

Data File : VX019621.D
Acq On : 24 Nov 2020 22:07
Operator : JC/MD
Sample : VX1124WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1124WBL02

Quant Time: Nov 25 04:07:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	306207	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	510723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	464931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	193942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192506	48.49	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.98%		
35) Dibromofluoromethane	5.46	113	149921	46.77	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.54%		
50) Toluene-d8	8.70	98	615275	49.39	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.78%		
62) 4-Bromofluorobenzene	11.12	95	210145	46.89	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	93.78%		

Target Compounds

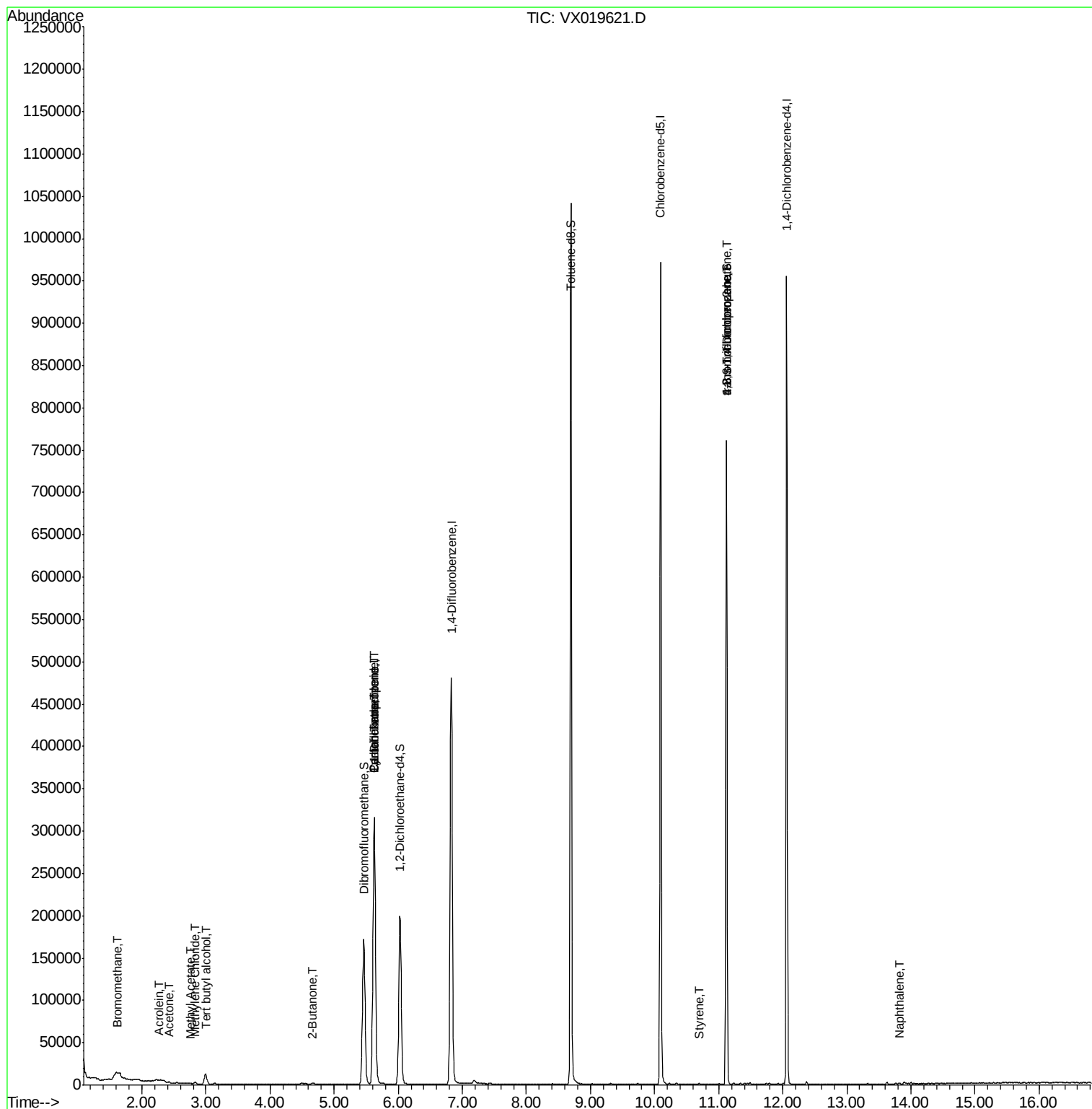
					Qvalue	
5) Bromomethane	1.62	94	681	0.489	ug/l #	60
6) Chloroethane	1.68	64	312	Below Cal	#	41
11) Tert butyl alcohol	3.00	59	8264	10.999	ug/l #	75
13) Acrolein	2.27	56	131	0.259	ug/l #	1
16) Acetone	2.42	43	1473	0.959	ug/l	99
18) Methyl Acetate	2.75	43	729	0.826	ug/l #	85
20) Methylene Chloride	2.83	84	1019	0.266	ug/l	94
25) 2-Butanone	4.66	43	490	0.212	ug/l #	45
31) Cyclohexane	5.62	56	6288	1.218	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22982	4.800	ug/l #	50
38) Carbon Tetrachloride	5.62	117	30125	6.500	ug/l #	17
70) Styrene	10.70	104	375	1.679	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	102663	24.256	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	102663	64.200	ug/l #	12
95) Naphthalene	13.82	128	1032	2.247	ug/l #	84

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

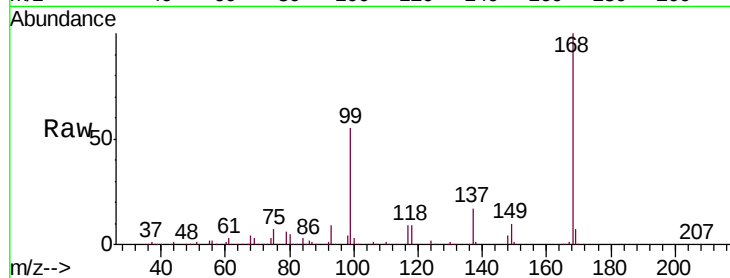
VX1124WBL02

Tgt Ion:168 Resp: 306207

Ion Ratio Lower Upper

168 100

99 54.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

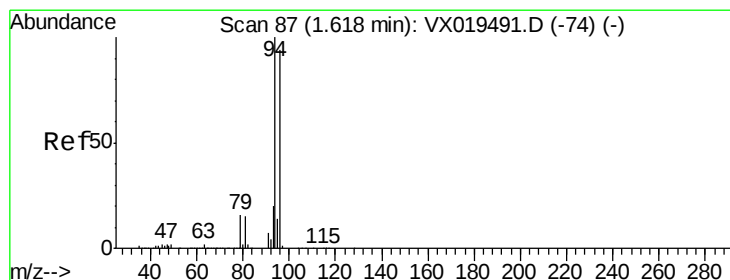
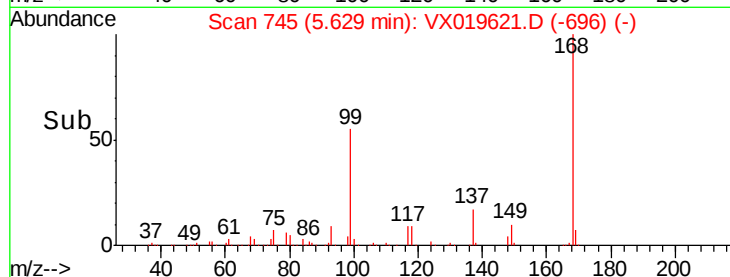
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.489 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019621.D

