

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100119\
 Data File : VX012734.D
 Acq On : 01 Oct 2019 15:38
 Operator : JC/SP
 Sample : K5082-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 01:47:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	160732	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	279185	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	239503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90856	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	114414	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	5.49	113	84126	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	8.71	98	328943	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.13	95	112689	44.76	ug/l	0.00
Spiked Amount			Recovery	=	89.52%	

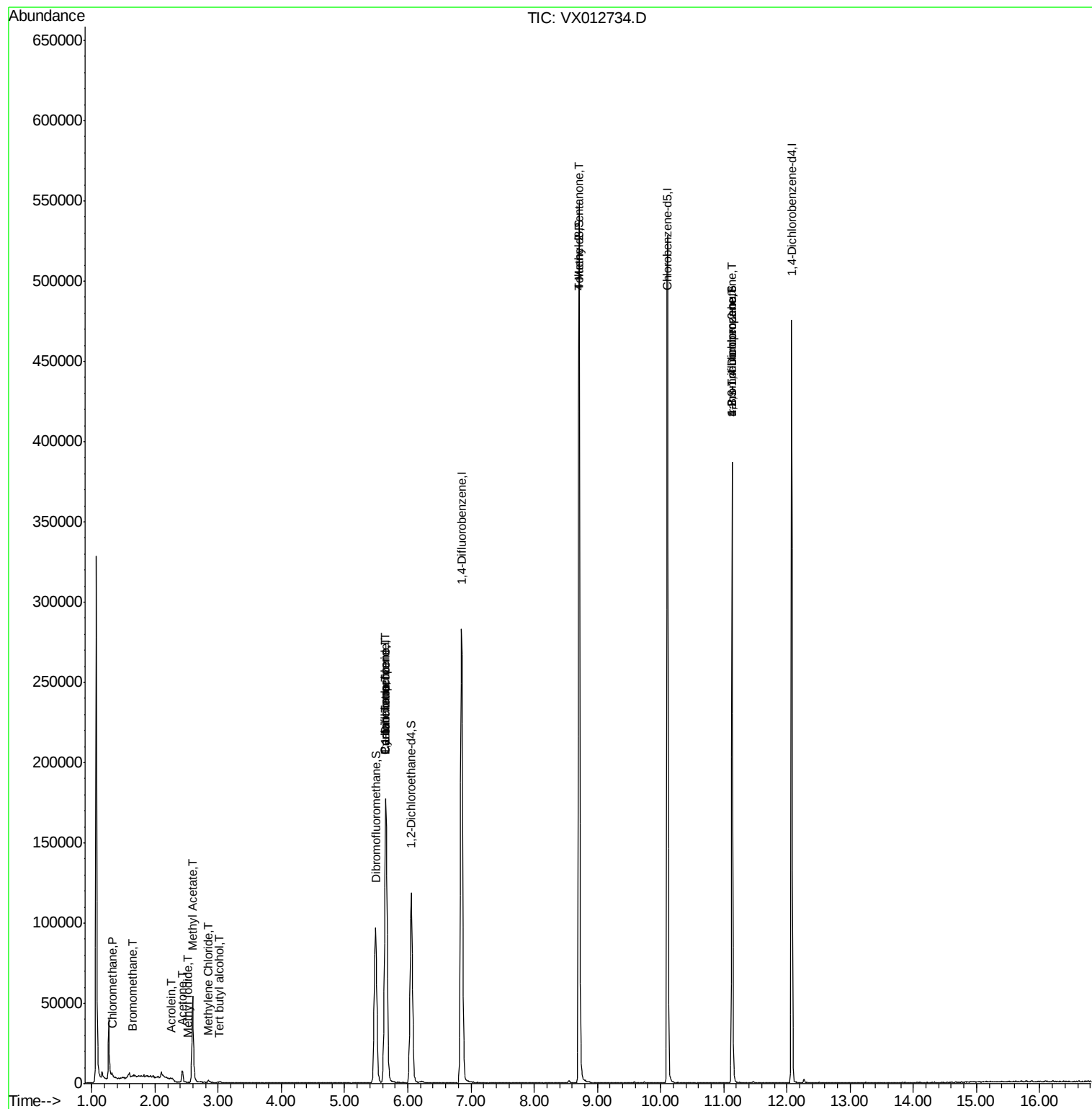
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1358	0.654	ug/l #	83
5) Bromomethane	1.65	94	228	0.281	ug/l #	53
10) Methyl Iodide	2.52	142	53	4.979	ug/l #	35
11) Tert butyl alcohol	3.03	59	677	1.158	ug/l #	72
13) Acrolein	2.27	56	93	10.507	ug/l #	49
16) Acetone	2.43	43	8140	6.566	ug/l	93
18) Methyl Acetate	2.59	43	13694	4.691	ug/l #	54
20) Methylene Chloride	2.85	84	652	0.311	ug/l	90
31) Cyclohexane	5.65	56	3682	1.130	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13449	4.998	ug/l #	53
38) Carbon Tetrachloride	5.65	117	17172	6.282	ug/l #	17
51) 4-Methyl-2-Pentanone	8.72	43	1591	0.490	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	56784	23.627	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	56784	67.709	ug/l #	8

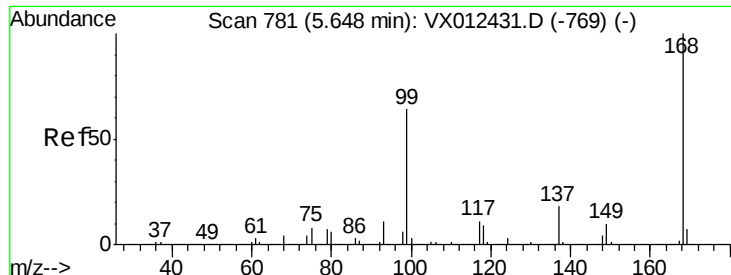
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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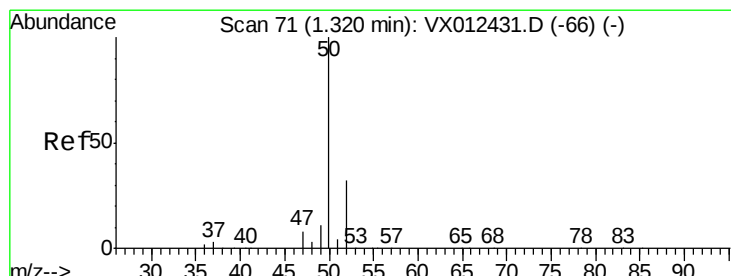
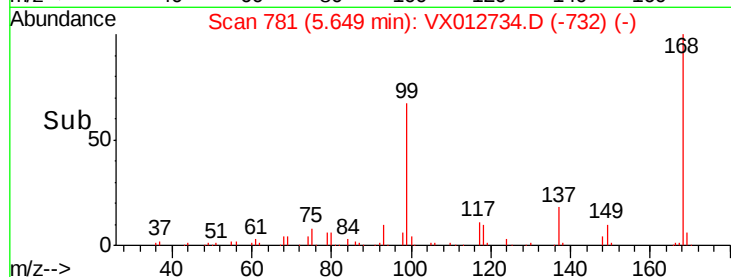
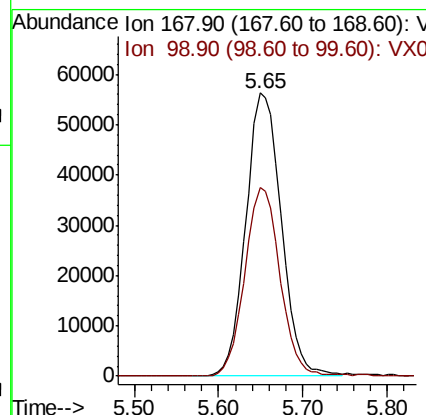
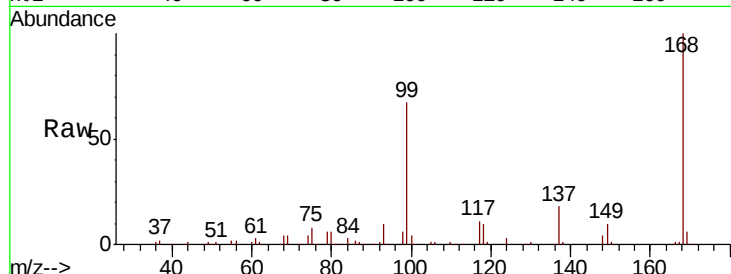




