

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018300.D
 Acq On : 09 Sep 2020 01:53
 Operator : JC/SP
 Sample : L3808-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B44-090320-19-20

Quant Time: Sep 09 02:49:52 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	435907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	719616	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	710608	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	352767	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	322536	53.30	ug/l	0.00
Spiked Amount			Recovery	=	106.60%	
35) Dibromofluoromethane	5.47	113	248161	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
50) Toluene-d8	8.70	98	898241	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.12	95	340579	47.42	ug/l	0.00
Spiked Amount			Recovery	=	94.84%	

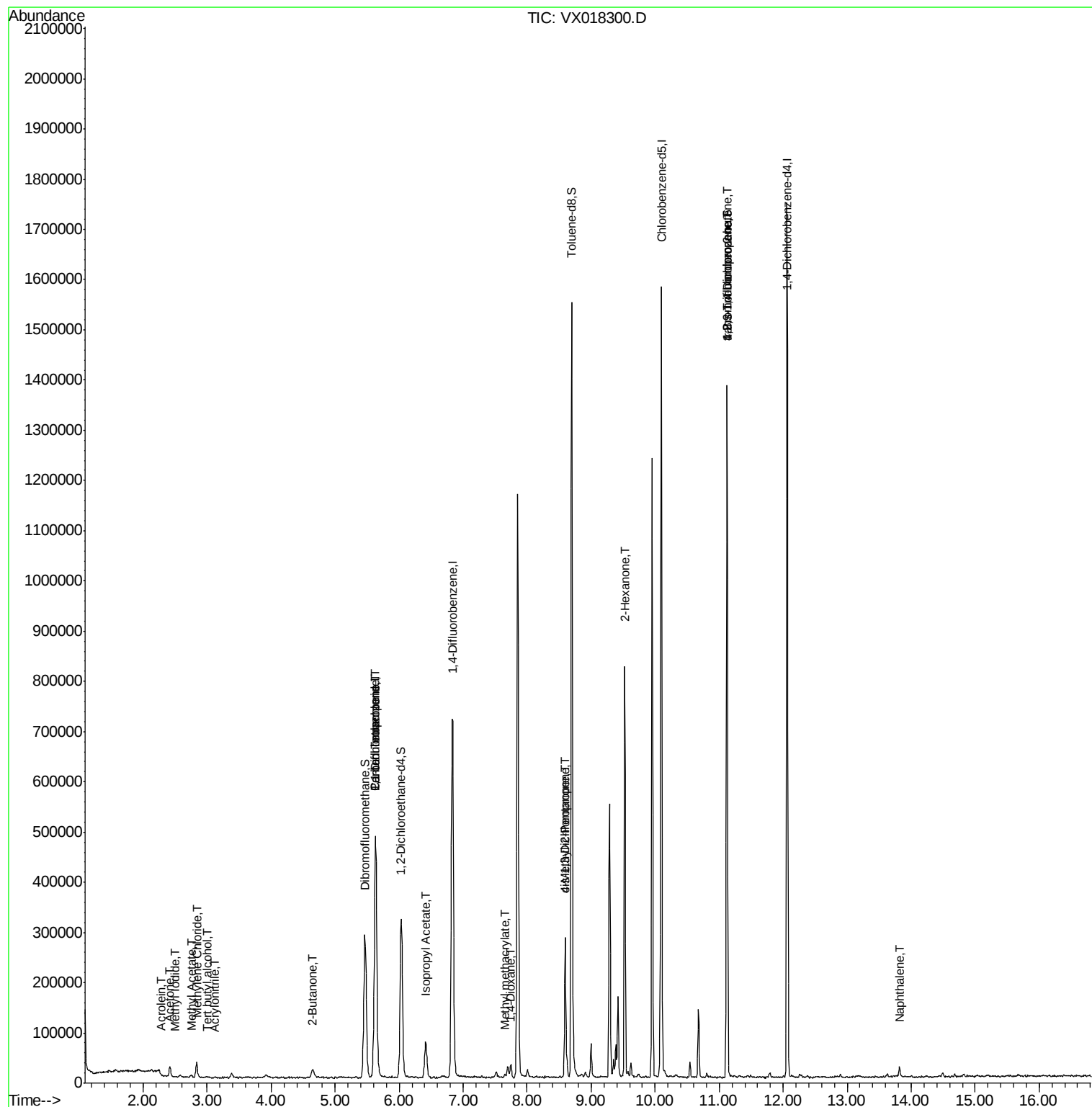
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	450	5.378	ug/l #	94
11) Tert butyl alcohol	3.00	59	1586	1.348	ug/l #	42
13) Acrolein	2.29	56	385	0.789	ug/l	84
15) Acrylonitrile	3.12	53	539	0.202	ug/l #	76
16) Acetone	2.42	43	23495	9.964	ug/l	90
18) Methyl Acetate	2.75	43	5878	1.033	ug/l	97
20) Methylene Chloride	2.84	84	14030	1.784	ug/l	90
25) 2-Butanone	4.64	43	7431	1.918	ug/l	95
36) 1,1-Dichloropropene	5.63	75	34604	5.214	ug/l #	51
38) Carbon Tetrachloride	5.64	117	47447	6.343	ug/l #	16
43) Isopropyl Acetate	6.42	43	94177	7.564	ug/l	99
48) Methyl methacrylate	7.66	41	6782	1.094	ug/l #	17
49) 1,4-Dioxane	7.73	88	413	3.678	ug/l #	23
51) 4-Methyl-2-Pentanone	8.60	43	106568	13.856	ug/l #	45
54) cis-1,3-Dichloropropene	8.59	75	45577	5.260	ug/l #	62
59) 2-Hexanone	9.52	43	90901	15.543	ug/l #	53
76) 1,2,3-Trichloropropane	11.12	75	174293	22.210	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	174293	59.986	ug/l #	12
95) Naphthalene	13.82	128	12661	0.543	ug/l #	92

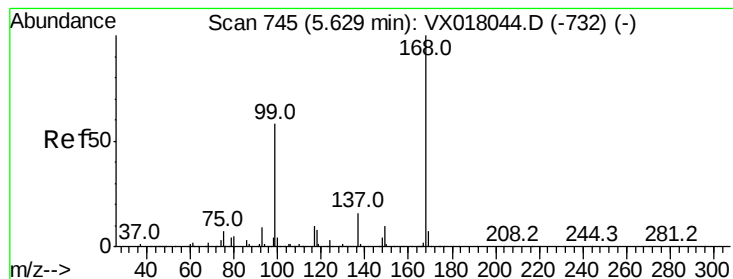
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX090820\
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PAV-B44-090320-19-20

Quant Time: Sep 09 02:49:52 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: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

Instrument :

MSVOA_X

ClientSampleId :

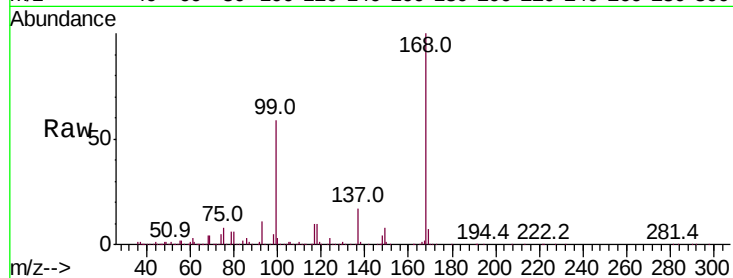
PAV-B44-090320-19-20

Tot Ion:168 Resp: 435907

Ion Ratio Lower Upper

168 100

99 59.3 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

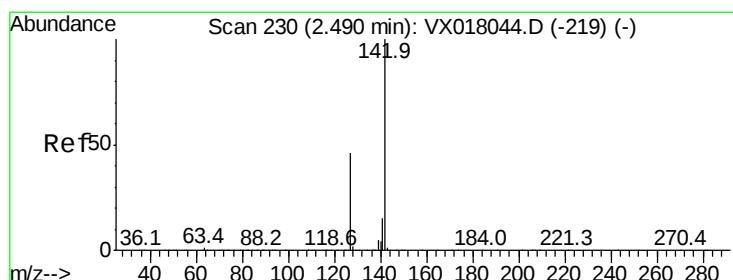
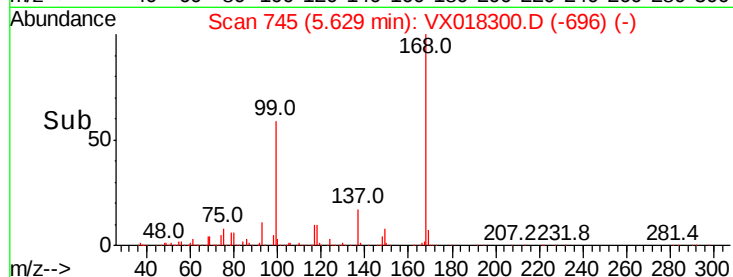
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 5.378 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

