

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040119\
 Data File : VX008575.D
 Acq On : 01 Apr 2019 17:43
 Operator : JC/SP
 Sample : K2210-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 02 01:13:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	232851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384706	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	336741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	140896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	159470	45.17	ug/l	0.00
Spiked Amount			Recovery	=	90.34%	
35) Dibromofluoromethane	5.49	113	117496	46.84	ug/l	0.00
Spiked Amount			Recovery	=	93.68%	
50) Toluene-d8	8.71	98	484840	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	
62) 4-Bromofluorobenzene	11.13	95	166891	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	

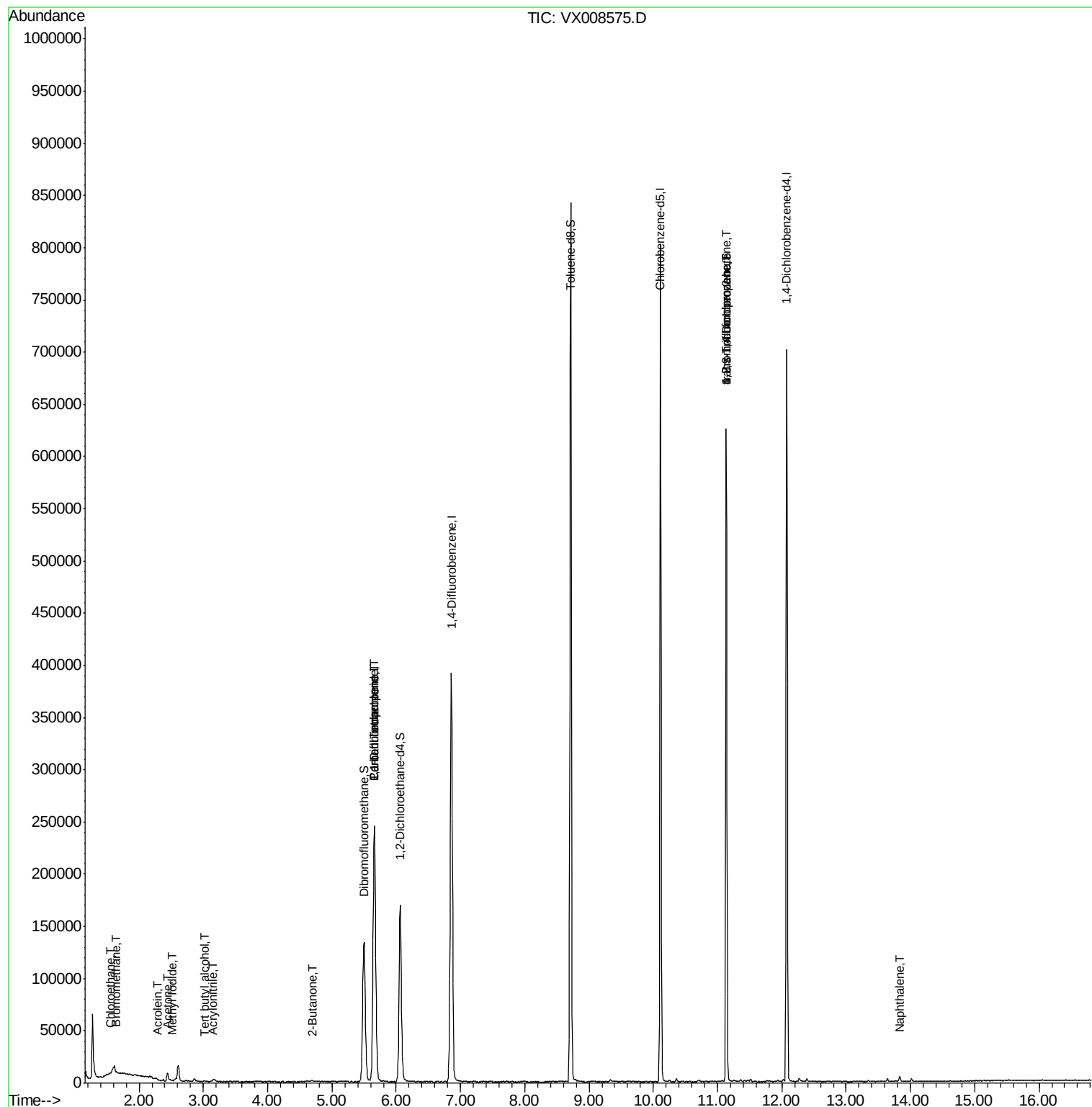
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	600	Below Cal		98
5) Bromomethane	1.64	94	1149	2.358	ug/l #	80
6) Chloroethane	1.56	64	10508	4.629	ug/l #	46
10) Methyl Iodide	2.51	142	1265	4.584	ug/l	99
11) Tert butyl alcohol	3.02	59	735	0.940	ug/l #	80
13) Acrolein	2.29	56	445	0.783	ug/l #	33
15) Acrylonitrile	3.15	53	946	0.461	ug/l	86
16) Acetone	2.44	43	8055	4.366	ug/l	89
20) Methylene Chloride	2.85	84	1108	Below Cal	#	80
21) trans-1,2-Dichloroethene	3.17	96	470	Below Cal		84
25) 2-Butanone	4.68	43	2028	0.686	ug/l	99
36) 1,1-Dichloropropene	5.66	75	19327	4.712	ug/l #	51
38) Carbon Tetrachloride	5.67	117	22693	6.629	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	84557	20.187	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	84557	64.655	ug/l #	9
95) Naphthalene	13.83	128	2694	0.234	ug/l	99

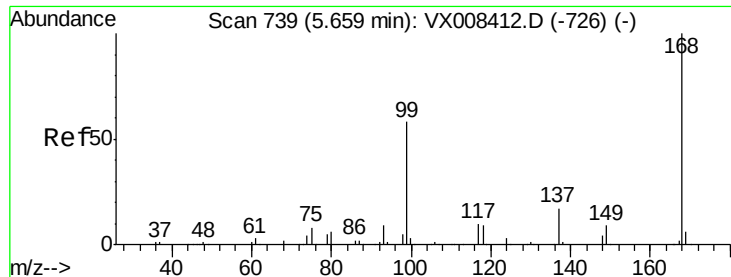
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008575.D

Acq: 01 Apr 2019 17:43

Instrument :

MSVOA_X

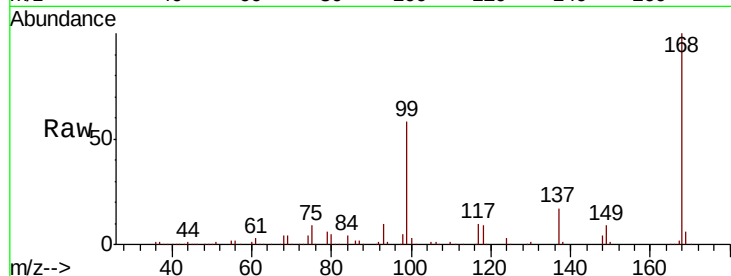
ClientSampleId :

Tot Ion:168 Resp: 232851

Ion Ratio Lower Upper

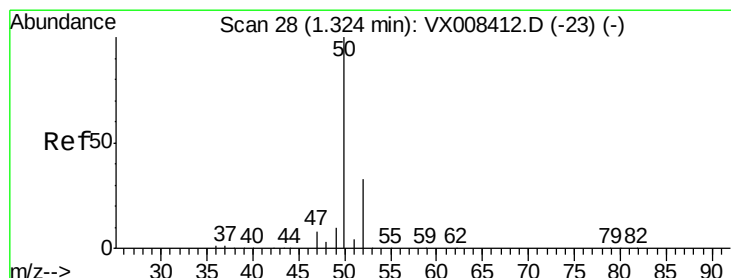
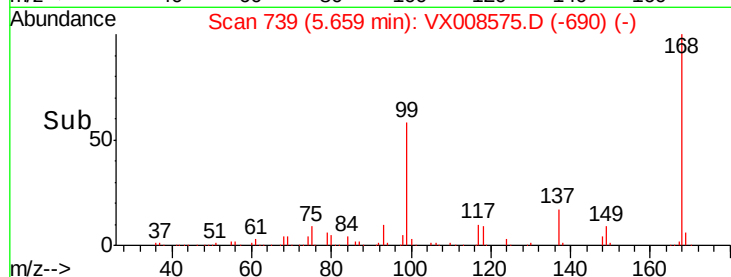
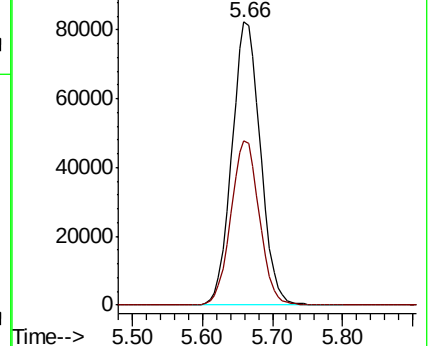
168 100

