

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX111318\
 Data File : VX005956.D
 Acq On : 13 Nov 2018 18:34
 Operator : JC/MD
 Sample : J5908-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SR-8

Quant Time: Nov 14 03:28:15 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	5.66	168	92029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	137333	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	123199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	59282	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	62867	59.42	ug/l	0.00
Spiked Amount			Recovery	=	118.84%	
35) Dibromofluoromethane	5.51	113	47927	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
50) Toluene-d8	8.71	98	159874	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	
62) 4-Bromofluorobenzene	11.14	95	54163	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	

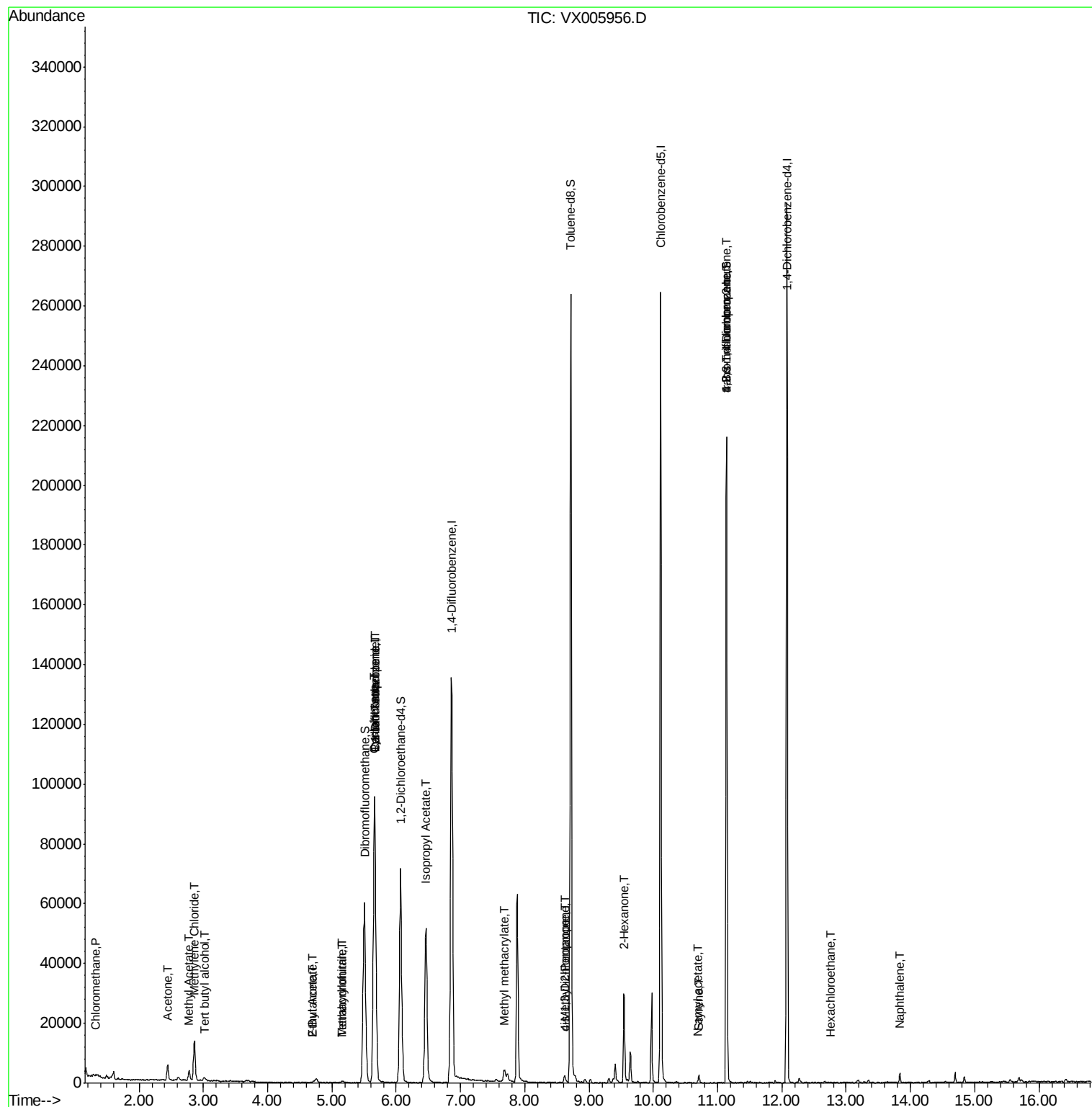
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	330	0.303	ug/l #	87
11) Tert butyl alcohol	3.03	59	764	2.521	ug/l #	72
16) Acetone	2.45	43	5227	9.176	ug/l	97
18) Methyl Acetate	2.78	43	4409	1.448	ug/l	95
20) Methylene Chloride	2.86	84	5763	6.159	ug/l	96
25) 2-Butanone	4.70	43	867	0.968	ug/l #	51
29) Tetrahydrofuran	5.15	42	451	0.784	ug/l #	45
31) Cyclohexane	5.65	56	1838	1.247	ug/l #	28
36) 1,1-Dichloropropene	5.67	75	6639	5.015	ug/l #	50
37) Ethyl Acetate	4.70	43	867	0.498	ug/l #	69
38) Carbon Tetrachloride	5.67	117	8330	6.285	ug/l #	16
41) Methacrylonitrile	5.15	41	295	0.314	ug/l #	44
43) Isopropyl Acetate	6.46	43	67742	26.853	ug/l	99
48) Methyl methacrylate	7.69	41	2440	2.154	ug/l #	25
51) 4-Methyl-2-Pentanone	8.62	43	1455	0.915	ug/l #	38
54) cis-1,3-Dichloropropene	8.62	75	341	0.255	ug/l #	74
59) 2-Hexanone	9.54	43	3967	2.831	ug/l #	53
70) Styrene	10.71	104	1071	0.480	ug/l #	83
74) N-amyl acetate	10.69	43	261	1.383	ug/l #	44
76) 1,2,3-Trichloropropane	11.14	75	27373	22.676	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	27373	72.274	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.80	105	145	Below Cal		75
90) Hexachloroethane	12.76	117	132	0.248	ug/l #	2
95) Naphthalene	13.83	128	1876	1.607	ug/l	98

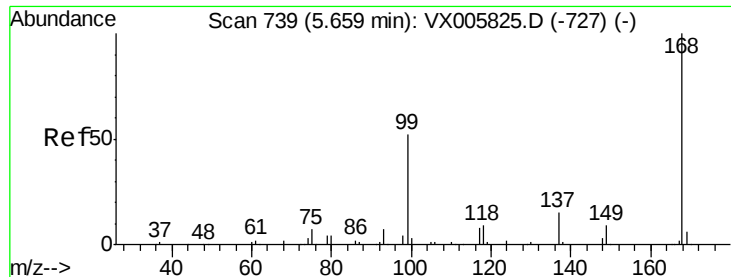
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 14 03:28:15 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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005956.D

Acq: 13 Nov 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

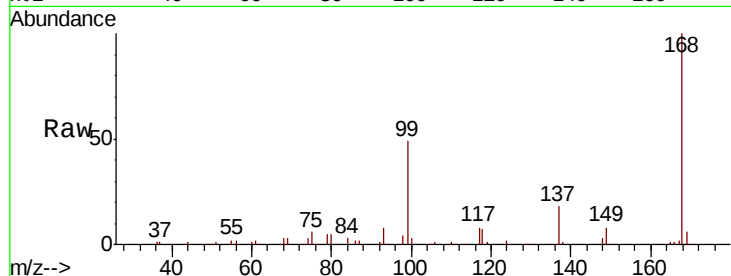
SR-8

Tot Ion:168 Resp: 92029

Ion Ratio Lower Upper

168 100

99 48.7 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

30000

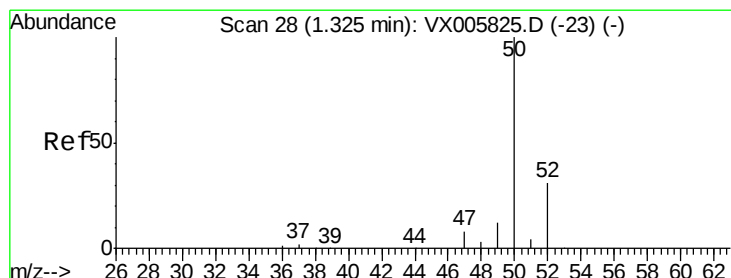
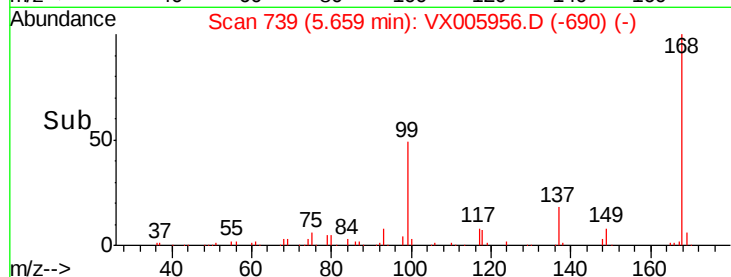
20000

10000

0

5.60 5.70 5.80

Time-->



#3

Chloromethane

Concen: 0.303 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005956.D

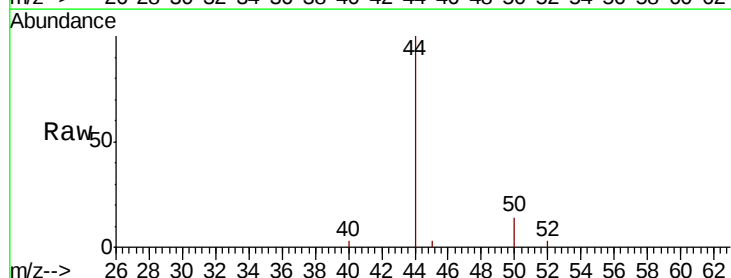
Acq: 13 Nov 2018 18:34

Tgt Ion: 50 Resp: 330

Ion Ratio Lower Upper

50 100

52 25.2 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

300

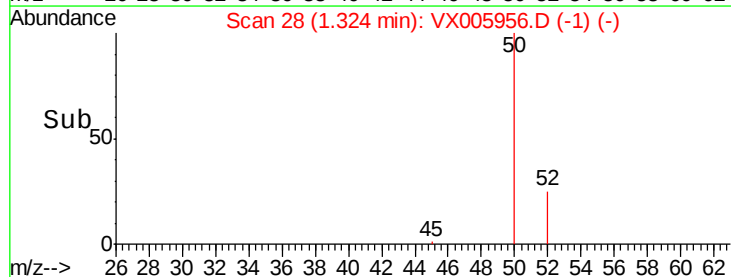
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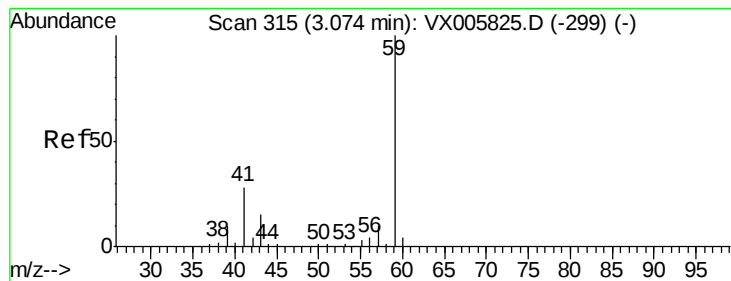
100

