

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018307.D
 Acq On : 09 Sep 2020 04:32
 Operator : JC/SP
 Sample : L3926-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-1

Quant Time: Sep 09 04:56:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	459004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	718093	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	717223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	368030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	324066	50.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.72%	
35) Dibromofluoromethane	5.46	113	252555	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
50) Toluene-d8	8.70	98	919624	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.12	95	343420	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	

Target Compounds

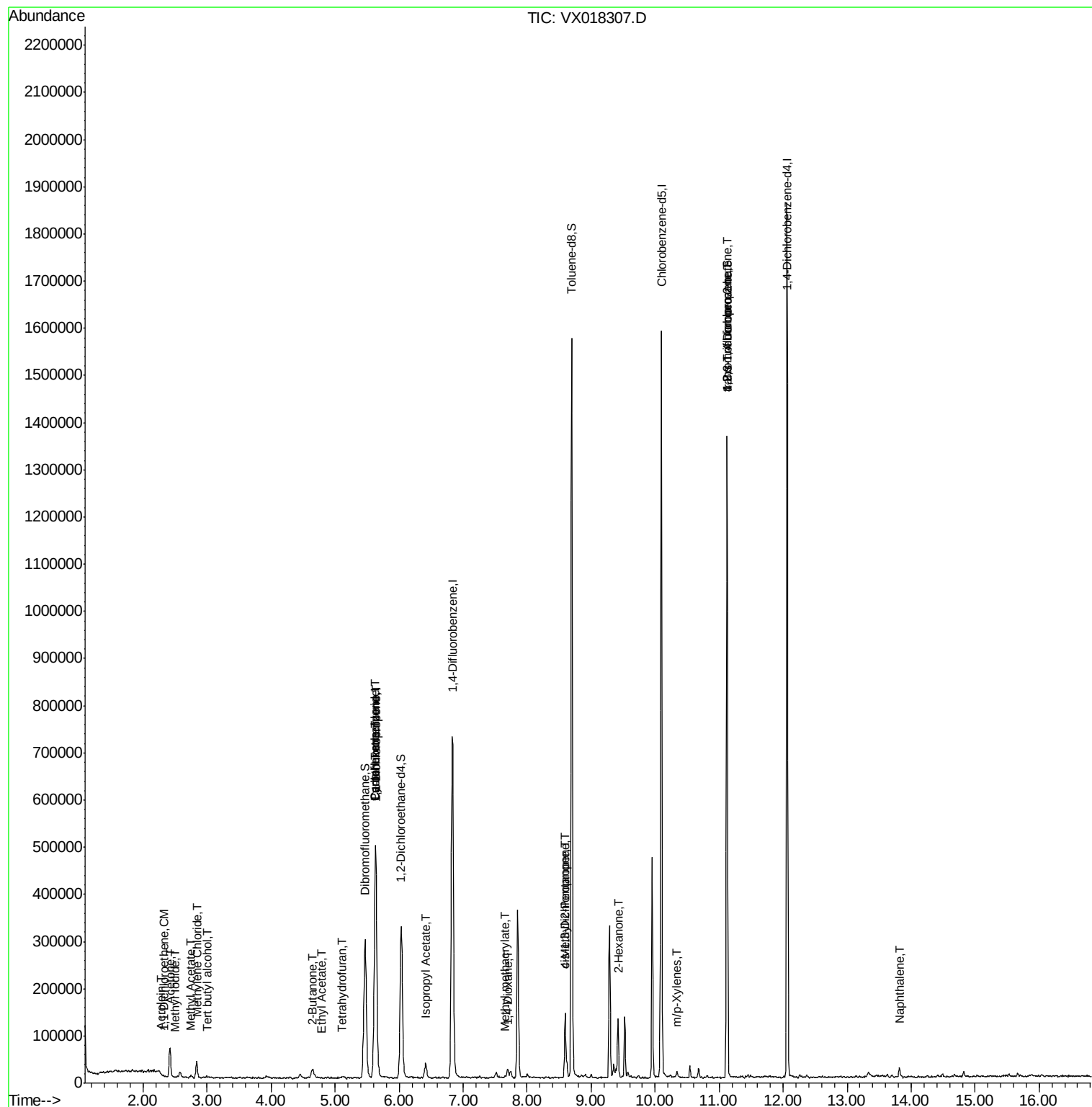
						Qvalue
10) Methyl Iodide	2.50	142	409	5.366	ug/l #	87
11) Tert butyl alcohol	3.01	59	1997	1.612	ug/l	98
12) 1,1-Dichloroethene	2.33	96	952	0.212	ug/l #	1
13) Acrolein	2.28	56	238	0.463	ug/l #	27
16) Acetone	2.42	43	67832	27.319	ug/l	89
18) Methyl Acetate	2.75	43	5215	0.870	ug/l #	61
20) Methylene Chloride	2.84	84	15697	1.970	ug/l	96
25) 2-Butanone	4.65	43	9121	2.235	ug/l #	87
29) Tetrahydrofuran	5.10	42	2604	1.002	ug/l #	80
31) Cyclohexane	5.64	56	10477	1.374	ug/l #	23
36) 1,1-Dichloropropene	5.64	75	35235	5.320	ug/l #	42
37) Ethyl Acetate	4.78	43	1878	0.244	ug/l #	79
38) Carbon Tetrachloride	5.63	117	49414	6.620	ug/l #	17
43) Isopropyl Acetate	6.42	43	42539	3.424	ug/l	99
48) Methyl methacrylate	7.65	41	4105	0.664	ug/l #	28
49) 1,4-Dioxane	7.70	88	48	0.428	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	56655	7.382	ug/l #	37
54) cis-1,3-Dichloropropene	8.59	75	22770	2.633	ug/l #	64
59) 2-Hexanone	9.42	43	84416	14.465	ug/l #	26
68) m/p-Xylenes	10.35	106	3112	0.342	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	175772	21.470	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	175772	57.986	ug/l #	12
95) Naphthalene	13.82	128	12008	0.493	ug/l	96

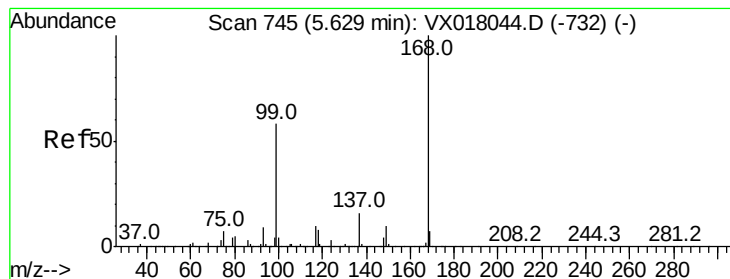
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090820\
Data File : VX018307.D
Acq On : 09 Sep 2020 04:32
Operator : JC/SP
Sample : L3926-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 49 Sample Multiplier: 1

Instrument :
MSVOA_X
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Quant Time: Sep 09 04:56:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampleId :

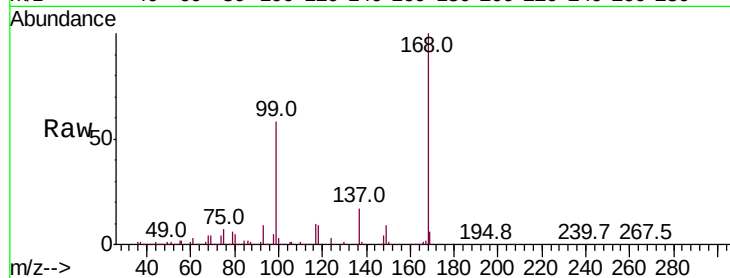
BR-1

Tot Ion:168 Resp: 459004

Ion Ratio Lower Upper

168 100

99 57.9 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

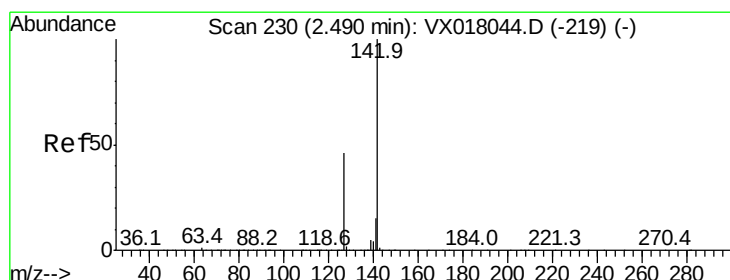
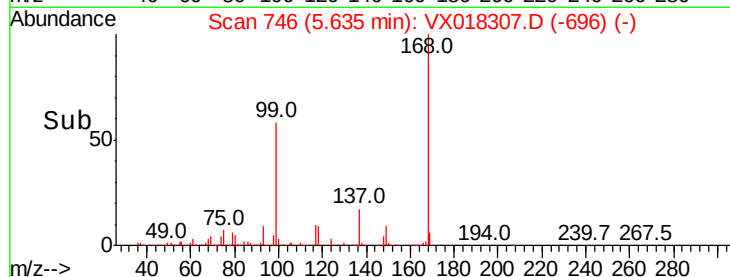
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.366 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