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.00 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

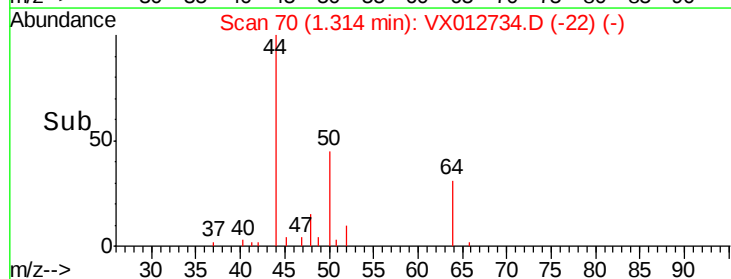
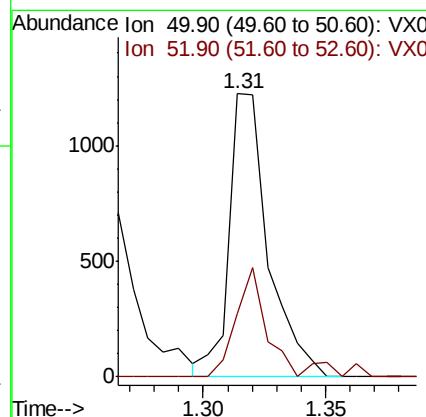
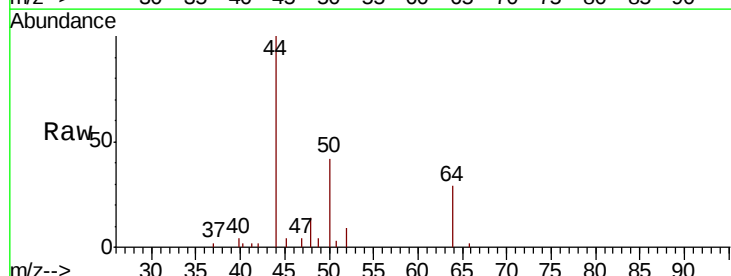
Instrument :
MSVOA_X
ClientSampleId :

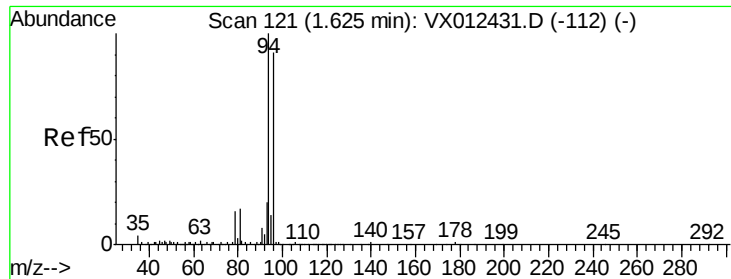
Tot Ion:168 Resp: 160732
Ion Ratio Lower Upper
168 100
99 66.6 51.4 77.2



#3
Chloromethane
Concen: 0.654 ug/l
RT: 1.31 min Scan# 70
Delta R.T. -0.01 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

Tgt Ion: 50 Resp: 1358
Ion Ratio Lower Upper
50 100
52 22.4 25.7 38.5#





#5

Bromomethane

Concen: 0.281 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012734.D

Acq: 01 Oct 2019 15:38

Instrument :

MSVOA_X

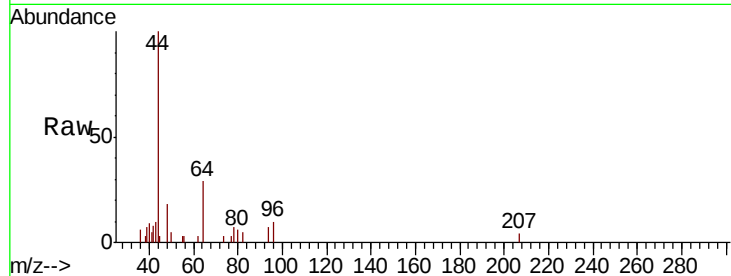
ClientSampleId :

Tot Ion: 94 Resp: 228

Ion Ratio Lower Upper

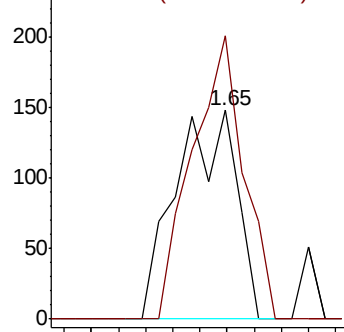
94 100

96 135.8 72.8 109.2#

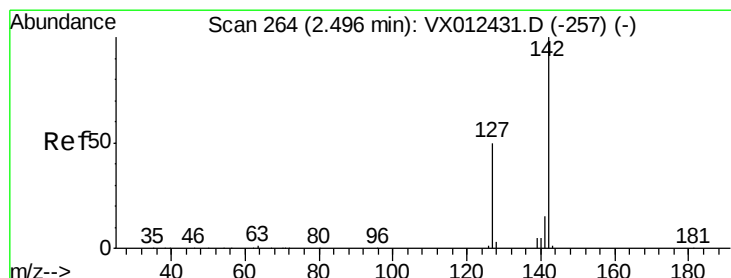
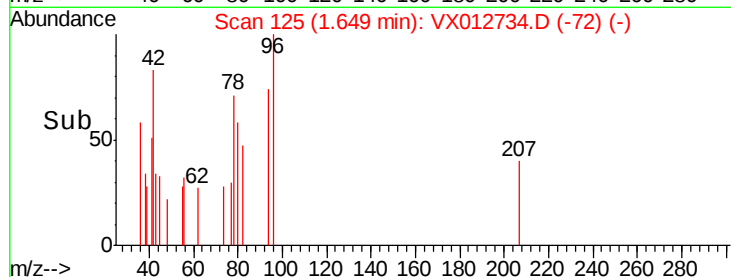


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 4.979 ug/l

RT: 2.52 min Scan# 267

Delta R.T. 0.02 min

Lab File: VX012734.D

Acq: 01 Oct 2019 15:38

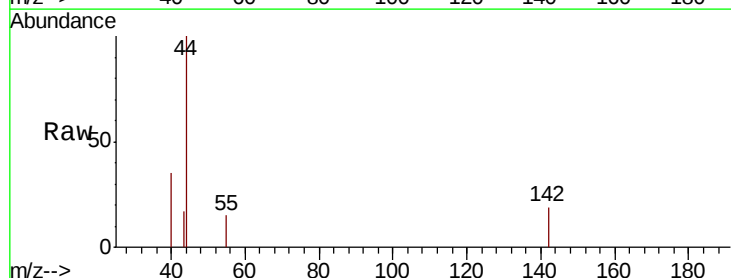
Tgt Ion: 142 Resp: 53

Ion Ratio Lower Upper

142 100

127 0.0 40.8 61.2#

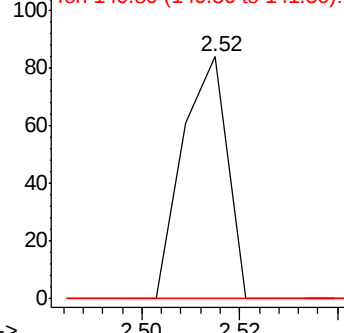
141 0.0 12.1 18.1#



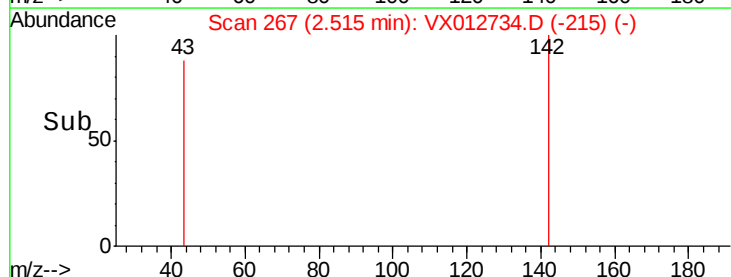
Abundance Ion 141.80 (141.50 to 142.50): V

