

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110620\
 Data File : VX019295.D
 Acq On : 05 Nov 2020 01:17
 Operator : JC/MD
 Sample : L4621-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B8-110320-19-20

Quant Time: Nov 05 02:31:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	289203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	516495	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	501701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	245063	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	205649	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
35) Dibromofluoromethane	5.46	113	162475	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	8.70	98	646021	52.82	ug/l	0.00
Spiked Amount			Recovery	=	105.64%	
62) 4-Bromofluorobenzene	11.12	95	245524	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	

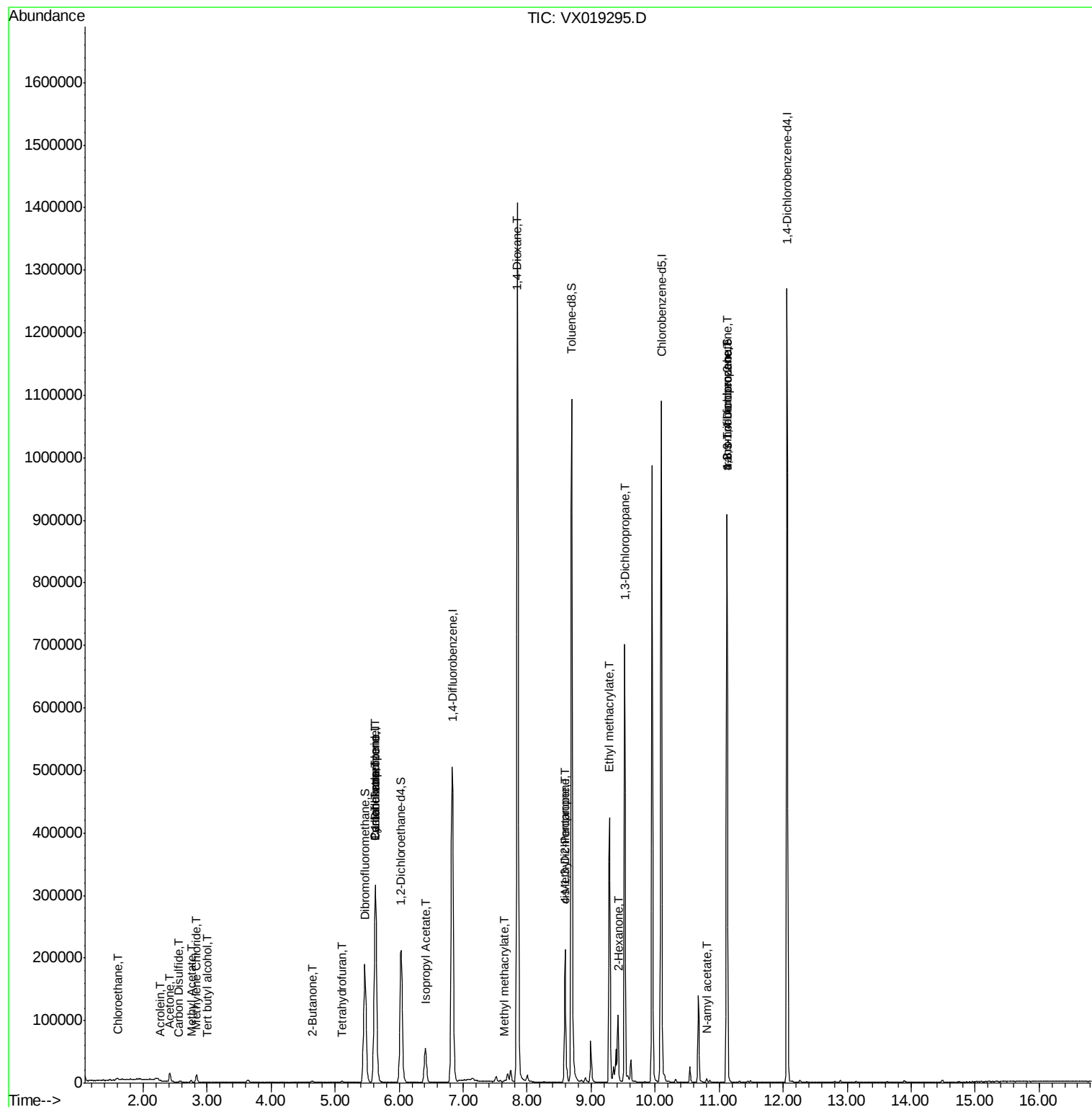
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	510	0.256	ug/l #	41
11) Tert butyl alcohol	2.99	59	837	1.136	ug/l #	72
13) Acrolein	2.28	56	46	5.784	ug/l #	2
16) Acetone	2.42	43	15242	11.846	ug/l	100
17) Carbon Disulfide	2.56	76	377	0.806	ug/l #	75
18) Methyl Acetate	2.75	43	2862	0.915	ug/l	94
20) Methylene Chloride	2.83	84	5748	1.779	ug/l	97
25) 2-Butanone	4.64	43	2529	1.247	ug/l	95
29) Tetrahydrofuran	5.10	42	1709	1.337	ug/l #	85
31) Cyclohexane	5.63	56	6372	1.352	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	24245	5.083	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30024	6.176	ug/l #	17
43) Isopropyl Acetate	6.41	43	75208	10.143	ug/l	97
48) Methyl methacrylate	7.65	41	3942	1.105	ug/l #	9
49) 1,4-Dioxane	7.85	88	291	3.667	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	72781	17.078	ug/l #	43
54) cis-1,3-Dichloropropene	8.59	75	35794	6.173	ug/l #	60
56) Ethyl methacrylate	9.28	69	1135	0.218	ug/l #	1
57) 1,3-Dichloropropane	9.52	76	5988	1.032	ug/l #	42
59) 2-Hexanone	9.42	43	70811	21.828	ug/l #	20
74) N-amyl acetate	10.80	43	3220	0.508	ug/l #	45
76) 1,2,3-Trichloropropane	11.12	75	126448	24.990	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	126448	65.797	ug/l #	12

