

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009426.D
 Acq On : 09 May 2019 14:38
 Operator : JC/SP
 Sample : K2748-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:06:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	190069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	304749	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	267939	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115707	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	123901	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
35) Dibromofluoromethane	5.49	113	92812	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	8.71	98	380484	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	129746	46.17	ug/l	0.00
Spiked Amount			Recovery	=	92.34%	

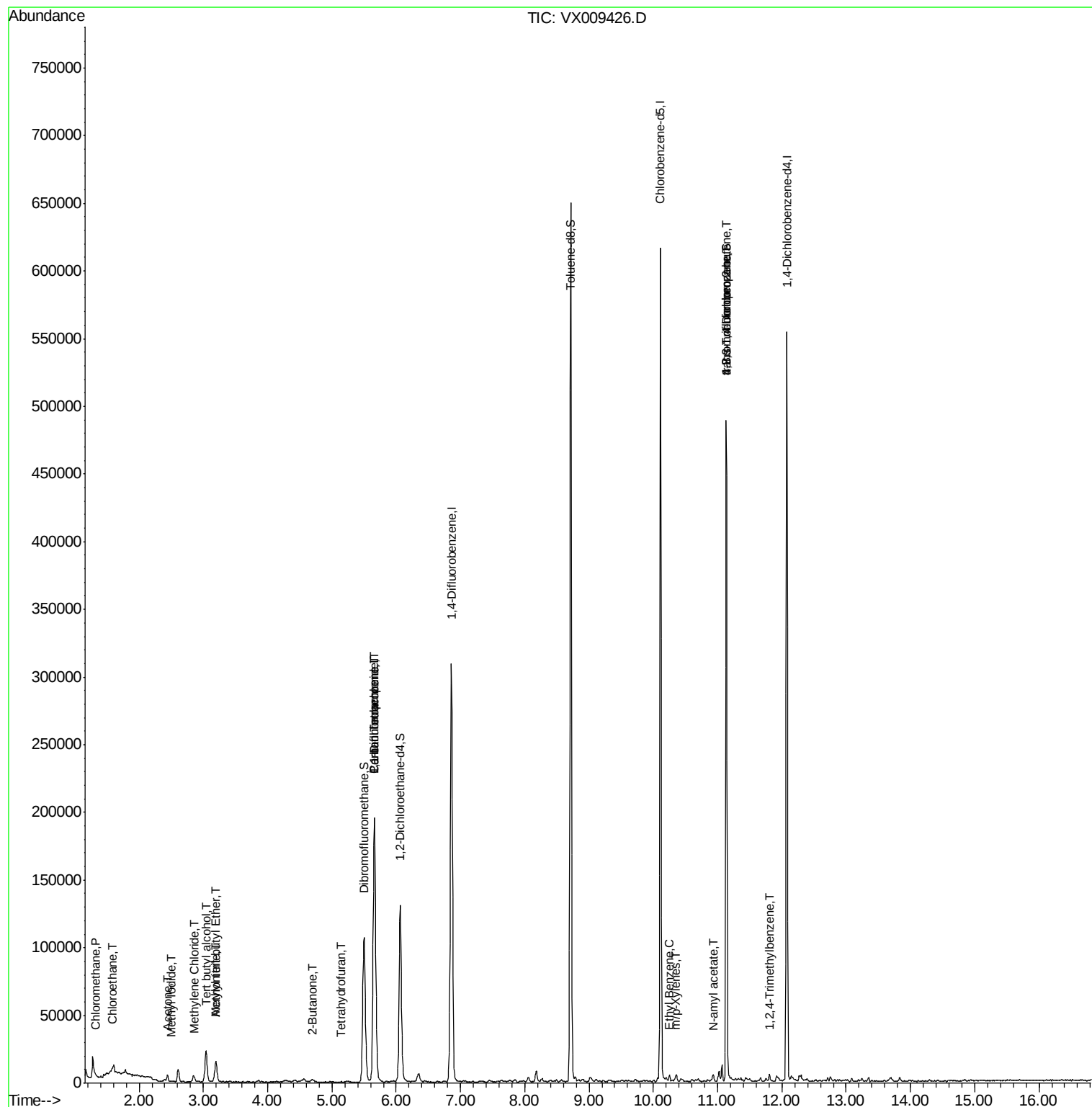
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	530	0.222	ug/l #	85
6) Chloroethane	1.57	64	14042	9.379	ug/l #	56
10) Methyl Iodide	2.51	142	130	4.651	ug/l #	86
11) Tert butyl alcohol	3.04	59	27839	46.352	ug/l	99
15) Acrylonitrile	3.20	53	572	0.390	ug/l #	35
16) Acetone	2.44	43	5206	3.737	ug/l	97
19) Methyl tert-butyl Ether	3.19	73	16975	2.451	ug/l	100
20) Methylene Chloride	2.87	84	470	0.208	ug/l #	63
25) 2-Butanone	4.69	43	748	0.345	ug/l #	78
28) Bromochloromethane	5.02	49	24	Below Cal	#	20
29) Tetrahydrofuran	5.13	42	295	0.212	ug/l #	38
36) 1,1-Dichloropropene	5.66	75	14536	5.133	ug/l #	52
38) Carbon Tetrachloride	5.66	117	17587	6.835	ug/l #	15
67) Ethyl Benzene	10.25	91	2549	0.258	ug/l #	82
68) m/p-Xylenes	10.35	106	1102	0.306	ug/l	92
74) N-amyl acetate	10.94	43	2017	0.411	ug/l #	46
76) 1,2,3-Trichloropropane	11.13	75	64751	24.125	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64751	61.727	ug/l #	11
84) 1,2,4-Trimethylbenzene	11.81	105	1992	0.280	ug/l	92

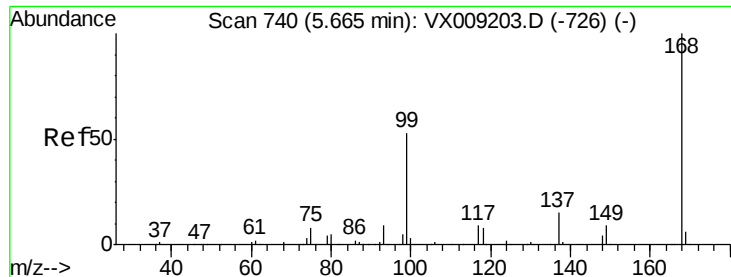
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

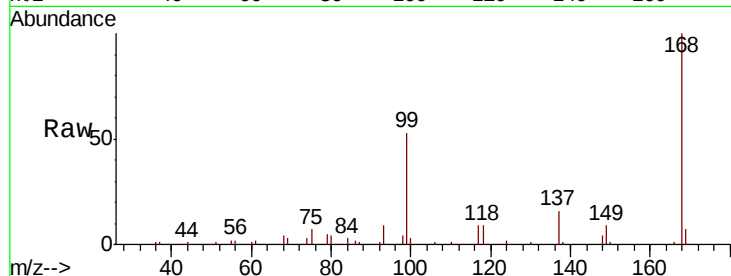
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 190069

Ion Ratio Lower Upper

168 100

99 52.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

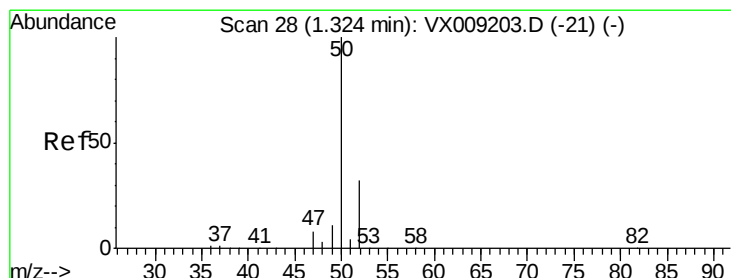
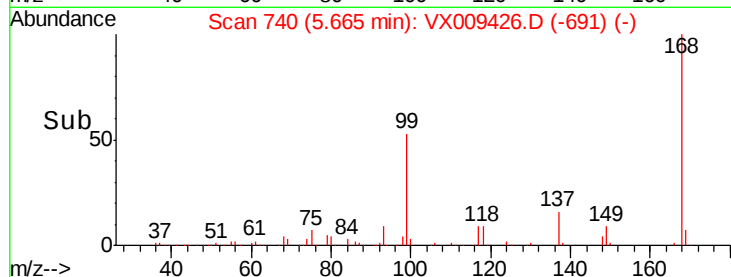
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.222 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009426.D

