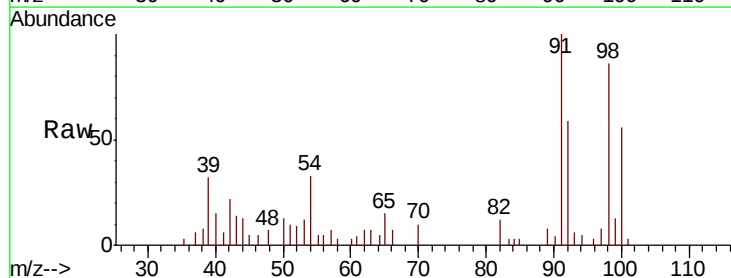
Acq: 27 Oct 2018 10:00

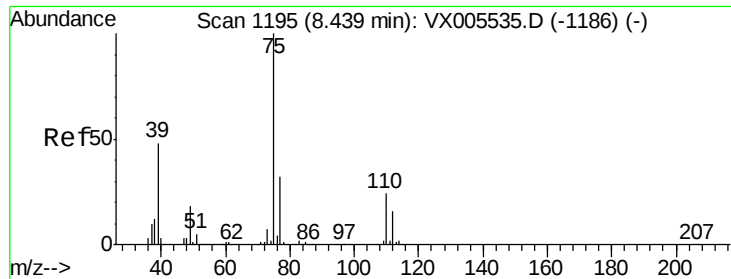
Tgt Ion: 92 Resp: 2016

Ion Ratio Lower Upper

92 100

91 182.8 140.4 210.6

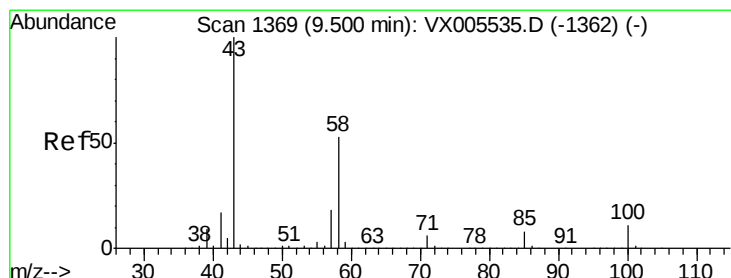
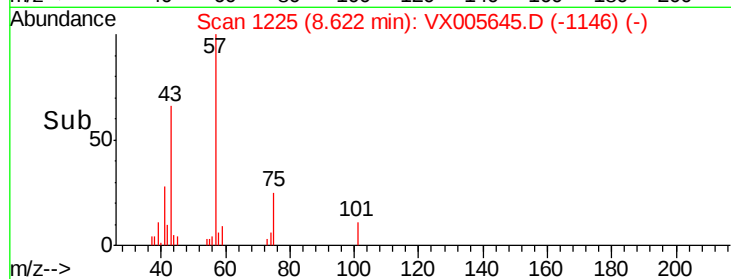
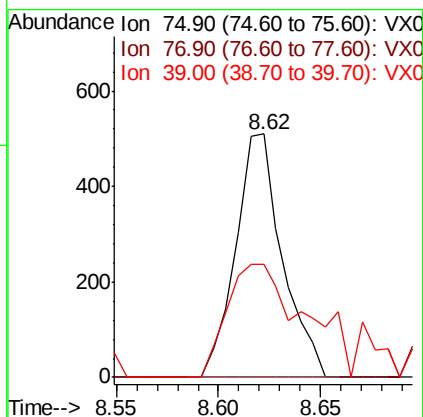
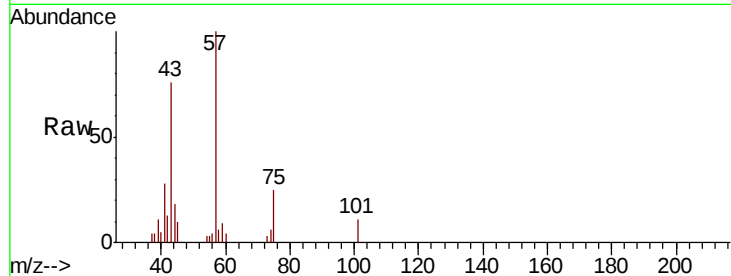




