

Data File : VX019608.D
Acq On : 24 Nov 2020 16:18
Operator : JC/MD
Sample : L4889-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-788-790

Quant Time: Nov 25 04:03:16 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	298751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	493548	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	438748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	174996	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	187907	48.51	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.02%
35) Dibromofluoromethane	5.46	113	147378	47.57	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.14%
50) Toluene-d8	8.70	98	588896	48.92	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.84%
62) 4-Bromofluorobenzene	11.12	95	196435	45.35	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.70%

Target Compounds

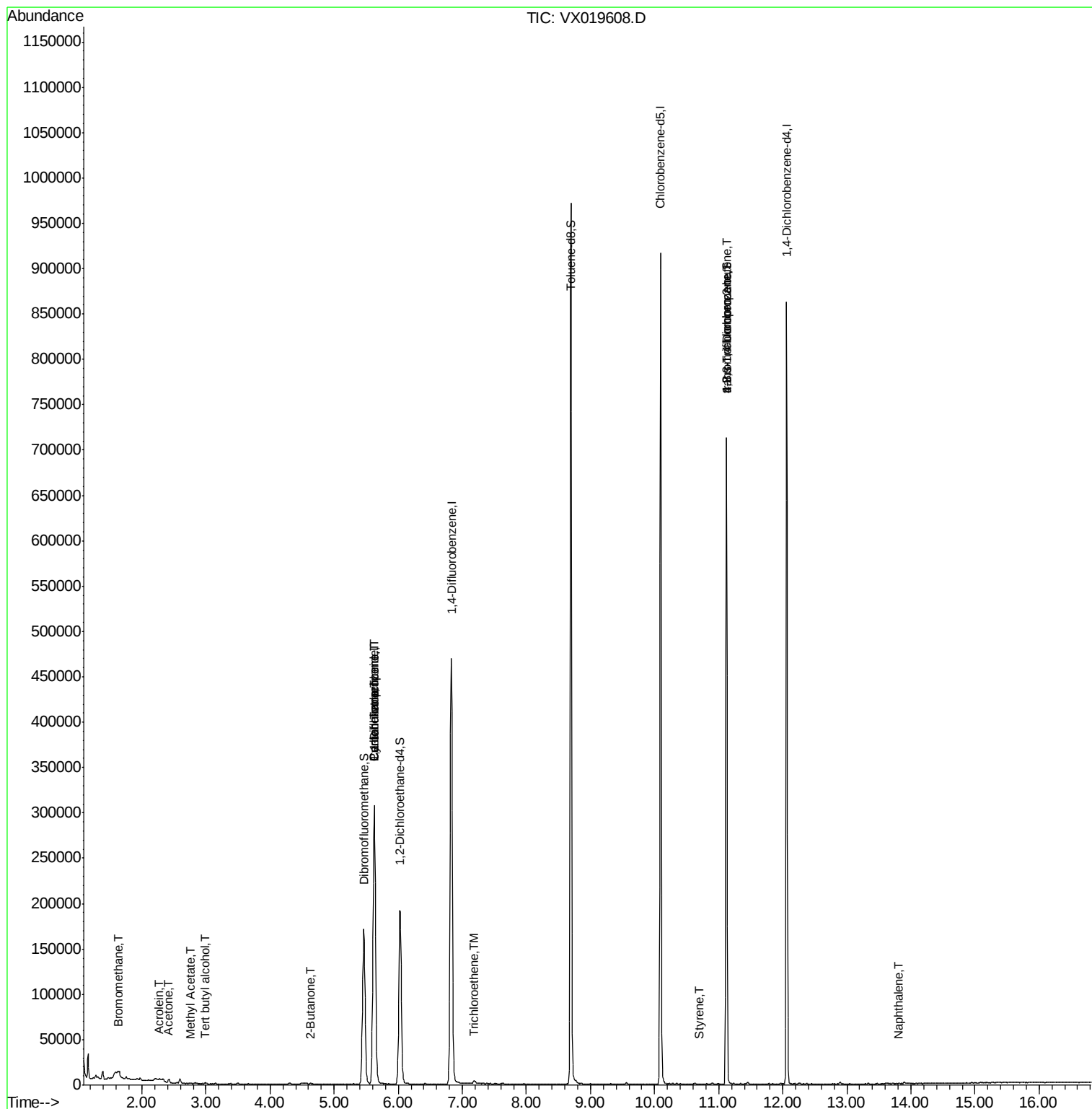
					Qvalue	
5) Bromomethane	1.62	94	278	0.205	ug/l	86
6) Chloroethane	1.67	64	317	Below	Cal	# 41
11) Tert butyl alcohol	3.00	59	998	1.361	ug/l	# 73
13) Acrolein	2.26	56	158	0.321	ug/l	# 34
16) Acetone	2.42	43	3737	2.495	ug/l	94
18) Methyl Acetate	2.75	43	431	0.750	ug/l	# 47
25) 2-Butanone	4.64	43	741	0.329	ug/l	95
31) Cyclohexane	5.62	56	5878	1.167	ug/l	# 1
36) 1,1-Dichloropropene	5.63	75	22536	4.871	ug/l	# 50
38) Carbon Tetrachloride	5.62	117	30168	6.736	ug/l	# 16
44) Trichloroethene	7.18	130	771	0.207	ug/l	90
70) Styrene	10.69	104	56	1.651	ug/l	# 53
76) 1,2,3-Trichloropropane	11.12	75	95349	24.967	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.12	75	95349	65.958	ug/l	# 12
95) Naphthalene	13.82	128	424	2.210	ug/l	# 69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

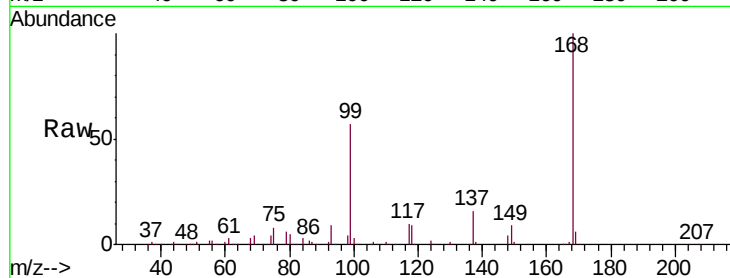
BP-VPB178-GW-788-790

Tgt Ion:168 Resp: 298751

Ion Ratio Lower Upper

168 100

99 56.8 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

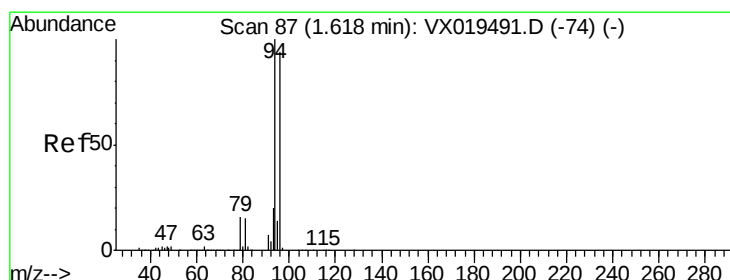
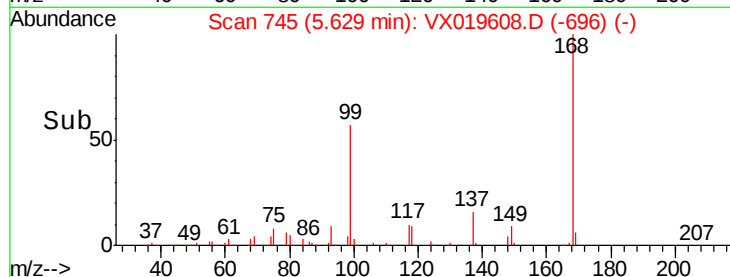
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.205 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.01 min