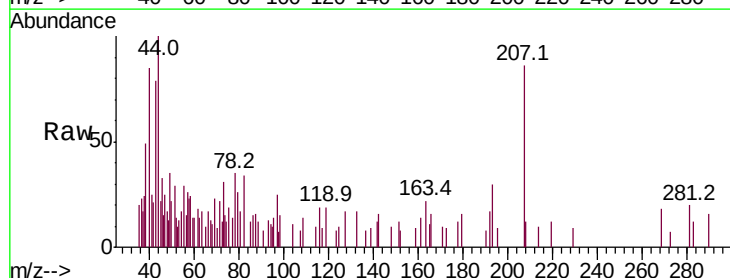
Tgt Ion:142 Resp: 409

Ion Ratio Lower Upper

142 100

127 42.3 37.0 55.6

141 0.0 11.5 17.3#



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

250

200

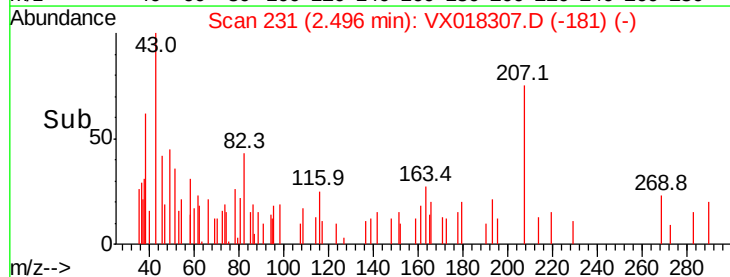
150

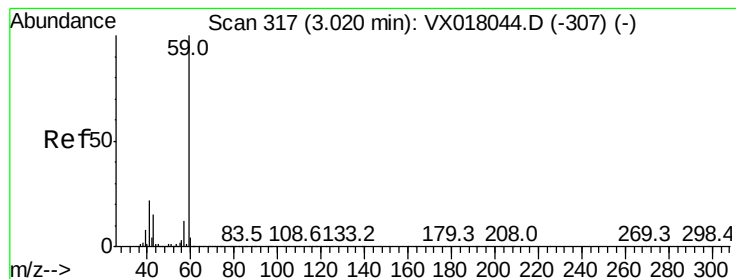
100

50

0

Time-->



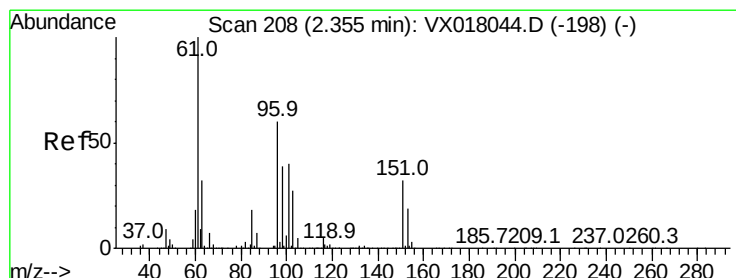
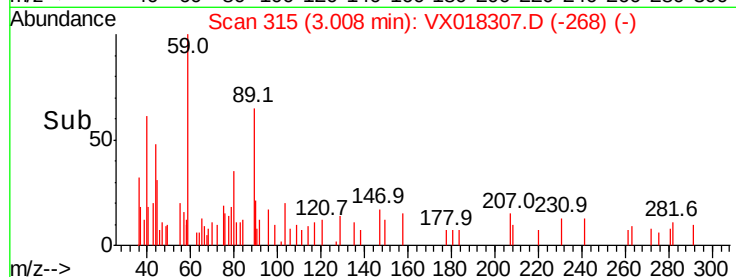
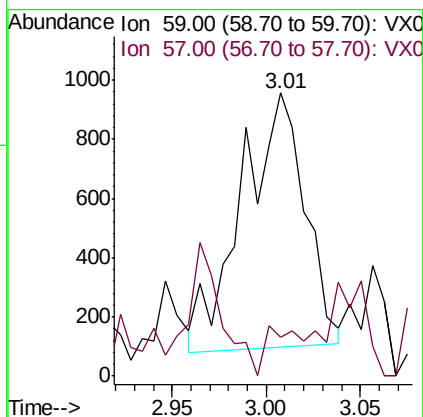
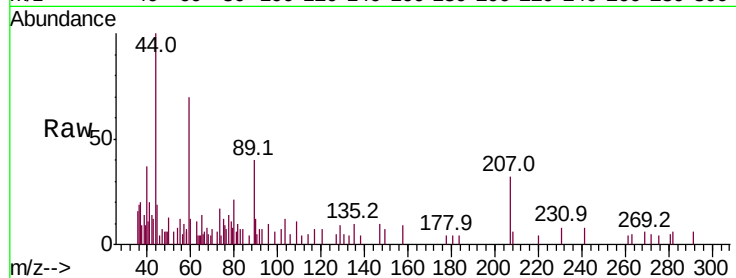


#11

Tert butyl alcohol
 Concen: 1.612 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX018307.D
 Acq: 09 Sep 2020 04:32

Instrument :
 MSVOA_X
 ClientSampled :
 BR-1

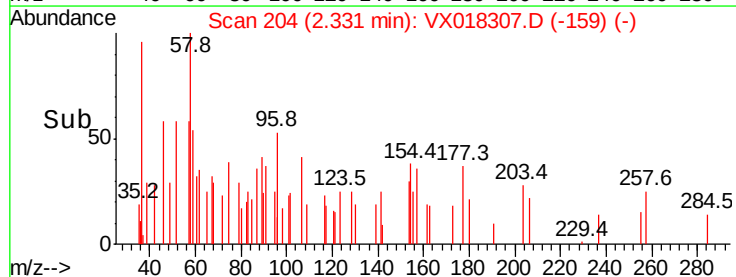
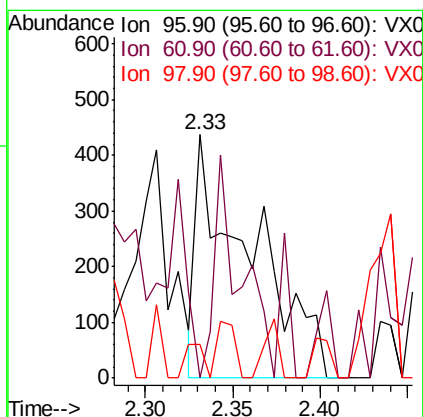
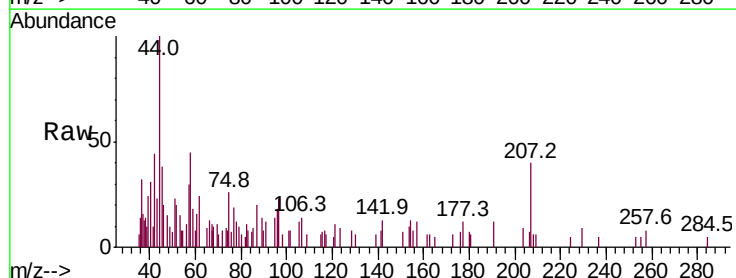
Tot Ion: 59 Resp: 1997
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.9 13.3

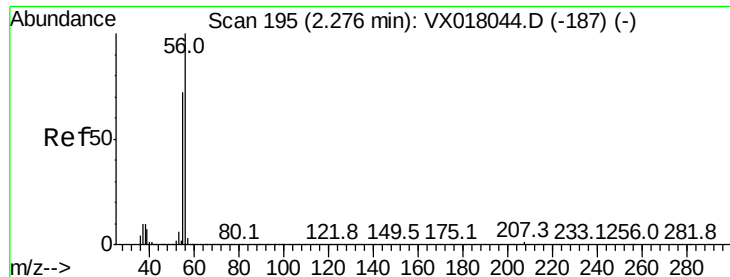


#12

1,1-Dichloroethene
 Concen: 0.212 ug/l
 RT: 2.33 min Scan# 204
 Delta R.T. -0.02 min
 Lab File: VX018307.D
 Acq: 09 Sep 2020 04:32

Tgt Ion: 96 Resp: 952
 Ion Ratio Lower Upper
 96 100
 61 0.0 133.0 199.4#
 98 16.5 51.6 77.4#





#13

Acrolein

Concen: 0.463 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampled :

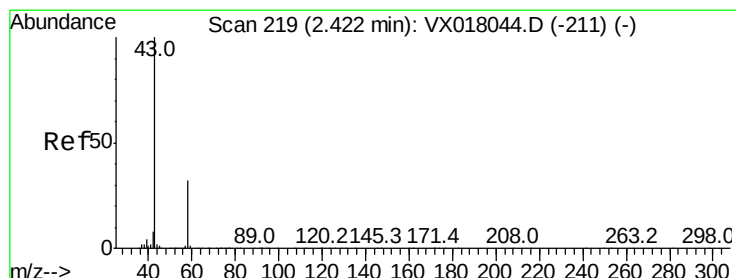
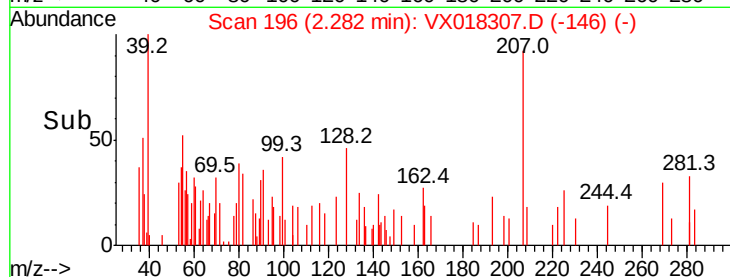
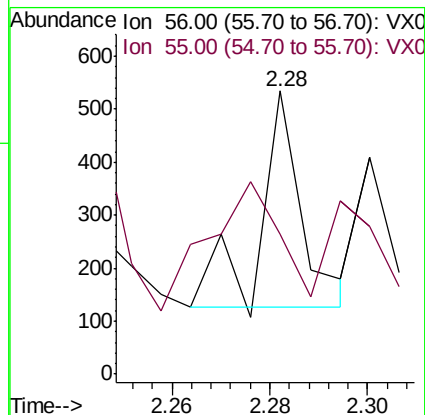
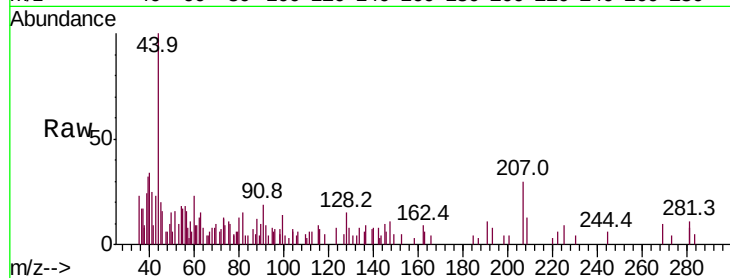
BR-1

Tot Ion: 56 Resp: 238

Ion Ratio Lower Upper

56 100

55 131.5 57.0 85.6#



#16

Acetone

Concen: 27.319 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018307.D

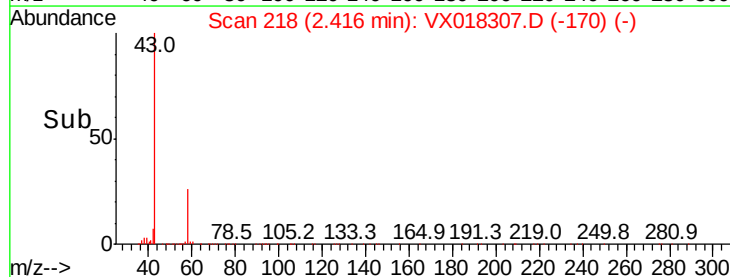
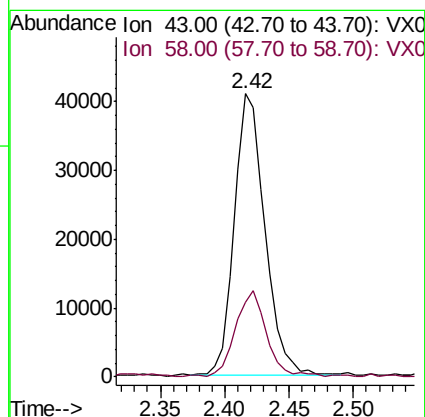
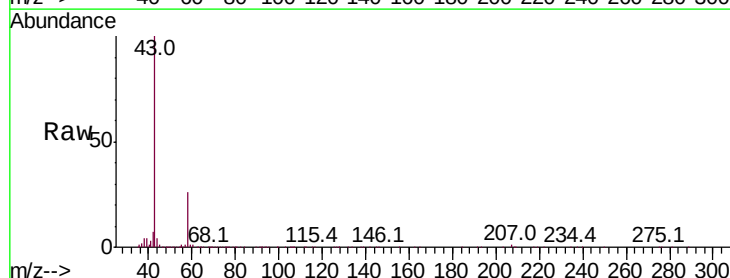
Acq: 09 Sep 2020 04:32

