

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX100119\
 Data File : VX012729.D
 Acq On : 01 Oct 2019 13:41
 Operator : JC/SP
 Sample : K5081-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 02 01:46:02 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	159274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	269447	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	217513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	71556	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	108011	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
35) Dibromofluoromethane	5.49	113	82347	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	8.71	98	312418	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	11.14	95	97440	40.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.20%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	461	0.573	ug/l #	73
6) Chloroethane	1.72	64	4565	3.311	ug/l	98
10) Methyl Iodide	2.50	142	220	5.061	ug/l #	74
11) Tert butyl alcohol	3.03	59	1064	1.836	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	10498	6.130	ug/l #	95
13) Acrolein	2.27	56	118	10.584	ug/l #	1
14) Allyl chloride	2.60	41	5517	1.624	ug/l #	66
16) Acetone	2.44	43	10974	8.933	ug/l	99
18) Methyl Acetate	2.84	43	738	0.255	ug/l #	54
24) 1,1-Dichloroethane	3.69	63	196320	55.014	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	468	0.213	ug/l	85
31) Cyclohexane	5.65	56	3665	1.135	ug/l #	1
32) 1,1,1-Trichloroethane	5.48	97	1563	0.483	ug/l #	52
36) 1,1-Dichloropropene	5.65	75	12869	4.955	ug/l #	53
38) Carbon Tetrachloride	5.65	117	17095	6.480	ug/l #	16
42) 1,2-Dichloroethane	6.18	62	672	0.232	ug/l #	75
49) 1,4-Dioxane	7.75	88	222	4.020	ug/l #	73
51) 4-Methyl-2-Pentanone	8.71	43	1366	0.436	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	49285	26.038	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	49285	74.618	ug/l #	8
88) 1,4-Dichlorobenzene	12.09	146	1442	0.601	ug/l #	29
90) Hexachloroethane	12.75	117	468	0.531	ug/l #	17
93) 1,2,4-Trichlorobenzene	13.64	180	808	0.558	ug/l	94
96) 1,2,3-Trichlorobenzene	14.01	180	313	0.216	ug/l #	61

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012729.D

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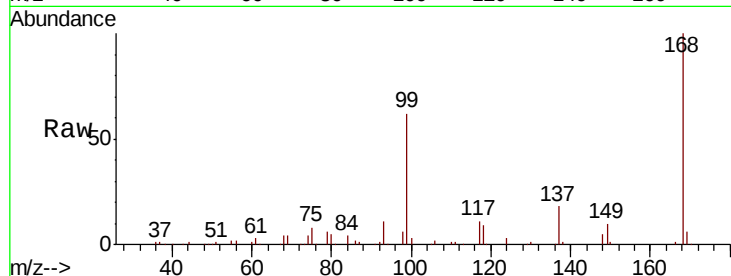
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 159274

Ion Ratio Lower Upper

168 100

99 62.3 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

30000

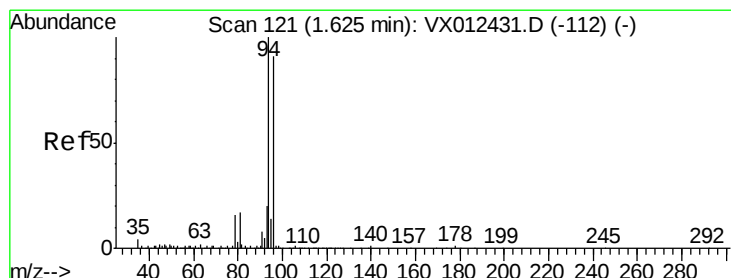
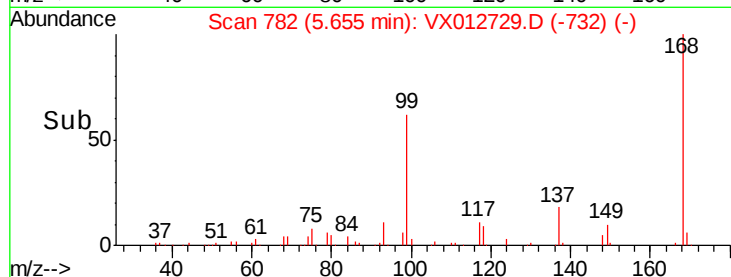
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.573 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012729.D

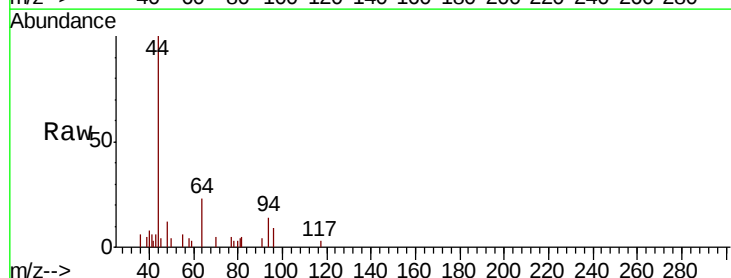
Acq: 01 Oct 2019 13:41

Tgt Ion: 94 Resp: 461

Ion Ratio Lower Upper

94 100

96 65.4 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

150

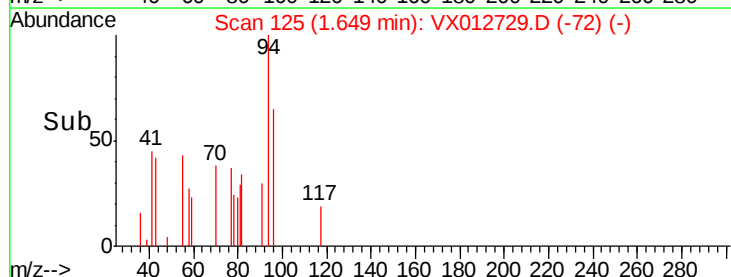
100

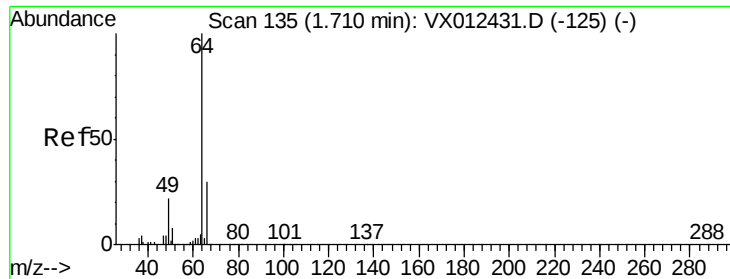
50

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 3.311 ug/l

RT: 1.72 min Scan# 136

Delta R.T. 0.01 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

Instrument :

MSVOA_X

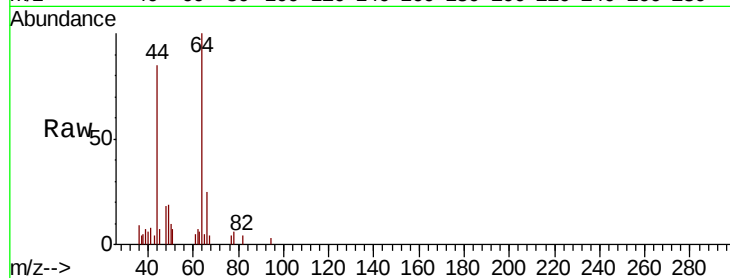
ClientSampleId :

Tot Ion: 64 Resp: 4565

Ion Ratio Lower Upper

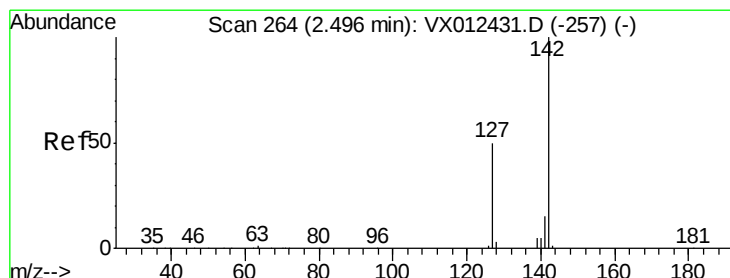
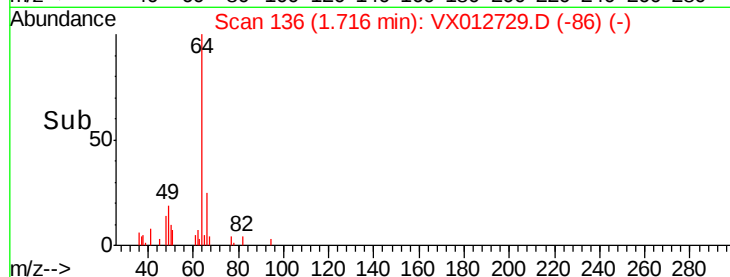
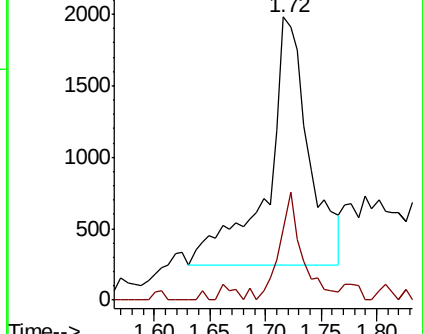
64 100

66 28.8 24.0 36.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 5.061 ug/l

RT: 2.50 min Scan# 265

Delta R.T. 0.01 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

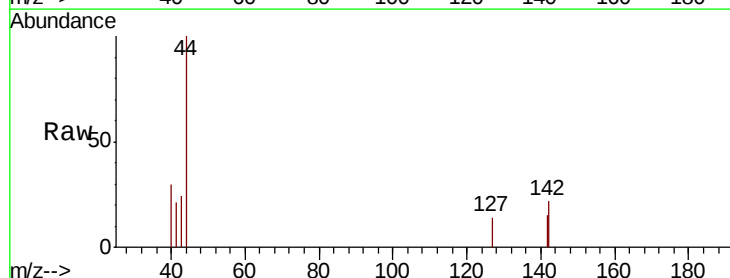
Tgt Ion: 142 Resp: 220

Ion Ratio Lower Upper

142 100

127 35.0 40.8 61.2#

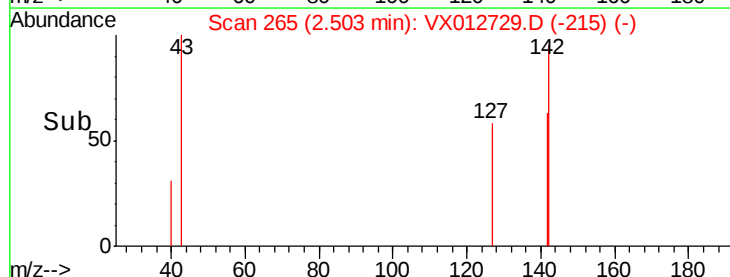
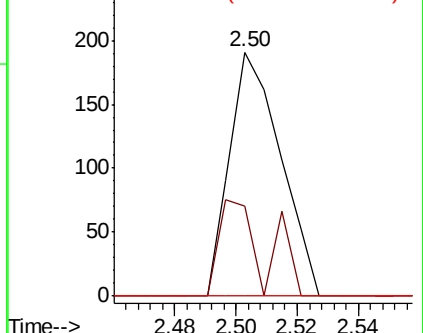
141 0.0 12.1 18.1#