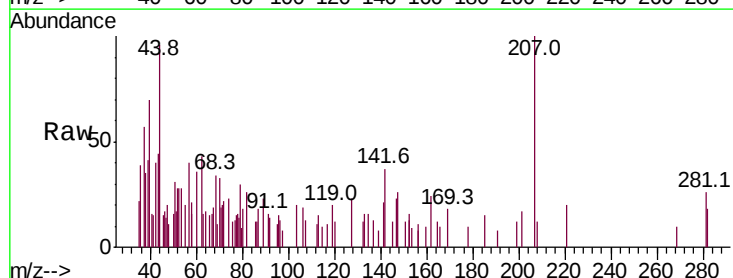
Tgt Ion:142 Resp: 450

Ion Ratio Lower Upper

142 100

127 45.1 37.0 55.6

141 21.8 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

400

300

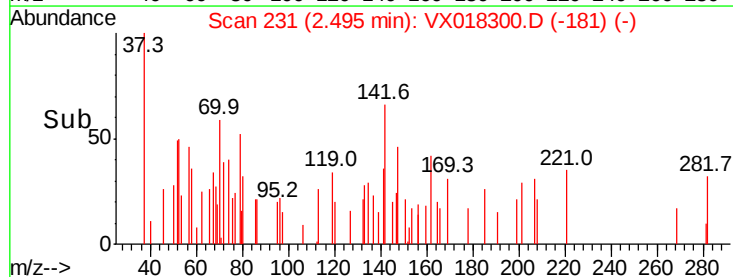
200

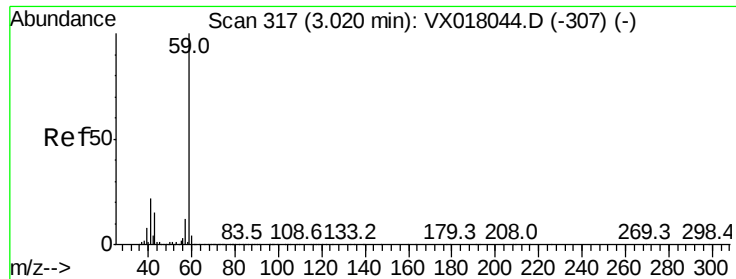
100

0

Time-->

2.45 2.50 2.55

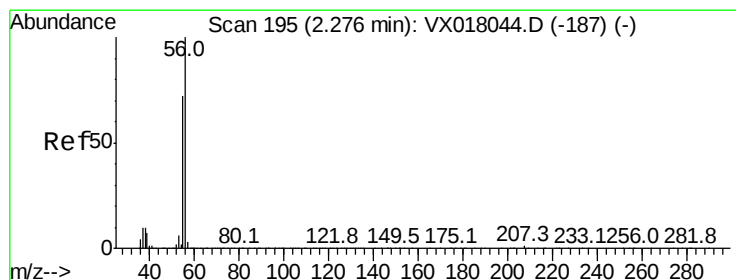
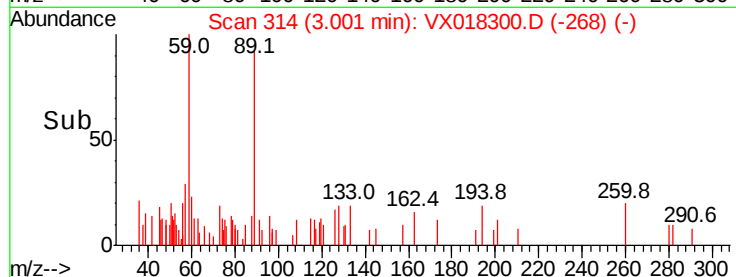
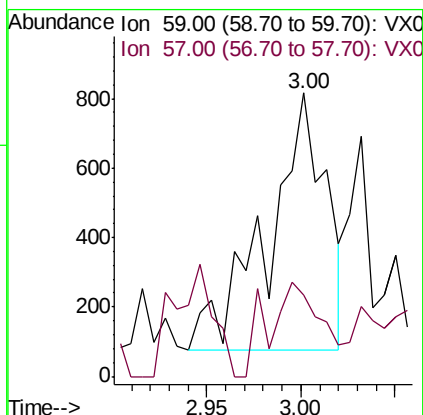
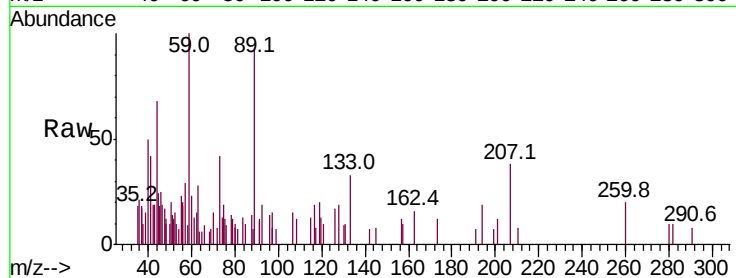




#11
Tert butvl alcohol
Concen: 1.348 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX018300.D
Acq: 09 Sep 2020 01:53

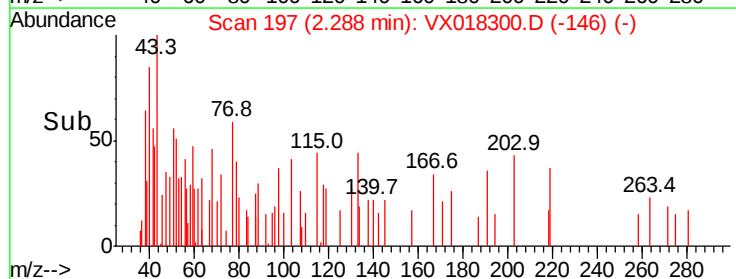
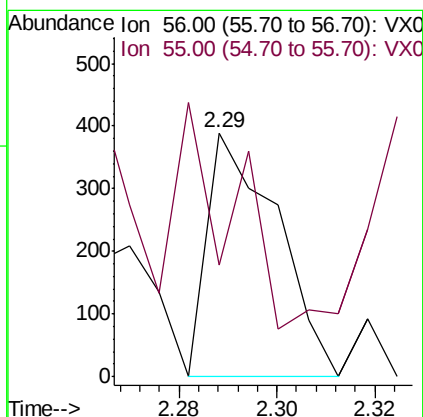
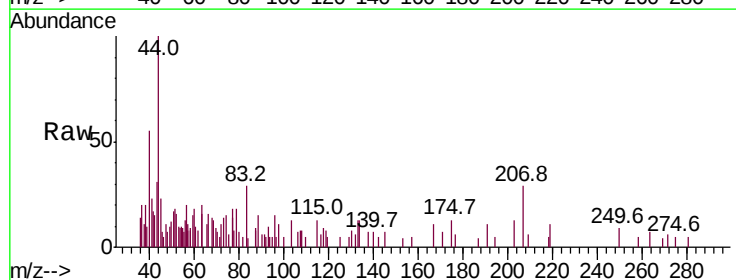
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-19-20

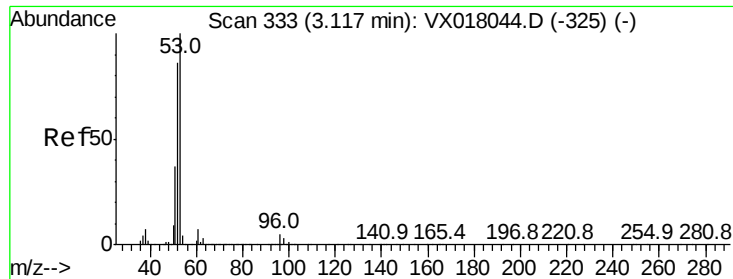
Tot Ion: 59 Resp: 1586
Ion Ratio Lower Upper
59 100
57 33.3 8.9 13.3#



#13
Acrolein
Concen: 0.789 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018300.D
Acq: 09 Sep 2020 01:53

Tgt Ion: 56 Resp: 385
Ion Ratio Lower Upper
56 100
55 84.2 57.0 85.6





#15

Acrylonitrile

Concen: 0.202 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-19-20

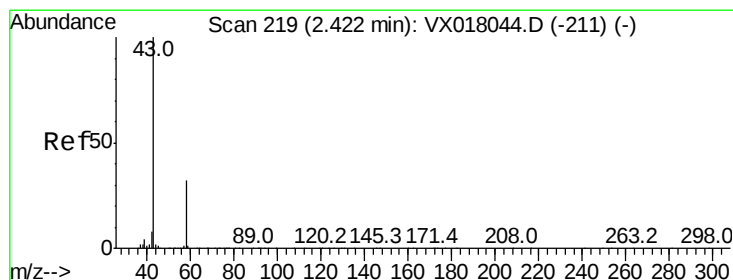
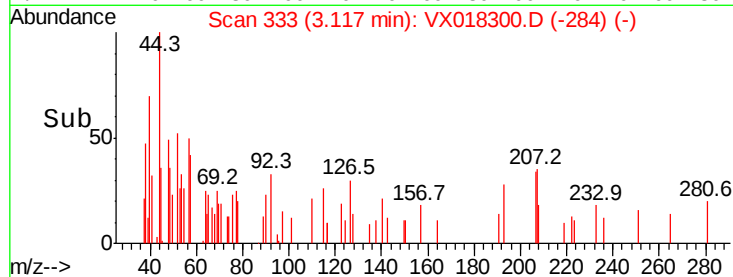
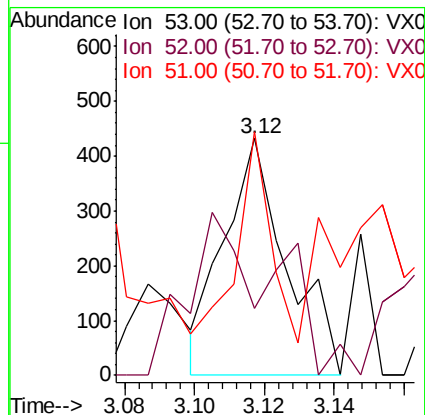
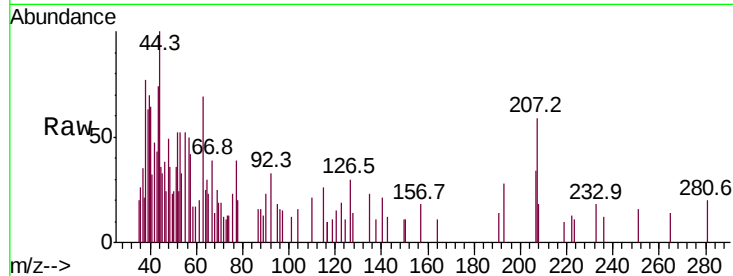
Tot Ion: 53 Resp: 539