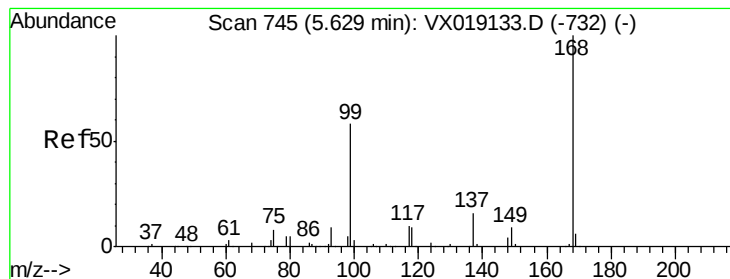
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 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: VX019295.D

Acq: 05 Nov 2020 01:17

Instrument :

MSVOA_X

ClientSampleId :

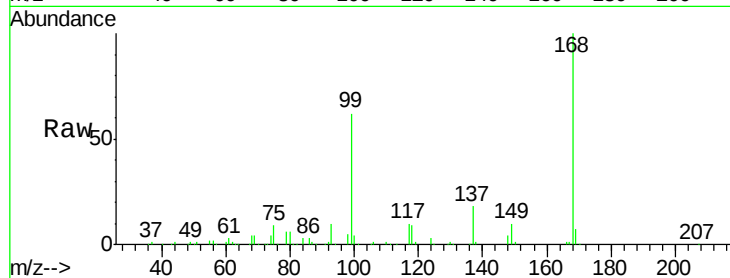
PAV-B8-110320-19-20

Tot Ion:168 Resp: 289203

Ion Ratio Lower Upper

168 100

99 62.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

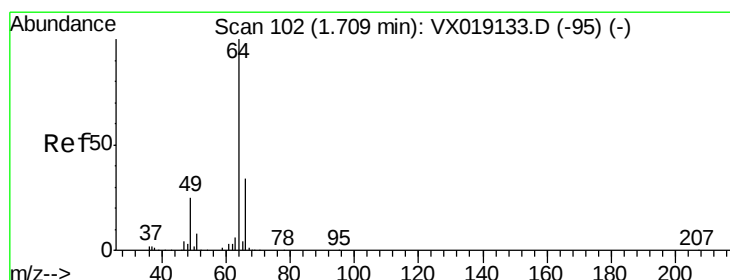
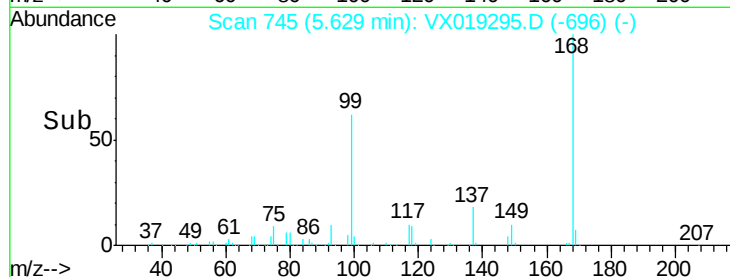
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 0.256 ug/l