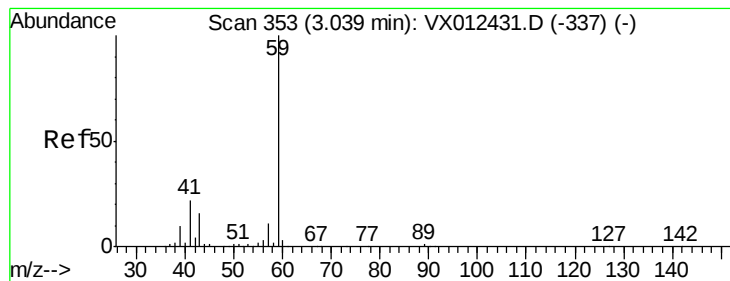


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



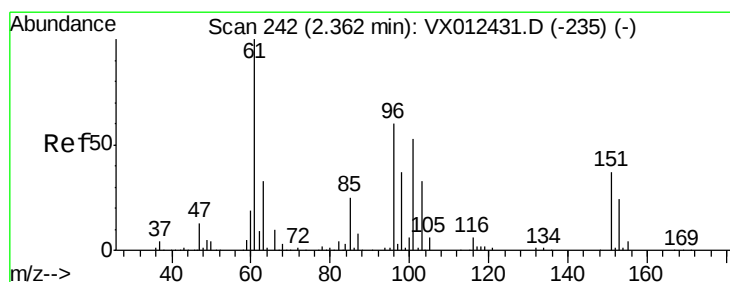
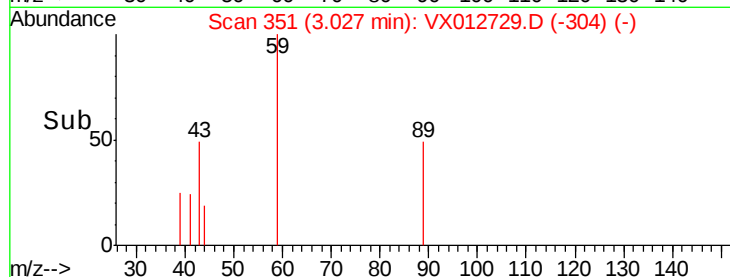
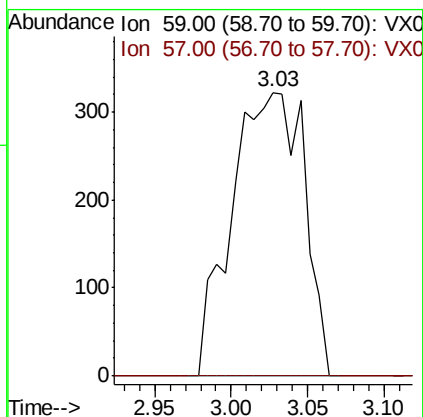
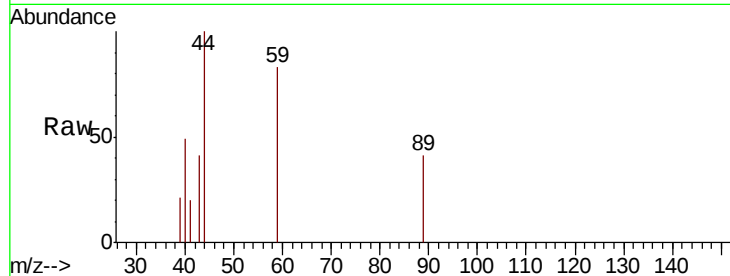


#11

Tert butyl alcohol
 Concen: 1.836 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX012729.D
 Acq: 01 Oct 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :

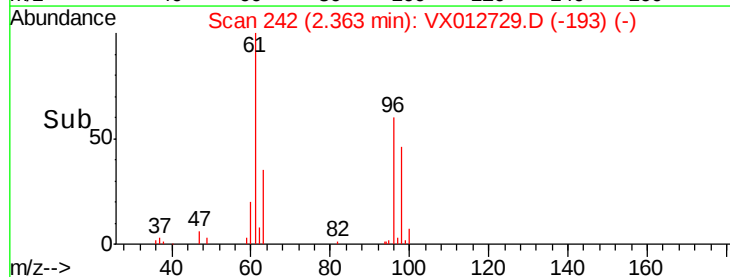
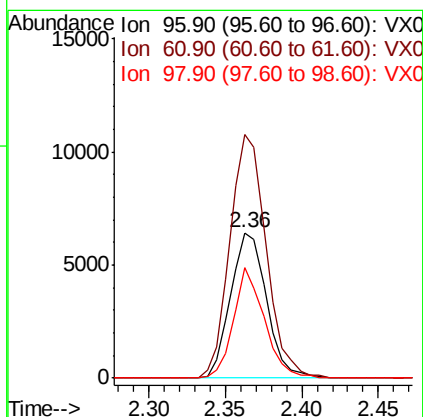
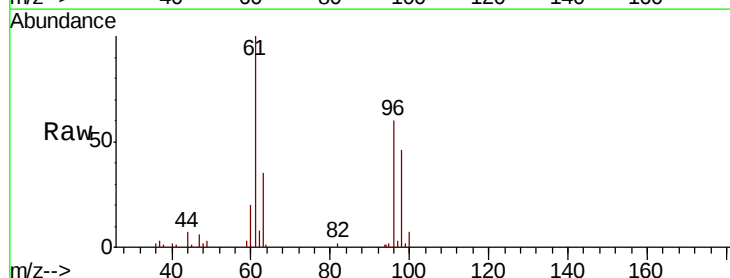
Tot Ion: 59 Resp: 1064
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

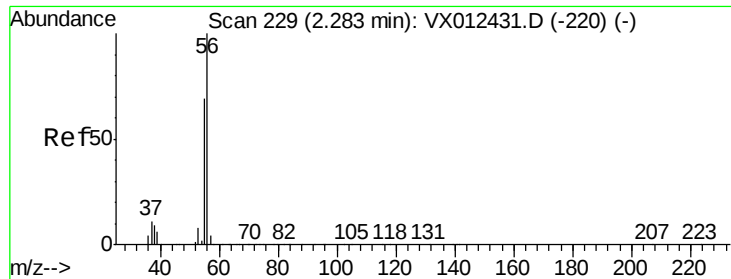


#12

1,1-Dichloroethene
 Concen: 6.130 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012729.D
 Acq: 01 Oct 2019 13:41

Tgt Ion: 96 Resp: 10498
 Ion Ratio Lower Upper
 96 100
 61 167.7 133.8 200.6
 98 76.5 49.9 74.9#





#13

Acrolein

Concen: 10.584 ug/l

RT: 2.27 min Scan# 226

Delta R.T. -0.02 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

Instrument :

MSVOA_X

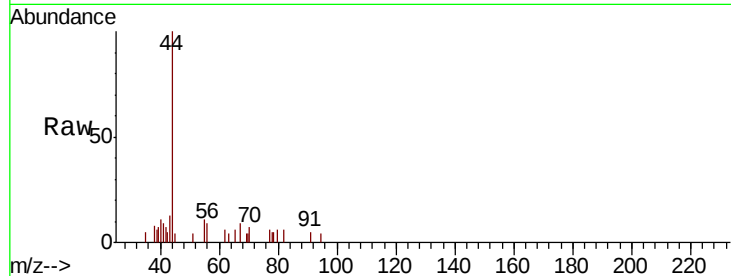
ClientSampled :

Tot Ion: 56 Resp: 118

Ion Ratio Lower Upper

56 100

55 232.2 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

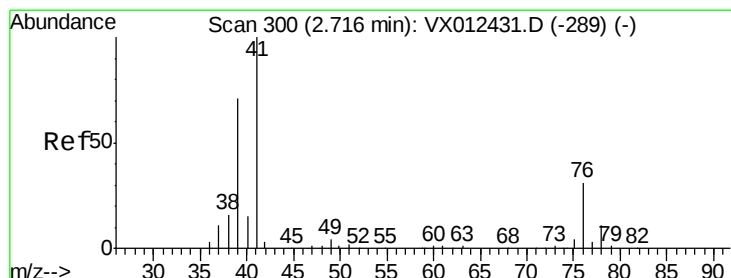
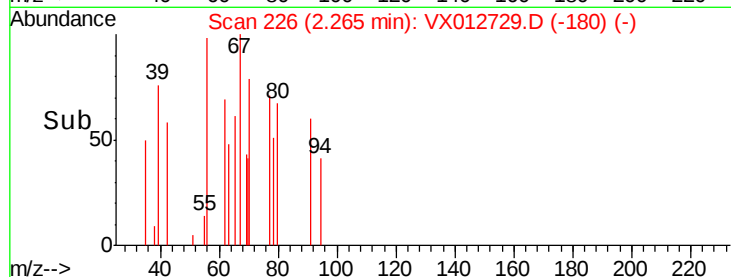
50