0

1.30 1.35

Time-->



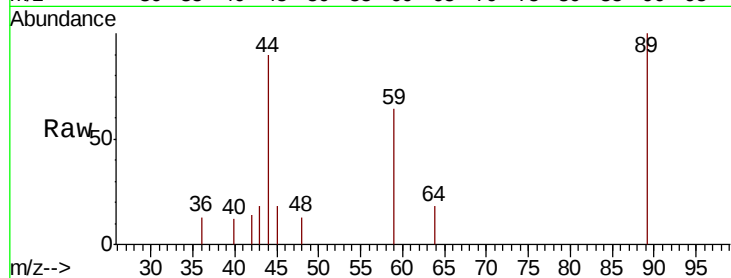


#11

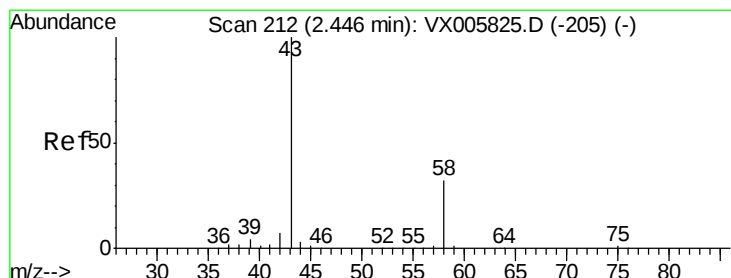
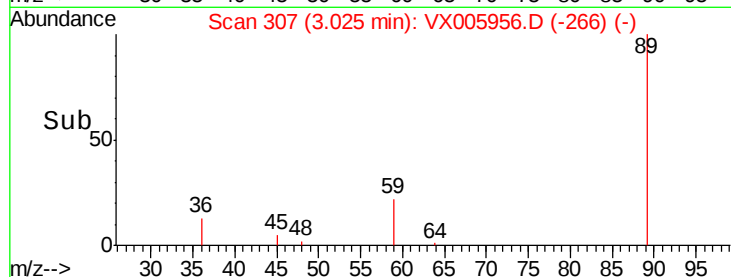
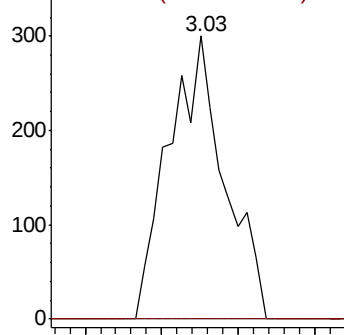
Tert butyl alcohol
 Concen: 2.521 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX005956.D
 Acq: 13 Nov 2018 18:34

Instrument :
 MSVOA_X
 ClientSampleId :
 SR-8

Tot Ion: 59 Resp: 764
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



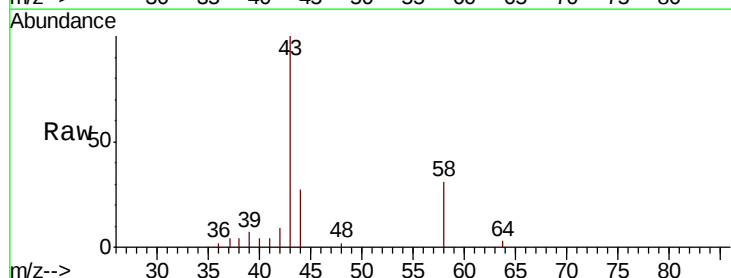
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



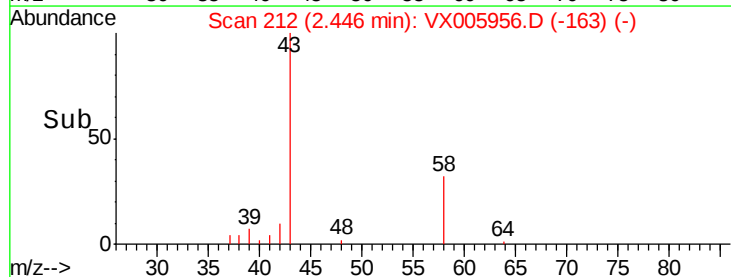
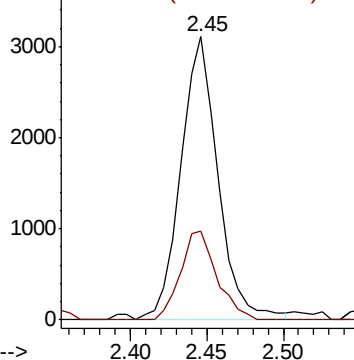
#16

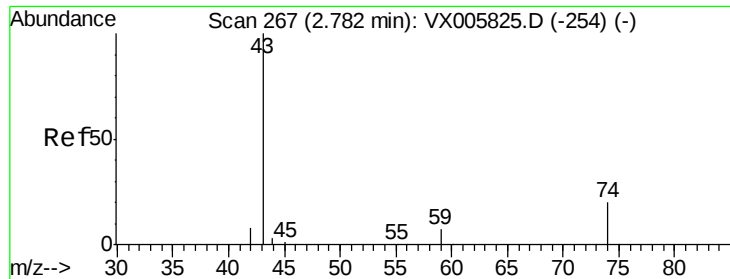
Acetone
 Concen: 9.176 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VX005956.D
 Acq: 13 Nov 2018 18:34

Tgt Ion: 43 Resp: 5227
 Ion Ratio Lower Upper
 43 100
 58 31.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0

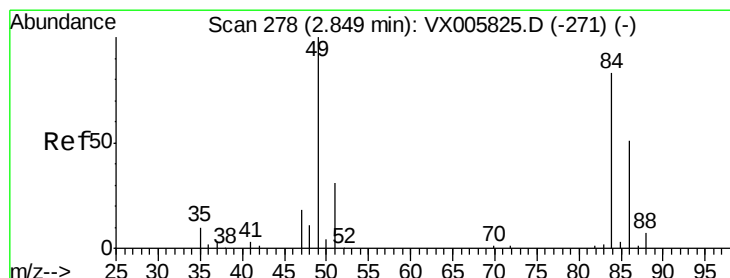
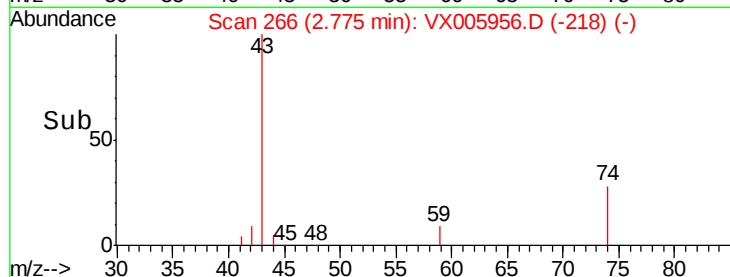
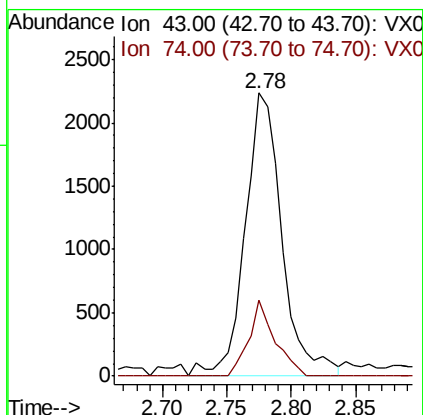
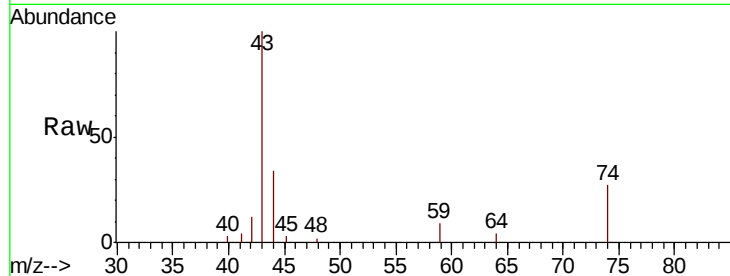




#18
Methyl Acetate
Concen: 1.448 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

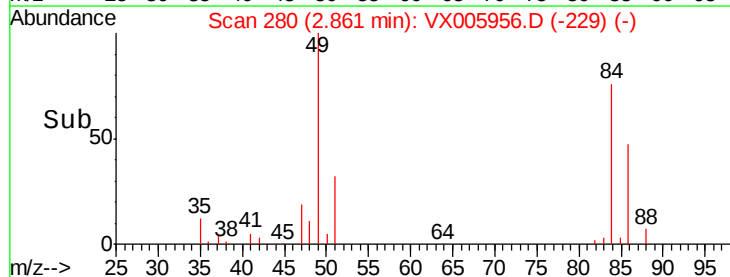
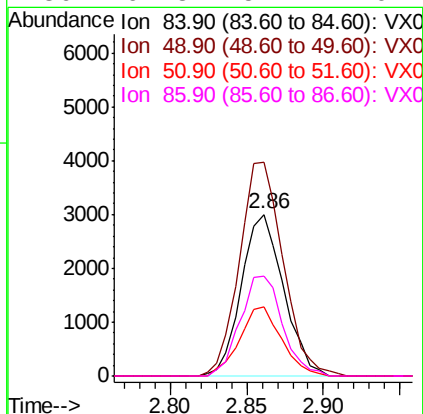
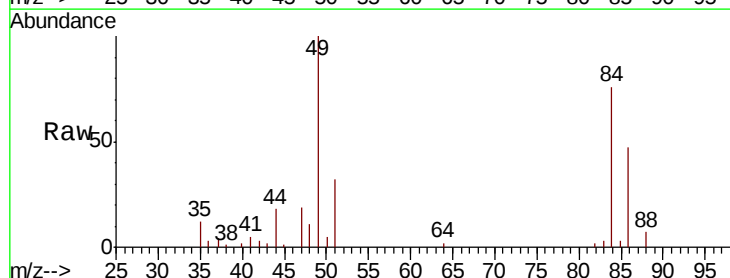
Instrument :
MSVOA_X
ClientSampled :
SR-8

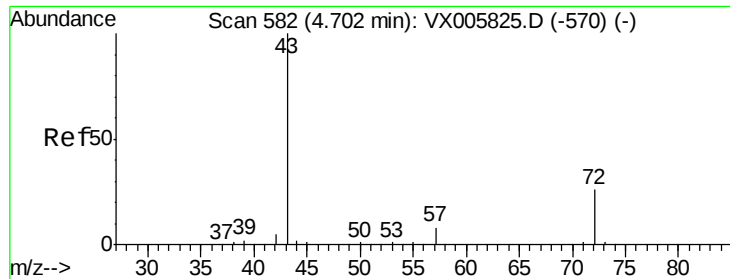
Tot Ion: 43 Resp: 4409
Ion Ratio Lower Upper
43 100
74 18.8 16.8 25.2



#20
Methylene Chloride
Concen: 6.159 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

Tgt Ion: 84 Resp: 5763
Ion Ratio Lower Upper
84 100
49 132.2 109.5 164.3
51 42.9 33.3 49.9
86 61.8 52.7 79.1





#25

2-Butanone

Concen: 0.968 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX005956.D

Acq: 13 Nov 2018 18:34

Instrument :

MSVOA_X

ClientSampled :