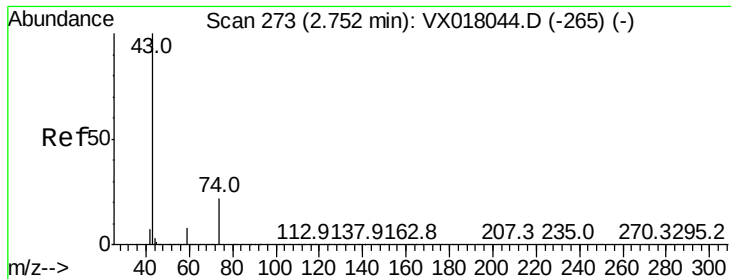
Tgt Ion: 43 Resp: 67832

Ion Ratio Lower Upper

43 100

58 26.0 25.5 38.3

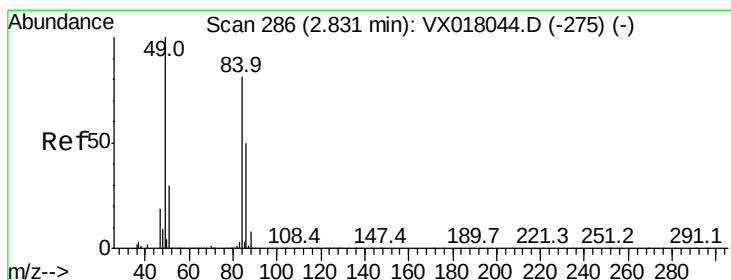
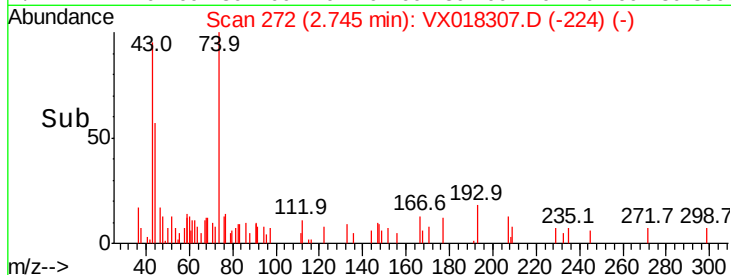
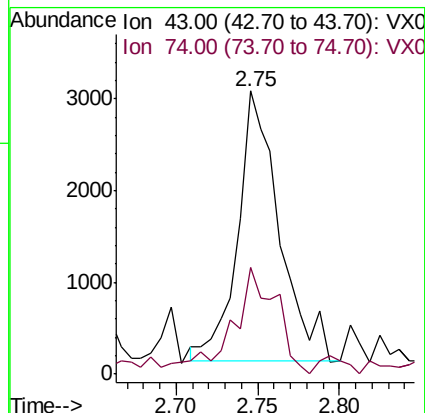
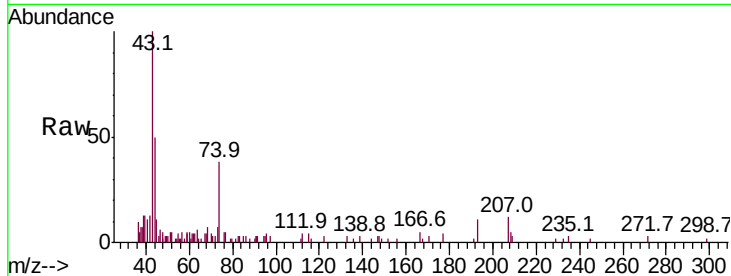




#18
Methyl Acetate
Concen: 0.870 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX018307.D
Acq: 09 Sep 2020 04:32

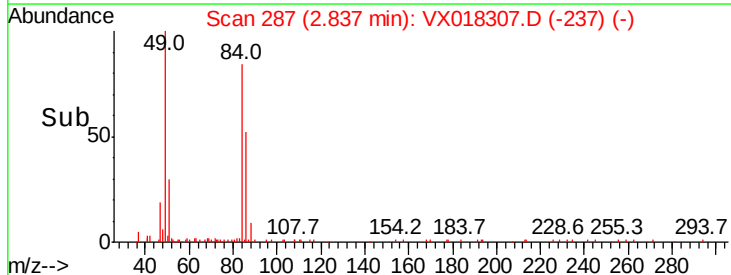
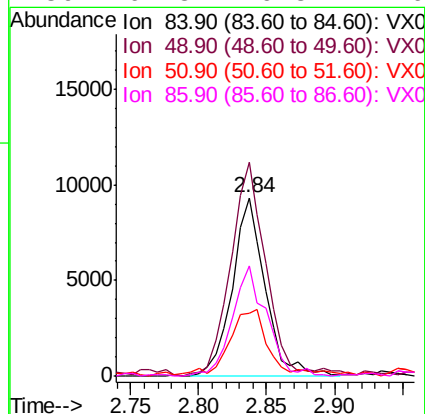
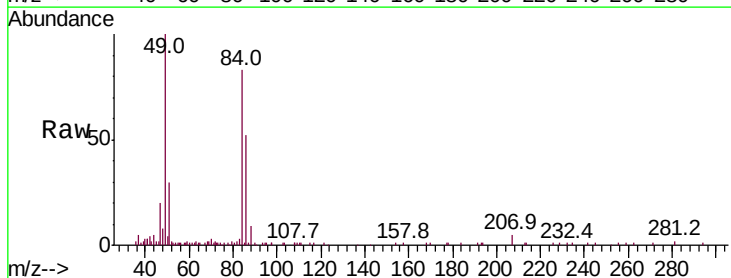
Instrument :
MSVOA_X
ClientSampled :
BR-1

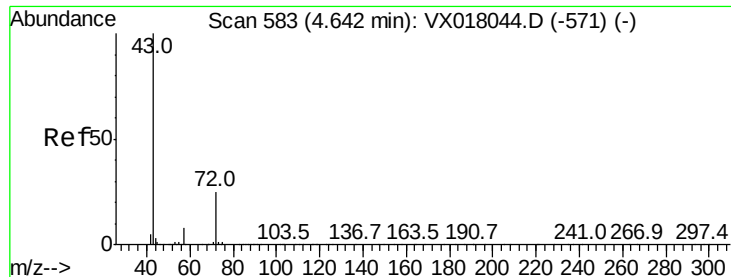
Tot Ion: 43 Resp: 5215
Ion Ratio Lower Upper
43 100
74 41.7 18.2 27.4#



#20
Methylene Chloride
Concen: 1.970 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018307.D
Acq: 09 Sep 2020 04:32

Tgt Ion: 84 Resp: 15697
Ion Ratio Lower Upper
84 100
49 118.7 98.6 148.0
51 33.1 29.6 44.4
86 61.3 49.8 74.6





#25

2-Butanone

Concen: 2.235 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampleId :

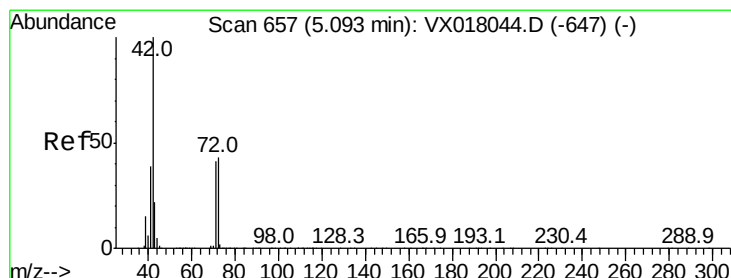
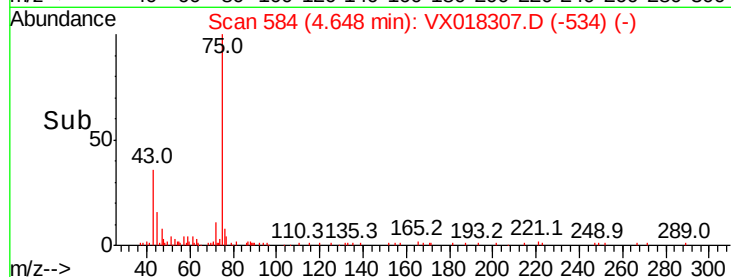
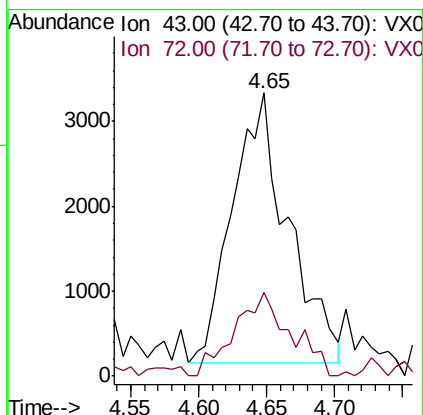
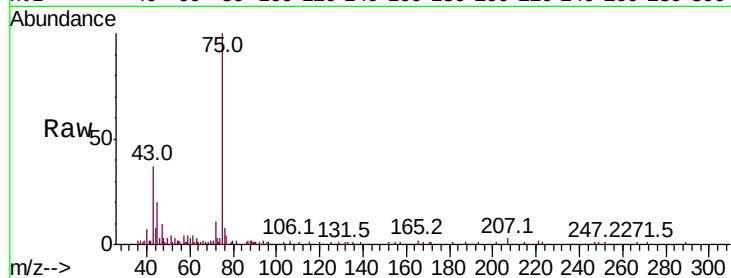
BR-1

Tot Ion: 43 Resp: 9121

Ion Ratio Lower Upper

43 100

72 31.1 19.8 29.6#



#29

Tetrahydrofuran

Concen: 1.002 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

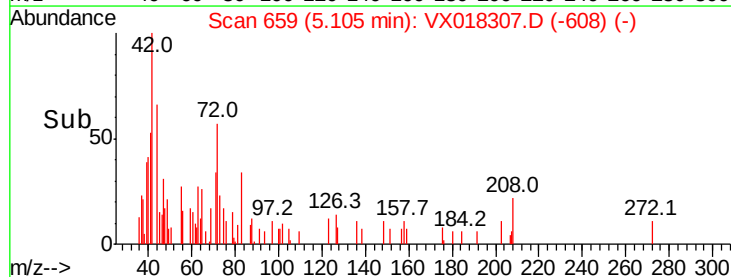
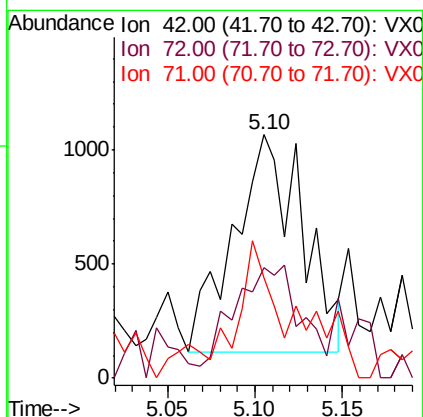
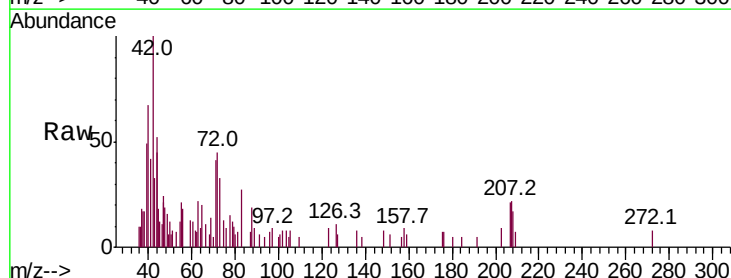
Tgt Ion: 42 Resp: 2604