0

2.24 2.26 2.28 2.30

2.27

Time-->



#14

Allyl chloride

Concen: 1.624 ug/l

RT: 2.60 min Scan# 281

Delta R.T. -0.12 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

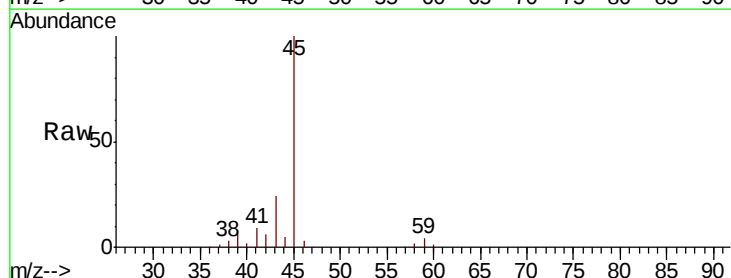
Tgt Ion: 41 Resp: 5517

Ion Ratio Lower Upper

41 100

39 84.1 51.3 76.9#

76 0.0 22.6 33.8#



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

3000

2000

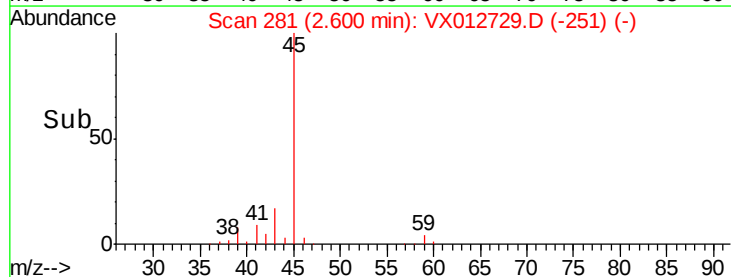
1000

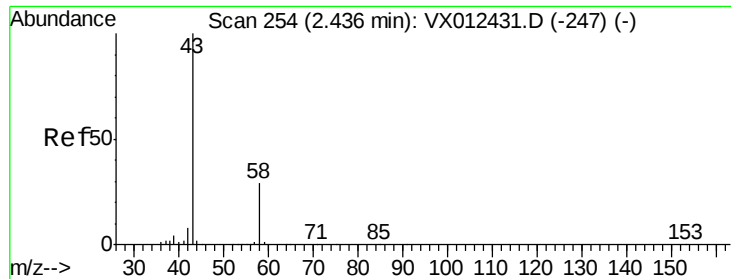
0

2.50 2.55 2.60 2.65 2.70

2.60

Time-->





#16

Acetone

Concen: 8.933 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

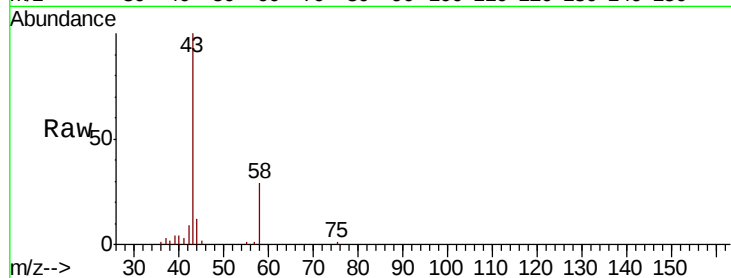
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 10974

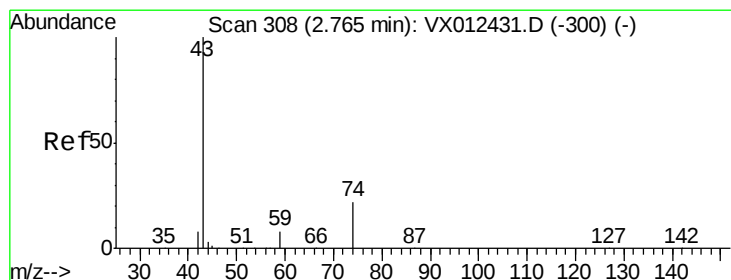
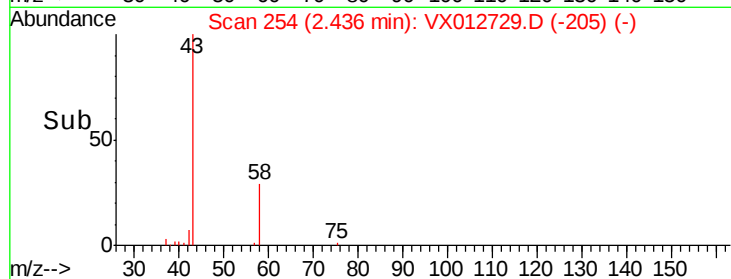
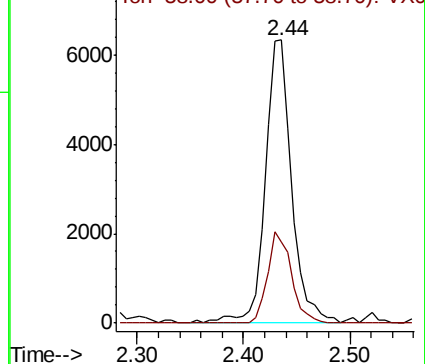
Ion Ratio Lower Upper

43 100

58 28.5 23.3 34.9



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



#18

Methyl Acetate

Concen: 0.255 ug/l

RT: 2.84 min Scan# 321

Delta R.T. 0.08 min

Lab File: VX012729.D

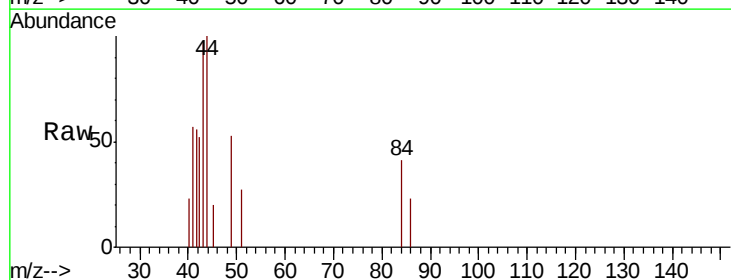
Acq: 01 Oct 2019 13:41

Tgt Ion: 43 Resp: 738

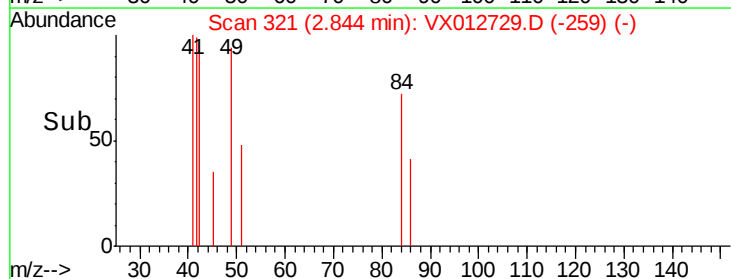
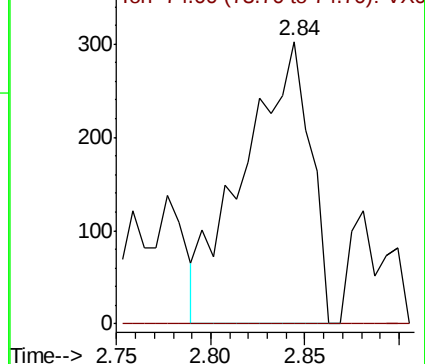
Ion Ratio Lower Upper

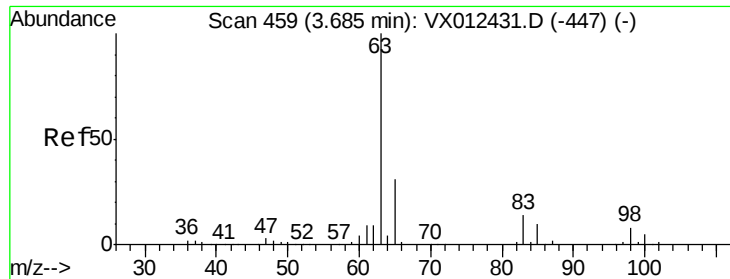
43 100

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

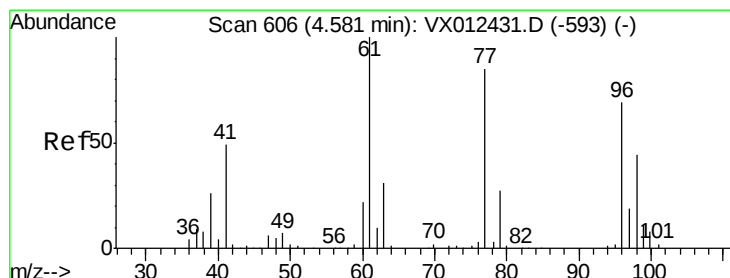
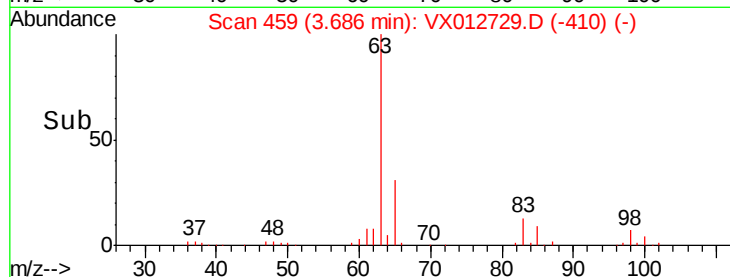
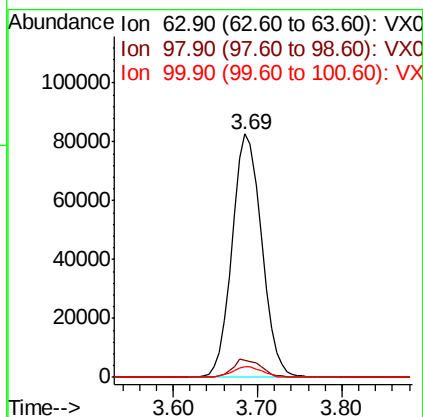
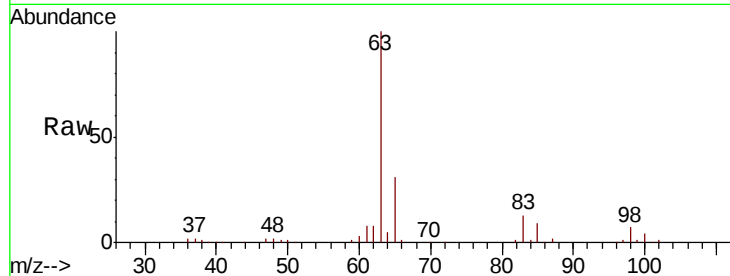




#24
 1,1-Dichloroethane
 Concen: 55.014 ug/l
 RT: 3.69 min Scan# 459
 Delta R.T. 0.00 min
 Lab File: VX012729.D
 Acq: 01 Oct 2019 13:41