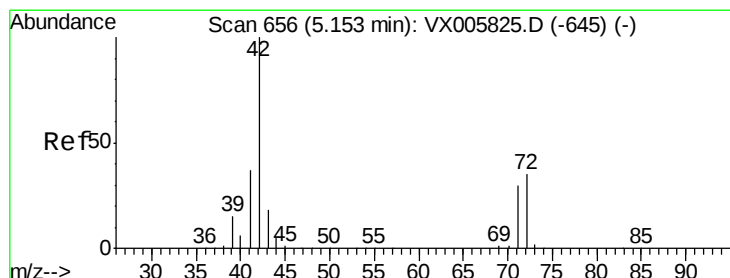
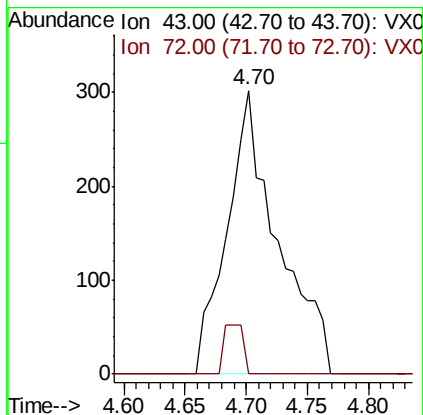
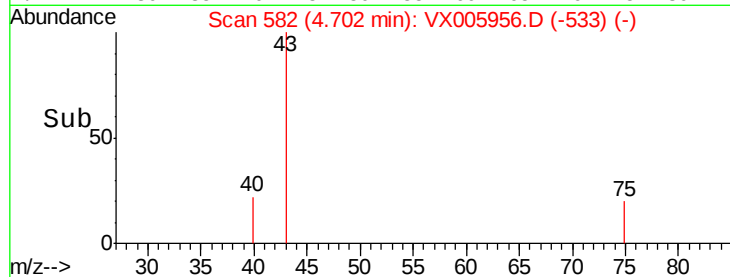
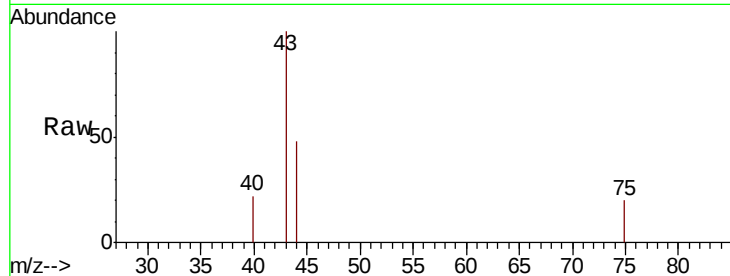
SR-8

Tot Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#29

Tetrahydrofuran

Concen: 0.784 ug/l

RT: 5.15 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX005956.D

Acq: 13 Nov 2018 18:34

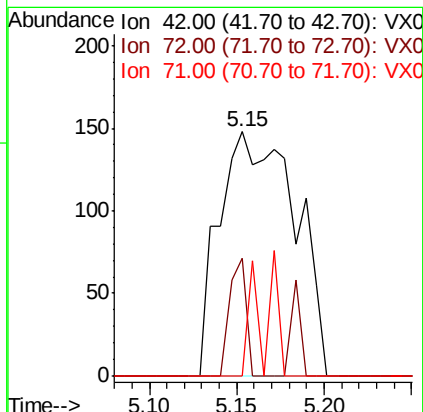
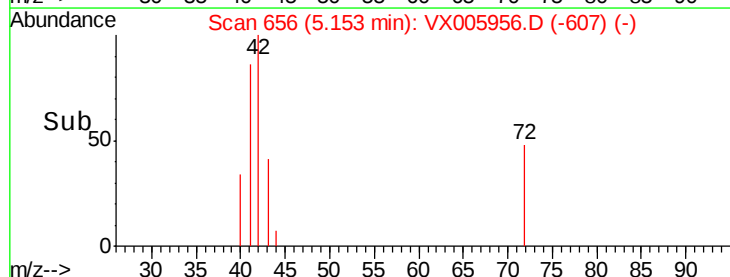
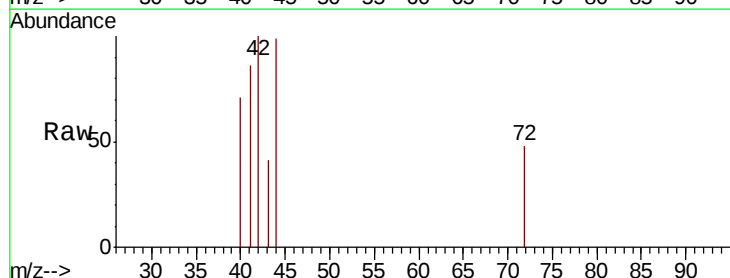
Tgt Ion: 42 Resp: 451

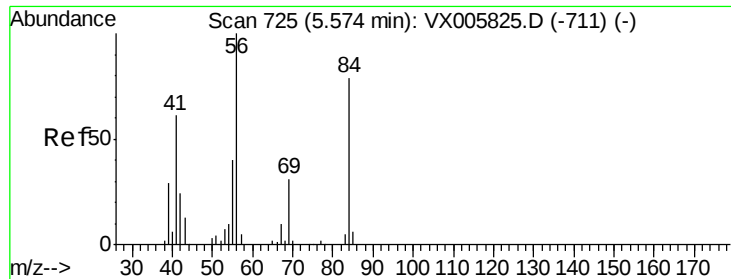
Ion Ratio Lower Upper

42 100

72 10.4 32.0 48.0#

71 0.0 29.8 44.8#

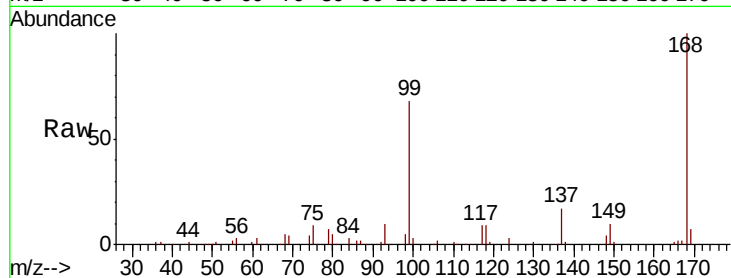




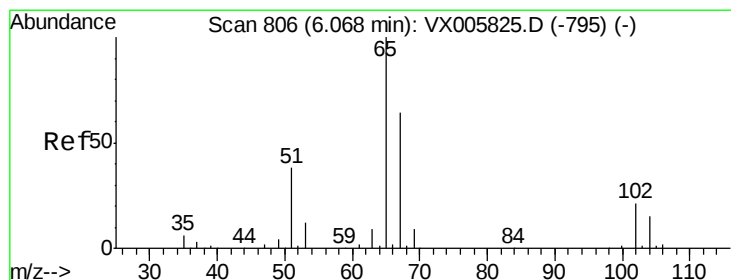
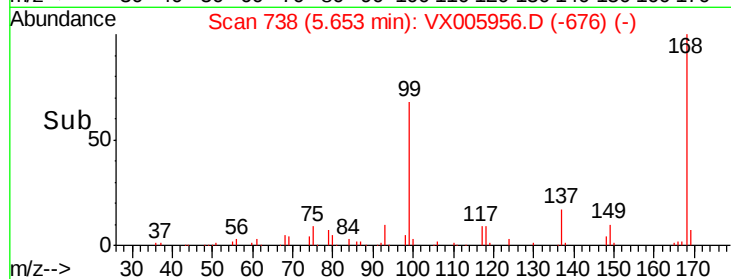
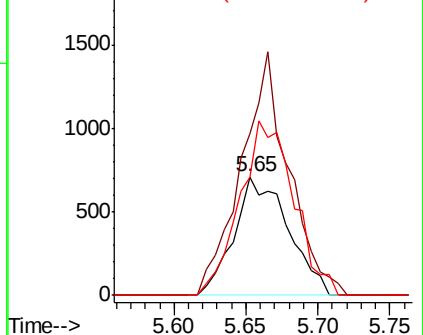
#31
Cyclohexane
Concen: 1.247 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

Instrument :
MSVOA_X
ClientSampleId :
SR-8

Tot Ion: 56 Resp: 1838
Ion Ratio Lower Upper
56 100
69 136.2 22.6 34.0#
84 99.9 62.7 94.1#

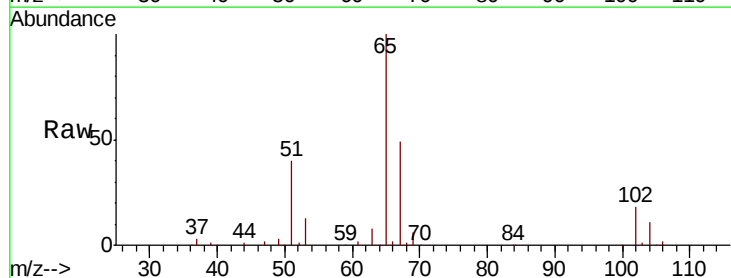


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

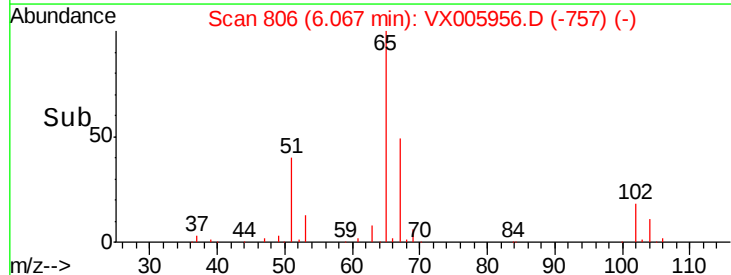
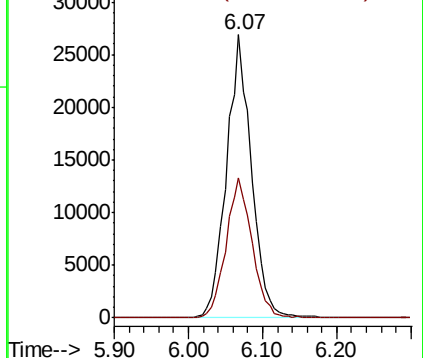


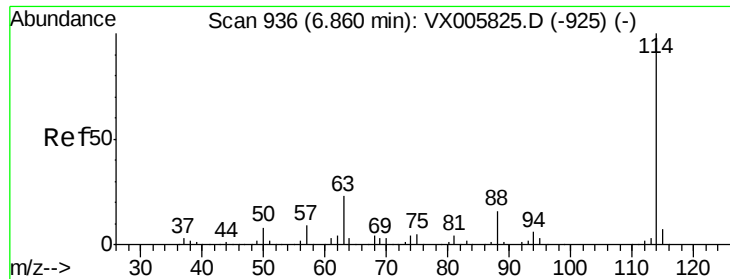
#33
1,2-Dichloroethane-d4
Concen: 59.421 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