99 57.9 46.0 69.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008575.D

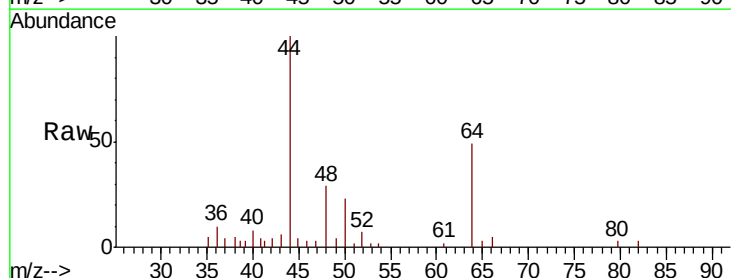
Acq: 01 Apr 2019 17:43

Tgt Ion: 50 Resp: 600

Ion Ratio Lower Upper

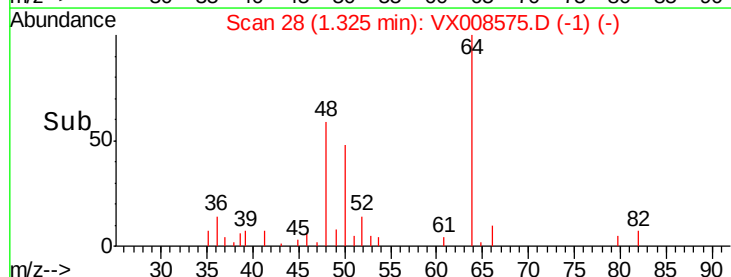
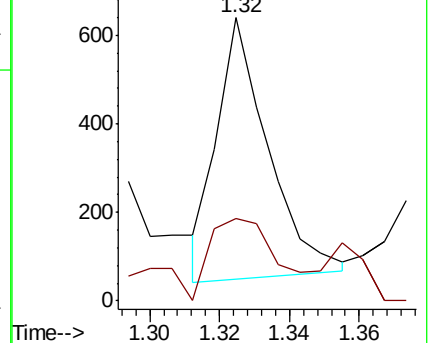
50 100

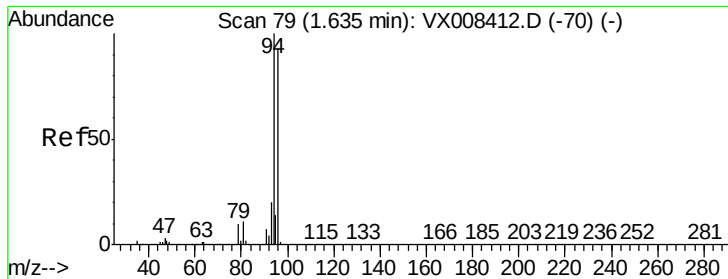
52 33.6 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 2.358 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008575.D

Acq: 01 Apr 2019 17:43

Instrument :

MSVOA_X

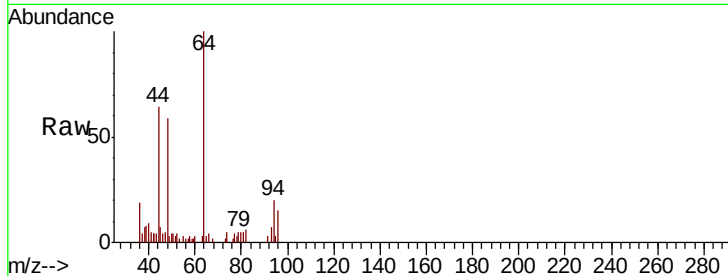
ClientSampleId :

Tot Ion: 94 Resp: 1149

Ion Ratio Lower Upper

94 100

96 74.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

600

500

400

300

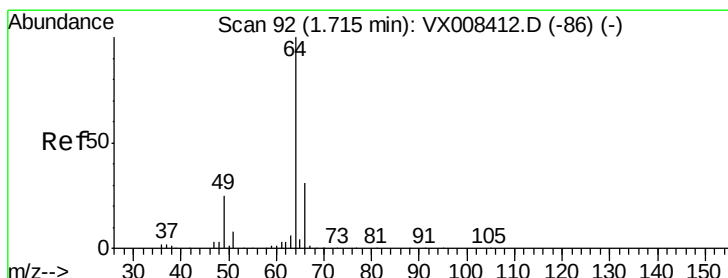
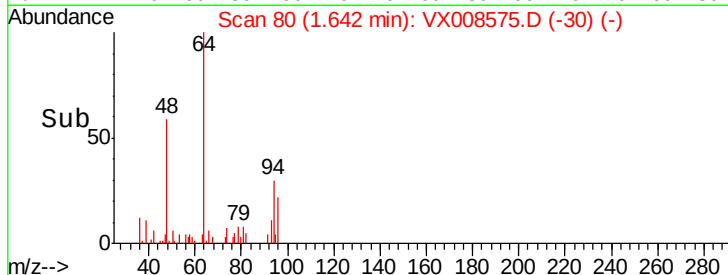
200

