

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005954.D
 Acq On : 13 Nov 2018 17:40
 Operator : JC/MD
 Sample : J5908-28
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SR-6-S

Quant Time: Nov 14 03:27:42 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	89561	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	130004	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	120179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	56864	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	60550	58.81	ug/l	0.00
Spiked Amount			Recovery	=	117.62%	
35) Dibromofluoromethane	5.51	113	48229	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
50) Toluene-d8	8.71	98	156144	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
62) 4-Bromofluorobenzene	11.14	95	52086	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	

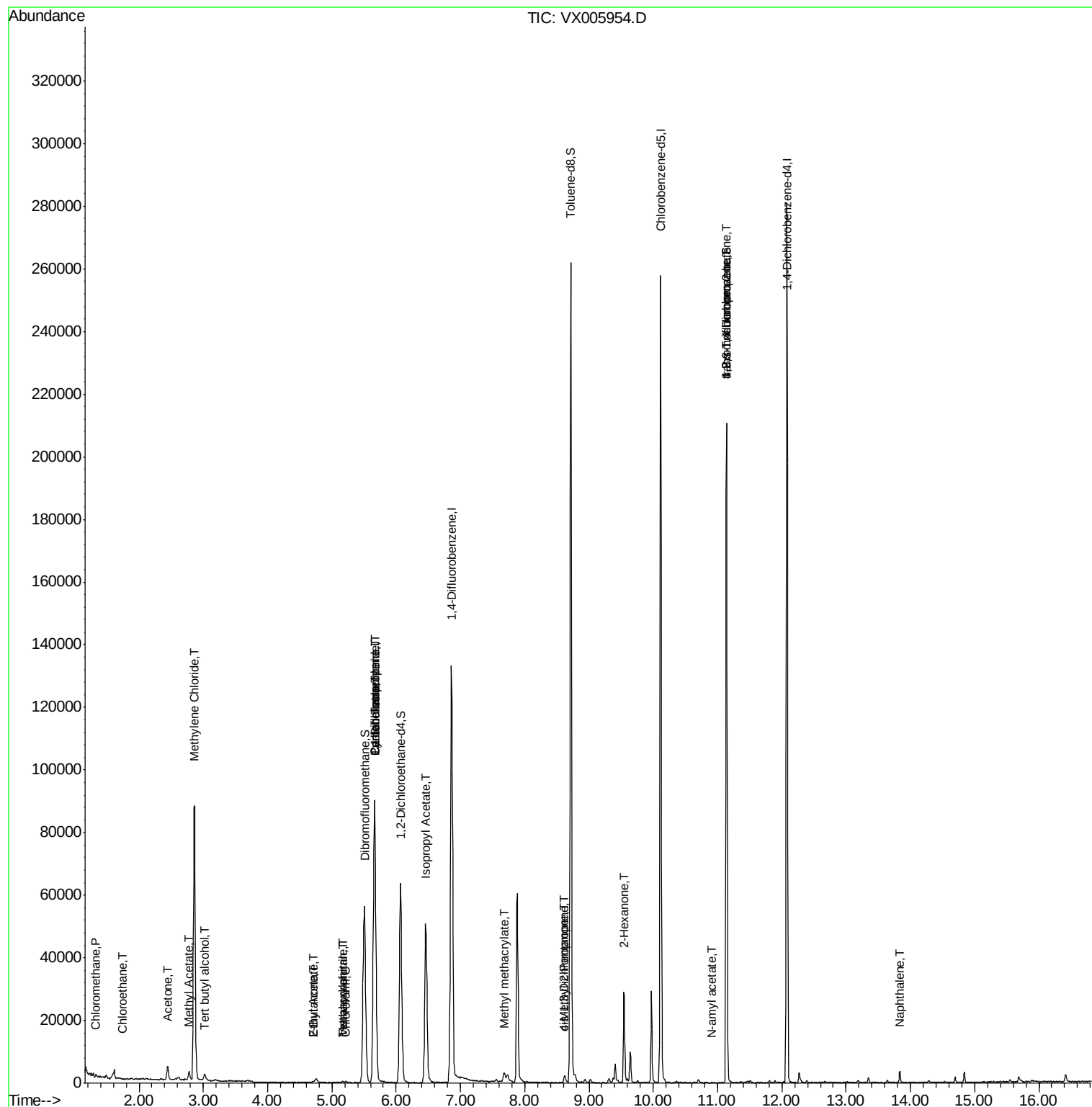
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	433	0.409	ug/l #	82
6) Chloroethane	1.74	64	135	0.213	ug/l #	42
11) Tert butyl alcohol	3.01	59	1279	4.336	ug/l #	72
16) Acetone	2.45	43	4573	8.249	ug/l	99
18) Methyl Acetate	2.78	43	3249	0.725	ug/l	97
20) Methylene Chloride	2.86	84	37645	41.339	ug/l	91
25) 2-Butanone	4.71	43	820	0.941	ug/l #	51
29) Tetrahydrofuran	5.17	42	386	0.690	ug/l #	50
30) Chloroform	5.21	83	601	0.377	ug/l	98
31) Cyclohexane	5.66	56	1709	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	6205	4.951	ug/l #	49
37) Ethyl Acetate	4.71	43	820	0.498	ug/l #	69
38) Carbon Tetrachloride	5.67	117	8201	6.536	ug/l #	17
41) Methacrylonitrile	5.16	41	254	0.285	ug/l #	41
43) Isopropyl Acetate	6.46	43	66918	28.022	ug/l	100
48) Methyl methacrylate	7.68	41	2380	2.220	ug/l #	27
51) 4-Methyl-2-Pentanone	8.62	43	1358	0.902	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	326	0.258	ug/l #	76
59) 2-Hexanone	9.55	43	3437	2.591	ug/l #	60
74) N-amyl acetate	10.90	43	42	1.273	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	27058	23.369	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	27058	74.480	ug/l #	9
95) Naphthalene	13.83	128	2373	1.744	ug/l	98

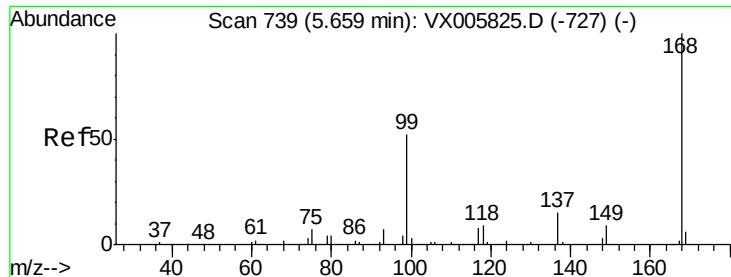
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 14 03:27:42 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X110718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 07 14:40:53 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

Instrument :

MSVOA_X

ClientSampled :

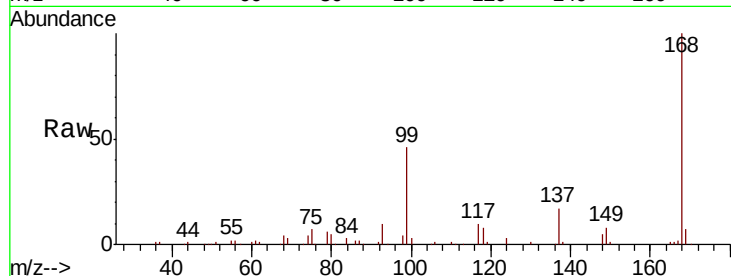
SR-6-S

Tot Ion:168 Resp: 89561

Ion Ratio Lower Upper

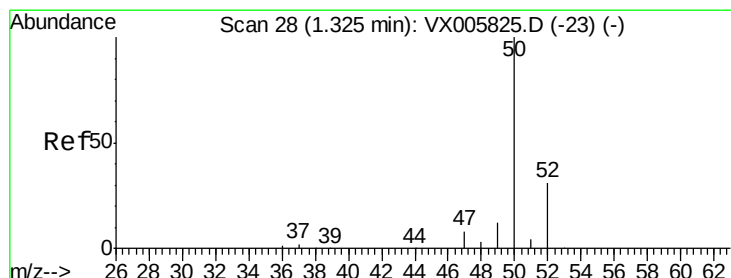
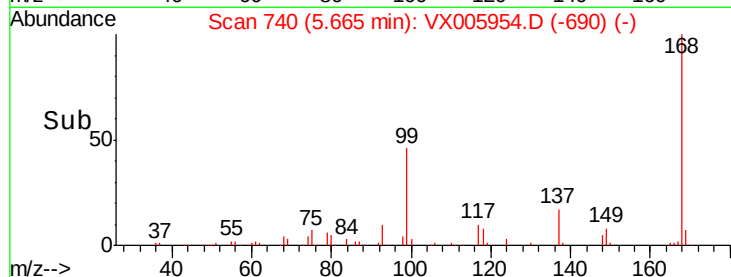
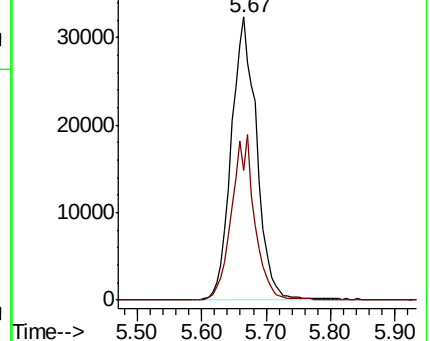
168 100

99 45.8 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.409 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX005954.D

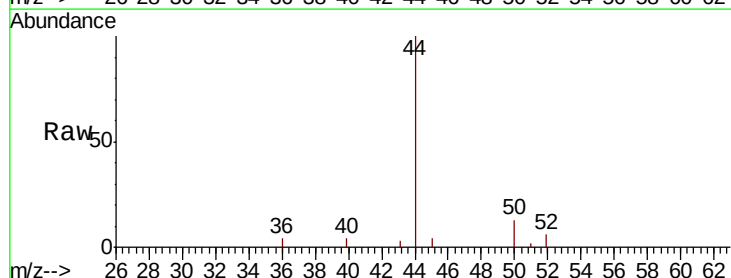
Acq: 13 Nov 2018 17:40

Tgt Ion: 50 Resp: 433

Ion Ratio Lower Upper

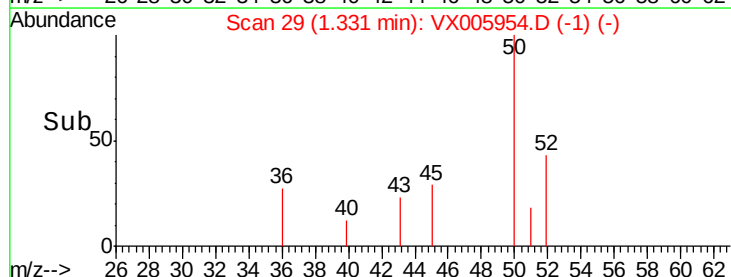
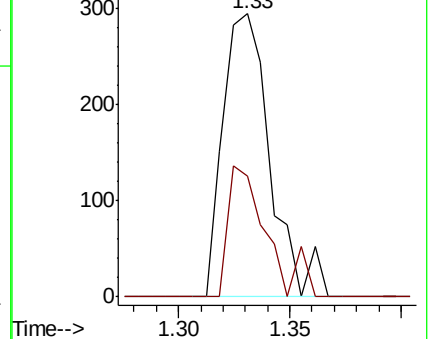
50 100