Tgt Ion: 65 Resp: 62867
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.0



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

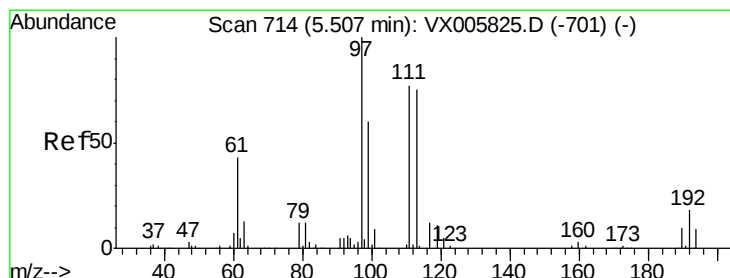
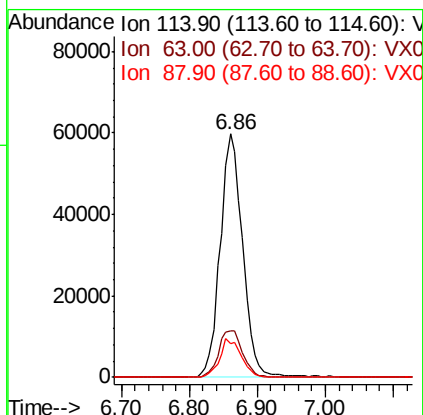
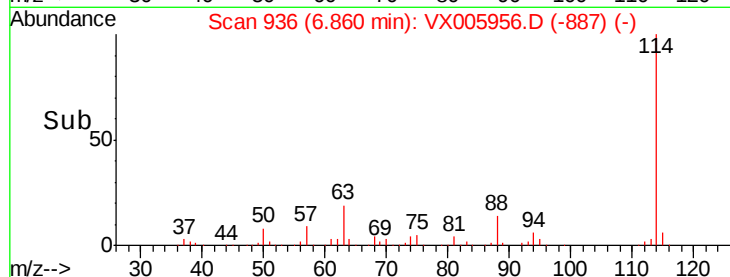
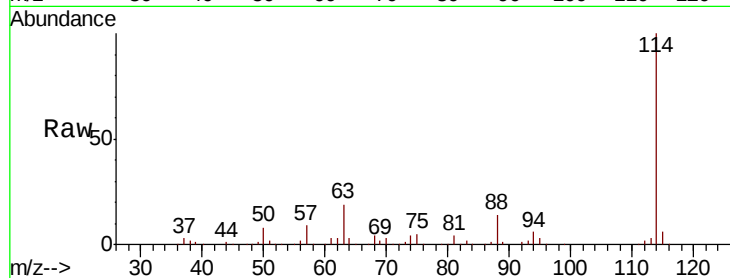




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

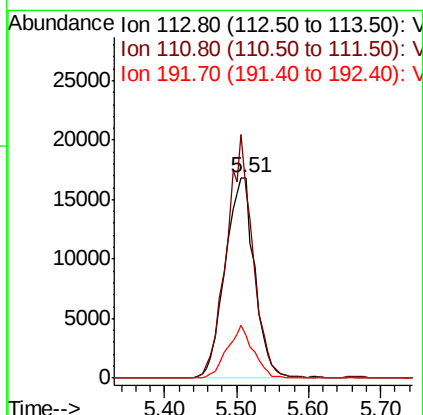
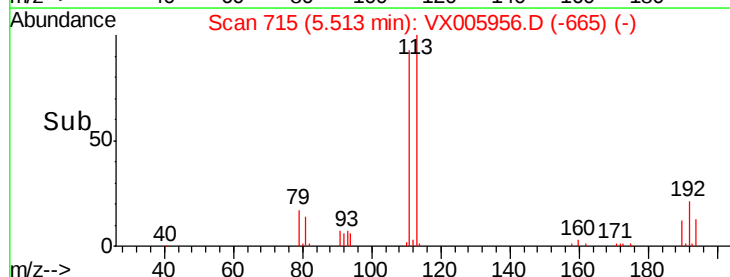
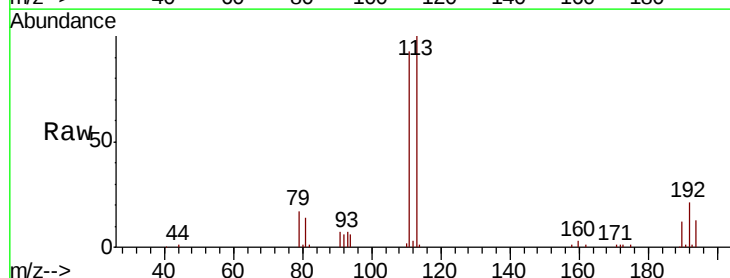
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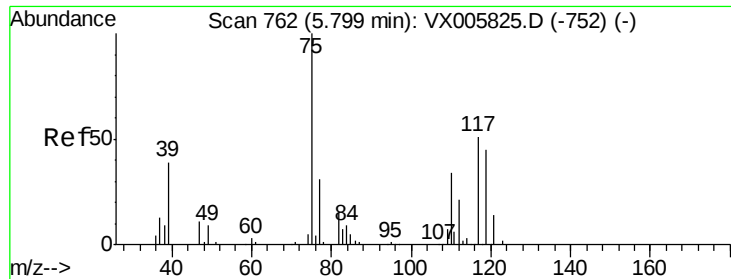
Tot Ion:114 Resp: 137333
Ion Ratio Lower Upper
114 100
63 19.1 0.0 42.8
88 13.9 0.0 31.2



#35
Dibromofluoromethane
Concen: 51.310 ug/l
RT: 5.51 min Scan# 715
Delta R.T. 0.01 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

Tgt Ion:113 Resp: 47927
Ion Ratio Lower Upper
113 100
111 107.5 82.3 123.5
192 23.1 17.9 26.9

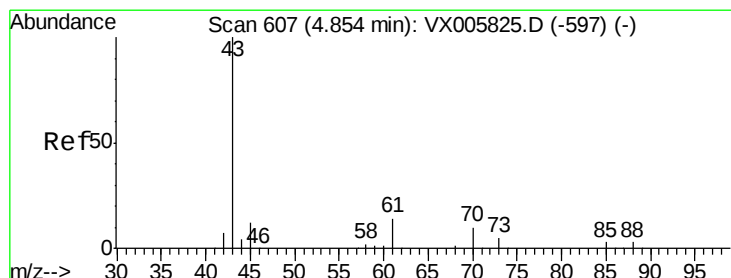
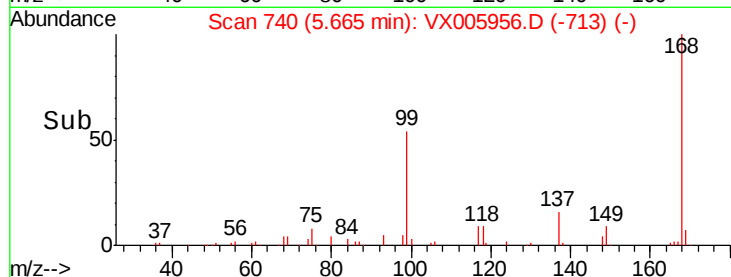
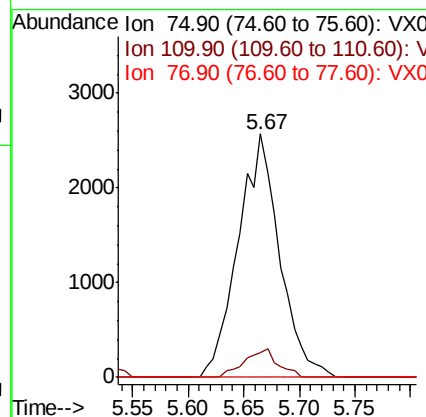
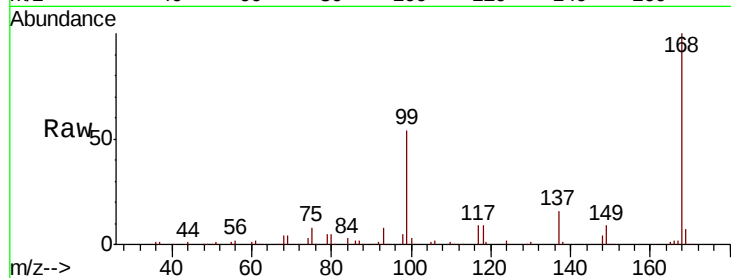




#36
 1,1-Dichloropropene
 Concen: 5.015 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005956.D
 Acq: 13 Nov 2018 18:34

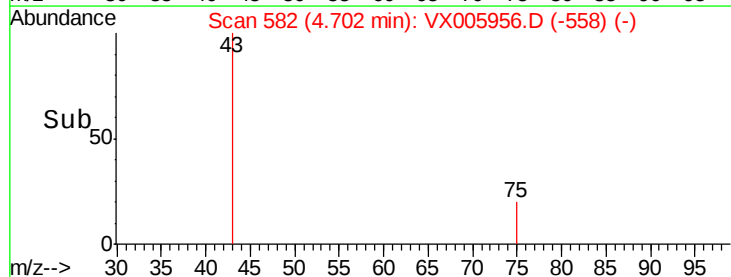
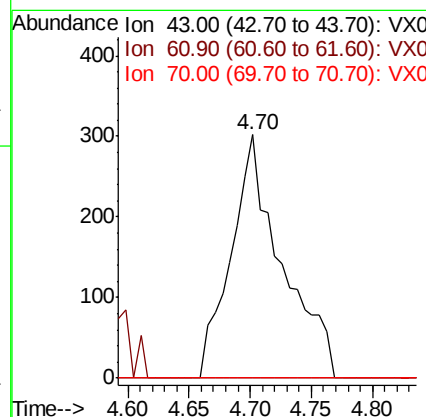
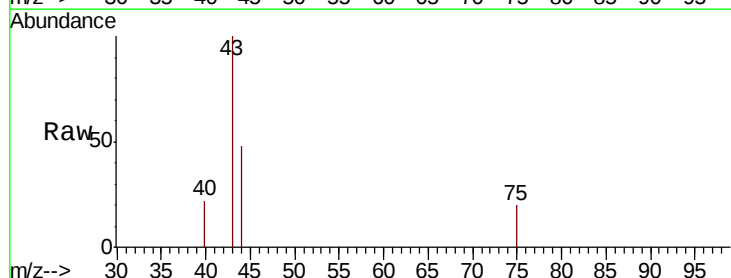
Instrument :
 MSVOA_X
 ClientSampled :
 SR-8

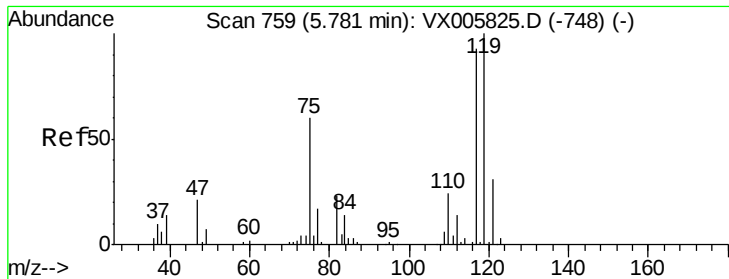
Tot Ion: 75 Resp: 6639
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.4 52.2#
 77 0.0 25.8 38.6#



#37
 Ethyl Acetate
 Concen: 0.498 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. -0.15 min
 Lab File: VX005956.D
 Acq: 13 Nov 2018 18:34

Tgt Ion: 43 Resp: 867
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.8 16.2#
 70 0.0 7.8 11.8#