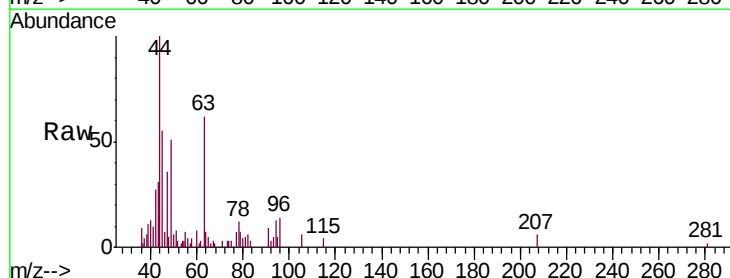
Acq: 24 Nov 2020 22:07

Tgt Ion: 94 Resp: 681

Ion Ratio Lower Upper

94 100

96 132.8 75.6 113.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.62

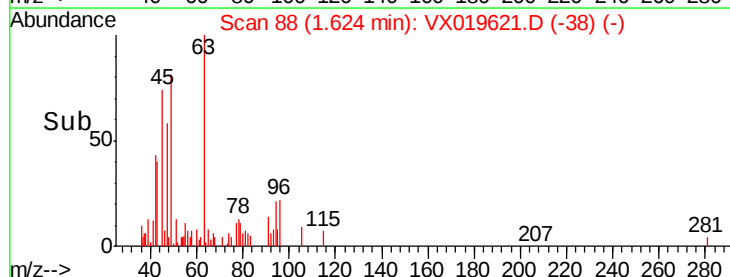
300

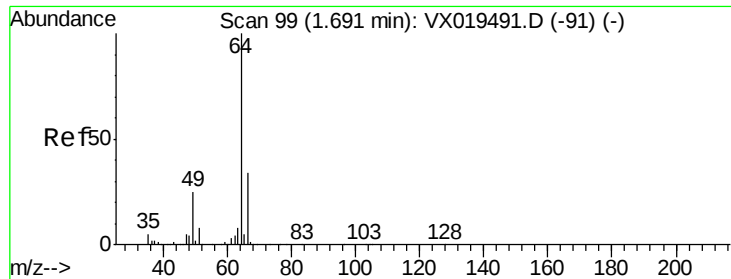
200

100

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 98

Delta R.T. -0.01 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

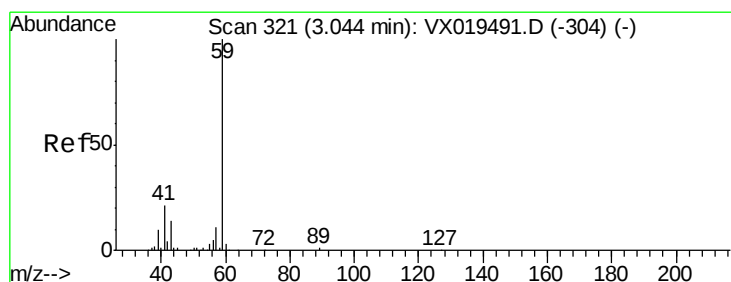
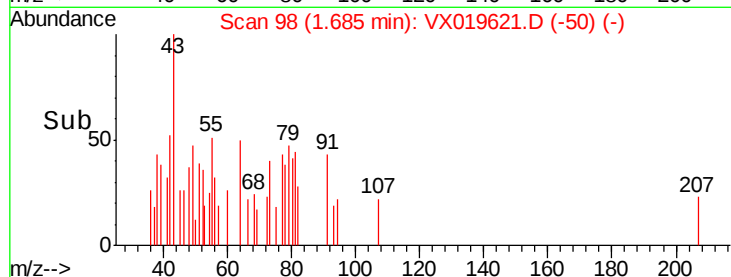
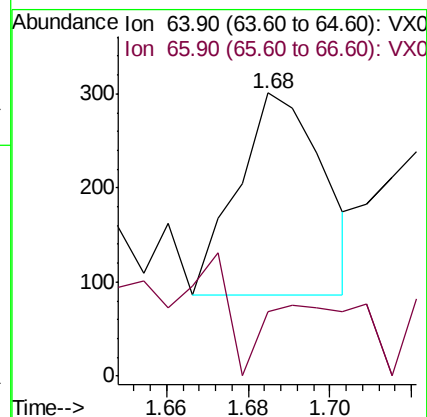
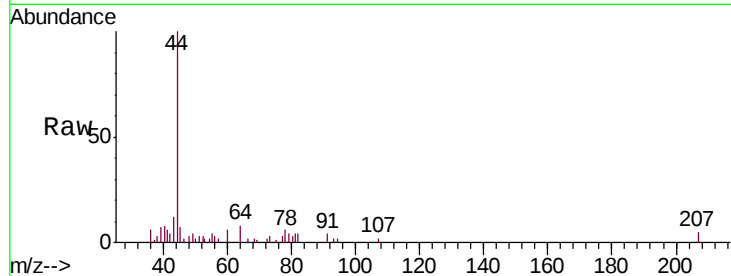
VX1124WBL02

Tgt Ion: 64 Resp: 312

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



#11

Tert butyl alcohol

Concen: 10.999 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019621.D

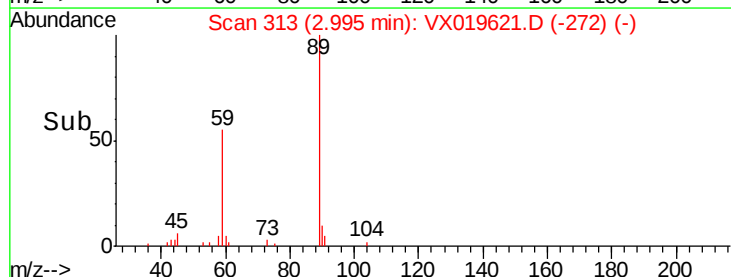
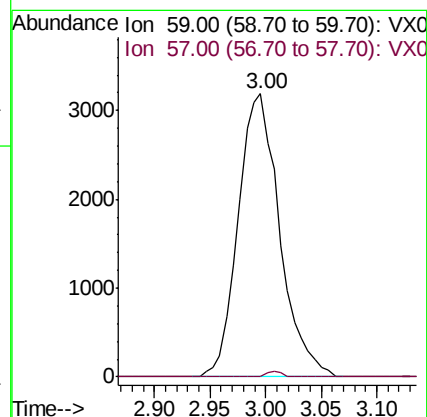
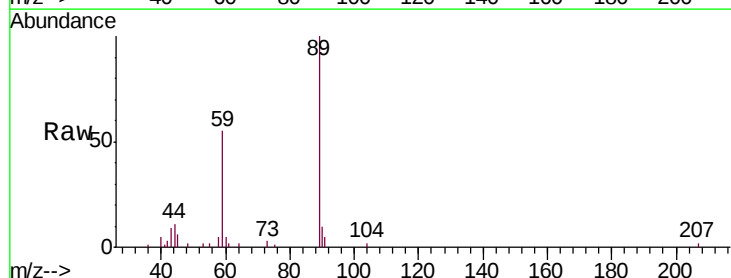
Acq: 24 Nov 2020 22:07

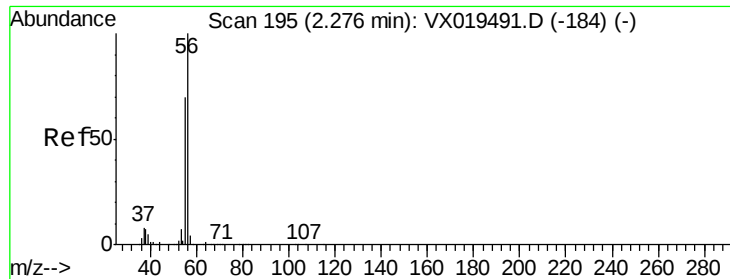
Tgt Ion: 59 Resp: 8264

Ion Ratio Lower Upper

59 100

57 0.8 7.9 11.9#





#13

Acrolein

Concen: 0.259 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

Instrument :

MSVOA_X

ClientSampled :