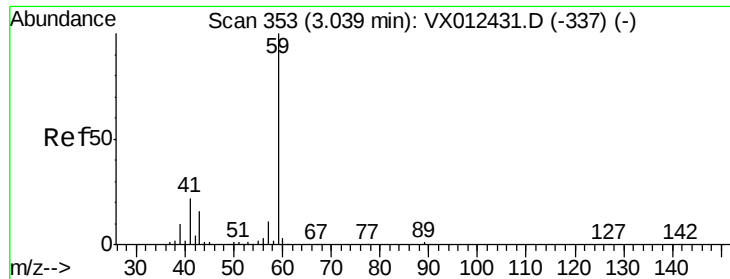
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

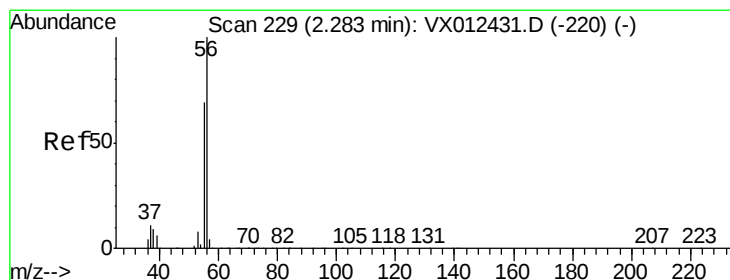
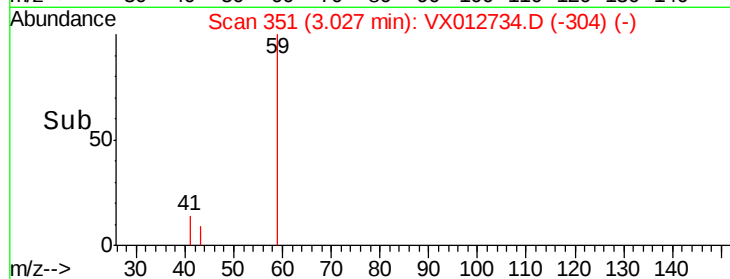
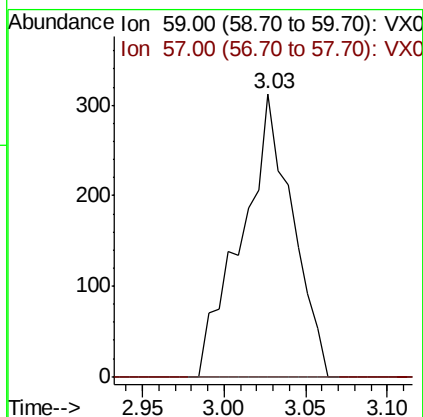
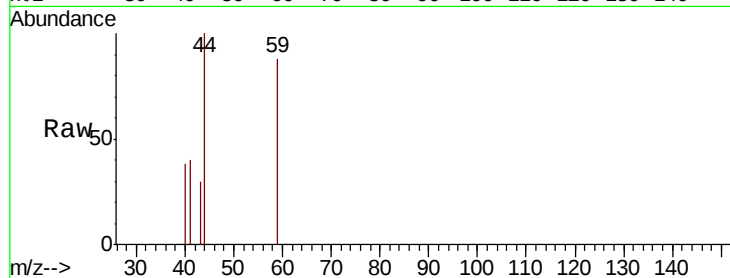




#11
Tert butyl alcohol
Concen: 1.158 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

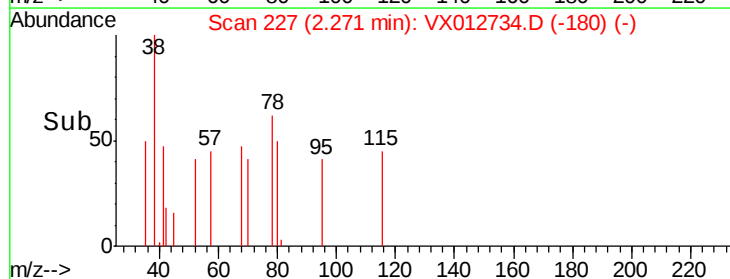
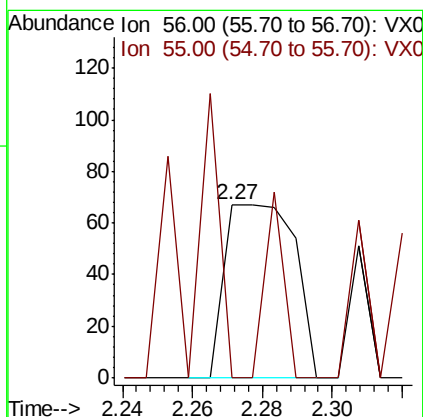
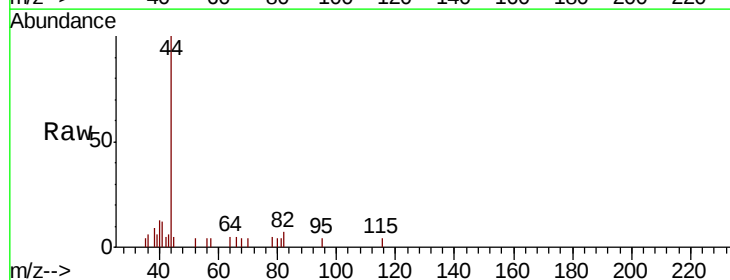
Instrument :
MSVOA_X
ClientSampleId :

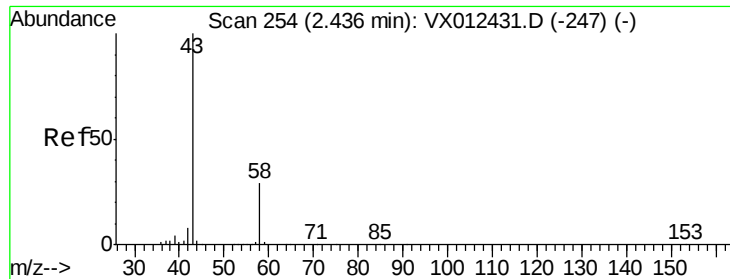
Tot Ion: 59 Resp: 677
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 10.507 ug/l
RT: 2.27 min Scan# 227
Delta R.T. -0.01 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 28.0 55.8 83.8#





#16

Acetone

Concen: 6.566 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012734.D

Acq: 01 Oct 2019 15:38

Instrument :

MSVOA_X

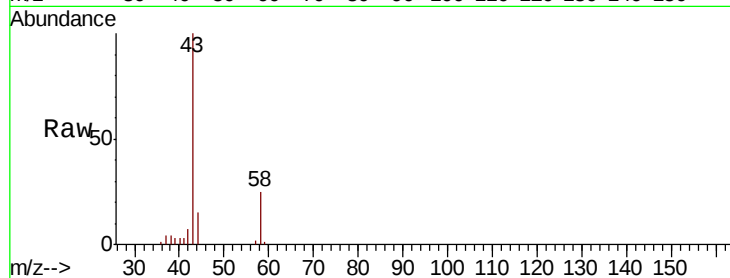
ClientSampleId :