Ion Ratio Lower Upper

53 100

52 94.8 66.9 100.3

51 66.6 28.7 43.1#



#16

Acetone

Concen: 9.964 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX018300.D

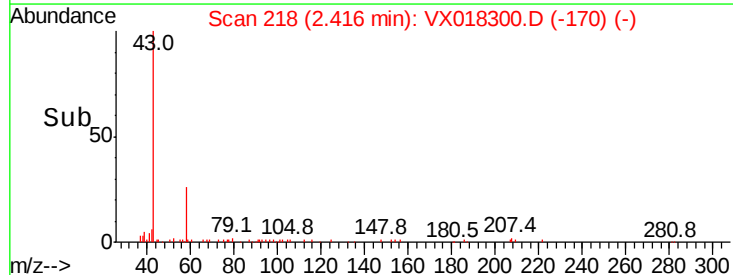
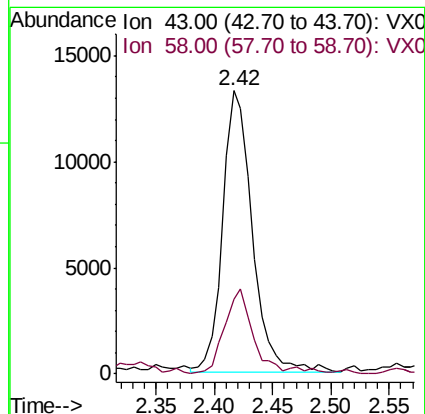
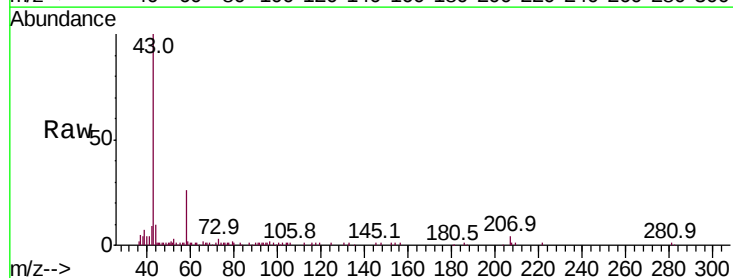
Acq: 09 Sep 2020 01:53

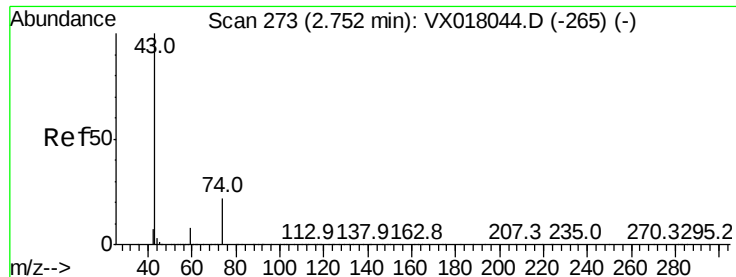
Tgt Ion: 43 Resp: 23495

Ion Ratio Lower Upper

43 100

58 26.5 25.5 38.3

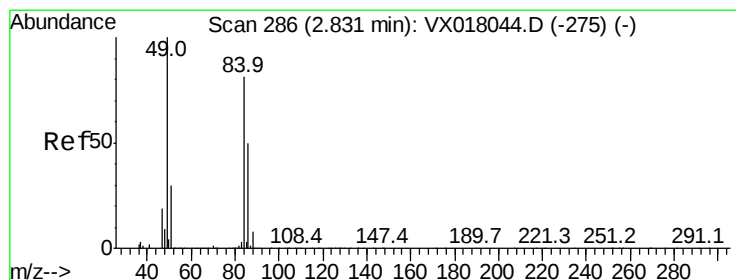
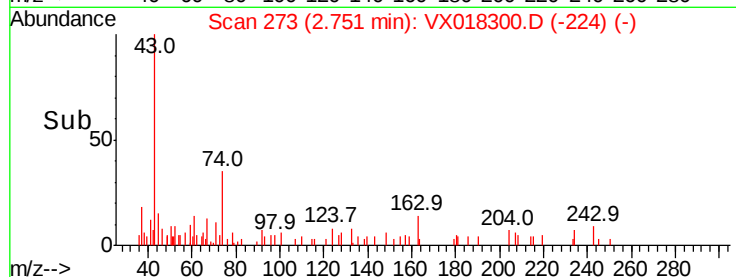
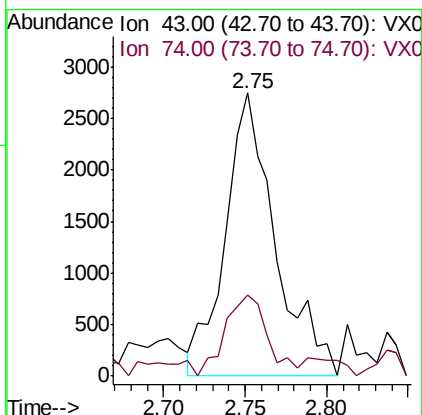
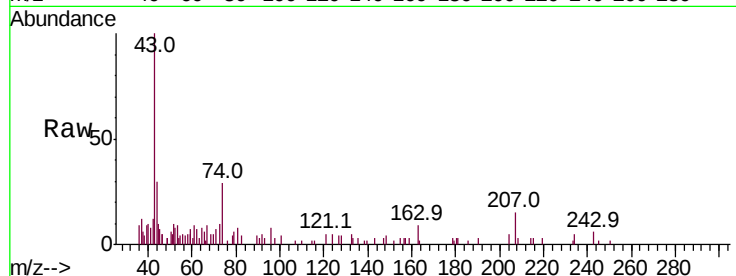




#18
Methvl Acetate
Concen: 1.033 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018300.D
Acq: 09 Sep 2020 01:53

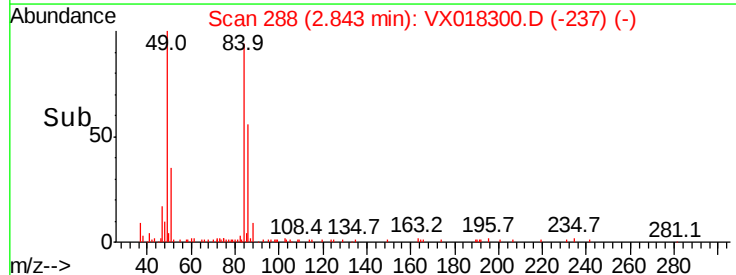
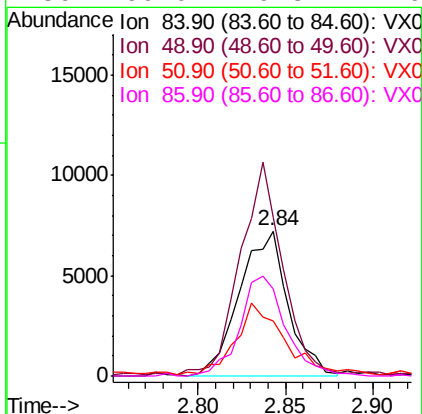
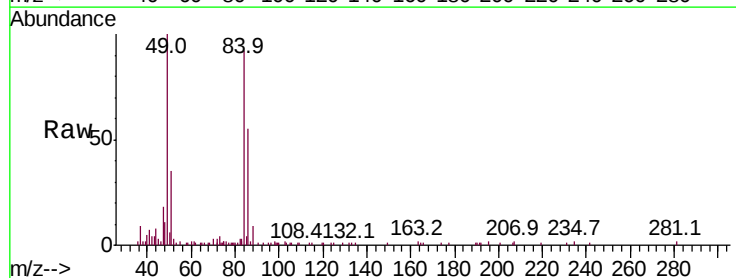
Instrument :
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ClientSampleId :
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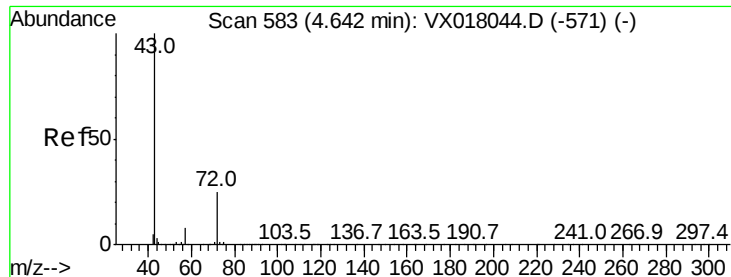
Tot Ion: 43 Resp: 5878
Ion Ratio Lower Upper
43 100
74 24.2 18.2 27.4



#20
Methylene Chloride
Concen: 1.784 ug/l
RT: 2.84 min Scan# 288
Delta R.T. 0.01 min
Lab File: VX018300.D
Acq: 09 Sep 2020 01:53

Tgt Ion: 84 Resp: 14030
Ion Ratio Lower Upper
84 100
49 106.4 98.6 148.0
51 35.3 29.6 44.4
86 60.0 49.8 74.6