100

0

1.50 1.55 1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: 4.629 ug/l

RT: 1.56 min Scan# 66

Delta R.T. -0.16 min

Lab File: VX008575.D

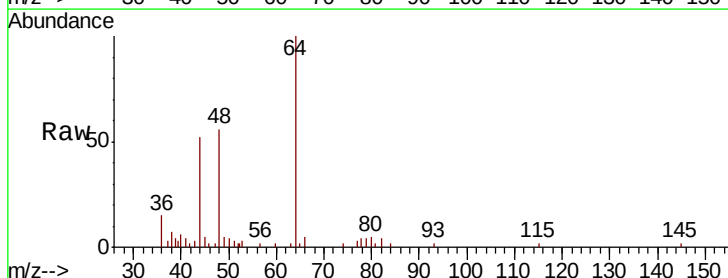
Acq: 01 Apr 2019 17:43

Tgt Ion: 64 Resp: 10508

Ion Ratio Lower Upper

64 100

66 1.8 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

3000

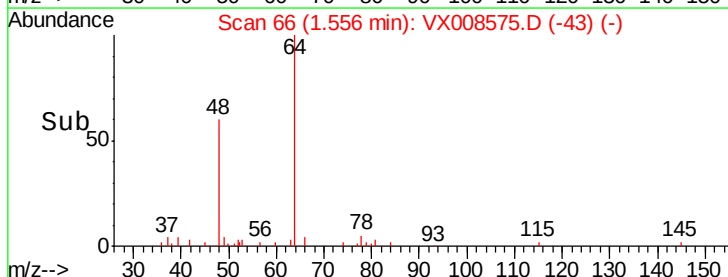
2000

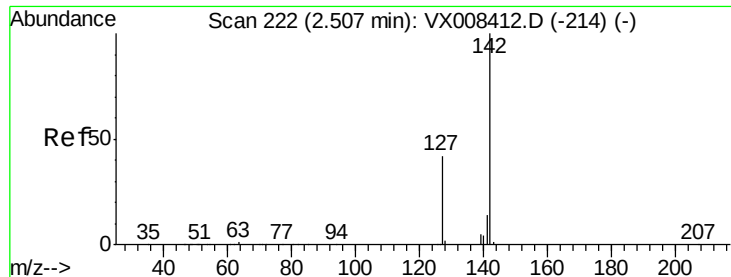
1000

0

1.40 1.50 1.60

Time-->

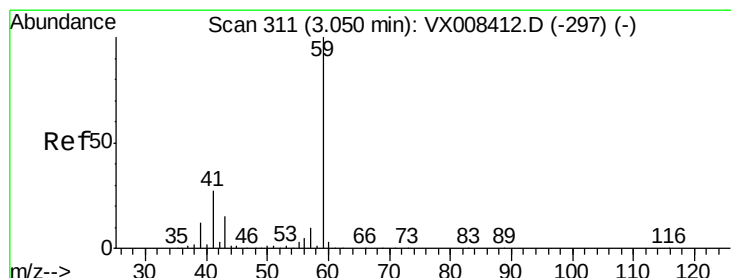
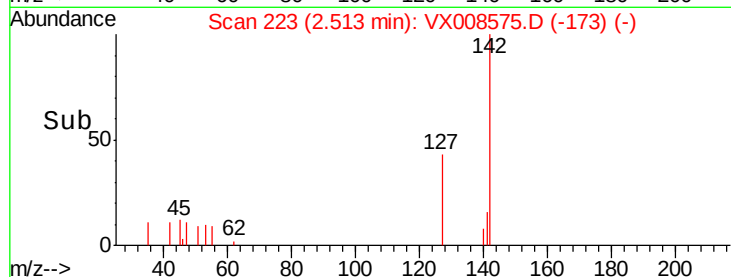
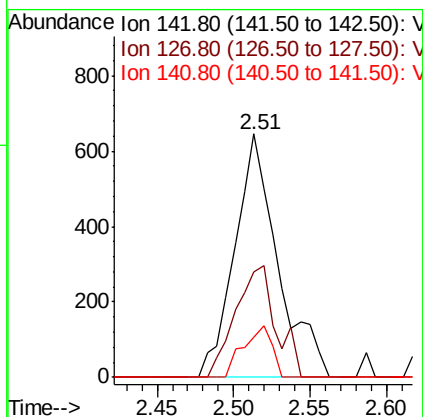
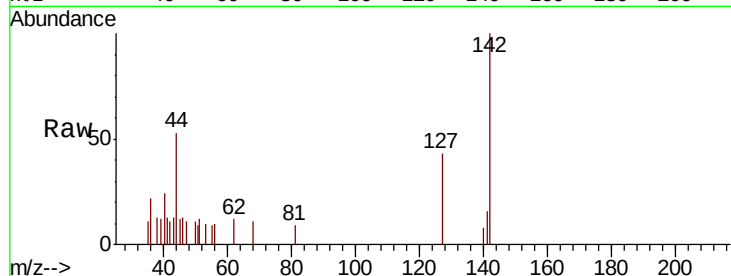




#10
Methvl Iodide
Concen: 4.584 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008575.D
Acq: 01 Apr 2019 17:43

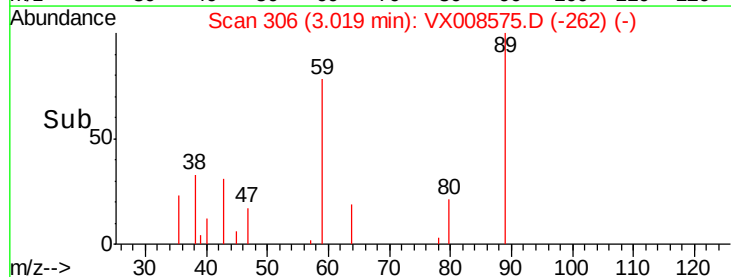
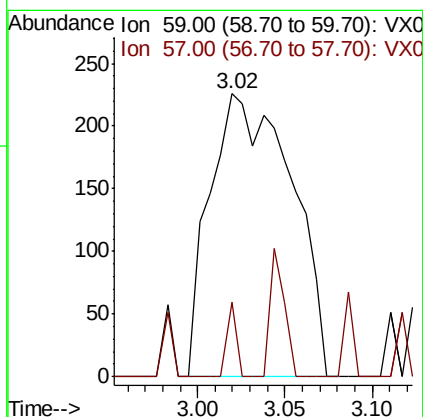
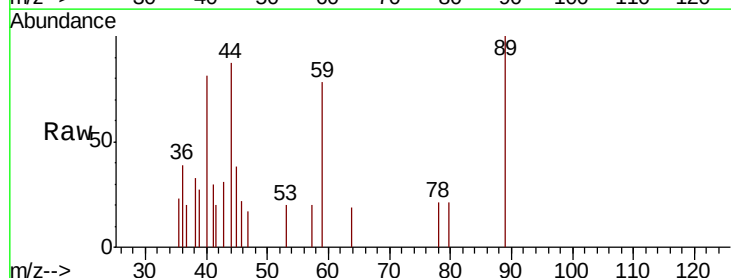
Instrument :
MSVOA_X
ClientSampleId :

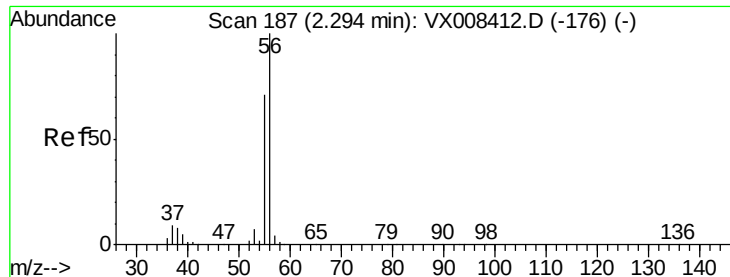
Tot Ion:142 Resp: 1265
Ion Ratio Lower Upper
142 100
127 42.8 33.6 50.4
141 13.9 11.3 16.9



#11
Tert butyl alcohol
Concen: 0.940 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX008575.D
Acq: 01 Apr 2019 17:43

Tgt Ion: 59 Resp: 735
Ion Ratio Lower Upper
59 100
57 3.0 8.2 12.4#





#13

Acrolein

Concen: 0.783 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX008575.D

Acq: 01 Apr 2019 17:43

Instrument :

MSVOA_X

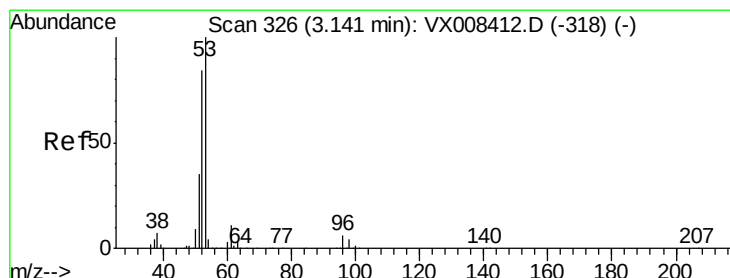
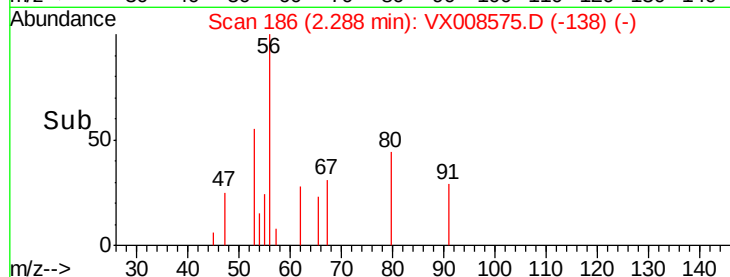
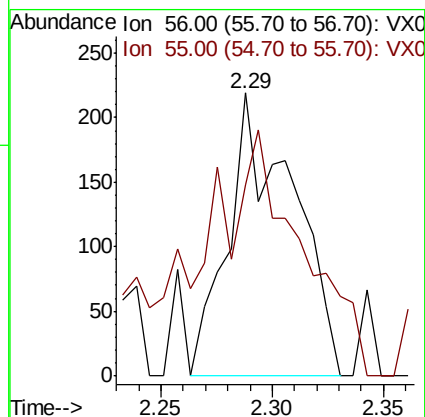
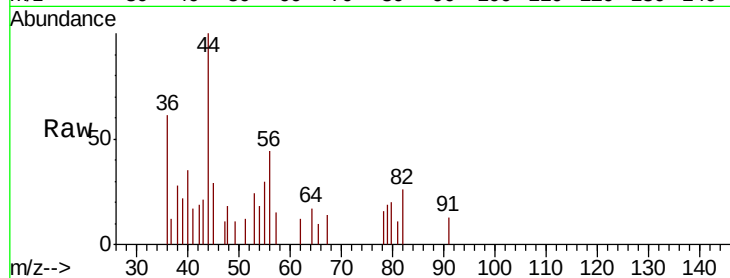
ClientSampleId :