Tot Ion: 43 Resp: 8140

Ion Ratio Lower Upper

43 100

58 25.4 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

5000

4000

3000

2000

1000

0

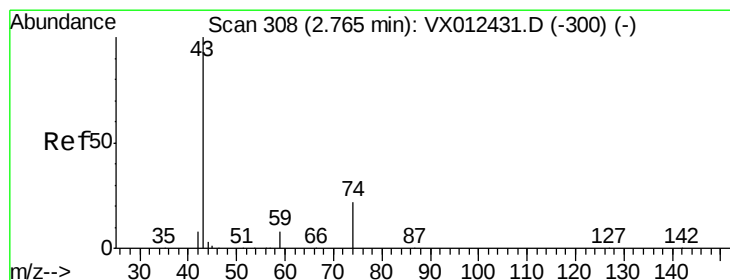
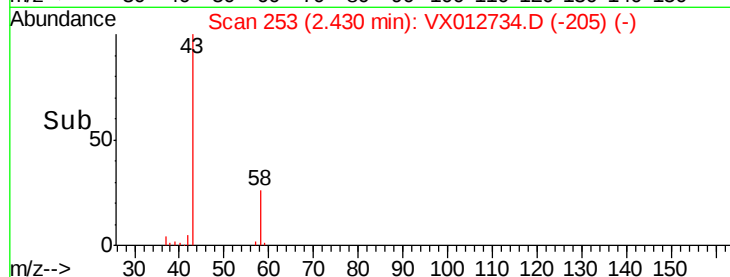
2.35

2.40

2.43

2.50

Time-->



#18

Methyl Acetate

Concen: 4.691 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012734.D

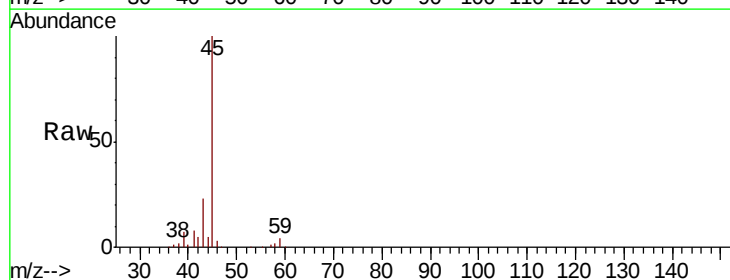
Acq: 01 Oct 2019 15:38

Tgt Ion: 43 Resp: 13694

Ion Ratio Lower Upper

43 100

74 0.0 17.7 26.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

8000

6000

4000

2000

0

2.50

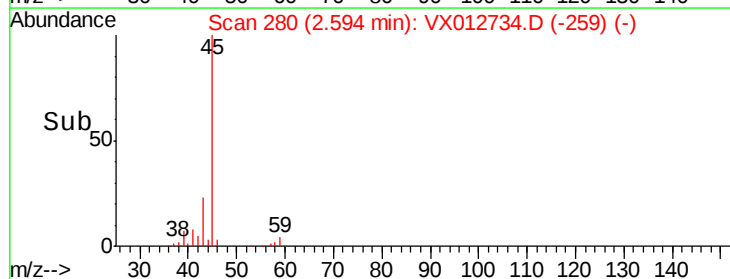
2.55

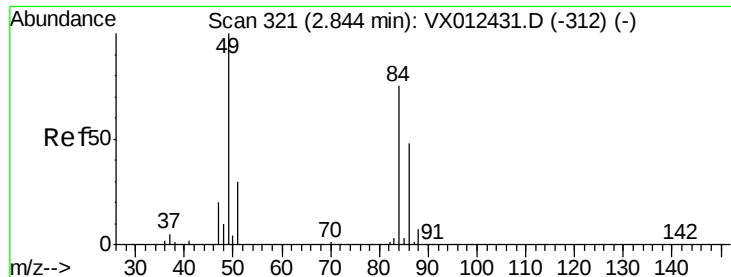
2.60

2.65

2.70

Time-->

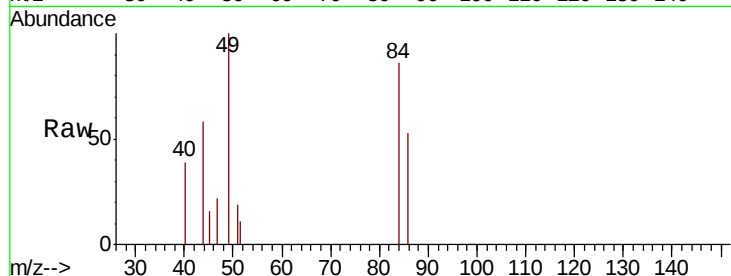




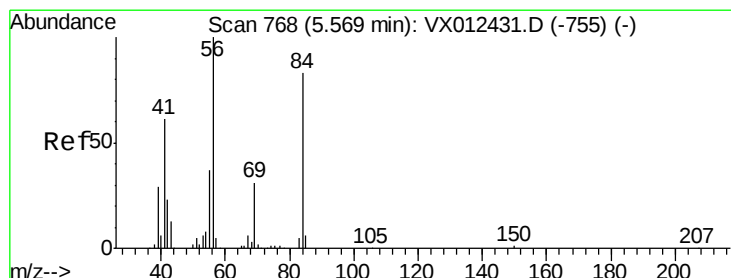
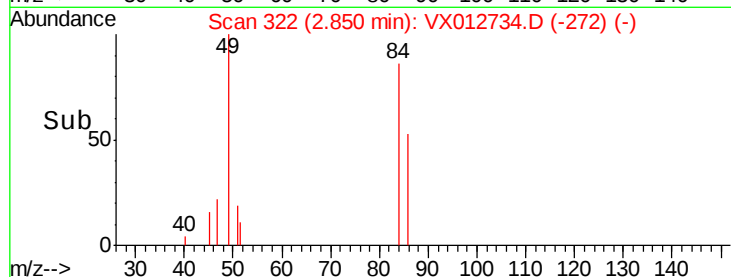
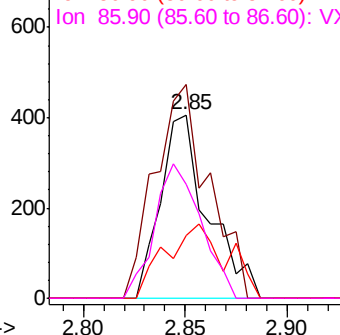
#20
Methvlene Chloride
Concen: 0.311 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.01 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	84	Resp:	652
Ion	Ratio	Lower	Upper
84	100		
49	116.5	106.8	160.2
51	34.5	32.3	48.5
86	62.3	51.3	76.9

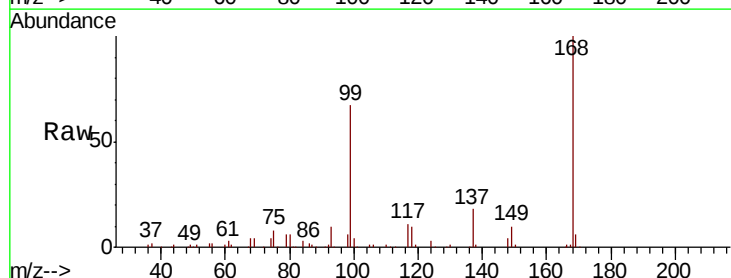


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

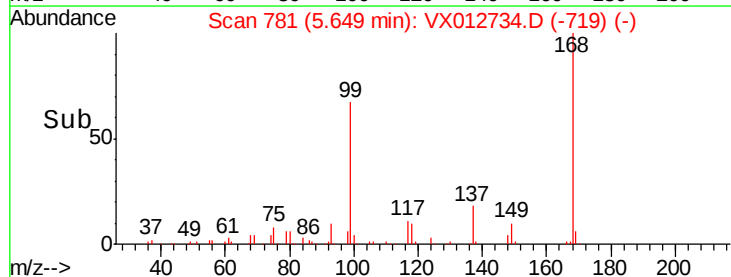
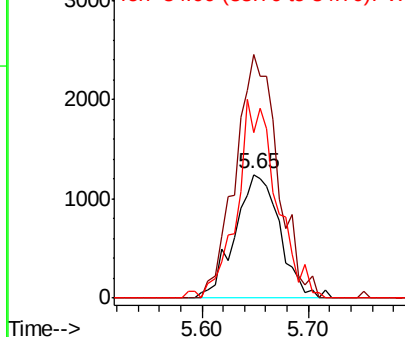


