

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090320\
 Data File : VX018246.D
 Acq On : 03 Sep 2020 19:32
 Operator : JC/SP
 Sample : L3876-14 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1576

Quant Time: Sep 04 01:24:30 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	5.63	168	441024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	708468	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	695812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	350848	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	316925	51.76	ug/l	0.00
Spiked Amount			Recovery	=	103.52%	
35) Dibromofluoromethane	5.46	113	252764	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
50) Toluene-d8	8.70	98	861595	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
62) 4-Bromofluorobenzene	11.12	95	339983	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	

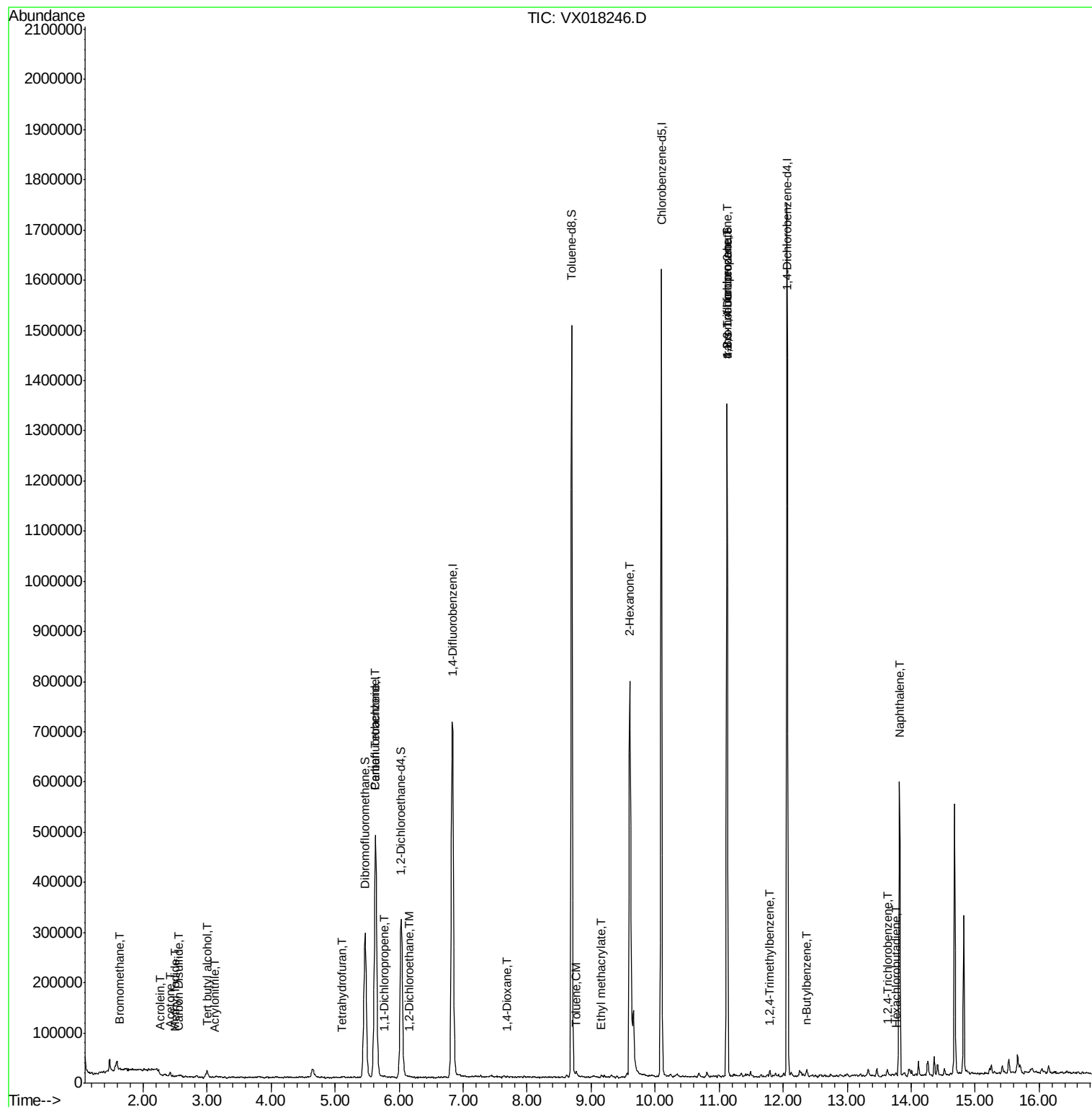
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1273	0.468	ug/l #	73
10) Methyl Iodide	2.50	142	1595	5.608	ug/l #	85
11) Tert butyl alcohol	3.00	59	8430	7.081	ug/l #	94
13) Acrolein	2.27	56	419	0.849	ug/l #	14
15) Acrylonitrile	3.11	53	838	0.310	ug/l #	52
16) Acetone	2.42	43	11012	4.616	ug/l	89
17) Carbon Disulfide	2.55	76	4079	0.313	ug/l #	64
20) Methylene Chloride	2.83	84	2989	Below Cal	#	90
29) Tetrahydrofuran	5.09	42	657	0.263	ug/l #	41
36) 1,1-Dichloropropene	5.77	75	1309	0.200	ug/l #	67
38) Carbon Tetrachloride	5.63	117	47154	6.403	ug/l #	21
42) 1,2-Dichloroethane	6.16	62	1674	0.228	ug/l	91
49) 1,4-Dioxane	7.68	88	146	1.321	ug/l #	1
52) Toluene	8.77	92	2873	0.236	ug/l	98
56) Ethyl methacrylate	9.16	69	2133	0.276	ug/l	96
59) 2-Hexanone	9.60	43	194013	33.696	ug/l #	35
76) 1,2,3-Trichloropropane	11.12	75	177354	22.724	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	177354	61.373	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.79	105	4177	0.215	ug/l	100
89) n-Butylbenzene	12.38	91	3797	0.212	ug/l #	91
93) 1,2,4-Trichlorobenzene	13.63	180	2853	0.405	ug/l	78
94) Hexachlorobutadiene	13.76	225	1045	0.376	ug/l	98
95) Naphthalene	13.82	128	346905	14.952	ug/l	99

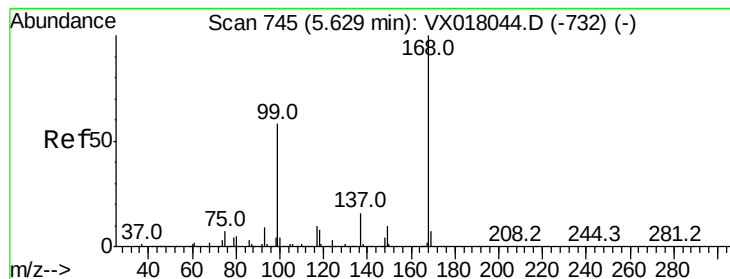
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Instrument :

MSVOA_X

ClientSampleId :

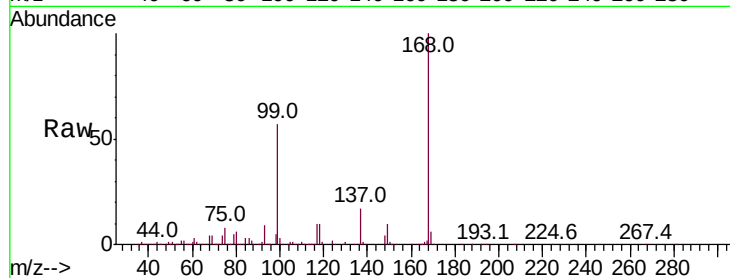
1576

Tot Ion:168 Resp: 441024

Ion Ratio Lower Upper

168 100

99 57.3 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

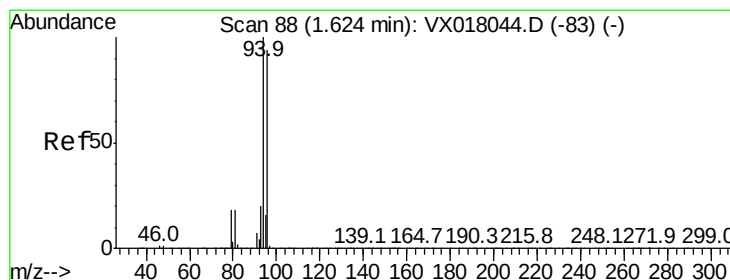
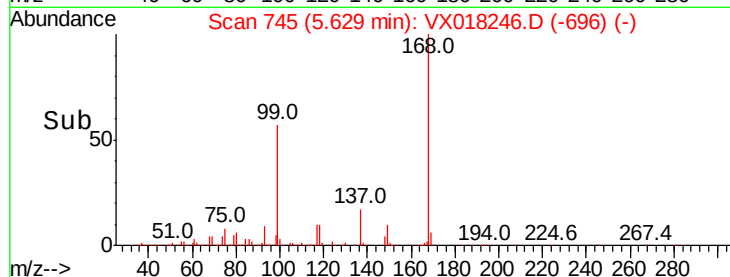
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.468 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX018246.D

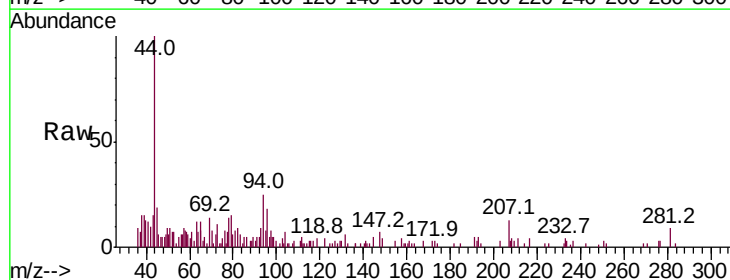
Acq: 03 Sep 2020 19:32

Tgt Ion: 94 Resp: 1273

Ion Ratio Lower Upper

94 100

96 67.3 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

800

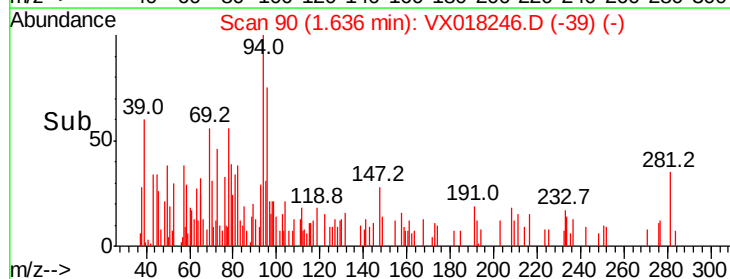
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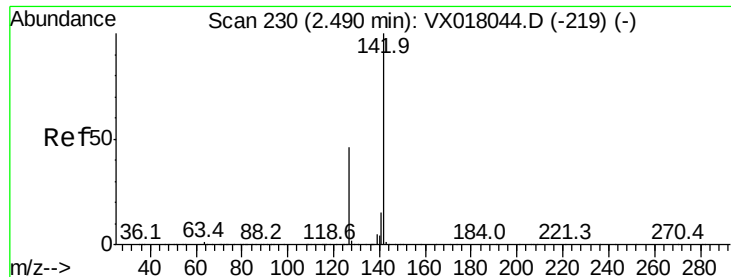
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200