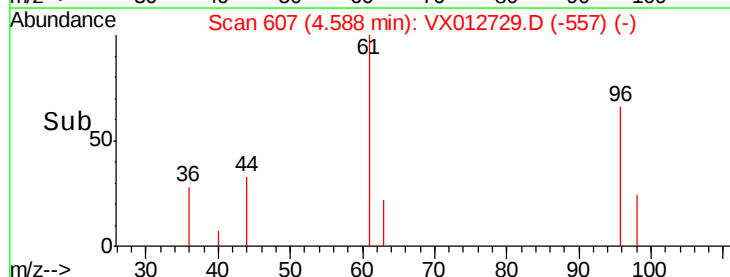
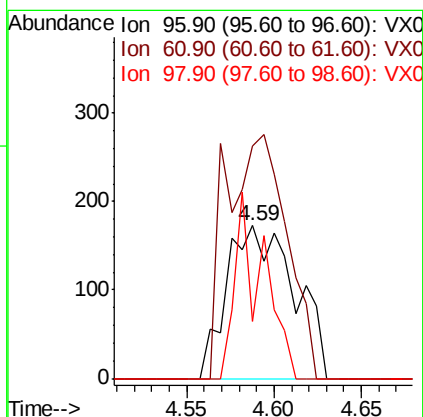
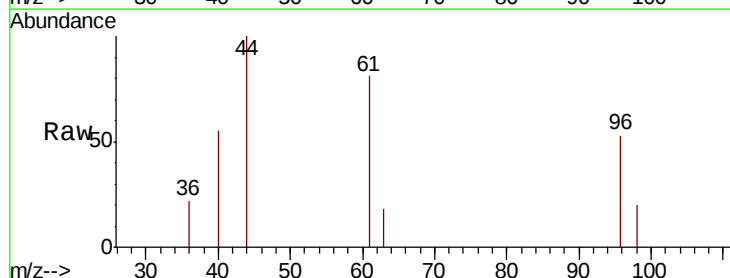
Instrument :
 MSVOA_X
 ClientSampled :

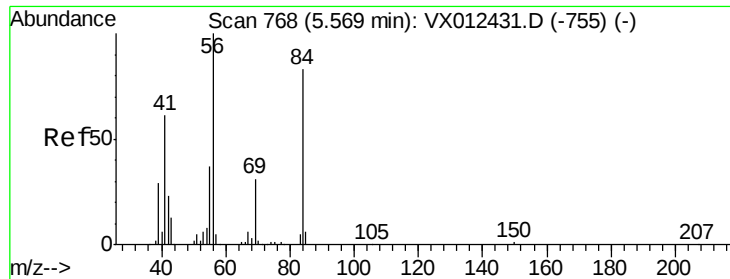
Tot Ion: 63 Resp: 196320
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.9 11.7
 100 4.2 2.3 6.9



#27
 cis-1,2-Dichloroethene
 Concen: 0.213 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012729.D
 Acq: 01 Oct 2019 13:41

Tgt Ion: 96 Resp: 468
 Ion Ratio Lower Upper
 96 100
 61 141.7 0.0 319.4
 98 50.4 0.0 130.6

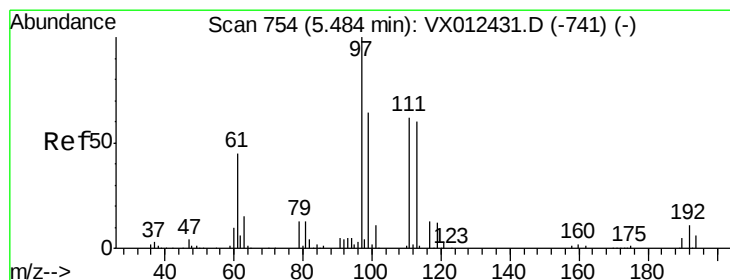
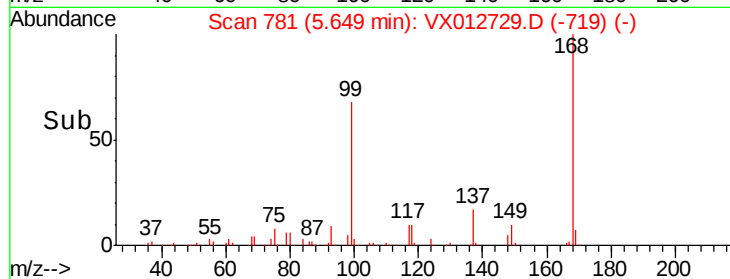
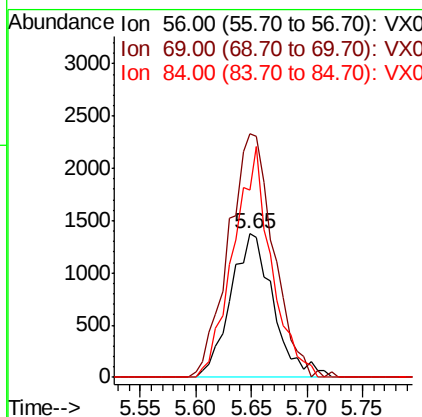
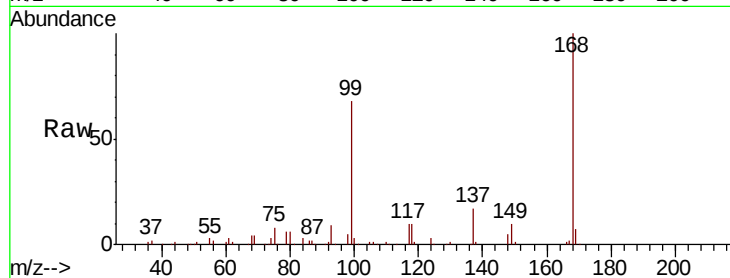




#31
Cvclohexane
Concen: 1.135 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.08 min
Lab File: VX012729.D
Acq: 01 Oct 2019 13:41

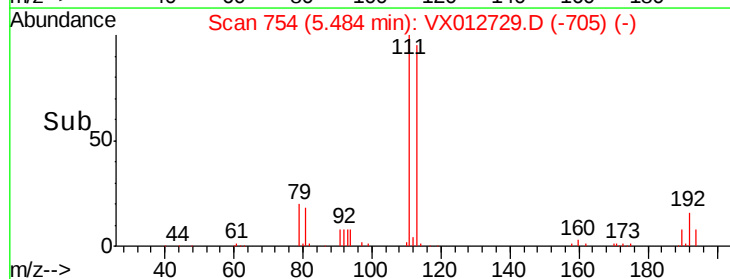
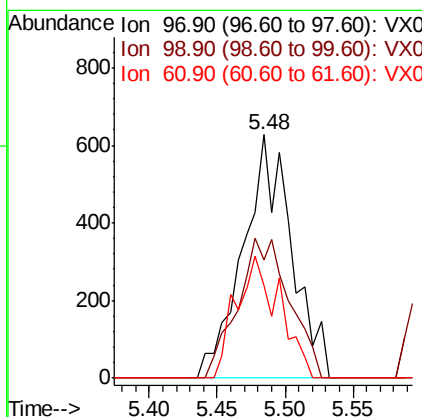
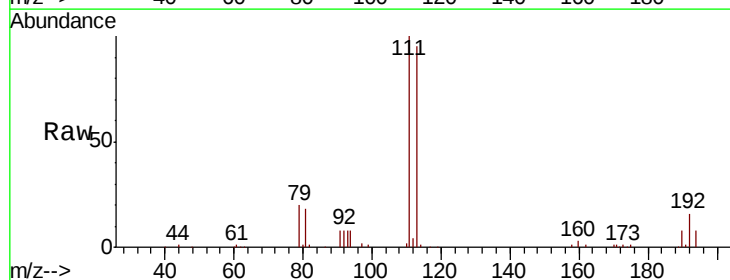
Instrument :
MSVOA_X
ClientSampled :

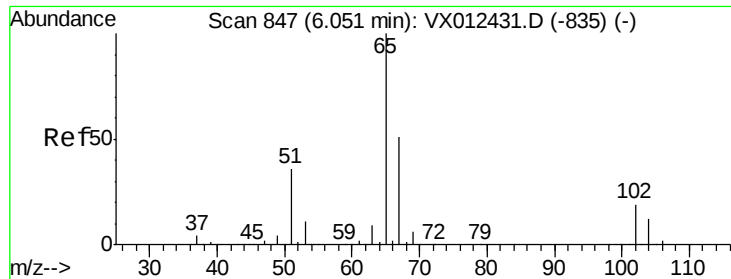
Tot Ion: 56 Resp: 3665
Ion Ratio Lower Upper
56 100
69 169.7 25.0 37.6#
84 130.9 66.4 99.6#



#32
1,1,1-Trichloroethane
Concen: 0.483 ug/l
RT: 5.48 min Scan# 754
Delta R.T. 0.00 min
Lab File: VX012729.D
Acq: 01 Oct 2019 13:41

Tgt Ion: 97 Resp: 1563
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9#
61 44.8 36.1 54.1

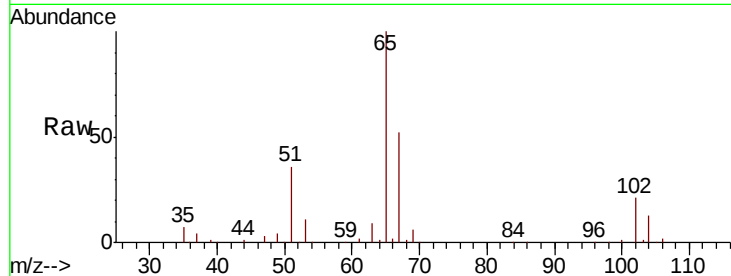




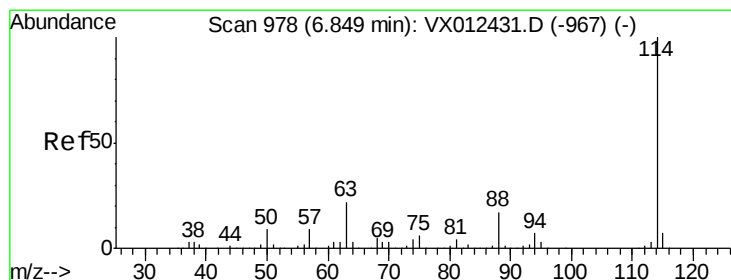
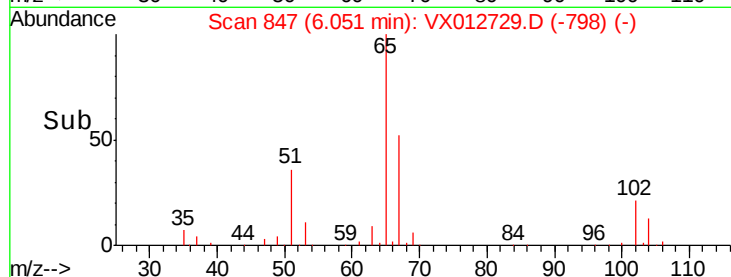
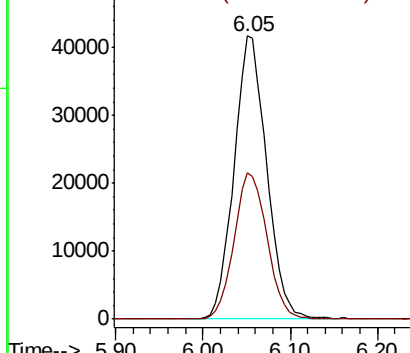
#33
 1,2-Dichloroethane-d4
 Concen: 46.570 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012729.D
 Acq: 01 Oct 2019 13:41

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 65 Resp: 108011
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 101.2