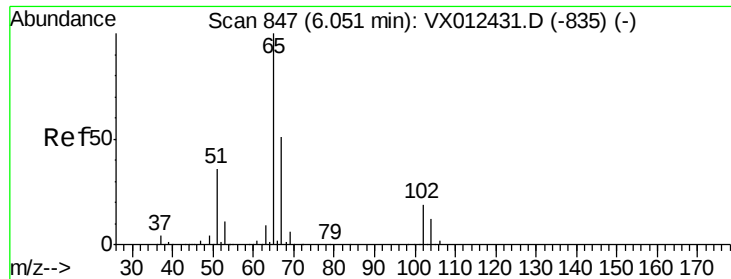
#31
Cyclohexane
Concen: 1.130 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

Tgt Ion:	56	Resp:	3682
Ion	Ratio	Lower	Upper
56	100		
69	196.6	25.0	37.6#
84	133.6	66.4	99.6#



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: 48.883 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012734.D

Acq: 01 Oct 2019 15:38

Instrument :

MSVOA_X

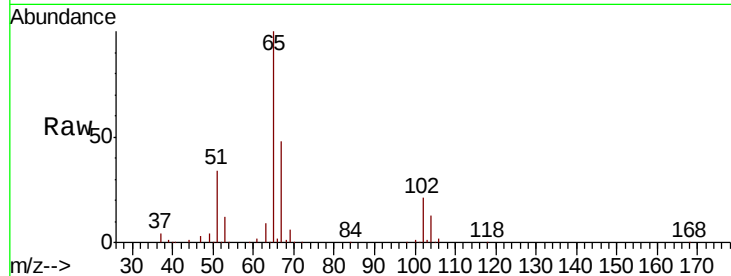
ClientSampleId :

Tot Ion: 65 Resp: 114414

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

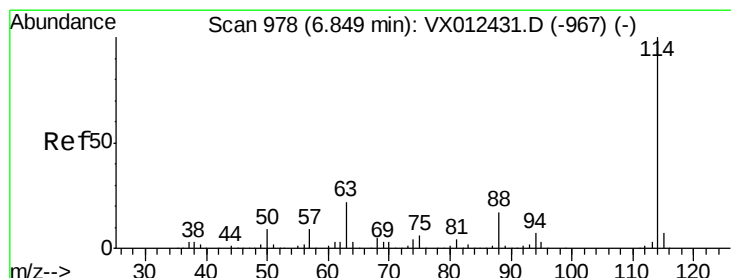
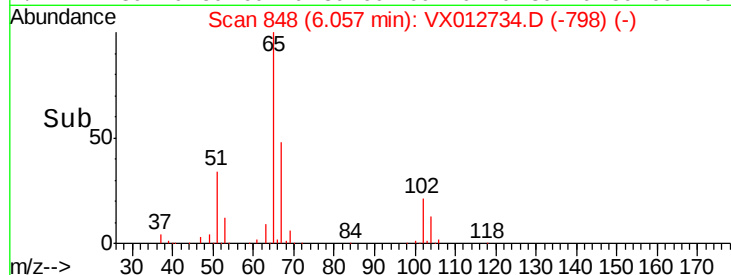
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012734.D

Acq: 01 Oct 2019 15:38

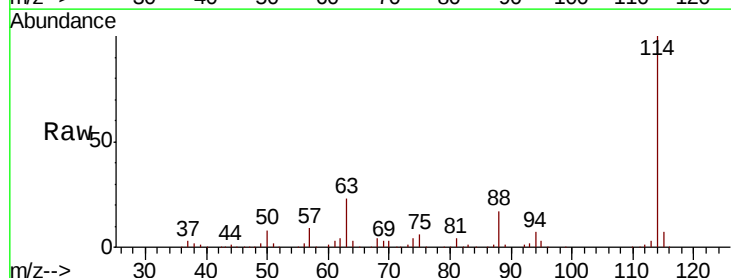
Tgt Ion: 114 Resp: 279185

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.2

88 17.4 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

150000

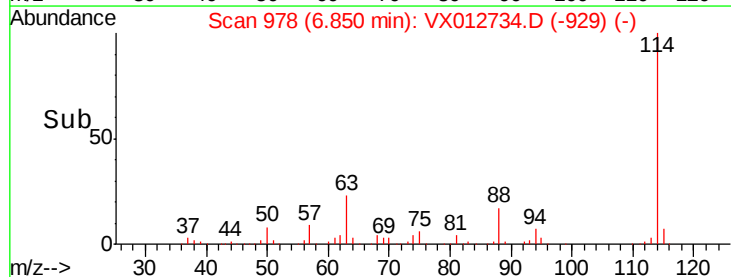
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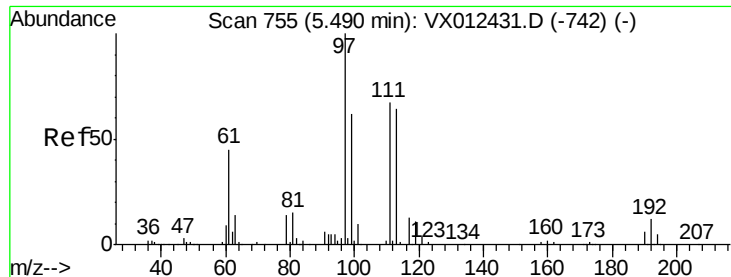
50000

0

6.80 6.90 7.00

Time-->

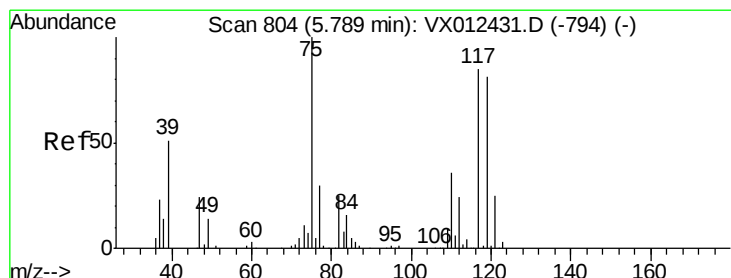
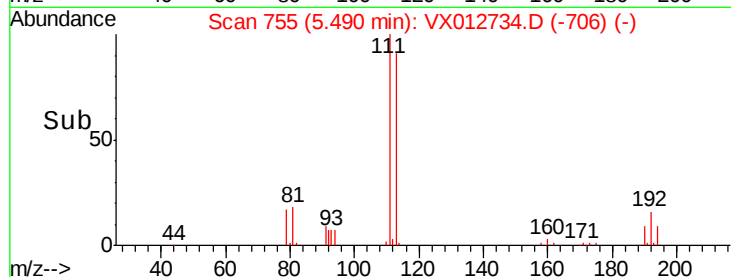
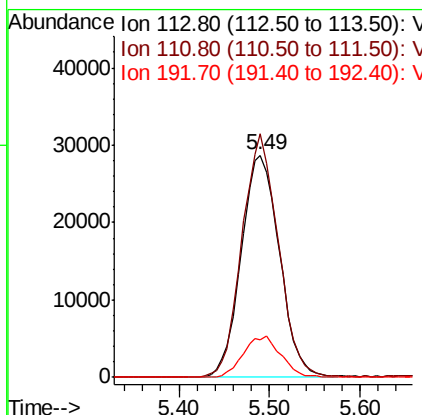
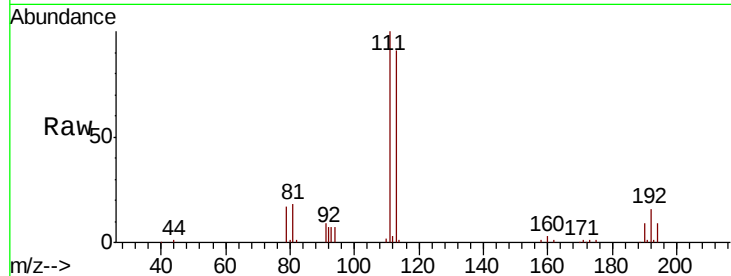