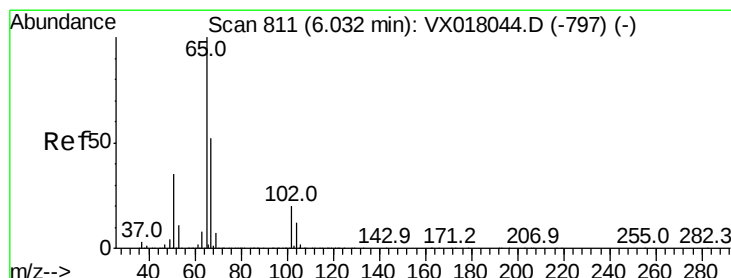
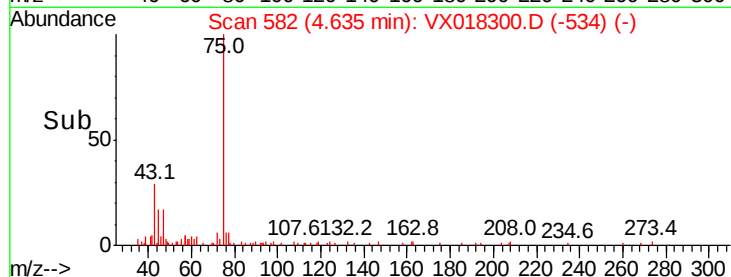
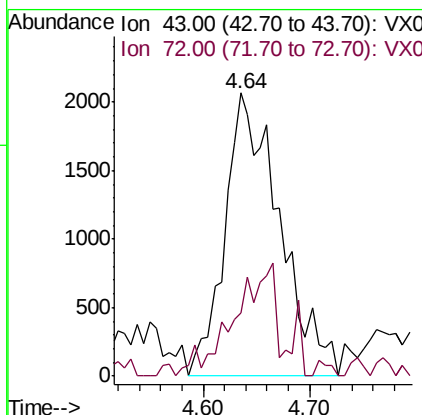
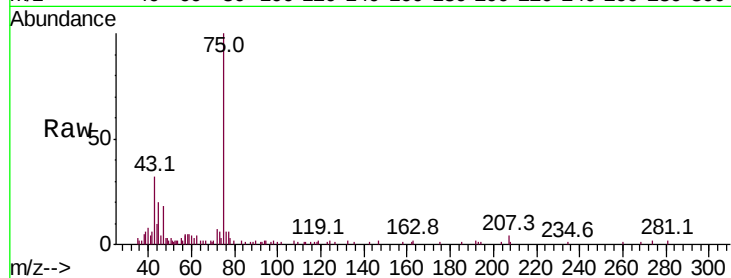




#25
2-Butanone
Concen: 1.918 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX018300.D
Acq: 09 Sep 2020 01:53

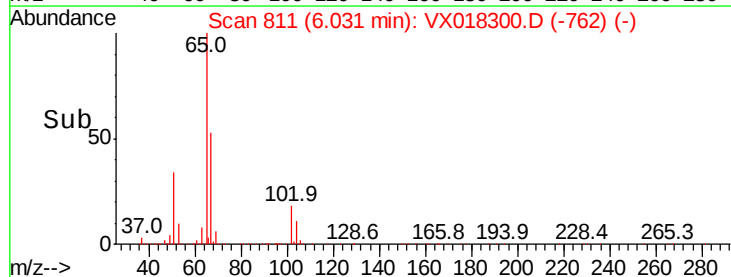
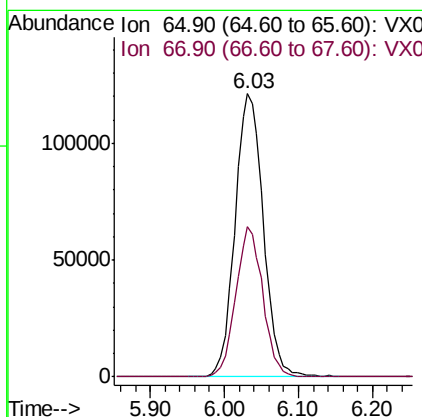
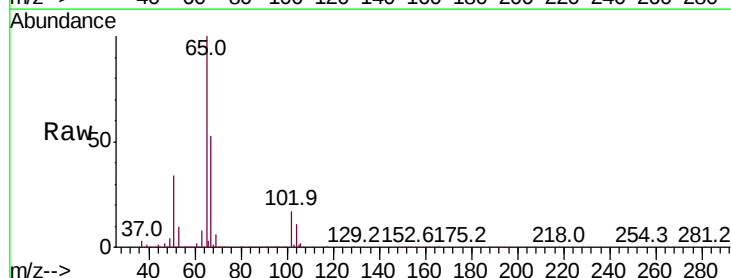
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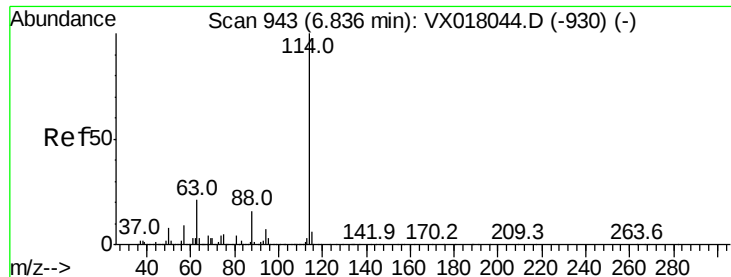
Tot Ion: 43 Resp: 7431
Ion Ratio Lower Upper
43 100
72 22.1 19.8 29.6



#33
1,2-Dichloroethane-d4
Concen: 53.298 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018300.D
Acq: 09 Sep 2020 01:53

Tgt Ion: 65 Resp: 322536
Ion Ratio Lower Upper
65 100
67 50.3 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: VX018300.D

Acq: 09 Sep 2020 01:53

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-19-20

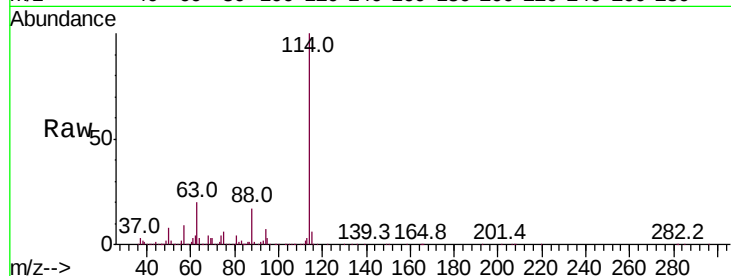
Tot Ion:114 Resp: 719616

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

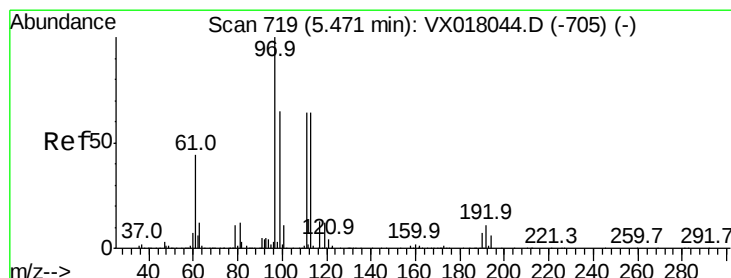
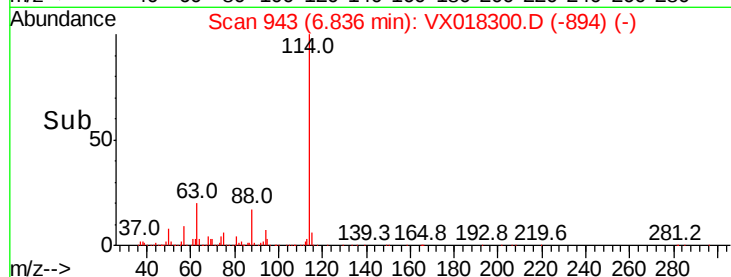
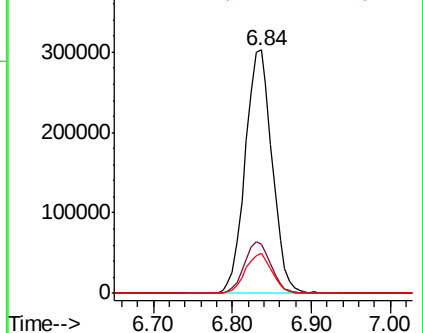
88 16.5 0.0 31.8



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: 50.635 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

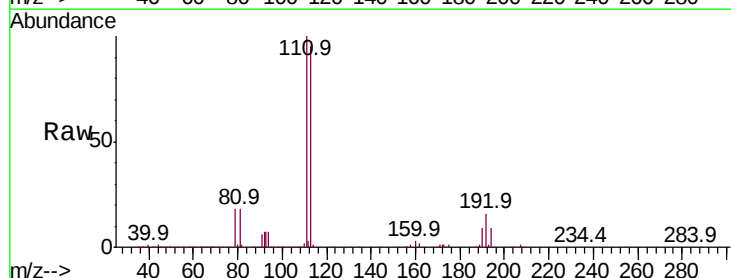
Tgt Ion:113 Resp: 248161

Ion Ratio Lower Upper

113 100

111 104.0 81.6 122.4

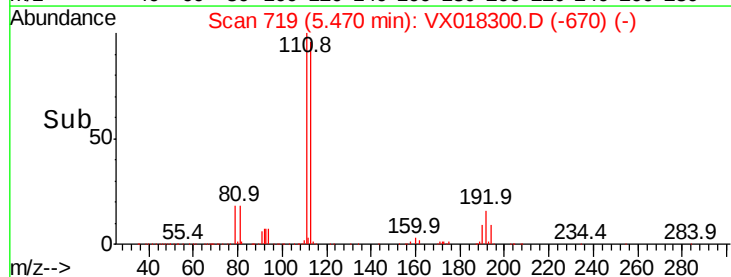
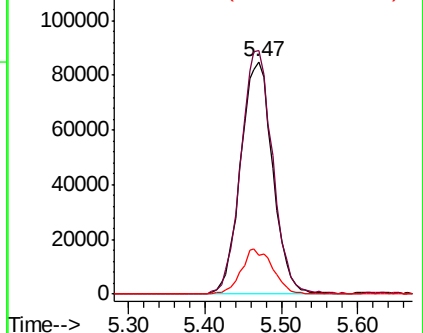
192 19.3 15.8 23.8