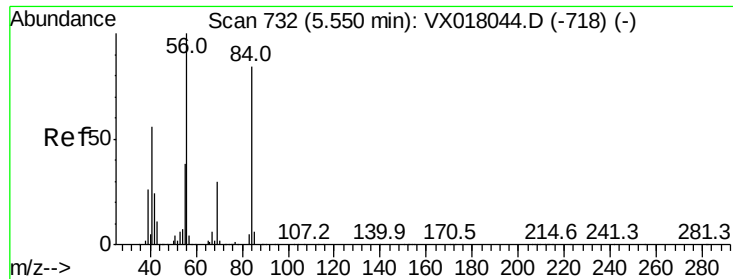
Ion Ratio Lower Upper

42 100

72 51.2 34.2 51.4

71 22.6 32.1 48.1#

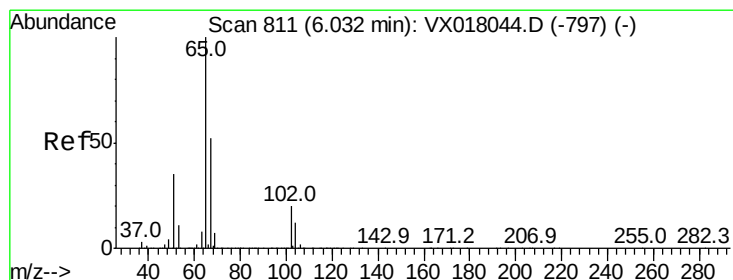
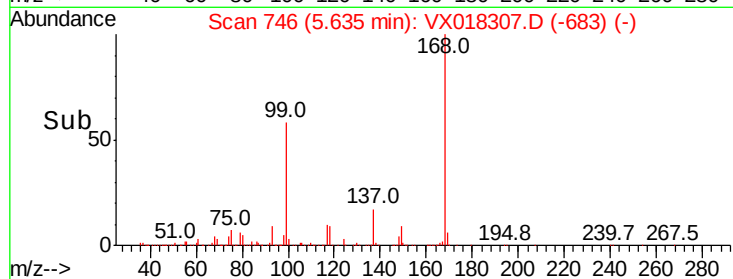
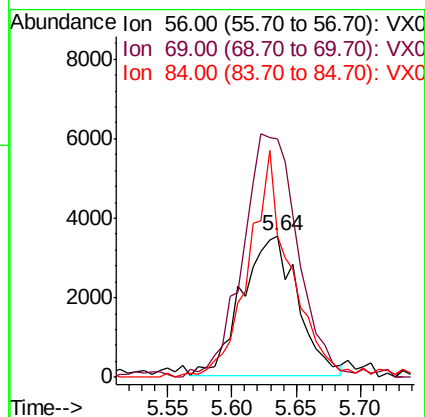
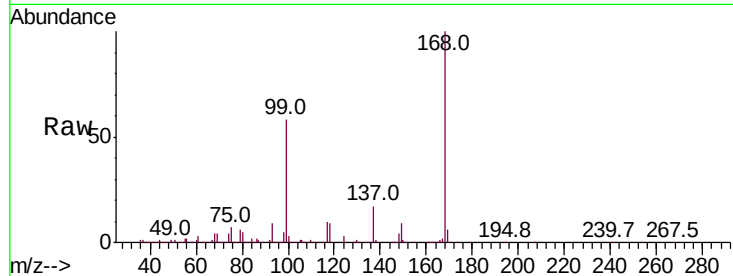




#31
Cyclohexane
Concen: 1.374 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX018307.D
Acq: 09 Sep 2020 04:32

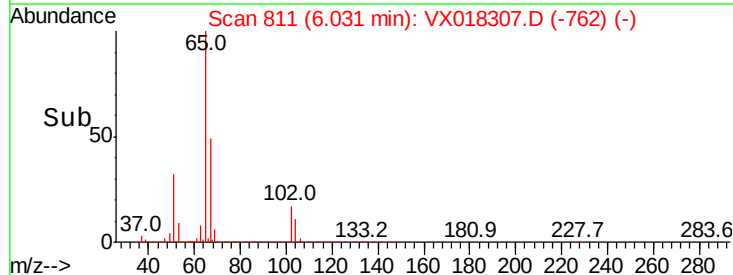
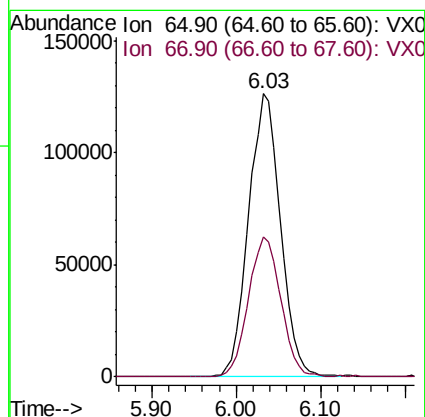
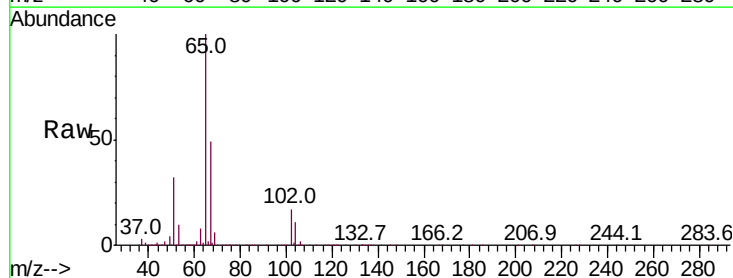
Instrument :
MSVOA_X
ClientSampled :
BR-1

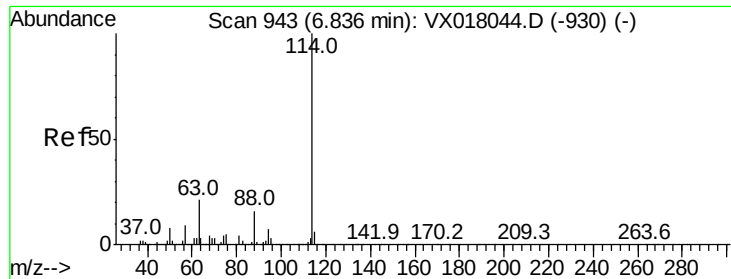
Tot Ion: 56 Resp: 10477
Ion Ratio Lower Upper
56 100
69 165.5 23.9 35.9#
84 97.8 67.0 100.4



#33
1,2-Dichloroethane-d4
Concen: 50.857 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018307.D
Acq: 09 Sep 2020 04:32

Tgt Ion: 65 Resp: 324066
Ion Ratio Lower Upper
65 100
67 50.2 0.0 105.8

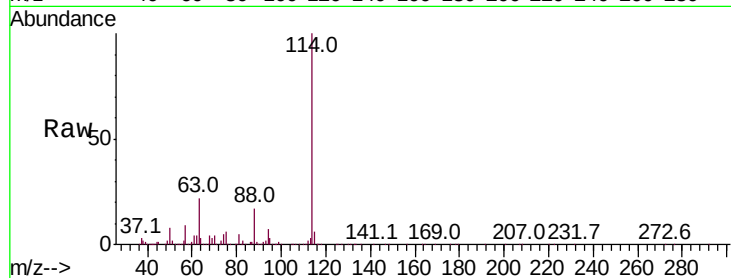




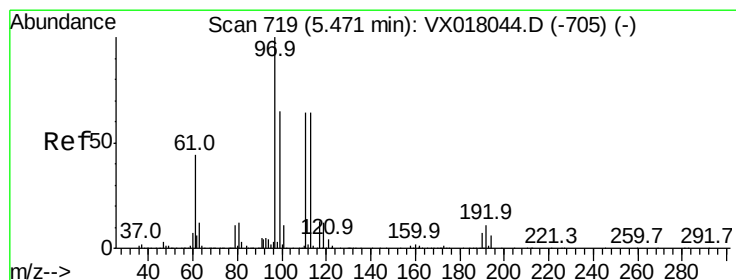
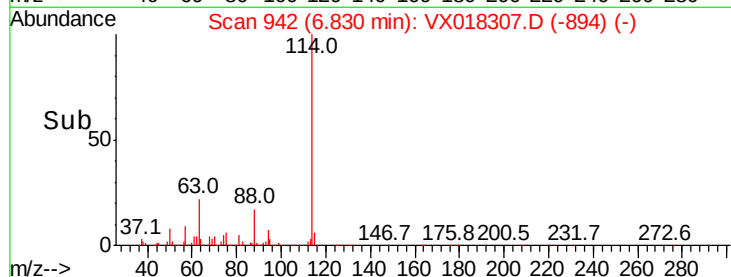
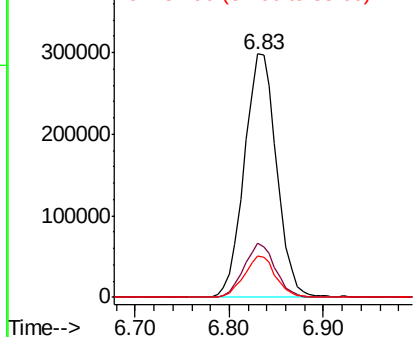
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018307.D
 Acq: 09 Sep 2020 04:32

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	42.6
88	17.0	0.0	31.8

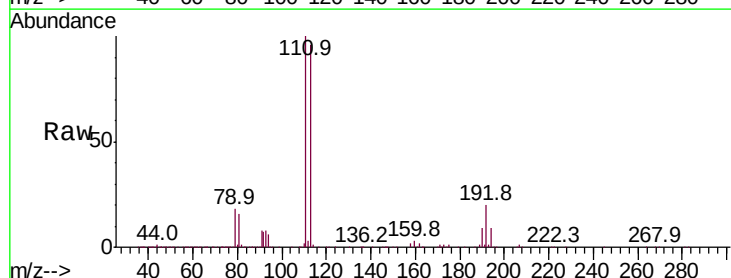


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

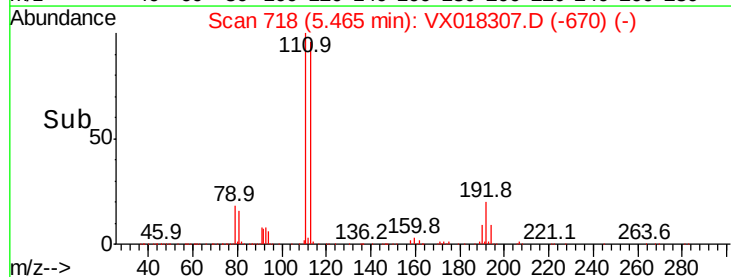
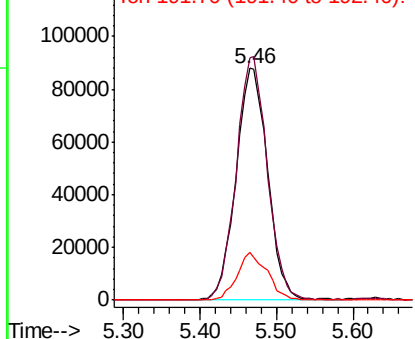


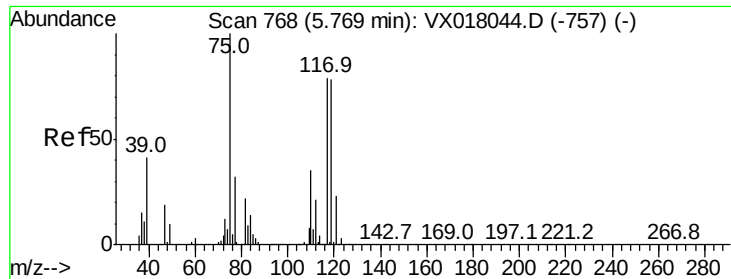
#35
 Dibromofluoromethane
 Concen: 51.641 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018307.D
 Acq: 09 Sep 2020 04:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.6	122.4
192	19.6	15.8	23.8