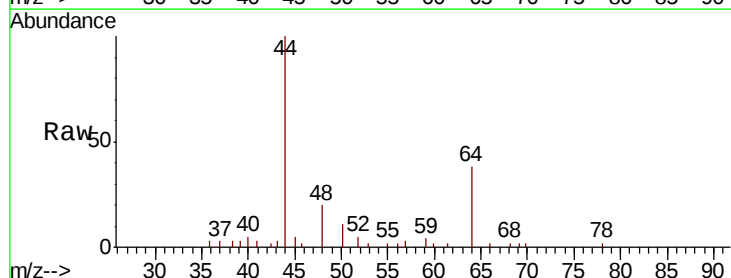
Acq: 09 May 2019 14:38

Tgt Ion: 50 Resp: 530

Ion Ratio Lower Upper

50 100

52 40.9 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

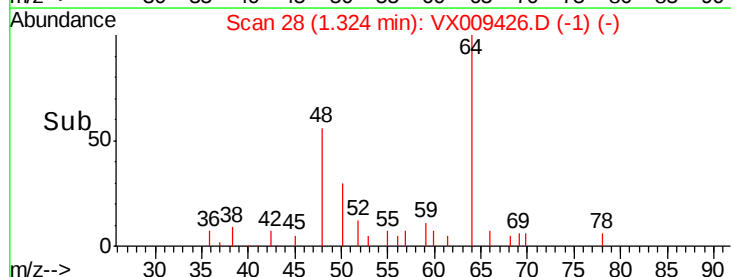
300

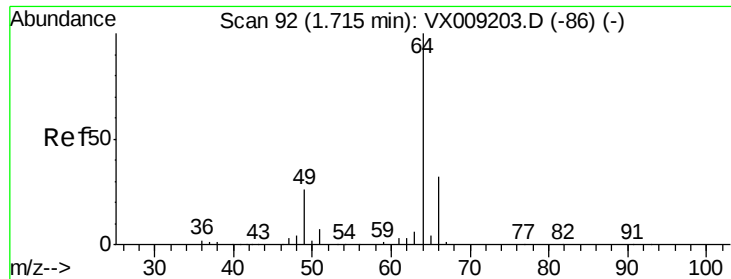
200

100

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 9.379 ug/l

RT: 1.57 min Scan# 69

Delta R.T. -0.14 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

Instrument :

MSVOA_X

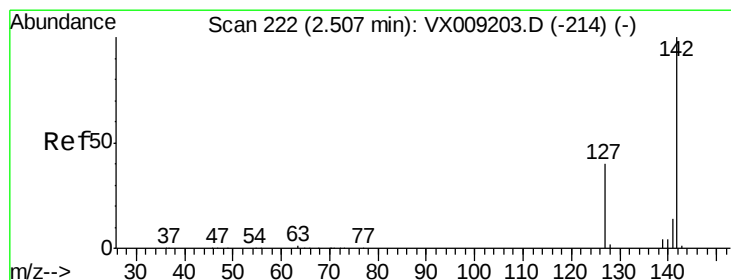
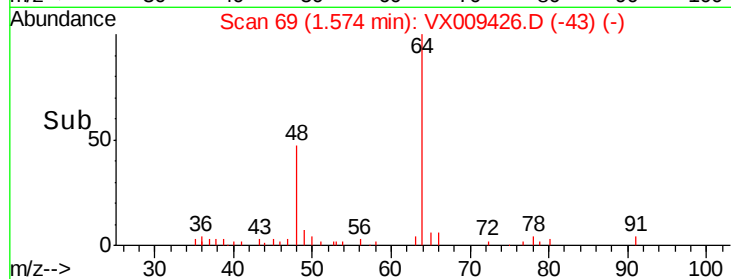
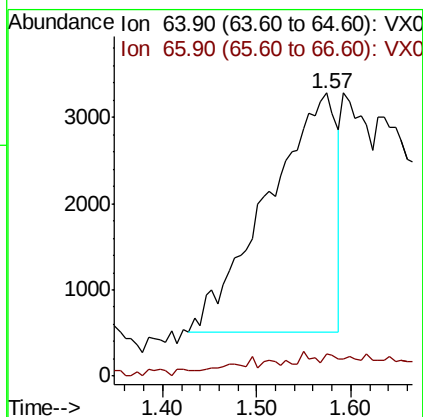
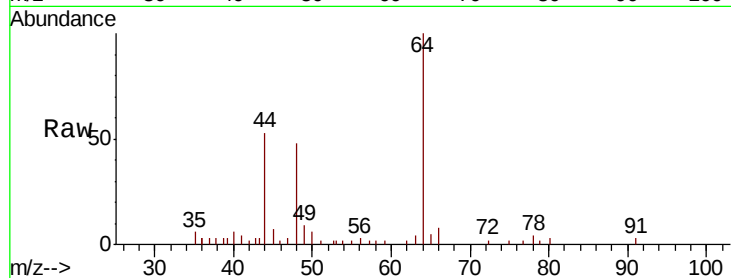
ClientSampleId :

Tot Ion: 64 Resp: 14042

Ion Ratio Lower Upper

64 100

66 7.0 25.3 37.9#



#10

Methyl Iodide

Concen: 4.651 ug/l

RT: 2.51 min Scan# 222

Delta R.T. -0.00 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

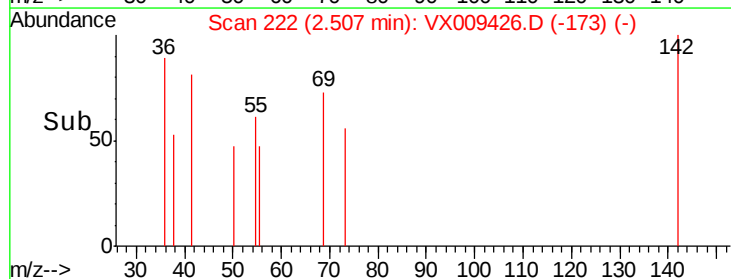
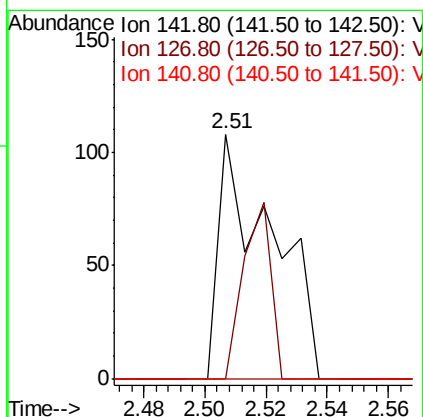
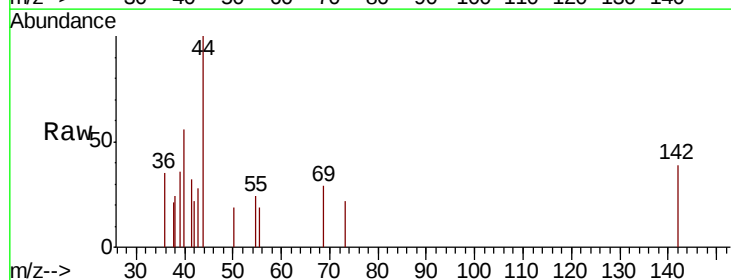
Tgt Ion: 142 Resp: 130

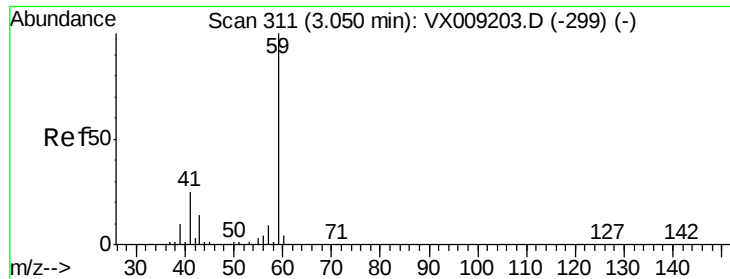
Ion Ratio Lower Upper

142 100

127 36.9 32.7 49.1

141 0.0 11.5 17.3#



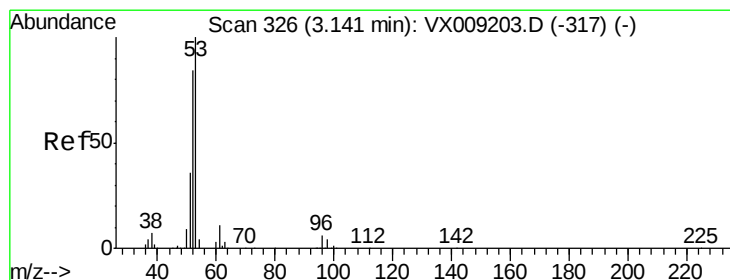
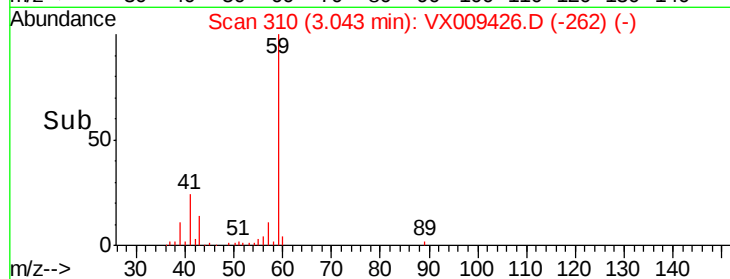
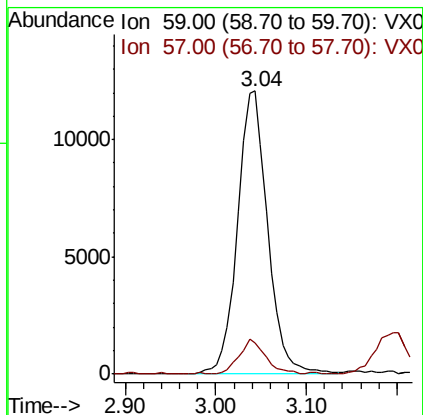
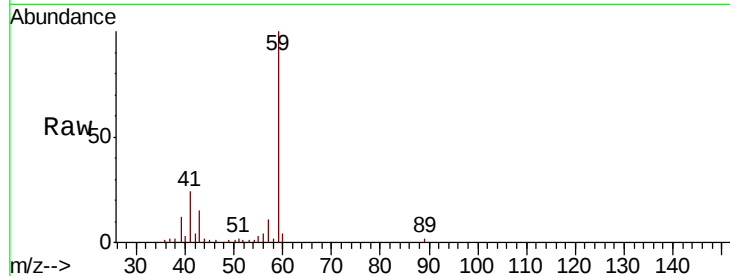