#54
 cis-1,3-Dichloropropene
 Concen: 0.213 ug/l
 RT: 8.62 min Scan# 1225
 Delta R.T. 0.18 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

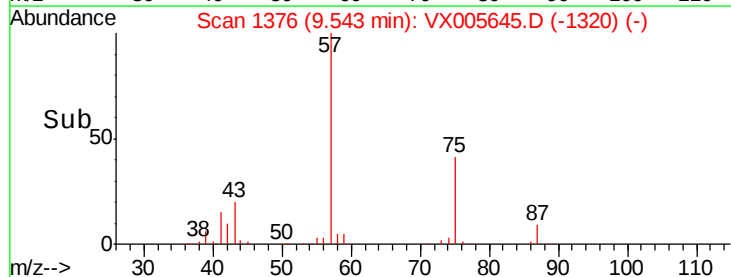
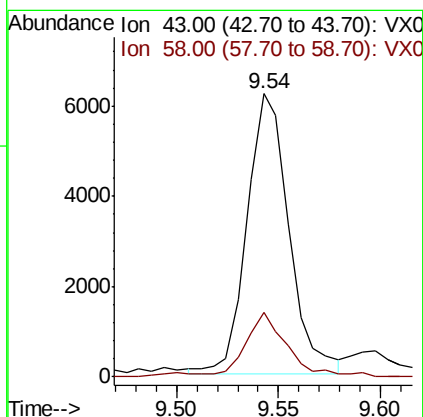
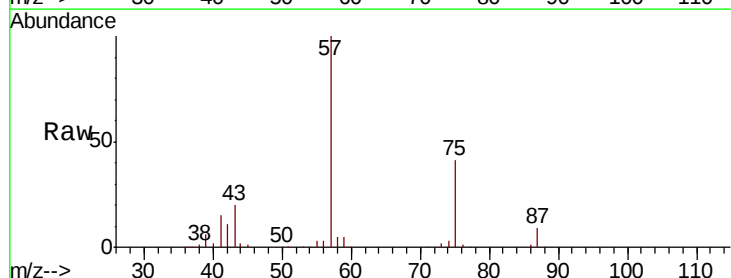
Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-102518-A

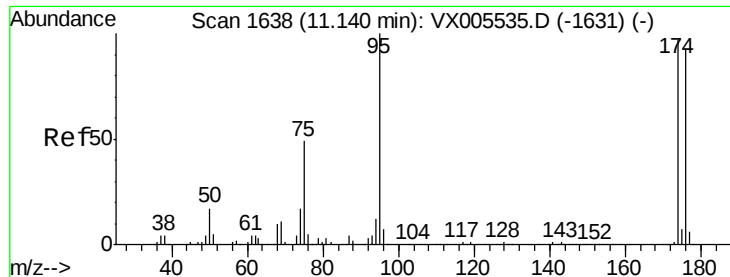
Tot Ion: 75 Resp: 812
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 46.3 38.2 57.2



#59
 2-Hexanone
 Concen: 2.593 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.04 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