#35
 Dibromofluoromethane
 Concen: 50.597 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012734.D
 Acq: 01 Oct 2019 15:38

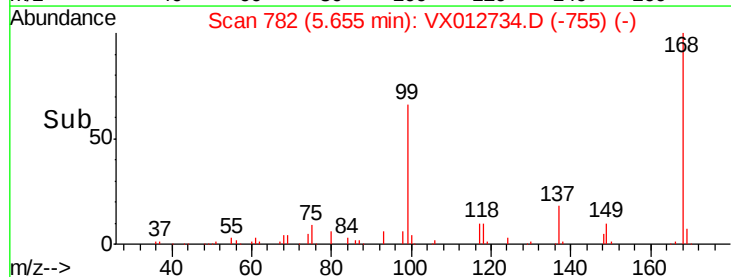
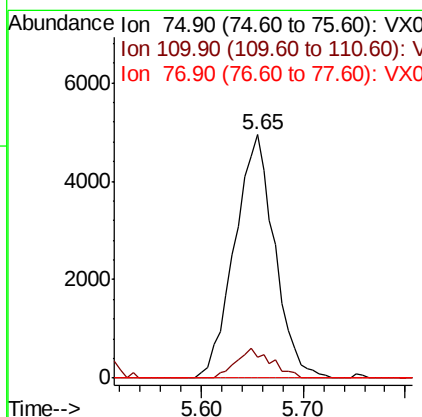
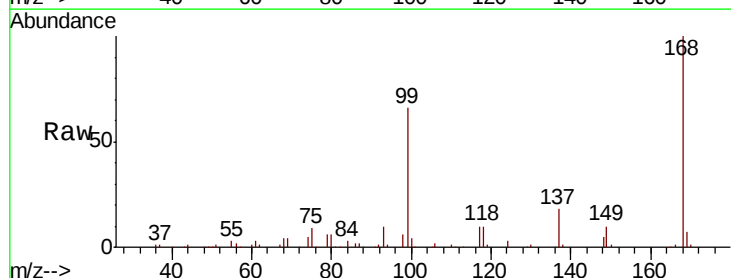
Instrument :
 MSVOA_X
 ClientSampleId :

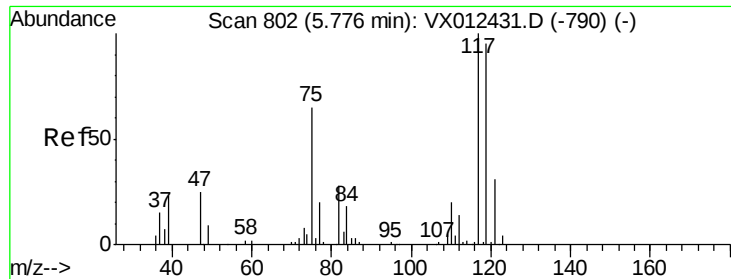
Tot Ion:113 Resp: 84126
 Ion Ratio Lower Upper
 113 100
 111 103.9 83.4 125.2
 192 18.2 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.998 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012734.D
 Acq: 01 Oct 2019 15:38

Tgt Ion: 75 Resp: 13449
 Ion Ratio Lower Upper
 75 100
 110 10.8 16.7 50.0#
 77 0.0 24.2 36.2#

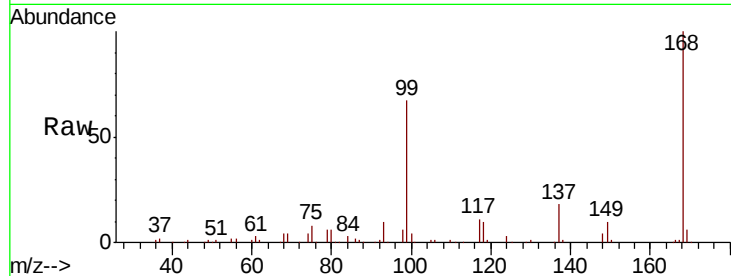




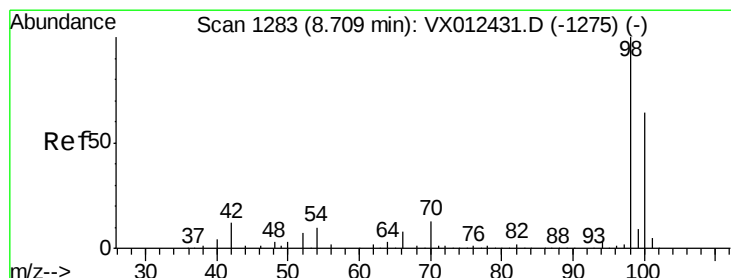
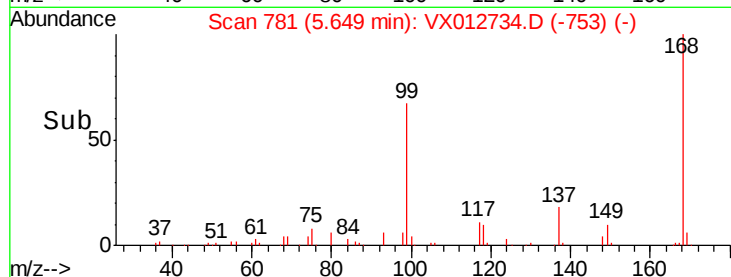
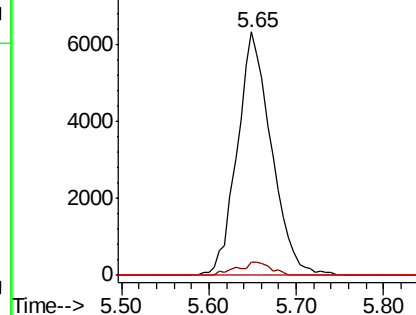
#38
Carbon Tetrachloride
Concen: 6.282 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 17172
Ion Ratio Lower Upper
117 100
119 5.7 75.7 113.5#
121 0.0 24.2 36.4#

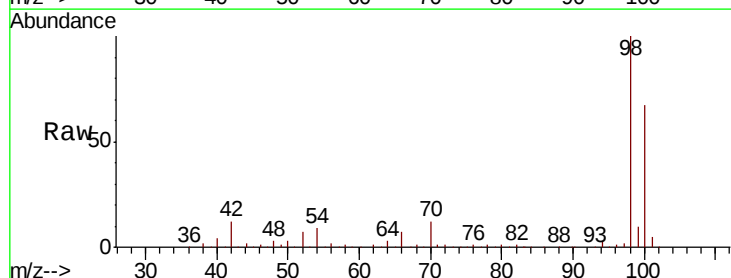


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

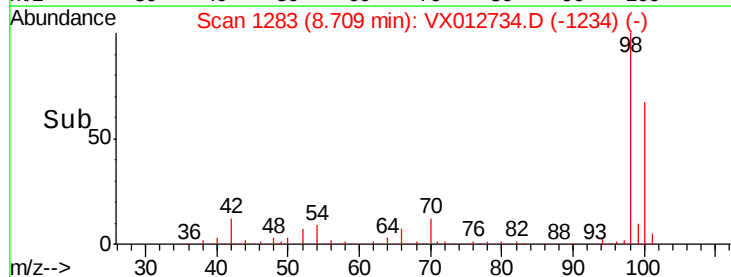
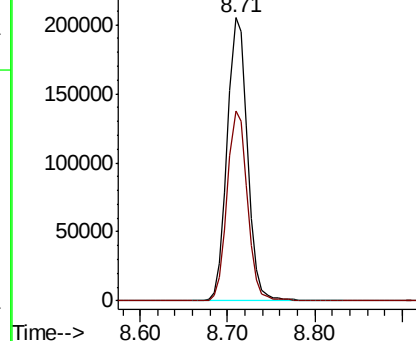