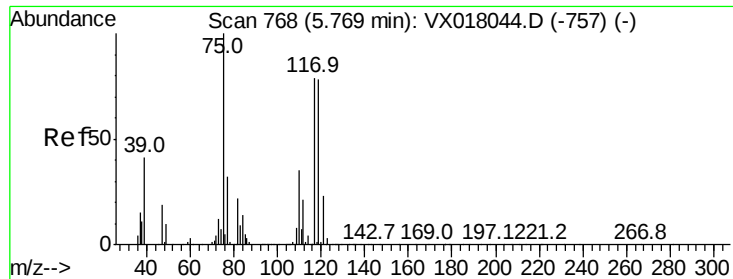


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

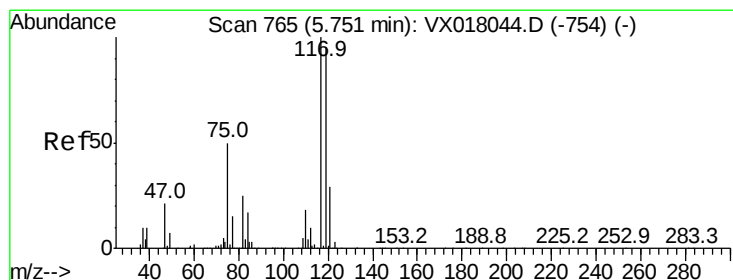
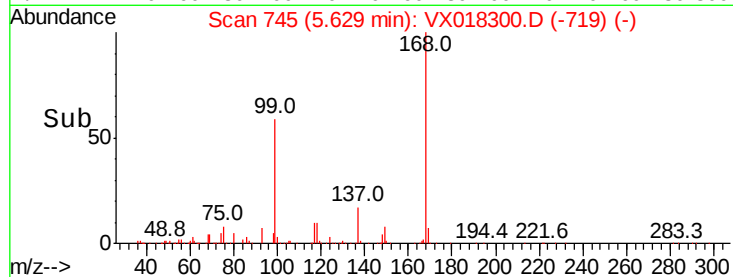
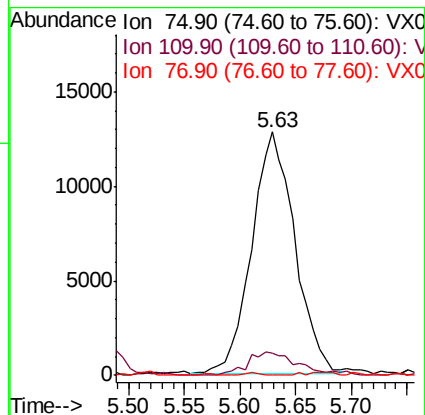
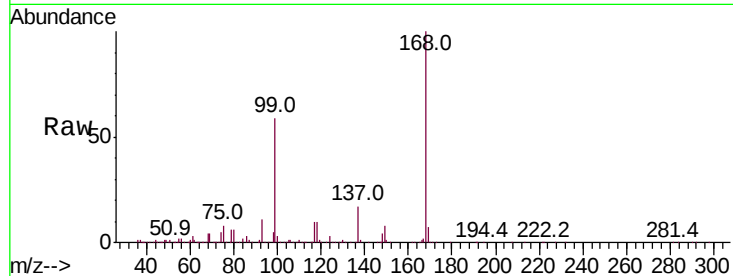




#36
 1,1-Dichloropropene
 Concen: 5.214 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018300.D
 Acq: 09 Sep 2020 01:53

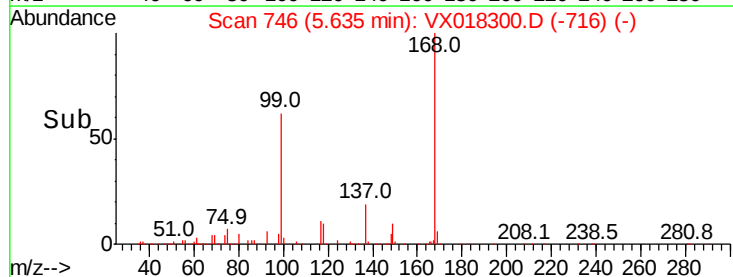
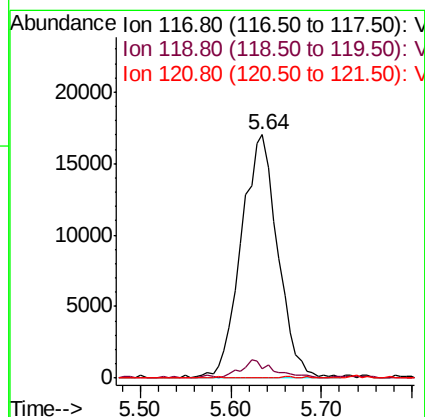
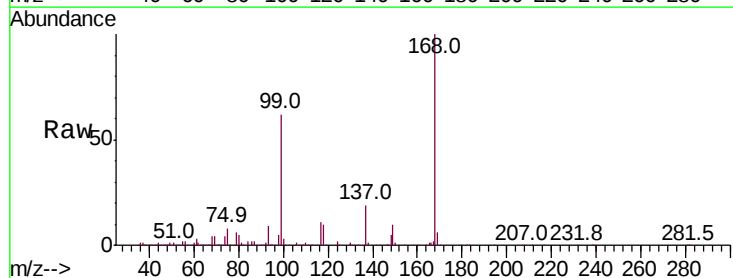
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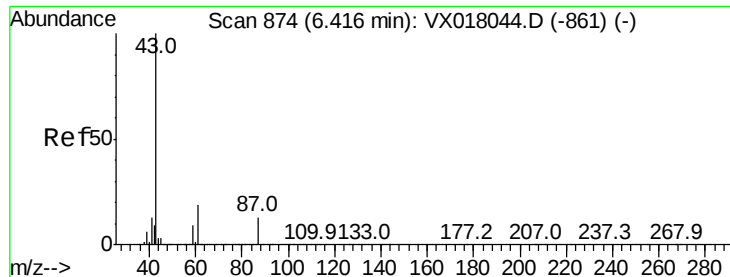
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.0	54.0#
77	0.4	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.343 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX018300.D
 Acq: 09 Sep 2020 01:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.8	113.6#
121	0.0	23.4	35.0#





#43

Isopropyl Acetate

Concen: 7.564 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-19-20

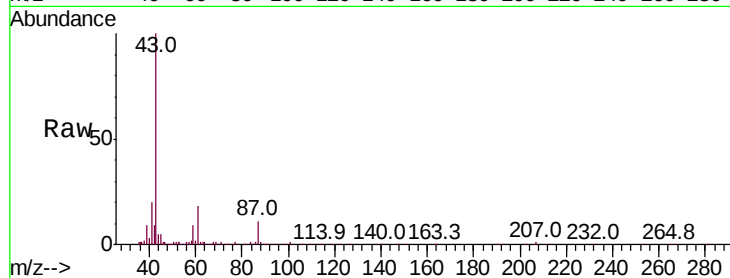
Tot Ion: 43 Resp: 94177

Ion Ratio Lower Upper

43 100

61 18.9 15.7 23.5

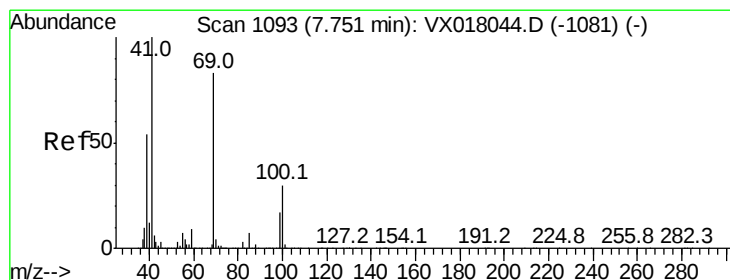
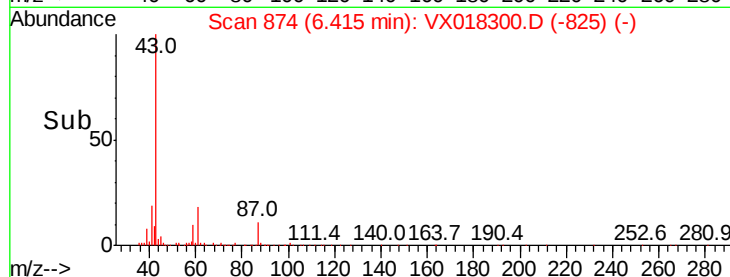
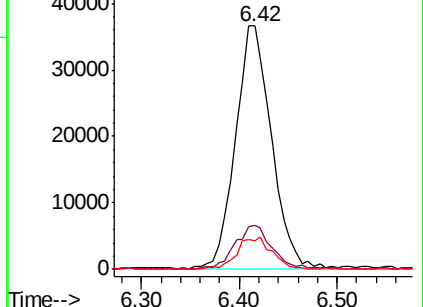
87 12.9 10.3 15.5



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

Methyl methacrylate

Concen: 1.094 ug/l

RT: 7.66 min Scan# 1078

Delta R.T. -0.09 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

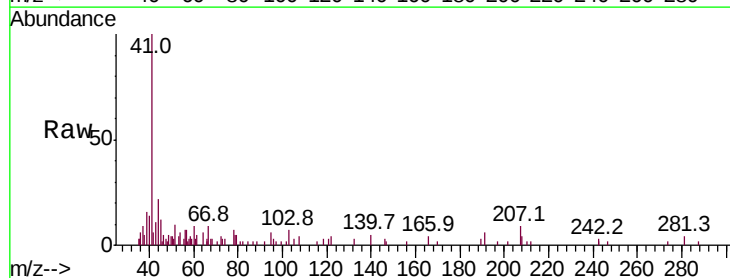
Tgt Ion: 41 Resp: 6782

Ion Ratio Lower Upper

41 100

69 3.3 65.5 98.3#

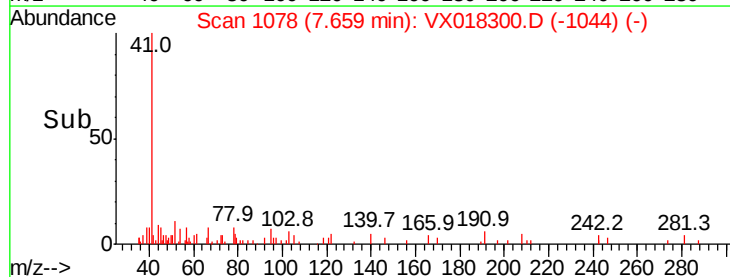
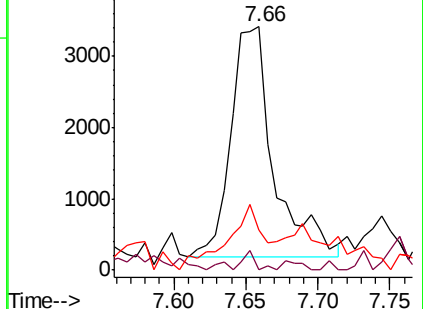
39 0.0 44.5 66.7#