Lab File: VX019608.D

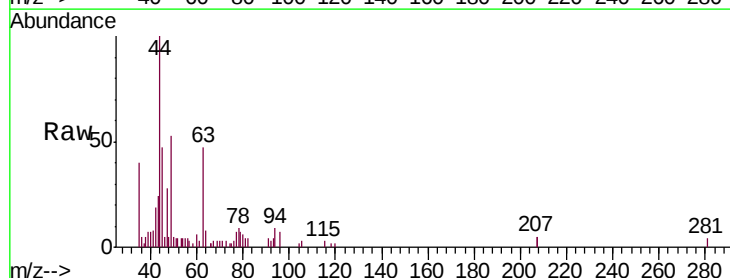
Acq: 24 Nov 2020 16:18

Tgt Ion: 94 Resp: 278

Ion Ratio Lower Upper

94 100

96 108.0 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

250

200

150

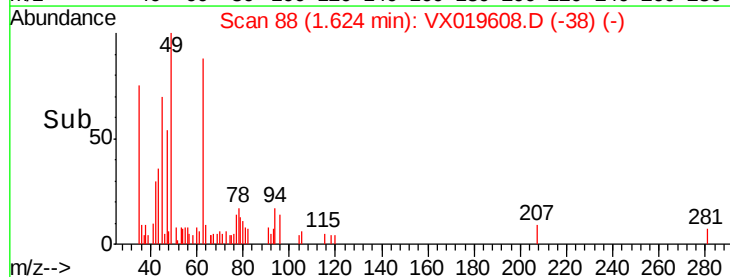
100

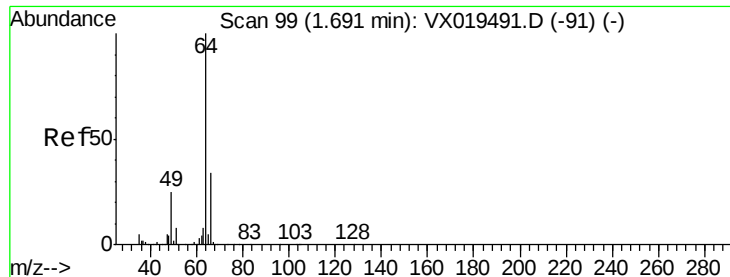
50

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 95

Delta R.T. -0.02 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

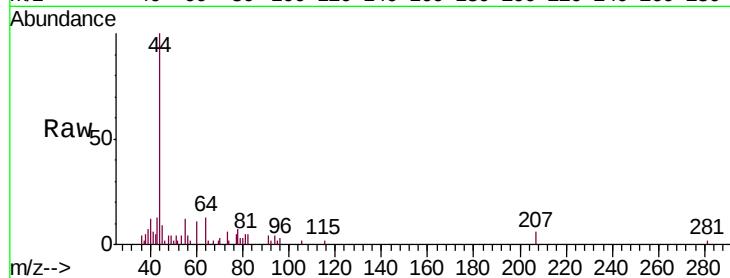
BP-VPB178-GW-788-790

Tgt Ion: 64 Resp: 317

Ion Ratio Lower Upper

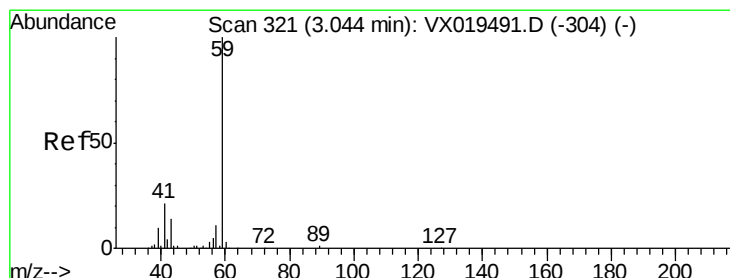
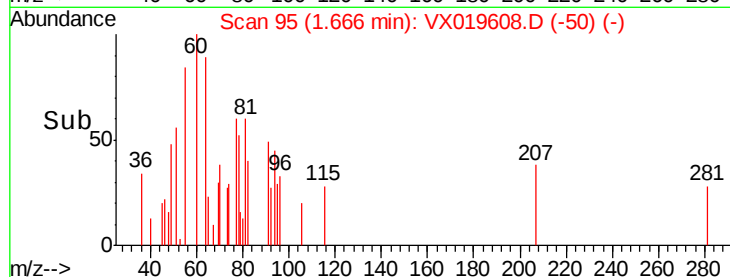
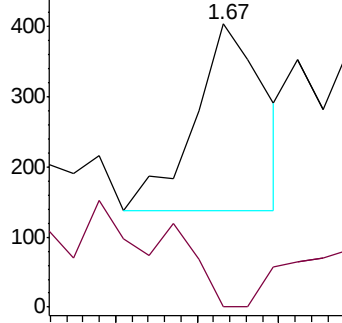
64 100

66 0.0 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 1.361 ug/l

RT: 3.00 min Scan# 313

Delta R.T. -0.05 min

Lab File: VX019608.D

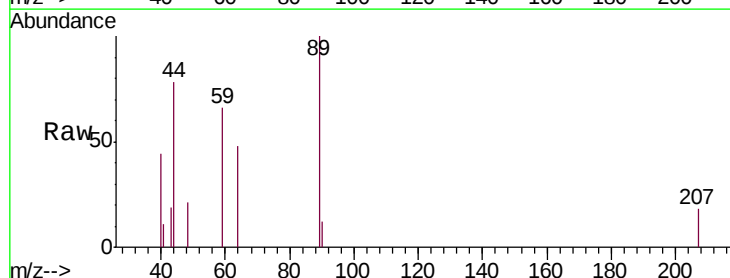
Acq: 24 Nov 2020 16:18

Tgt Ion: 59 Resp: 998

Ion Ratio Lower Upper

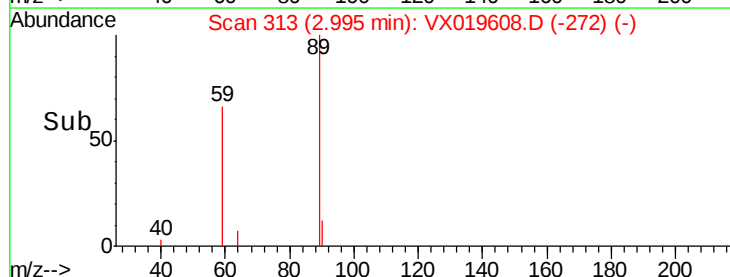
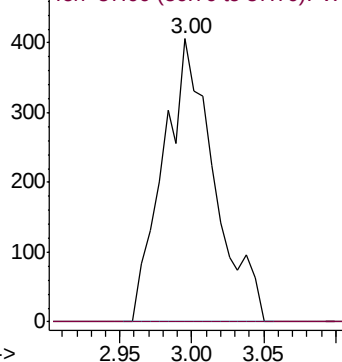
59 100

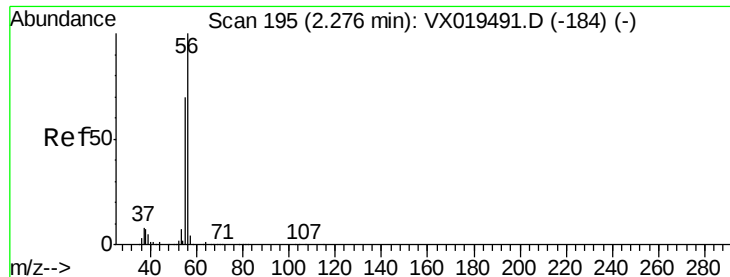
57 0.0 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.321 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