Tgt Ion: 43 Resp: 8901
 Ion Ratio Lower Upper
 43 100
 58 22.8 25.9 77.8#

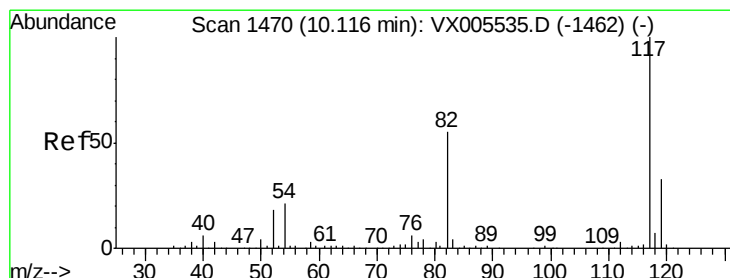
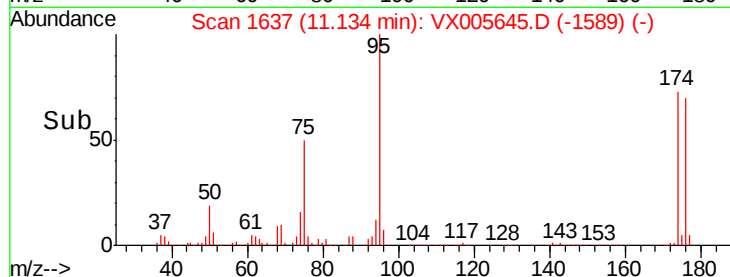
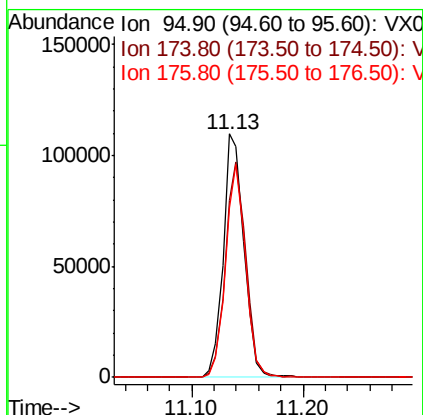
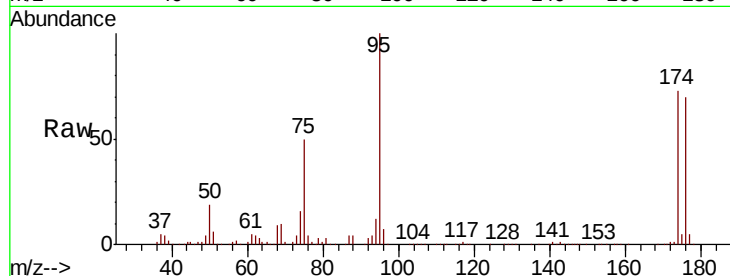




#62
4-Bromofluorobenzene
Concen: 43.785 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.01 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

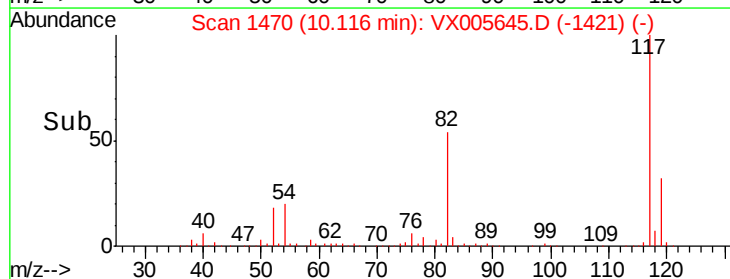
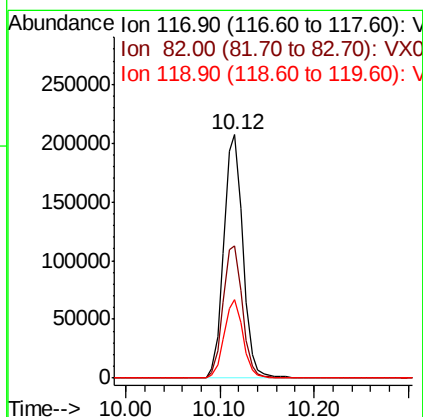
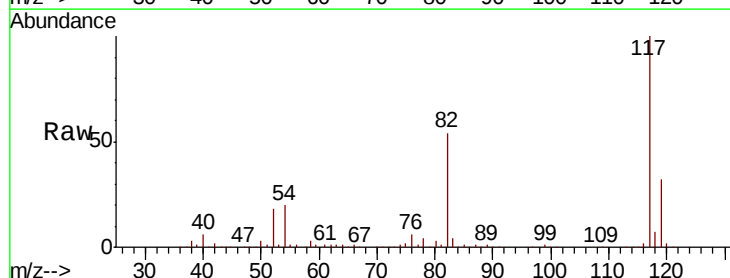
Instrument :
MSVOA_X
ClientSampleId :
SU-02-102518-A