#11

Tert butyl alcohol
 Concen: 46.352 ug/l
 RT: 3.04 min Scan# 310
 Delta R.T. -0.01 min
 Lab File: VX009426.D
 Acq: 09 May 2019 14:38

Instrument :
 MSVOA_X
 ClientSampled :

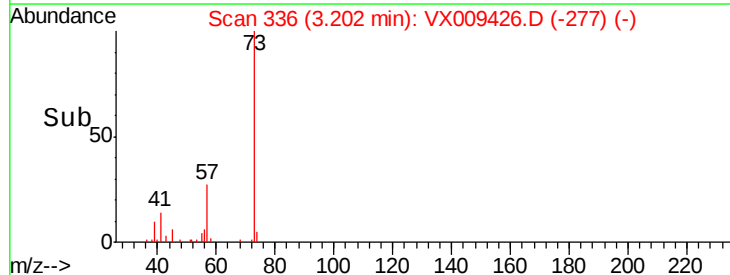
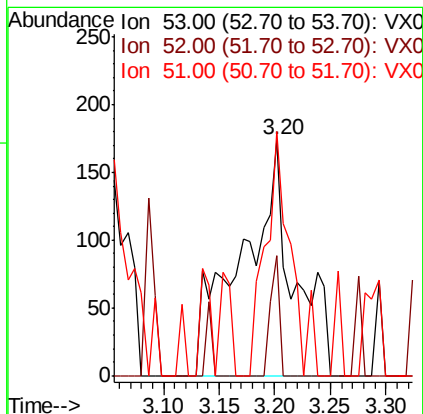
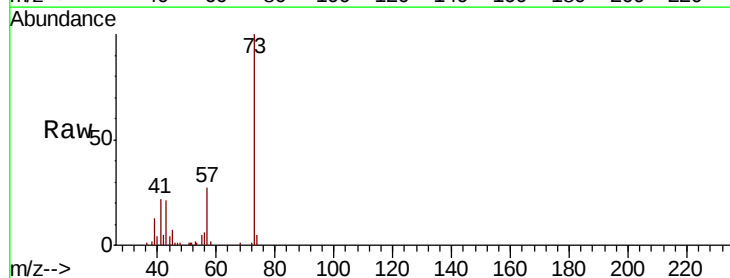
Tot Ion: 59 Resp: 27839
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.2 12.2

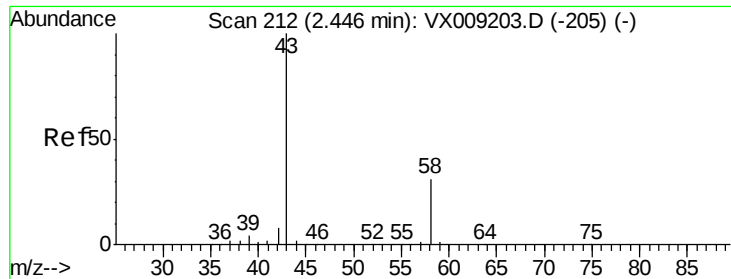


#15

Acrylonitrile
 Concen: 0.390 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.06 min
 Lab File: VX009426.D
 Acq: 09 May 2019 14:38

Tgt Ion: 53 Resp: 572
 Ion Ratio Lower Upper
 53 100
 52 9.3 66.9 100.3#
 51 50.2 28.2 42.2#





#16

Acetone

Concen: 3.737 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

Instrument :

MSVOA_X

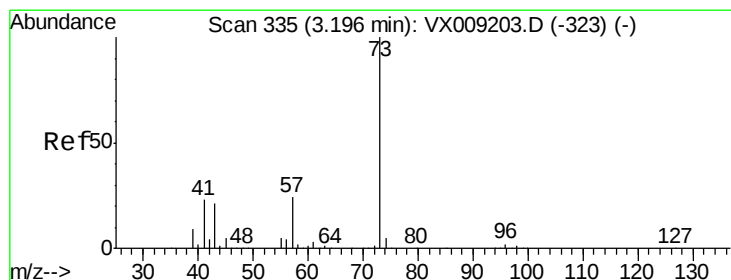
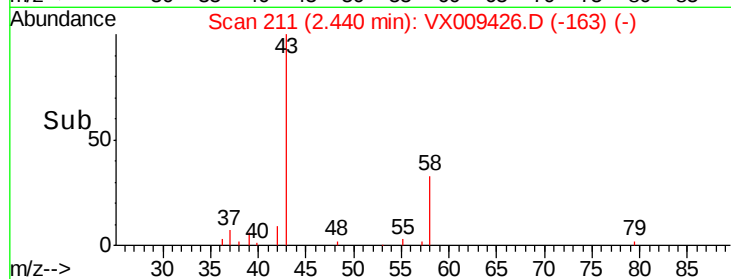
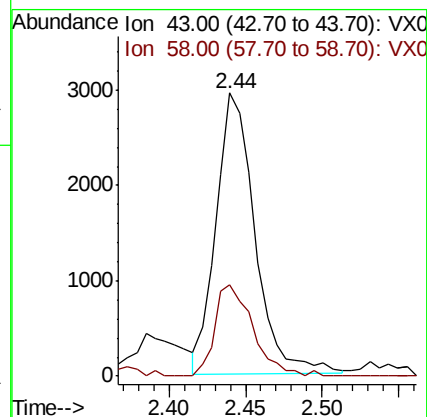
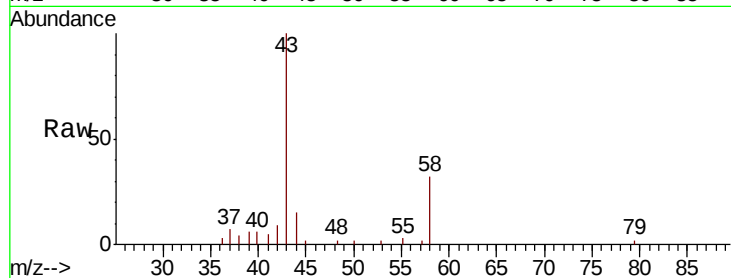
ClientSampleId :

Tot Ion: 43 Resp: 5206

Ion Ratio Lower Upper

43 100

58 32.9 24.9 37.3



#19

Methyl tert-butyl Ether

Concen: 2.451 ug/l

RT: 3.19 min Scan# 334

Delta R.T. -0.01 min

Lab File: VX009426.D

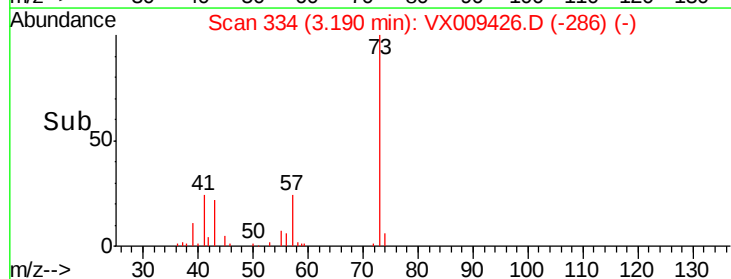
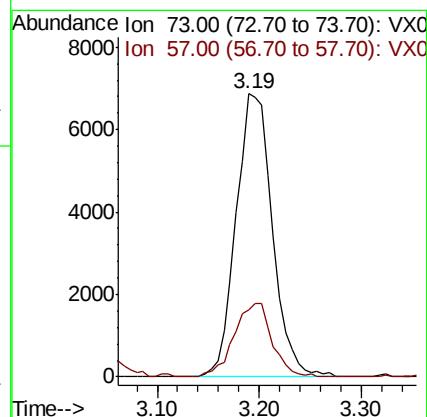
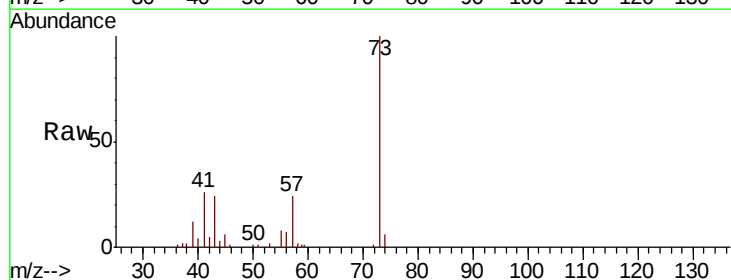
Acq: 09 May 2019 14:38