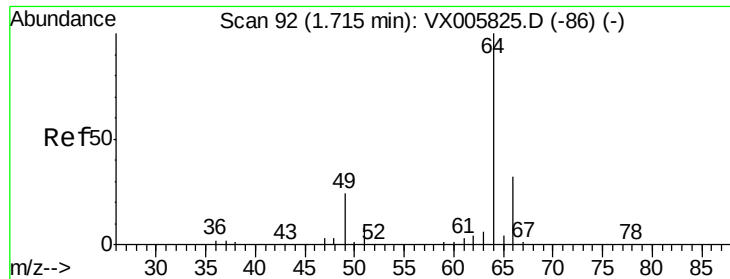
52 42.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.213 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

Instrument :

MSVOA_X

ClientSampled :

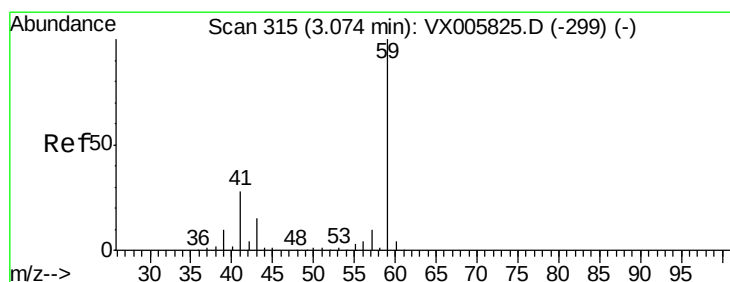
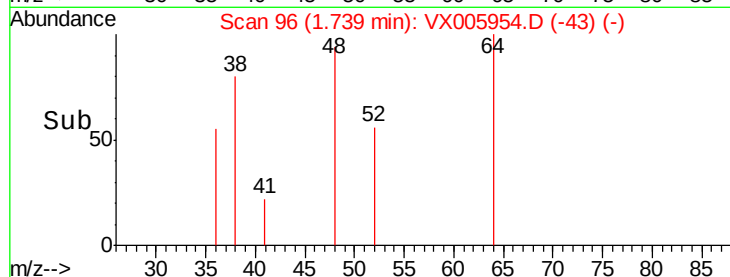
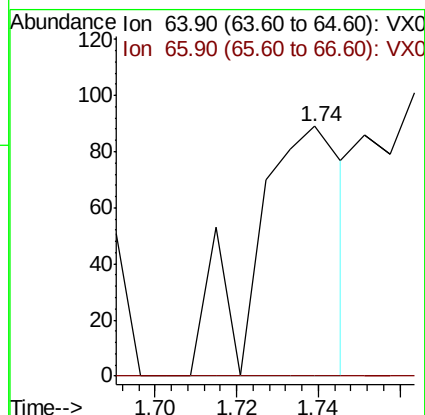
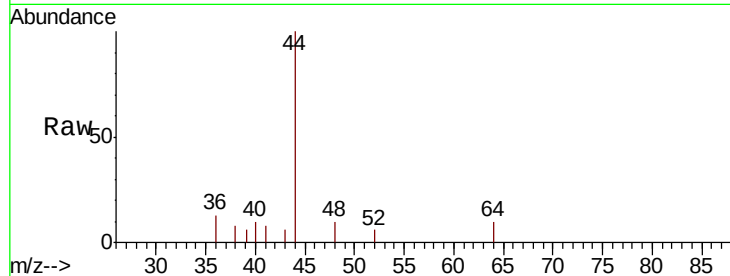
SR-6-S

Tot Ion: 64 Resp: 135

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



#11

Tert butyl alcohol

Concen: 4.336 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.06 min

Lab File: VX005954.D

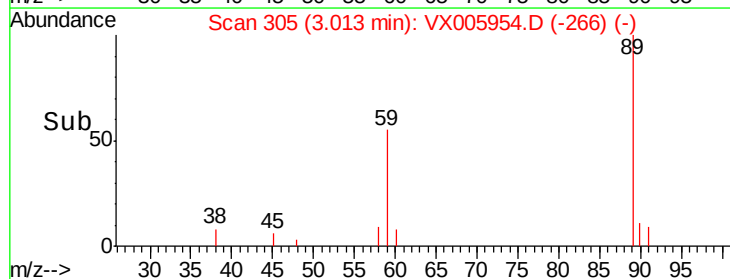
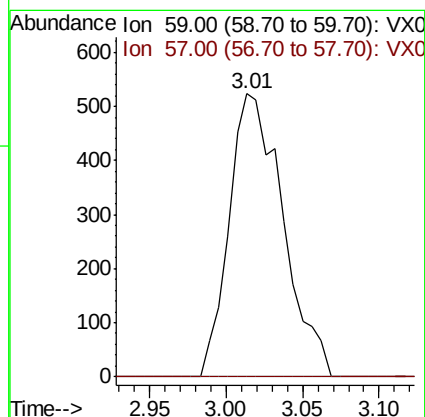
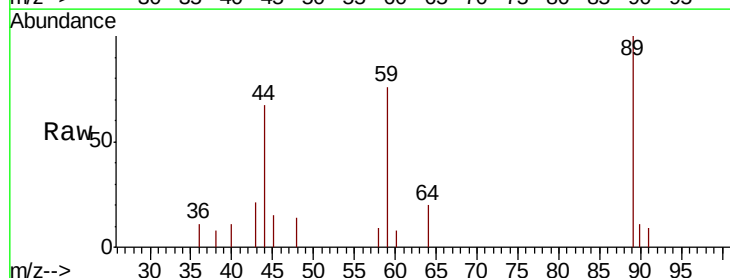
Acq: 13 Nov 2018 17:40

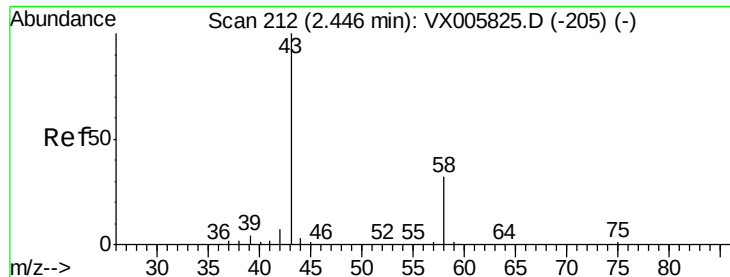
Tgt Ion: 59 Resp: 1279

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#16

Acetone

Concen: 8.249 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

Instrument :

MSVOA_X

ClientSampleId :

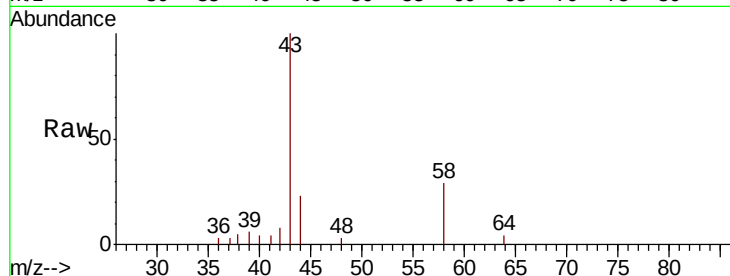
SR-6-S

Tot Ion: 43 Resp: 4573

Ion Ratio Lower Upper

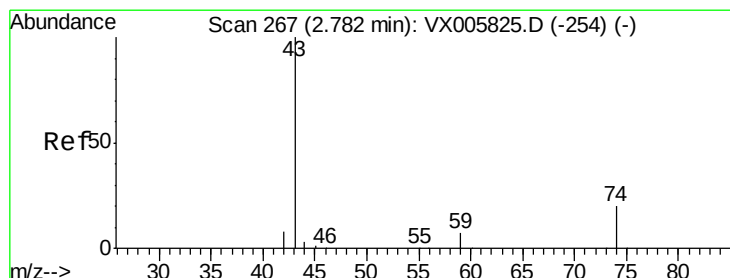
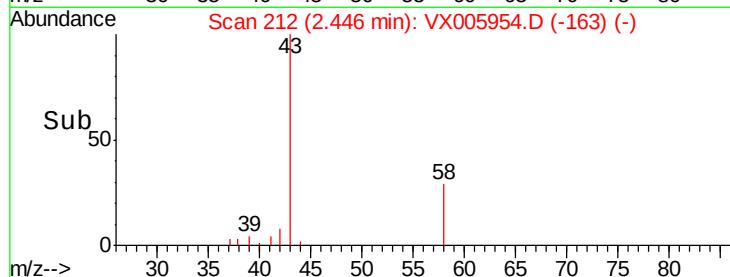
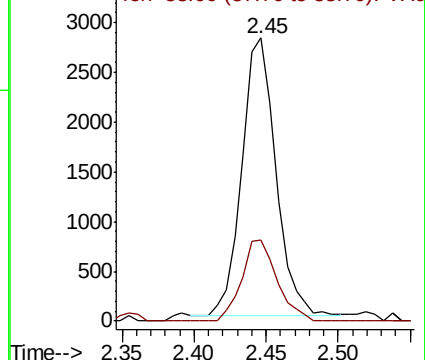
43 100

58 29.2 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: 0.725 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005954.D

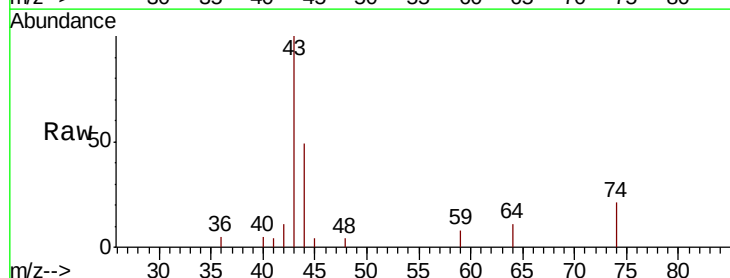
Acq: 13 Nov 2018 17:40

Tgt Ion: 43 Resp: 3249

Ion Ratio Lower Upper

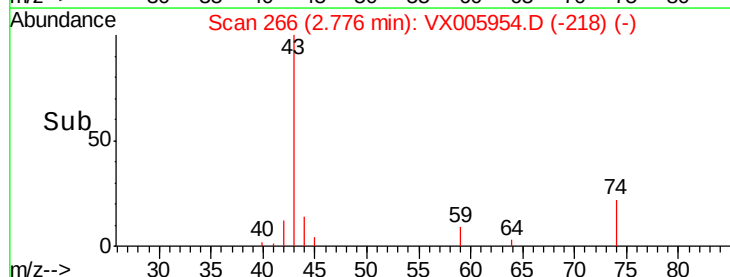
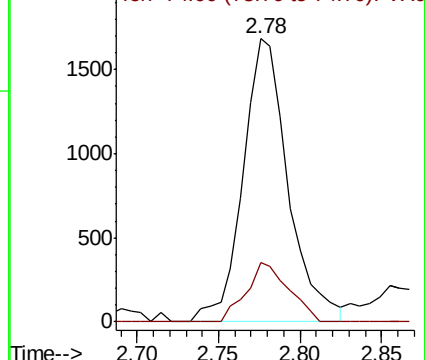
43 100

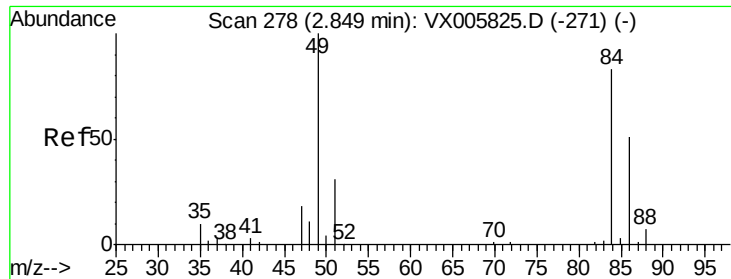
74 19.7 16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