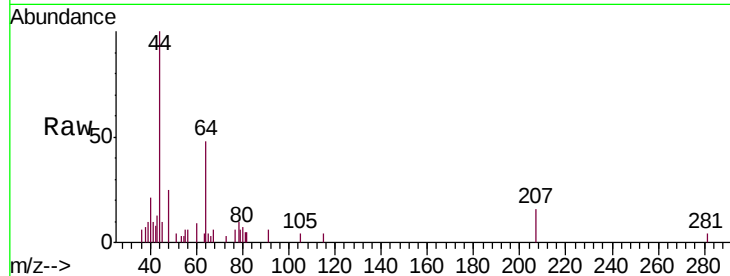
VX1124WBL02

Tgt Ion: 56 Resp: 131

Ion Ratio Lower Upper

56 100

55 194.7 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

150

100

50

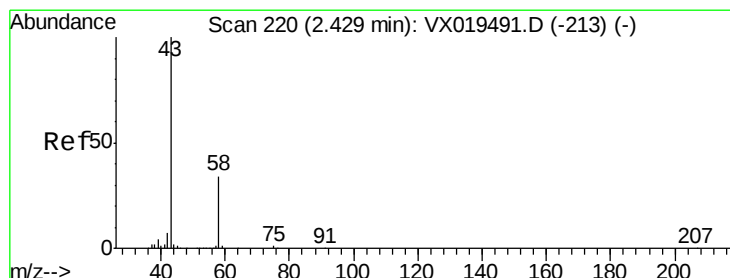
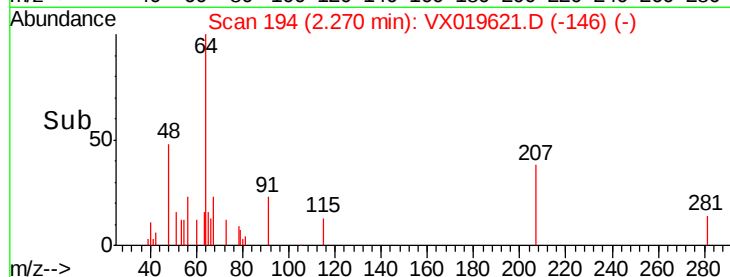
0

2.24

2.26

2.28

Time-->



#16

Acetone

Concen: 0.959 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.01 min

Lab File: VX019621.D

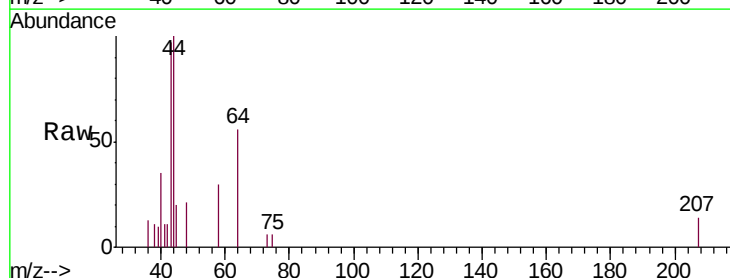
Acq: 24 Nov 2020 22:07

Tgt Ion: 43 Resp: 1473

Ion Ratio Lower Upper

43 100

58 33.6 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

800

600

400

200

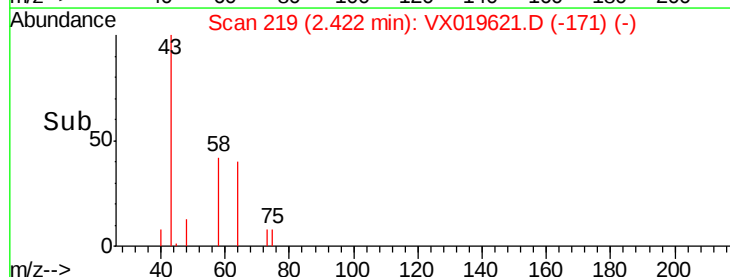
0

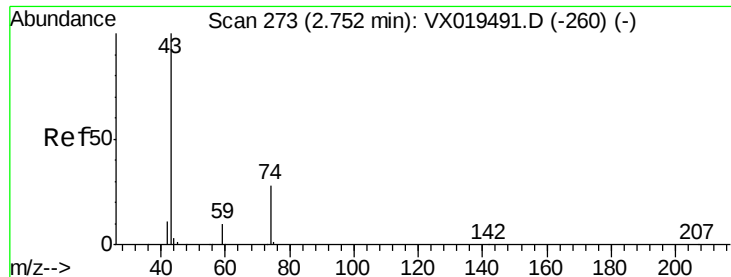
2.35

2.40

2.45

Time-->

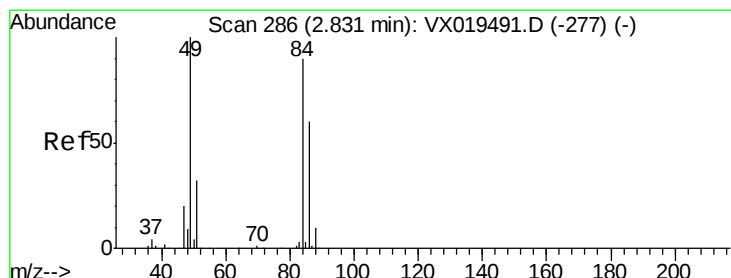
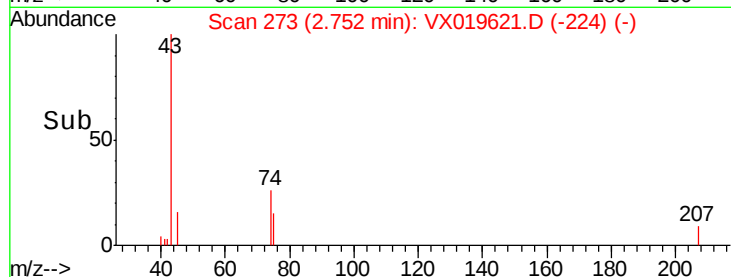
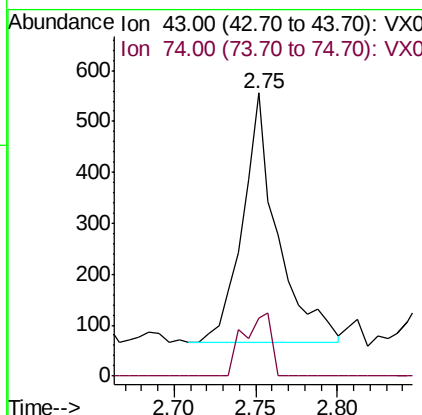
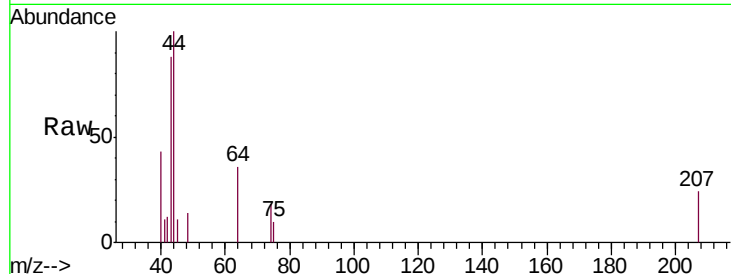




#18
Methyl Acetate
Concen: 0.826 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019621.D
Acq: 24 Nov 2020 22:07

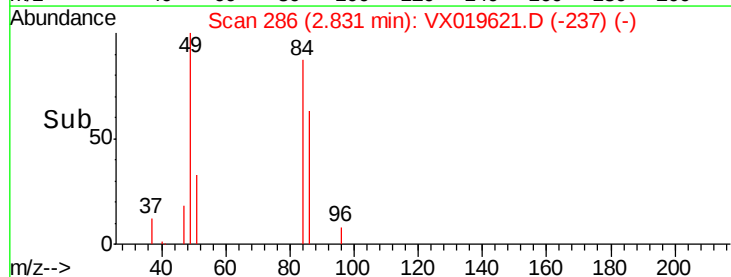
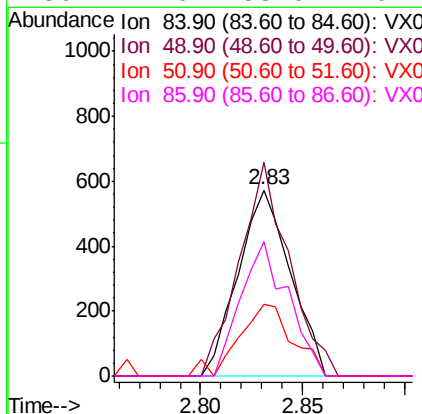
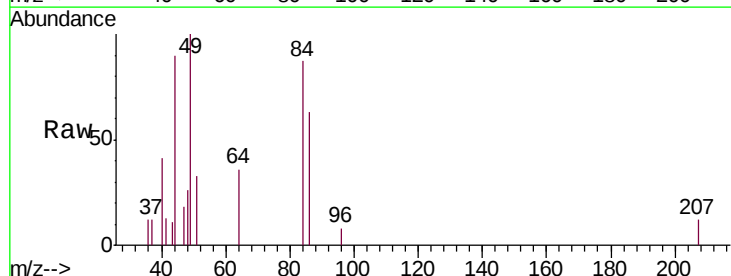
Instrument :
MSVOA_X
ClientSampleId :
VX1124WBL02