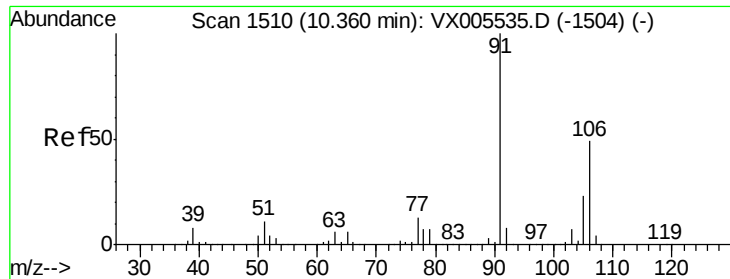
Tot Ion	95	Resp	140439
Ion Ratio	Lower	Upper	
95	100		
174	88.3	0.0	184.4
176	84.4	0.0	177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

Tgt Ion	117	Resp	292242
Ion Ratio	Lower	Upper	
117	100		
82	54.2	44.1	66.1
119	32.0	26.2	39.2

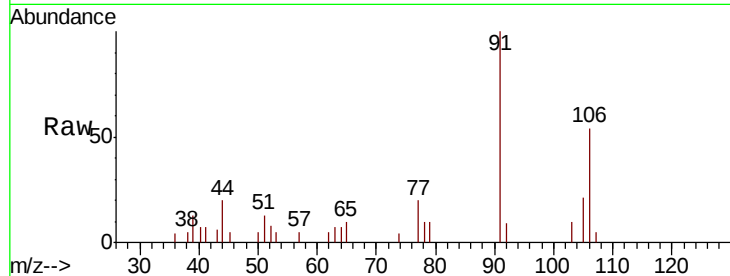




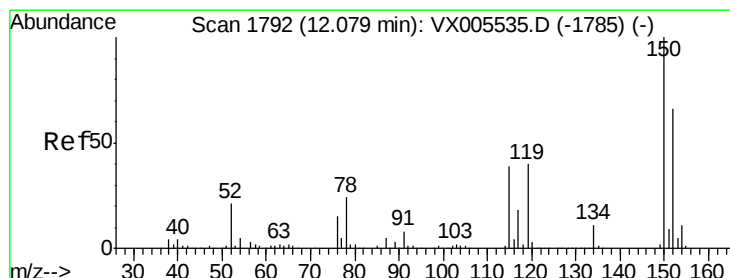
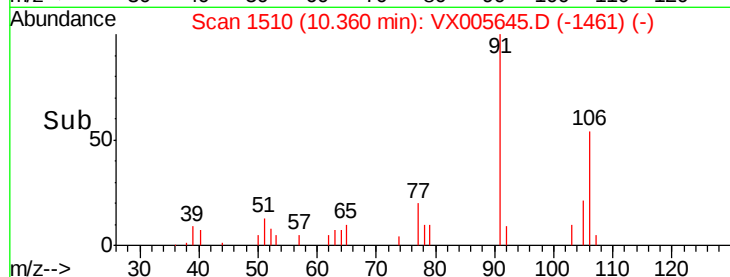
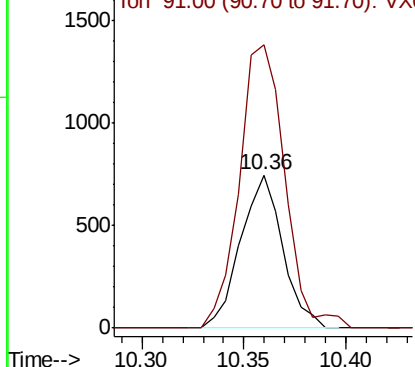
#68
m/p-Xvlenes
Concen: 0.270 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