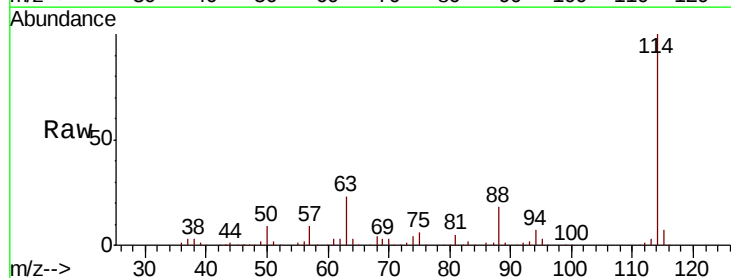


Abundance Ion 64.90 (64.60 to 65.60): VX0
 Ion 66.90 (66.60 to 67.60): VX0

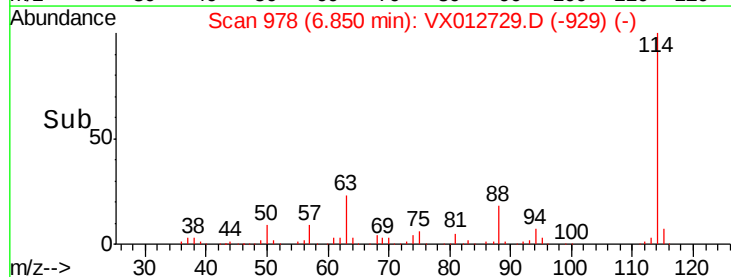
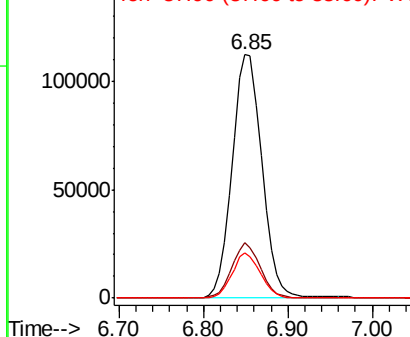


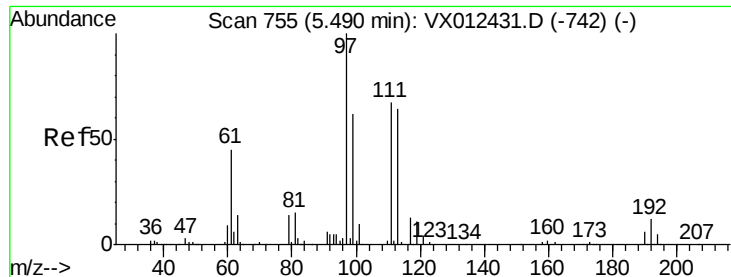
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012729.D
 Acq: 01 Oct 2019 13:41

Tgt Ion: 114 Resp: 269447
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.2
 88 18.3 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: 51.317 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :

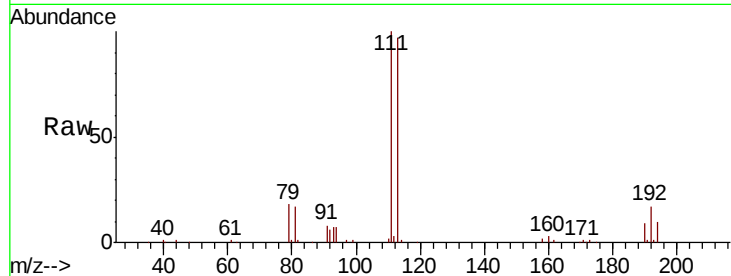
Tot Ion:113 Resp: 82347

Ion Ratio Lower Upper

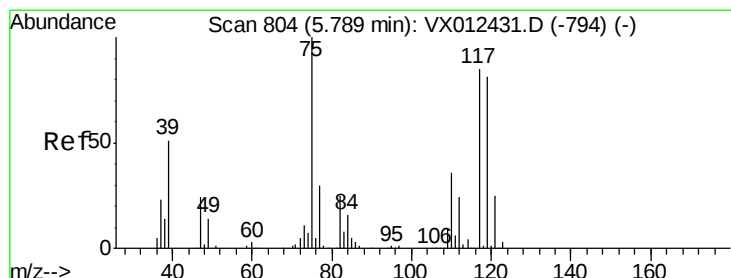
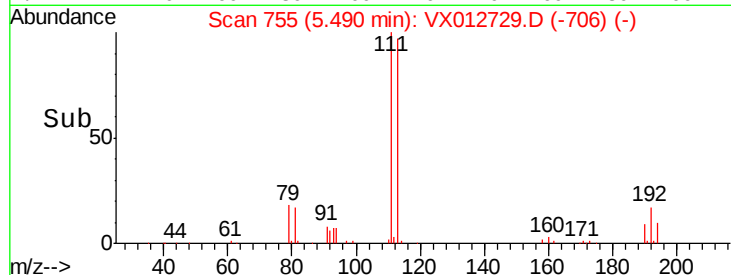
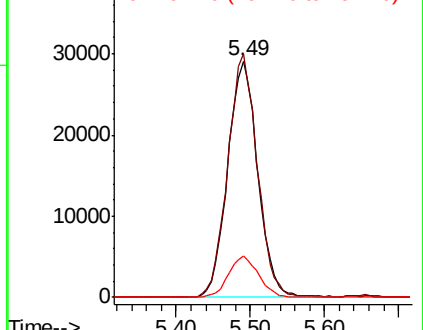
113 100

111 101.2 83.4 125.2

192 17.5 14.4 21.6



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: 4.955 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

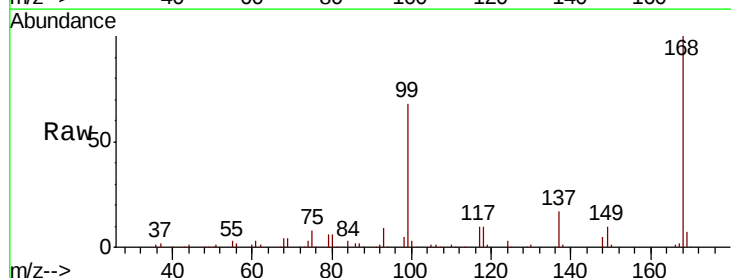
Tgt Ion: 75 Resp: 12869

Ion Ratio Lower Upper

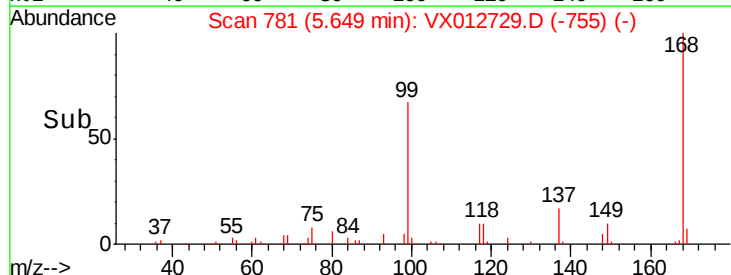
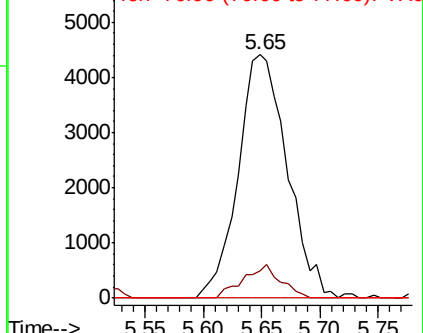
75 100

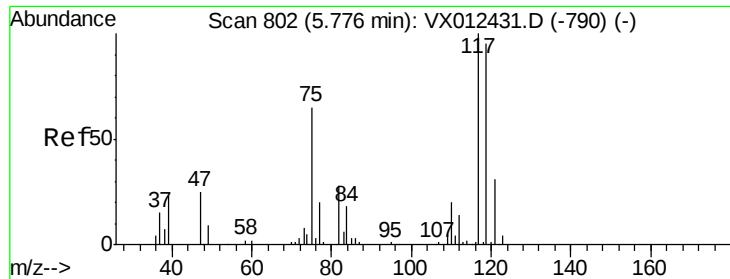
110 10.5 16.7 50.0#

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: 6.480 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.12 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

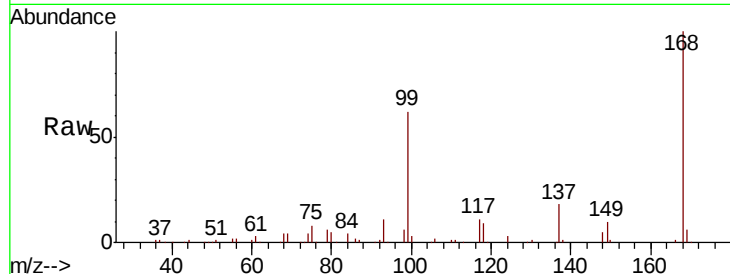
Tot Ion:117 Resp: 17095

Ion Ratio Lower Upper

117 100

119 3.9 75.7 113.5#

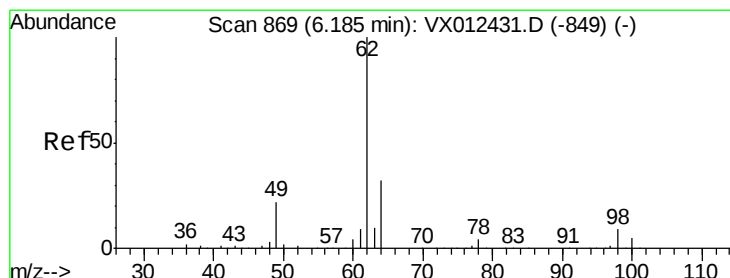
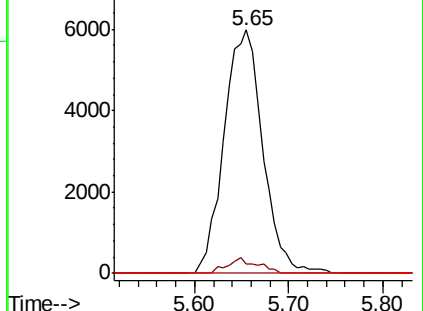
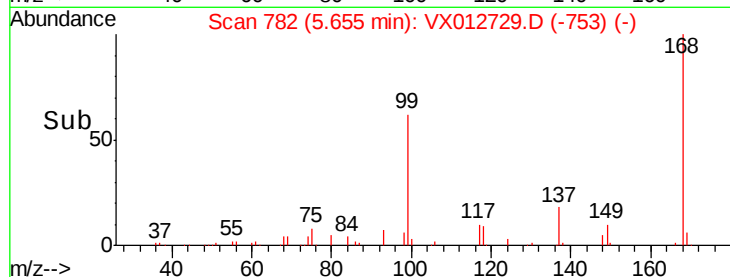
121 0.0 24.2 36.4#