0

Time-->

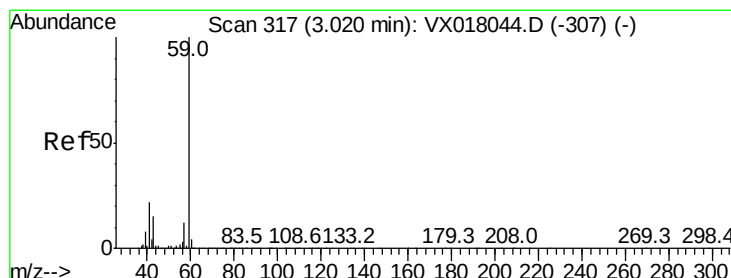
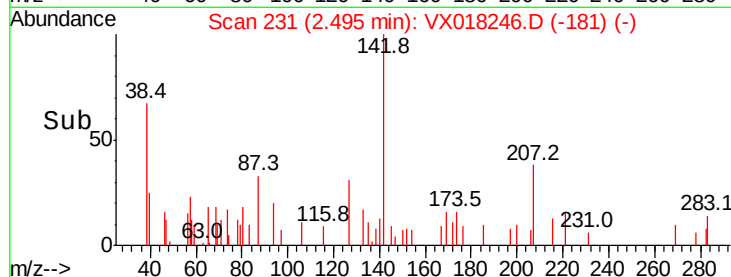
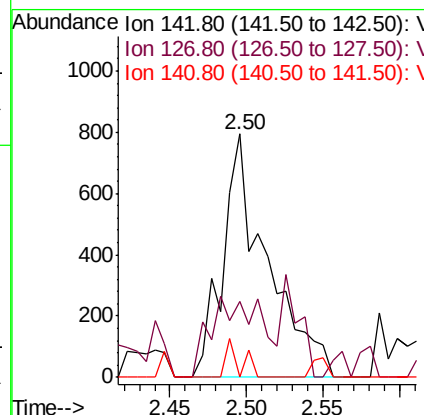
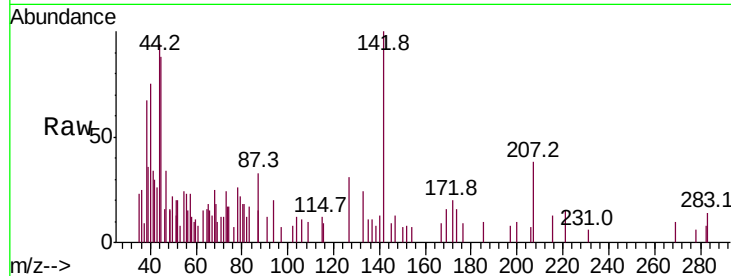




#10
Methyl Iodide
Concen: 5.608 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

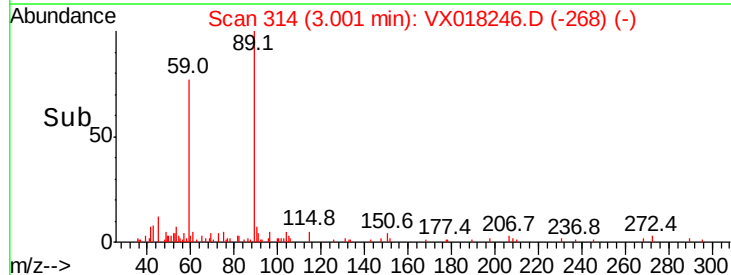
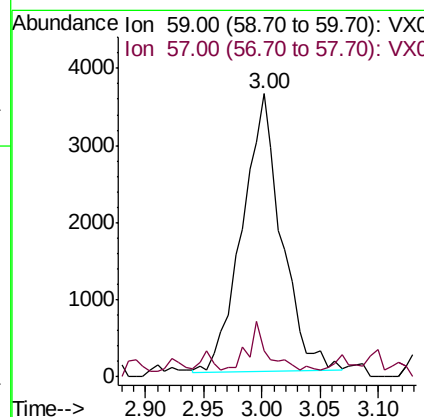
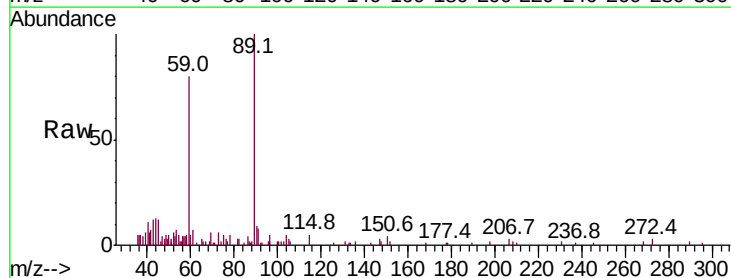
Instrument :
MSVOA_X
ClientSampled :
1576

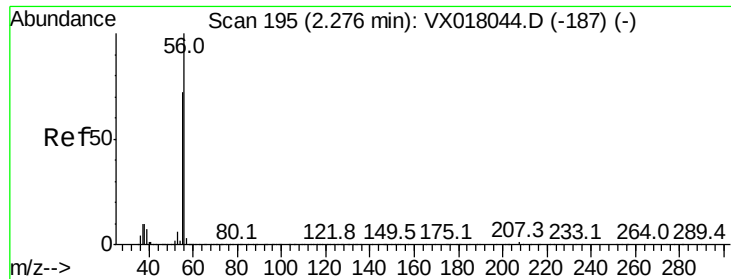
Tot Ion:142 Resp: 1595
Ion Ratio Lower Upper
142 100
127 37.9 37.0 55.6
141 5.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 7.081 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

Tgt Ion: 59 Resp: 8430
Ion Ratio Lower Upper
59 100
57 8.8 8.9 13.3#

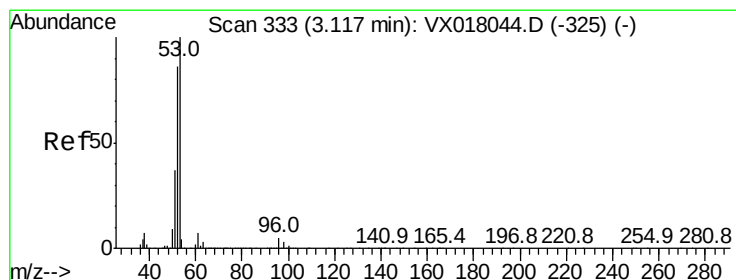
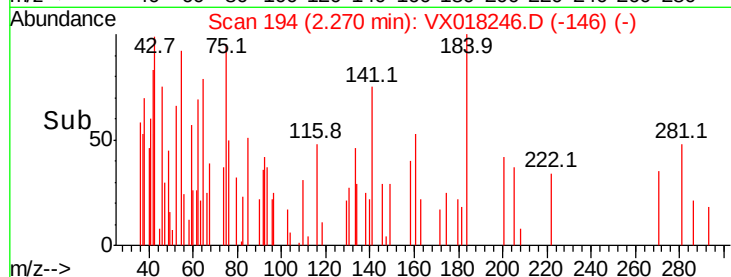
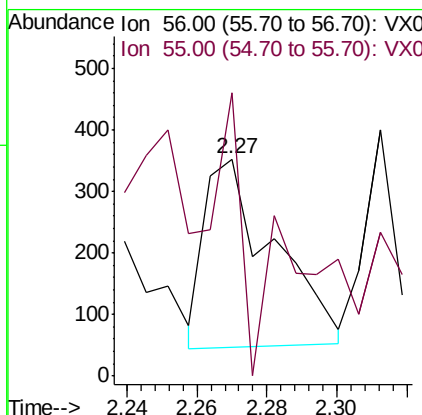
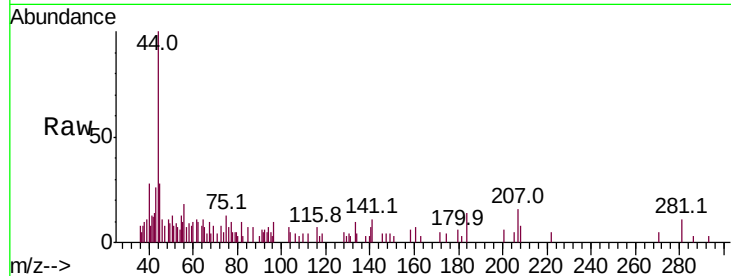




#13
Acrolein
Concen: 0.849 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

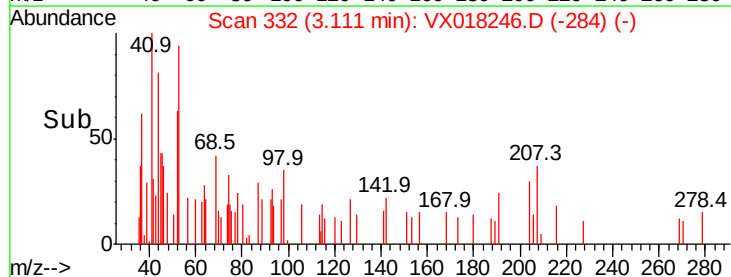
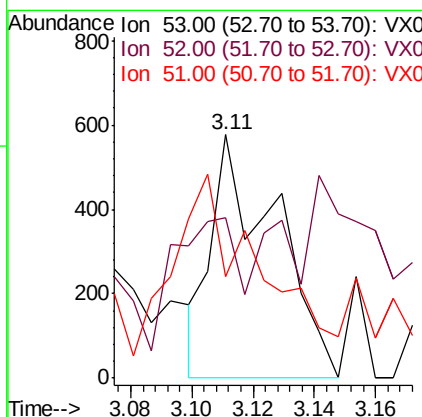
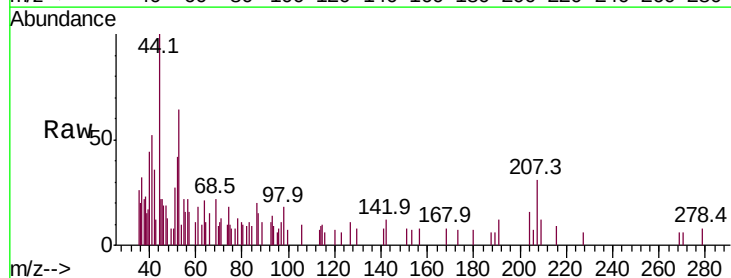
Instrument :
MSVOA_X
ClientSampled :
1576

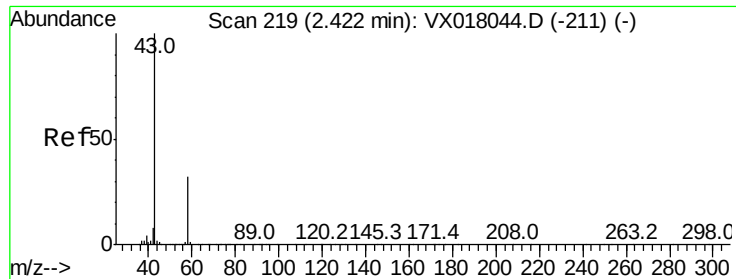
Tot Ion: 56 Resp: 419
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#



#15
Acrylonitrile
Concen: 0.310 ug/l
RT: 3.11 min Scan# 332
Delta R.T. -0.01 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

Tgt Ion: 53 Resp: 838
Ion Ratio Lower Upper
53 100
52 90.3 66.9 100.3
51 119.9 28.7 43.1#





#16

Acetone

Concen: 4.616 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Instrument :

MSVOA_X

ClientSampleId :