Tot Ion: 56 Resp: 445

Ion Ratio Lower Upper

56 100

55 125.6 56.5 84.7#



#15

Acrylonitrile

Concen: 0.461 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX008575.D

Acq: 01 Apr 2019 17:43

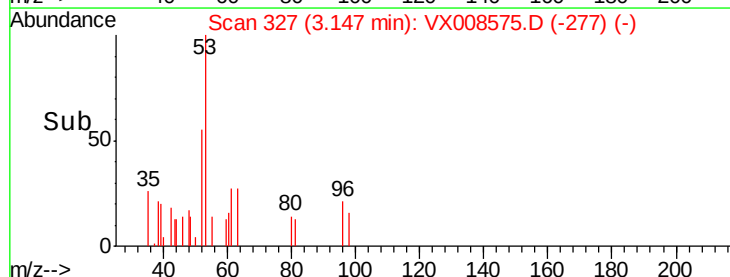
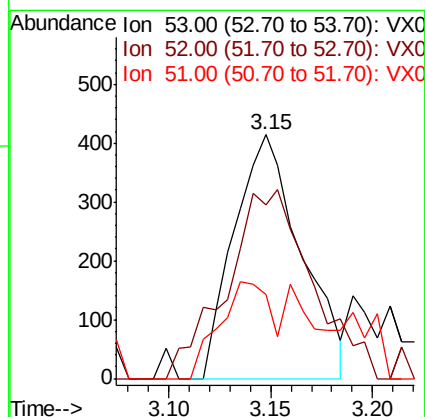
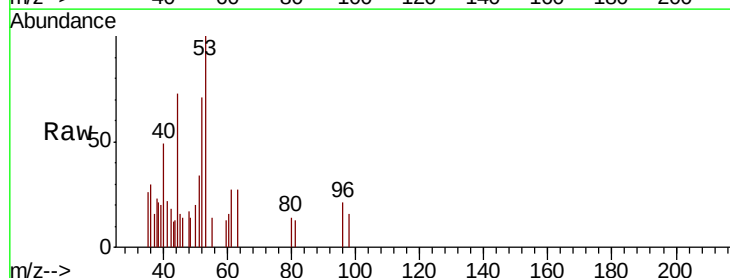
Tgt Ion: 53 Resp: 946

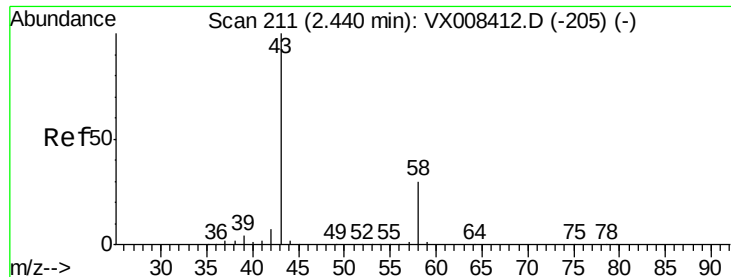
Ion Ratio Lower Upper

53 100

52 98.5 66.5 99.7

51 30.7 28.3 42.5





#16

Acetone

Concen: 4.366 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008575.D

Acq: 01 Apr 2019 17:43

Instrument :

MSVOA_X

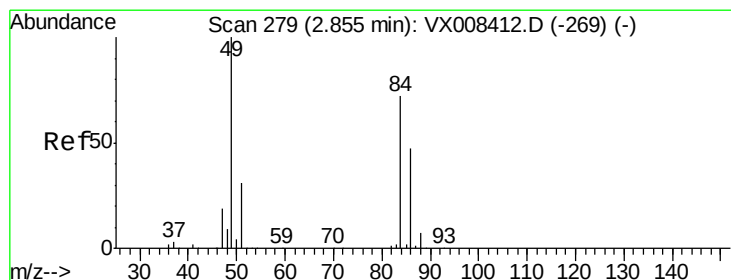
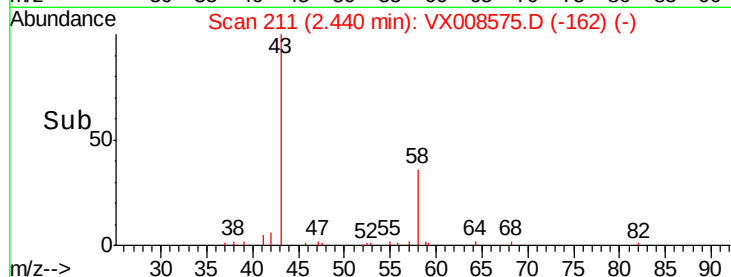
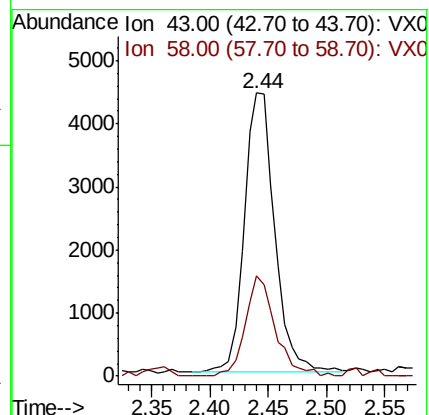
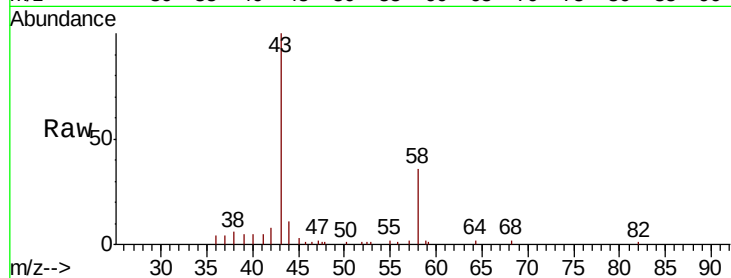
ClientSampleId :

Tot Ion: 43 Resp: 8055

Ion Ratio Lower Upper

43 100

58 36.2 24.2 36.2



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX008575.D

Acq: 01 Apr 2019 17:43

Tgt Ion: 84 Resp: 1108

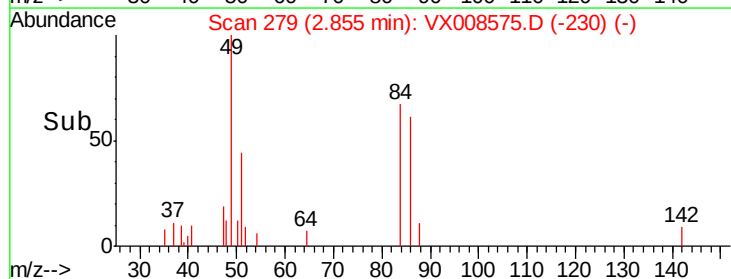
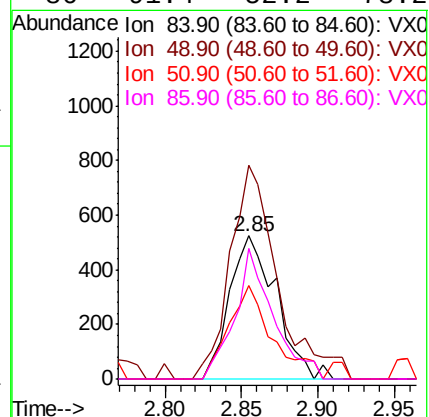
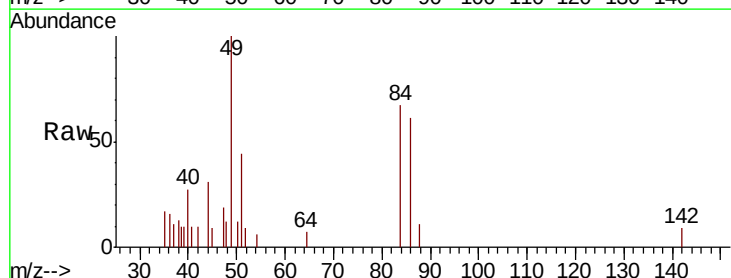
Ion Ratio Lower Upper

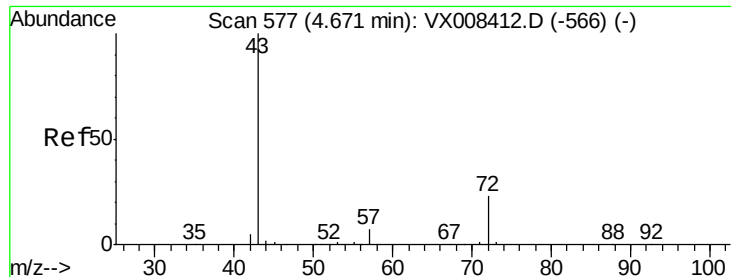
84 100

49 149.0 110.6 165.8

51 65.1 33.9 50.9#

86 91.4 52.2 78.2#





#25

2-Butanone

Concen: 0.686 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008575.D

Acq: 01 Apr 2019 17:43

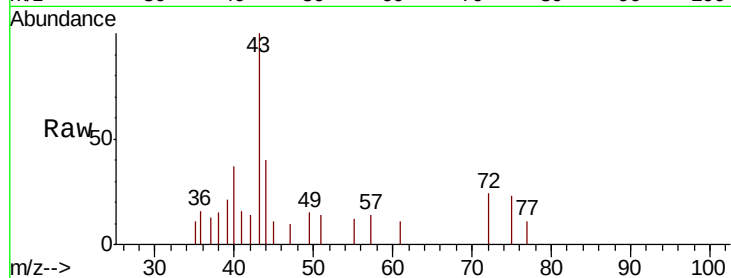
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2028