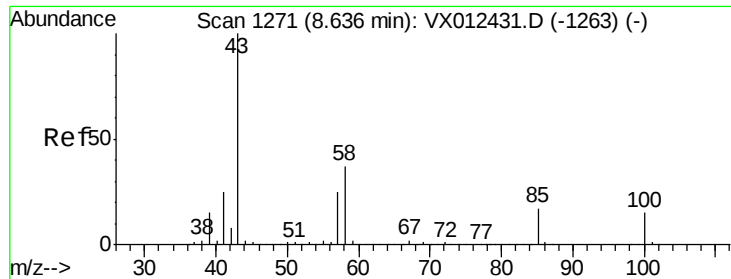
#50
Toluene-d8
Concen: 51.373 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

Tgt Ion: 98 Resp: 328943
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.490 ug/l

RT: 8.72 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX012734.D

Acq: 01 Oct 2019 15:38

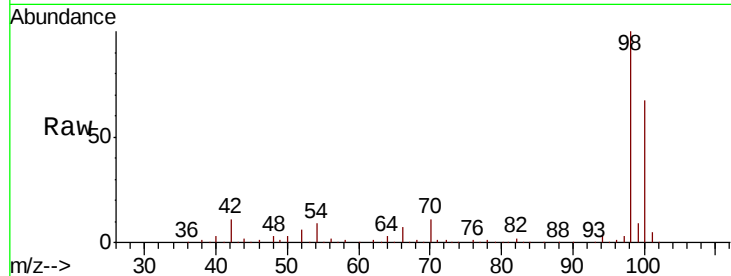
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 1591

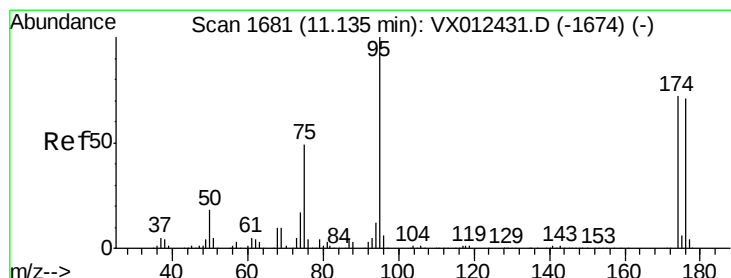
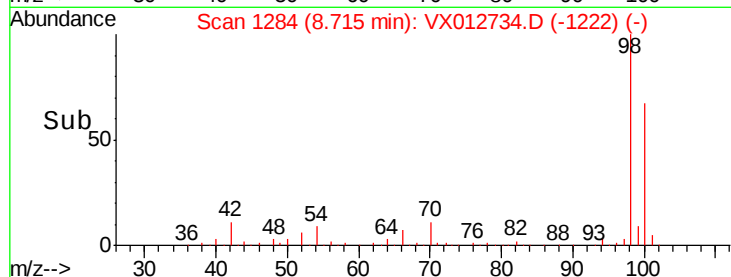
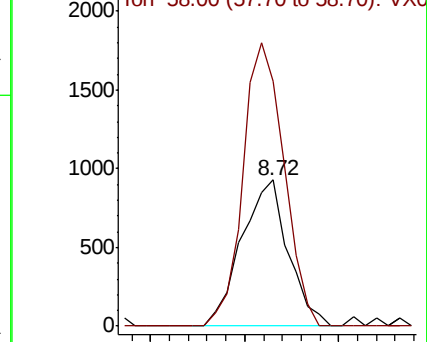
Ion Ratio Lower Upper

43 100

58 170.2 29.8 44.6#



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



#62

4-Bromofluorobenzene

Concen: 44.759 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012734.D

Acq: 01 Oct 2019 15:38

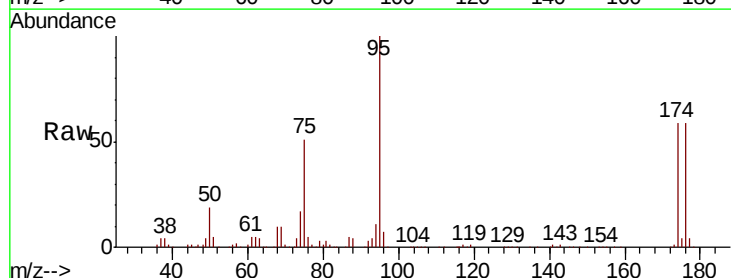
Tgt Ion: 95 Resp: 112689

Ion Ratio Lower Upper

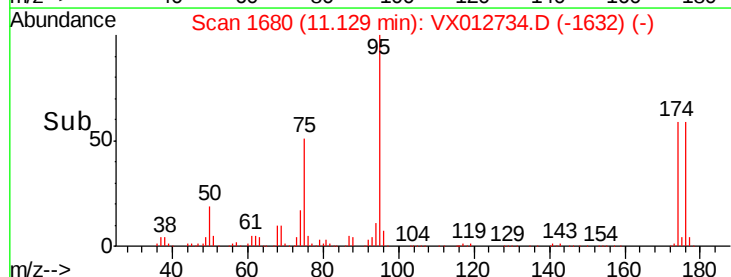
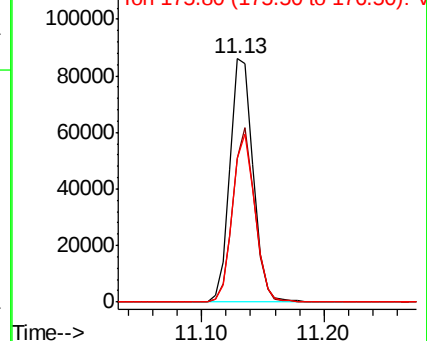
95 100