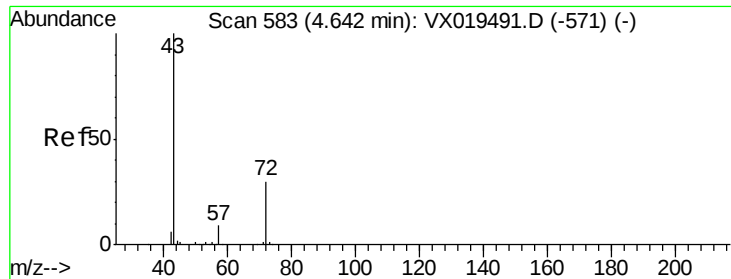
Tgt Ion: 43 Resp: 729
Ion Ratio Lower Upper
43 100
74 20.2 22.2 33.4#



#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019621.D
Acq: 24 Nov 2020 22:07

Tgt Ion: 84 Resp: 1019
Ion Ratio Lower Upper
84 100
49 114.8 88.5 132.7
51 38.2 28.0 42.0
86 72.6 53.0 79.4





#25

2-Butanone

Concen: 0.212 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

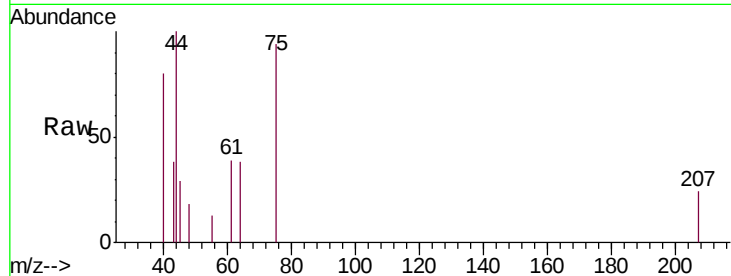
VX1124WBL02

Tgt Ion: 43 Resp: 490

Ion Ratio Lower Upper

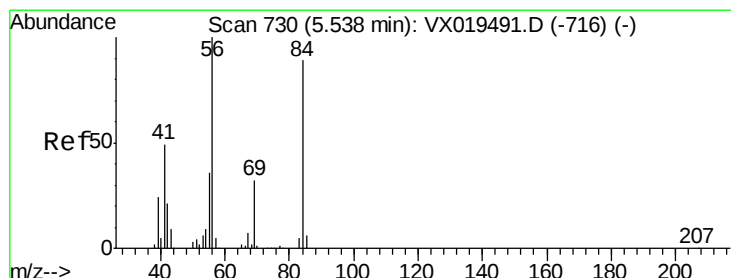
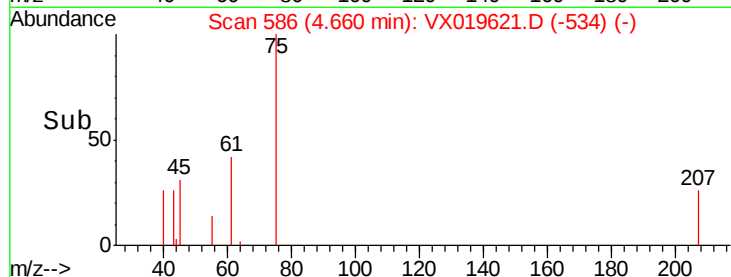
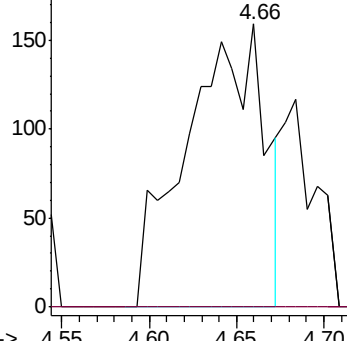
43 100

72 0.0 24.0 36.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

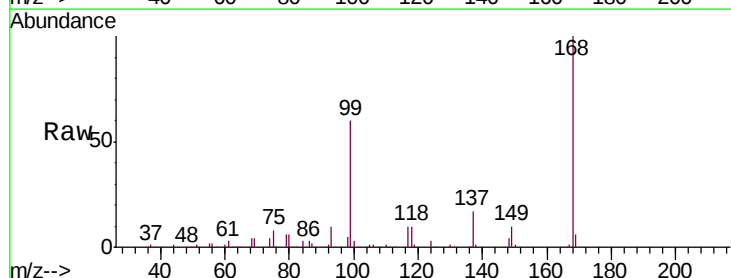
Tgt Ion: 56 Resp: 6288

Ion Ratio Lower Upper

56 100

69 195.8 25.5 38.3#

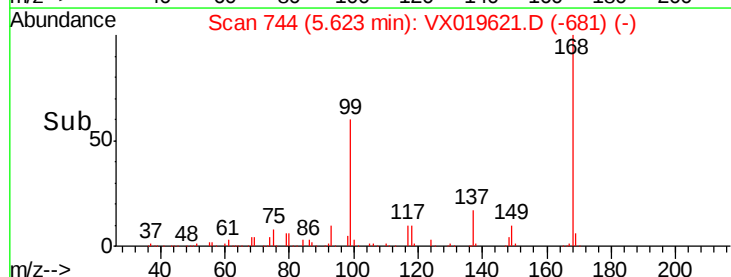
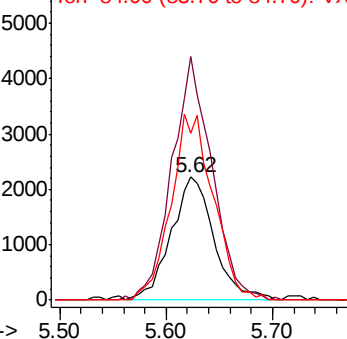
84 135.7 71.1 106.7#

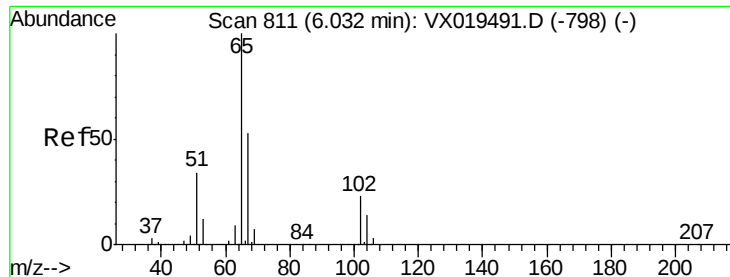


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.487 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