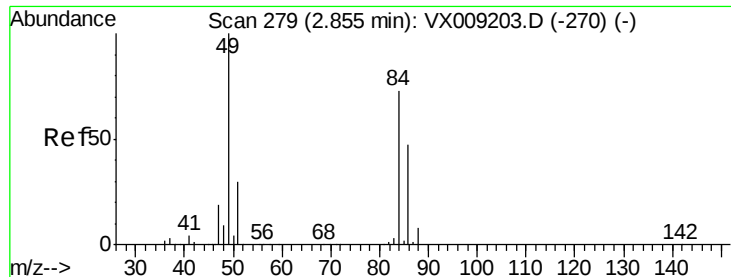
Tgt Ion: 73 Resp: 16975

Ion Ratio Lower Upper

73 100

57 23.9 19.3 28.9

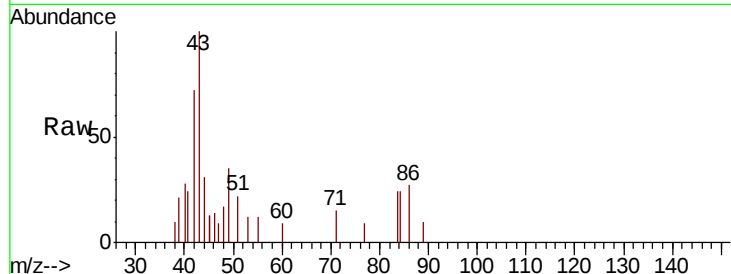




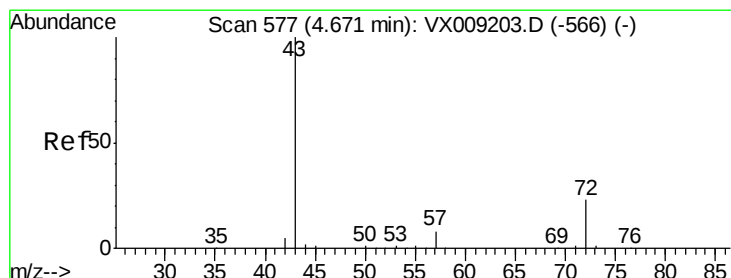
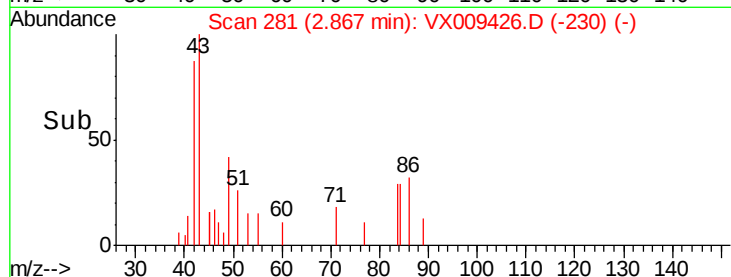
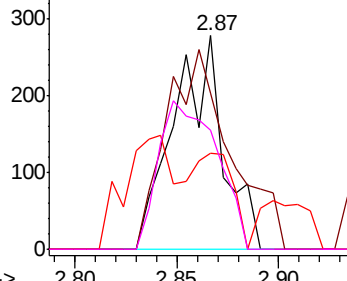
#20
Methvlene Chloride
Concen: 0.208 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX009426.D
Acq: 09 May 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 84 Resp: 470
Ion Ratio Lower Upper
84 100
49 73.0 109.9 164.9#
51 25.5 32.7 49.1#
86 55.8 52.0 78.0

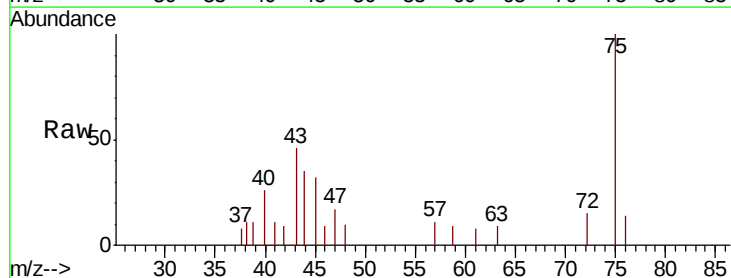


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

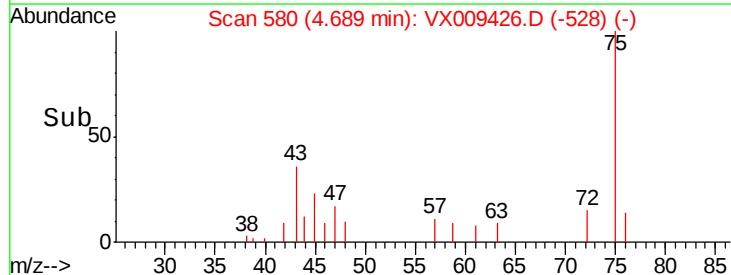
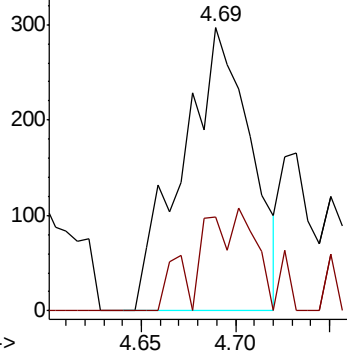


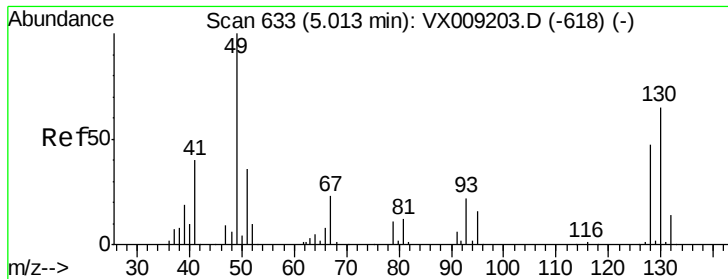
#25
2-Butanone
Concen: 0.345 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX009426.D
Acq: 09 May 2019 14:38

Tgt Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
72 33.3 18.2 27.2#



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





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 635

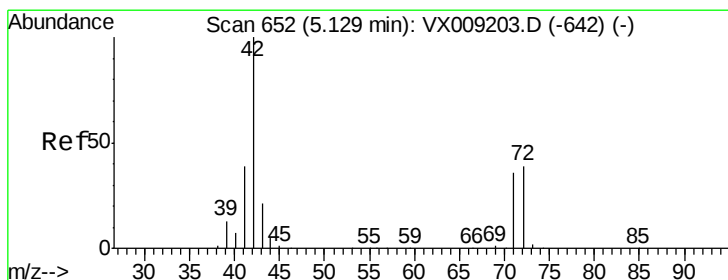
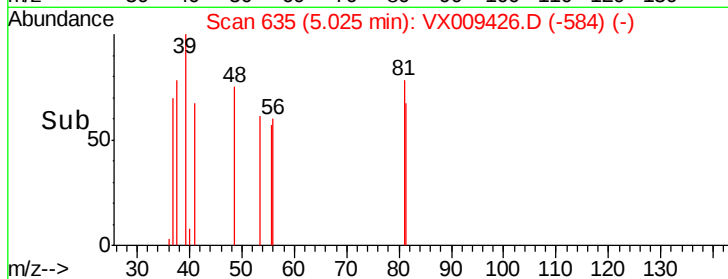
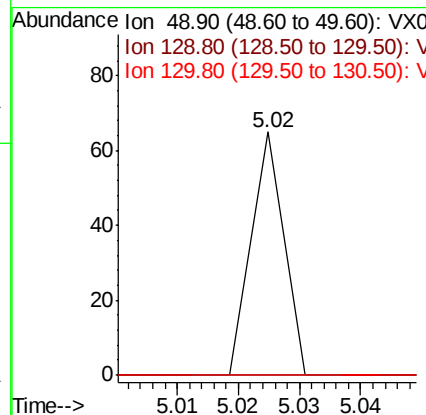
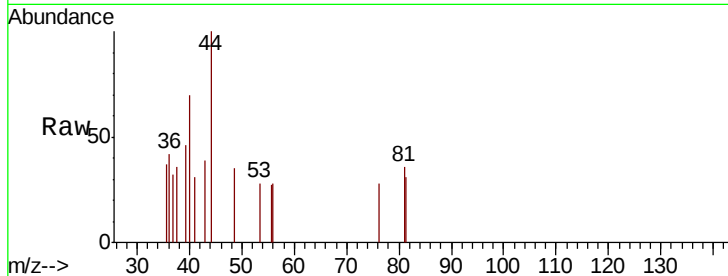
Delta R.T. 0.01 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 24
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



#29

Tetrahydrofuran

Concen: 0.212 ug/l

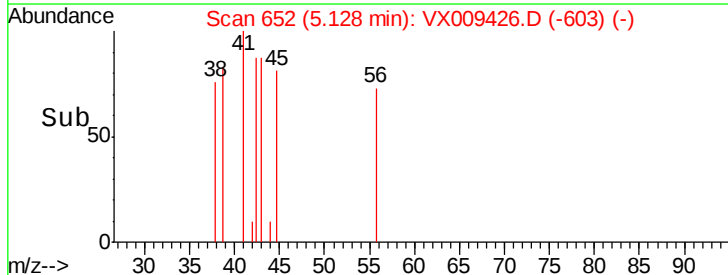
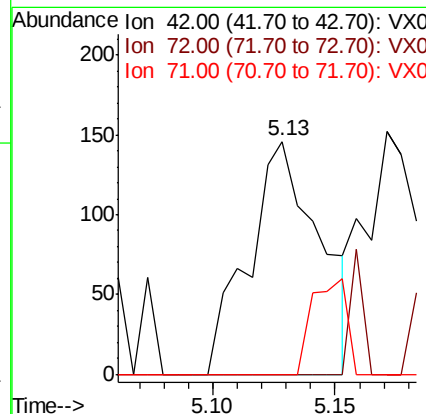
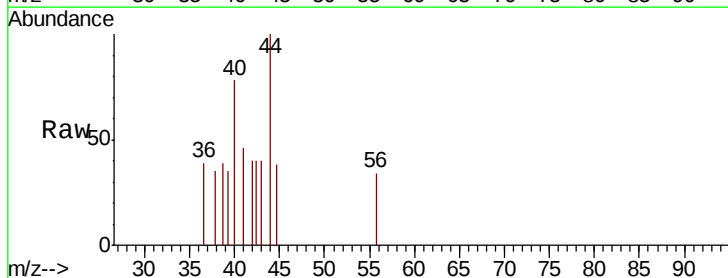
RT: 5.13 min Scan# 652