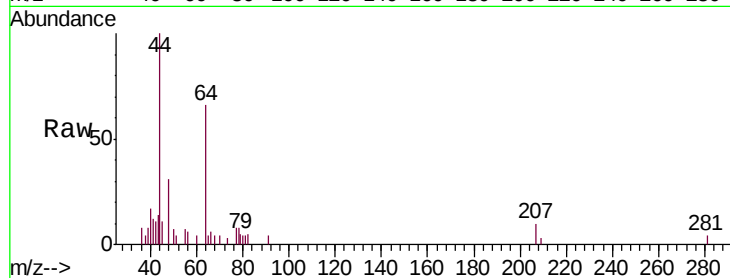
BP-VPB178-GW-788-790

Tgt Ion: 56 Resp: 158

Ion Ratio Lower Upper

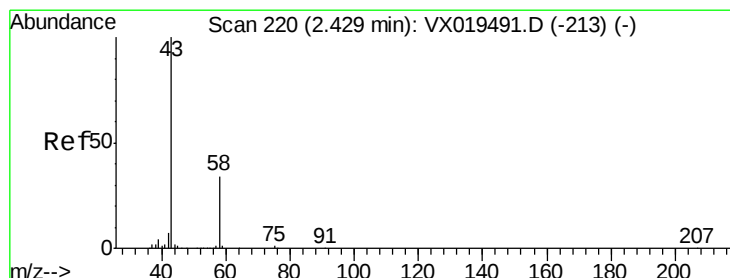
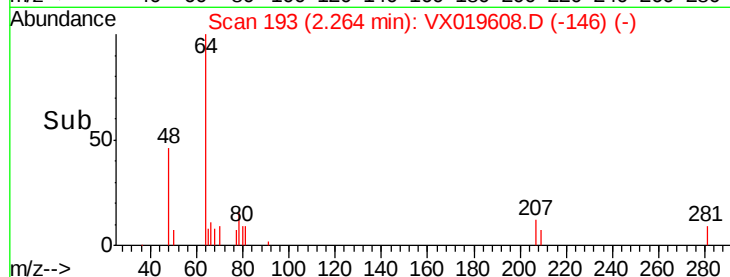
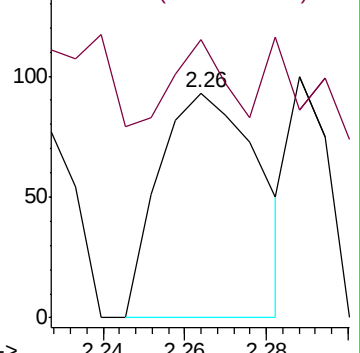
56 100

55 15.2 55.5 83.3#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.495 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019608.D

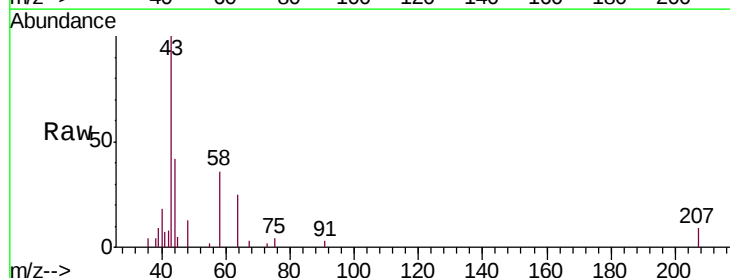
Acq: 24 Nov 2020 16:18

Tgt Ion: 43 Resp: 3737

Ion Ratio Lower Upper

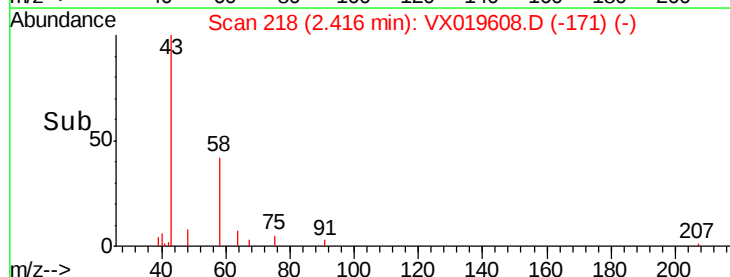
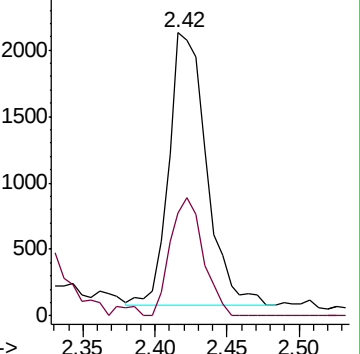
43 100

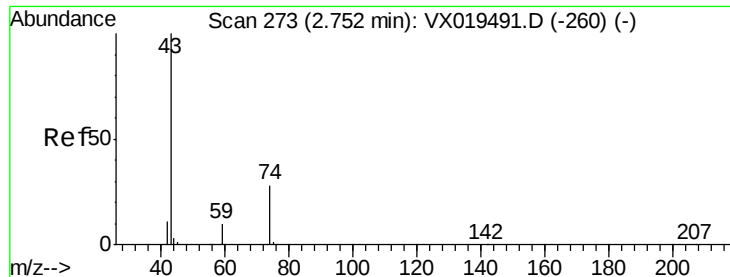
58 37.8 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

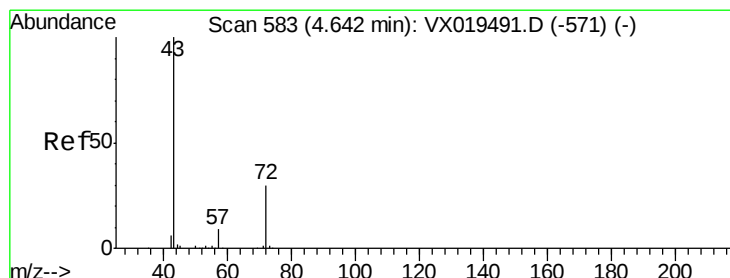
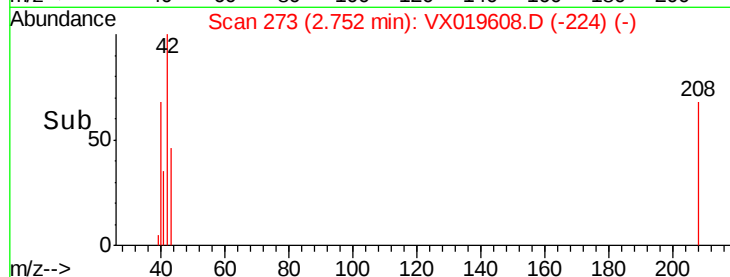
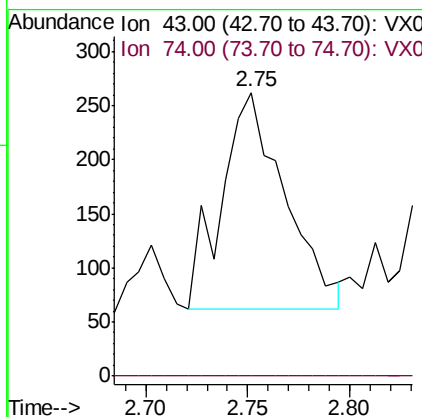
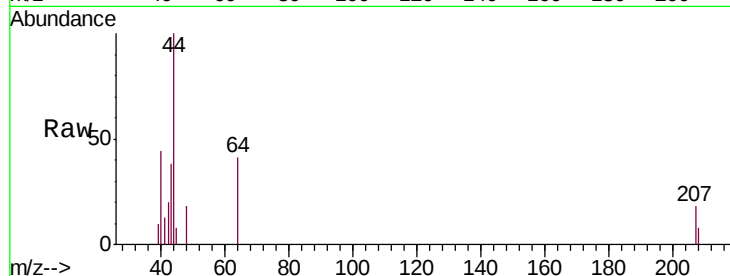




#18
Methyl Acetate
Concen: 0.750 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019608.D
Acq: 24 Nov 2020 16:18

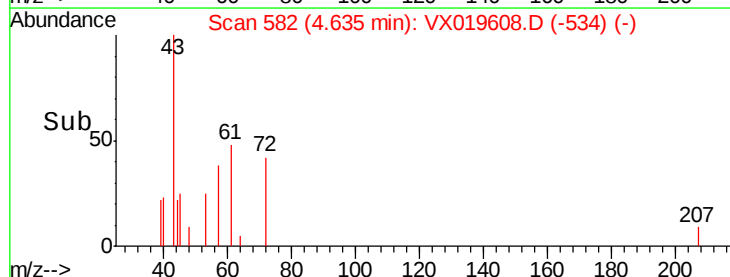
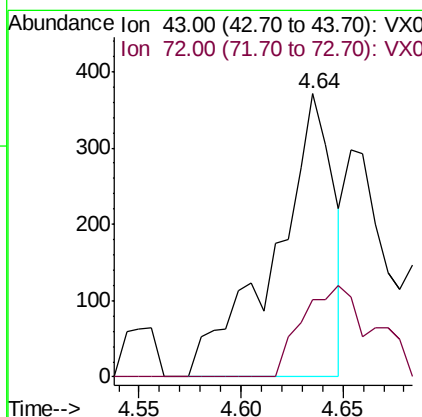
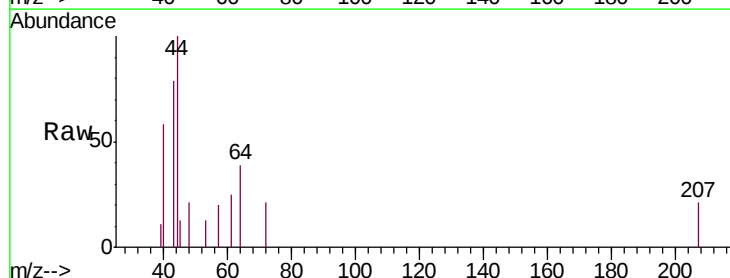
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-788-790