RT: 1.61 min Scan# 86

Delta R.T. -0.10 min

Lab File: VX019295.D

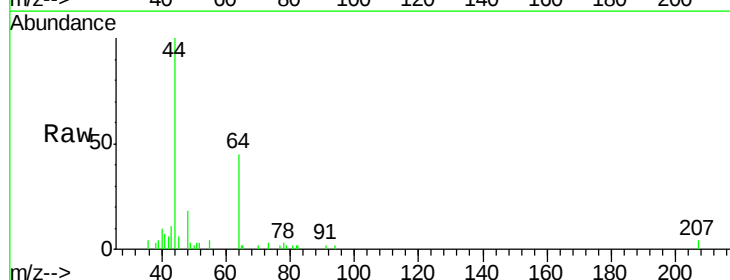
Acq: 05 Nov 2020 01:17

Tgt Ion: 64 Resp: 510

Ion Ratio Lower Upper

64 100

66 0.0 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

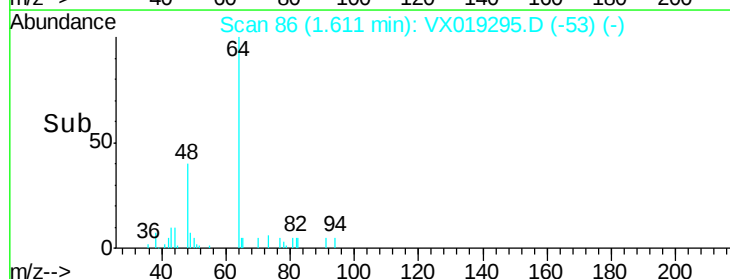
1.61

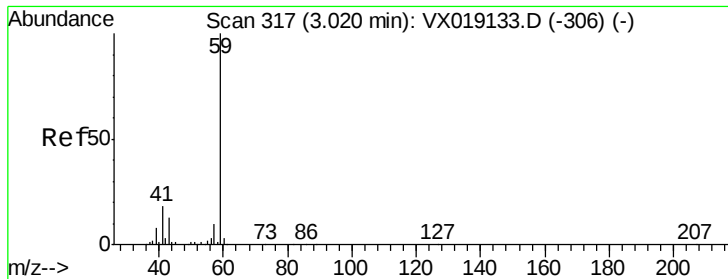
1000

500

0

Time-->

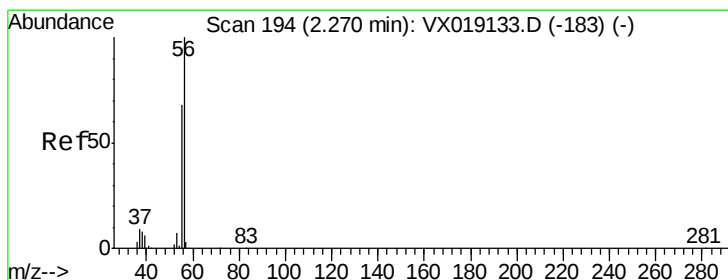