Delta R.T. -0.00 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

Tgt Ion: 42 Resp: 295
Ion Ratio Lower Upper
42 100
72 0.0 30.4 45.6#
71 0.0 28.6 43.0#





#33

1,2-Dichloroethane-d4

Concen: 47.752 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

Instrument :

MSVOA_X

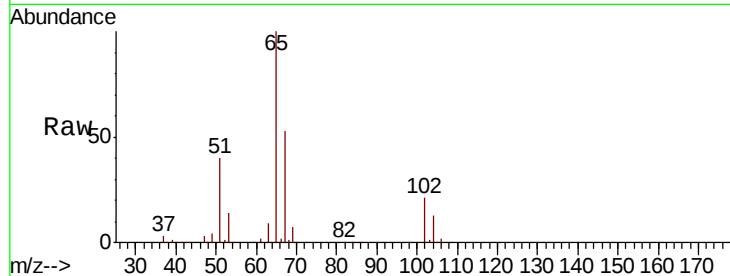
ClientSampled :

Tot Ion: 65 Resp: 123901

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

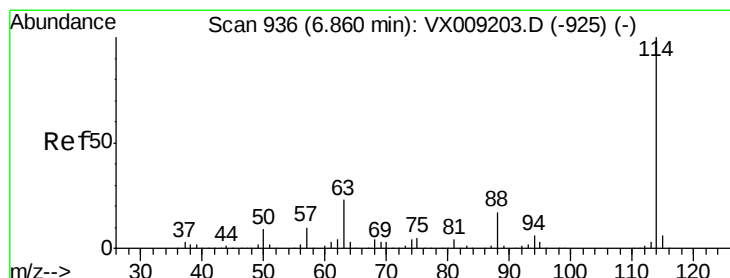
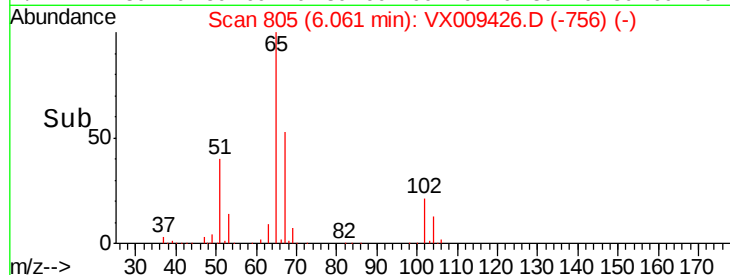
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

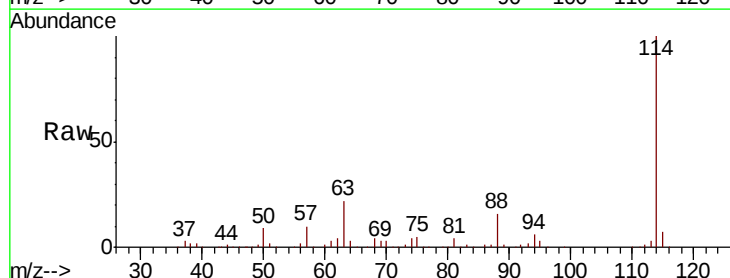
Tgt Ion: 114 Resp: 304749

Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.6

88 16.1 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

6.86

150000

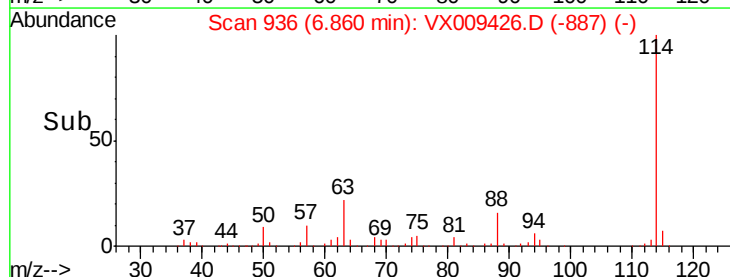
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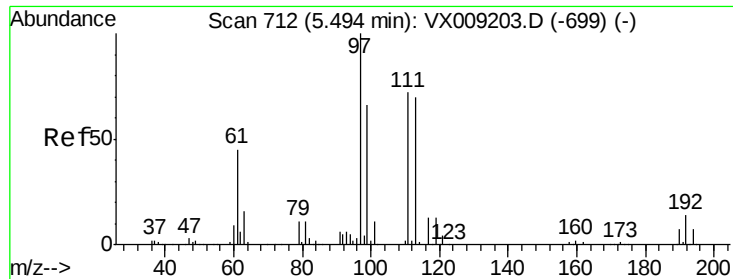
50000

0

Time-->

6.80 6.90 7.00

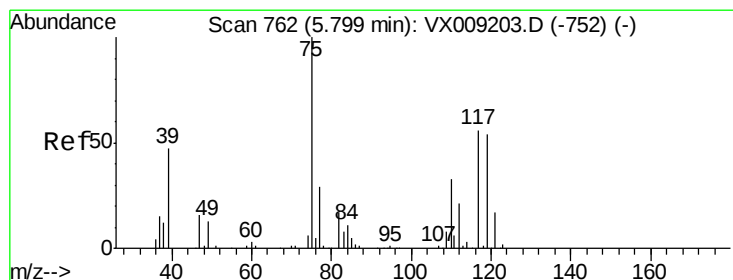
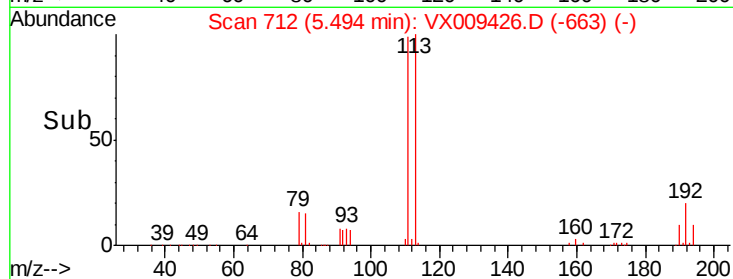
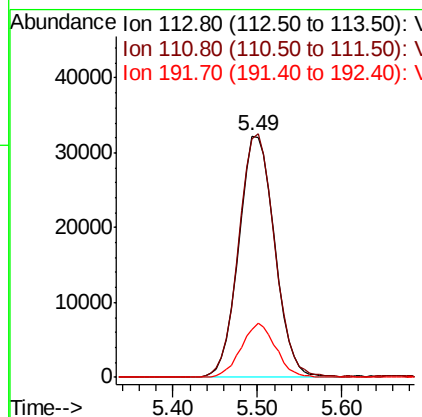
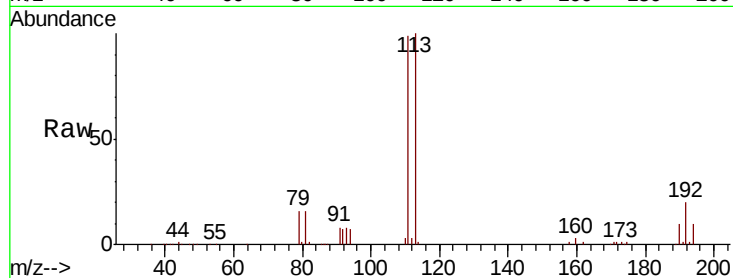




#35
 Dibromofluoromethane
 Concen: 48.446 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009426.D
 Acq: 09 May 2019 14:38

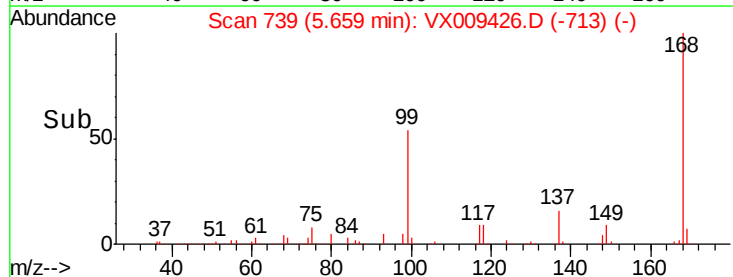
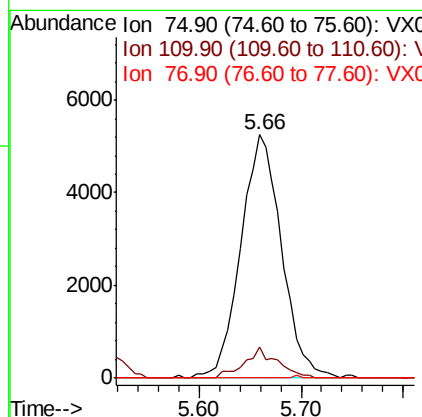
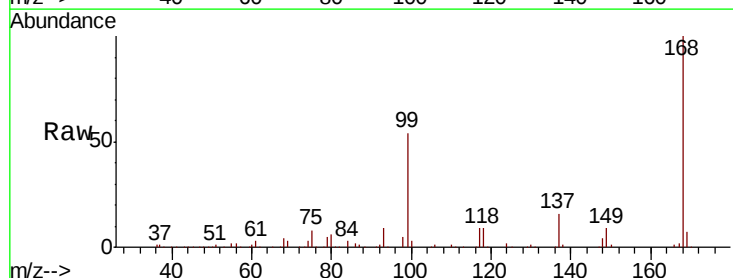
Instrument :
 MSVOA_X
 ClientSampleId :