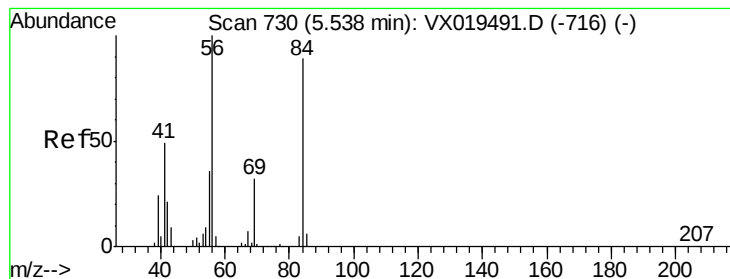
Tgt Ion: 43 Resp: 431
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#



#25
2-Butanone
Concen: 0.329 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX019608.D
Acq: 24 Nov 2020 16:18

Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
72 27.2 24.0 36.0





#31

Cyclohexane

Concen: 1.167 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.09 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-788-790

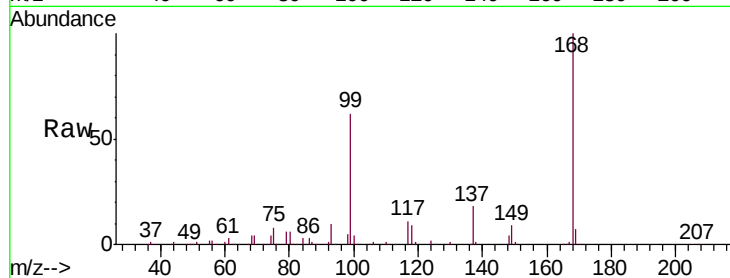
Tgt Ion: 56 Resp: 5878

Ion Ratio Lower Upper

56 100

69 185.7 25.5 38.3#

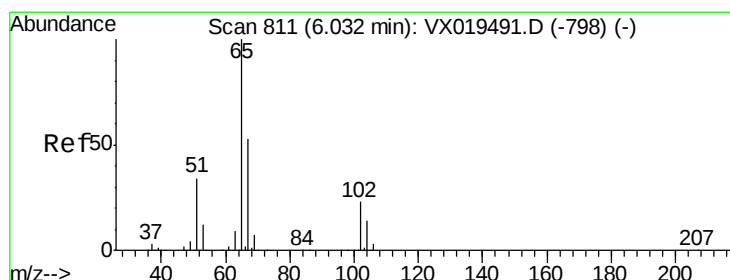
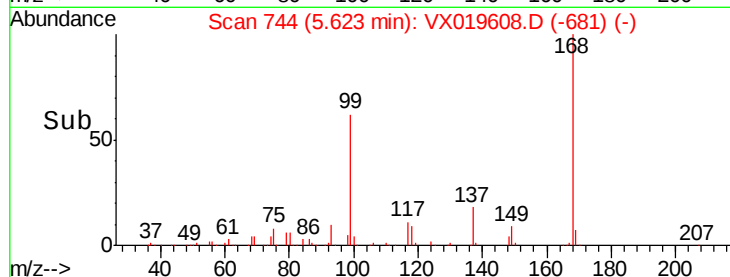
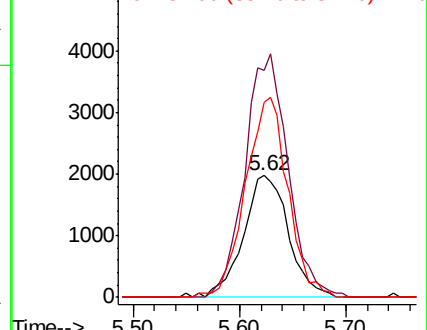
84 160.1 71.1 106.7#



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: 48.510 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019608.D

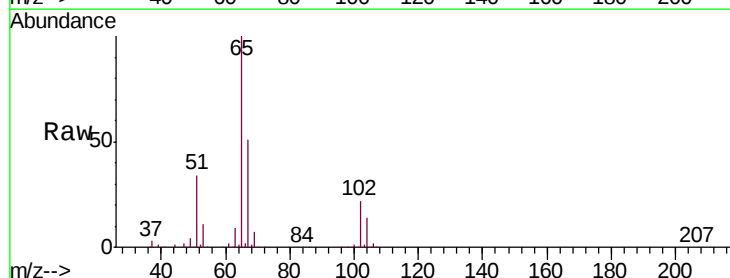
Acq: 24 Nov 2020 16:18

Tgt Ion: 65 Resp: 187907

Ion Ratio Lower Upper

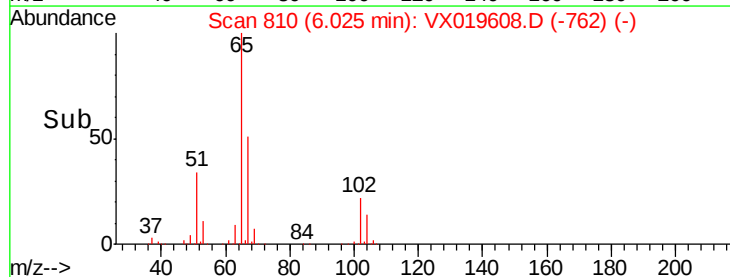
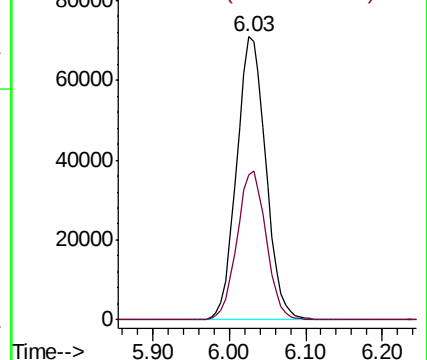
65 100

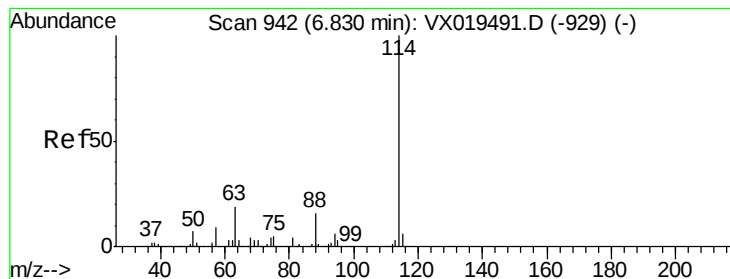
67 52.5 0.0 105.0



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: VX019608.D

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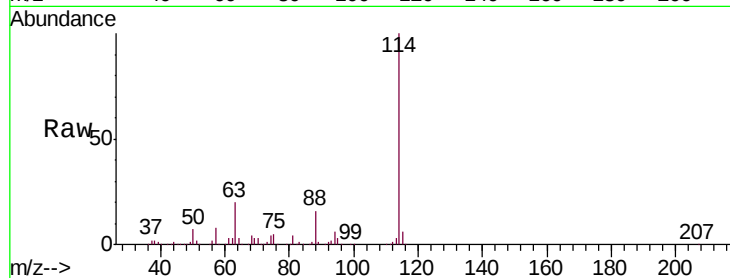
Tgt Ion:114 Resp: 493548