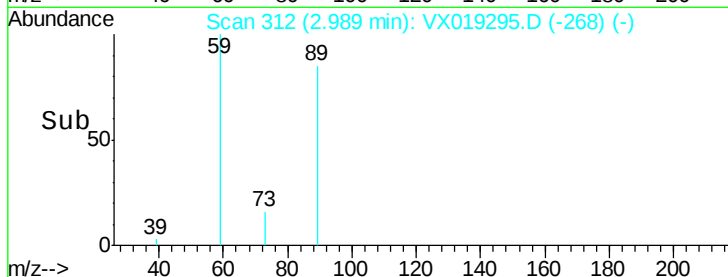
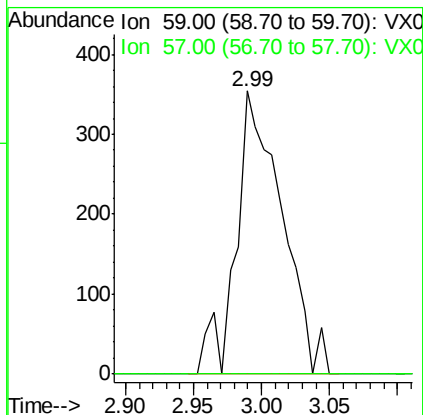
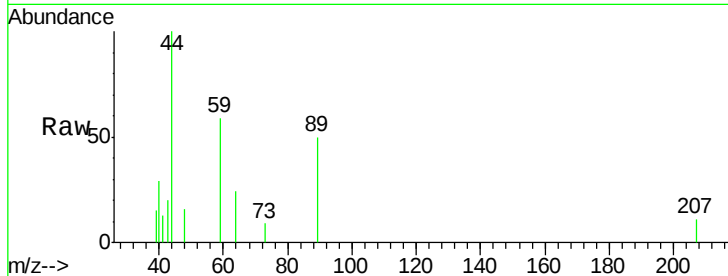




#11
Tert butyl alcohol
Concen: 1.136 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX019295.D
Acq: 05 Nov 2020 01:17

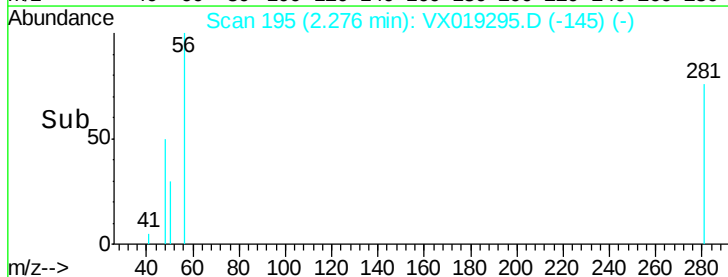
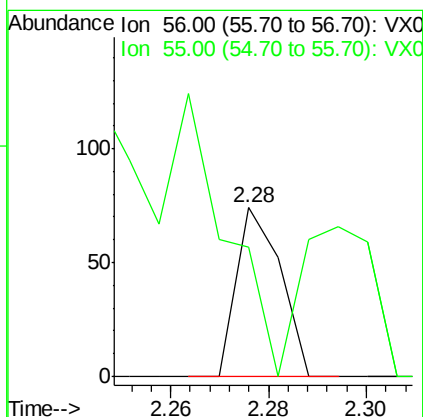
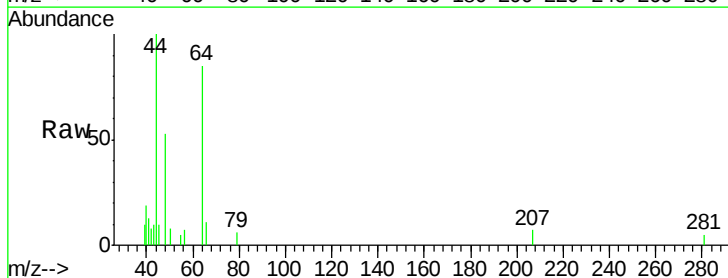
Instrument :
MSVOA_X
ClientSampleId :
PAV-B8-110320-19-20