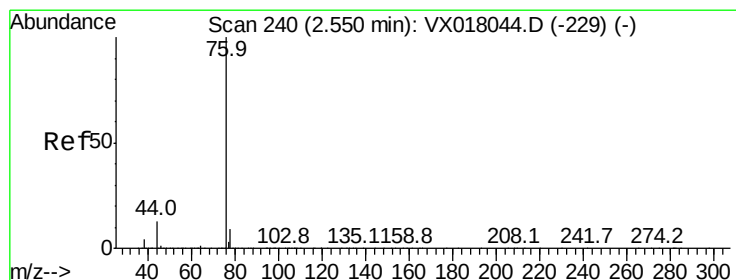
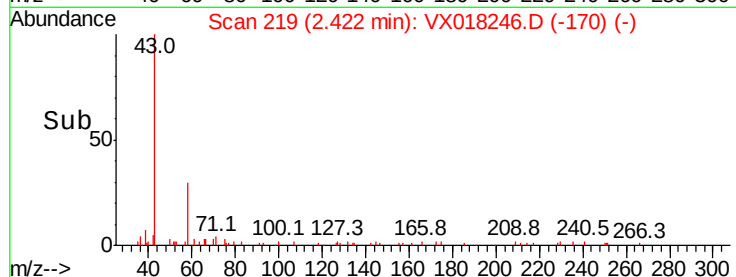
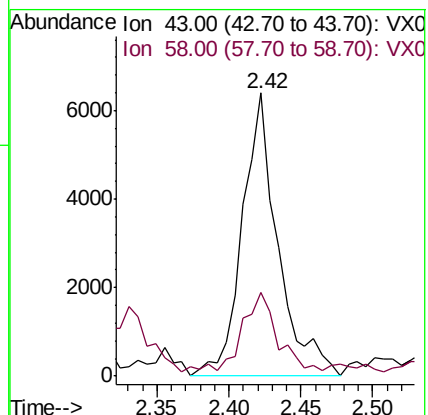
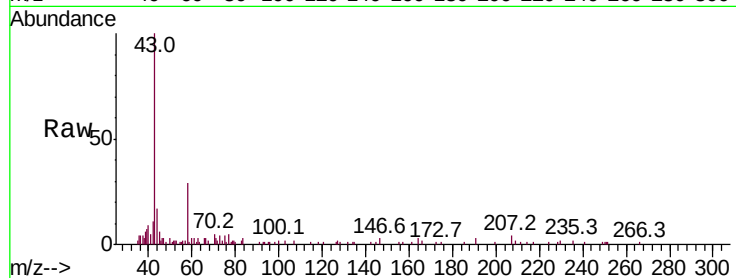
1576

Tot Ion: 43 Resp: 11012

Ion Ratio Lower Upper

43 100

58 26.0 25.5 38.3



#17

Carbon Disulfide

Concen: 0.313 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX018246.D

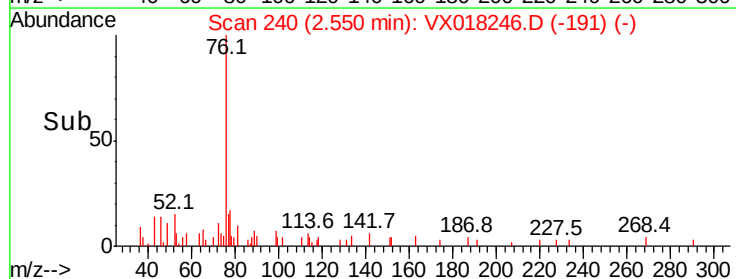
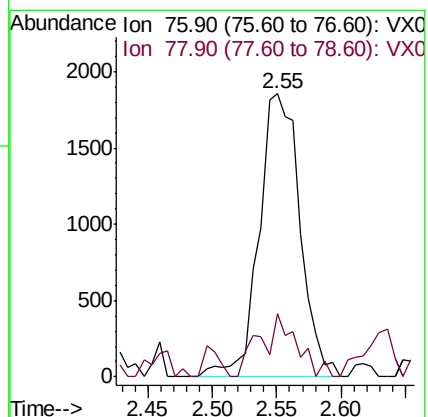
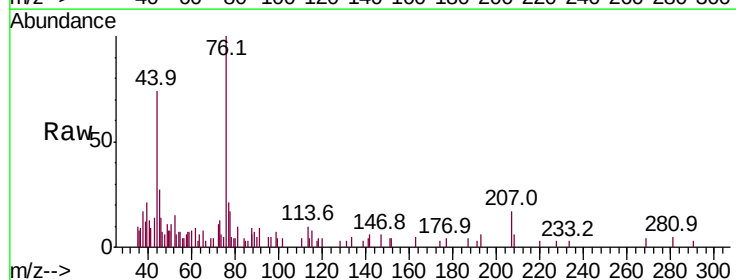
Acq: 03 Sep 2020 19:32

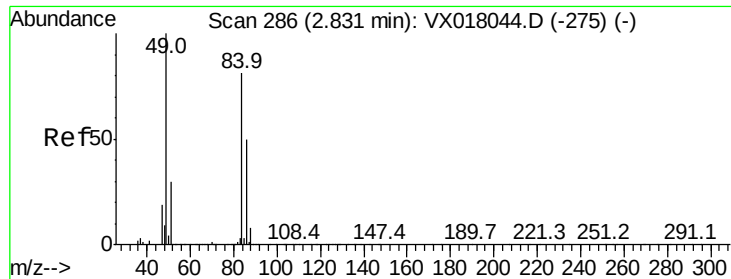
Tgt Ion: 76 Resp: 4079

Ion Ratio Lower Upper

76 100

78 22.3 7.4 11.0#

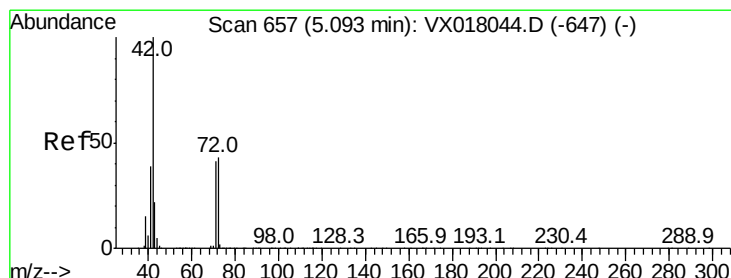
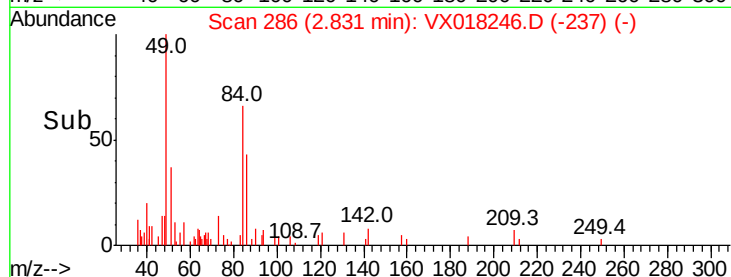
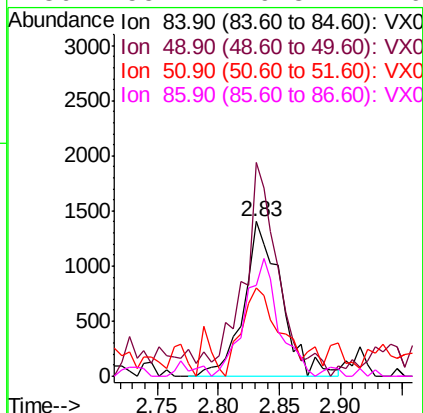
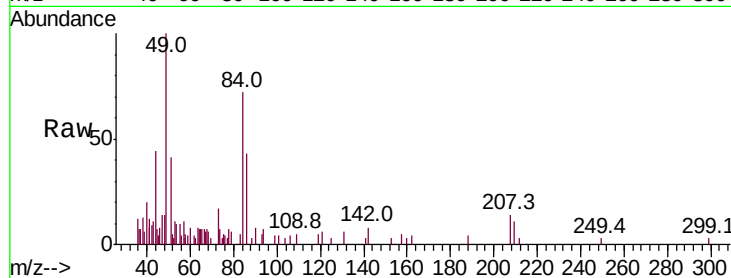




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

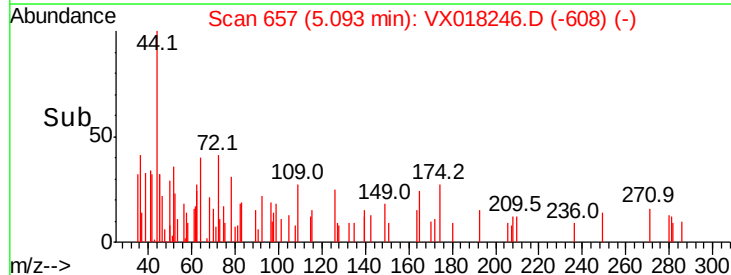
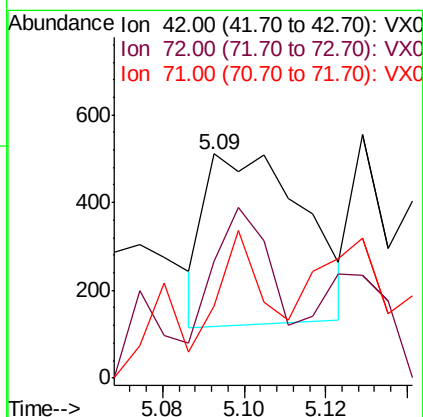
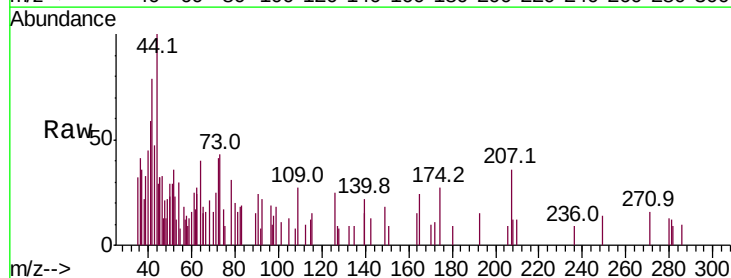
Instrument :
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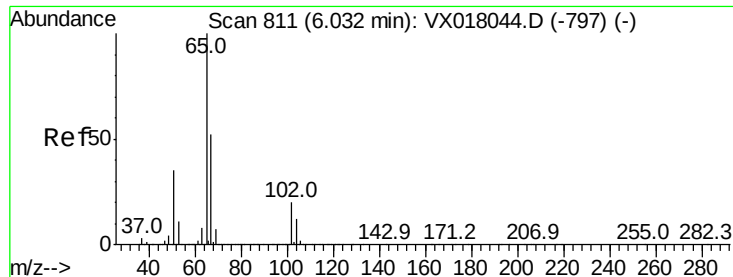
Tot Ion:	84	Resp:	2989
Ion	Ratio	Lower	Upper
84	100		
49	131.6	98.6	148.0
51	48.3	29.6	44.4#
86	55.1	49.8	74.6



#29
Tetrahydrofuran
Concen: 0.263 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

Tgt Ion:	42	Resp:	657
Ion	Ratio	Lower	Upper
42	100		
72	93.0	34.2	51.4#
71	64.2	32.1	48.1#