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: 5.320 ug/l

RT: 5.64 min Scan# 747

Delta R.T. -0.13 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampled :

BR-1

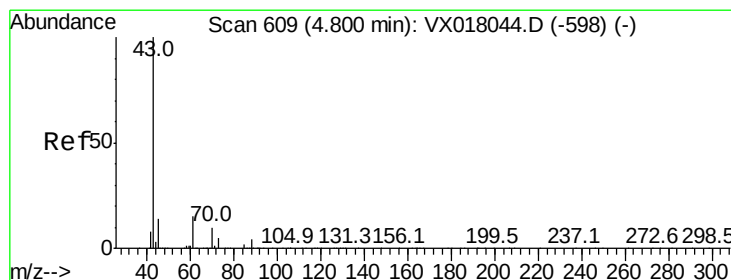
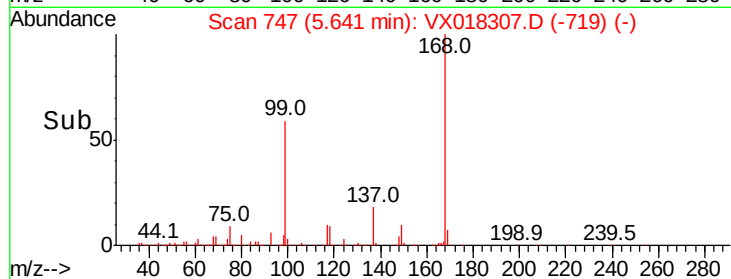
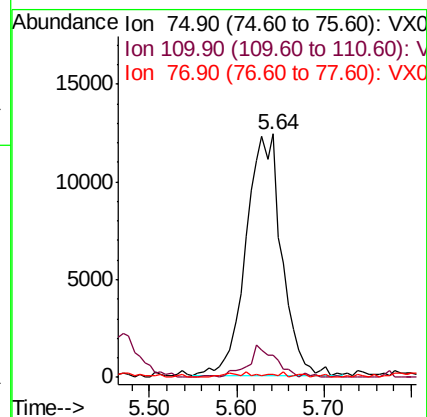
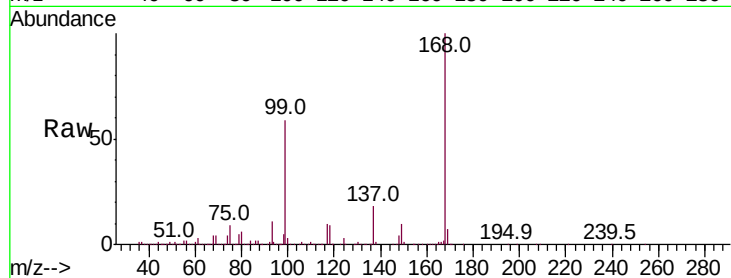
Tot Ion: 75 Resp: 35235

Ion Ratio Lower Upper

75 100

110 0.0 18.0 54.0#

77 0.4 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.244 ug/l

RT: 4.78 min Scan# 606

Delta R.T. -0.02 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

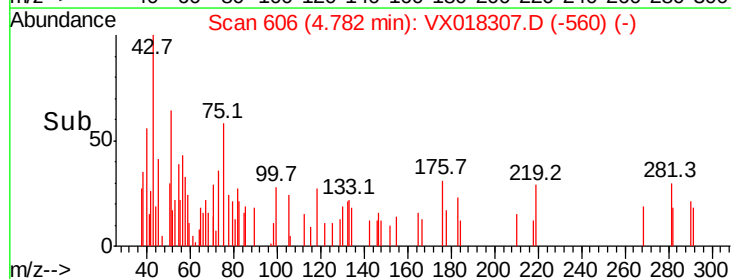
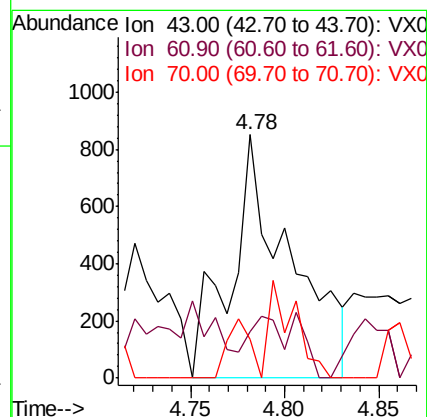
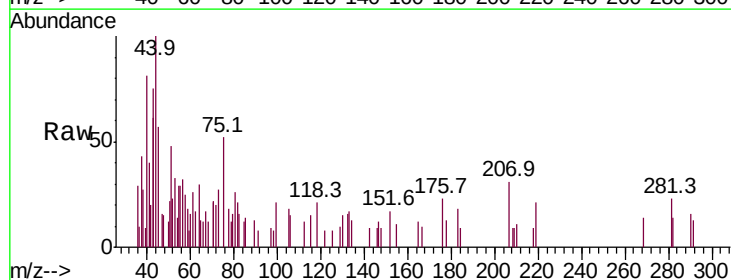
Tgt Ion: 43 Resp: 1878

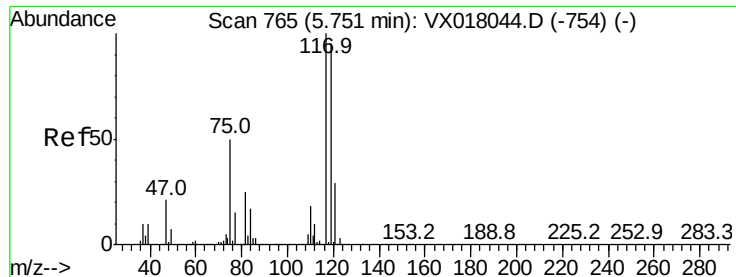
Ion Ratio Lower Upper

43 100

61 0.0 11.3 16.9#

70 9.2 8.2 12.4





#38

Carbon Tetrachloride

Concen: 6.620 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampleId :

BR-1

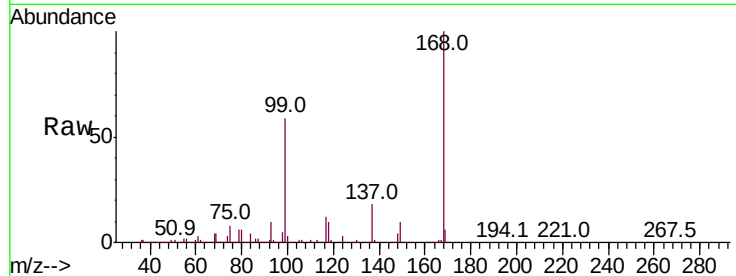
Tot Ion:117 Resp: 49414

Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.6#

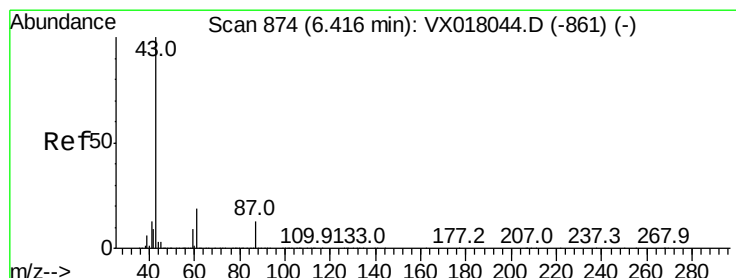
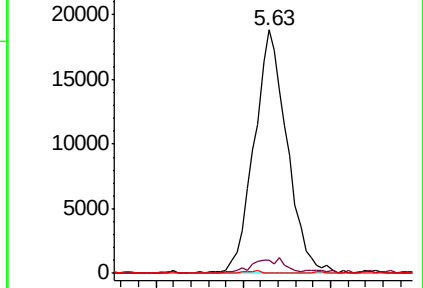
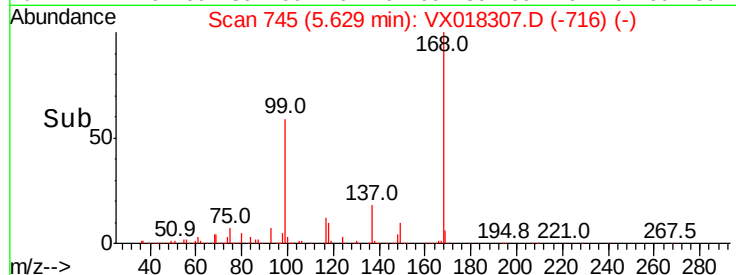
121 0.0 23.4 35.0#



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



#43

Isopropyl Acetate

Concen: 3.424 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

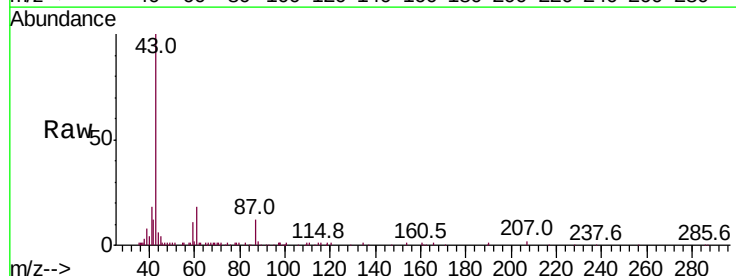
Tgt Ion: 43 Resp: 42539

Ion Ratio Lower Upper

43 100

61 19.8 15.7 23.5

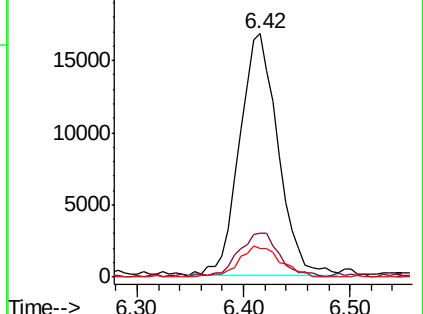
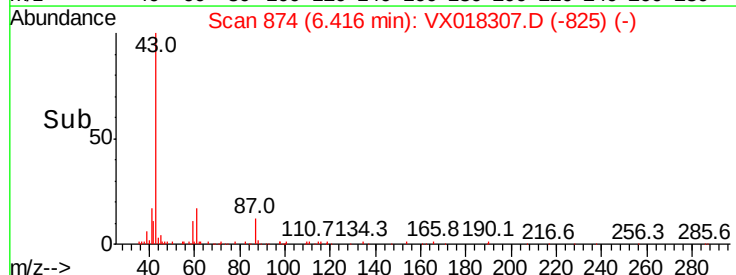
87 13.7 10.3 15.5

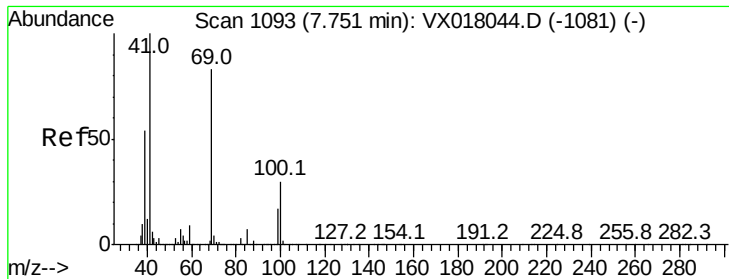


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#48

Methvl methacrylate

Concen: 0.664 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.10 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampled :

BR-1

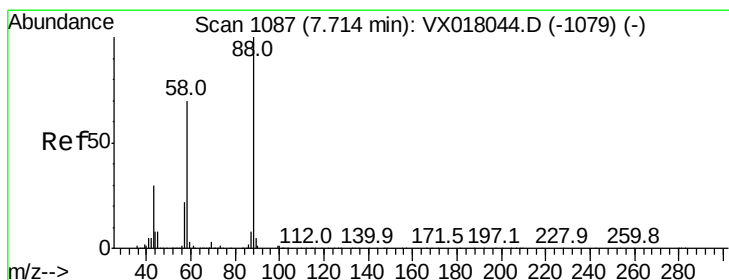
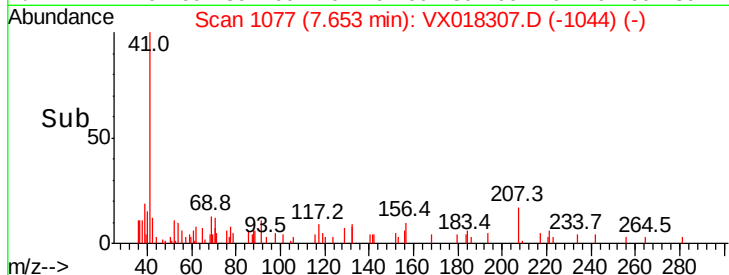
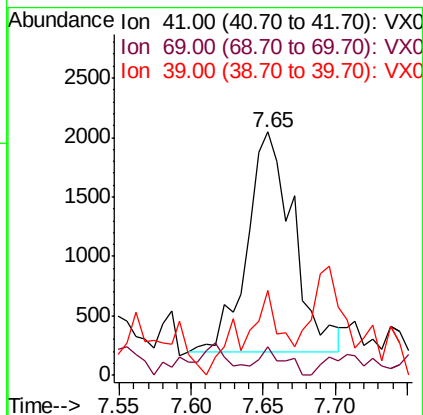
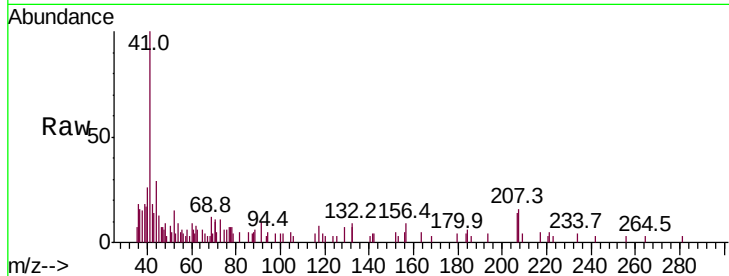
Tot Ion: 41 Resp: 4105

Ion Ratio Lower Upper

41 100

69 6.8 65.5 98.3#

39 15.7 44.5 66.7#



#49

1,4-Dioxane

Concen: 0.428 ug/l

RT: 7.70 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

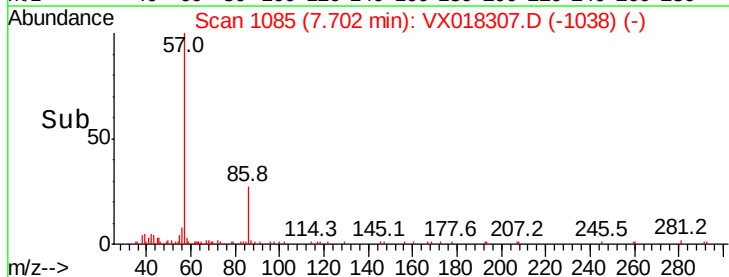
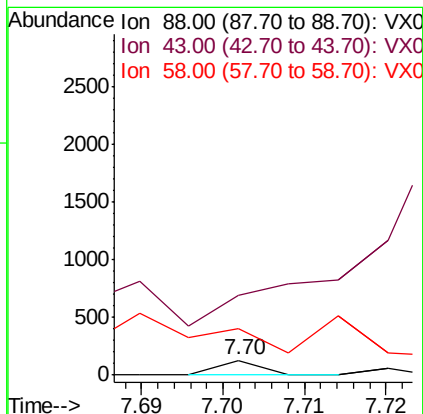
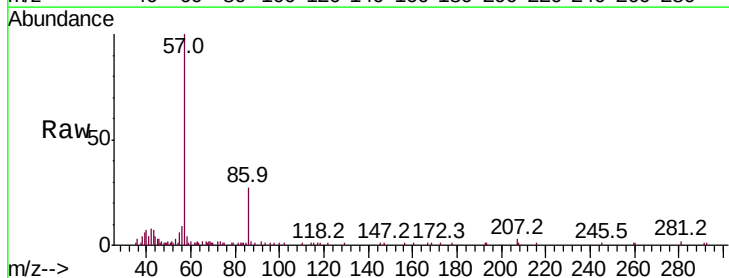
Tgt Ion: 88 Resp: 48

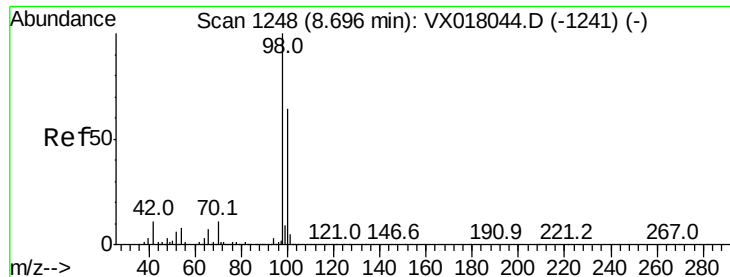
Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

58 1550.0 56.4 84.6#





#50

Toluene-d8

Concen: 50.487 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampleId :

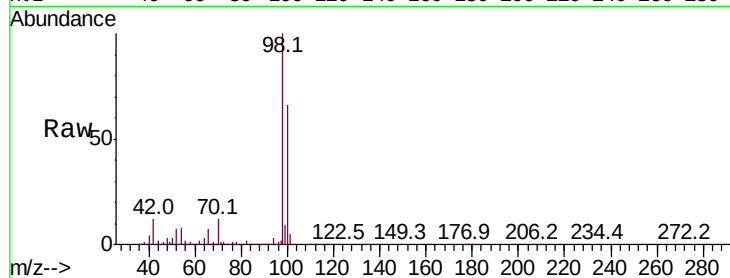
BR-1

Tot Ion: 98 Resp: 919624

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.70

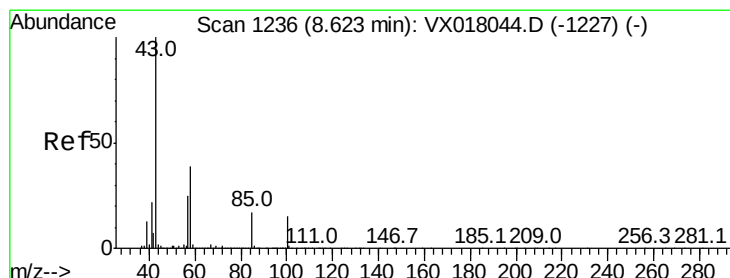
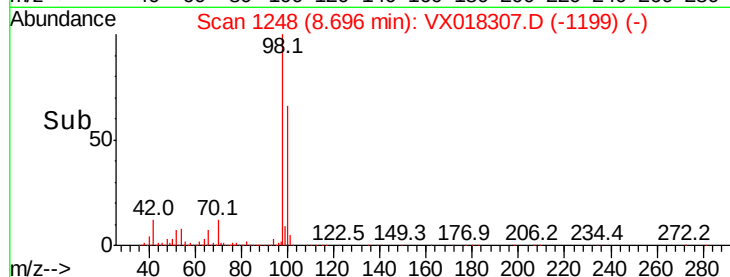
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 7.382 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018307.D

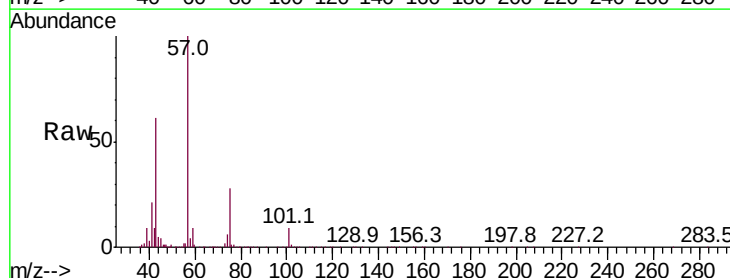
Acq: 09 Sep 2020 04:32

Tgt Ion: 43 Resp: 56655

Ion Ratio Lower Upper

43 100

58 0.0 30.7 46.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.59

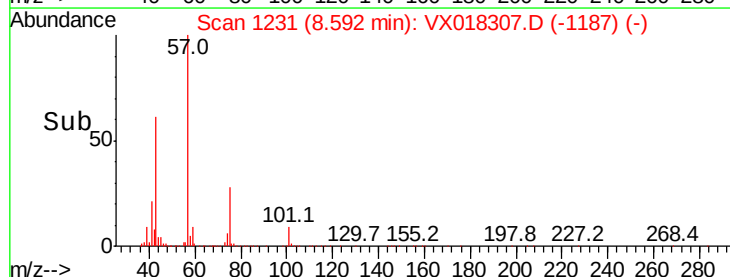
30000

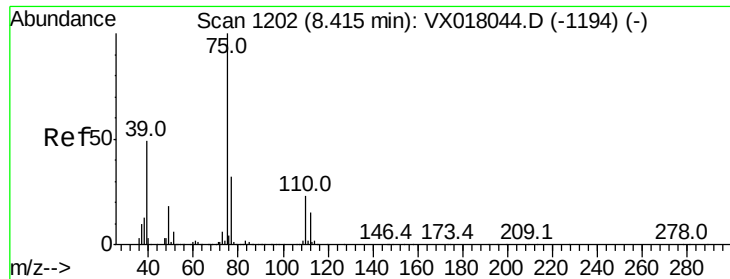
20000

10000

0

Time-->

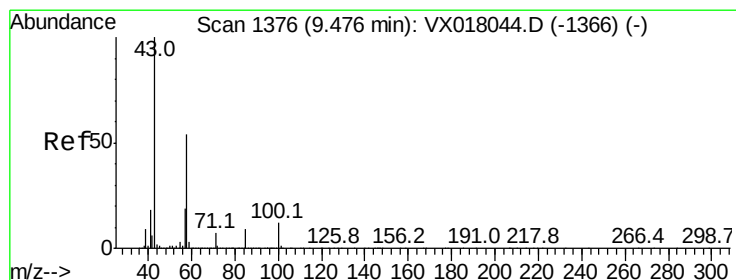
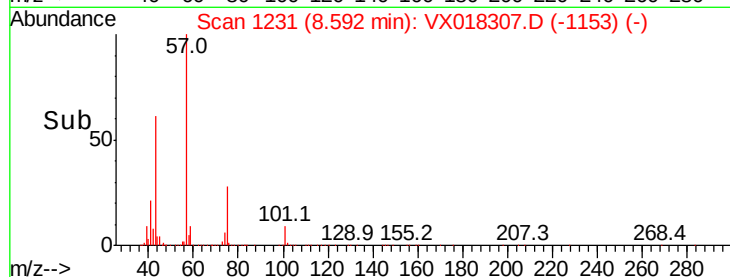
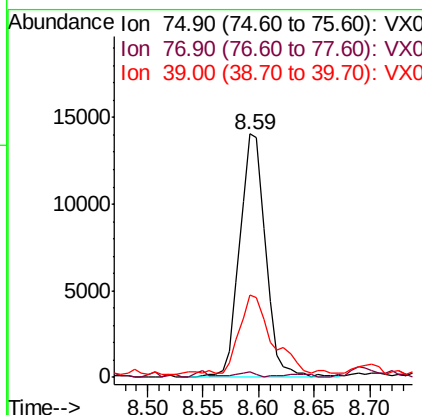
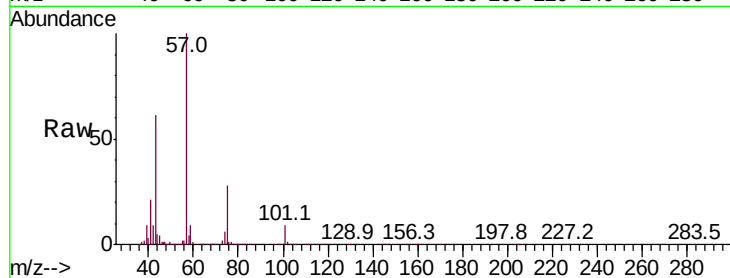