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



#42

1,2-Dichloroethane

Concen: 0.232 ug/l

RT: 6.18 min Scan# 868

Delta R.T. -0.01 min

Lab File: VX012729.D

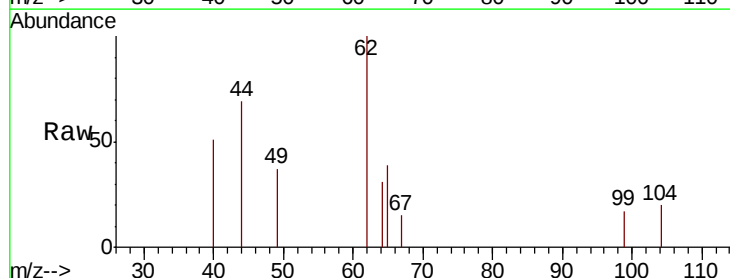
Acq: 01 Oct 2019 13:41

Tgt Ion: 62 Resp: 672

Ion Ratio Lower Upper

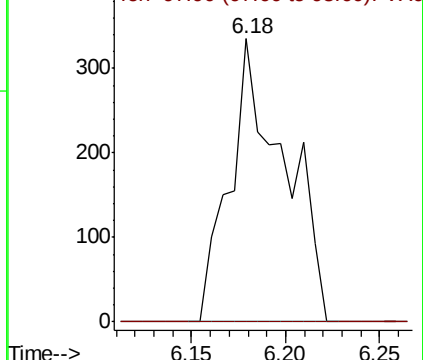
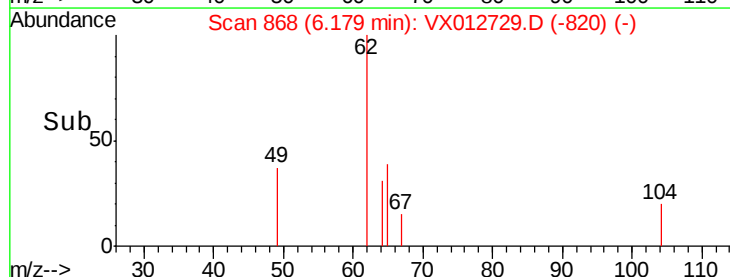
62 100

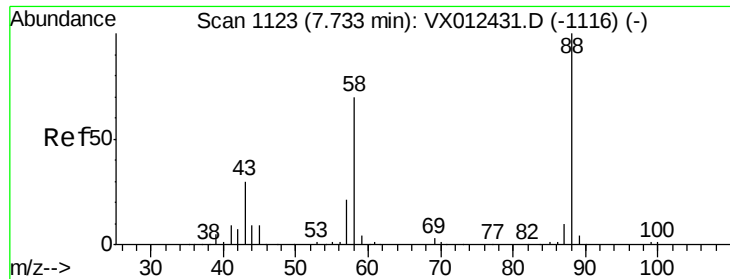
98 0.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 4.020 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

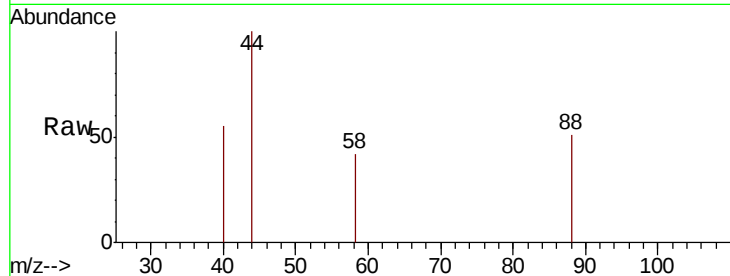
Tot Ion: 88 Resp: 222

Ion Ratio Lower Upper

88 100

43 29.3 29.4 44.0#

58 100.0 57.5 86.3#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

7.75

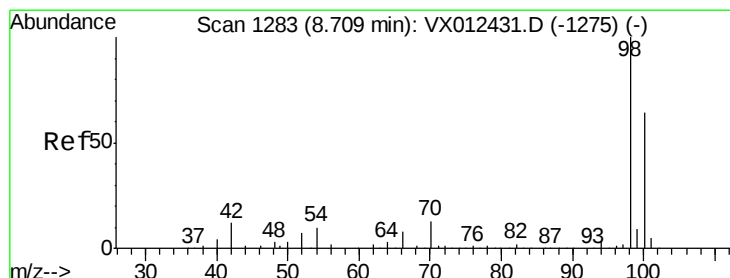
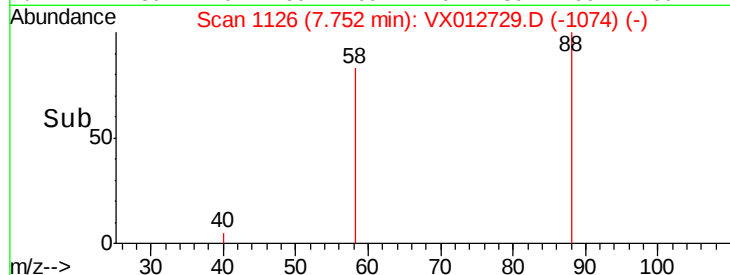
150

100

50

0

Time-->



#50

Toluene-d8

Concen: 50.556 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012729.D

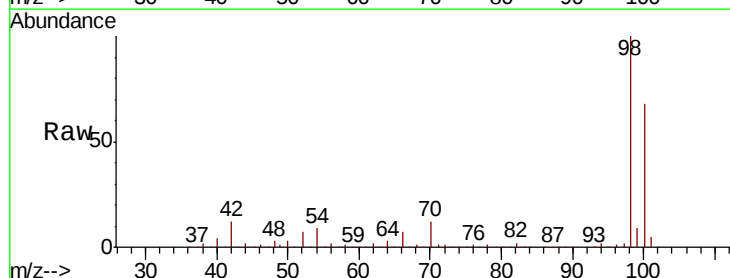
Acq: 01 Oct 2019 13:41

Tgt Ion: 98 Resp: 312418

Ion Ratio Lower Upper

98 100

100 67.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

200000

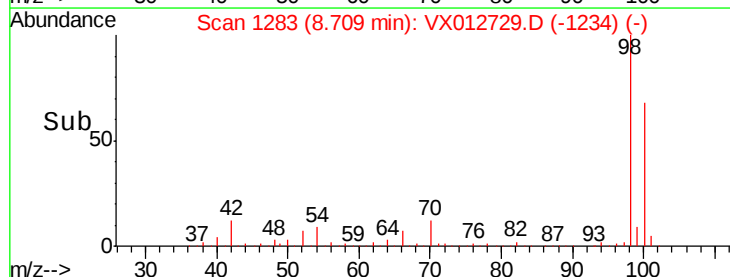
150000

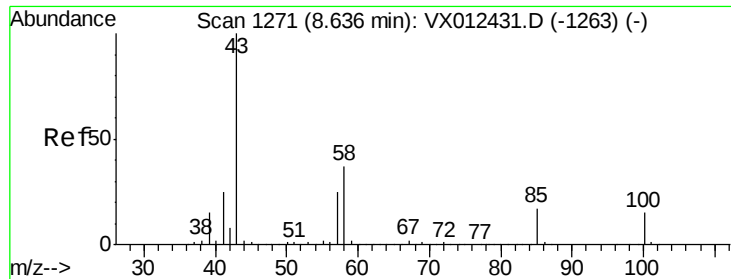
100000

50000

0

Time-->





#51

4-Methyl-2-Pentanone

Concen: 0.436 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

Instrument :

MSVOA_X

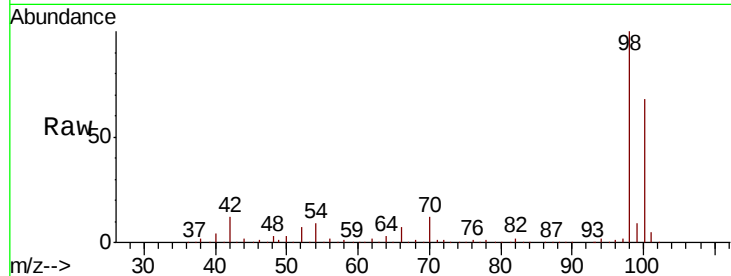
ClientSampled :

Tot Ion: 43 Resp: 1366

Ion Ratio Lower Upper

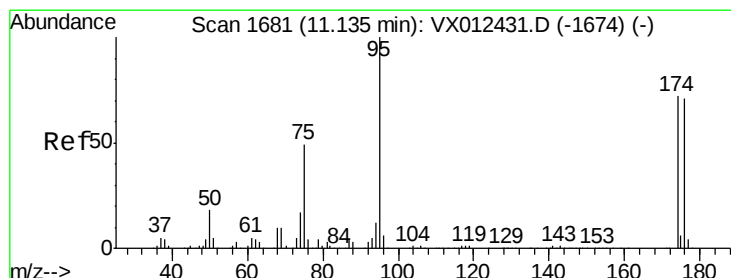
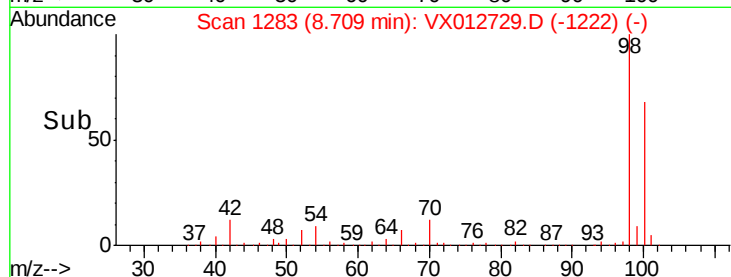
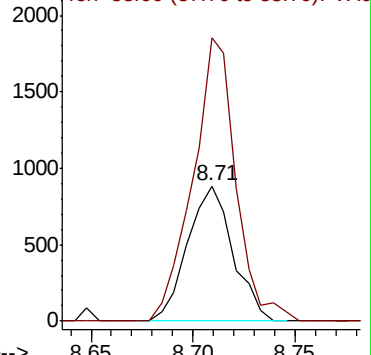
43 100

58 198.8 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: 40.101 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