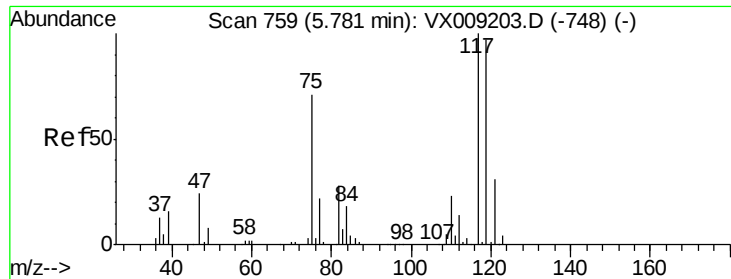
Tot Ion:113 Resp: 92812
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.8 124.2
 192 21.4 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 5.133 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009426.D
 Acq: 09 May 2019 14:38

Tgt Ion: 75 Resp: 14536
 Ion Ratio Lower Upper
 75 100
 110 10.2 16.9 50.6#
 77 0.0 24.8 37.2#

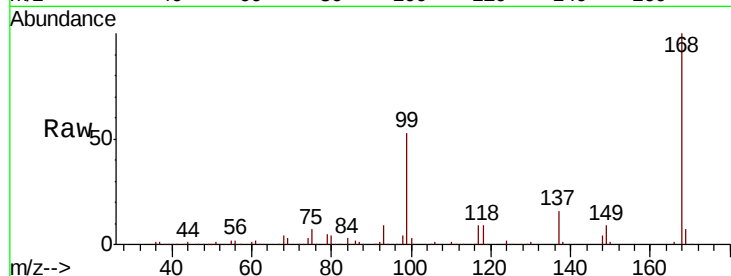




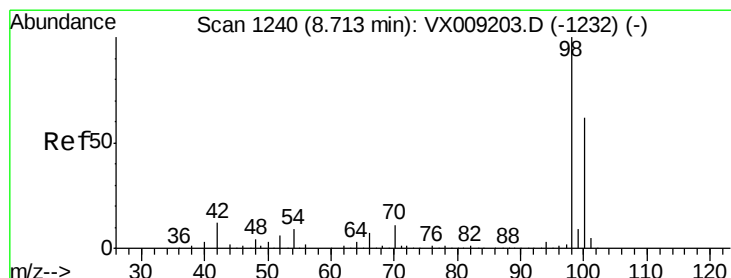
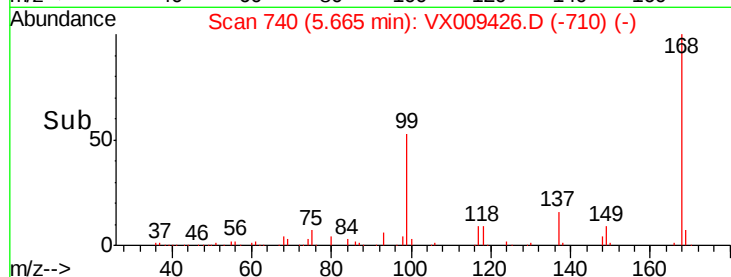
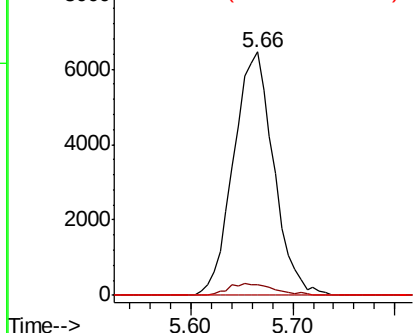
#38
Carbon Tetrachloride
Concen: 6.835 ug/l
RT: 5.66 min Scan# 740
Delta R.T. -0.12 min
Lab File: VX009426.D
Acq: 09 May 2019 14:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 17587
Ion Ratio Lower Upper
117 100
119 4.5 77.5 116.3#
121 0.0 24.7 37.1#

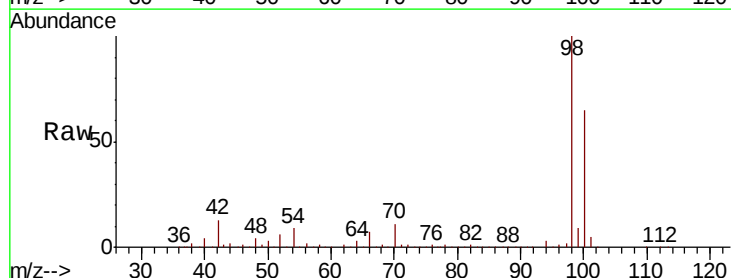


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

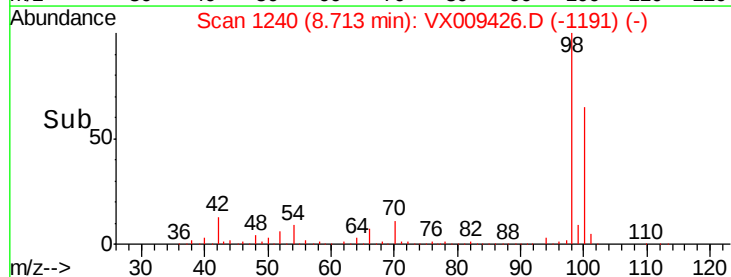
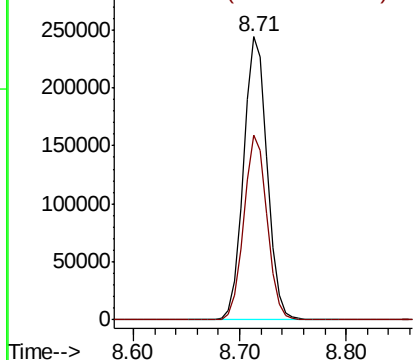


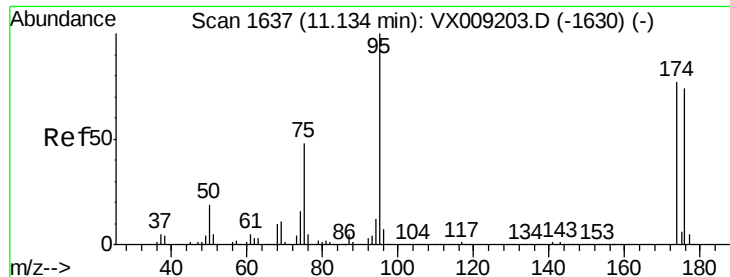
#50
Toluene-d8
Concen: 49.193 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009426.D
Acq: 09 May 2019 14:38

Tgt Ion: 98 Resp: 380484
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



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





#62

4-Bromofluorobenzene

Concen: 46.166 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

Instrument :

MSVOA_X

ClientSampled :

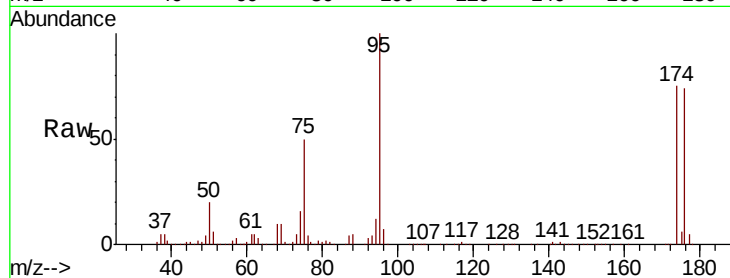
Tot Ion: 95 Resp: 129746

Ion Ratio Lower Upper

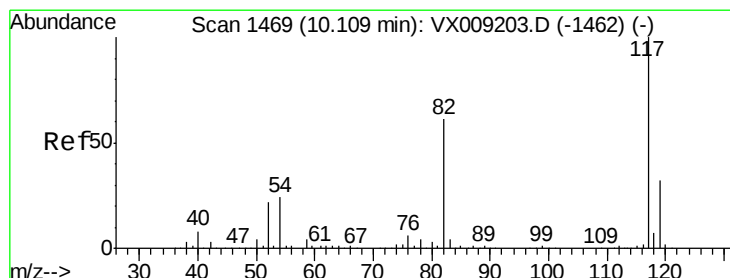
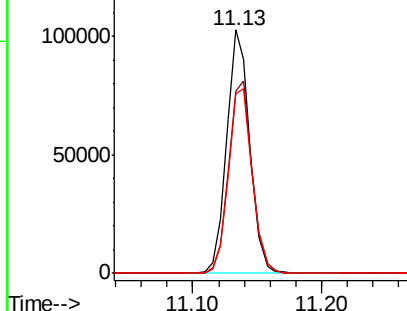
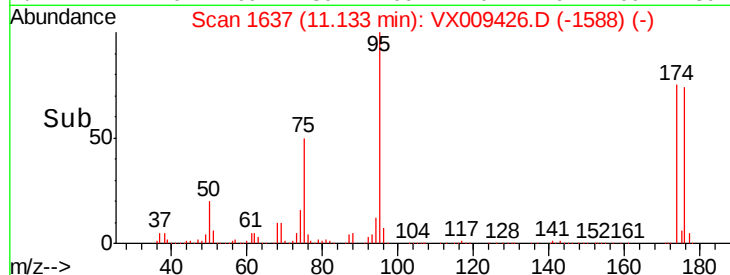
95 100