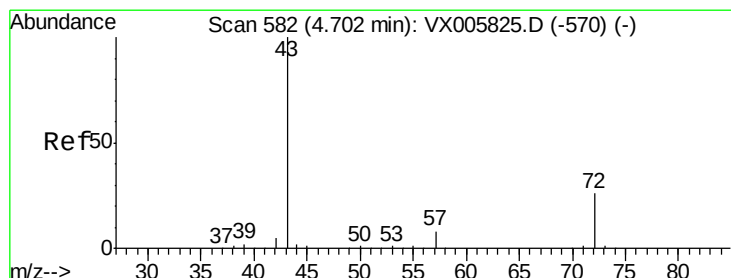
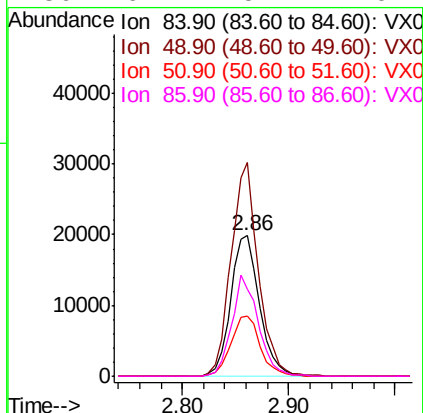
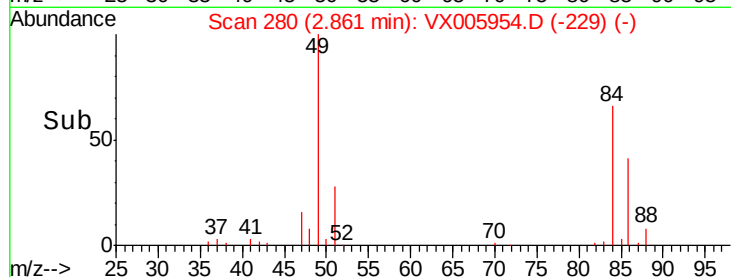
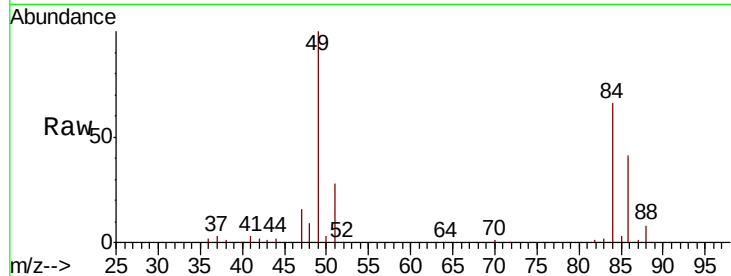




#20
Methvlene Chloride
Concen: 41.339 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

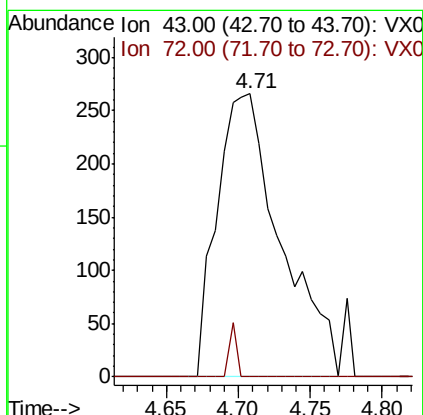
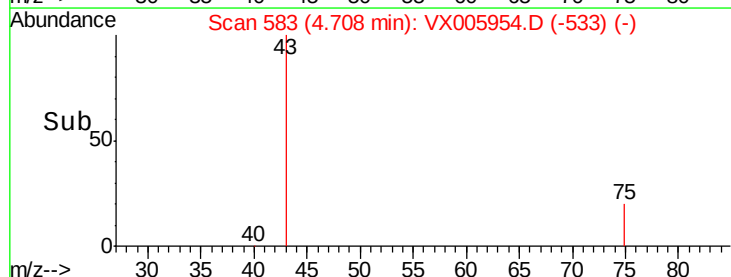
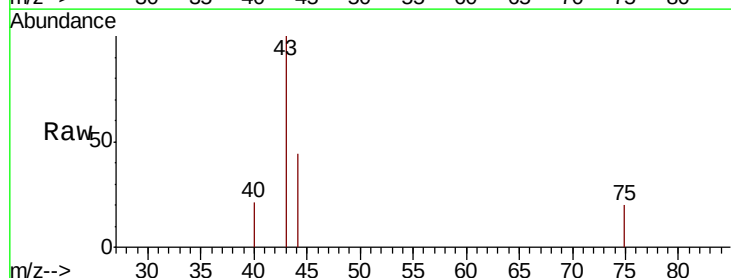
Instrument :
MSVOA_X
ClientSampled :
SR-6-S

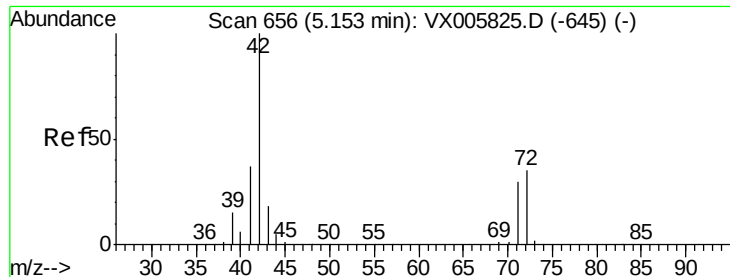
Tot Ion:	84	Resp:	37645
Ion	Ratio	Lower	Upper
84	100		
49	152.3	109.5	164.3
51	43.2	33.3	49.9
86	62.2	52.7	79.1



#25
2-Butanone
Concen: 0.941 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Tgt Ion:	43	Resp:	820
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.2	28.8#

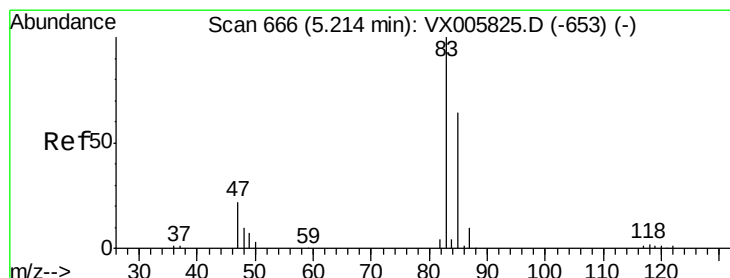
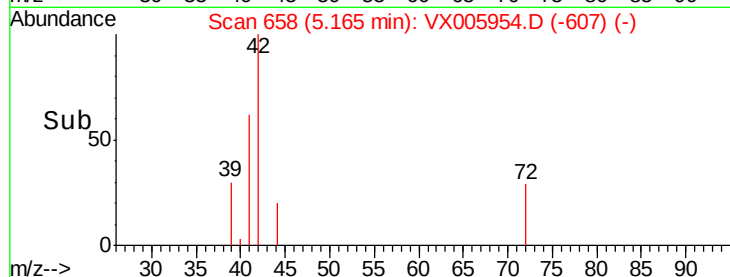
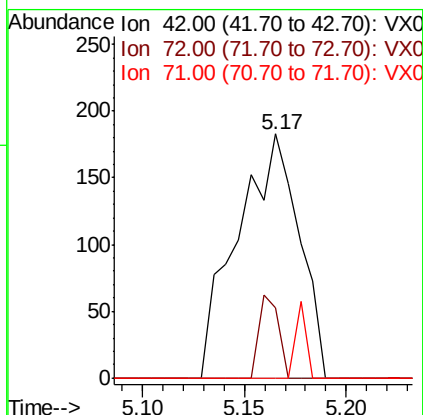
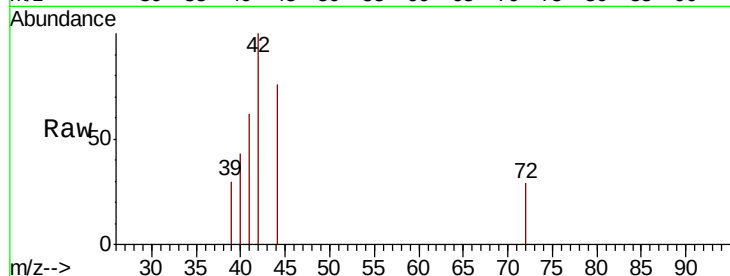




#29
Tetrahydrofuran
Concen: 0.690 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

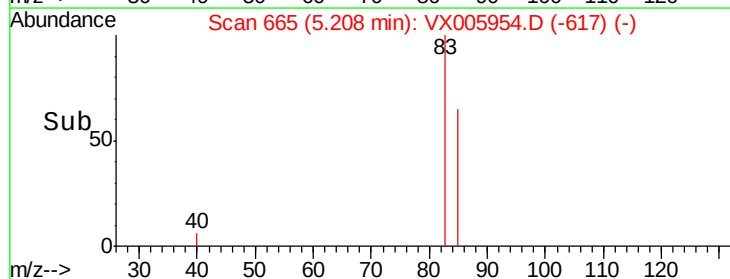
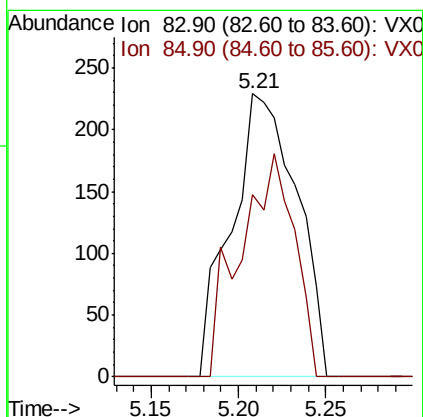
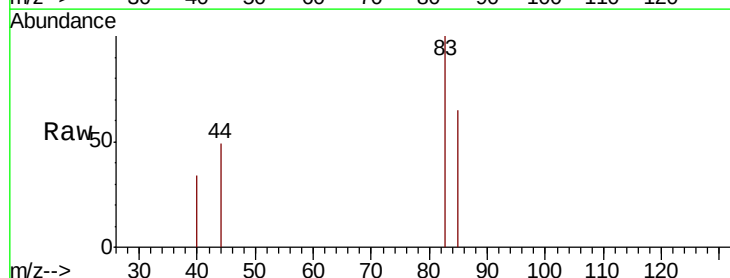
Instrument :
MSVOA_X
ClientSampleId :
SR-6-S

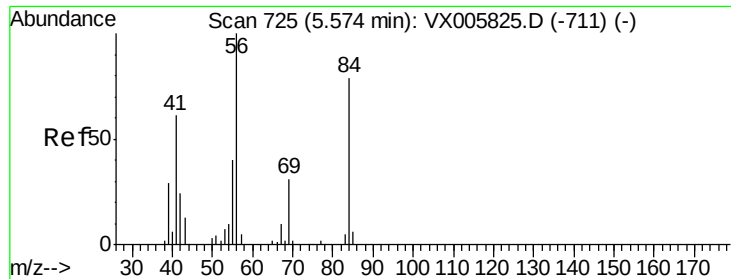
Tot Ion: 42 Resp: 386
Ion Ratio Lower Upper
42 100
72 10.9 32.0 48.0#
71 5.4 29.8 44.8#