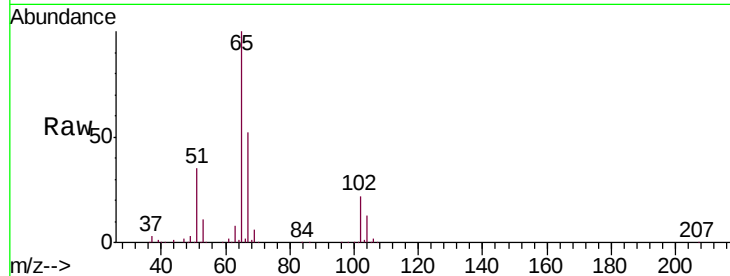
VX1124WBL02

Tgt Ion: 65 Resp: 192506

Ion Ratio Lower Upper

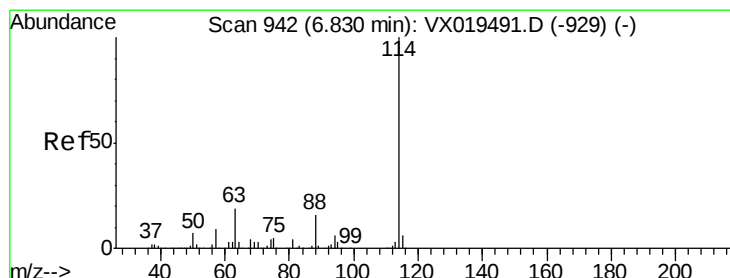
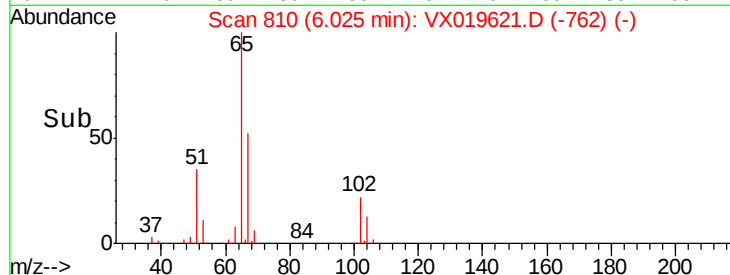
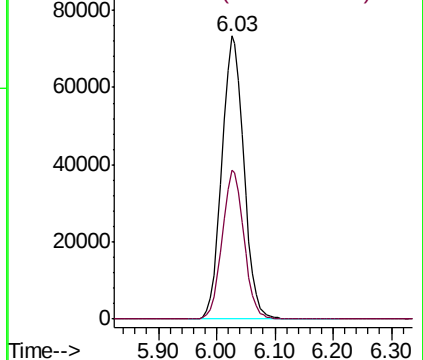
65 100

67 52.1 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

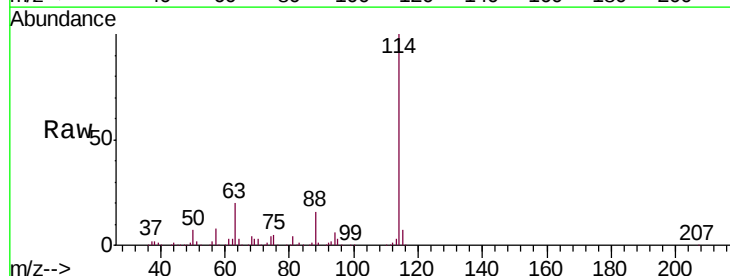
Tgt Ion: 114 Resp: 510723

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.8

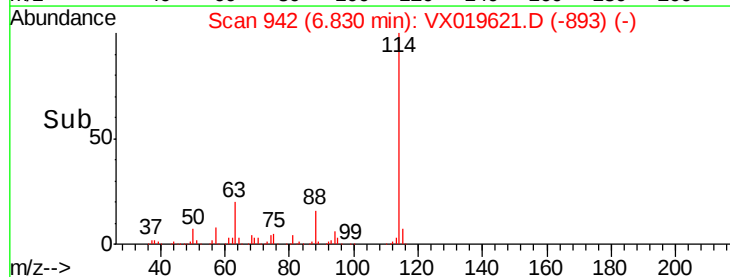
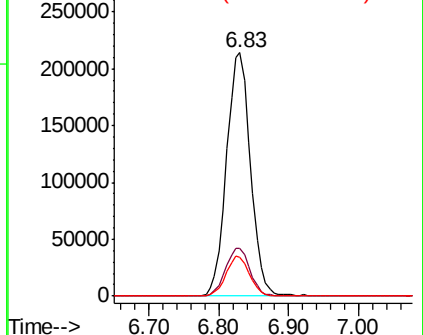
88 16.1 0.0 31.6

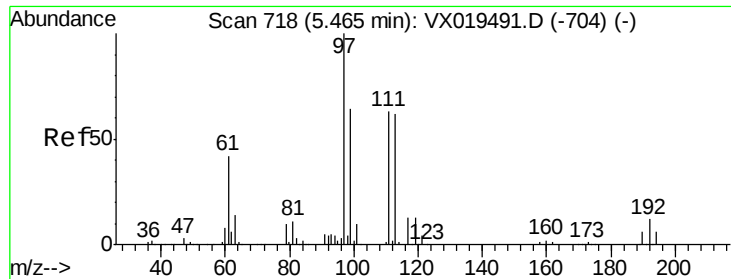


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.765 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

VX1124WBL02

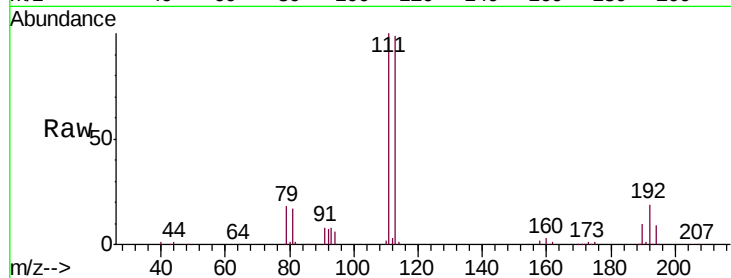
Tgt Ion:113 Resp: 149921

Ion Ratio Lower Upper

113 100

111 103.1 81.5 122.3

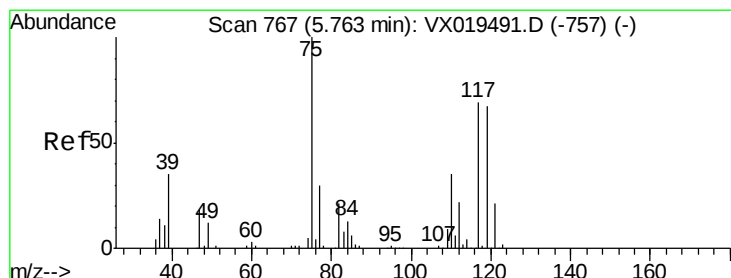
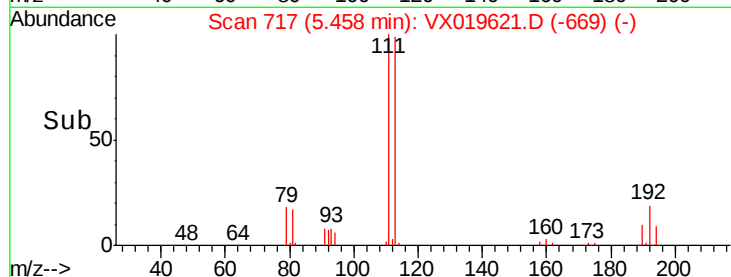
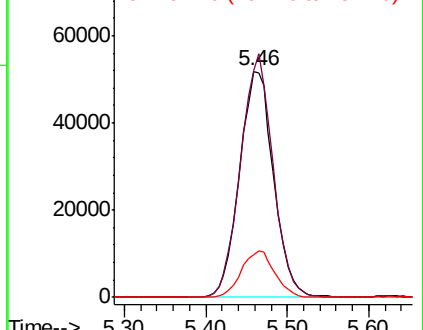
192 20.2 16.2 24.2



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: 4.800 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

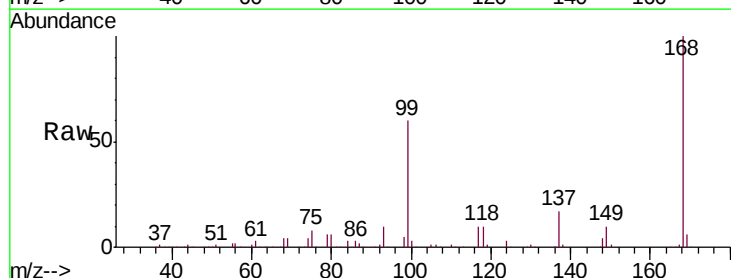
Tgt Ion: 75 Resp: 22982

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.3#

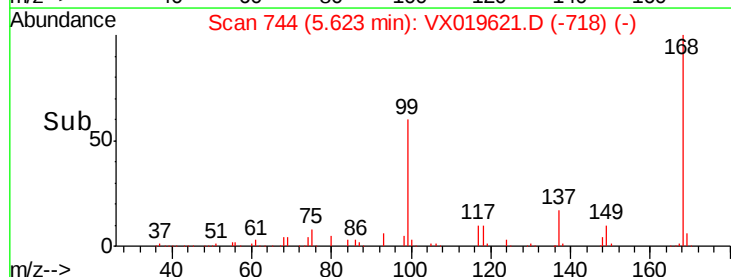
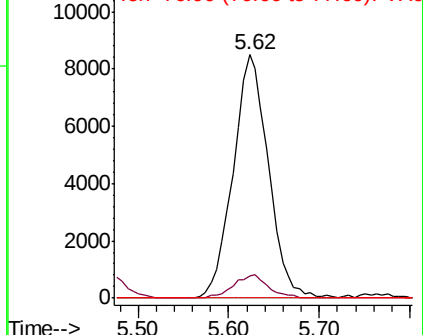
77 0.0 24.2 36.4#