#33

1,2-Dichloroethane-d4

Concen: 51.764 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

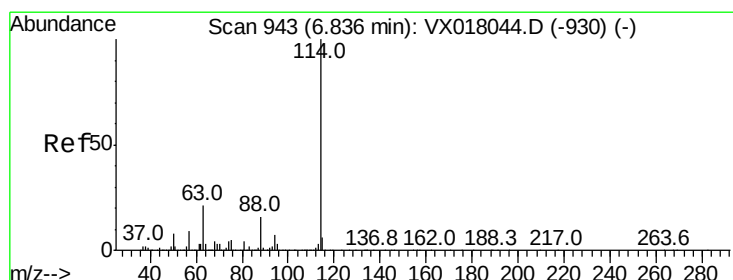
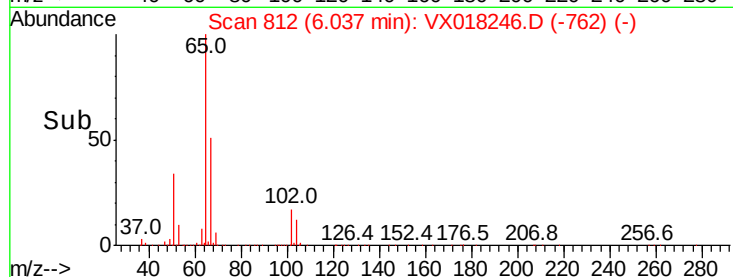
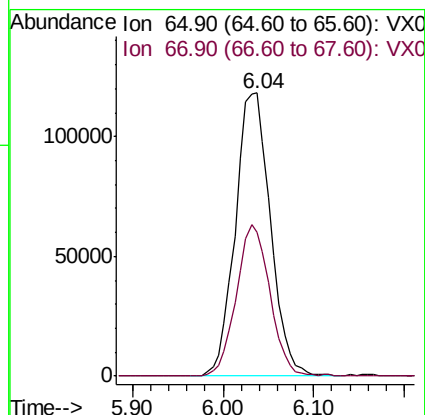
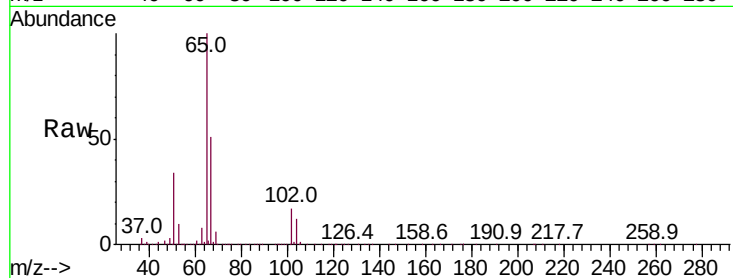
Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Instrument :
MSVOA_X
ClientSampled :
1576

Tot Ion: 65 Resp: 316925

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

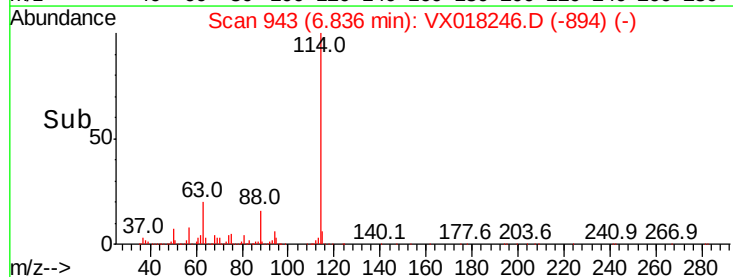
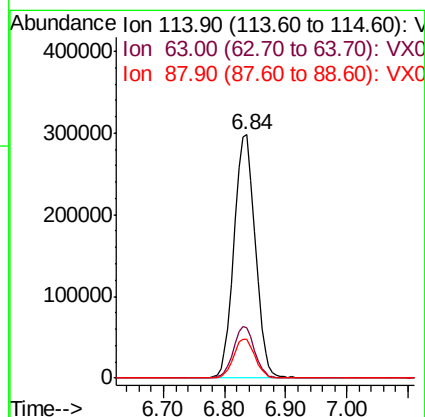
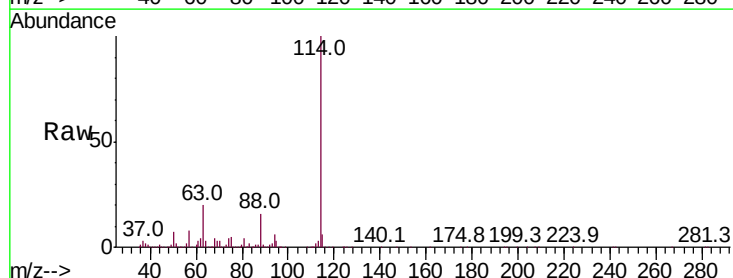
Delta R.T. -0.00 min

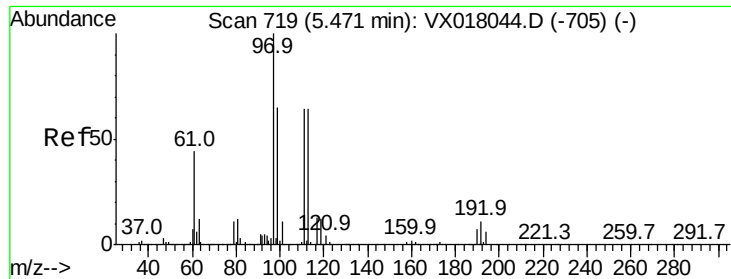
Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Tgt Ion: 114 Resp: 708468

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	42.6
88	15.9	0.0	31.8

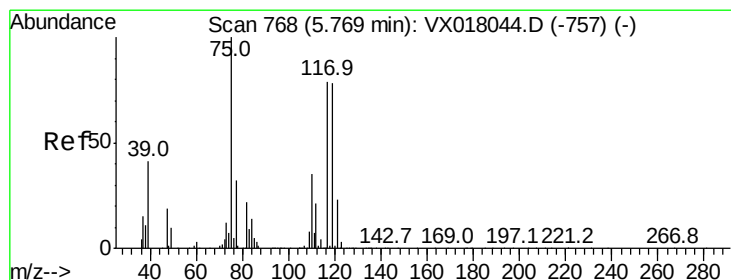
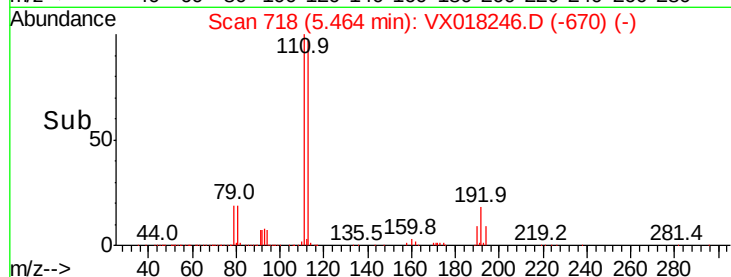
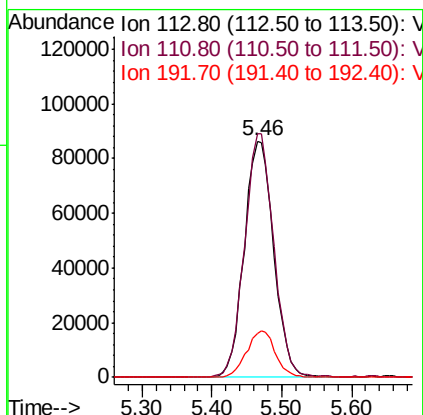
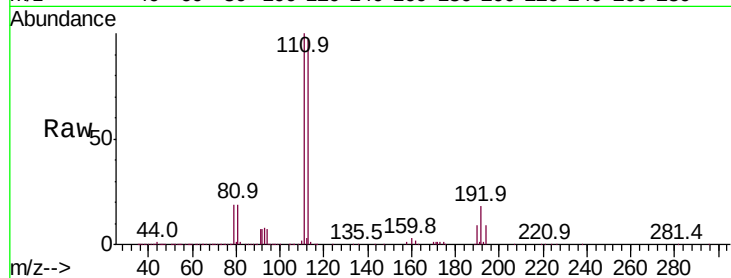




#35
 Dibromofluoromethane
 Concen: 52.386 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018246.D
 Acq: 03 Sep 2020 19:32

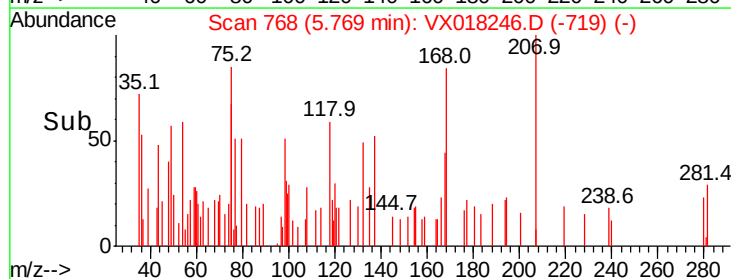
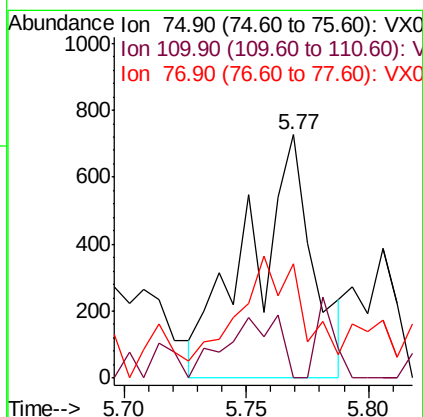
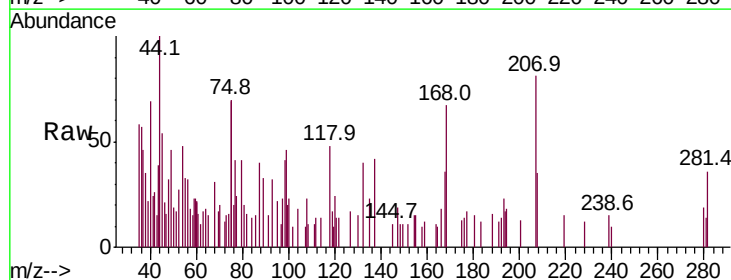
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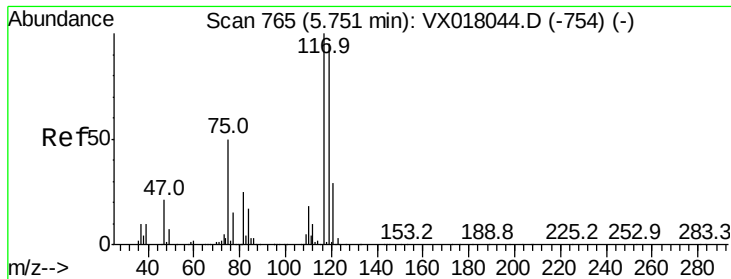
Tot Ion:113 Resp: 252764
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.6 122.4
 192 19.3 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 0.200 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX018246.D
 Acq: 03 Sep 2020 19:32

Tgt Ion: 75 Resp: 1309
 Ion Ratio Lower Upper
 75 100
 110 21.5 18.0 54.0
 77 53.7 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 6.403 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Instrument :

MSVOA_X

ClientSampled :