#30
Chloroform
Concen: 0.377 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Tgt Ion: 83 Resp: 601
Ion Ratio Lower Upper
83 100
85 64.6 50.6 76.0

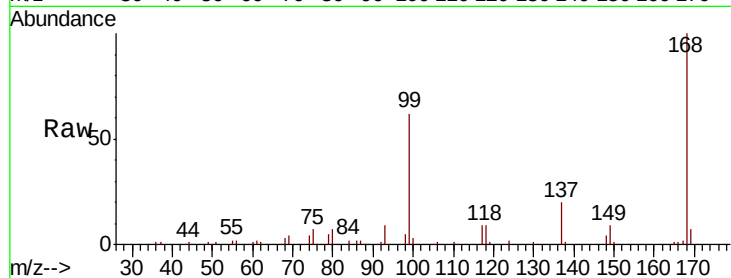




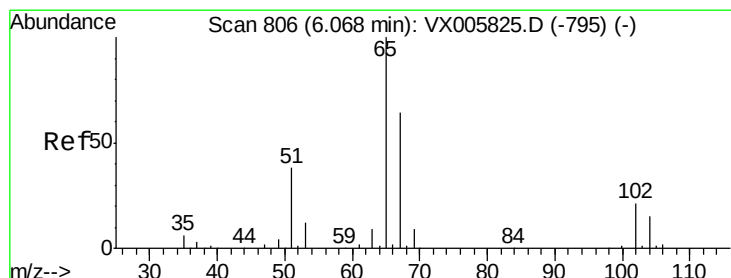
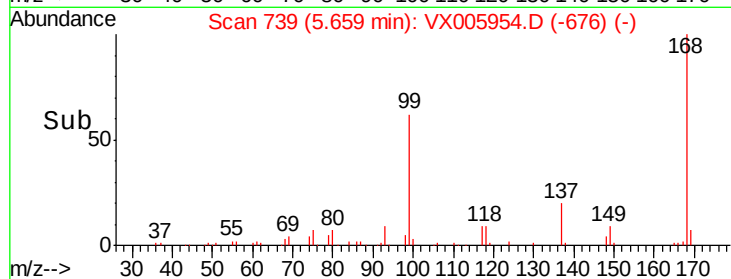
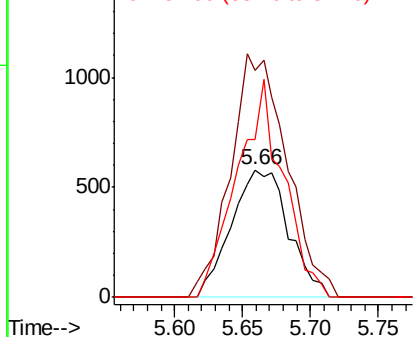
#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Instrument :
MSVOA_X
ClientSampled :
SR-6-S

Tot Ion: 56 Resp: 1709
Ion Ratio Lower Upper
56 100
69 177.6 22.6 34.0#
84 124.1 62.7 94.1#

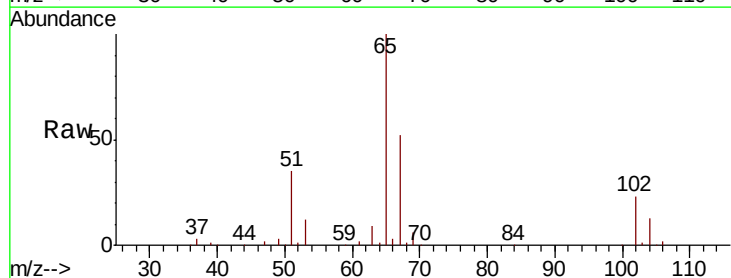


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

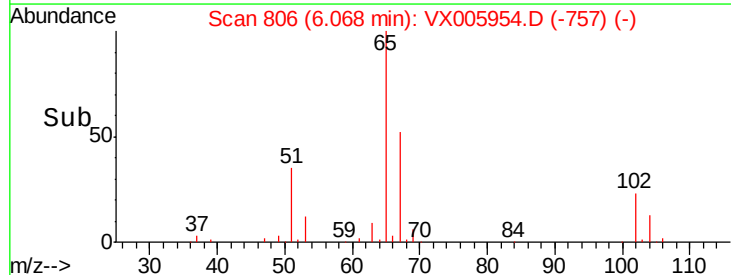
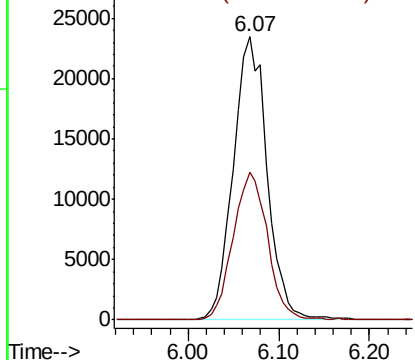


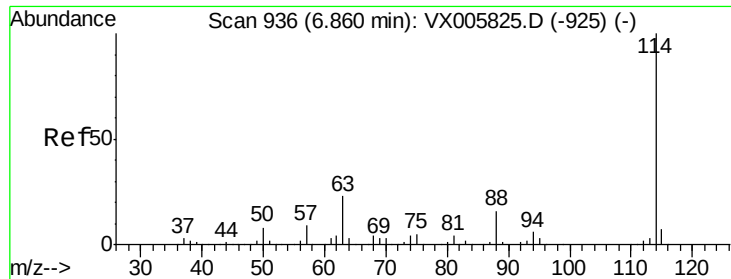
#33
1,2-Dichloroethane-d4
Concen: 58.808 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Tgt Ion: 65 Resp: 60550
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

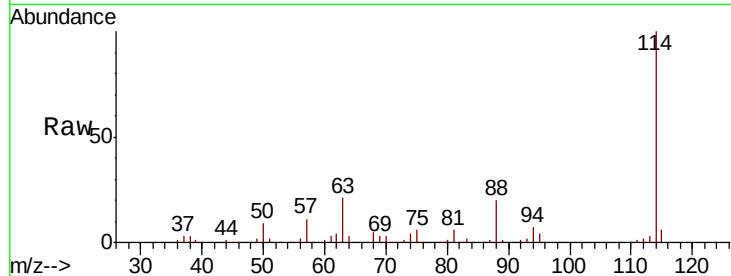




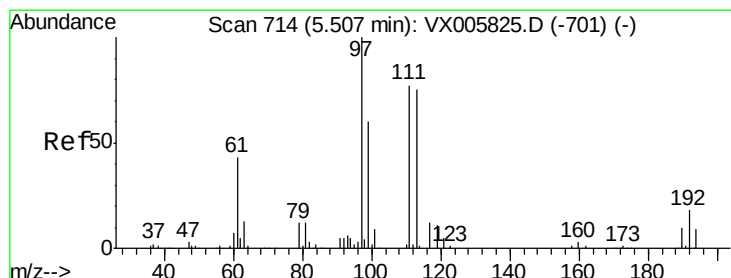
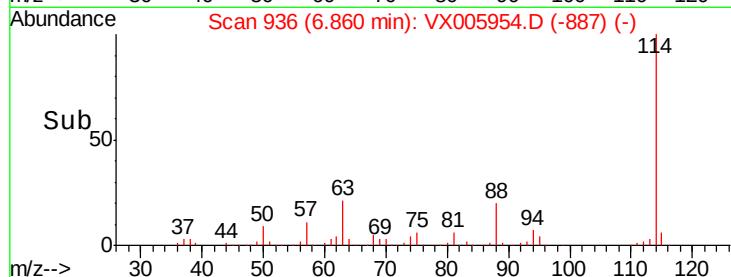
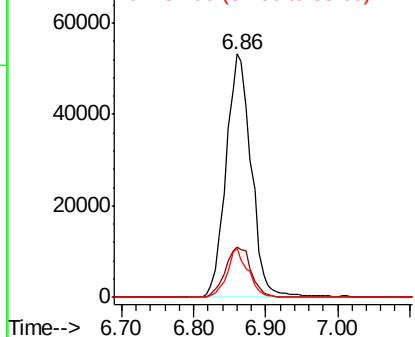
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Instrument :
MSVOA_X
ClientSampleId :
SR-6-S

Tot Ion:114 Resp: 130004
Ion Ratio Lower Upper
114 100
63 20.5 0.0 42.8
88 20.4 0.0 31.2

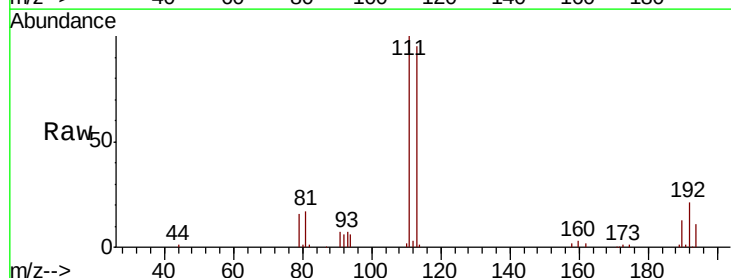


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

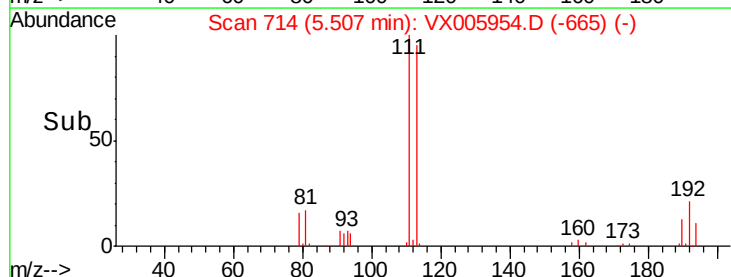
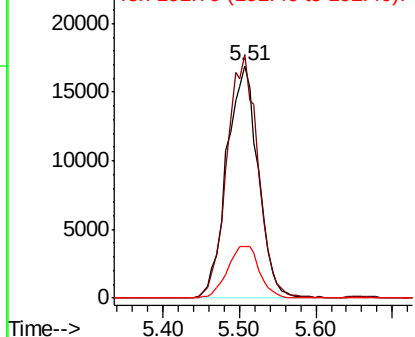


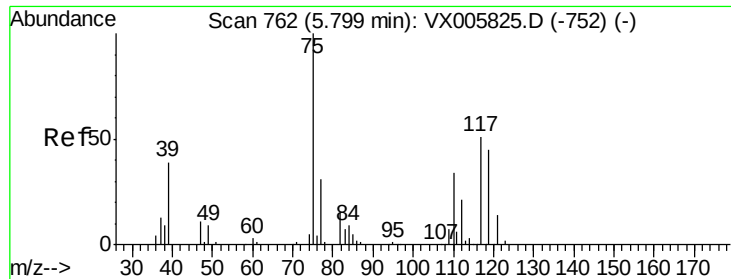
#35
Dibromofluoromethane
Concen: 54.544 ug/l
RT: 5.51 min Scan# 714
Delta R.T. 0.00 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Tgt Ion:113 Resp: 48229
Ion Ratio Lower Upper
113 100
111 103.1 82.3 123.5
192 22.7 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