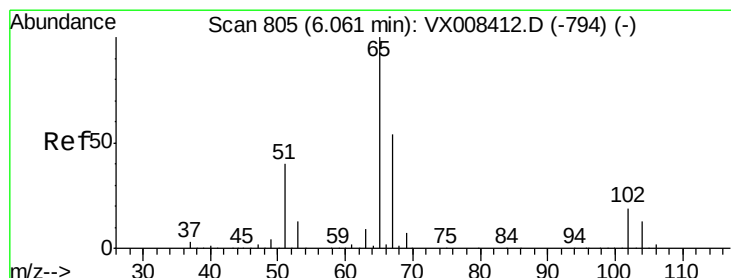
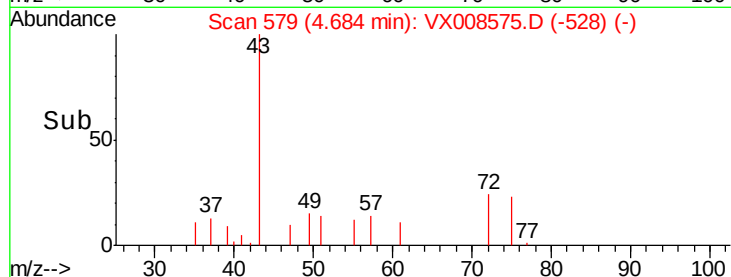
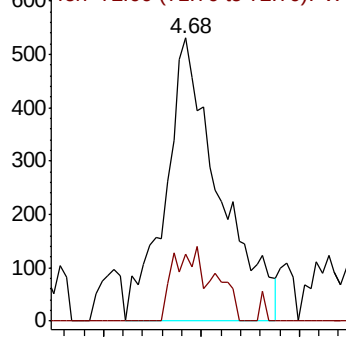
Ion Ratio Lower Upper

43 100

72 23.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.175 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008575.D

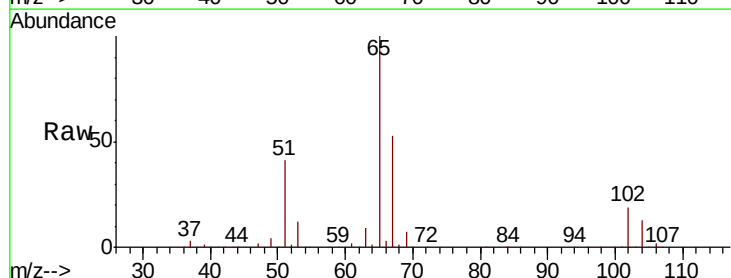
Acq: 01 Apr 2019 17:43

Tgt Ion: 65 Resp: 159470

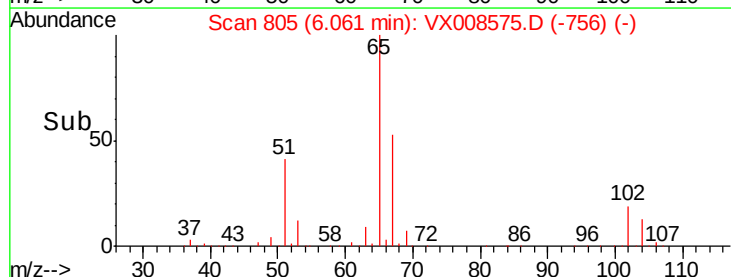
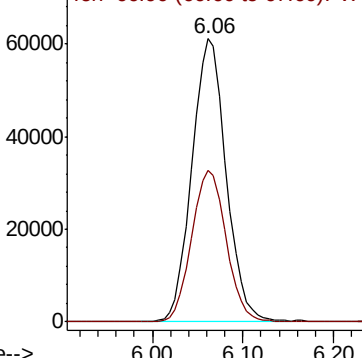
Ion Ratio Lower Upper

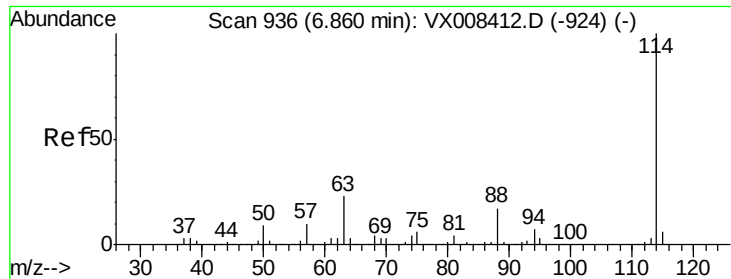
65 100

67 54.2 0.0 109.4



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

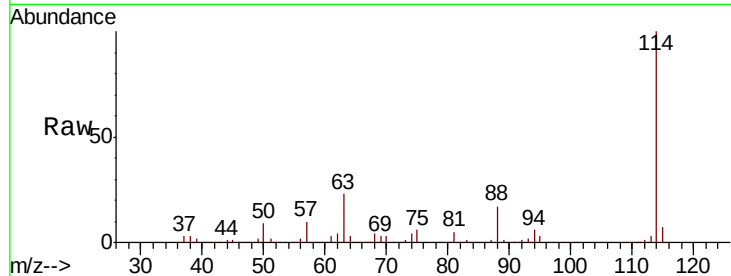




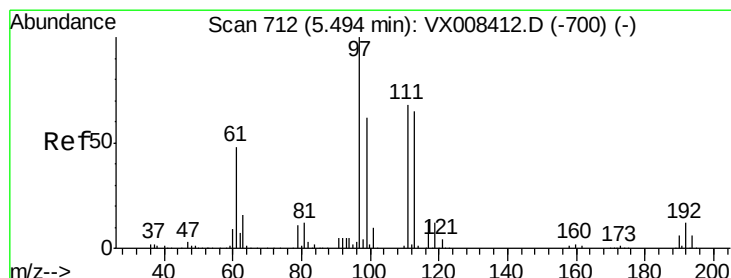
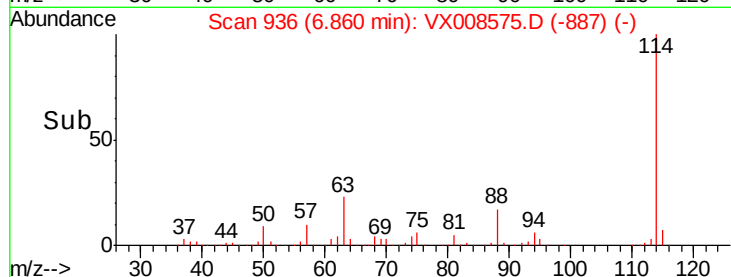
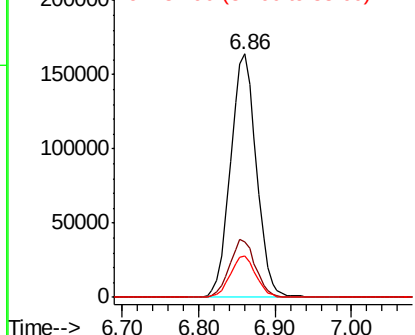
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008575.D
 Acq: 01 Apr 2019 17:43

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 384706
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.4
 88 17.0 0.0 33.2