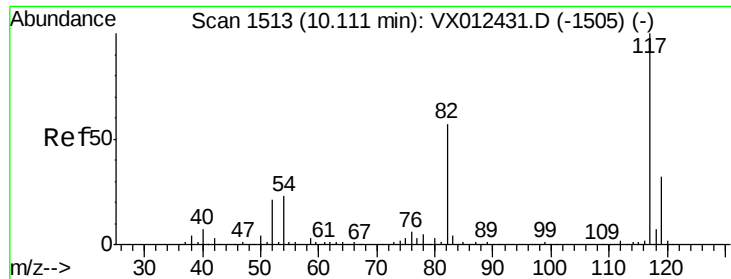
174 67.6 0.0 140.0

176 66.8 0.0 135.4



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

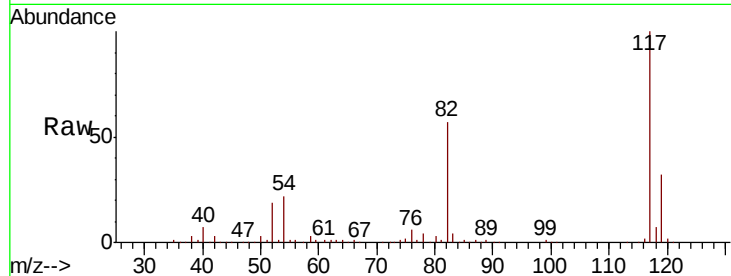




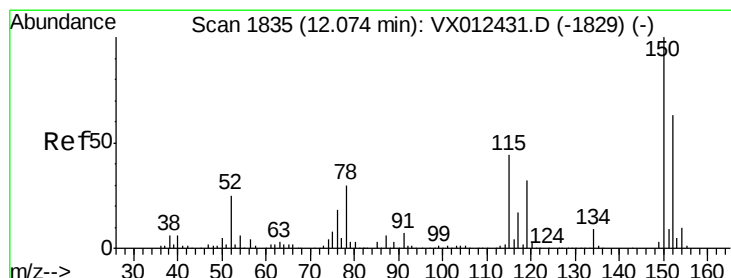
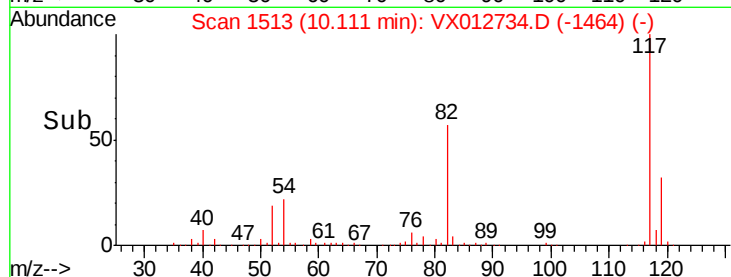
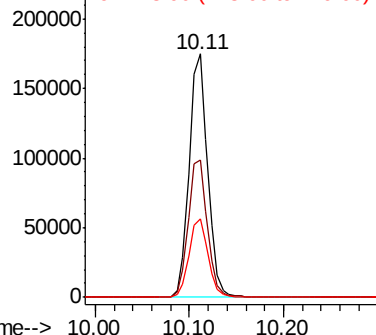
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 239503
Ion Ratio Lower Upper
117 100
82 56.6 45.9 68.9
119 32.1 25.3 37.9

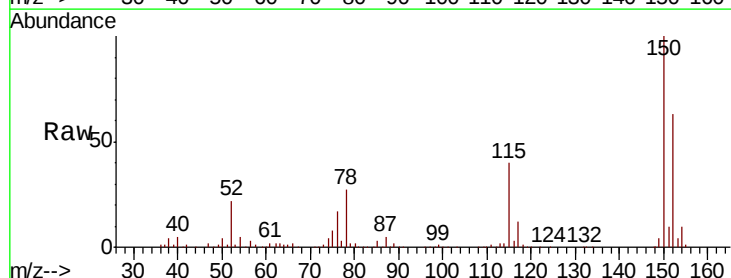


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

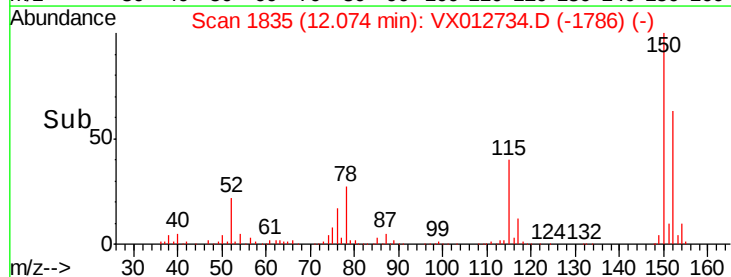
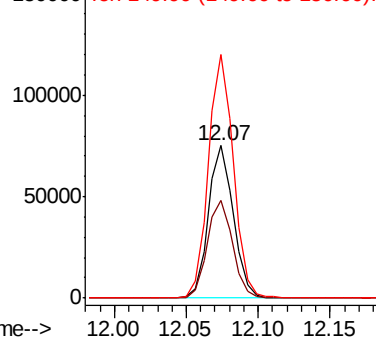


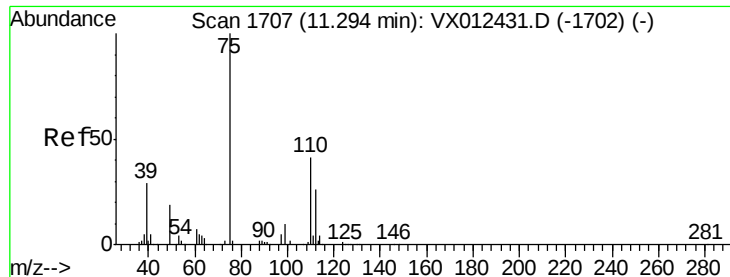
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012734.D
Acq: 01 Oct 2019 15:38

Tgt Ion:152 Resp: 90856
Ion Ratio Lower Upper
152 100
115 65.3 44.1 132.3
150 159.7 0.0 343.8



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: 23.627 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012734.D

Acq: 01 Oct 2019 15:38

Instrument :

MSVOA_X

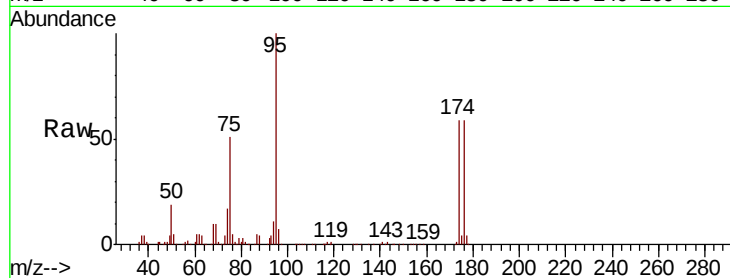
ClientSampleId :

Tot Ion: 75 Resp: 56784

Ion Ratio Lower Upper

75 100

77 1.2 19.7 59.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

40000

30000

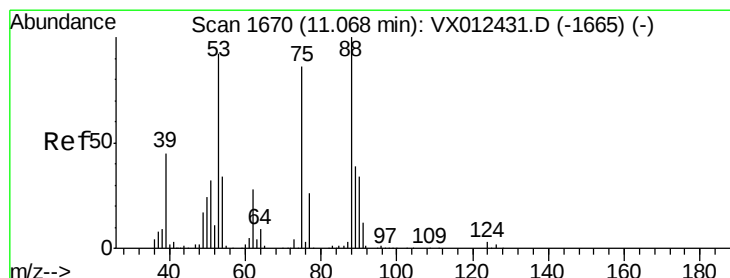
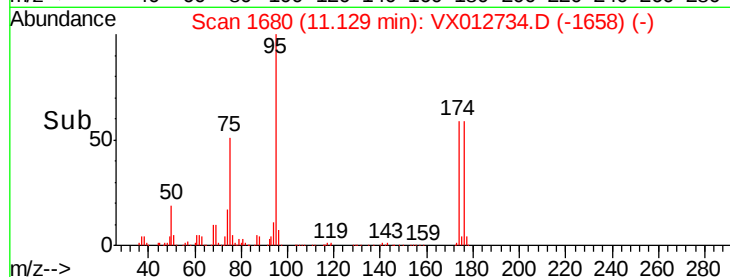
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 67.709 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012734.D

Acq: 01 Oct 2019 15:38

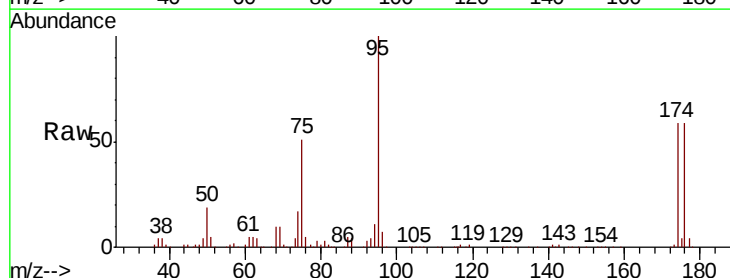
Tgt Ion: 75 Resp: 56784

Ion Ratio Lower Upper

75 100

53 0.0 83.6 125.4#

89 0.0 36.3 54.5#



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

50000

40000

30000

20000

10000

0

Time-->

11.10 11.20