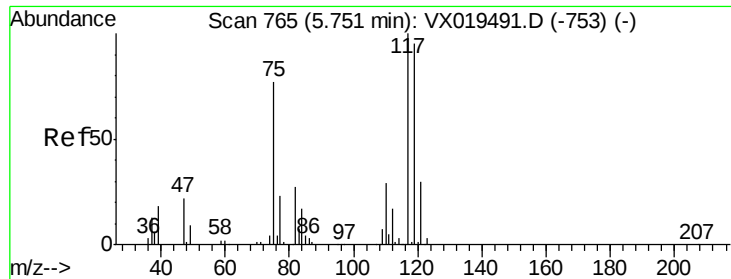


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

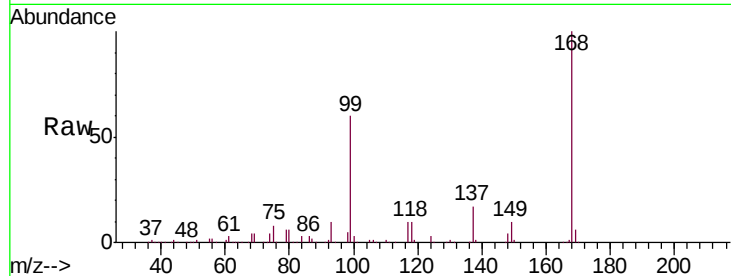




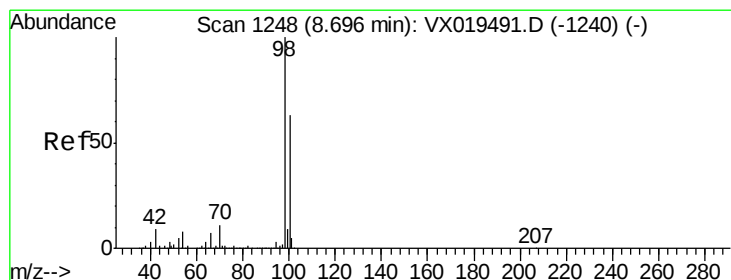
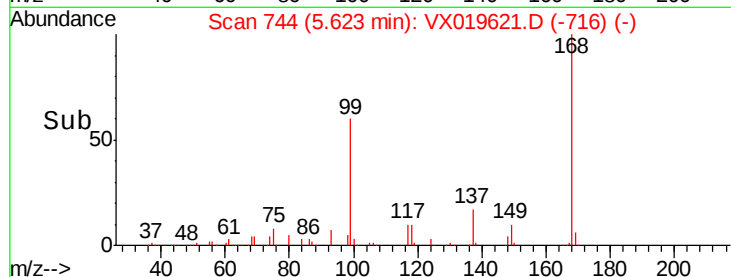
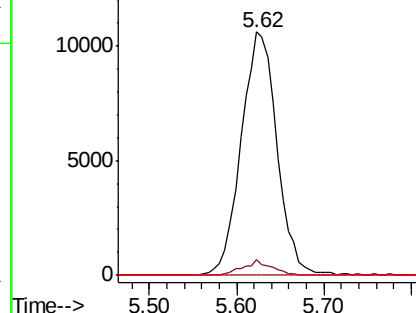
#38
Carbon Tetrachloride
Concen: 6.500 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019621.D
Acq: 24 Nov 2020 22:07

Instrument :
MSVOA_X
ClientSampleId :
VX1124WBL02

Tgt Ion:117 Resp: 30125
Ion Ratio Lower Upper
117 100
119 6.4 75.9 113.9#
121 0.0 24.0 36.0#

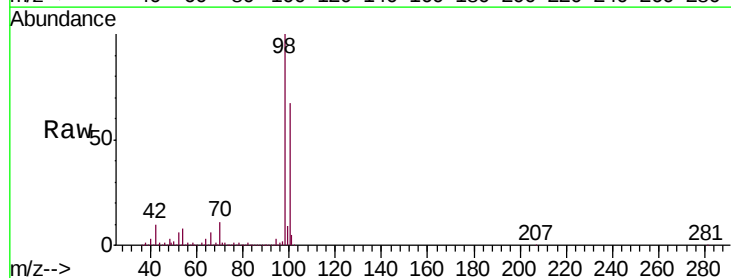


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

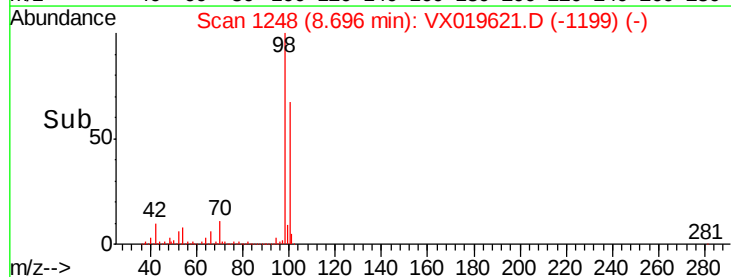
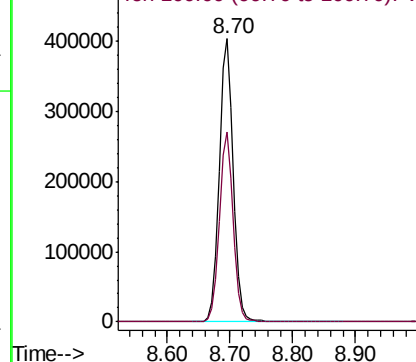


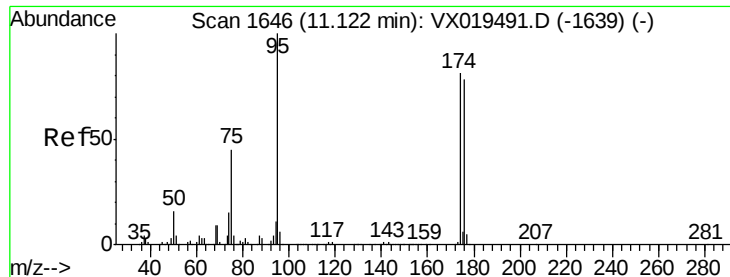
#50
Toluene-d8
Concen: 49.390 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019621.D
Acq: 24 Nov 2020 22:07