1576

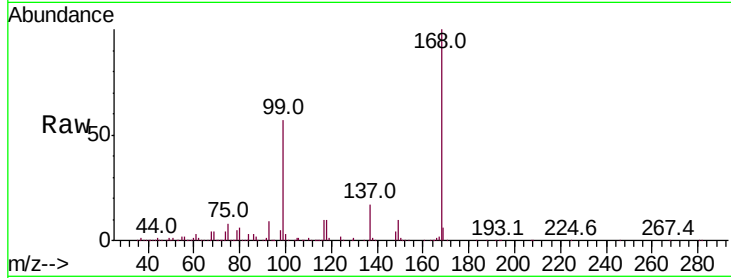
Tot Ion:117 Resp: 47154

Ion Ratio Lower Upper

117 100

119 11.2 75.8 113.6#

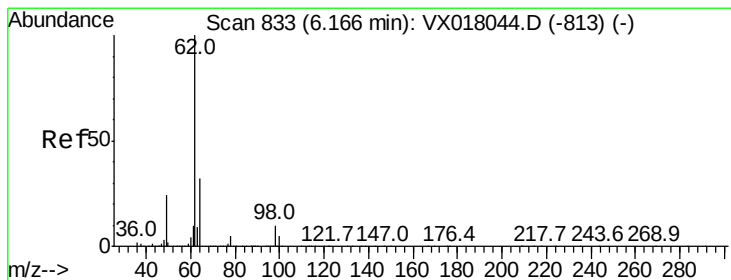
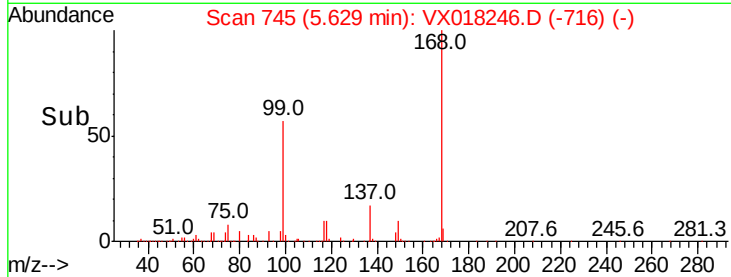
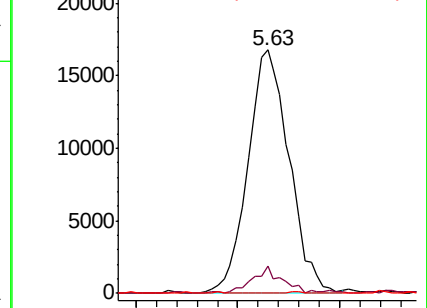
121 0.0 23.4 35.0#



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



#42

1,2-Dichloroethane

Concen: 0.228 ug/l

RT: 6.16 min Scan# 832

Delta R.T. -0.01 min

Lab File: VX018246.D

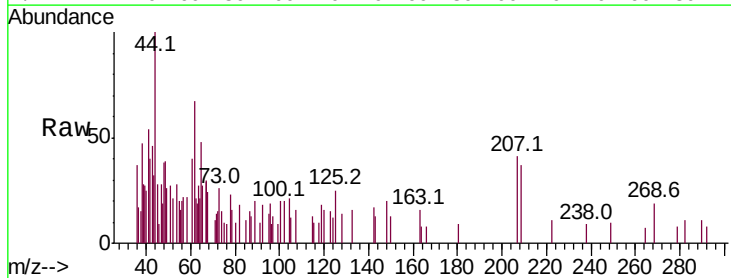
Acq: 03 Sep 2020 19:32

Tgt Ion: 62 Resp: 1674

Ion Ratio Lower Upper

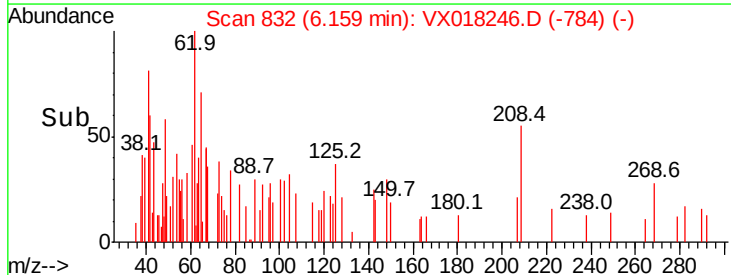
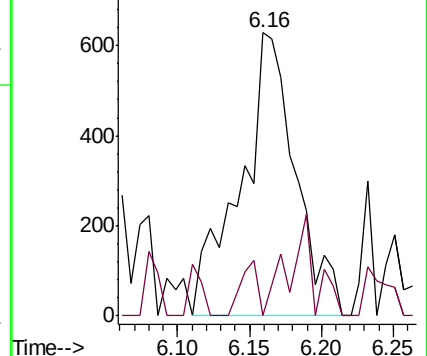
62 100

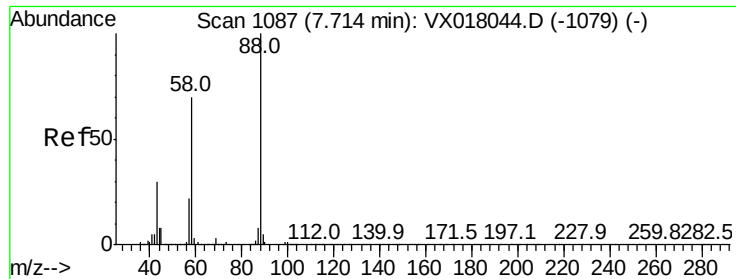
98 5.9 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#49

1,4-Dioxane

Concen: 1.321 ug/l

RT: 7.68 min Scan# 1082

Delta R.T. -0.03 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Instrument :

MSVOA_X

ClientSampled :

1576

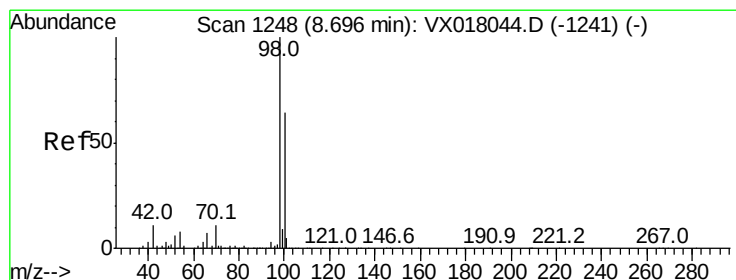
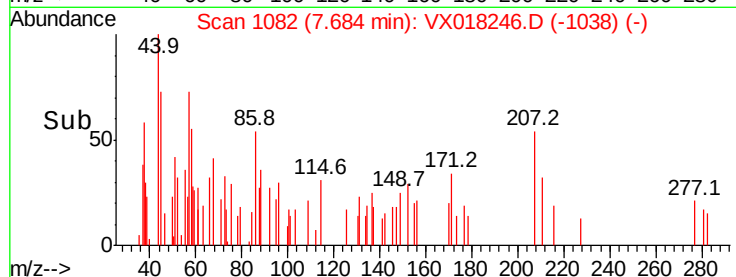
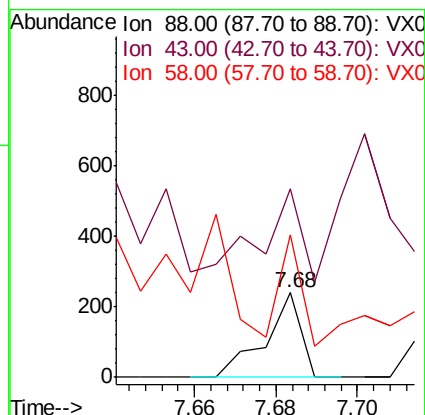
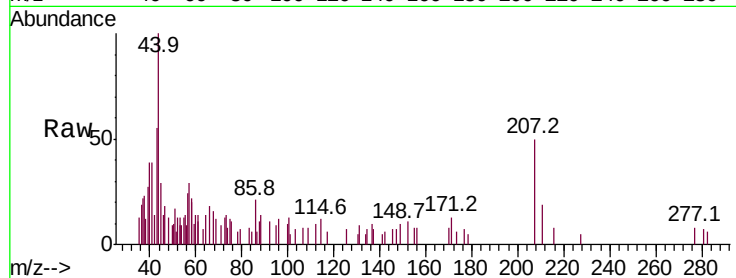
Tot Ion: 88 Resp: 146

Ion Ratio Lower Upper

88 100

43 250.0 27.4 41.0#

58 113.0 56.4 84.6#



#50

Toluene-d8

Concen: 47.944 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018246.D

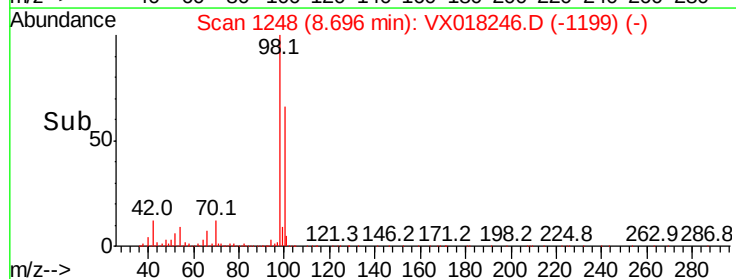
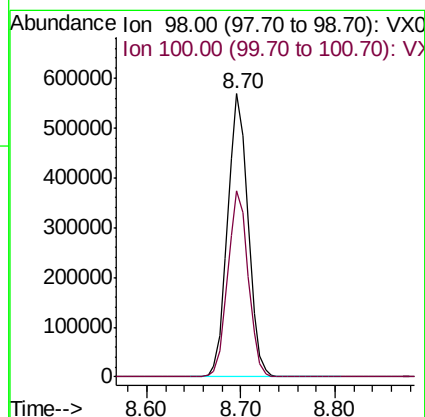
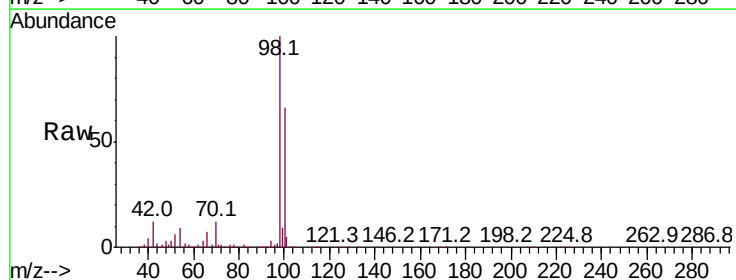
Acq: 03 Sep 2020 19:32

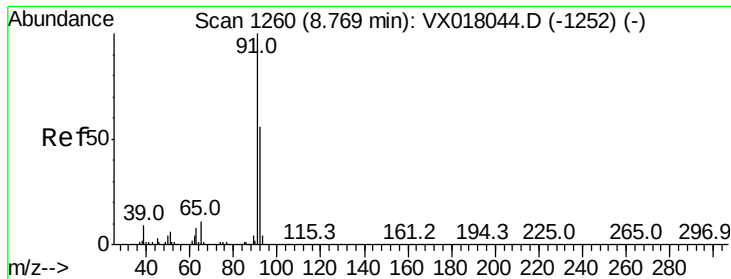
Tgt Ion: 98 Resp: 861595

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.4





#52

Toluene

Concen: 0.236 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Instrument :

MSVOA_X

ClientSampleId :