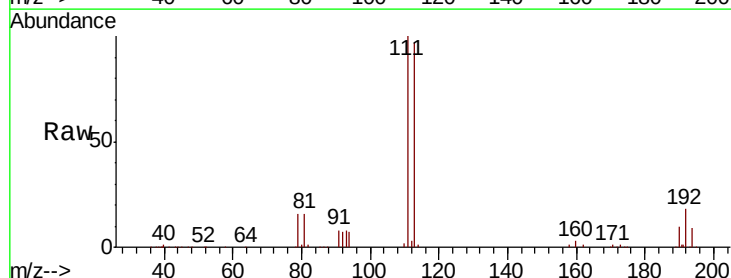


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

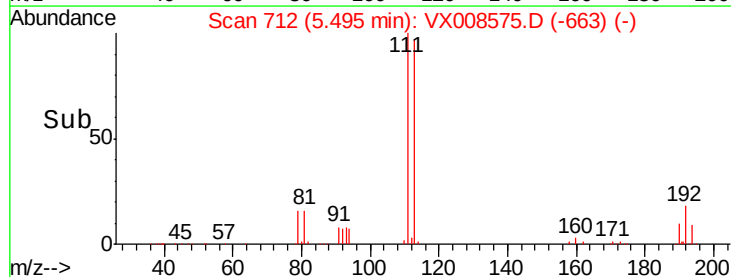
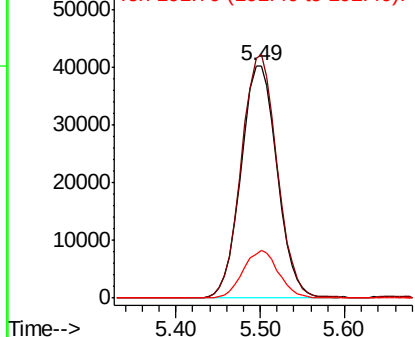


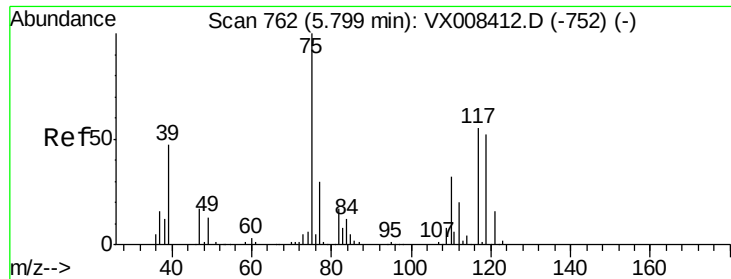
#35
 Dibromofluoromethane
 Concen: 46.840 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX008575.D
 Acq: 01 Apr 2019 17:43

Tgt Ion:113 Resp: 117496
 Ion Ratio Lower Upper
 113 100
 111 103.7 83.0 124.4
 192 20.1 15.6 23.4



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

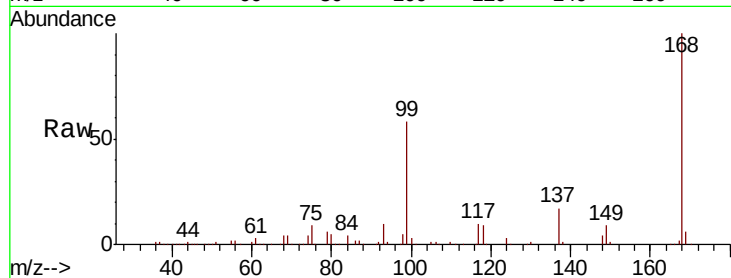




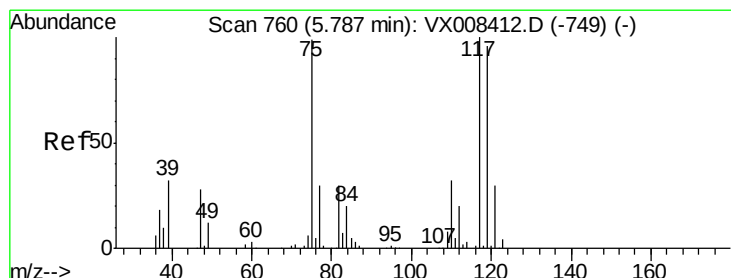
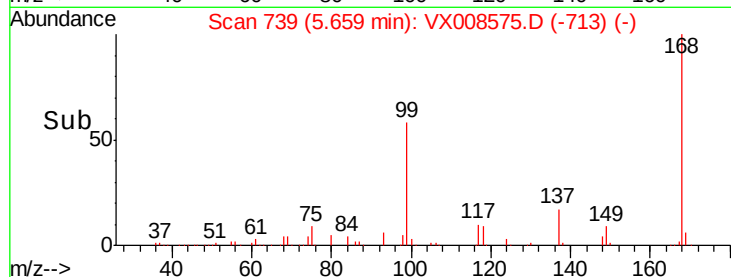
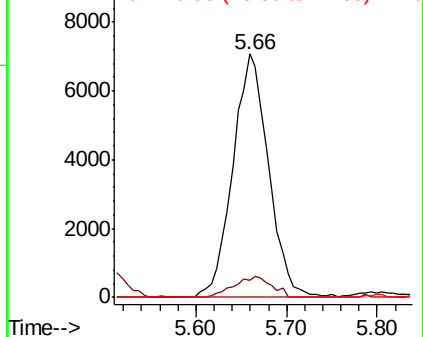
#36
 1,1-Dichloropropene
 Concen: 4.712 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008575.D
 Acq: 01 Apr 2019 17:43

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	75	Resp	19327
Ion Ratio	Lower	Upper	
75	100		
110	8.9	16.6	49.7#
77	0.0	24.2	36.2#

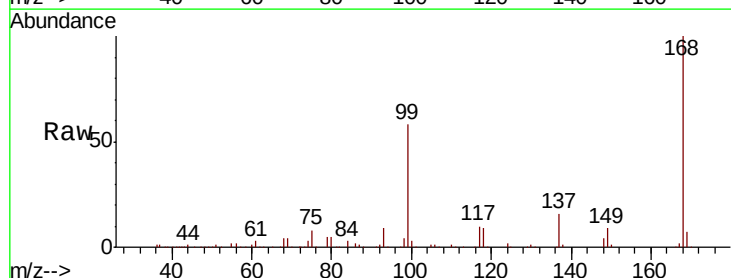


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

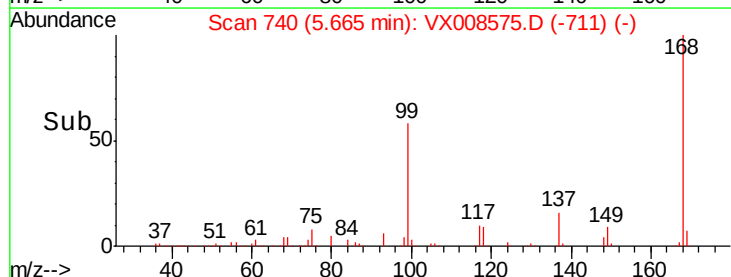
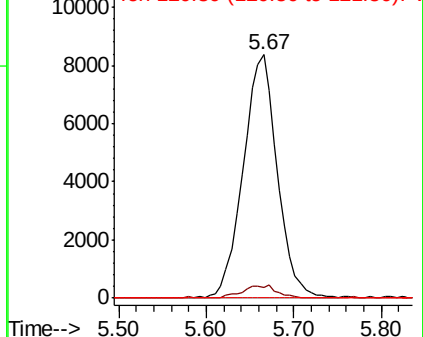


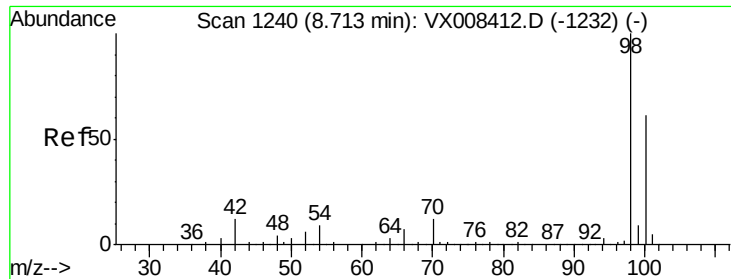
#38
 Carbon Tetrachloride
 Concen: 6.629 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008575.D
 Acq: 01 Apr 2019 17:43

Tgt Ion	117	Resp	22693
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.2	76.7	115.1#
121	0.0	24.3	36.5#