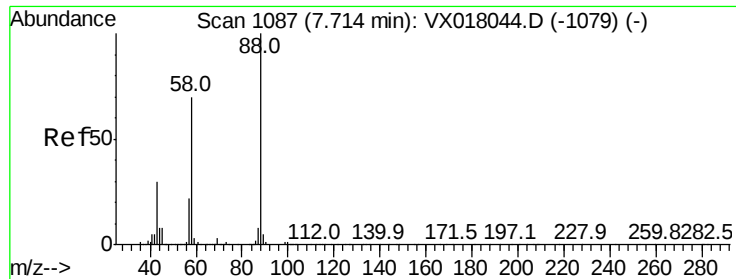


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 3.678 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-19-20

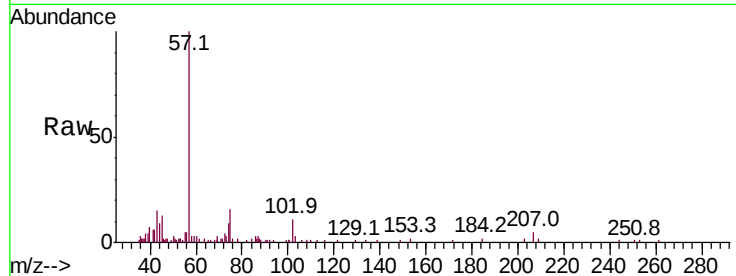
Tot Ion: 88 Resp: 413

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

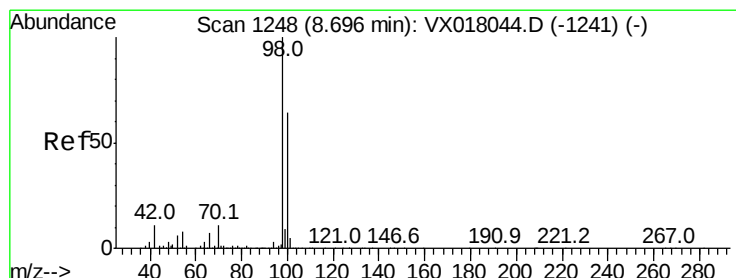
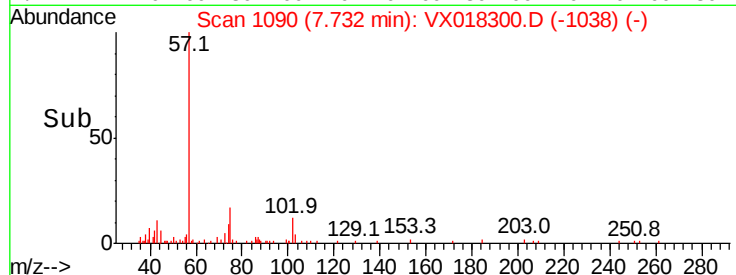
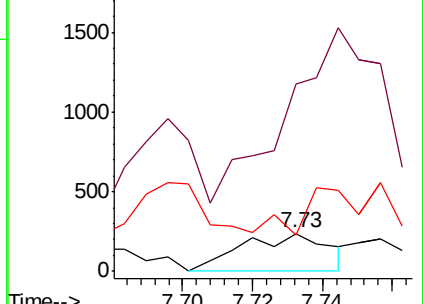
58 0.0 56.4 84.6#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.208 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018300.D

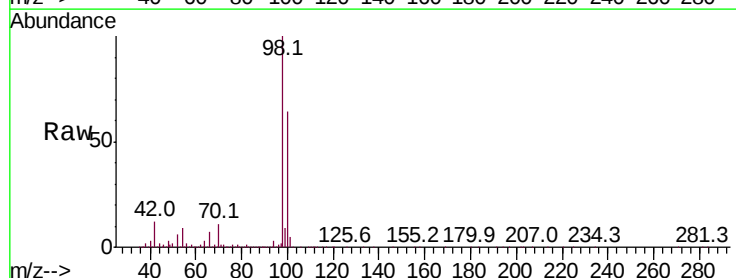
Acq: 09 Sep 2020 01:53

Tgt Ion: 98 Resp: 898241

Ion Ratio Lower Upper

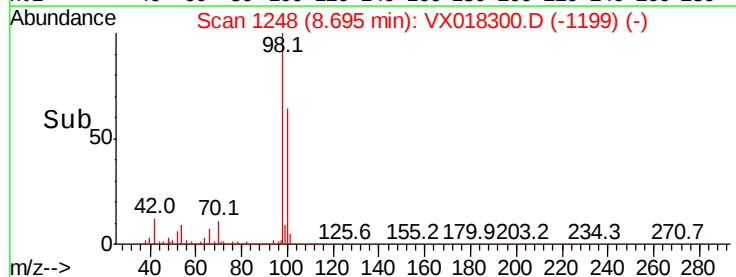
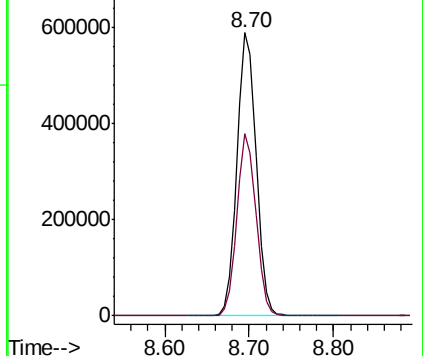
98 100

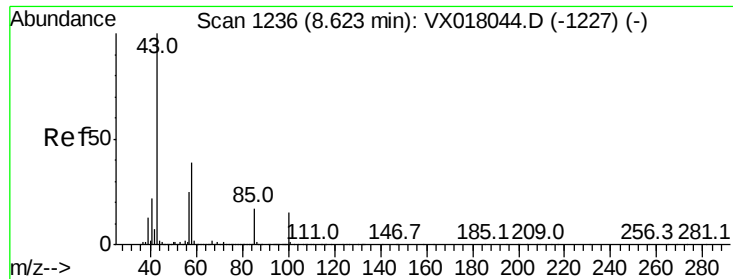
100 63.9 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 13.856 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

Instrument :

MSVOA_X

ClientSampleId :

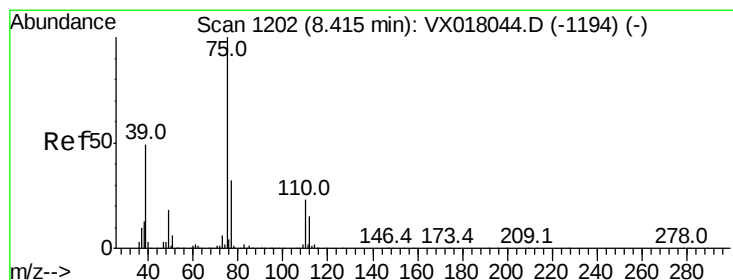
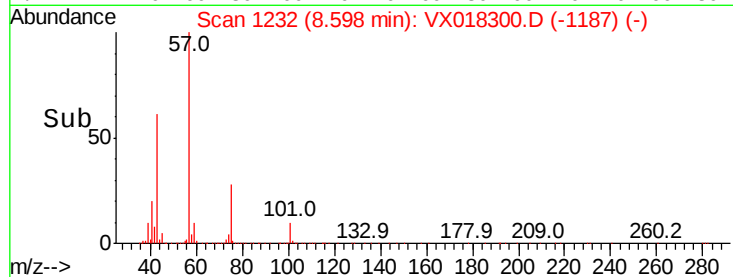
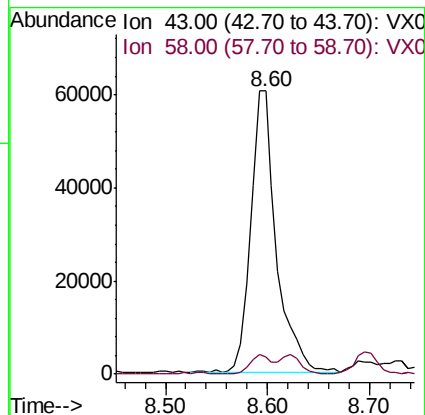
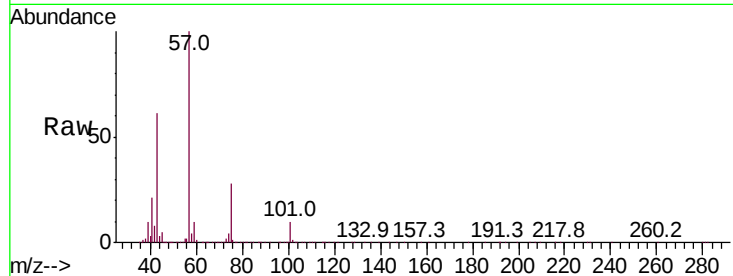
PAV-B44-090320-19-20