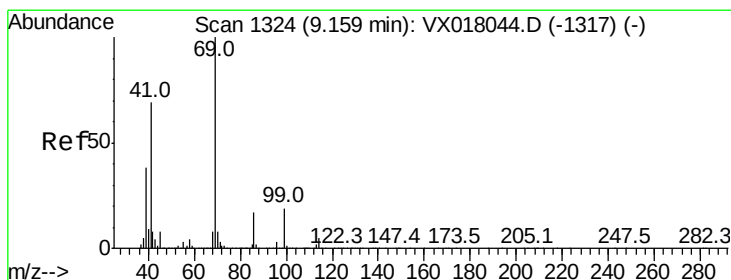
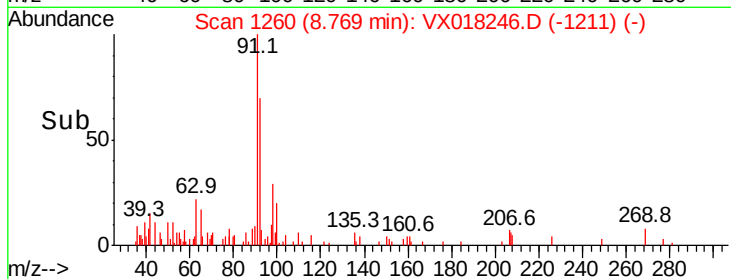
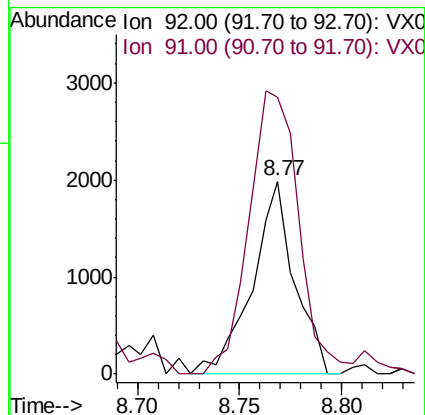
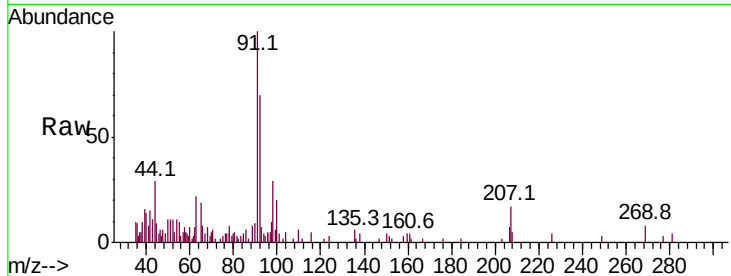
1576

Tot Ion: 92 Resp: 2873

Ion Ratio Lower Upper

92 100

91 173.2 140.3 210.5



#56

Ethyl methacrylate

Concen: 0.276 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

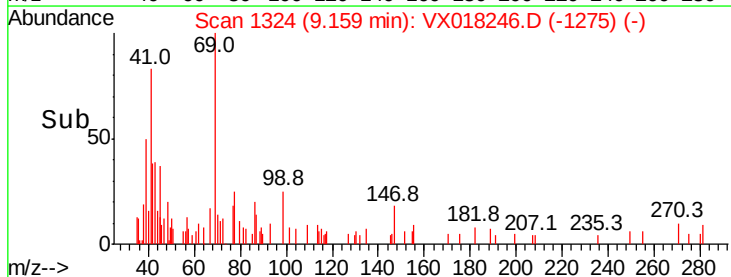
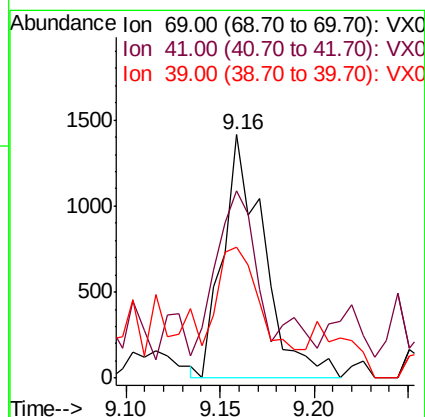
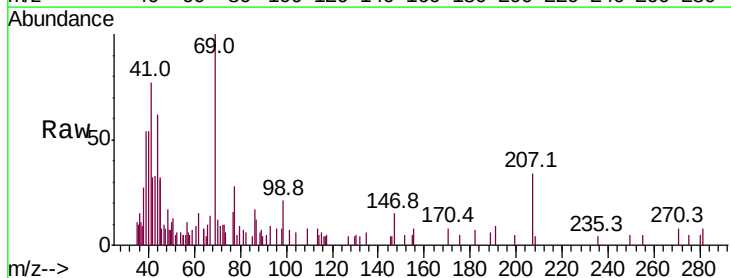
Tgt Ion: 69 Resp: 2133

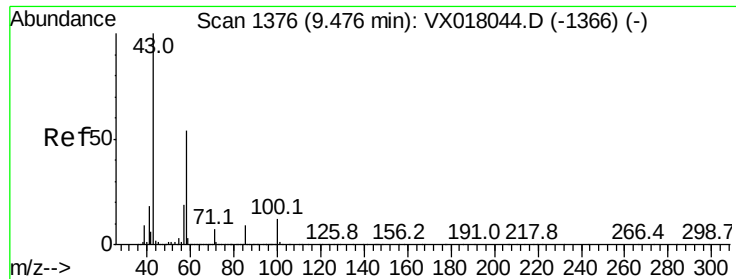
Ion Ratio Lower Upper

69 100

41 66.2 54.6 81.8

39 39.7 29.1 43.7

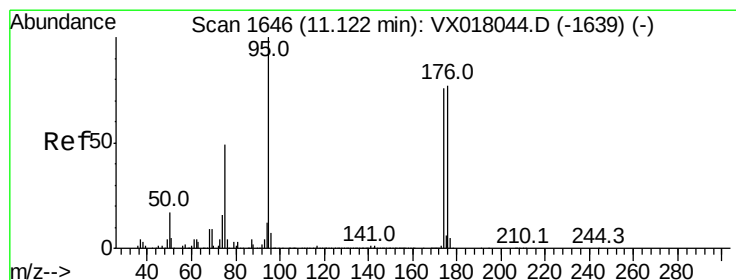
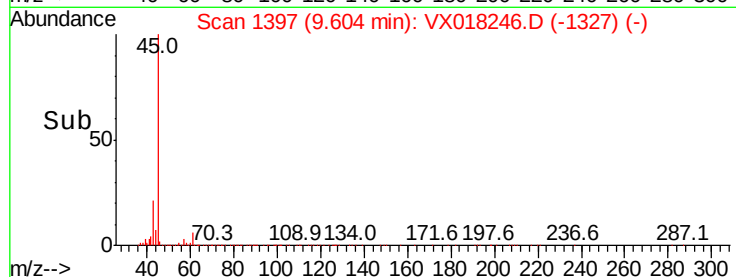
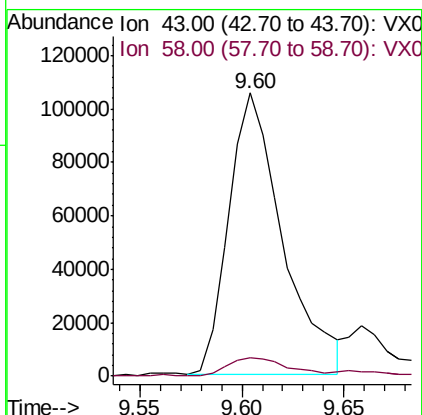
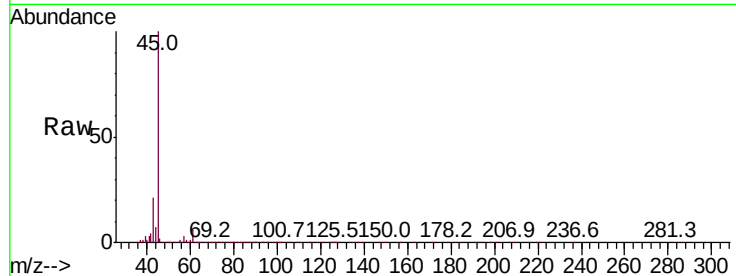




#59
2-Hexanone
Concen: 33.696 ug/l
RT: 9.60 min Scan# 1397
Delta R.T. 0.13 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

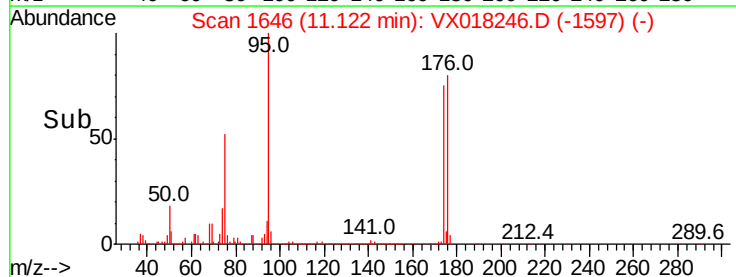
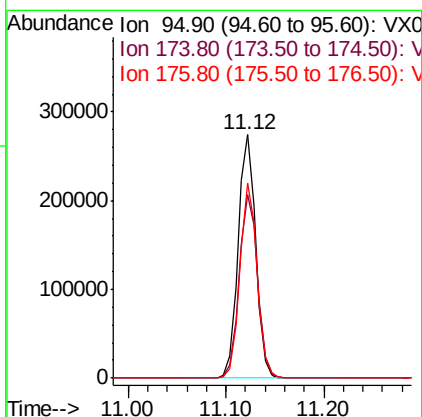
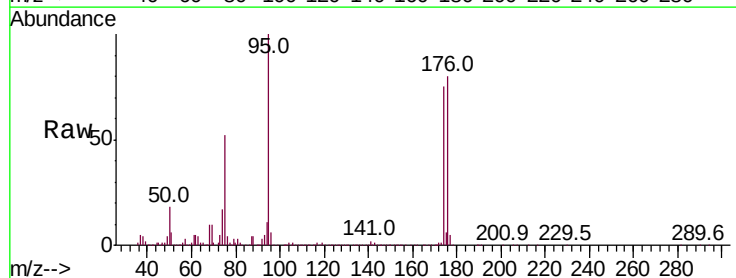
Instrument :
MSVOA_X
ClientSampleId :
1576

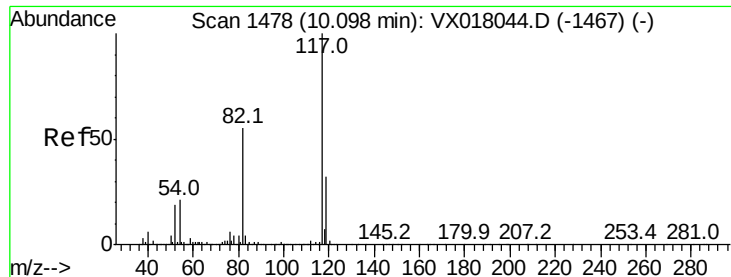
Tot Ion: 43 Resp: 194013
Ion Ratio Lower Upper
43 100
58 7.1 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 48.085 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

Tgt Ion: 95 Resp: 339983
Ion Ratio Lower Upper
95 100
174 78.7 0.0 160.2
176 78.5 0.0 155.8