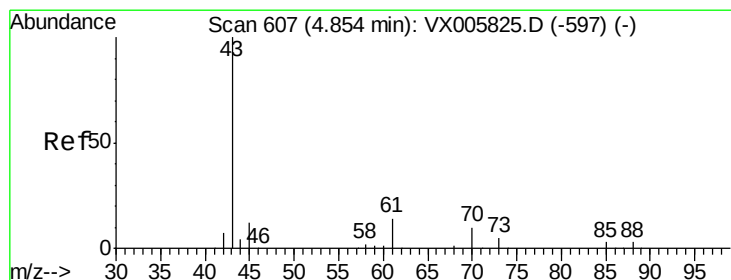
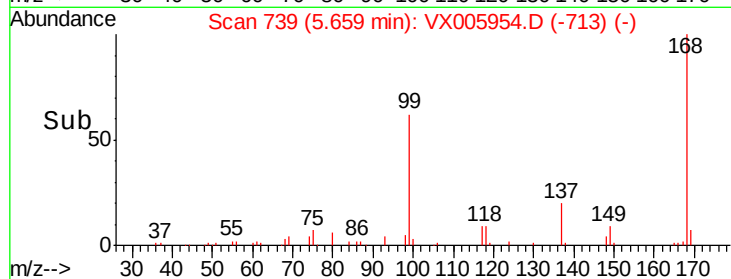
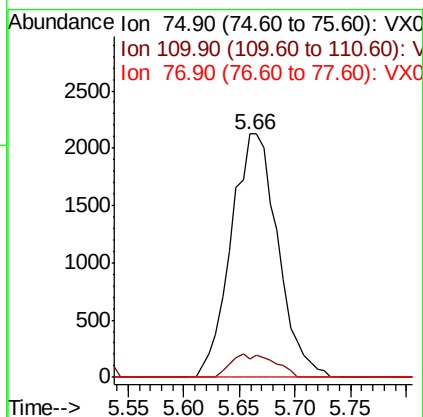
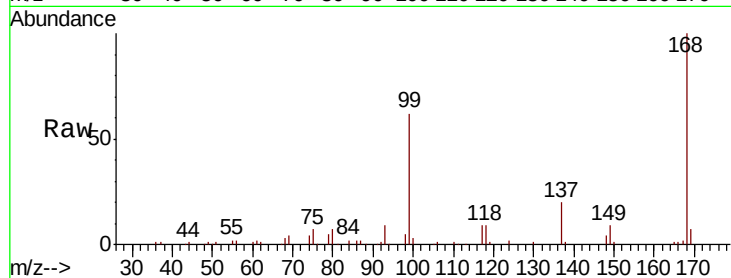




#36
 1,1-Dichloropropene
 Concen: 4.951 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX005954.D
 Acq: 13 Nov 2018 17:40

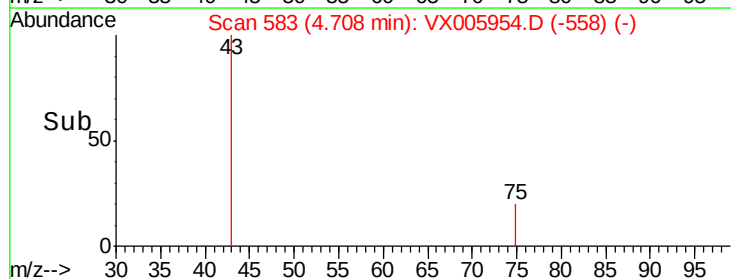
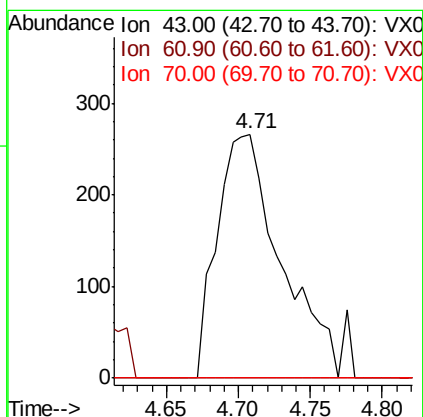
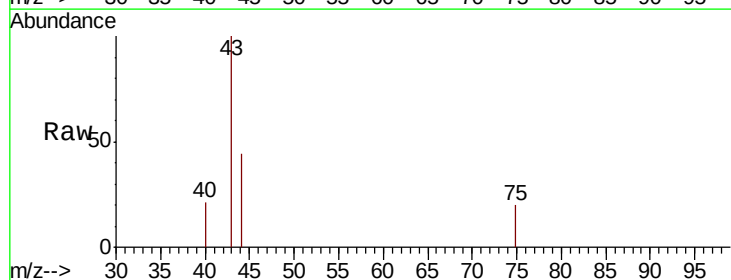
Instrument :
 MSVOA_X
 ClientSampled :
 SR-6-S

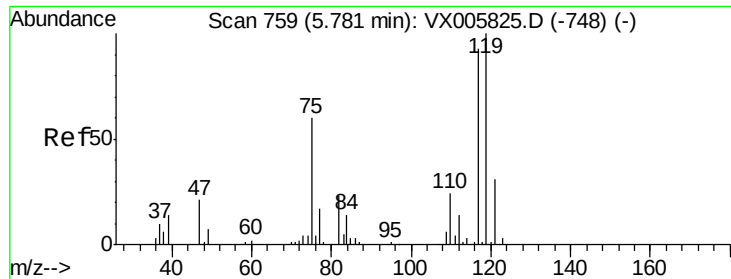
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.4	52.2#
77	0.0	25.8	38.6#



#37
 Ethyl Acetate
 Concen: 0.498 ug/l
 RT: 4.71 min Scan# 583
 Delta R.T. -0.15 min
 Lab File: VX005954.D
 Acq: 13 Nov 2018 17:40

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.8	16.2#
70	0.0	7.8	11.8#

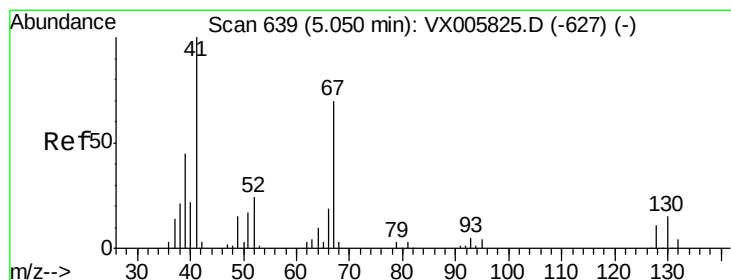
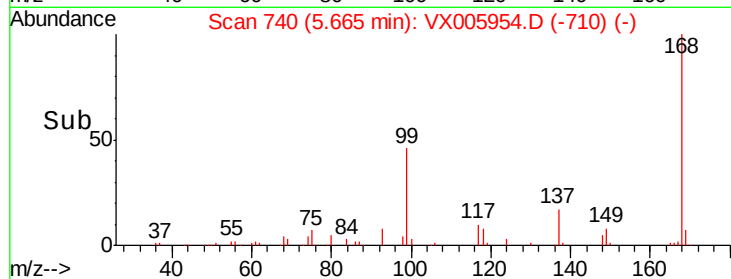
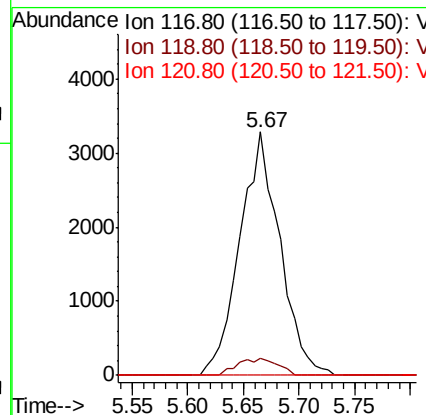
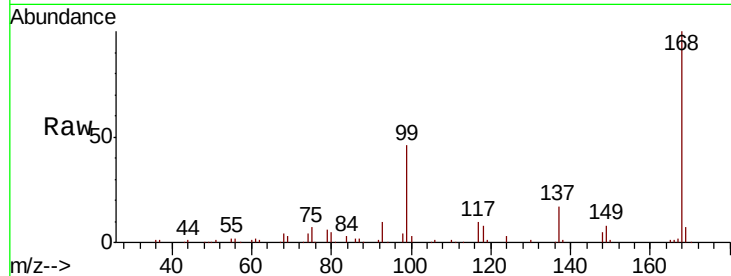




#38
Carbon Tetrachloride
Concen: 6.536 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

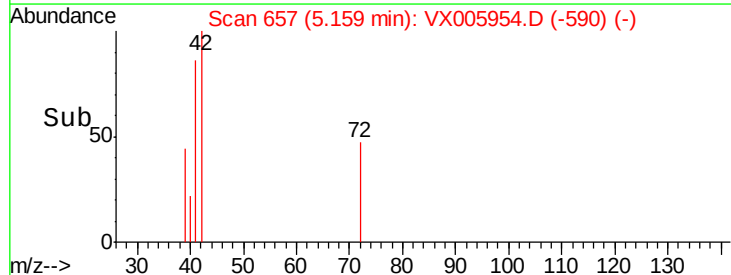
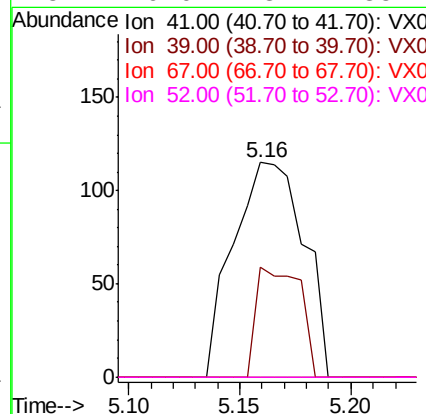
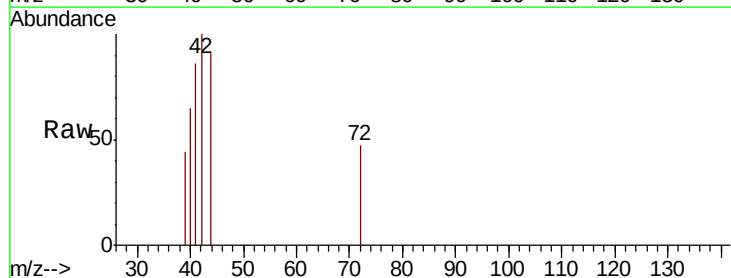
Instrument :
MSVOA_X
ClientSampleId :
SR-6-S

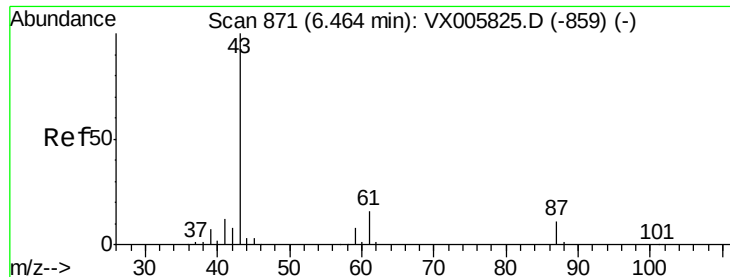
Tot Ion:117 Resp: 8201
Ion Ratio Lower Upper
117 100
119 7.2 78.1 117.1#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.285 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.11 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Tgt Ion: 41 Resp: 254
Ion Ratio Lower Upper
41 100
39 31.5 42.2 63.2#
67 0.0 53.4 80.0#
52 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 28.022 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

Instrument :

MSVOA_X

ClientSampled :