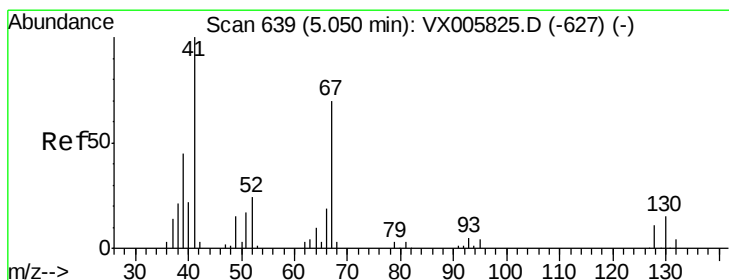
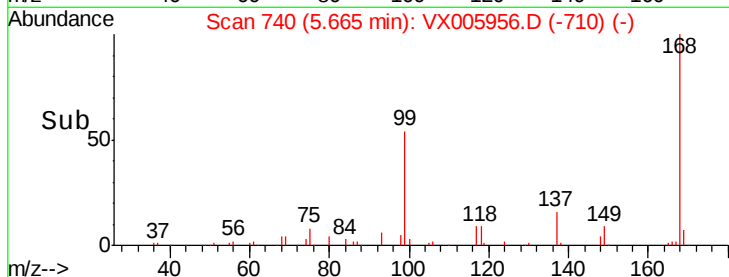
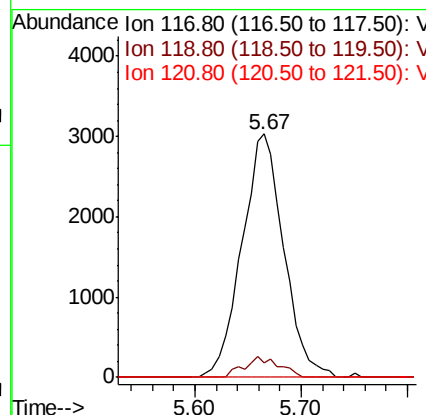
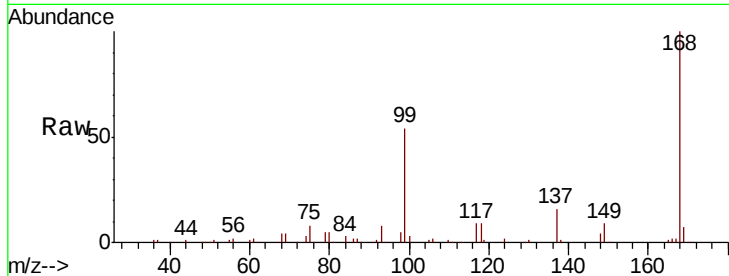




#38
Carbon Tetrachloride
Concen: 6.285 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

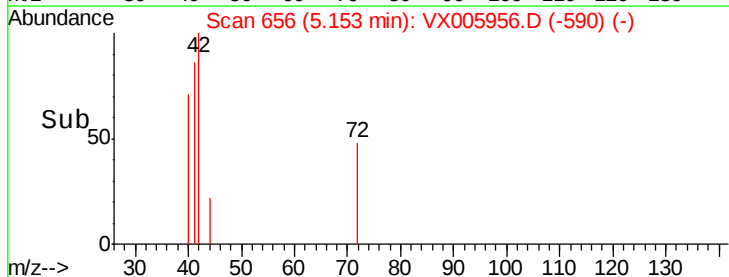
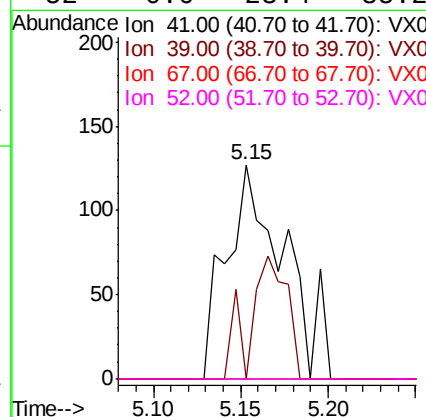
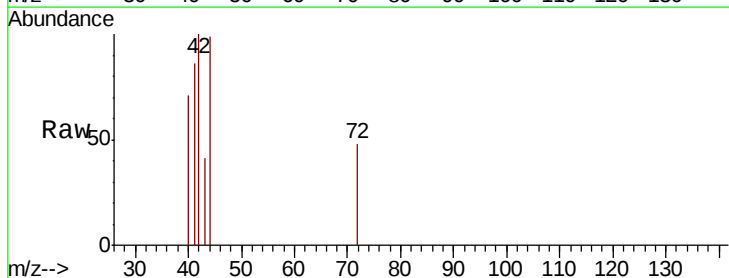
Instrument :
MSVOA_X
ClientSampled :
SR-8

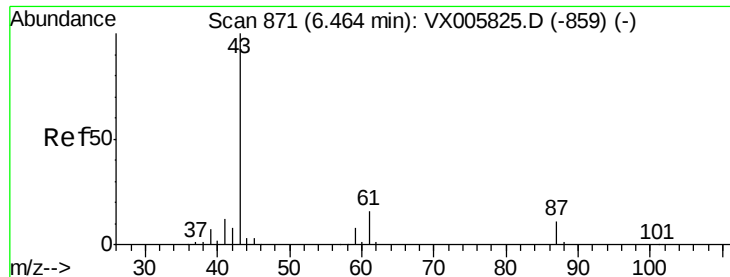
Tot Ion:117 Resp: 8330
Ion Ratio Lower Upper
117 100
119 6.1 78.1 117.1#
121 0.0 24.6 36.8#



#41
Methacrylonitrile
Concen: 0.314 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.10 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

Tgt Ion: 41 Resp: 295
Ion Ratio Lower Upper
41 100
39 36.3 42.2 63.2#
67 0.0 53.4 80.0#
52 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 26.853 ug/l

RT: 6.46 min Scan# 871

Delta R.T. -0.00 min

Lab File: VX005956.D

Acq: 13 Nov 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

SR-8

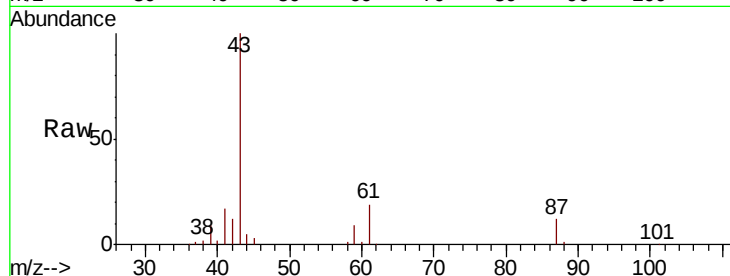
Tot Ion: 43 Resp: 67742

Ion Ratio Lower Upper

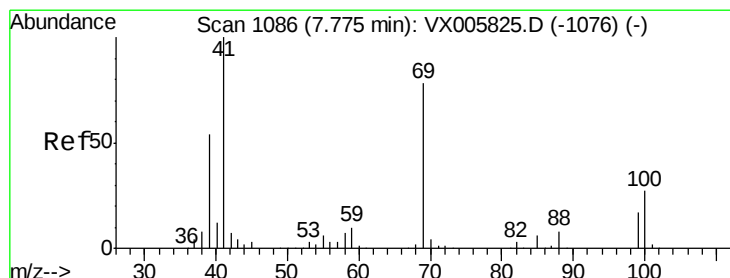
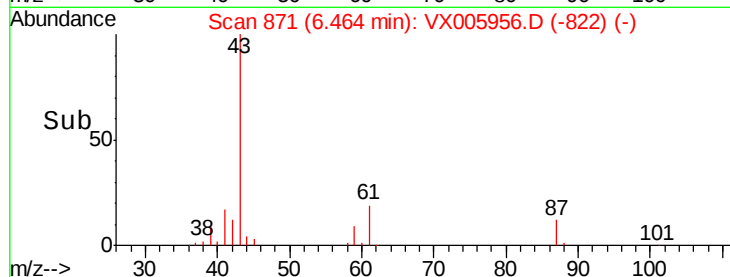
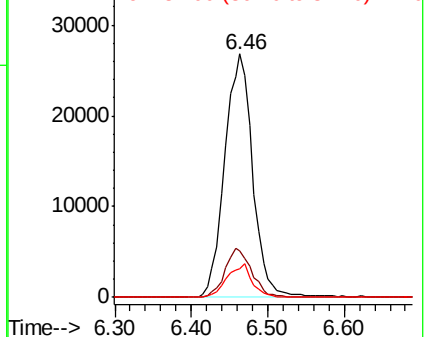
43 100

61 19.2 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

Methyl methacrylate

Concen: 2.154 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.09 min

Lab File: VX005956.D

Acq: 13 Nov 2018 18:34

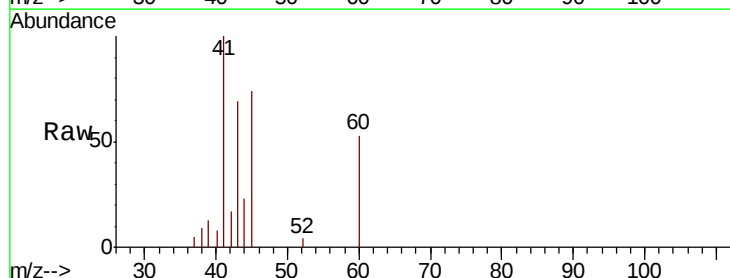
Tgt Ion: 41 Resp: 2440

Ion Ratio Lower Upper

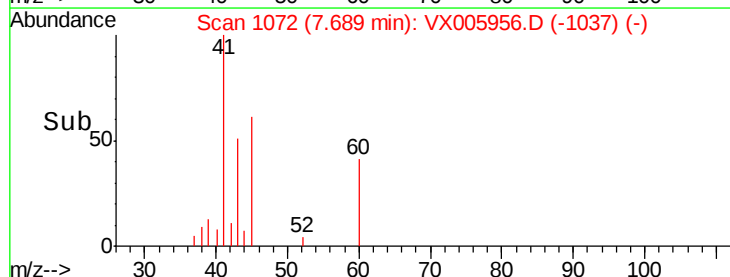
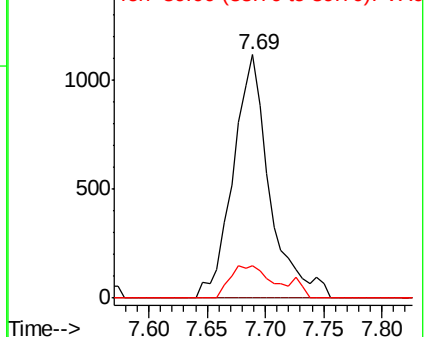
41 100