Instrument :
MSVOA_X
ClientSampleId :
SU-02-102518-A

Tot Ion:106 Resp: 1071
Ion Ratio Lower Upper
106 100
91 200.0 164.2 246.4

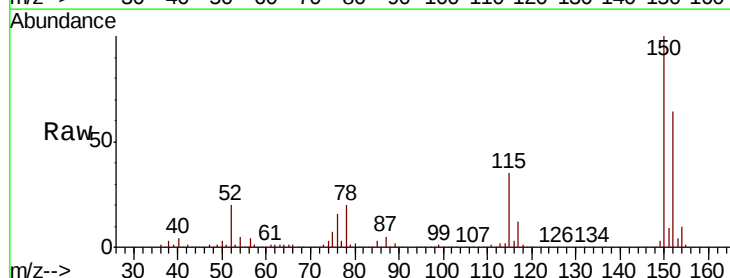


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

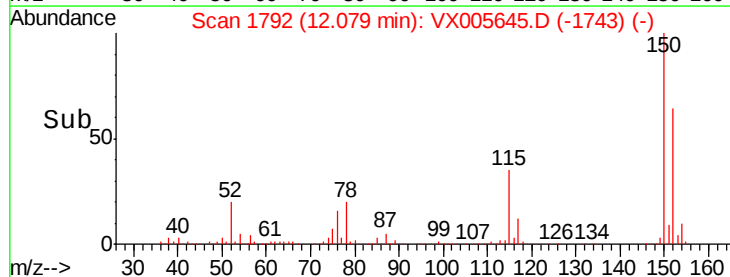
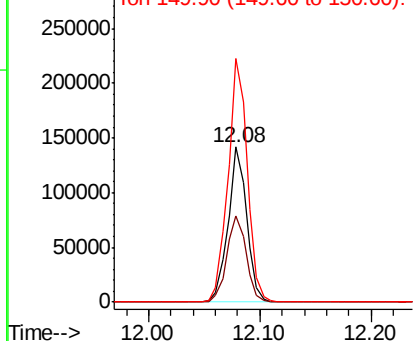


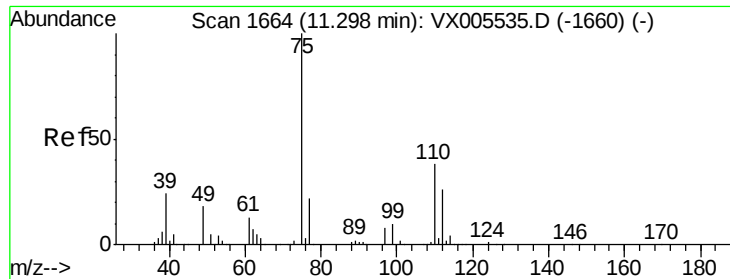
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005645.D
Acq: 27 Oct 2018 10:00

Tgt Ion:152 Resp: 163012
Ion Ratio Lower Upper
152 100
115 57.9 39.4 118.1
150 162.6 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