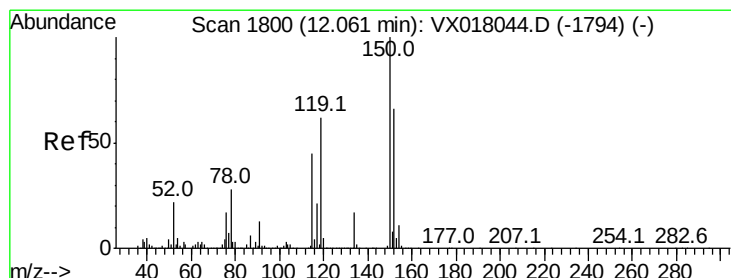
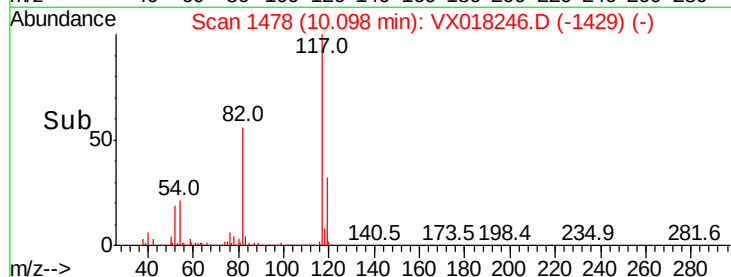
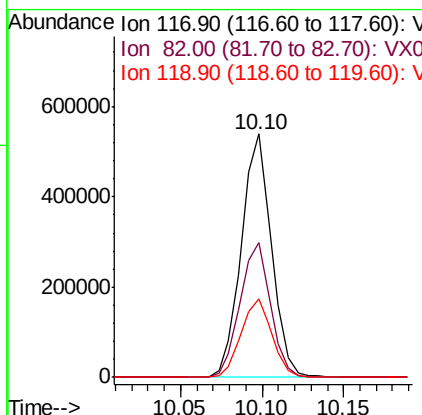
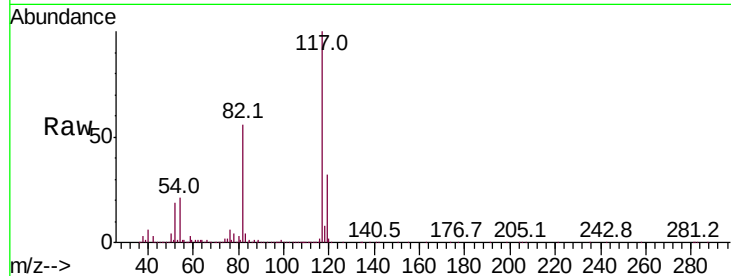




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

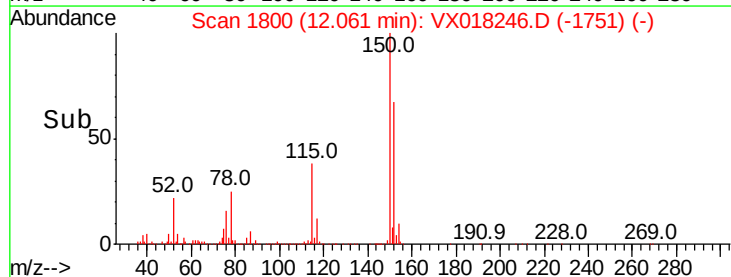
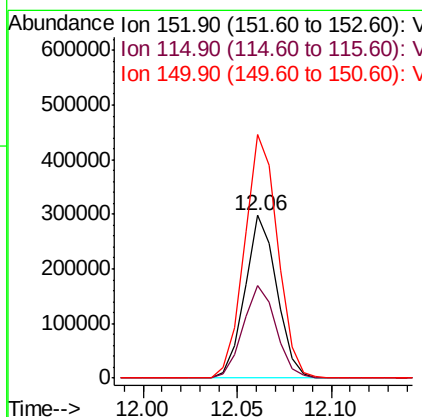
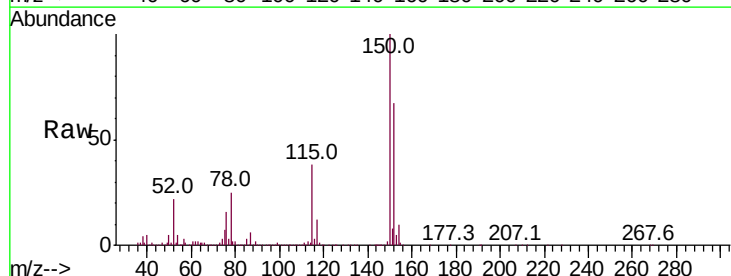
Instrument :
MSVOA_X
ClientSampleId :
1576

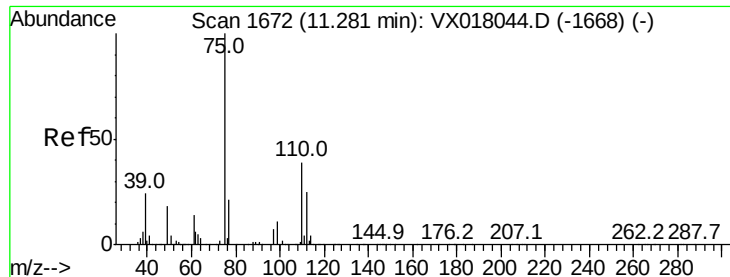
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.2	66.2
119	32.4	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	41.5	124.5
150	155.2	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.724 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Instrument :

MSVOA_X

ClientSampleId :

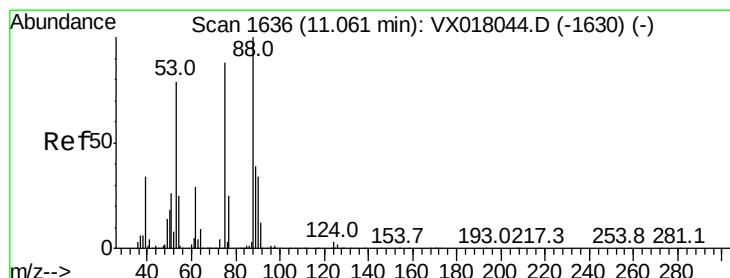
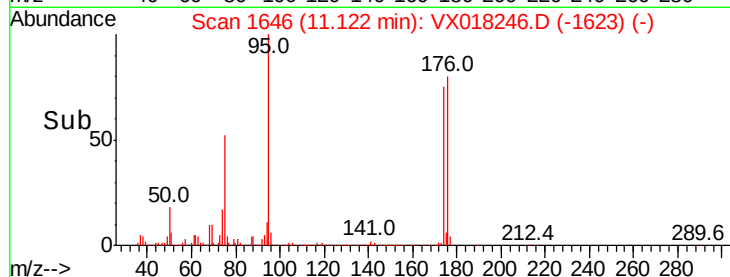
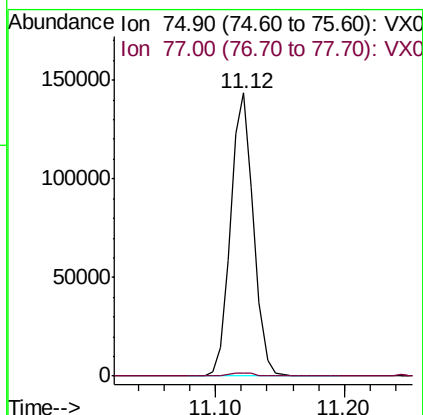
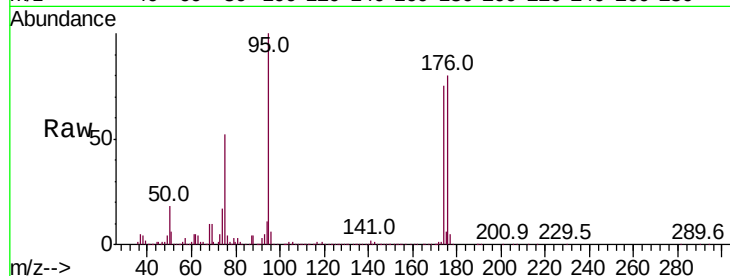
1576

Tot Ion: 75 Resp: 177354

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.373 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

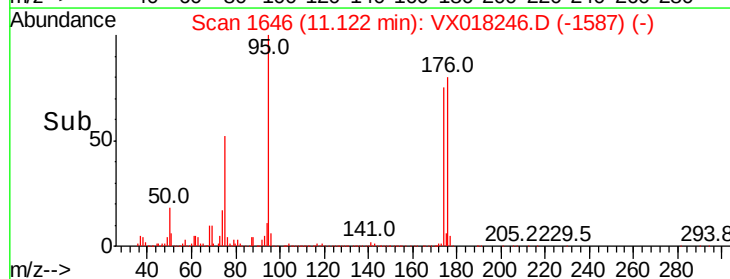
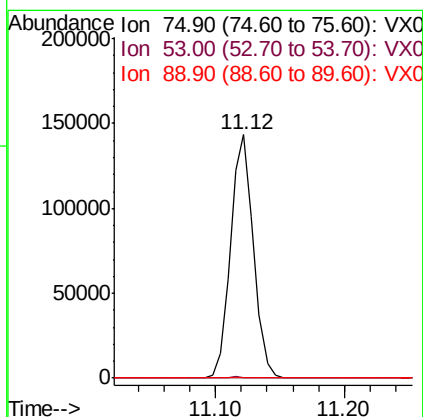
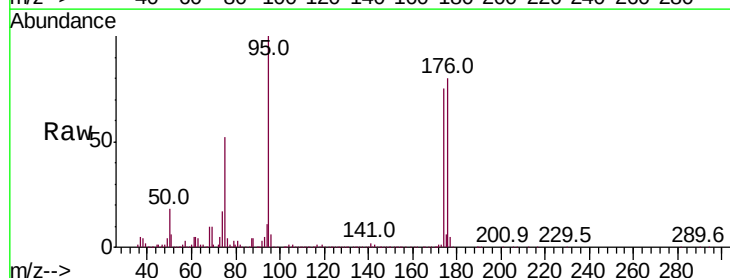
Tgt Ion: 75 Resp: 177354

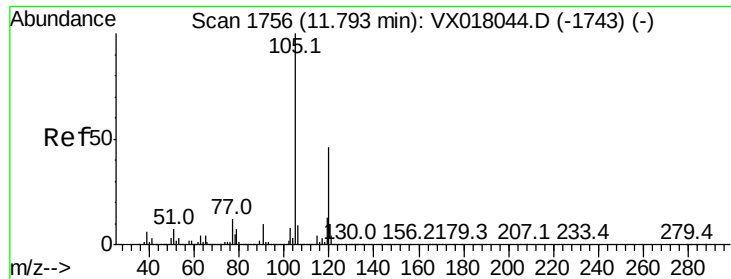
Ion Ratio Lower Upper

75 100

53 0.4 74.7 112.1#

89 0.1 36.6 54.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.215 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Instrument :

MSVOA_X

ClientSampleId :