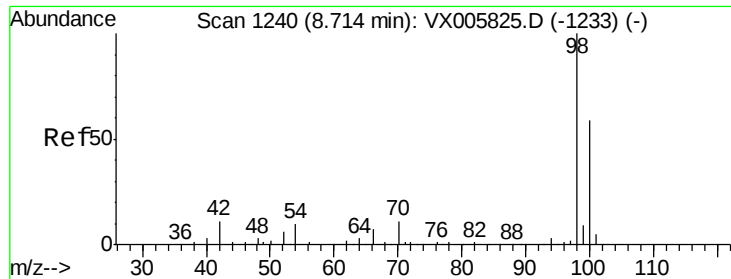
69 0.0 63.2 94.8#

39 15.0 42.2 63.2#



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

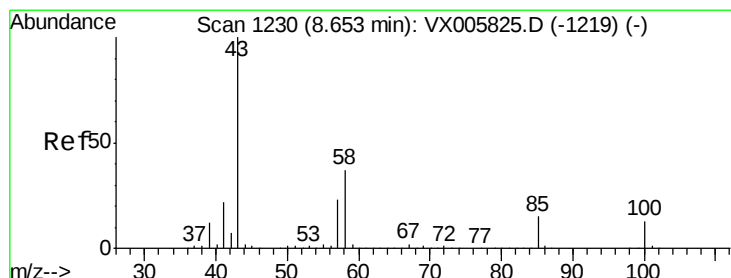
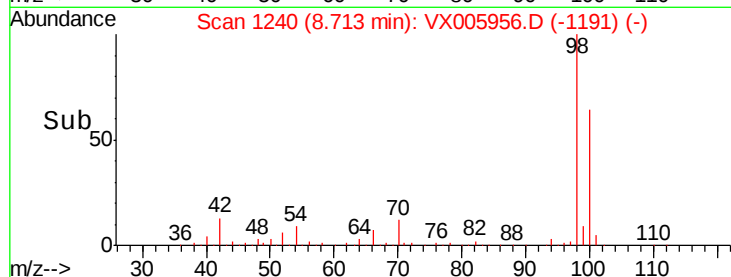
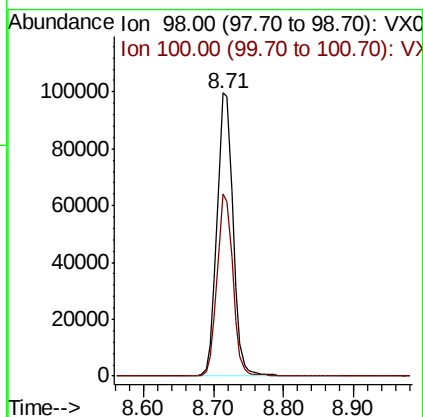
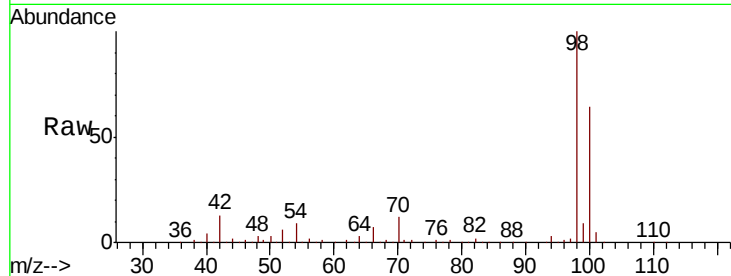




#50
Toluene-d8
Concen: 51.483 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

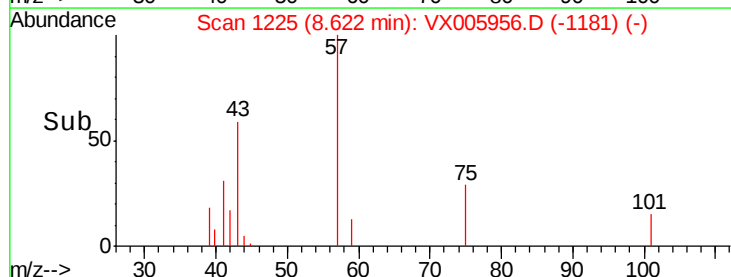
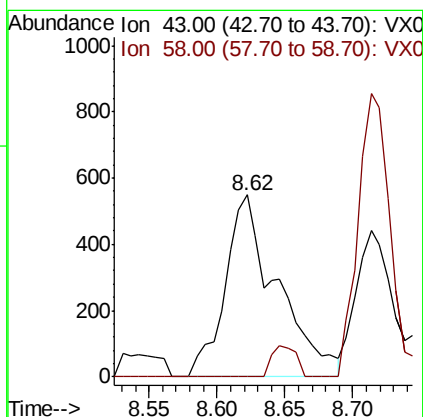
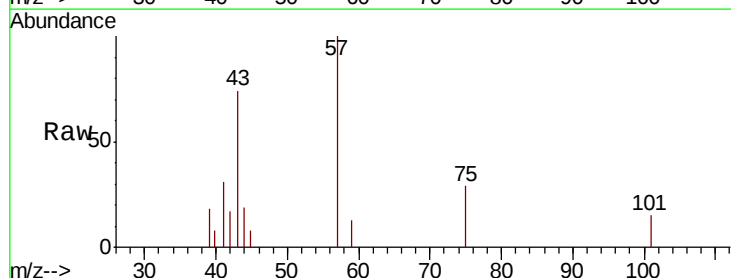
Instrument :
MSVOA_X
ClientSampled :
SR-8

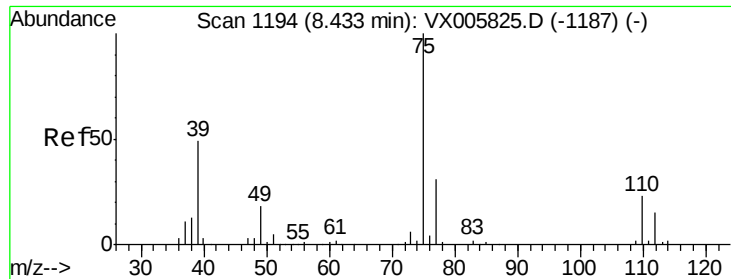
Tot Ion: 98 Resp: 159874
Ion Ratio Lower Upper
98 100
100 63.3 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 0.915 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.03 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
58 0.0 29.7 44.5#

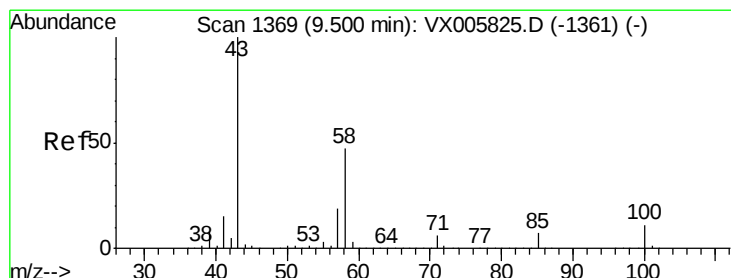
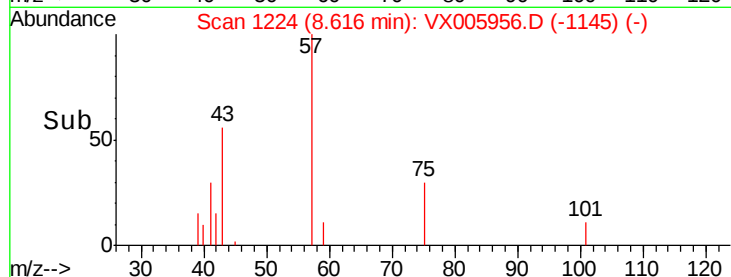
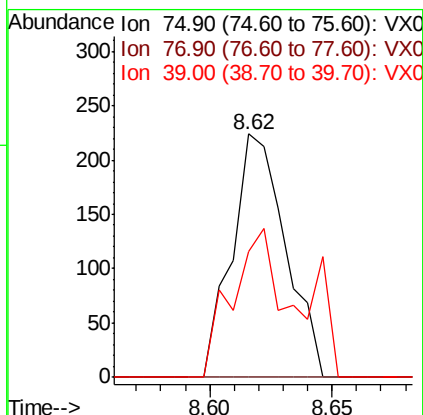
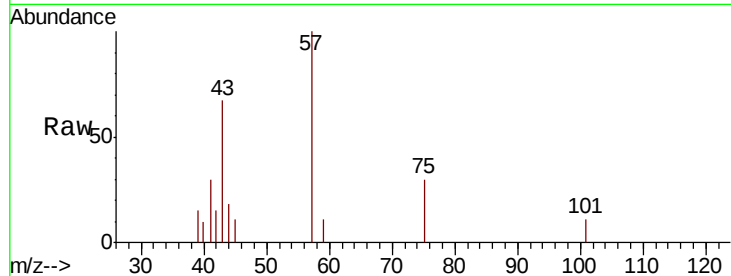




#54
 cis-1,3-Dichloropropene
 Concen: 0.255 ug/l
 RT: 8.62 min Scan# 1224
 Delta R.T. 0.18 min
 Lab File: VX005956.D
 Acq: 13 Nov 2018 18:34

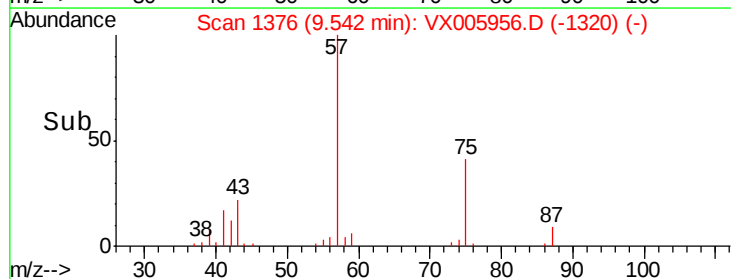
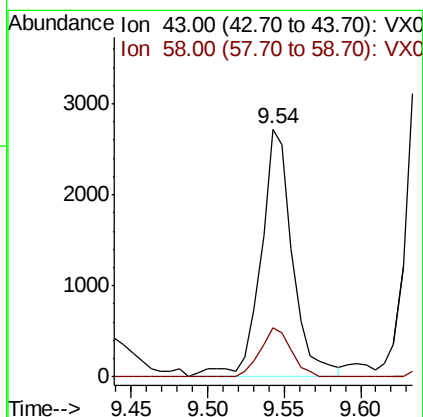
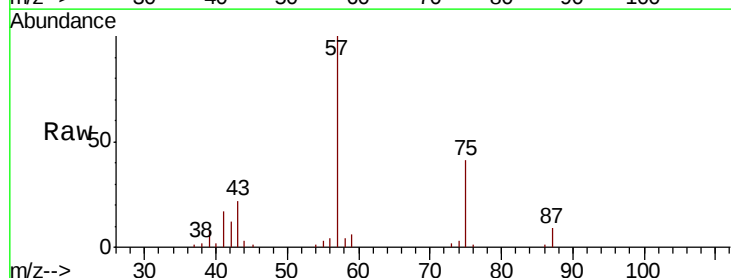
Instrument :
 MSVOA_X
 ClientSampleId :
 SR-8

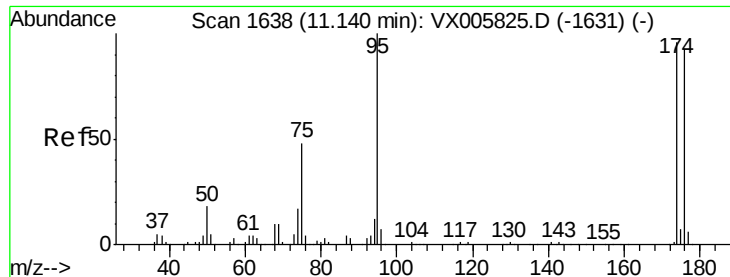
Tot Ion: 75 Resp: 341
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 51.8 38.2 57.2



#59
 2-Hexanone
 Concen: 2.831 ug/l
 RT: 9.54 min Scan# 1376
 Delta R.T. 0.04 min
 Lab File: VX005956.D
 Acq: 13 Nov 2018 18:34