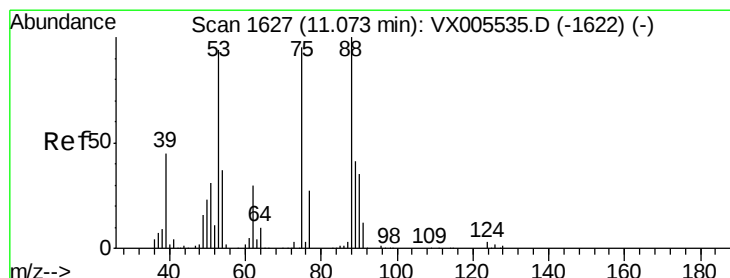
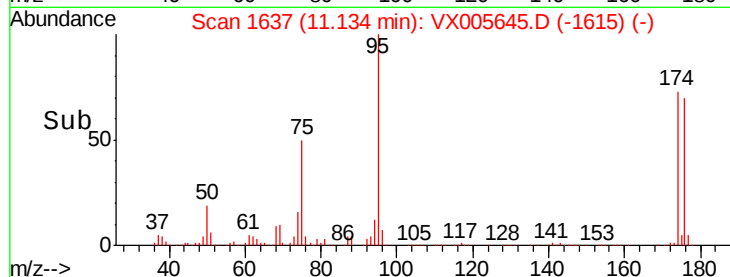
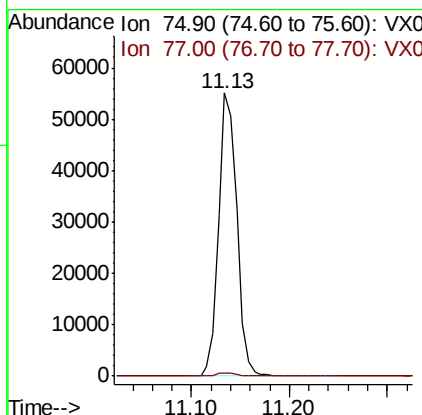
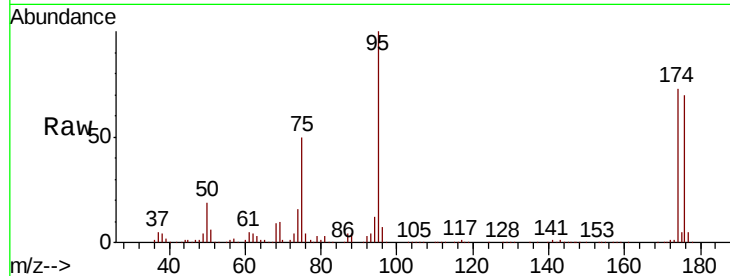




#76
 1,2,3-Trichloropropane
 Concen: 20.708 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

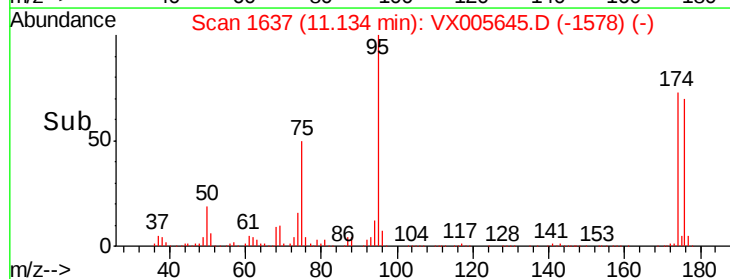
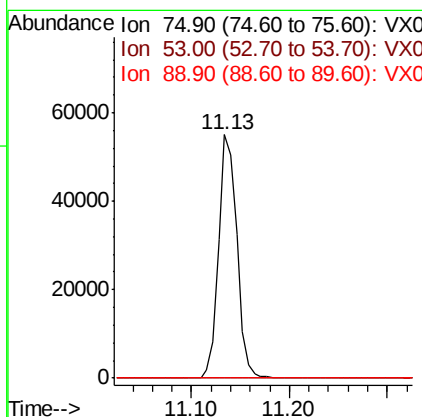
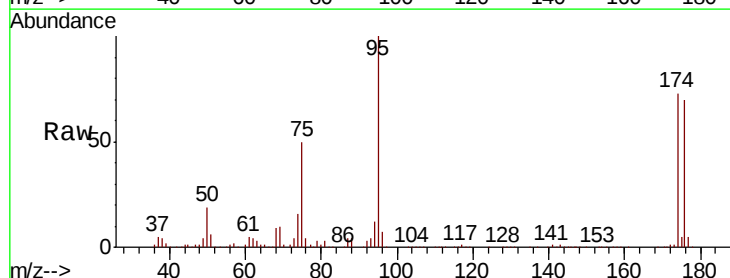
Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-102518-A