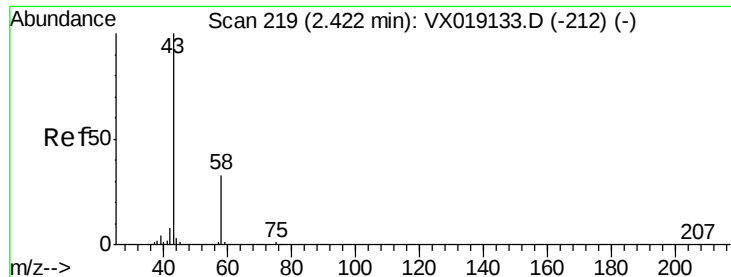
Tot Ion: 59 Resp: 837
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#13
Acrolein
Concen: 5.784 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX019295.D
Acq: 05 Nov 2020 01:17

Tgt Ion: 56 Resp: 46
Ion Ratio Lower Upper
56 100
55 147.8 54.7 82.1#





#16

Acetone

Concen: 11.846 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

Instrument :

MSVOA_X

ClientSampleId :

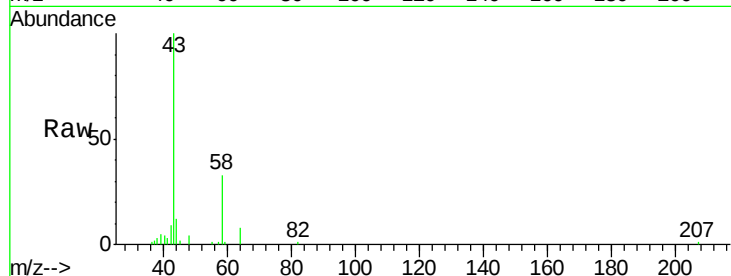
PAV-B8-110320-19-20

Tot Ion: 43 Resp: 15242

Ion Ratio Lower Upper

43 100

58 32.8 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

8000

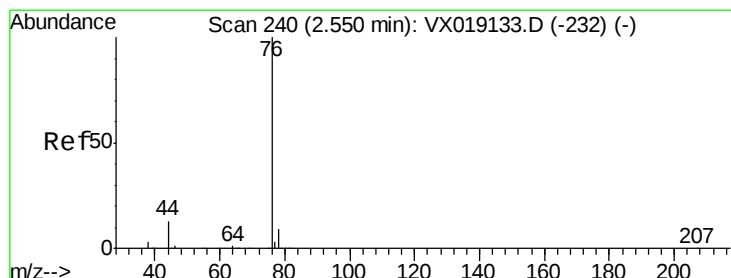
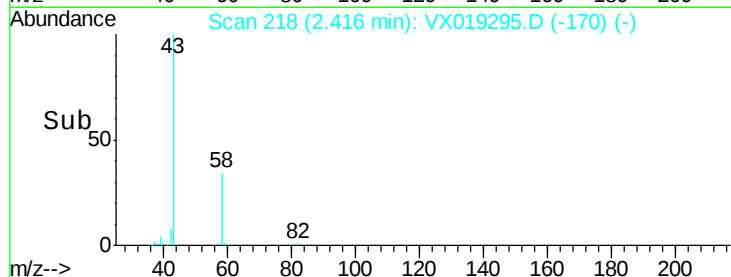
6000

4000

2000

0

Time--> 2.30 2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.806 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019295.D