174 80.8 0.0 161.6

176 78.5 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009426.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

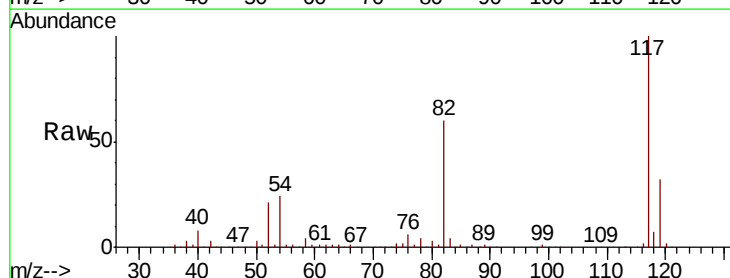
Tgt Ion: 117 Resp: 267939

Ion Ratio Lower Upper

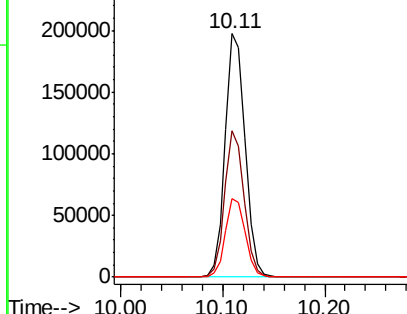
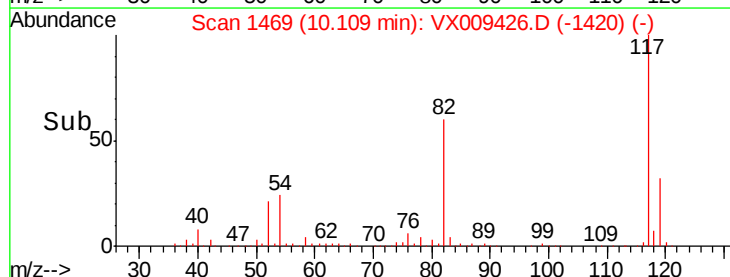
117 100

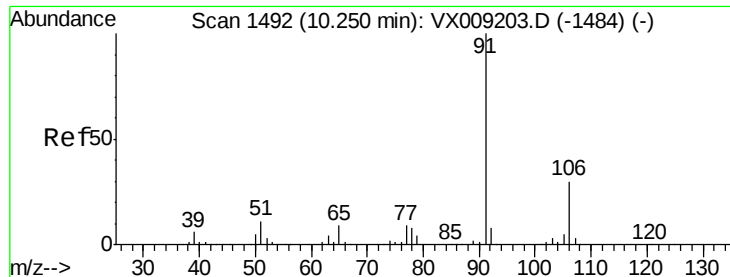
82 59.9 48.8 73.2

119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX009426.D (-1420) (-)

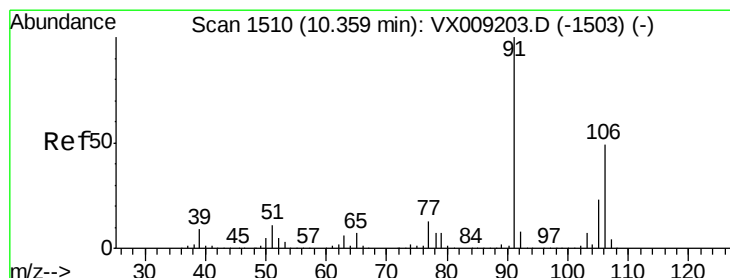
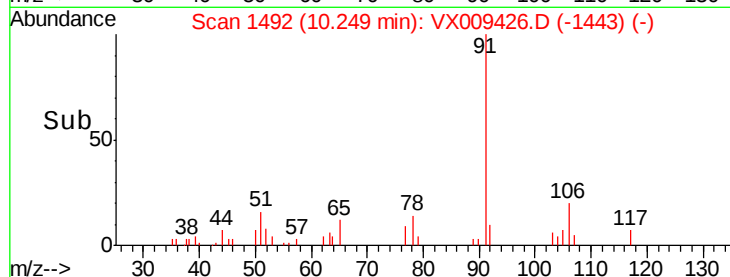
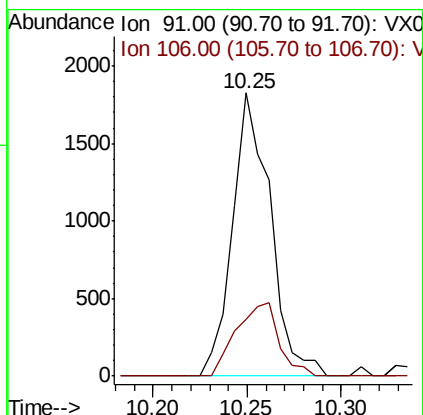
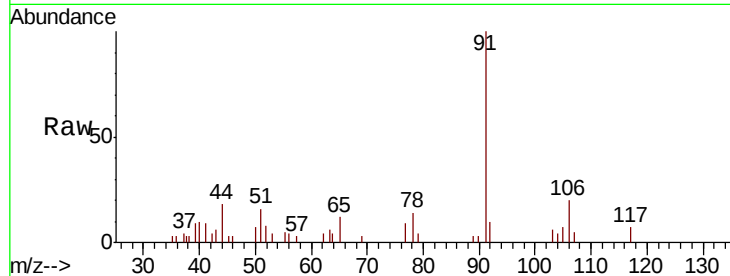




#67
Ethyl Benzene
Concen: 0.258 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009426.D
Acq: 09 May 2019 14:38

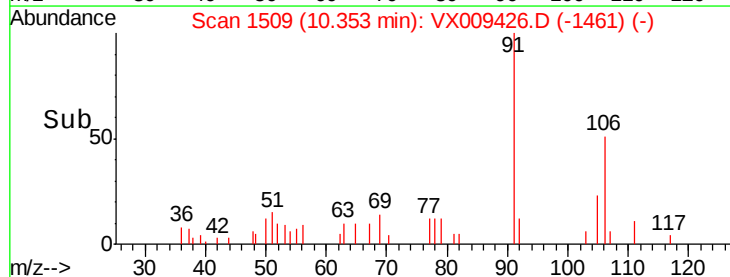
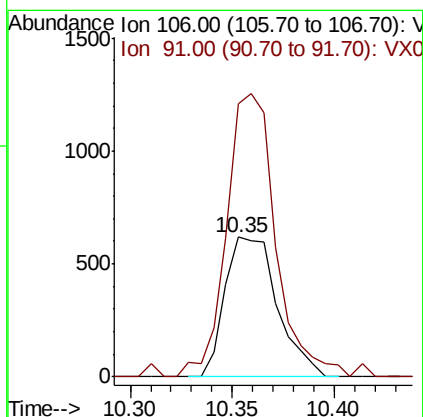
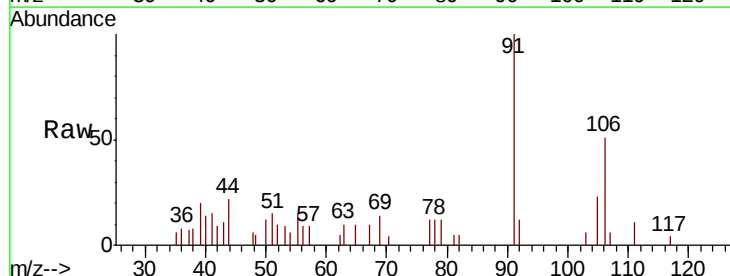
Instrument :
MSVOA_X
ClientSampled :

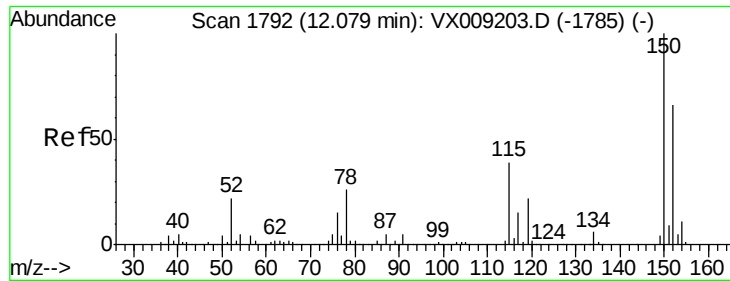
Tot Ion: 91 Resp: 2549
Ion Ratio Lower Upper
91 100
106 20.0 24.0 36.0#



#68
m/p-Xylenes
Concen: 0.306 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX009426.D
Acq: 09 May 2019 14:38

Tgt Ion: 106 Resp: 1102
Ion Ratio Lower Upper
106 100
91 192.5 164.0 246.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

Instrument :

MSVOA_X

ClientSampleId :