Tot Ion: 43 Resp: 106568

Ion Ratio Lower Upper

43 100

58 5.3 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 5.260 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. 0.18 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

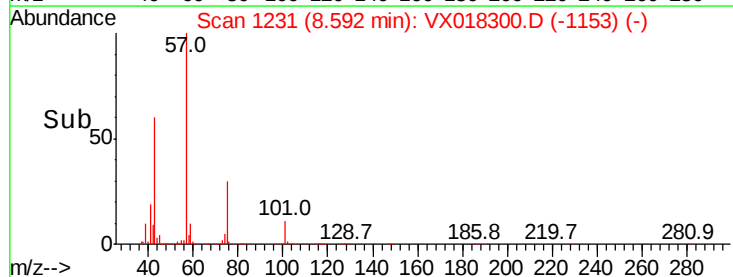
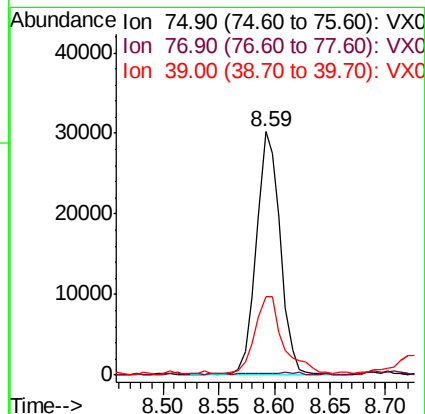
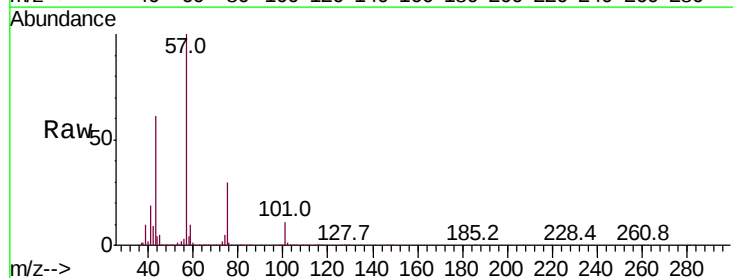
Tgt Ion: 75 Resp: 45577

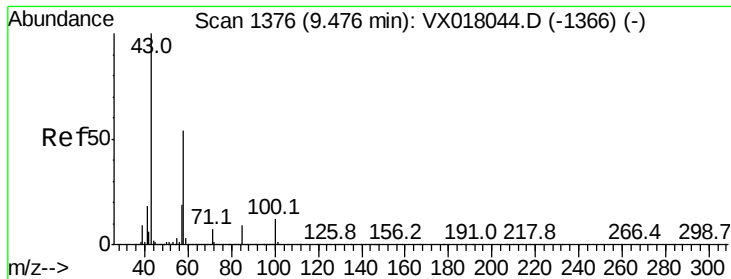
Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.8#

39 31.2 38.8 58.2#





#59

2-Hexanone

Concen: 15.543 ug/l

RT: 9.52 min Scan# 1384

Delta R.T. 0.05 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

Instrument :

MSVOA_X

ClientSampleId :

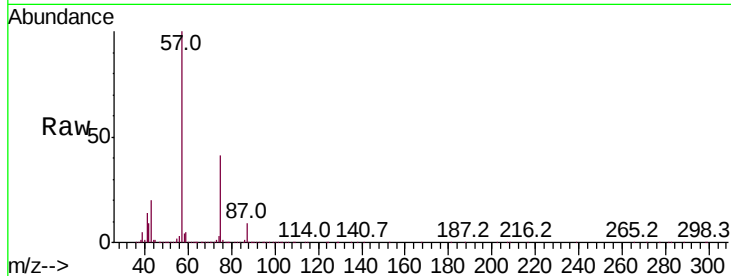
PAV-B44-090320-19-20

Tot Ion: 43 Resp: 90901

Ion Ratio Lower Upper

43 100

58 19.5 26.6 79.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.52

80000

60000

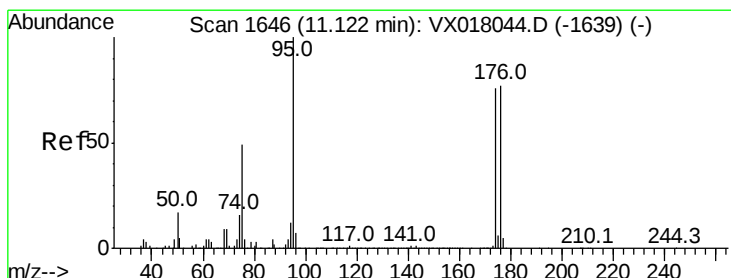
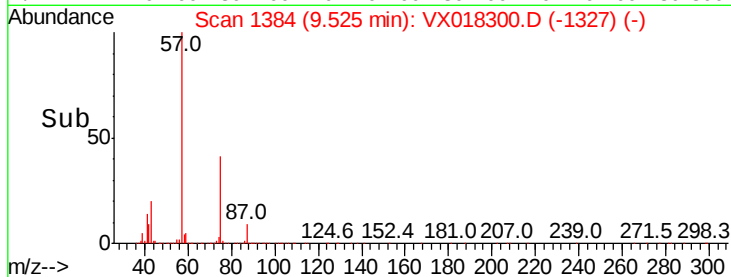
40000

20000

0

9.45 9.50 9.55

Time-->



#62

4-Bromofluorobenzene

Concen: 47.423 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

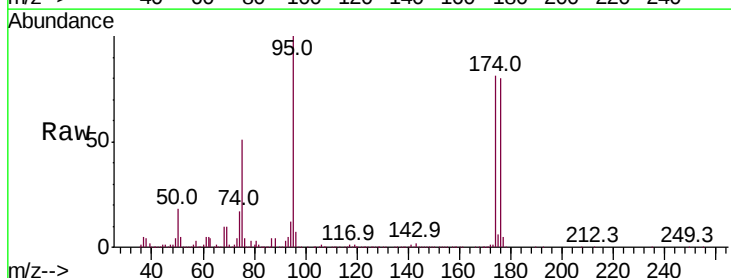
Tgt Ion: 95 Resp: 340579

Ion Ratio Lower Upper

95 100

174 82.0 0.0 160.2

176 78.1 0.0 155.8



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

300000

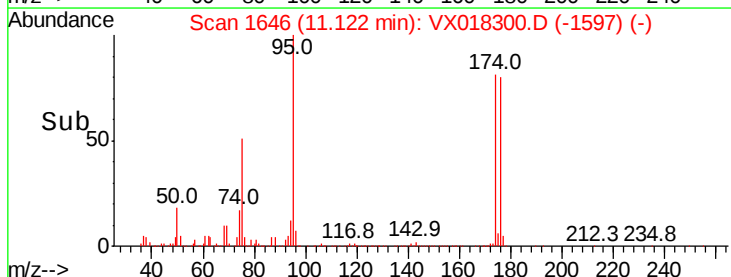
200000

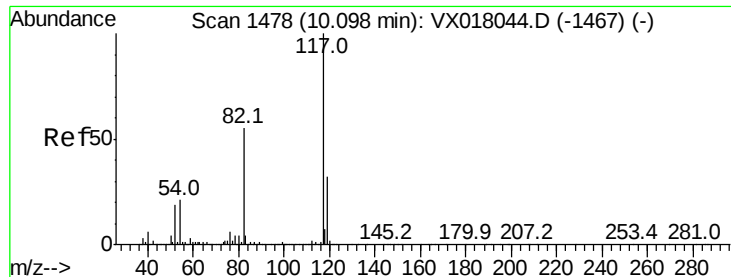
100000

0

11.10 11.12 11.20

Time-->

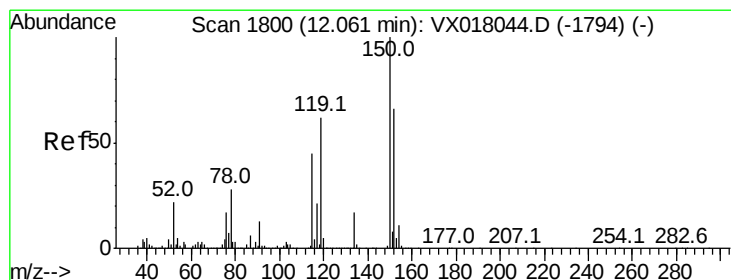
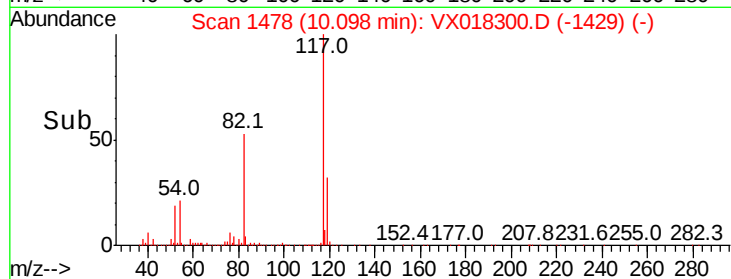
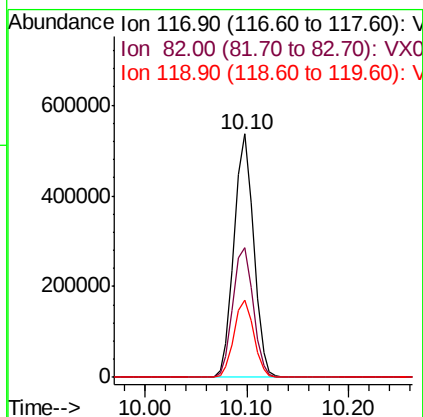
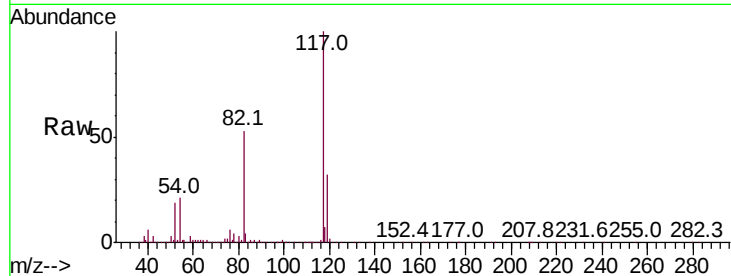