Tgt Ion: 98 Resp: 615275
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6



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





#62

4-Bromofluorobenzene

Concen: 46.886 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

VX1124WBL02

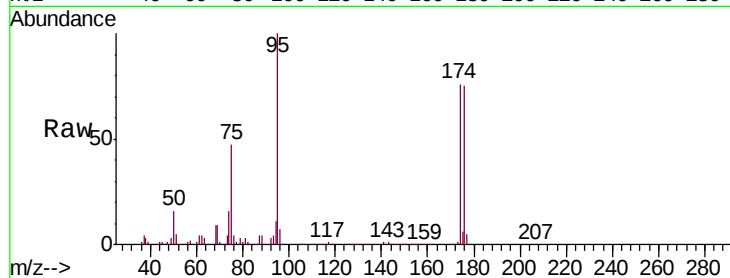
Tgt Ion: 95 Resp: 210145

Ion Ratio Lower Upper

95 100

174 76.5 0.0 156.2

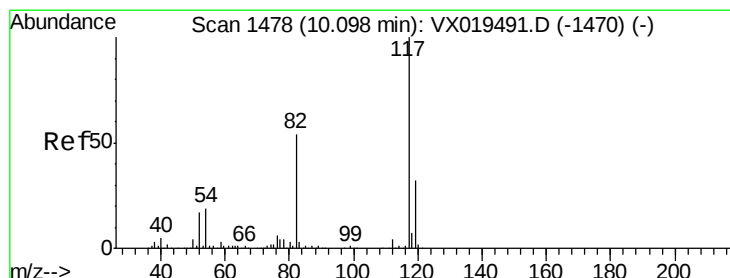
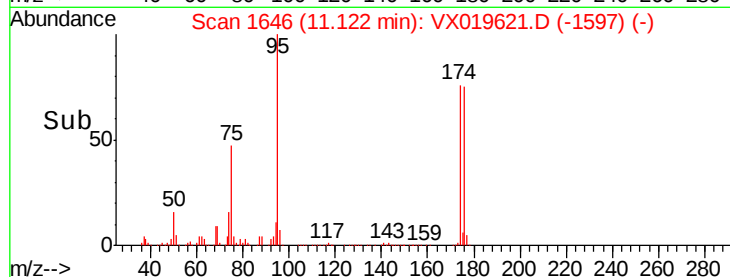
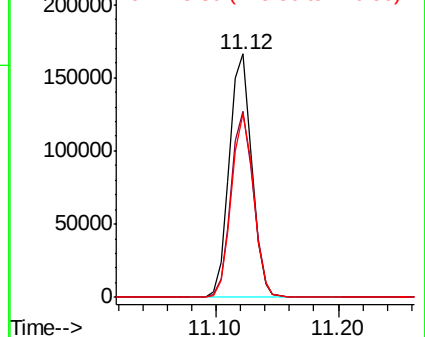
176 74.5 0.0 151.4



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: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

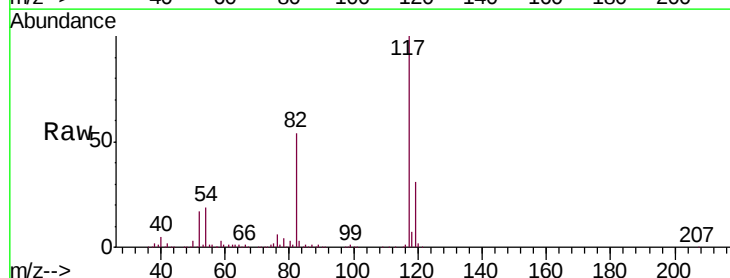
Tgt Ion: 117 Resp: 464931

Ion Ratio Lower Upper

117 100

82 54.2 43.0 64.4

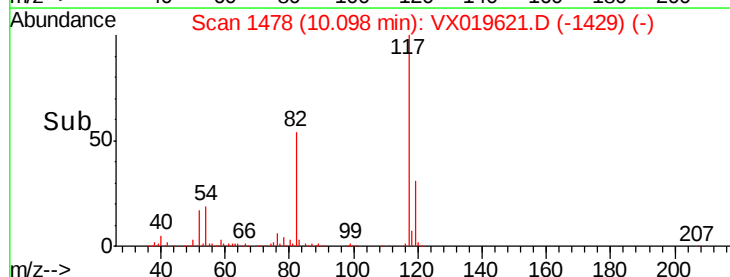
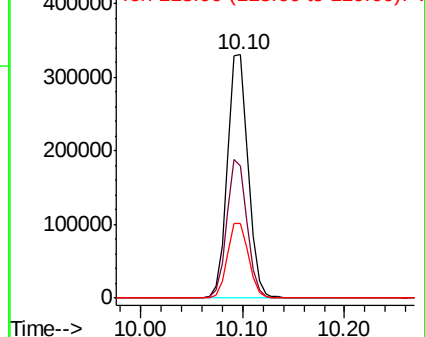
119 30.6 25.6 38.4

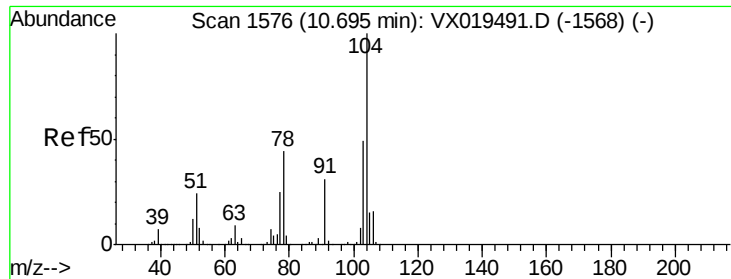


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

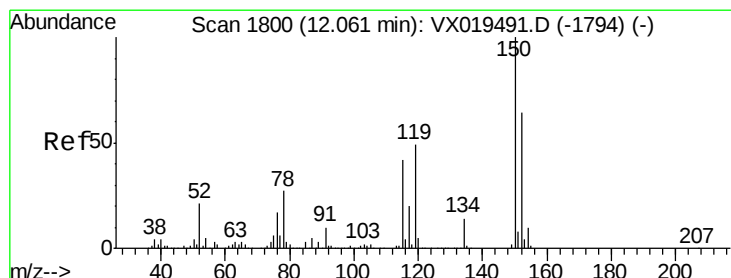
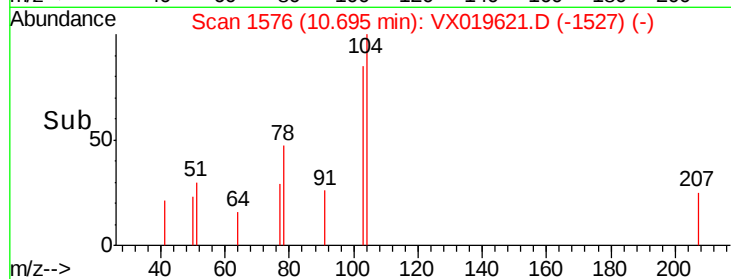
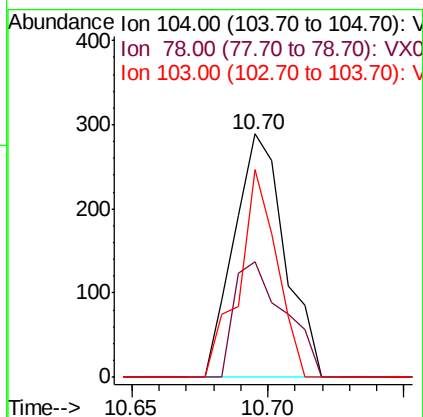
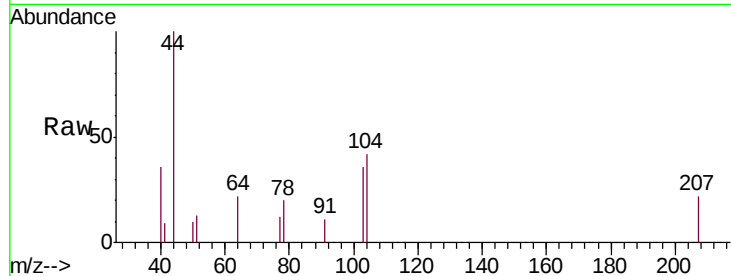




#70
Styrene
Concen: 1.679 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX019621.D
Acq: 24 Nov 2020 22:07

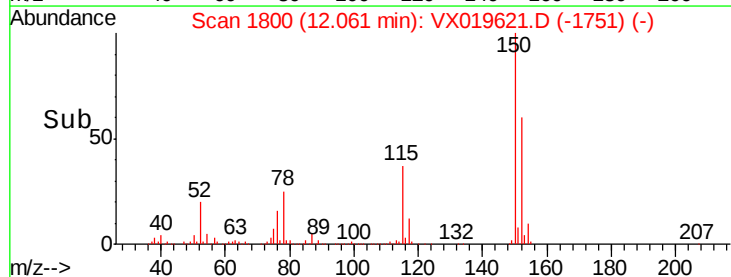
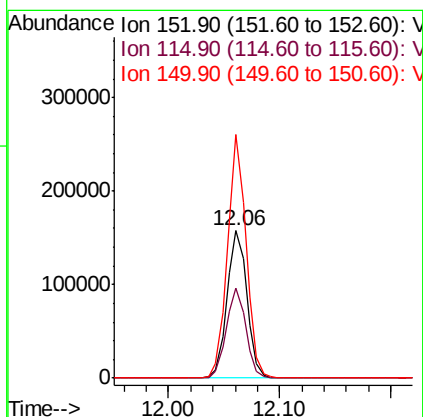
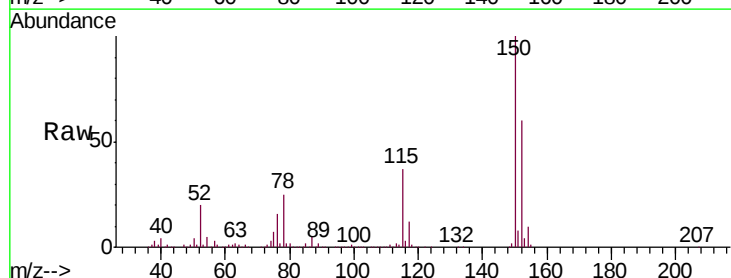
Instrument :
MSVOA_X
ClientSampleId :
VX1124WBL02