#54
 cis-1,3-Dichloropropene
 Concen: 2.633 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX018307.D
 Acq: 09 Sep 2020 04:32

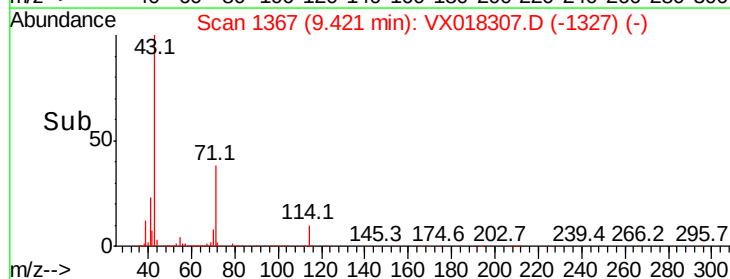
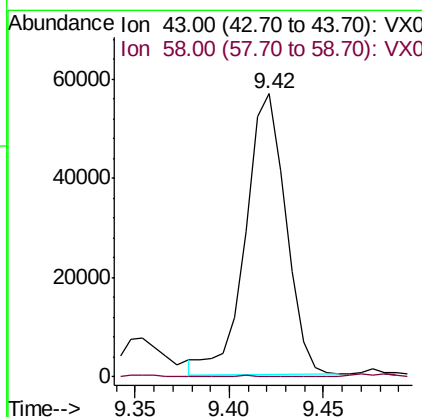
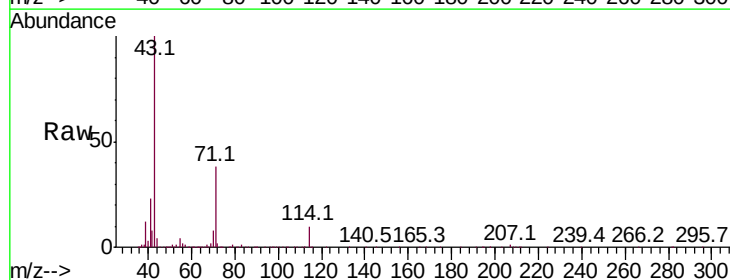
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-1

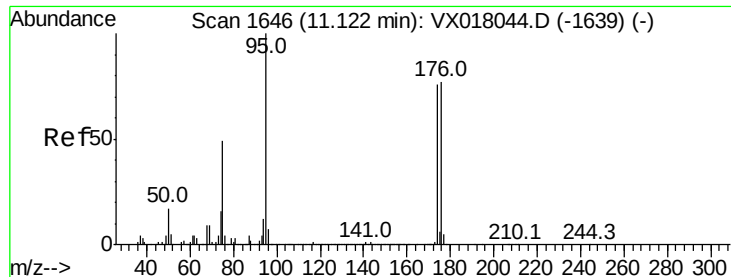
Tot Ion	Ratio	Lower	Upper
75	100		
77	1.9	25.8	38.8#
39	32.3	38.8	58.2#



#59
 2-Hexanone
 Concen: 14.465 ug/l
 RT: 9.42 min Scan# 1367
 Delta R.T. -0.05 min
 Lab File: VX018307.D
 Acq: 09 Sep 2020 04:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.4	26.6	79.7#

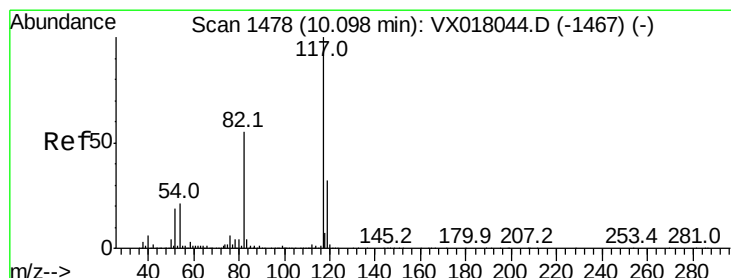
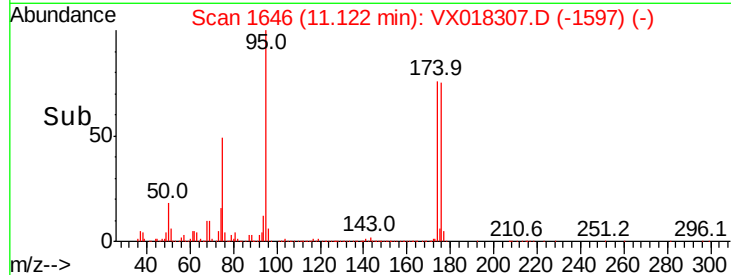
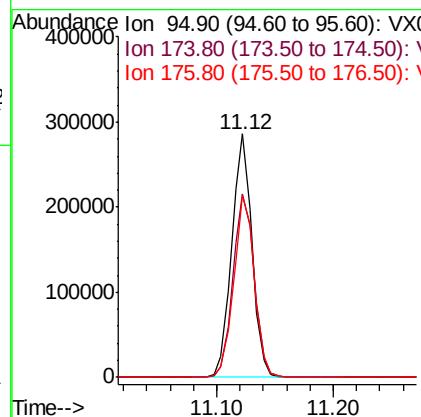
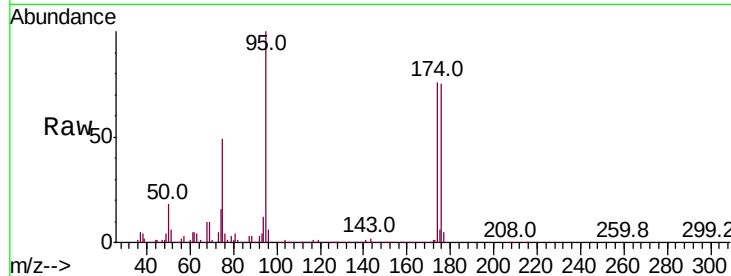




#62
 4-Bromofluorobenzene
 Concen: 47.920 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.00 min
 Lab File: VX018307.D
 Acq: 09 Sep 2020 04:32

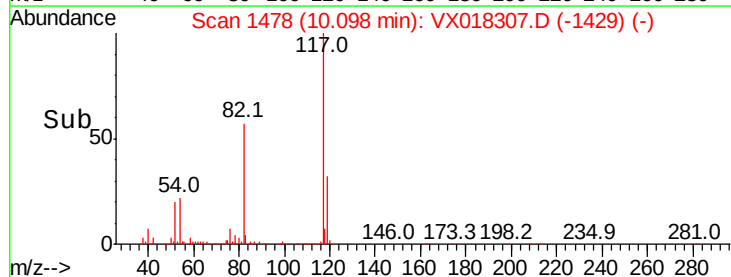
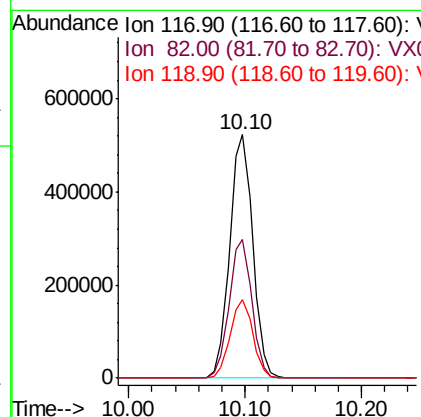
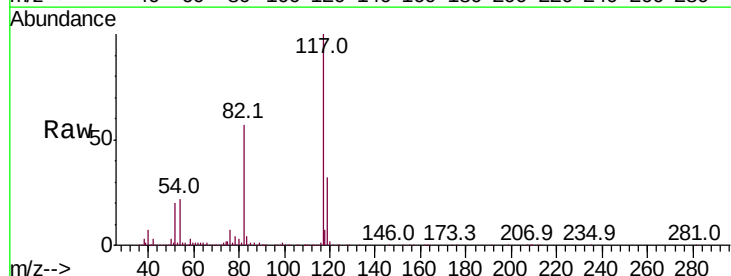
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-1

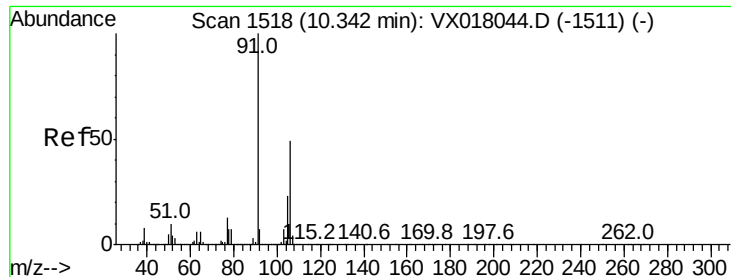
Tot Ion:	95	Resp:	343420
Ion	Ratio	Lower	Upper
95	100		
174	79.6	0.0	160.2
176	76.3	0.0	155.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.10 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: VX018307.D
 Acq: 09 Sep 2020 04:32

Tgt Ion:	117	Resp:	717223
Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.2	66.2
119	32.0	25.7	38.5





#68

m/p-Xylenes

Concen: 0.342 ug/l

RT: 10.35 min Scan# 1519

Delta R.T. 0.01 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampleId :