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.8

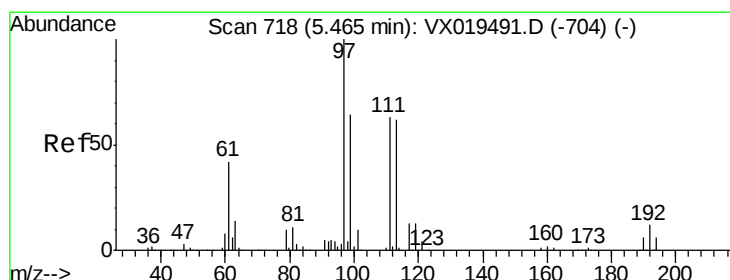
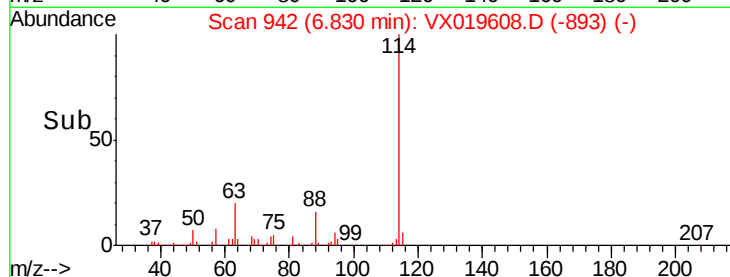
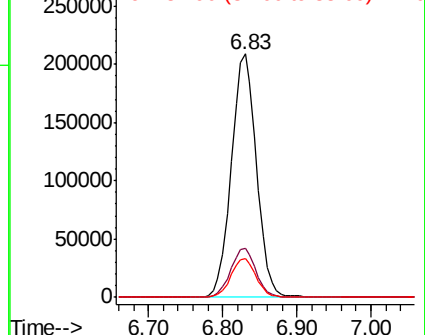
88 16.2 0.0 31.6



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: 47.572 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

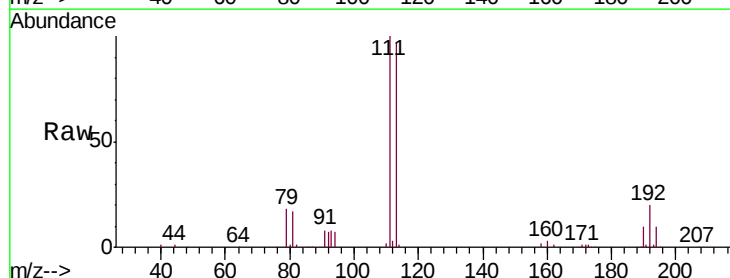
Tgt Ion:113 Resp: 147378

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

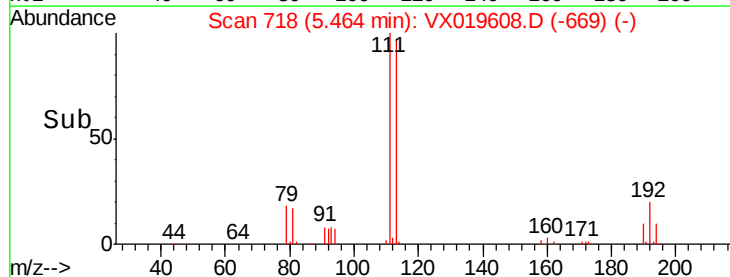
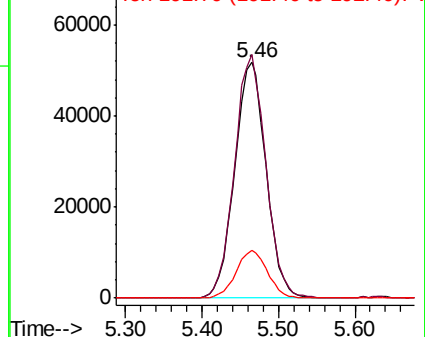
192 20.1 16.2 24.2

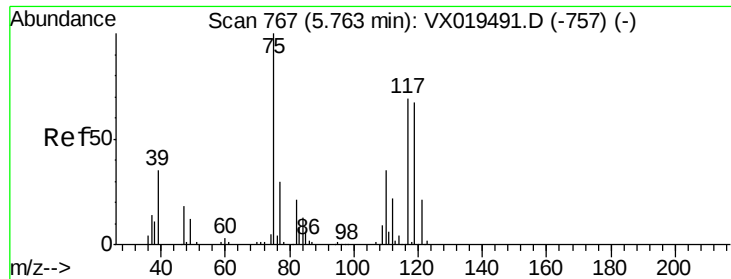


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

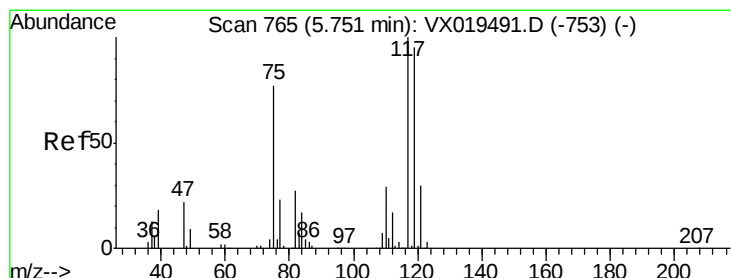
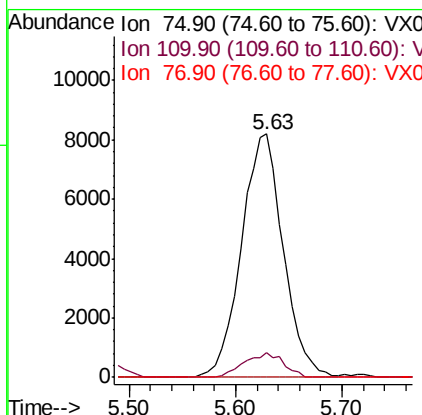
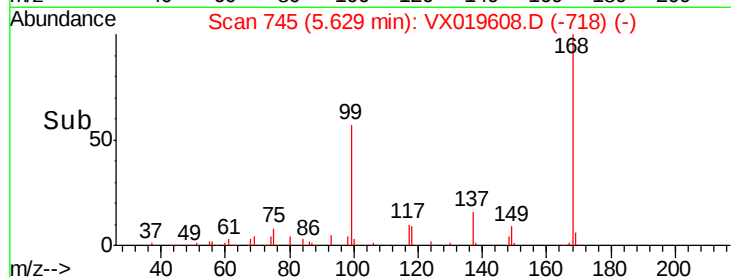
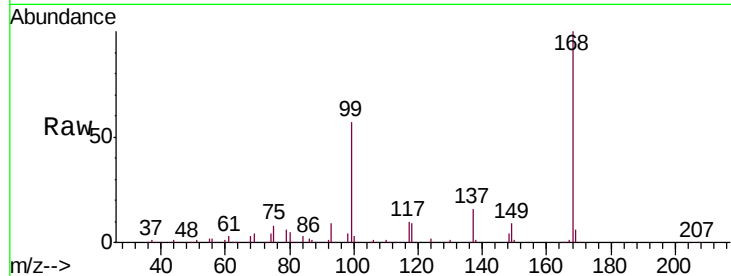




#36
 1,1-Dichloropropene
 Concen: 4.871 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019608.D
 Acq: 24 Nov 2020 16:18