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

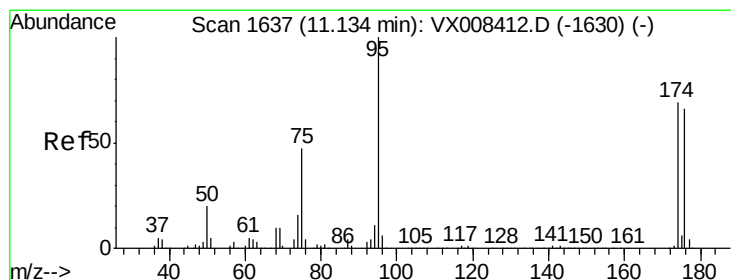
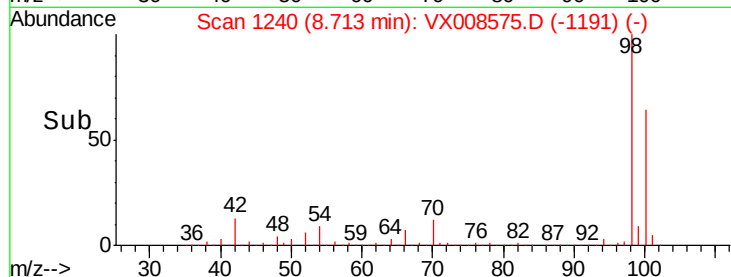
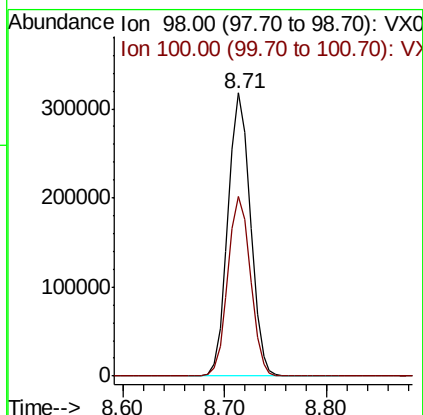
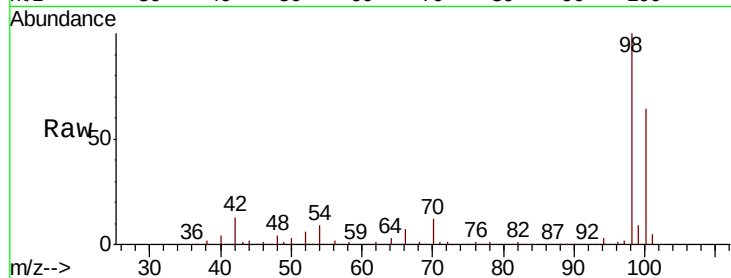




#50
Toluene-d8
Concen: 48.338 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008575.D
Acq: 01 Apr 2019 17:43

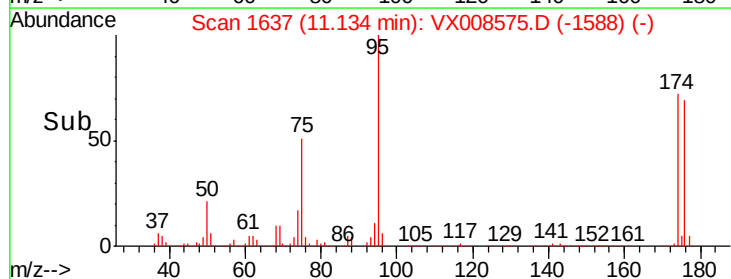
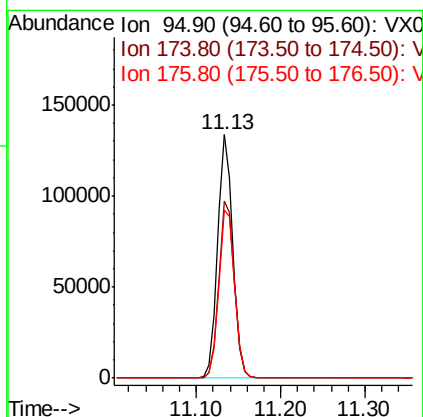
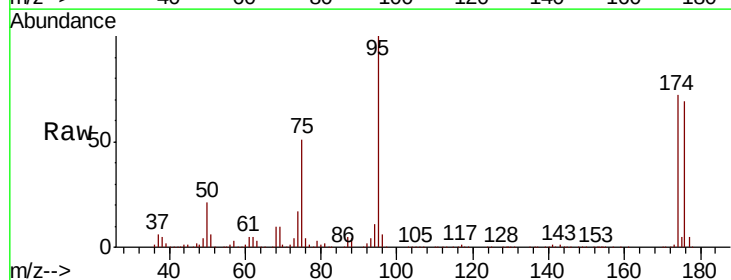
Instrument :
MSVOA_X
ClientSampleId :

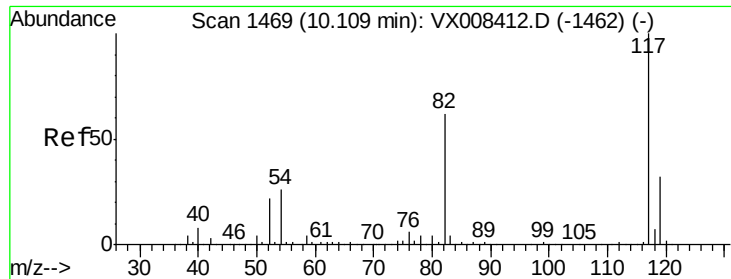
Tot Ion: 98 Resp: 484840
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 44.901 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008575.D
Acq: 01 Apr 2019 17:43

Tgt Ion: 95 Resp: 166891
Ion Ratio Lower Upper
95 100
174 74.6 0.0 147.2
176 72.1 0.0 142.4

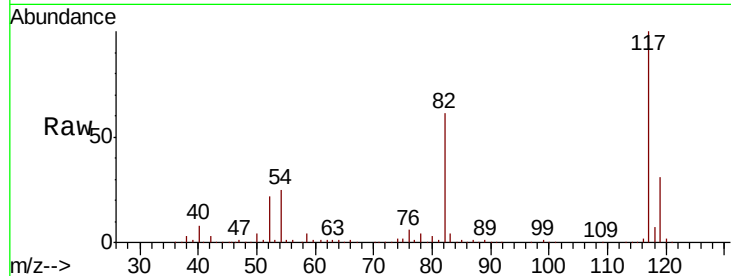




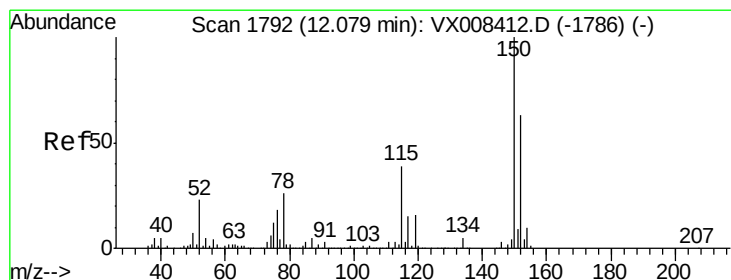
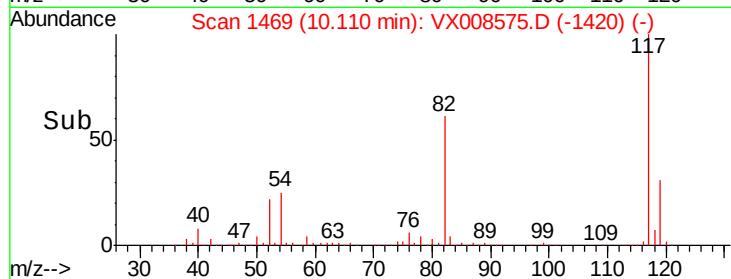
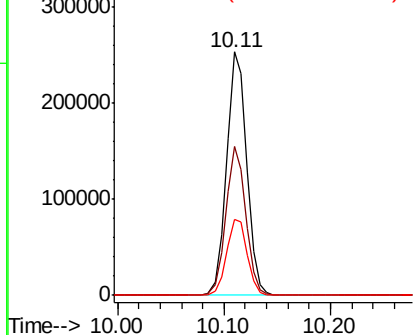
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008575.D
Acq: 01 Apr 2019 17:43

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 336741
Ion Ratio Lower Upper
117 100
82 61.2 49.4 74.2
119 31.2 25.4 38.0