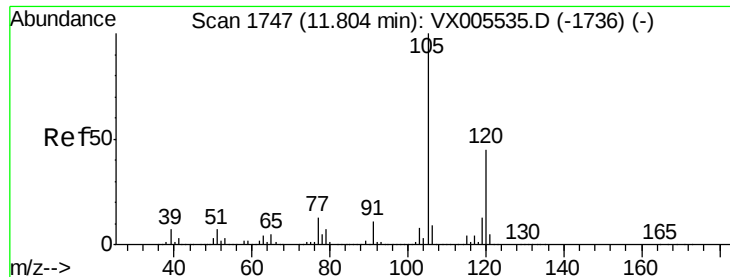
Tot Ion: 75 Resp: 71522
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.664 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

Tgt Ion: 75 Resp: 71522
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.2#
 89 0.1 39.8 59.8#

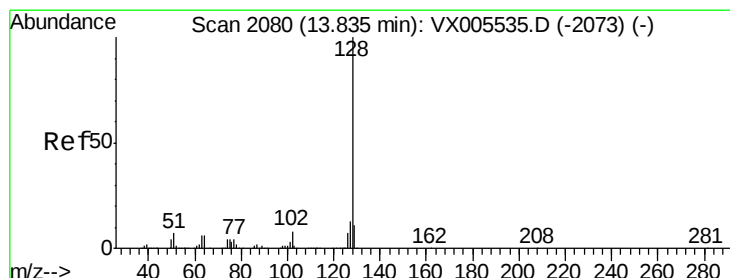
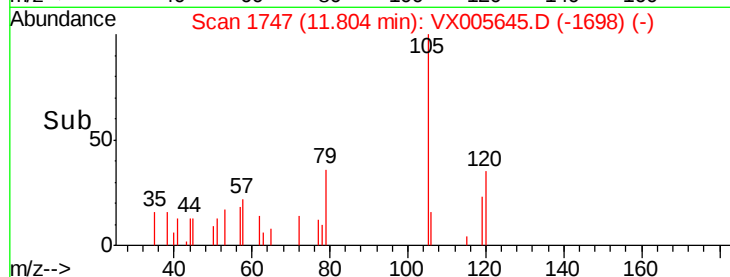
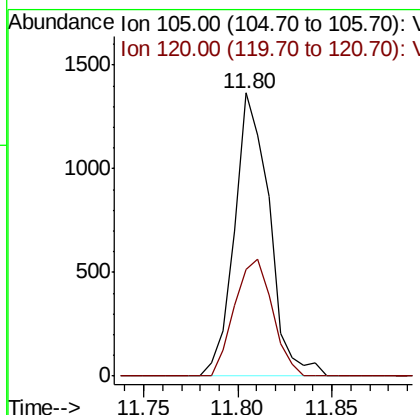
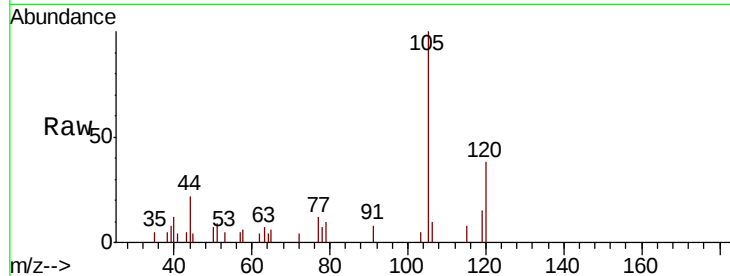




#84
 1,2,4-Trimethylbenzene
 Concen: 0.203 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

Instrument :
 MSVOA_X
 ClientSampleId :
 SU-02-102518-A

Tot Ion:105 Resp: 1752
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.4 67.0



#95
 Naphthalene
 Concen: 7.979 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX005645.D
 Acq: 27 Oct 2018 10:00

Tgt Ion:128 Resp: 88826
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.4 15.6
 129 11.5 8.7 13.1