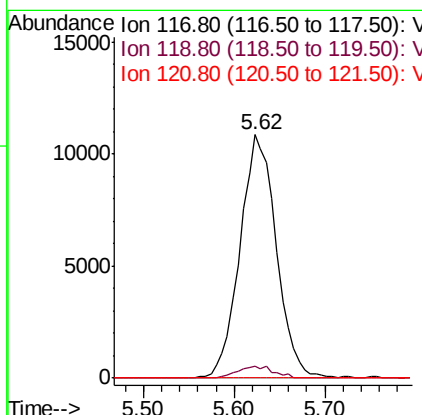
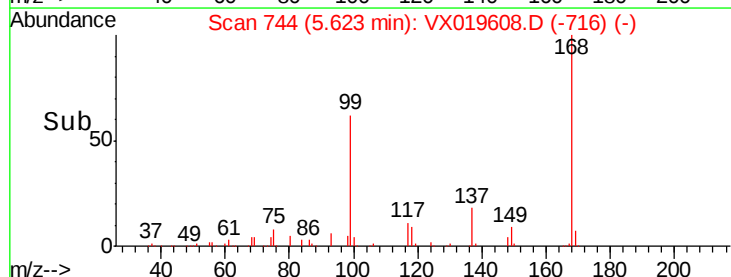
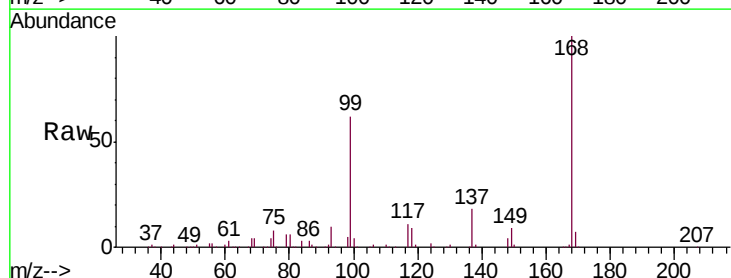
Instrument :
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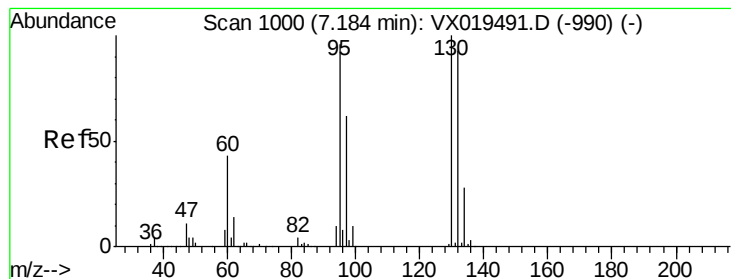
Tgt Ion: 75 Resp: 22536
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.3#
 77 0.0 24.2 36.4#



#38
 Carbon Tetrachloride
 Concen: 6.736 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019608.D
 Acq: 24 Nov 2020 16:18

Tgt Ion: 117 Resp: 30168
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.9 113.9#
 121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 0.207 ug/l

RT: 7.18 min Scan# 999

Delta R.T. -0.01 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

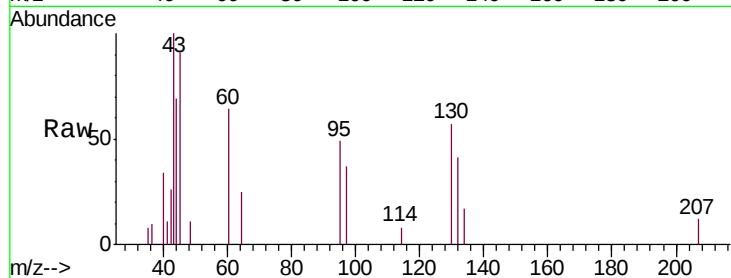
BP-VPB178-GW-788-790

Tgt Ion:130 Resp: 771

Ion Ratio Lower Upper

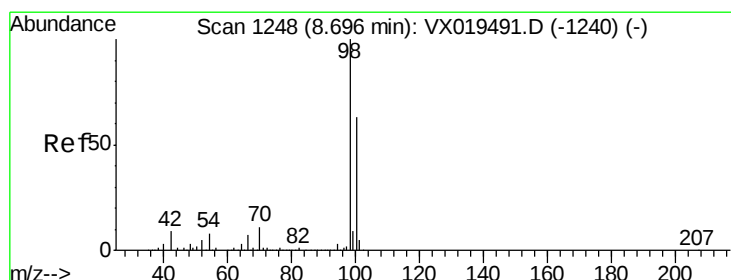
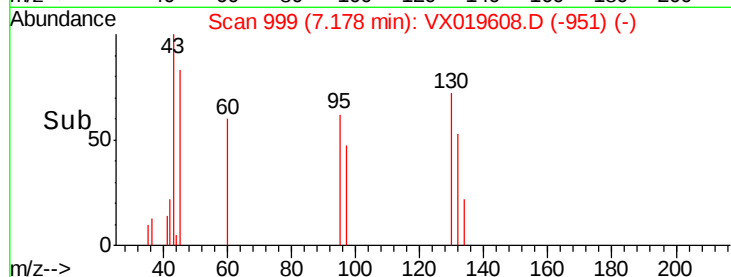
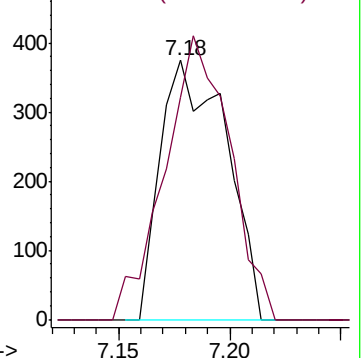
130 100

95 85.9 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 48.918 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019608.D

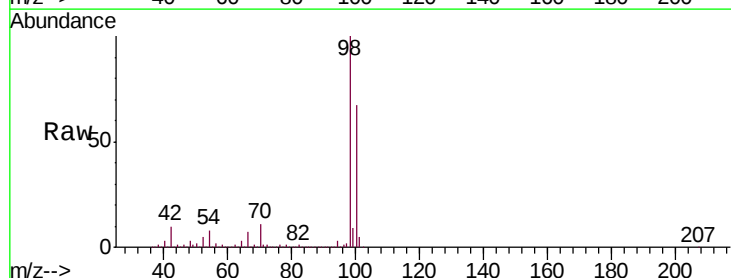
Acq: 24 Nov 2020 16:18

Tgt Ion: 98 Resp: 588896

Ion Ratio Lower Upper

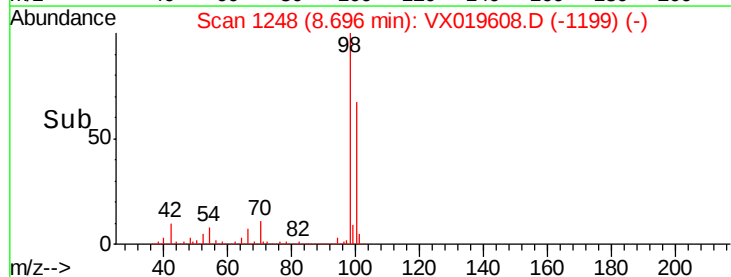
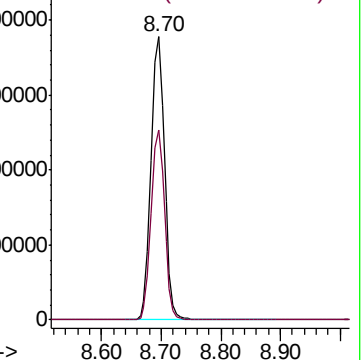
98 100

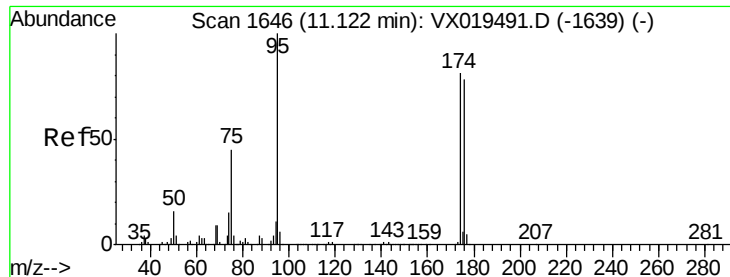
100 67.0 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.352 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-788-790