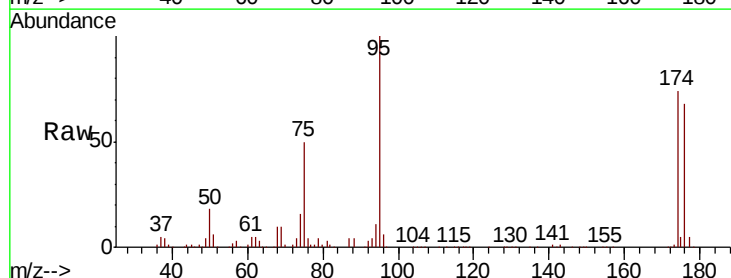
Tgt Ion: 95 Resp: 97440

Ion Ratio Lower Upper

95 100

174 68.8 0.0 140.0

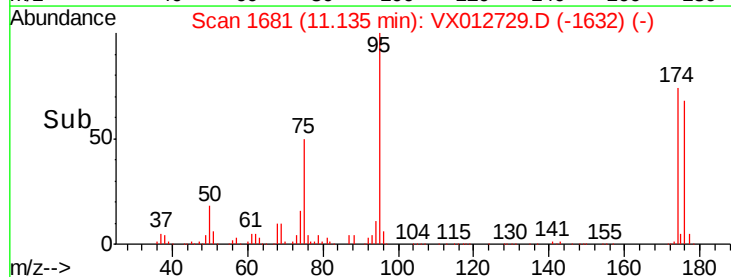
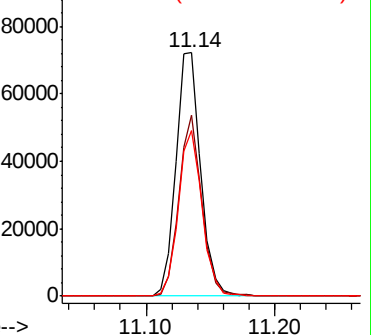
176 65.7 0.0 135.4

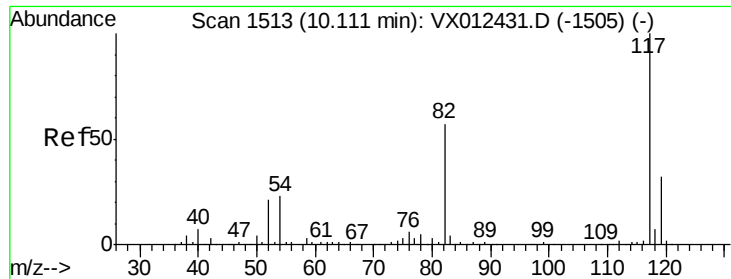


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

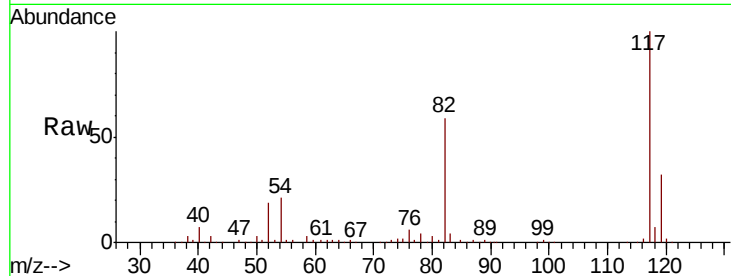




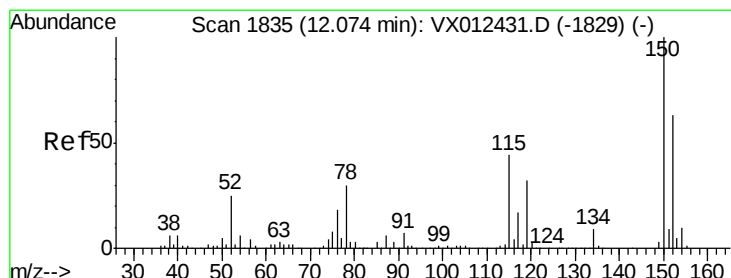
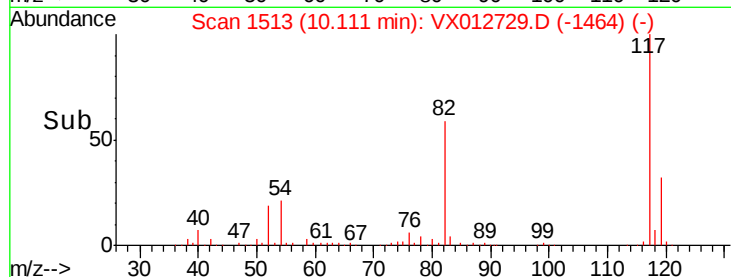
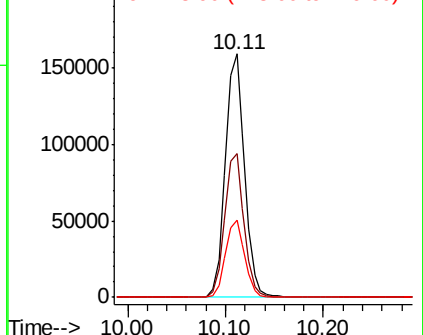
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012729.D
Acq: 01 Oct 2019 13:41

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 217513
Ion Ratio Lower Upper
117 100
82 59.1 45.9 68.9
119 31.7 25.3 37.9

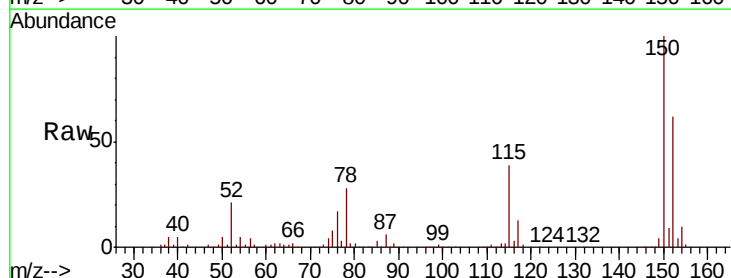


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

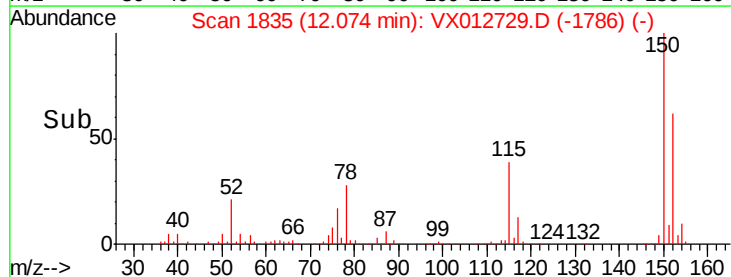
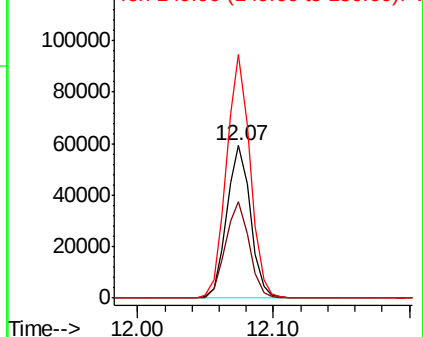


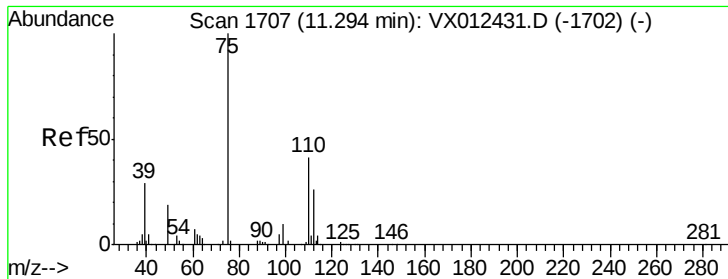
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012729.D
Acq: 01 Oct 2019 13:41

Tgt Ion:152 Resp: 71556
Ion Ratio Lower Upper
152 100
115 63.6 44.1 132.3
150 159.9 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: 26.038 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

Instrument :

MSVOA_X

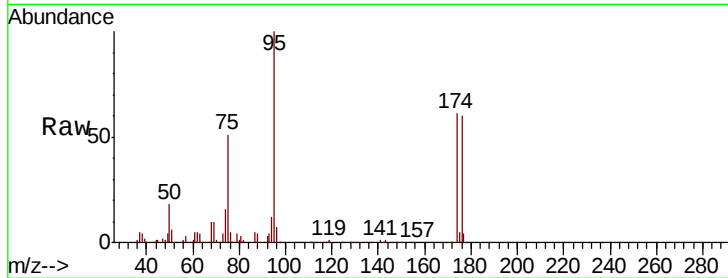
ClientSampled :

Tot Ion: 75 Resp: 49285

Ion Ratio Lower Upper

75 100

77 1.1 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

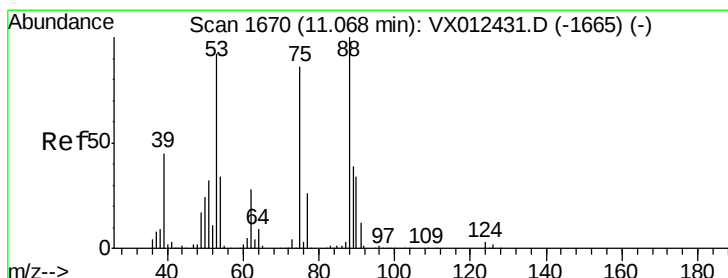
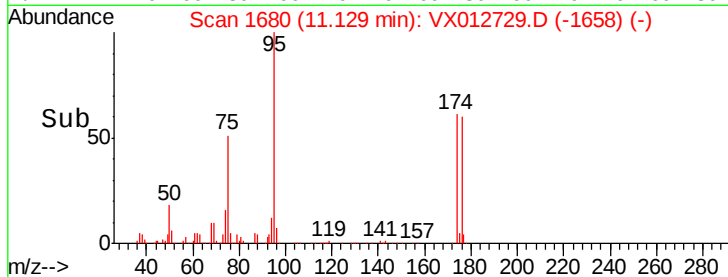
20000

10000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 74.618 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