Tgt Ion: 43 Resp: 3967
 Ion Ratio Lower Upper
 43 100
 58 19.2 25.9 77.8#

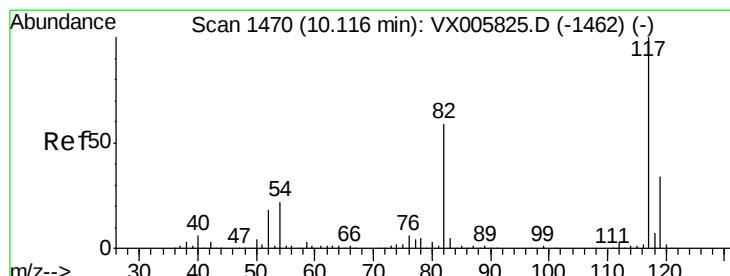
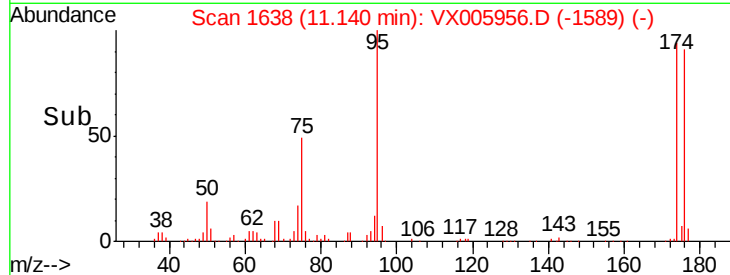
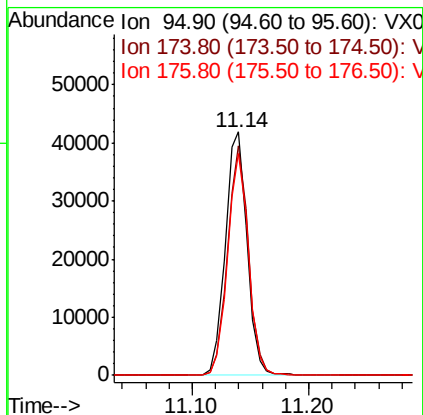
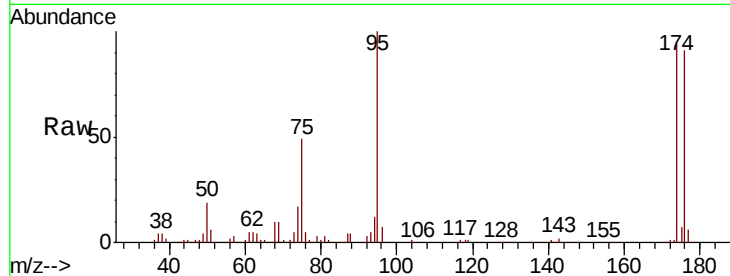




#62
4-Bromofluorobenzene
Concen: 48.511 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

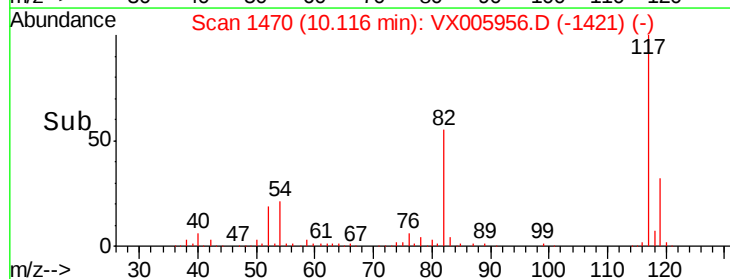
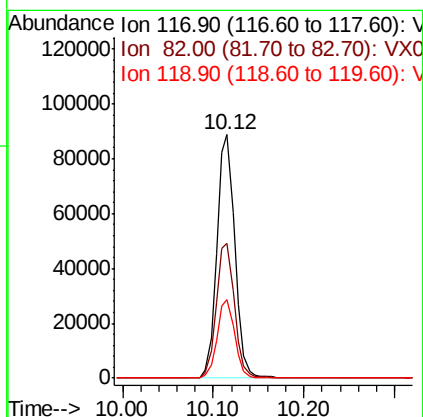
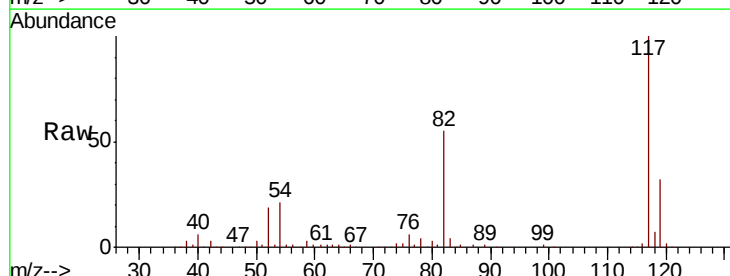
Instrument :
MSVOA_X
ClientSampled :
SR-8

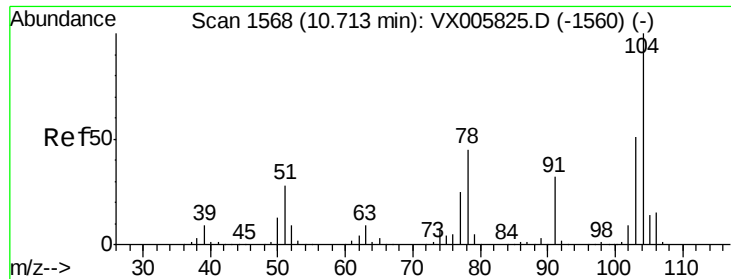
Tot Ion: 95 Resp: 54163
Ion Ratio Lower Upper
95 100
174 91.1 0.0 184.4
176 88.0 0.0 177.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

Tgt Ion: 117 Resp: 123199
Ion Ratio Lower Upper
117 100
82 55.3 44.1 66.1
119 32.5 26.2 39.2

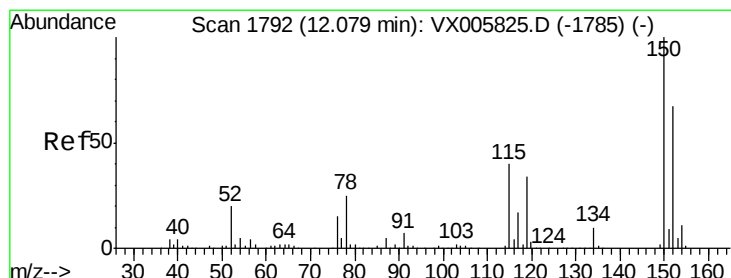
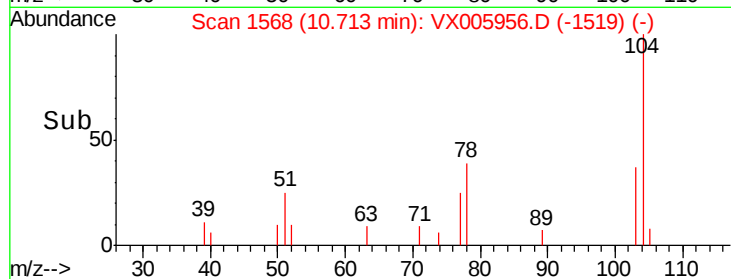
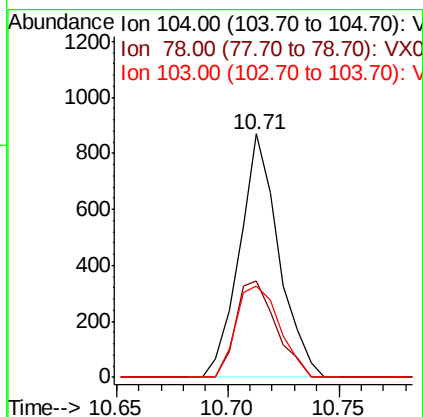
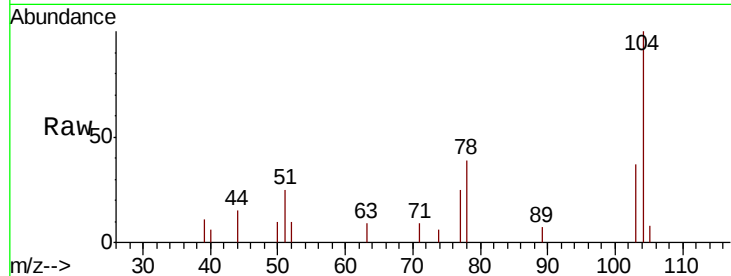




#70
Stvrene
Concen: 0.480 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

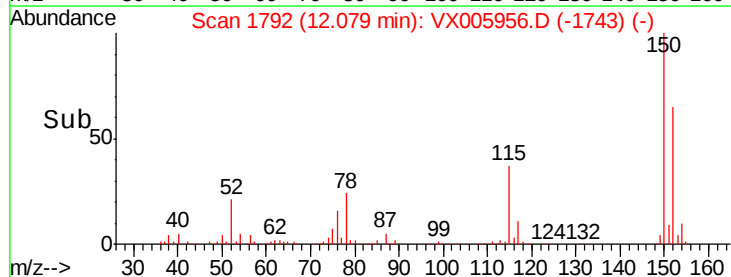
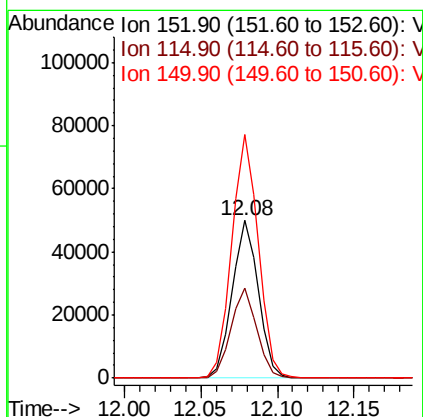
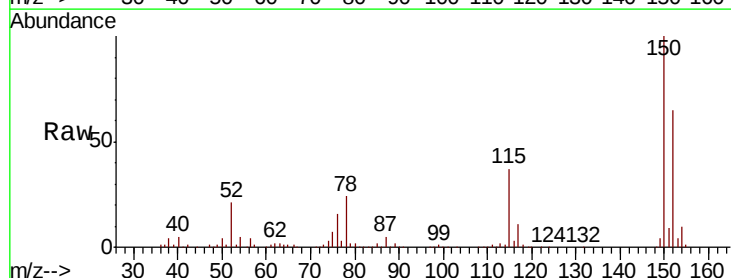
Instrument :
MSVOA_X
ClientSampleId :
SR-8

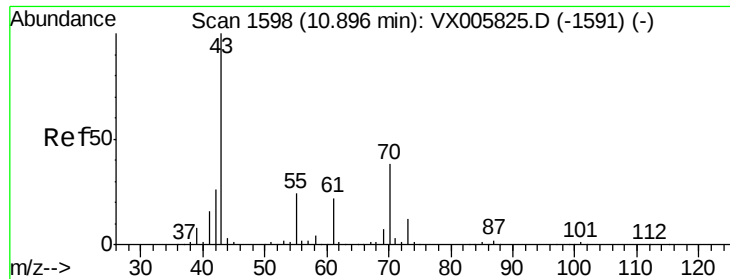
Tot Ion:104 Resp: 1071
Ion Ratio Lower Upper
104 100
78 40.4 40.2 60.4
103 41.7 44.9 67.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005956.D
Acq: 13 Nov 2018 18:34

Tgt Ion:152 Resp: 59282
Ion Ratio Lower Upper
152 100
115 56.4 39.4 118.1
150 156.0 0.0 346.4