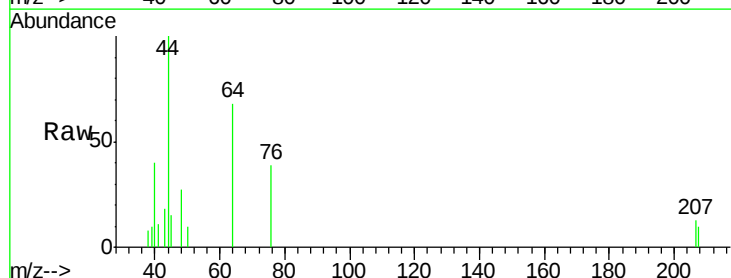
Acq: 05 Nov 2020 01:17

Tgt Ion: 76 Resp: 377

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.56

300

250

200

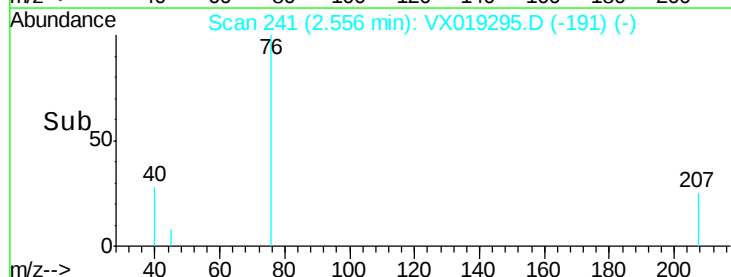
150

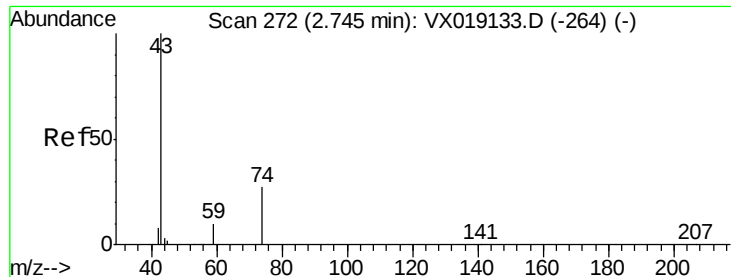
100

50

0

Time--> 2.50 2.55 2.60

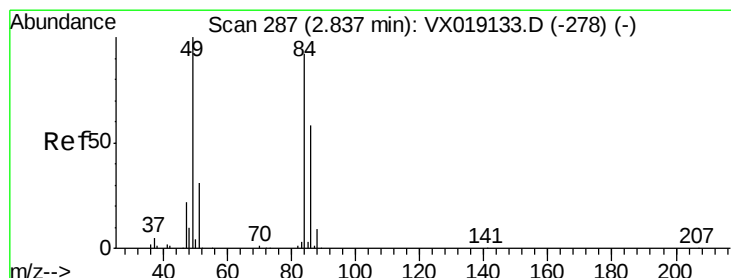
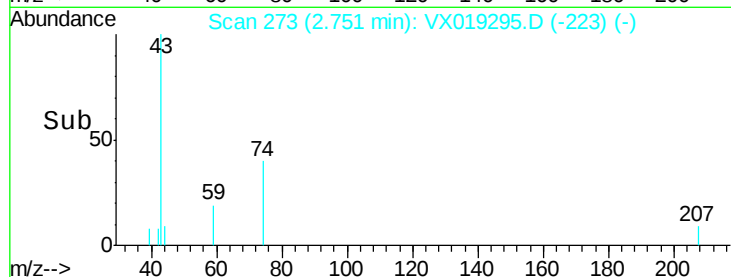
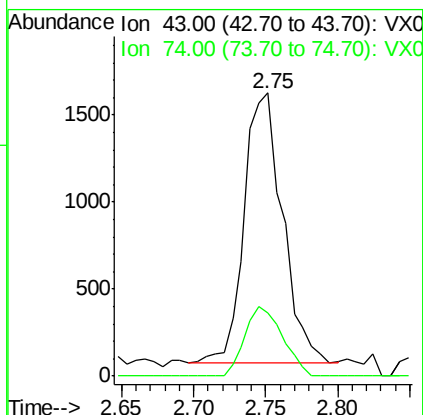
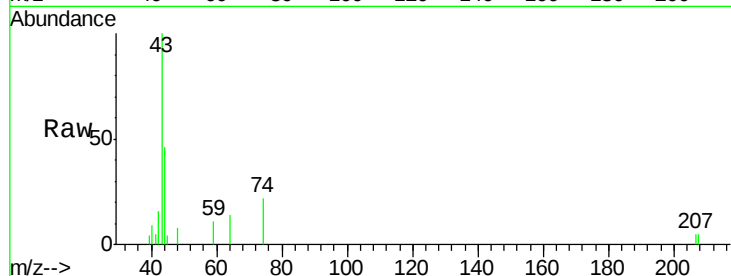