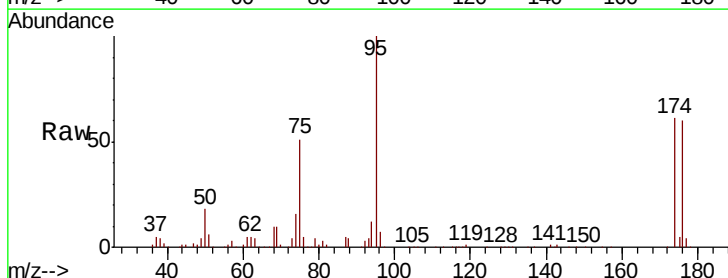
Tgt Ion: 75 Resp: 49285

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

50000

40000

30000

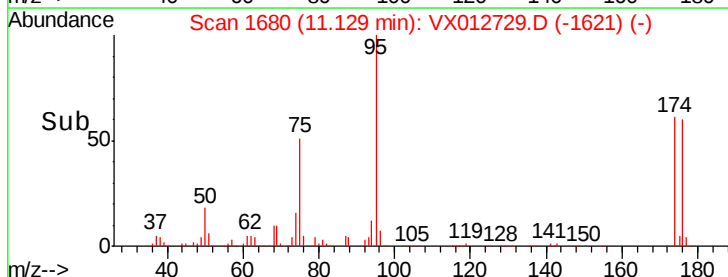
20000

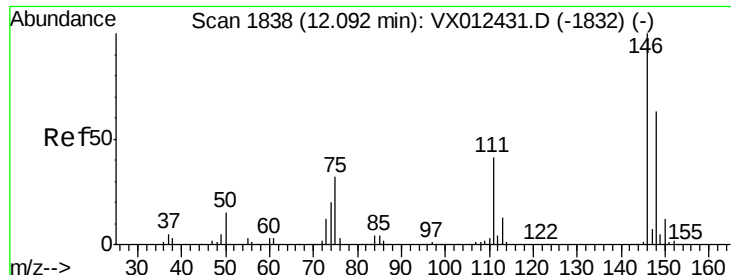
10000

0

Time-->

11.10 11.20





#88

1,4-Dichlorobenzene

Concen: 0.601 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

Instrument :

MSVOA_X

ClientSampleId :

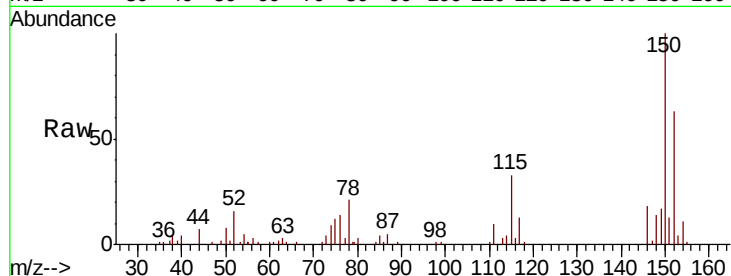
Tot Ion:146 Resp: 1442

Ion Ratio Lower Upper

146 100

111 119.4 21.1 63.3#

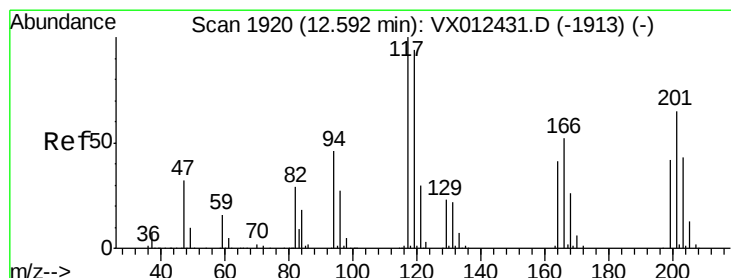
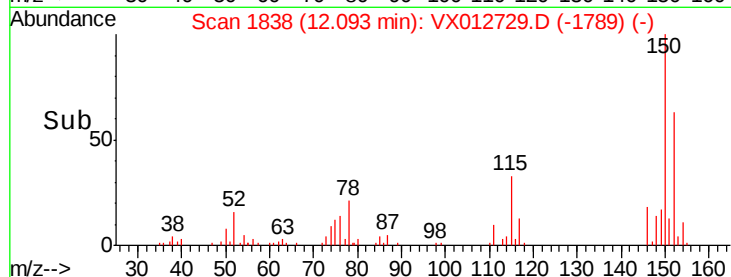
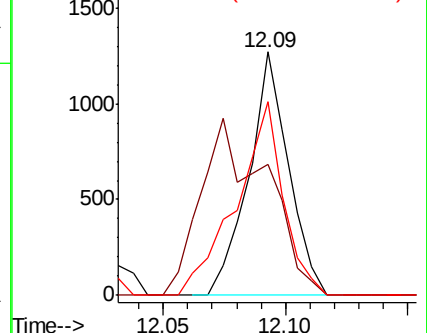
148 93.7 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

Hexachloroethane

Concen: 0.531 ug/l

RT: 12.75 min Scan# 1946

Delta R.T. 0.16 min

Lab File: VX012729.D

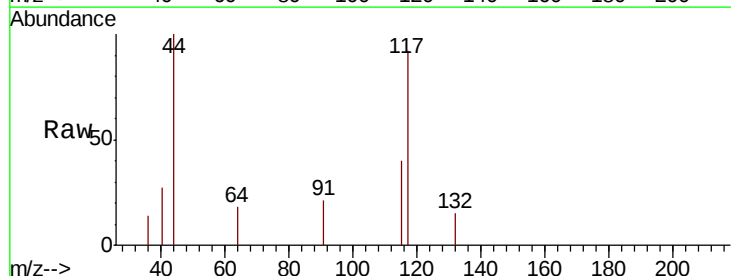
Acq: 01 Oct 2019 13:41

Tgt Ion:117 Resp: 468

Ion Ratio Lower Upper

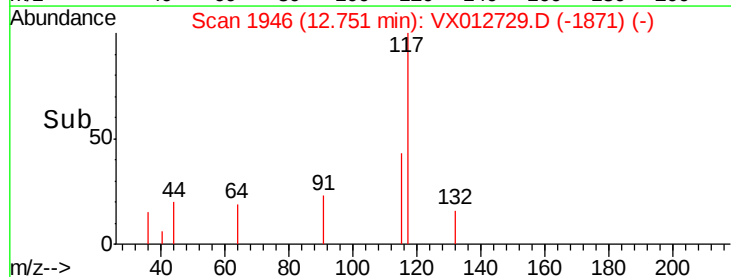
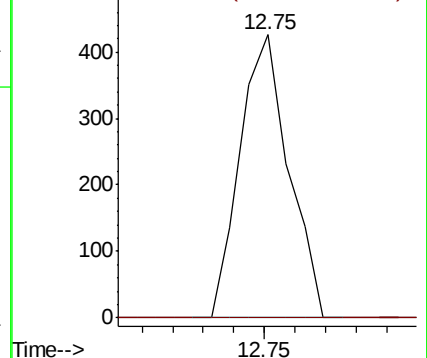
117 100

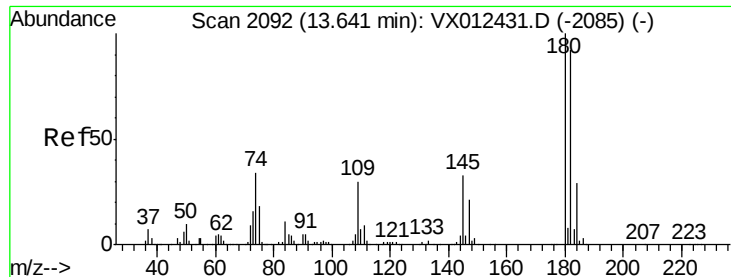
201 0.0 33.3 99.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#93

1,2,4-Trichlorobenzene

Concen: 0.558 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

Instrument :

MSVOA_X

ClientSampled :

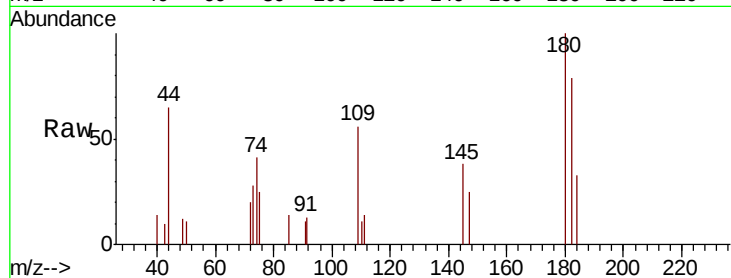
Tot Ion:180 Resp: 808

Ion Ratio Lower Upper

180 100

182 89.6 47.0 141.0

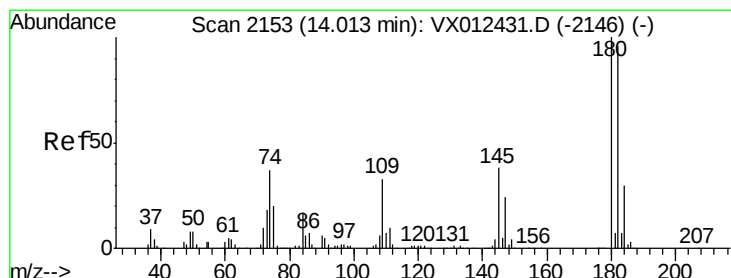
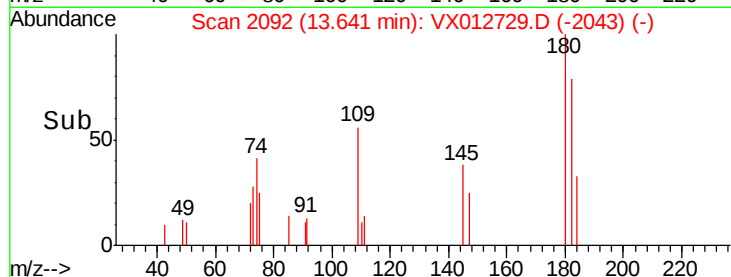
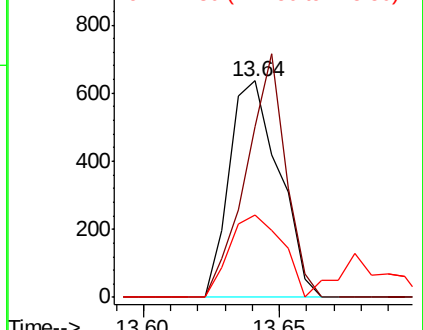
145 40.1 16.8 50.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#96

1,2,3-Trichlorobenzene

Concen: 0.216 ug/l

RT: 14.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VX012729.D

Acq: 01 Oct 2019 13:41

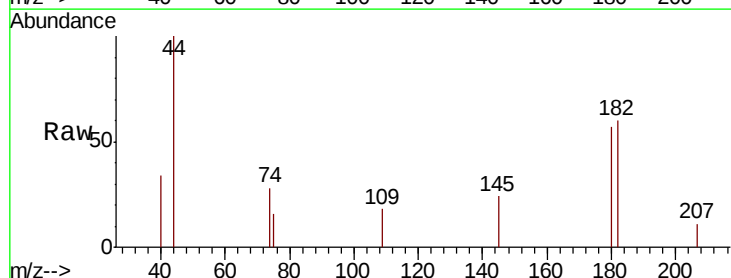
Tgt Ion:180 Resp: 313

Ion Ratio Lower Upper

180 100

182 113.1 47.1 141.3

145 88.8 18.0 54.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