#74

N-amvl acetate

Concen: 1.383 ug/l

RT: 10.69 min Scan# 1564

Delta R.T. -0.21 min

Lab File: VX005956.D

Acq: 13 Nov 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

SR-8

Tot Ion: 43 Resp: 261

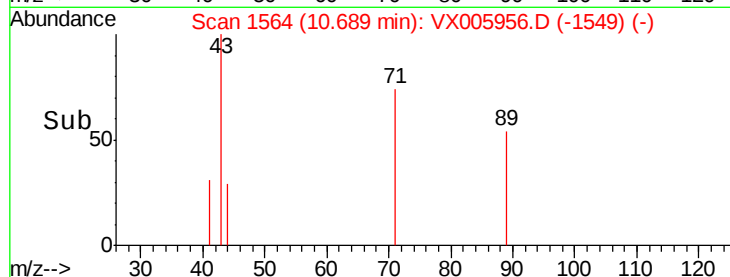
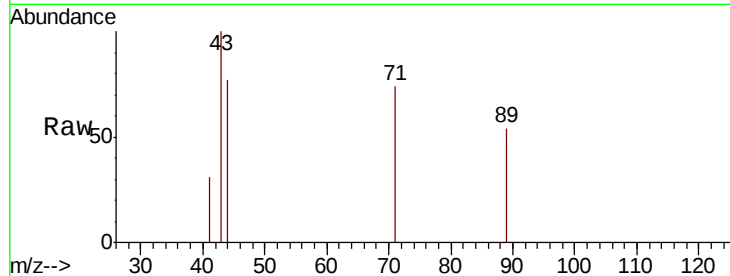
Ion Ratio Lower Upper

43 100

70 0.0 31.6 47.4#

55 0.0 19.7 29.5#

61 0.0 18.3 27.5#

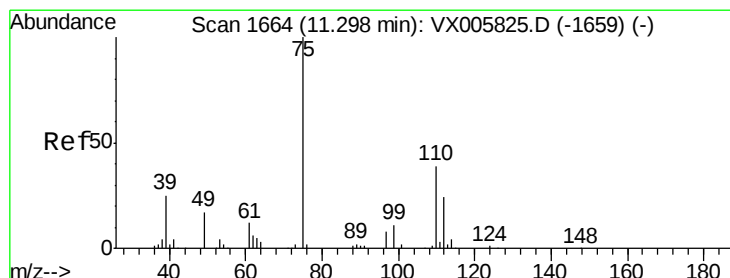
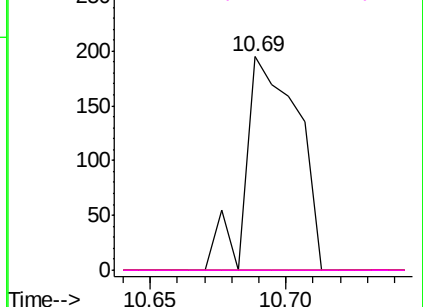


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.676 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005956.D

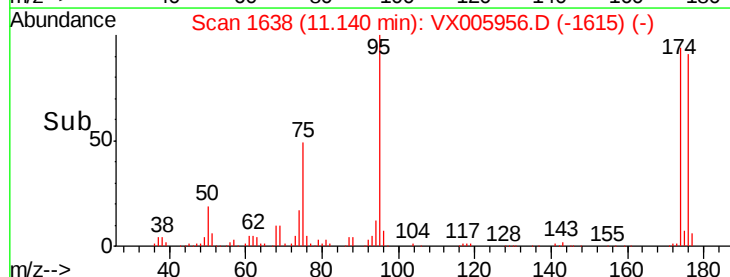
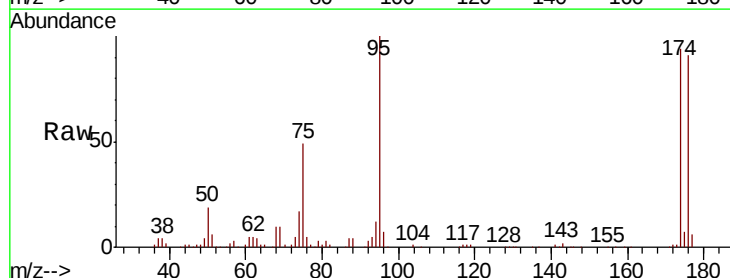
Acq: 13 Nov 2018 18:34

Tgt Ion: 75 Resp: 27373

Ion Ratio Lower Upper

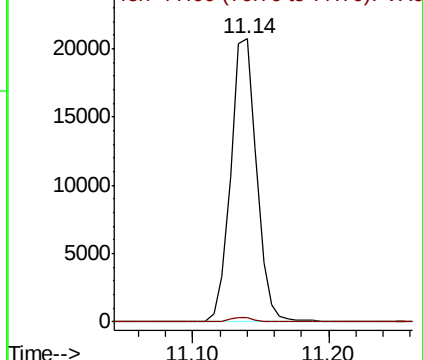
75 100

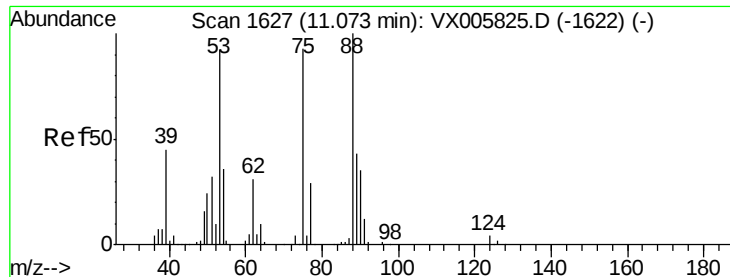
77 1.3 20.5 61.6#



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: 72.274 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005956.D

Acq: 13 Nov 2018 18:34

Instrument :

MSVOA_X

ClientSampled :

SR-8

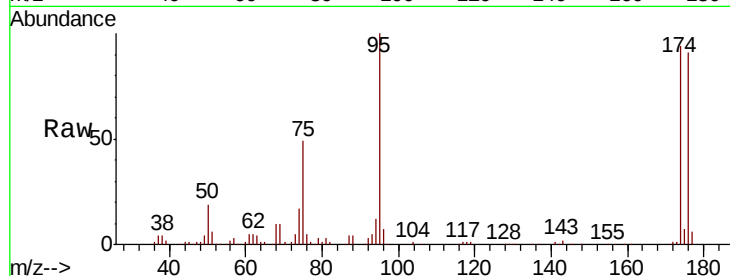
Tot Ion: 75 Resp: 27373

Ion Ratio Lower Upper

75 100

53 0.1 80.2 120.2#

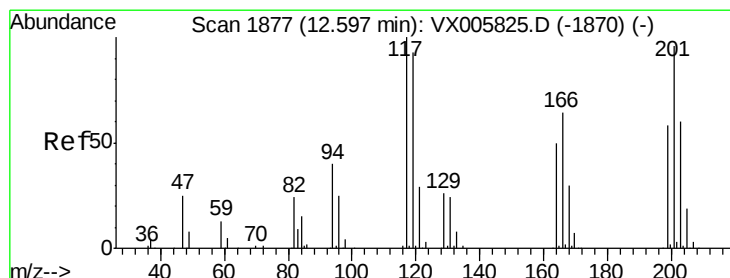
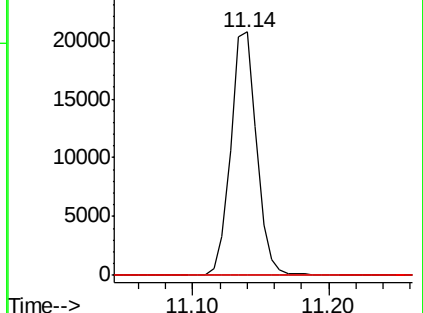
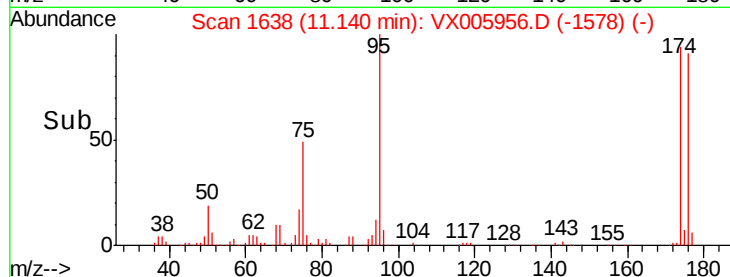
89 0.0 39.8 59.8#



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



#90

Hexachloroethane

Concen: 0.248 ug/l

RT: 12.76 min Scan# 1903

Delta R.T. 0.16 min

Lab File: VX005956.D

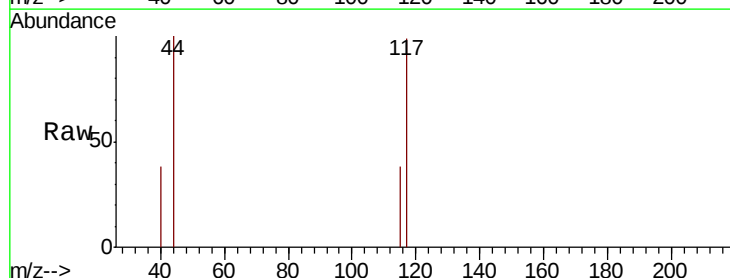
Acq: 13 Nov 2018 18:34

Tgt Ion: 117 Resp: 132

Ion Ratio Lower Upper

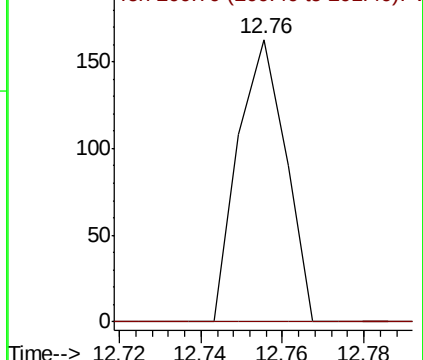
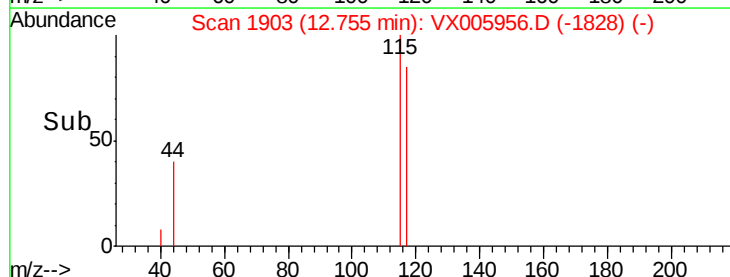
117 100

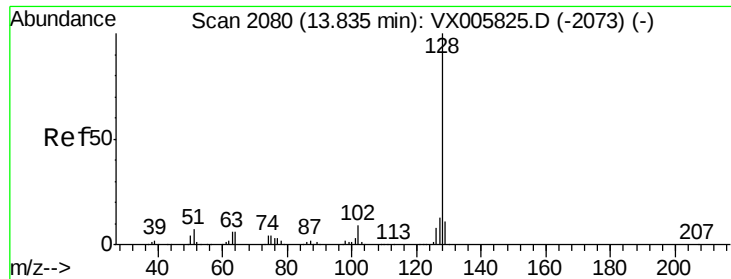
201 0.0 47.9 143.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#95

Naphthalene

Concen: 1.607 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005956.D

Acq: 13 Nov 2018 18:34

Instrument :

MSVOA_X

ClientSampleId :

SR-8

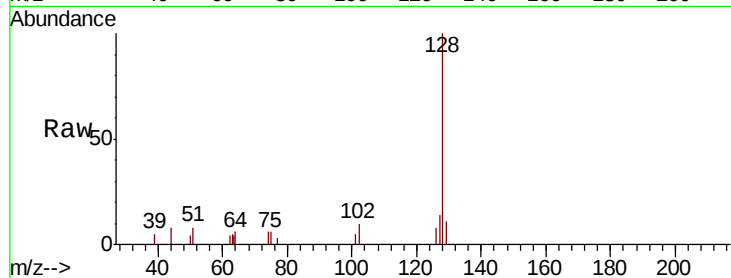
Tot Ion:128 Resp: 1876

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

129 11.4 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