SR-6-S

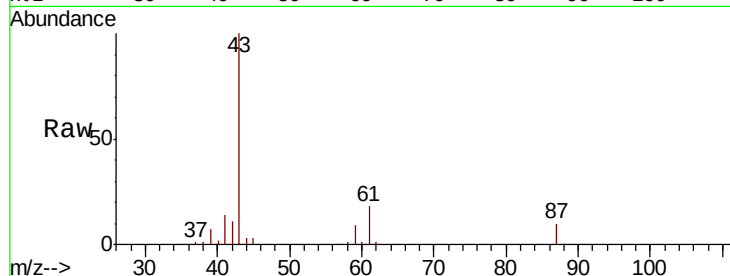
Tot Ion: 43 Resp: 66918

Ion Ratio Lower Upper

43 100

61 18.3 14.6 22.0

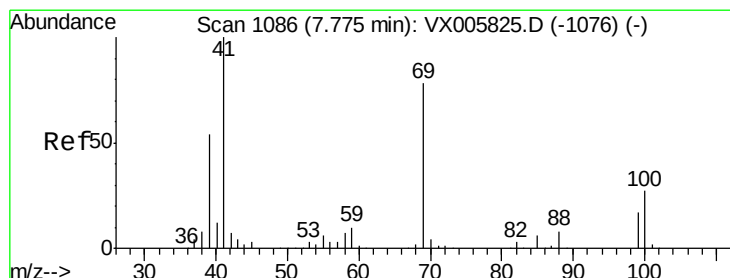
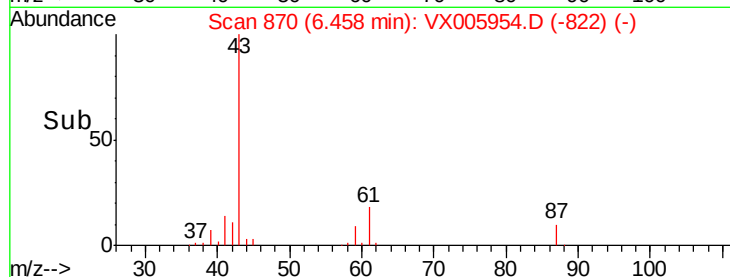
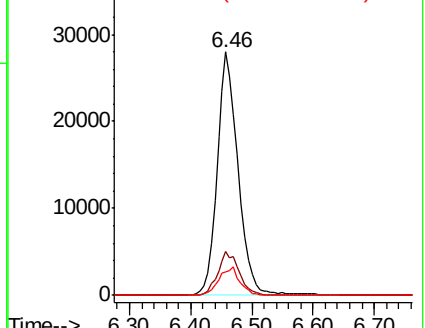
87 11.7 9.6 14.4



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

Methyl methacrylate

Concen: 2.220 ug/l

RT: 7.68 min Scan# 1071

Delta R.T. -0.09 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

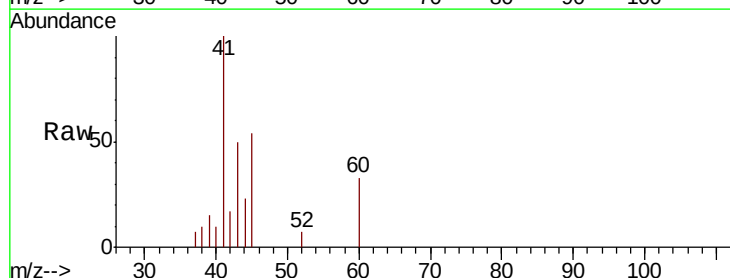
Tgt Ion: 41 Resp: 2380

Ion Ratio Lower Upper

41 100

69 0.0 63.2 94.8#

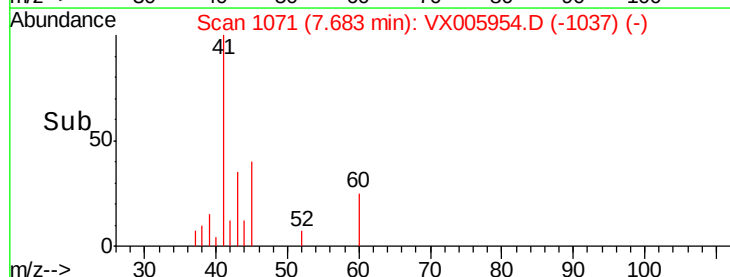
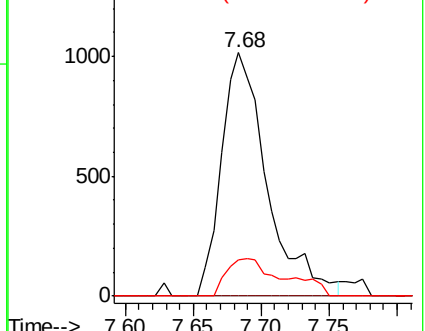
39 19.1 42.2 63.2#

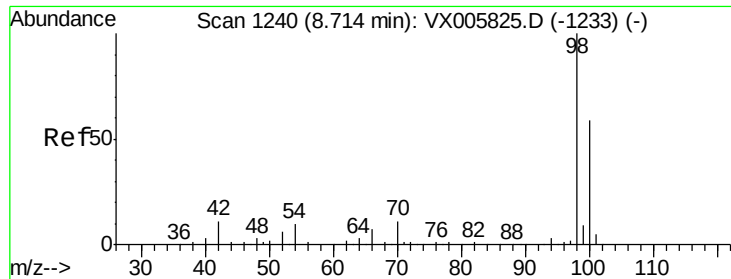


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

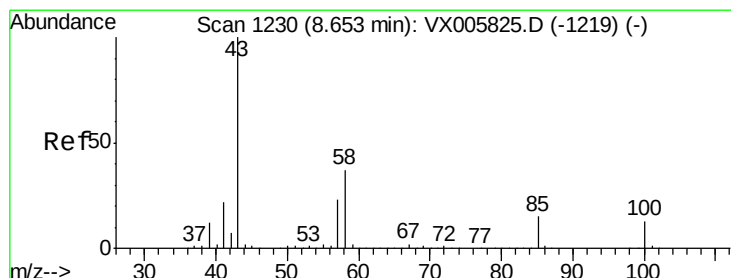
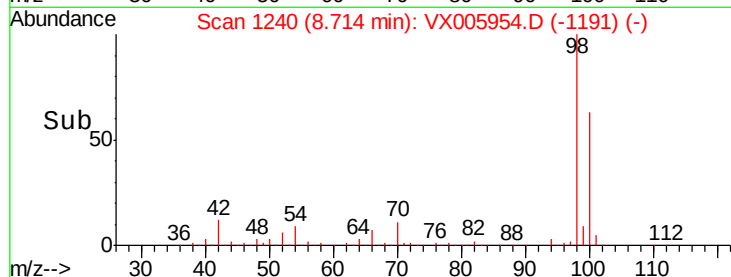
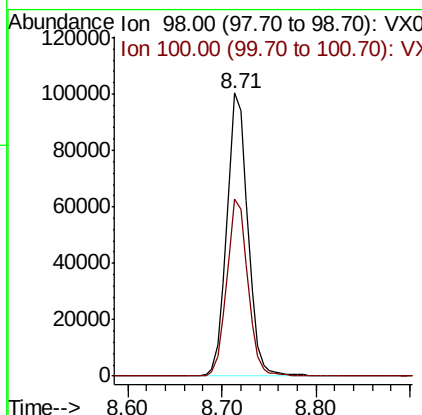
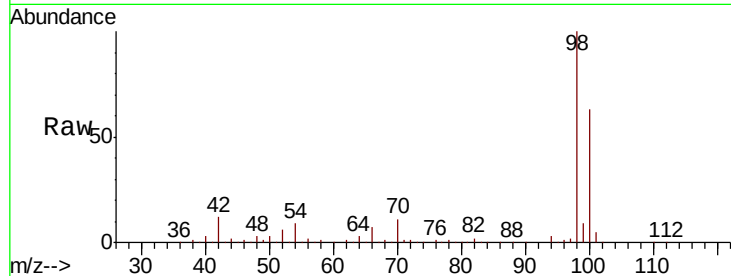




#50
Toluene-d8
Concen: 53.116 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

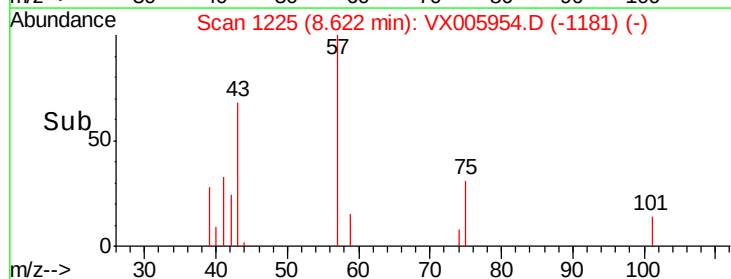
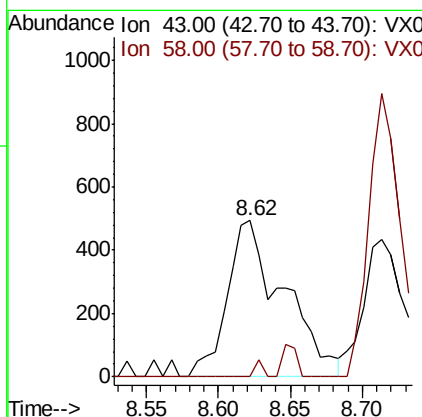
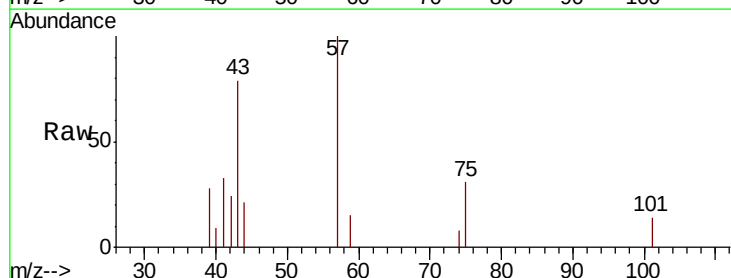
Instrument :
MSVOA_X
ClientSampleId :
SR-6-S

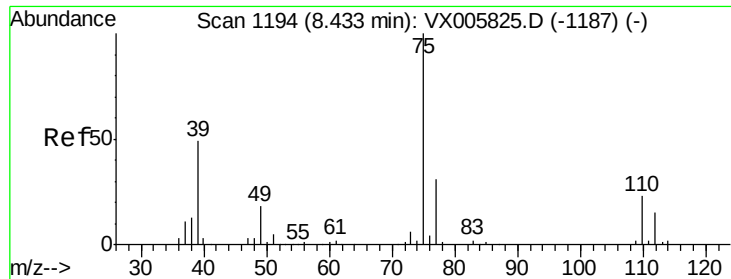
Tot Ion: 98 Resp: 156144
Ion Ratio Lower Upper
98 100
100 62.9 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.902 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#