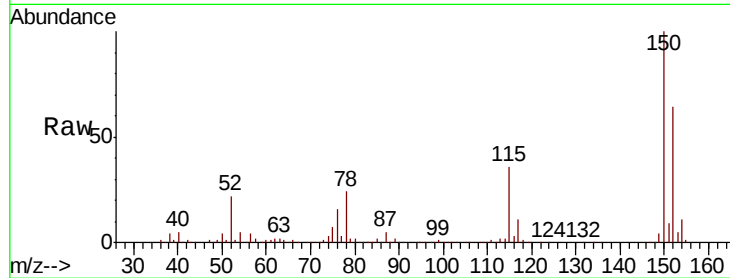
Tot Ion:152 Resp: 115707

Ion Ratio Lower Upper

152 100

115 57.5 41.2 123.6

150 157.8 0.0 346.4

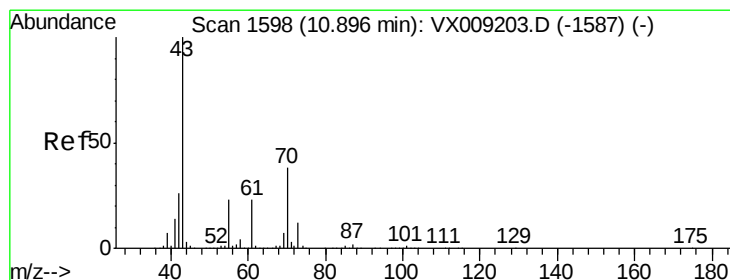
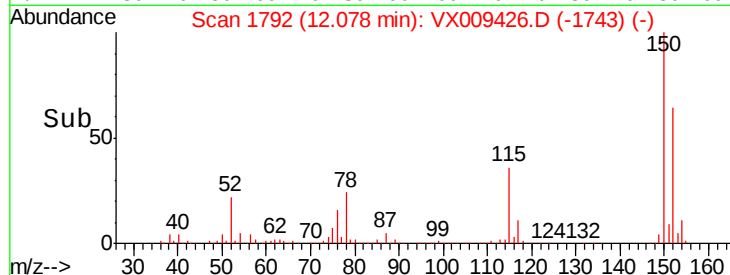
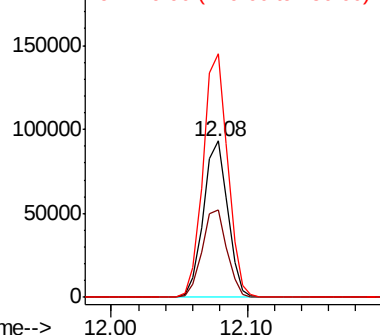


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.411 ug/l

RT: 10.94 min Scan# 1605

Delta R.T. 0.04 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

Tgt Ion: 43 Resp: 2017

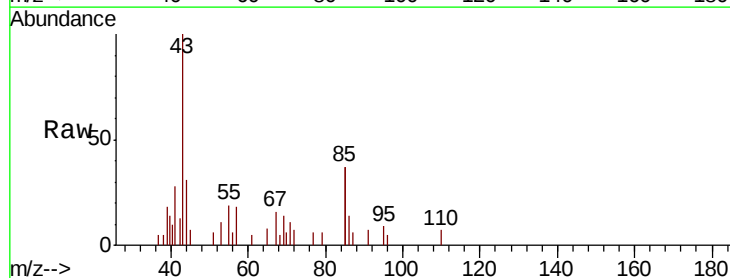
Ion Ratio Lower Upper

43 100

70 0.0 30.0 45.0#

55 0.0 17.9 26.9#

61 0.0 18.4 27.6#



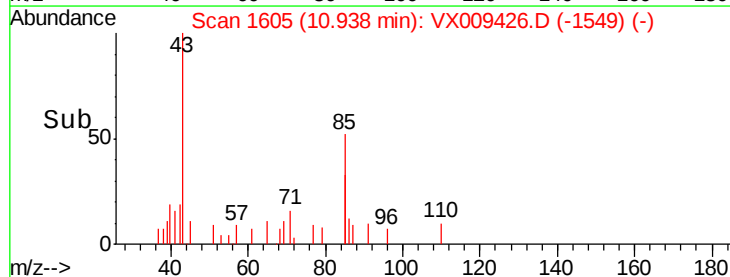
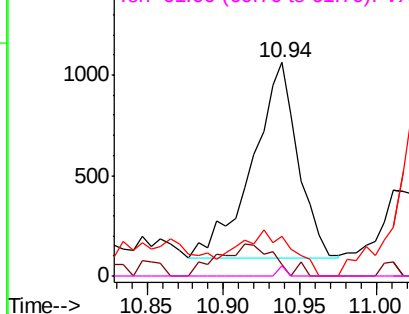
Abundance

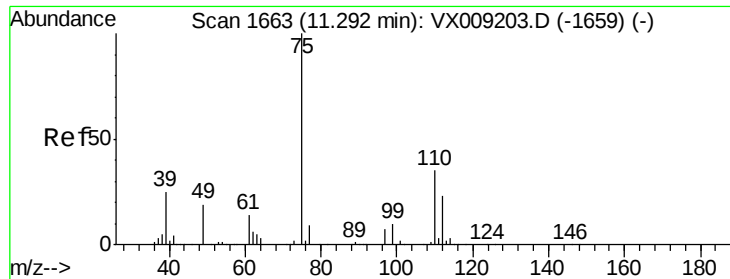
Ion 43.00 (42.70 to 43.70): VX0

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: 24.125 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

Instrument :

MSVOA_X

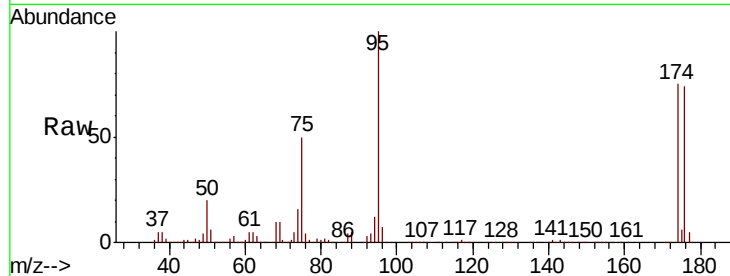
ClientSampleId :

Tot Ion: 75 Resp: 64751

Ion Ratio Lower Upper

75 100

77 1.2 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

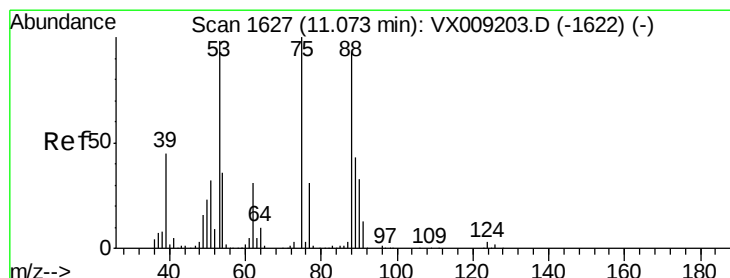
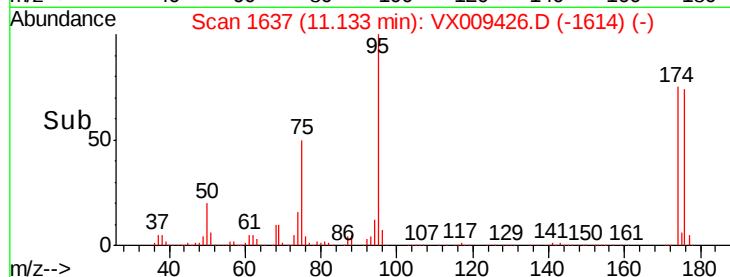
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 61.727 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009426.D

Acq: 09 May 2019 14:38

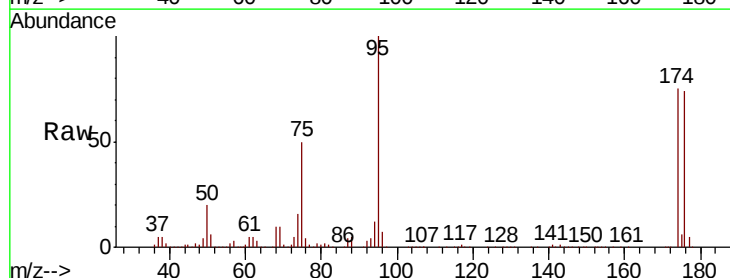
Tgt Ion: 75 Resp: 64751

Ion Ratio Lower Upper

75 100

53 0.3 79.0 118.6#

89 0.1 34.7 52.1#



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

60000

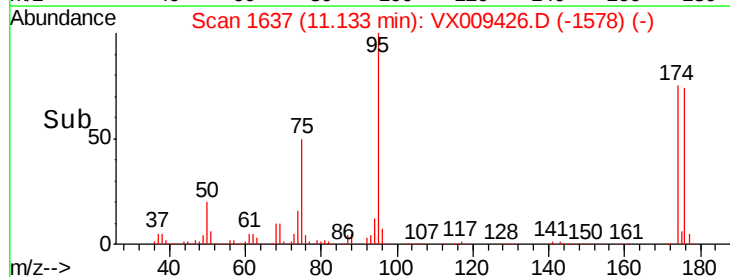
40000

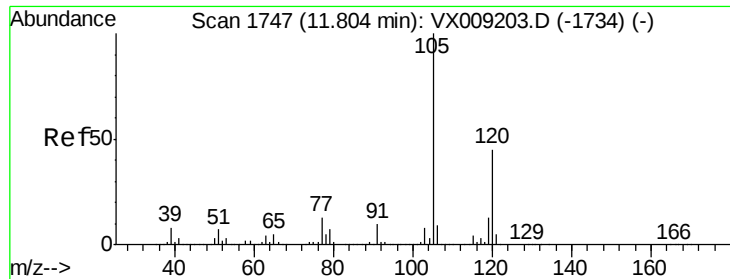
20000

0

11.10 11.20

Time-->





#84
 1,2,4-Trimethylbenzene
 Concen: 0.280 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.01 min
 Lab File: VX009426.D
 Acq: 09 May 2019 14:38

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:105 Resp: 1992
 Ion Ratio Lower Upper
 105 100
 120 49.4 22.0 66.0