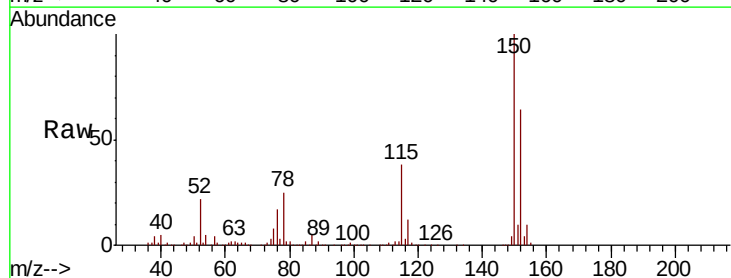


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

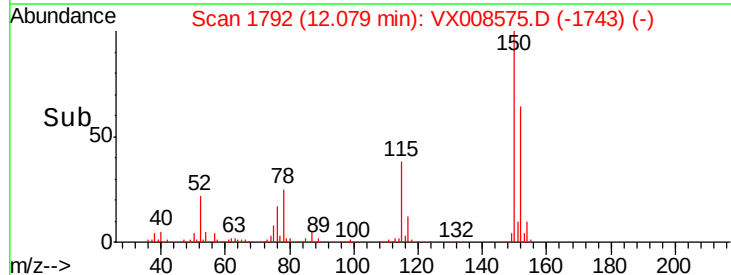
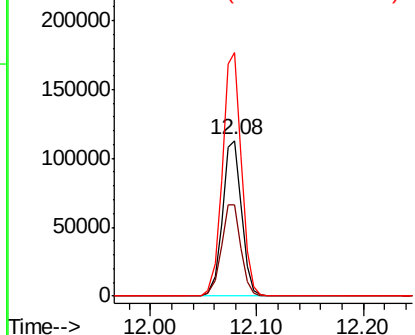


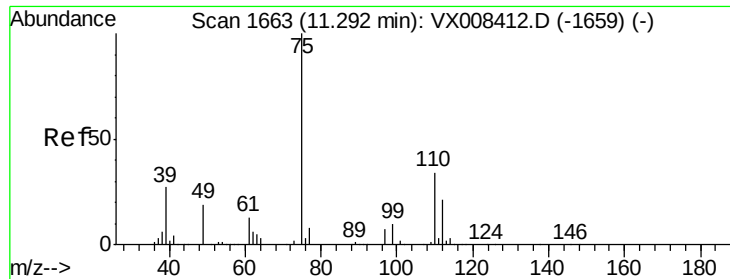
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008575.D
Acq: 01 Apr 2019 17:43

Tgt Ion:152 Resp: 140896
Ion Ratio Lower Upper
152 100
115 60.2 43.5 130.5
150 156.1 0.0 348.8



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

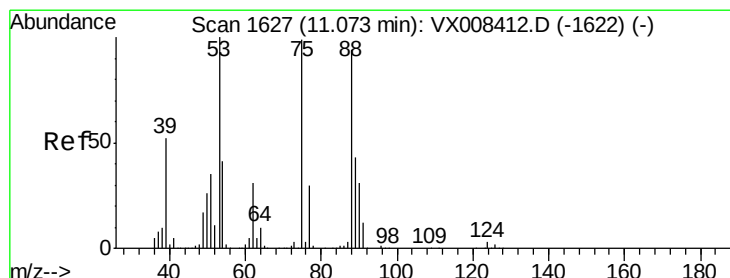
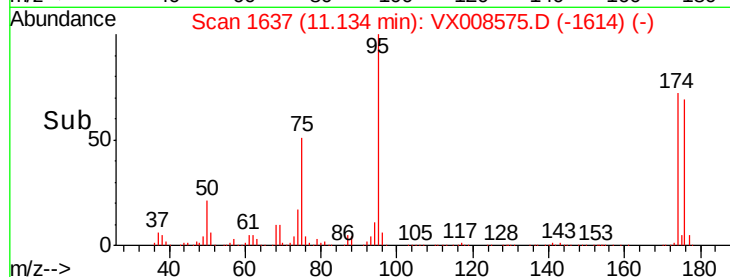
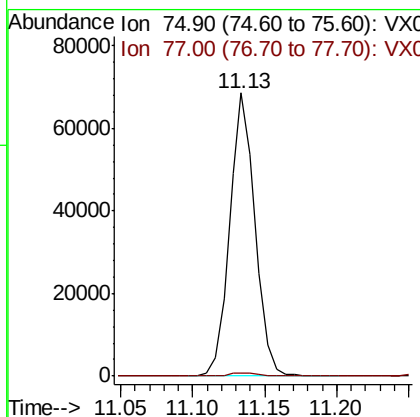
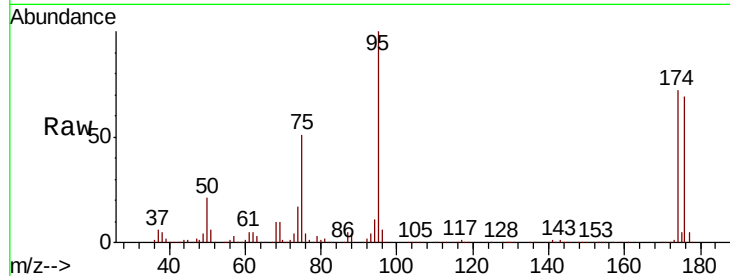




#76
 1,2,3-Trichloropropane
 Concen: 20.187 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008575.D
 Acq: 01 Apr 2019 17:43

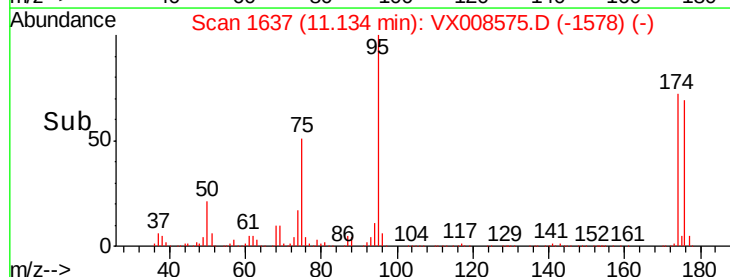
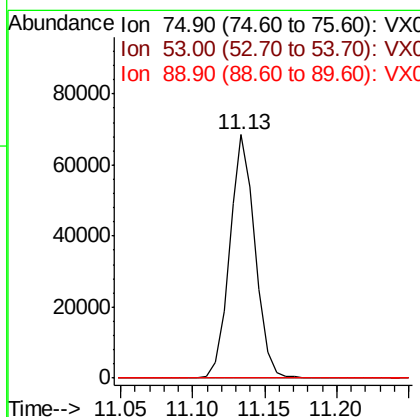
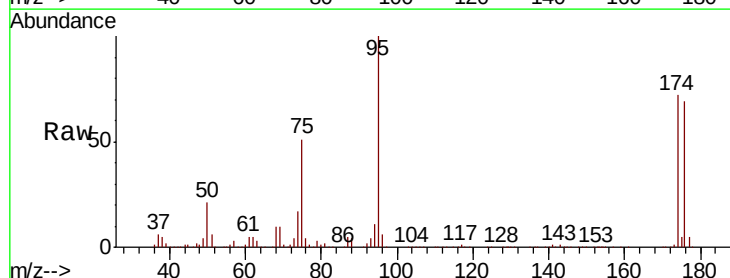
Instrument :
 MSVOA_X
 ClientSampleId :

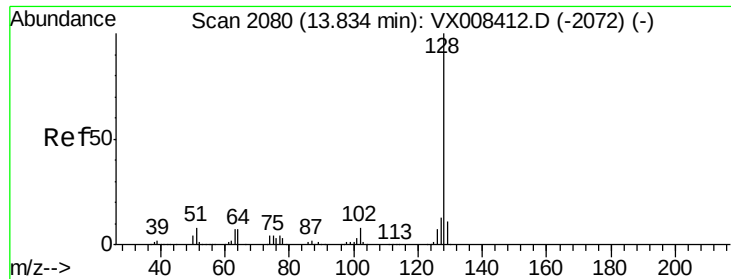
Tot Ion: 75 Resp: 84557
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.9 65.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.655 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008575.D
 Acq: 01 Apr 2019 17:43

Tgt Ion: 75 Resp: 84557
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.1 123.1#
 89 0.0 34.6 52.0#

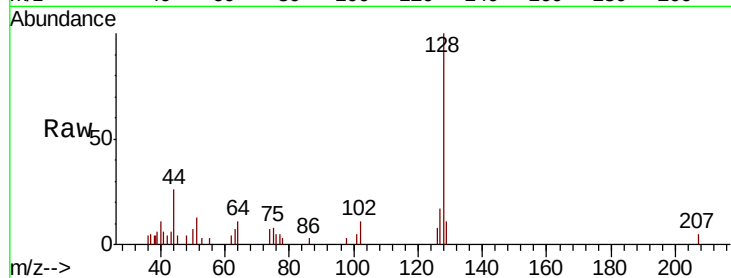




#95
 Naphthalene
 Concen: 0.234 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX008575.D
 Acq: 01 Apr 2019 17:43

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.9	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