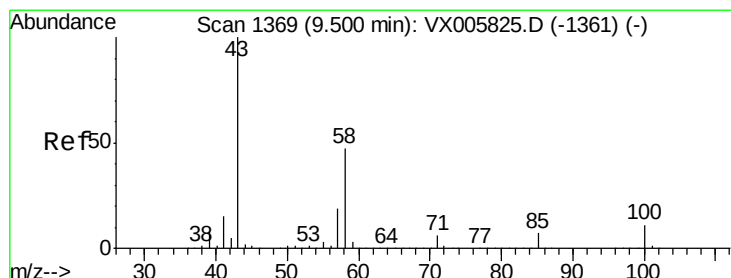
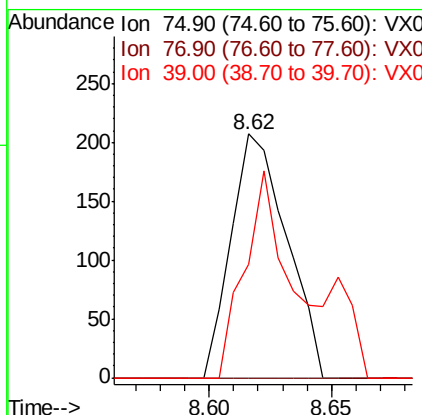
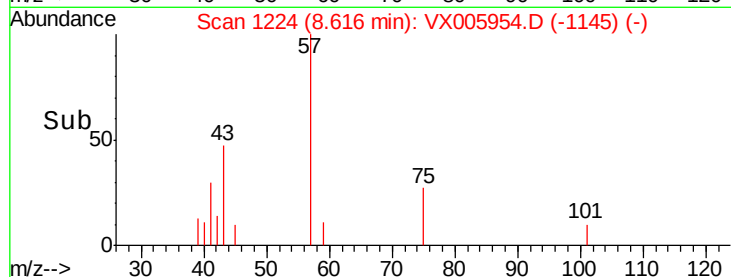
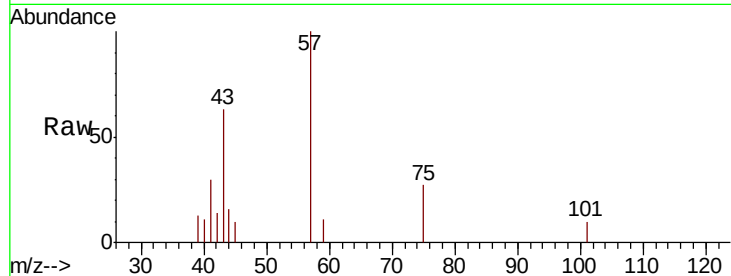




#54
 cis-1,3-Dichloropropene
 Concen: 0.258 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX005954.D
 Acq: 13 Nov 2018 17:40

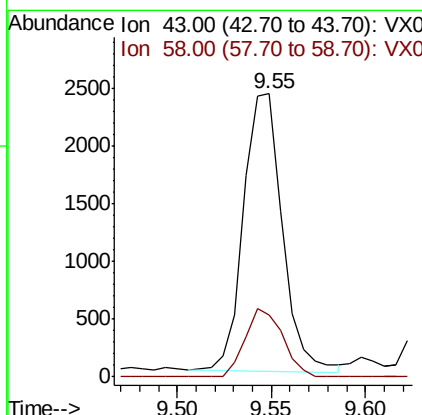
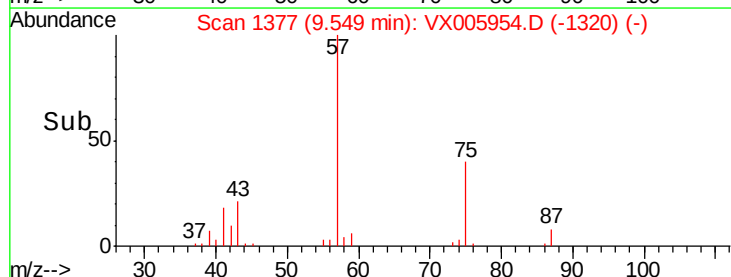
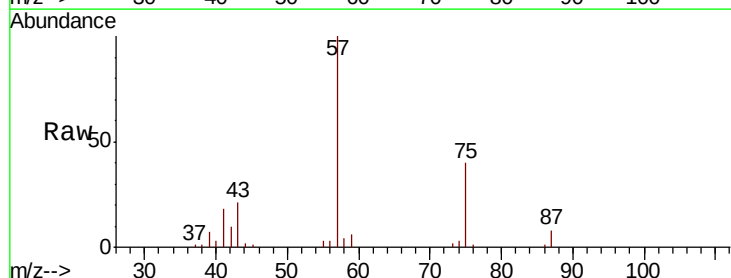
Instrument :
 MSVOA_X
 ClientSampled :
 SR-6-S

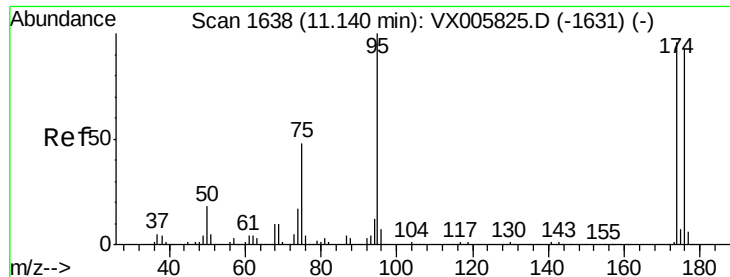
Tot Ion: 75 Resp: 326
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 46.4 38.2 57.2



#59
 2-Hexanone
 Concen: 2.591 ug/l
 RT: 9.55 min Scan# 1377
 Delta R.T. 0.05 min
 Lab File: VX005954.D
 Acq: 13 Nov 2018 17:40

Tgt Ion: 43 Resp: 3437
 Ion Ratio Lower Upper
 43 100
 58 23.7 25.9 77.8#

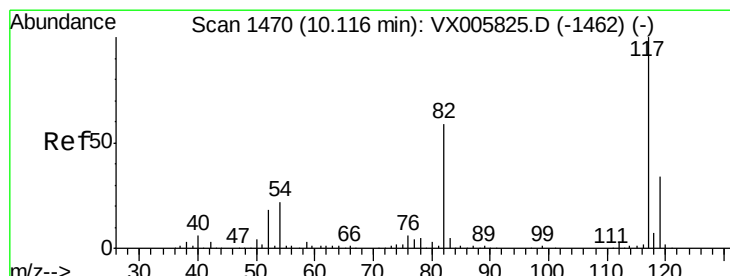
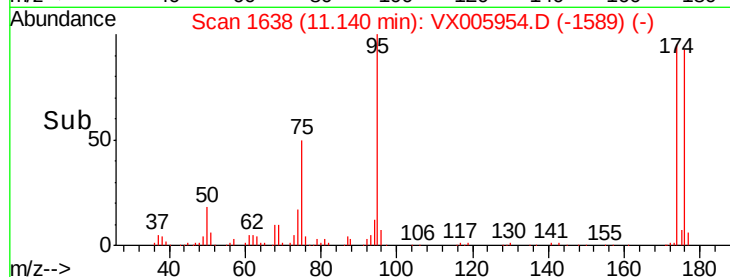
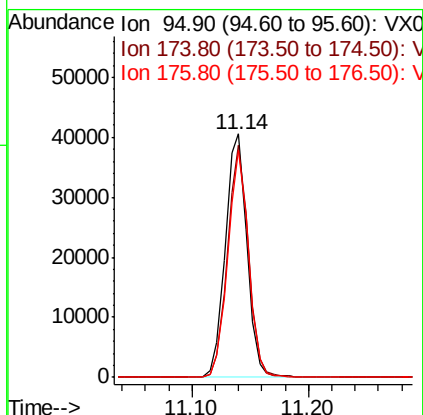
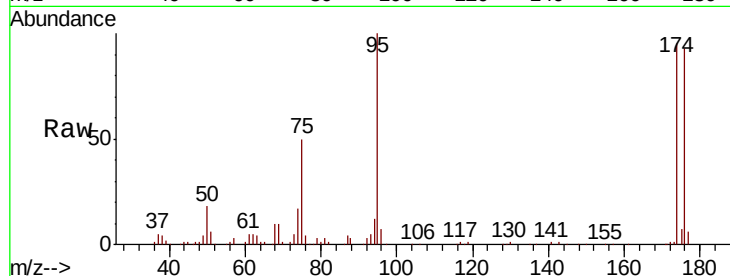




#62
4-Bromofluorobenzene
Concen: 49.281 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

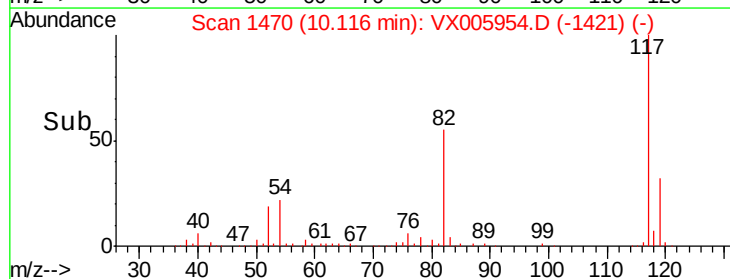
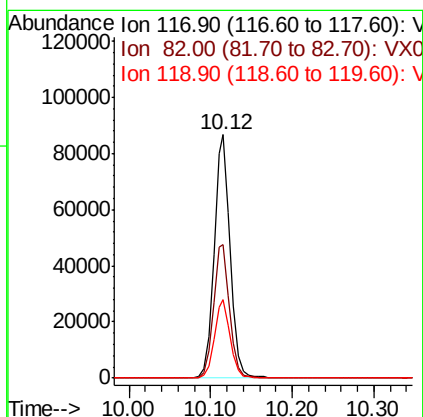
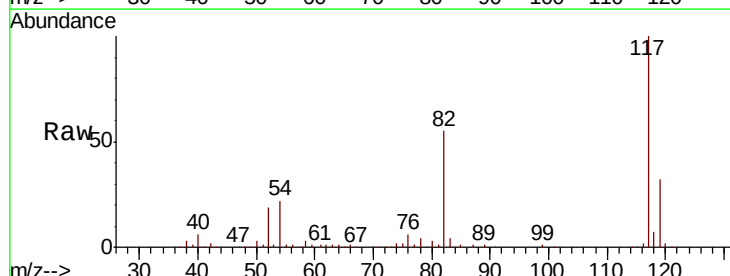
Instrument :
MSVOA_X
ClientSampled :
SR-6-S

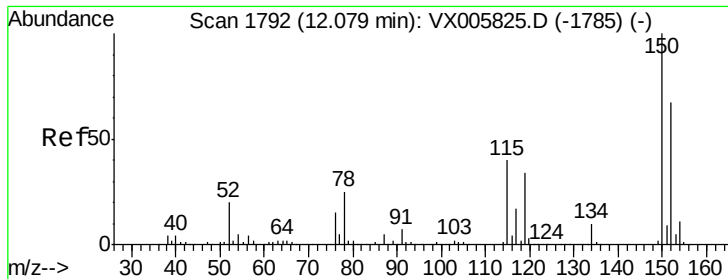
Tot Ion: 95 Resp: 52086
Ion Ratio Lower Upper
95 100
174 92.9 0.0 184.4
176 89.8 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Tgt Ion: 117 Resp: 120179
Ion Ratio Lower Upper
117 100
82 54.6 44.1 66.1
119 32.4 26.2 39.2