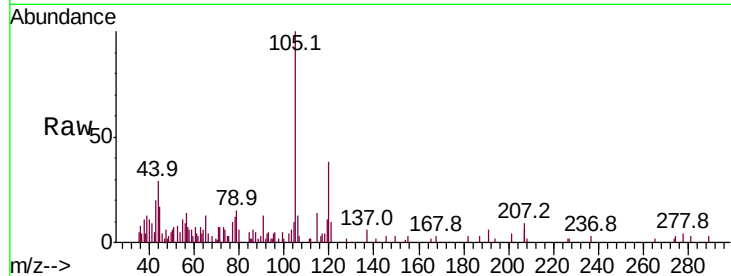
1576

Tot Ion:105 Resp: 4177

Ion Ratio Lower Upper

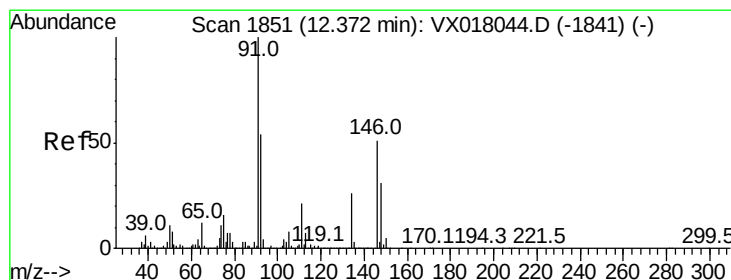
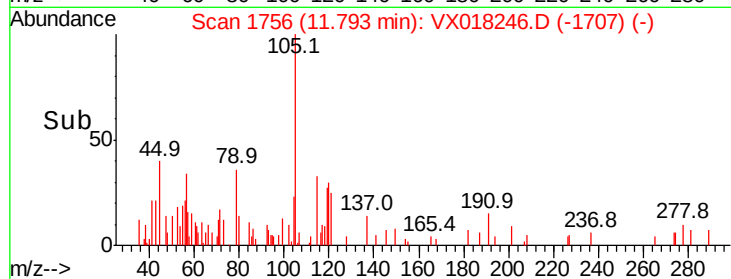
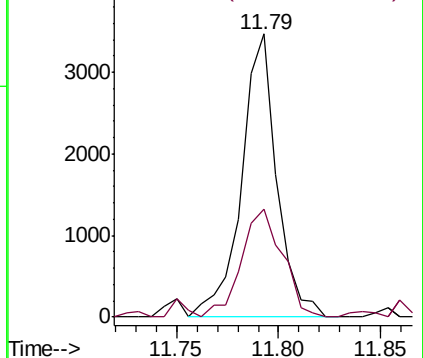
105 100

120 44.5 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#89

n-Butylbenzene

Concen: 0.212 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

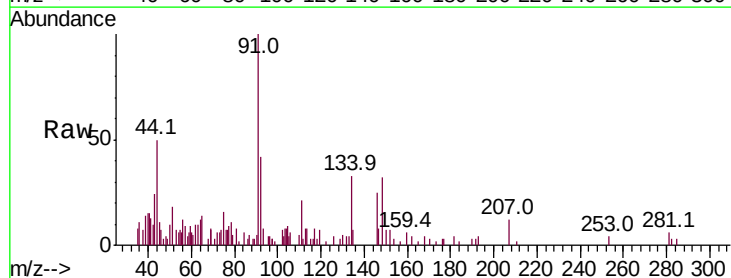
Tgt Ion: 91 Resp: 3797

Ion Ratio Lower Upper

91 100

92 53.8 26.4 79.2

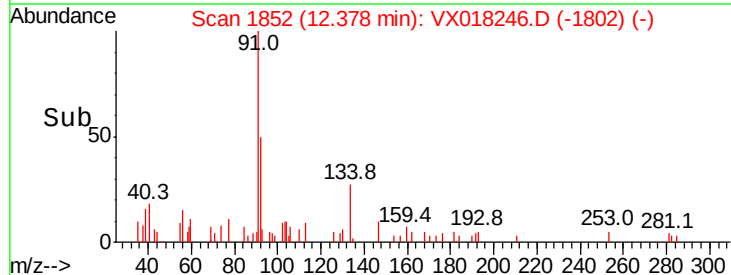
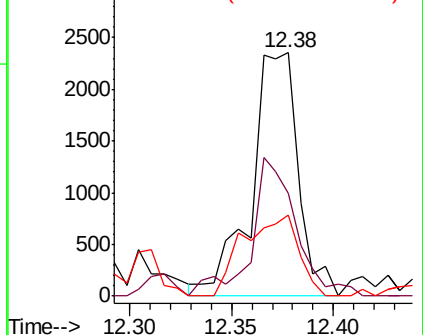
134 38.8 12.9 38.7#

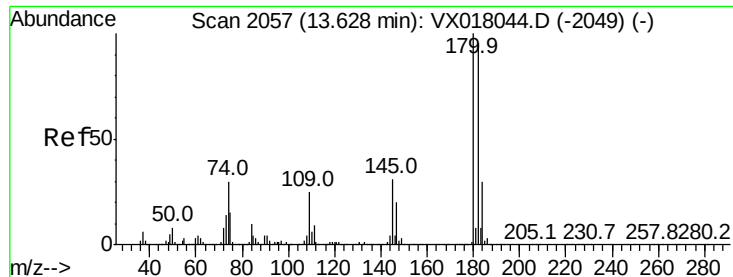


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

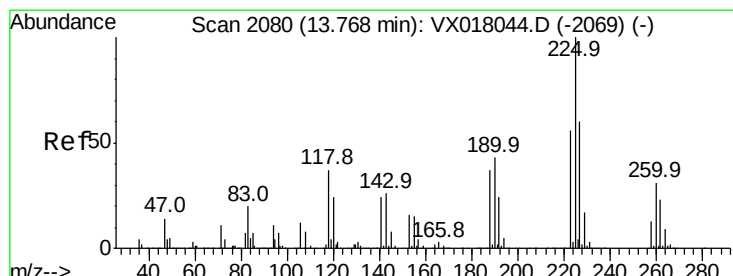
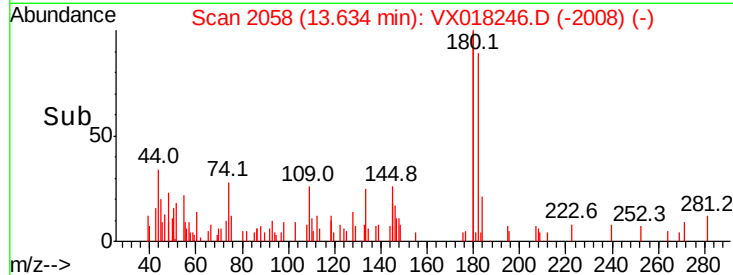
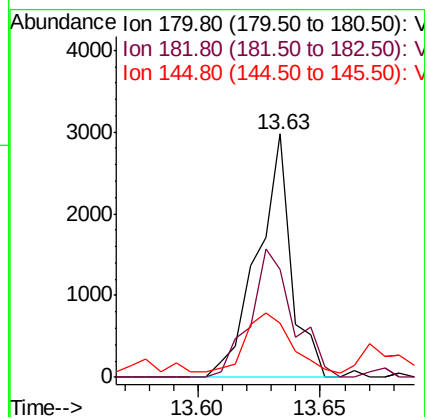
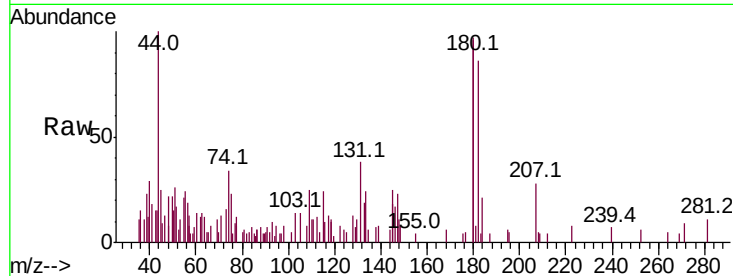




#93
1,2,4-Trichlorobenzene
Concen: 0.405 ug/l
RT: 13.63 min Scan# 2058
Delta R.T. 0.01 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

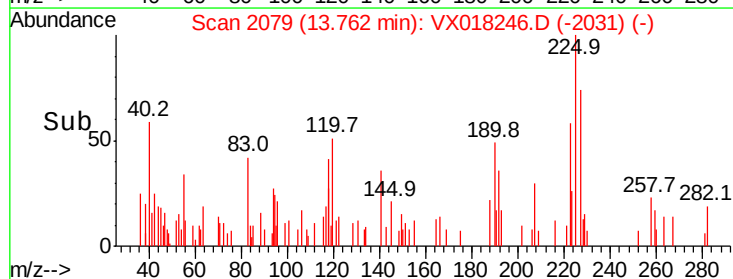
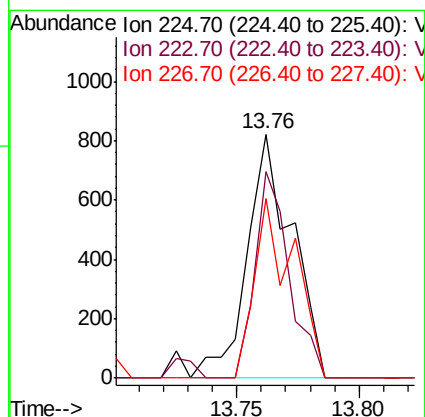
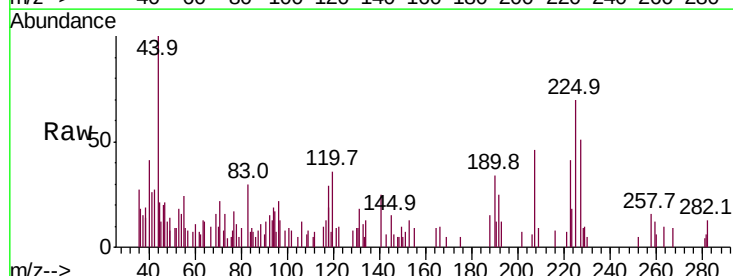
Instrument :
MSVOA_X
ClientSampleId :
1576

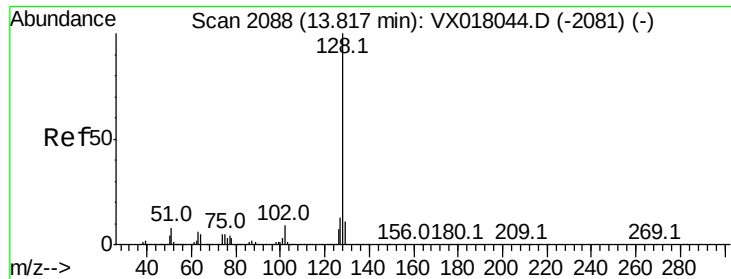
Tot Ion	Ratio	Lower	Upper
180	100		
182	67.8	47.5	142.6
145	33.9	15.7	47.1



#94
Hexachlorobutadiene
Concen: 0.376 ug/l
RT: 13.76 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX018246.D
Acq: 03 Sep 2020 19:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	30.7	92.1
227	64.7	32.6	97.8





#95

Naphthalene

Concen: 14.952 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018246.D

Acq: 03 Sep 2020 19:32

Instrument :

MSVOA_X

ClientSampleId :

1576

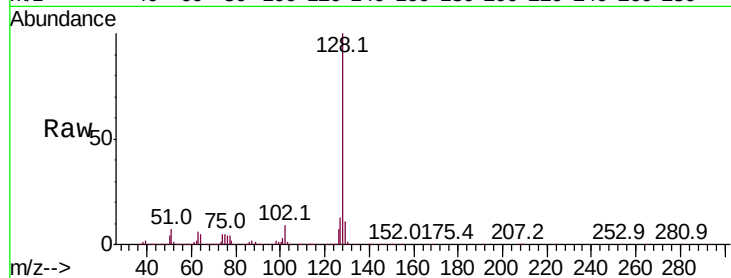
Tot Ion:128 Resp: 346905

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.1 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