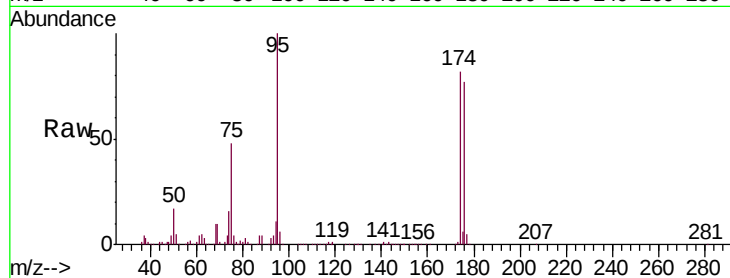
Tgt Ion: 95 Resp: 196435

Ion Ratio Lower Upper

95 100

174 78.0 0.0 156.2

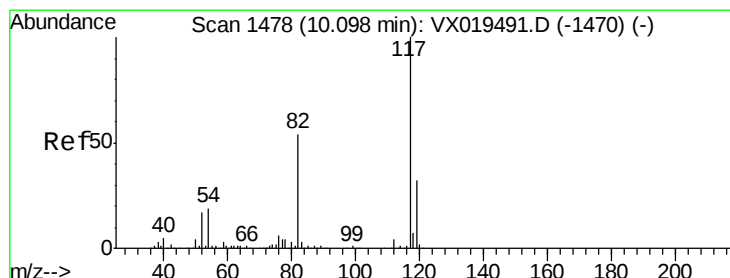
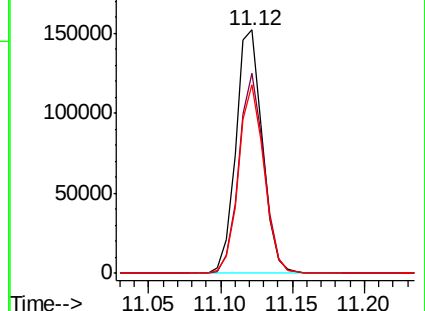
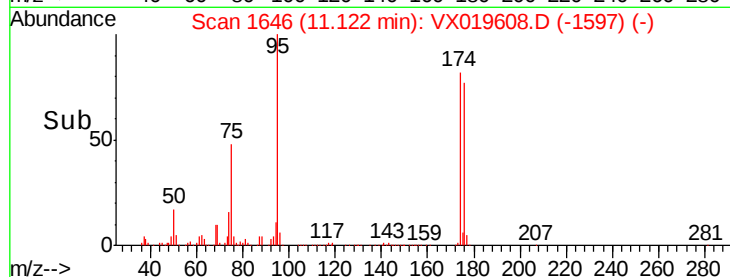
176 74.1 0.0 151.4



Abundance Ion 94.90 (94.60 to 95.60): VX019608.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX019608.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX019608.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

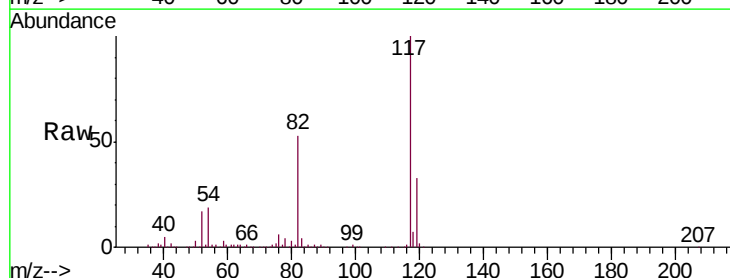
Tgt Ion: 117 Resp: 438748

Ion Ratio Lower Upper

117 100

82 53.4 43.0 64.4

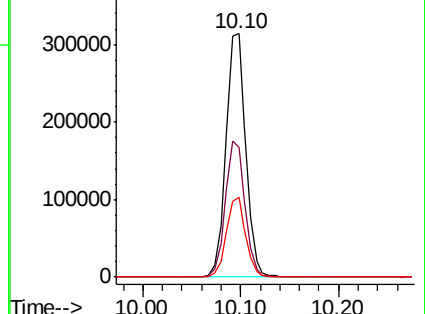
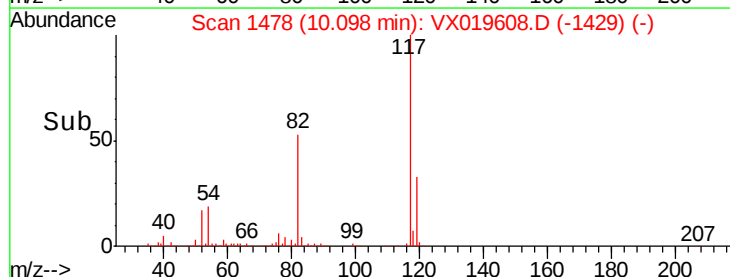
119 32.6 25.6 38.4

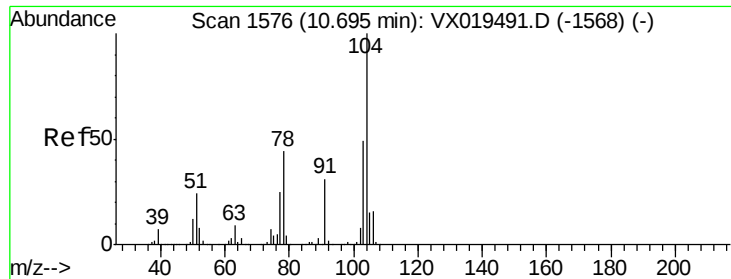


Abundance Ion 116.90 (116.60 to 117.60): VX019608.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX019608.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX019608.D (-1429) (-)

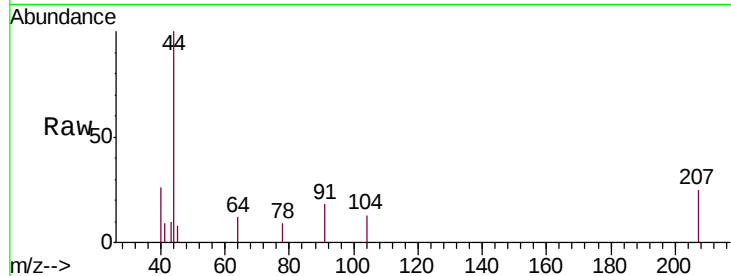




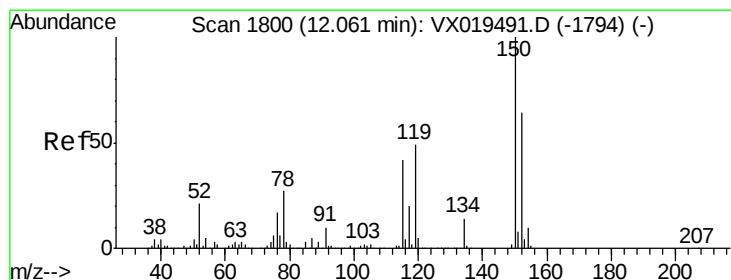
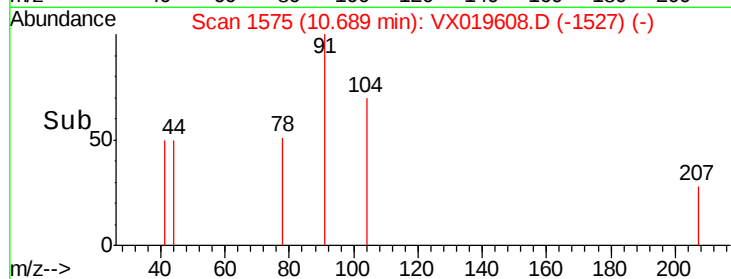
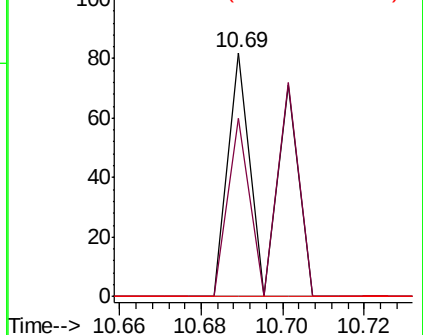
#70
Styrene
Concen: 1.651 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX019608.D
Acq: 24 Nov 2020 16:18

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-788-790

Tgt Ion:104 Resp: 56
Ion Ratio Lower Upper
104 100
78 39.3 39.5 59.3#
103 0.0 43.6 65.4#

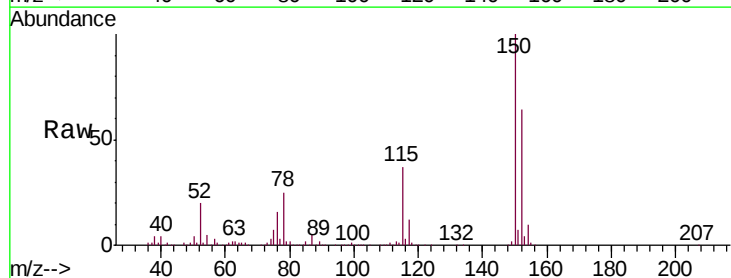


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V

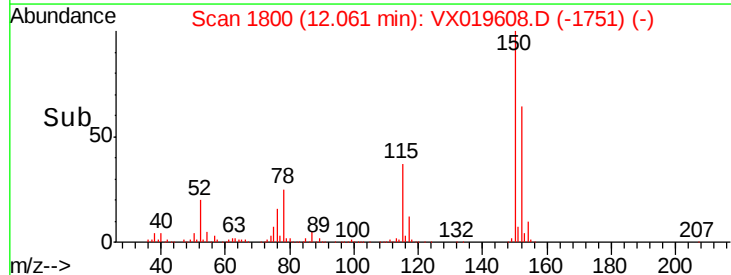
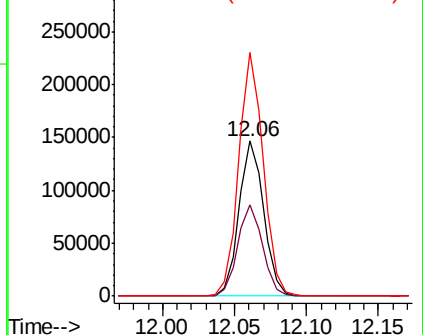