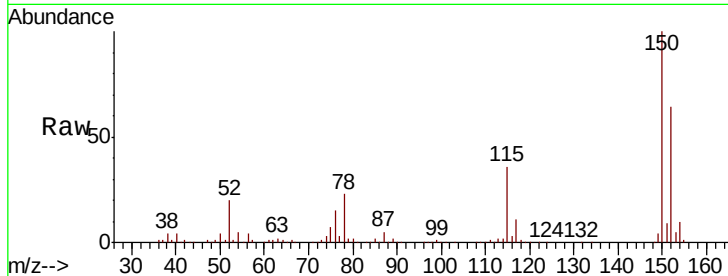




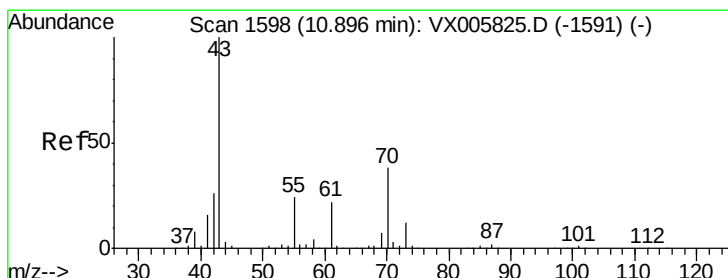
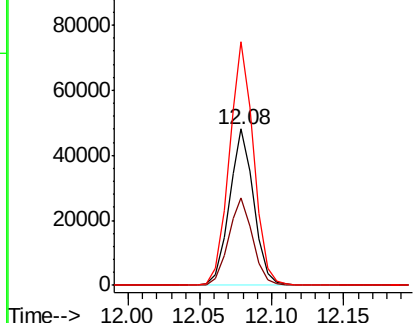
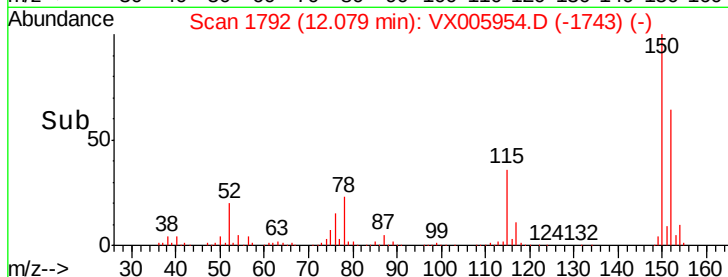
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX005954.D
 Acq: 13 Nov 2018 17:40

Instrument :
 MSVOA_X
 ClientSampleId :
 SR-6-S

Tot Ion:152 Resp: 56864
 Ion Ratio Lower Upper
 152 100
 115 55.7 39.4 118.1
 150 156.1 0.0 346.4

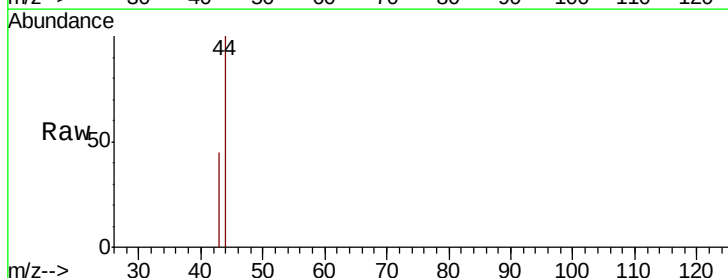


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

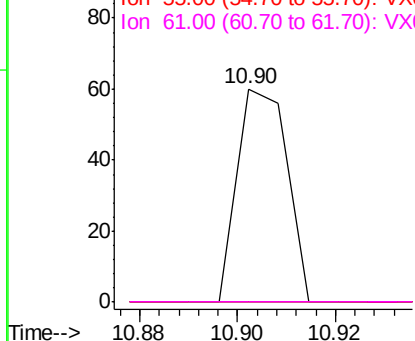
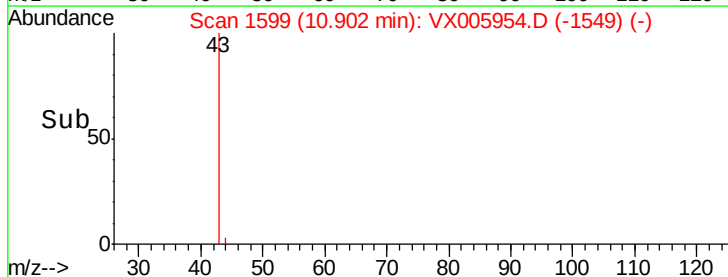


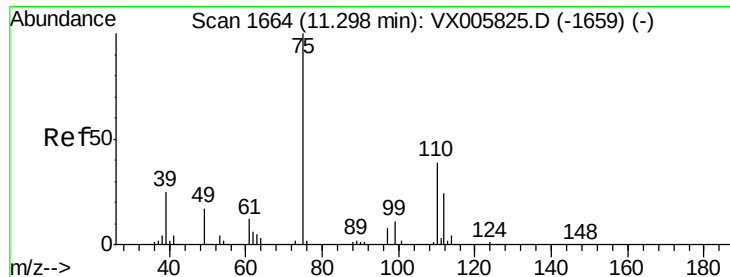
#74
 N-amil acetate
 Concen: 1.273 ug/l
 RT: 10.90 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VX005954.D
 Acq: 13 Nov 2018 17:40

Tgt Ion: 43 Resp: 42
 Ion Ratio Lower Upper
 43 100
 70 0.0 31.6 47.4#
 55 0.0 19.7 29.5#
 61 0.0 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 70.00 (69.70 to 70.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 23.369 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

Instrument :

MSVOA_X

ClientSampleId :

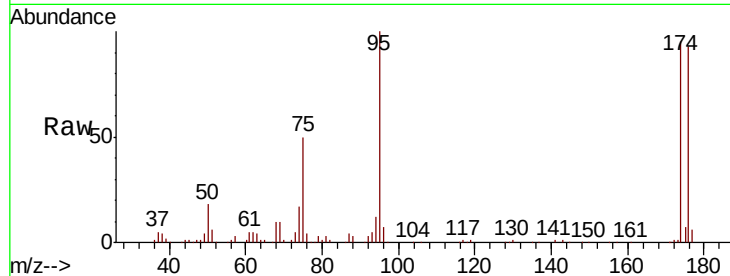
SR-6-S

Tot Ion: 75 Resp: 27058

Ion Ratio Lower Upper

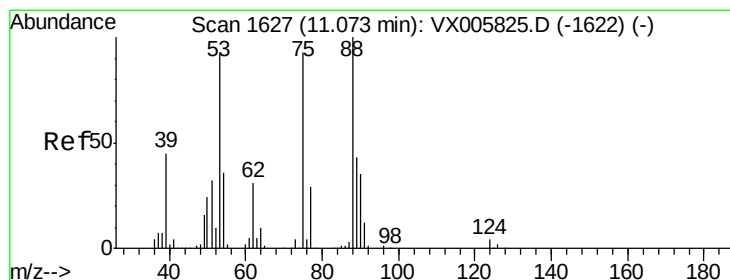
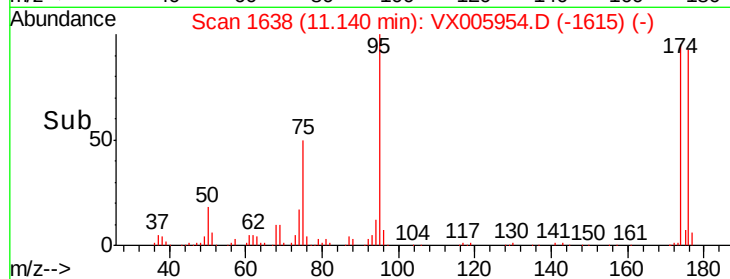
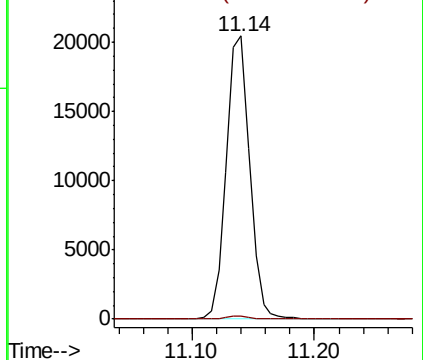
75 100

77 1.1 20.5 61.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 74.480 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005954.D

Acq: 13 Nov 2018 17:40

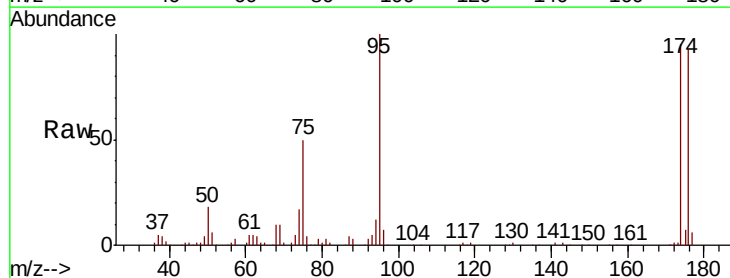
Tgt Ion: 75 Resp: 27058

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

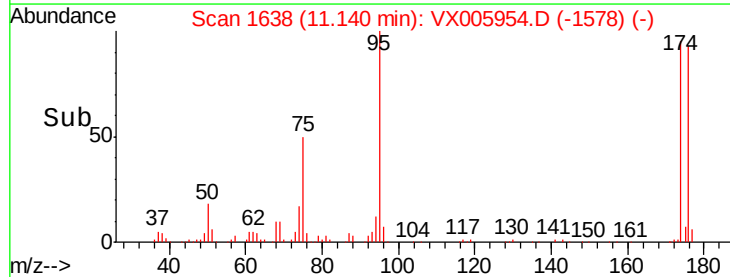
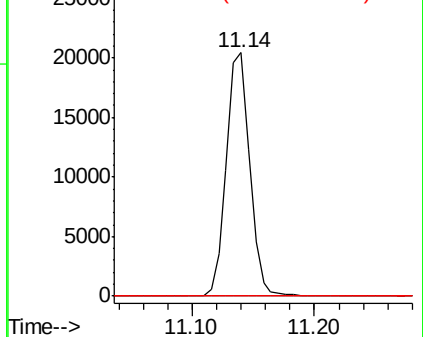
89 0.0 39.8 59.8#

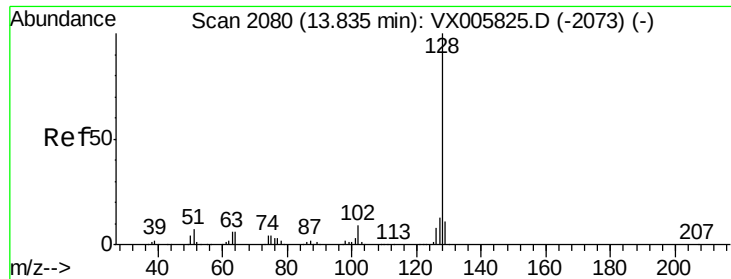


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

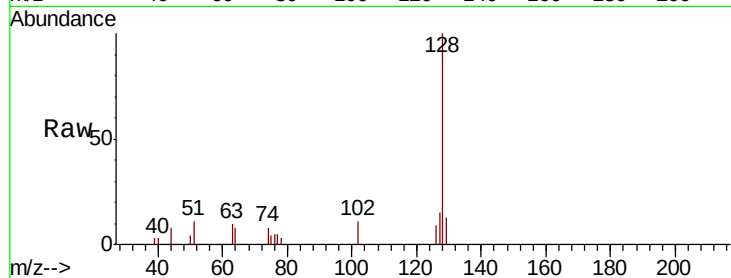




#95
Naphthalene
Concen: 1.744 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005954.D
Acq: 13 Nov 2018 17:40

Instrument :
MSVOA_X
ClientSampleId :
SR-6-S

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.4	15.6
129	10.1	8.7	13.1



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