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018300.D
Acq: 09 Sep 2020 01:53

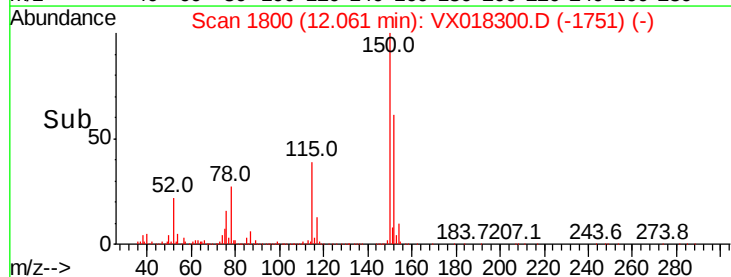
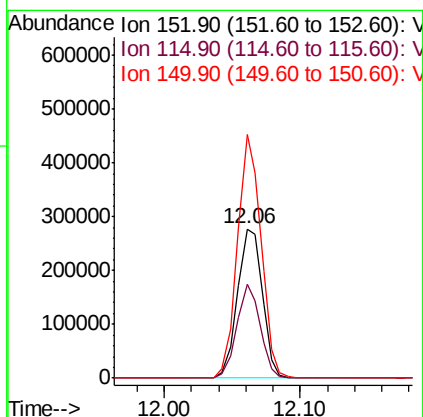
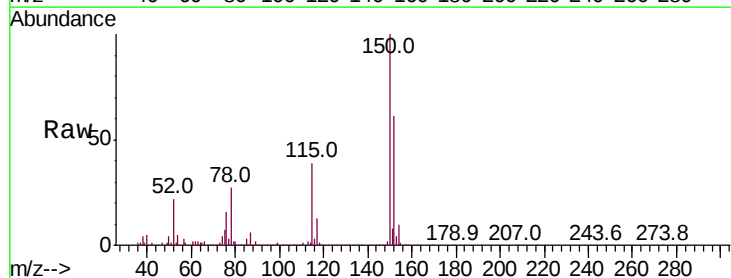
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-19-20

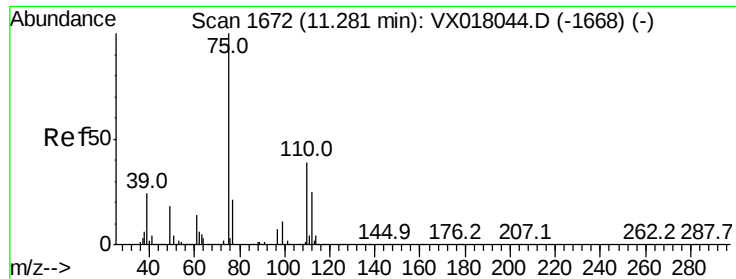
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	44.2	66.2
119	31.9	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018300.D
Acq: 09 Sep 2020 01:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	41.5	124.5
150	153.9	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 22.210 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

Instrument :

MSVOA_X

ClientSampleId :

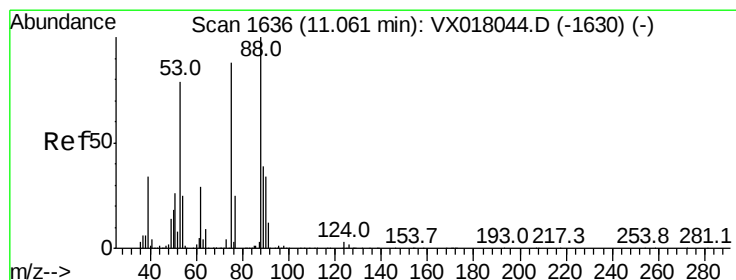
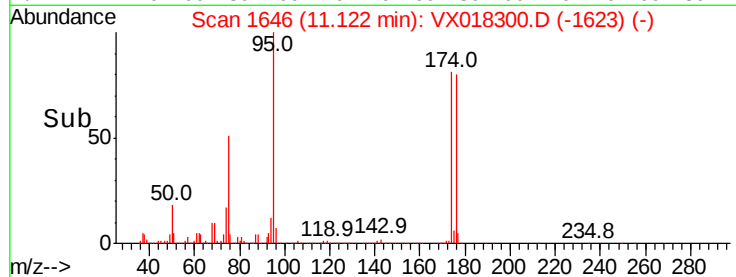
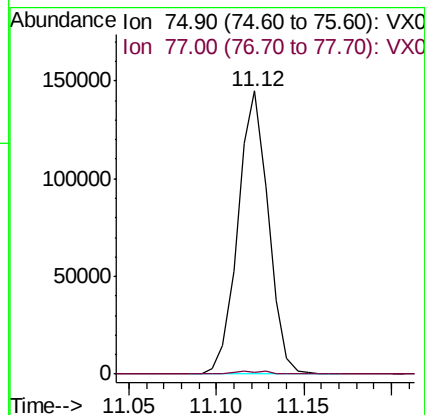
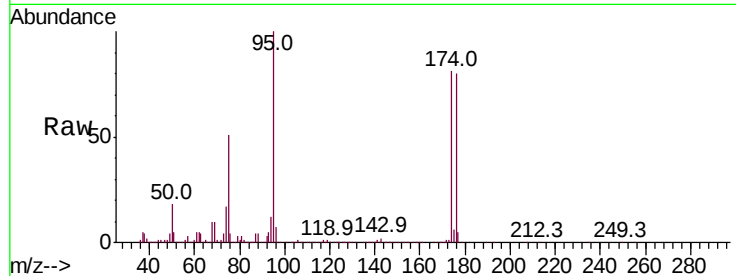
PAV-B44-090320-19-20

Tot Ion: 75 Resp: 174293

Ion Ratio Lower Upper

75 100

77 1.1 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.986 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018300.D

Acq: 09 Sep 2020 01:53

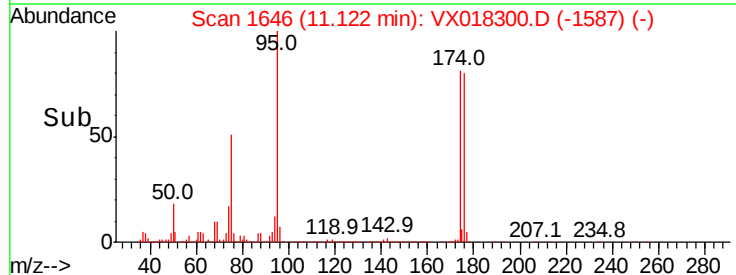
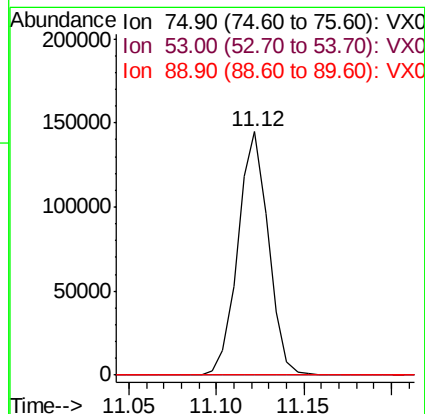
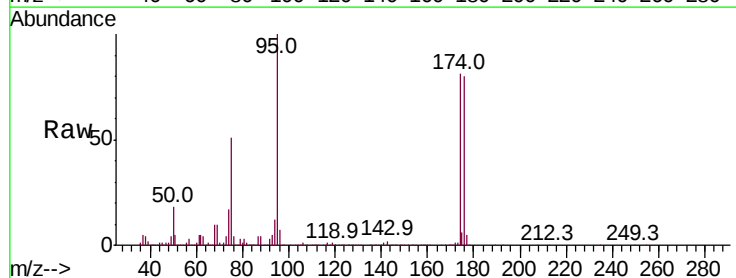
Tgt Ion: 75 Resp: 174293

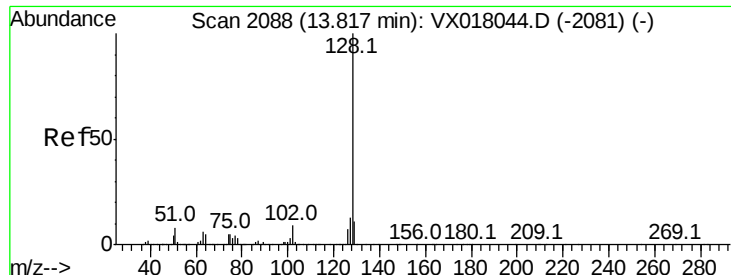
Ion Ratio Lower Upper

75 100

53 0.1 74.7 112.1#

89 0.0 36.6 54.8#

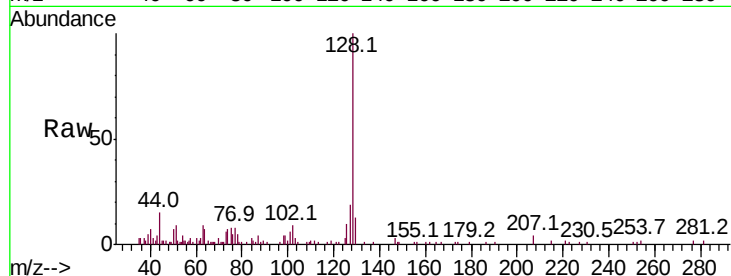




#95
Naphthalene
Concen: 0.543 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018300.D
Acq: 09 Sep 2020 01:53

Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-19-20

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.2	15.2#
129	13.9	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