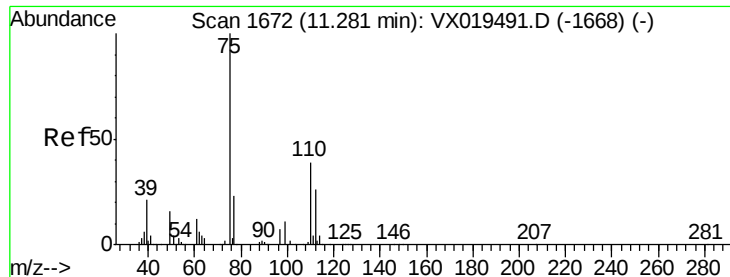
Tgt Ion:104 Resp: 375
Ion Ratio Lower Upper
104 100
78 46.9 39.5 59.3
103 62.9 43.6 65.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019621.D
Acq: 24 Nov 2020 22:07

Tgt Ion:152 Resp: 193942
Ion Ratio Lower Upper
152 100
115 59.9 41.8 125.4
150 155.0 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 24.256 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

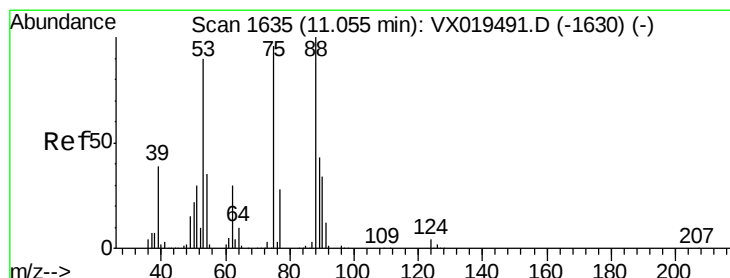
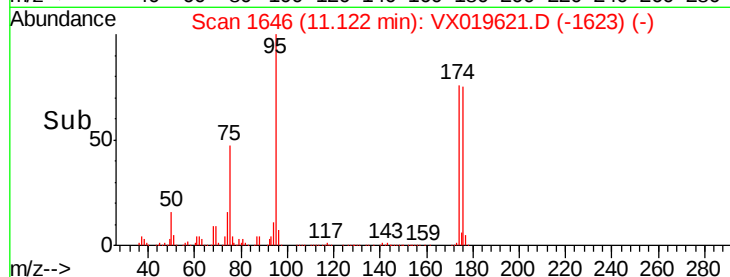
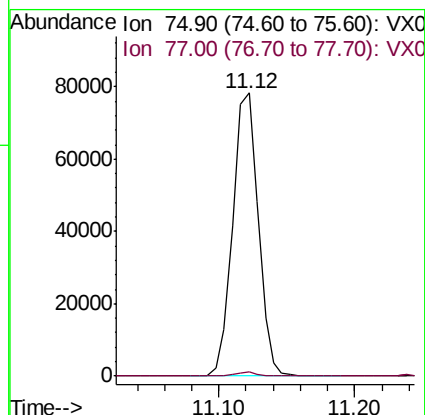
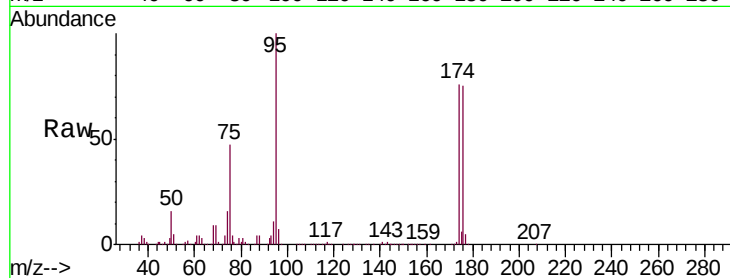
VX1124WBL02

Tgt Ion: 75 Resp: 102663

Ion Ratio Lower Upper

75 100

77 1.4 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.200 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

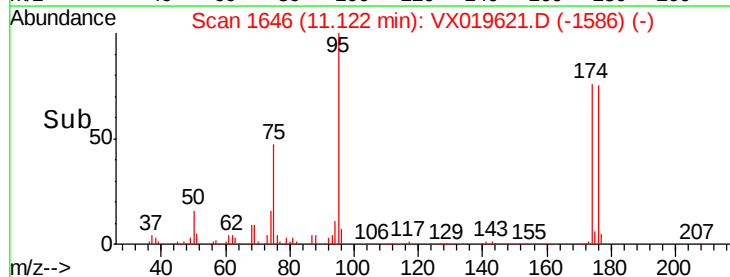
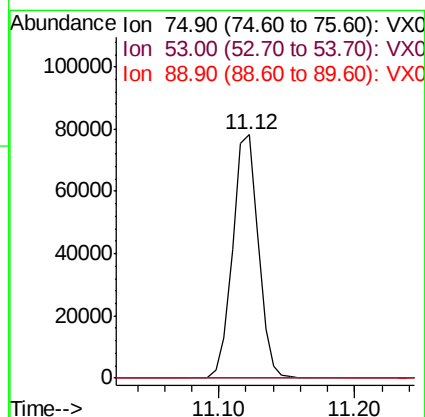
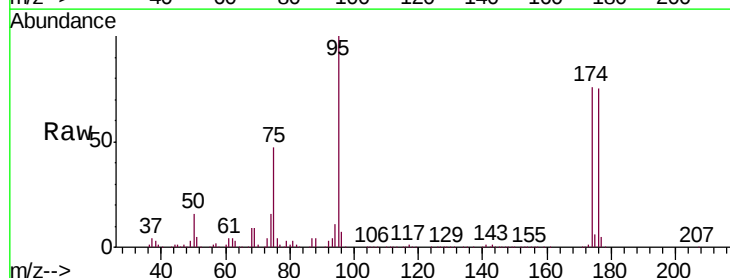
Tgt Ion: 75 Resp: 102663

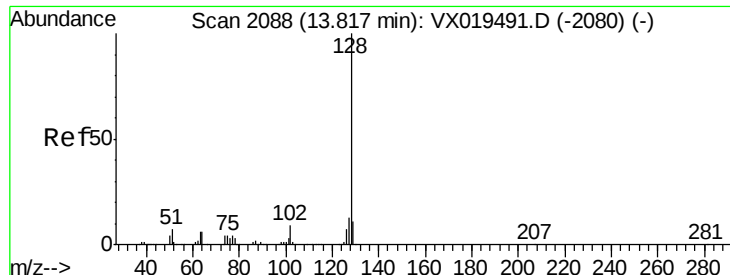
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.247 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019621.D

Acq: 24 Nov 2020 22:07

Instrument :

MSVOA_X

ClientSampleId :

VX1124WBL02

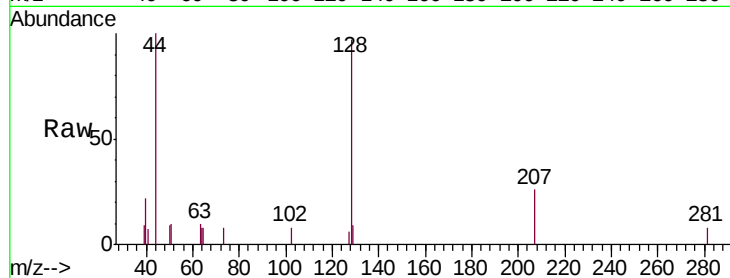
Tgt Ion:128 Resp: 1032

Ion Ratio Lower Upper

128 100

127 8.7 10.3 15.5#

129 2.4 8.7 13.1#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