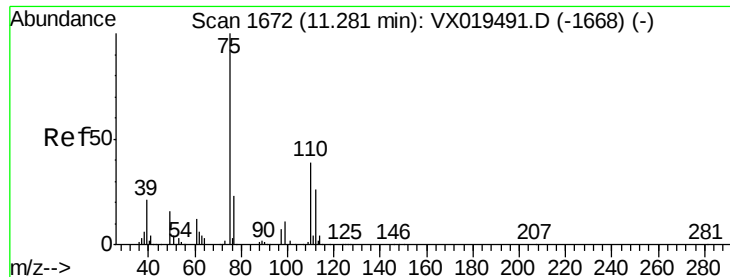
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019608.D
Acq: 24 Nov 2020 16:18

Tgt Ion:152 Resp: 174996
Ion Ratio Lower Upper
152 100
115 59.3 41.8 125.4
150 155.9 0.0 348.2



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: 24.967 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

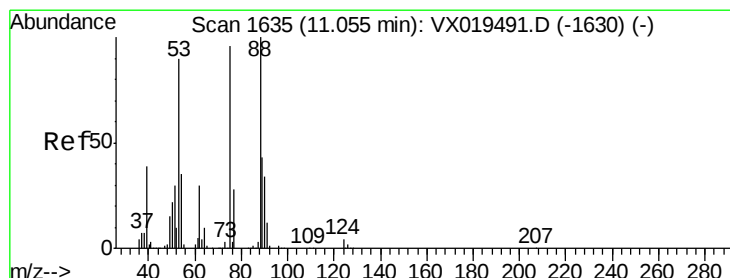
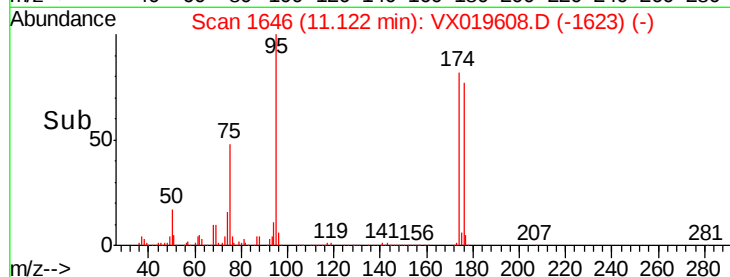
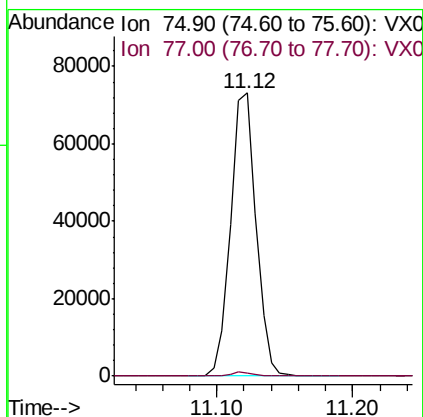
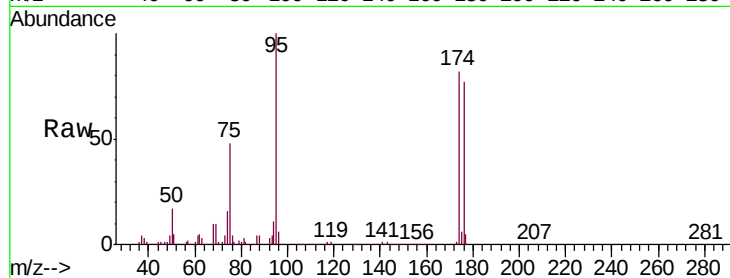
BP-VPB178-GW-788-790

Tgt Ion: 75 Resp: 95349

Ion Ratio Lower Upper

75 100

77 1.3 20.0 60.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.958 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019608.D

Acq: 24 Nov 2020 16:18

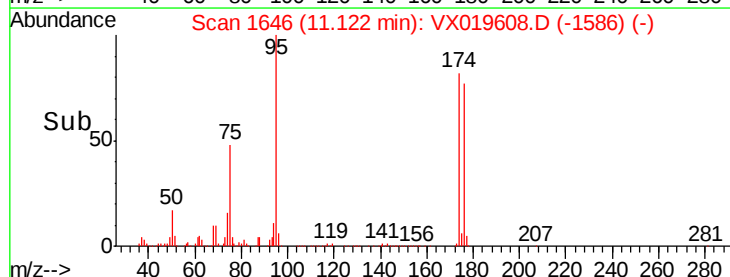
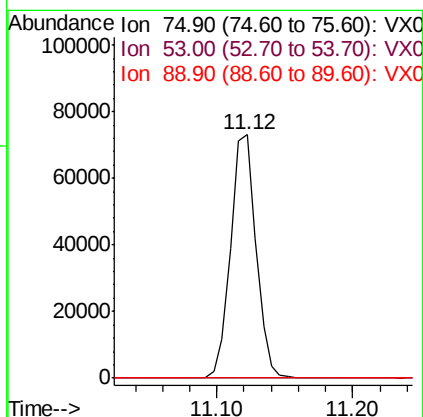
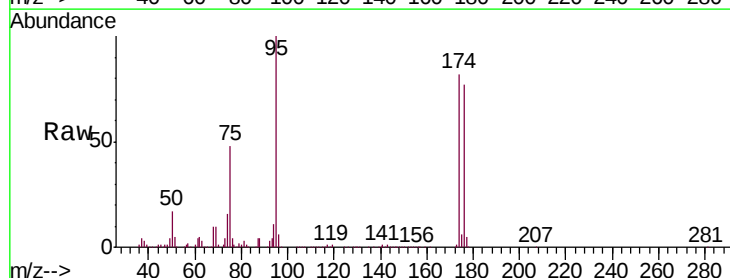
Tgt Ion: 75 Resp: 95349

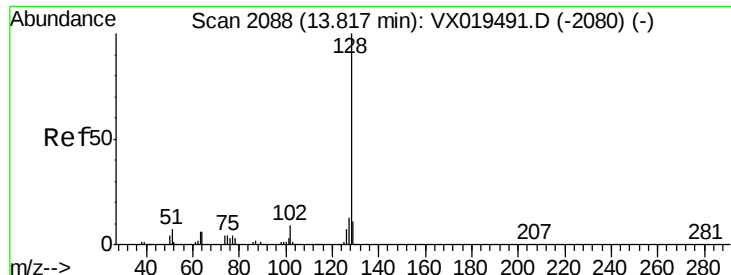
Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

89 0.0 37.3 55.9#





#95

Naphthalene

Concen: 2.210 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX019608.D

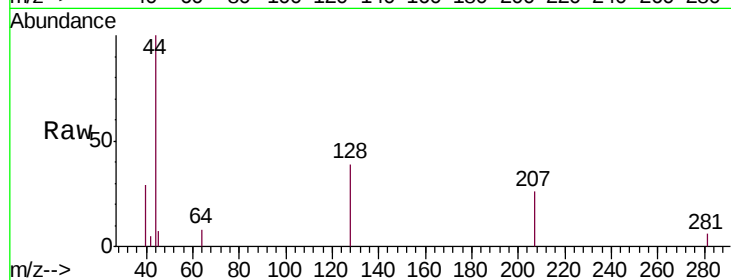
Acq: 24 Nov 2020 16:18

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-788-790



Tgt Ion:	128	Resp:	424
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.7	13.1#