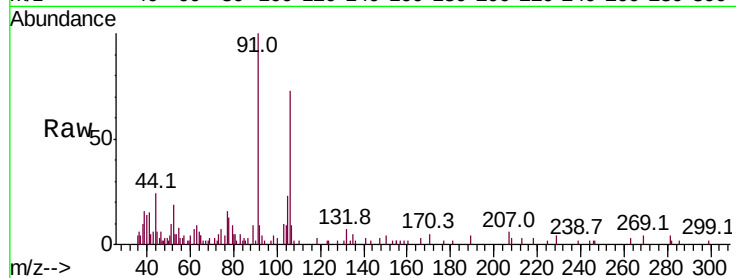
BR-1

Tot Ion:106 Resp: 3112

Ion Ratio Lower Upper

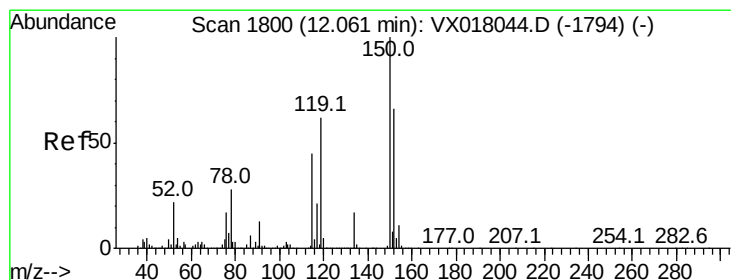
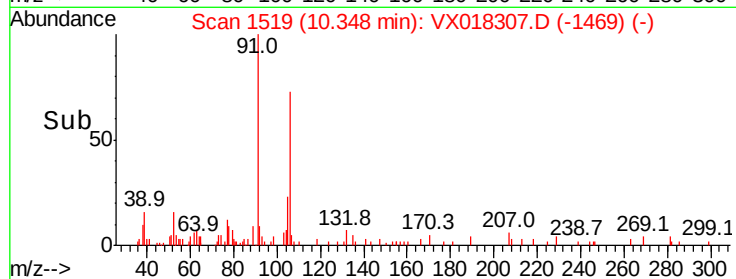
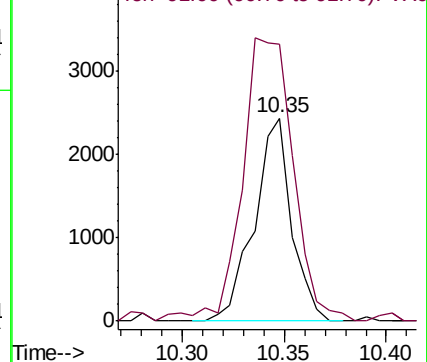
106 100

91 189.2 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

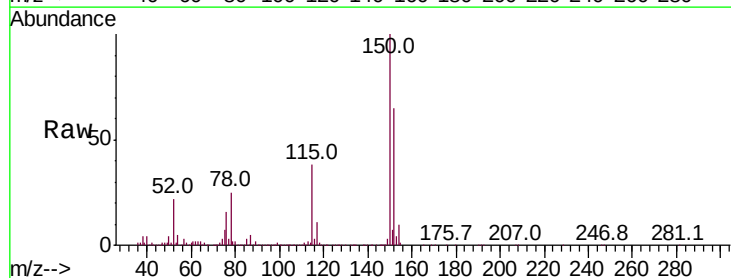
Tgt Ion:152 Resp: 368030

Ion Ratio Lower Upper

152 100

115 59.0 41.5 124.5

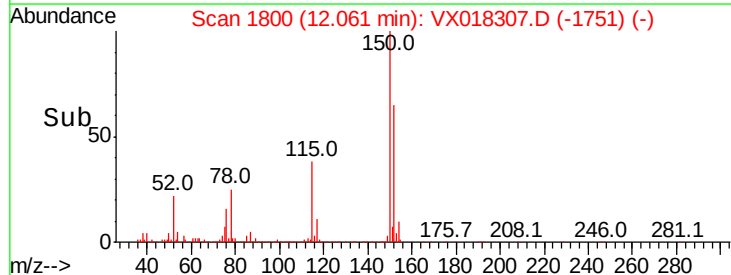
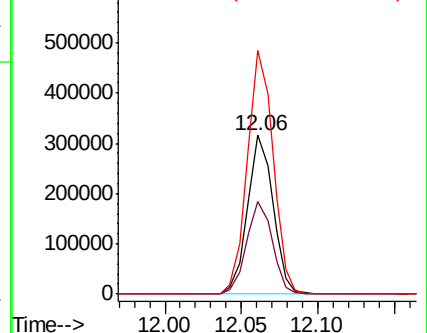
150 154.8 0.0 343.8

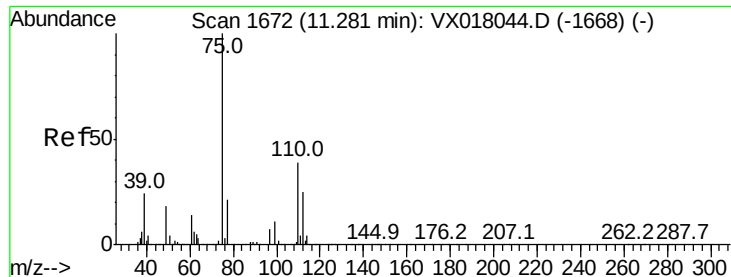


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 21.470 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampleId :

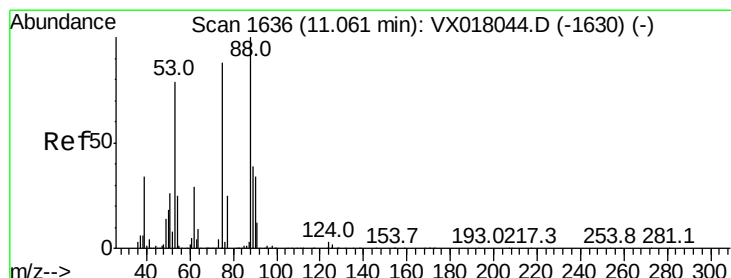
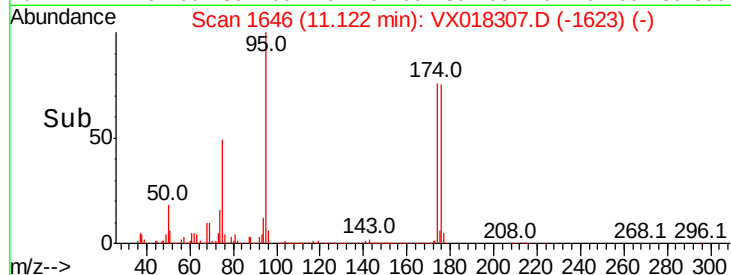
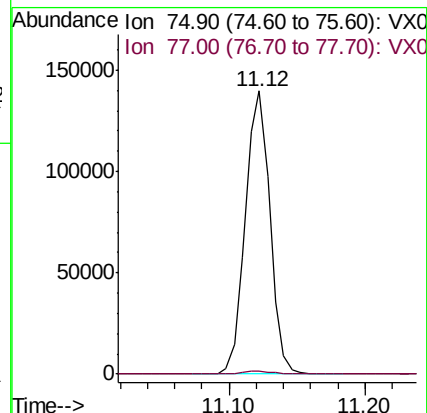
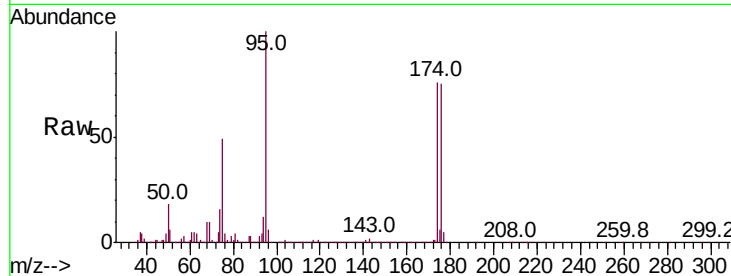
BR-1

Tot Ion: 75 Resp: 175772

Ion Ratio Lower Upper

75 100

77 1.5 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.986 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

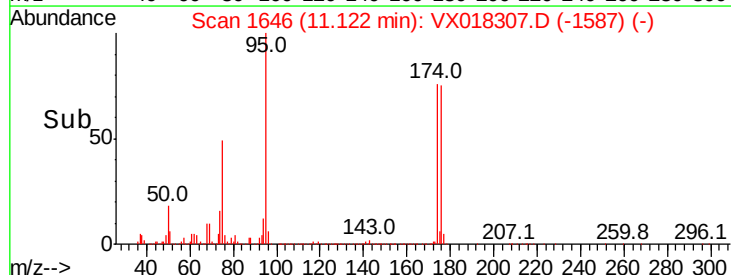
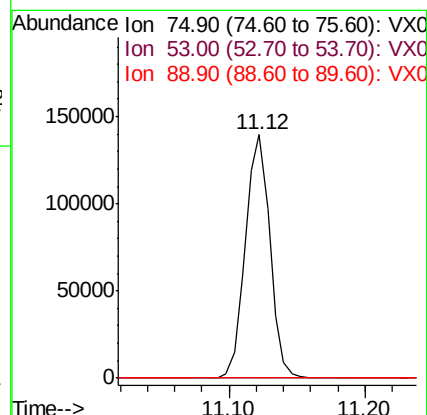
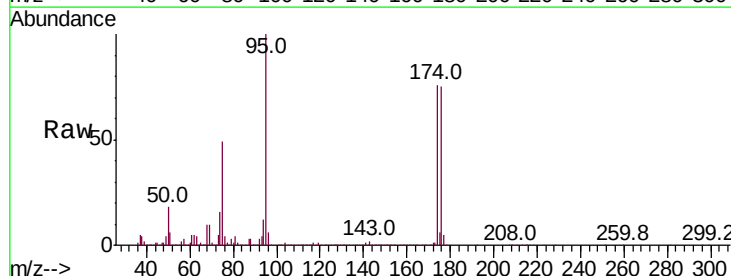
Tgt Ion: 75 Resp: 175772

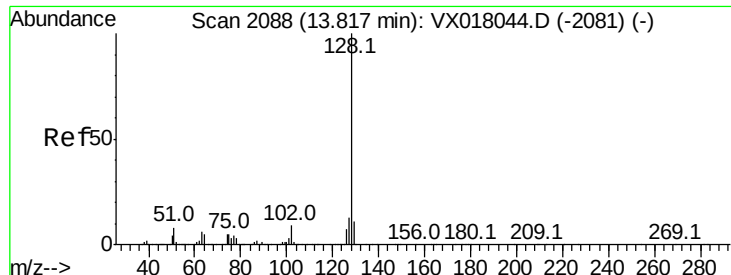
Ion Ratio Lower Upper

75 100

53 0.3 74.7 112.1#

89 0.1 36.6 54.8#





#95

Naphthalene

Concen: 0.493 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018307.D

Acq: 09 Sep 2020 04:32

Instrument :

MSVOA_X

ClientSampleId :

BR-1

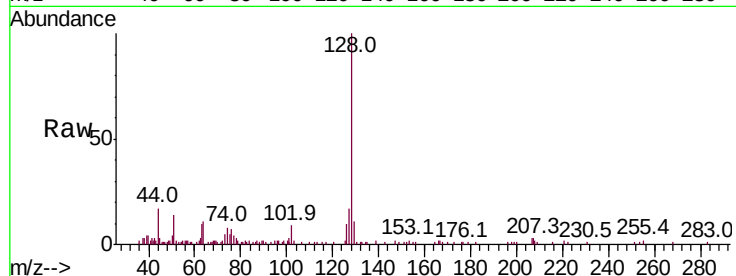
Tot Ion:128 Resp: 12008

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

129 12.9 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