#18
Methyl Acetate
Concen: 0.915 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019295.D
Acq: 05 Nov 2020 01:17

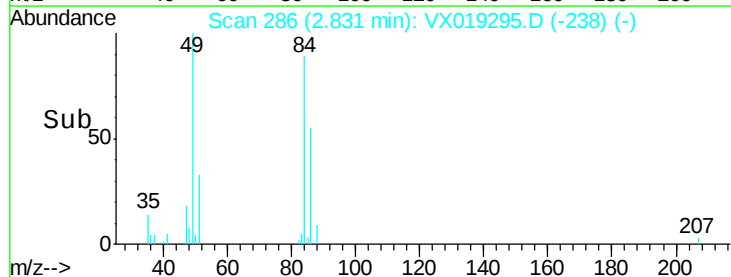
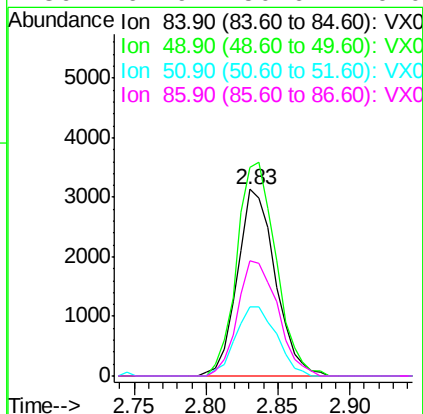
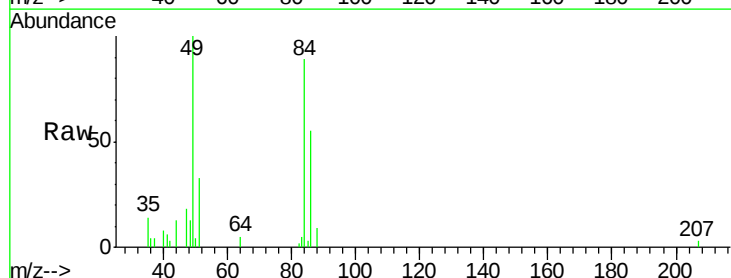
Instrument :
MSVOA_X
ClientSampleId :
PAV-B8-110320-19-20

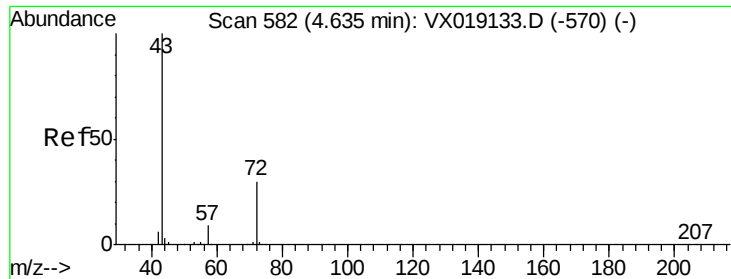
Tot Ion: 43 Resp: 2862
Ion Ratio Lower Upper
43 100
74 25.2 22.6 33.8



#20
Methylene Chloride
Concen: 1.779 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX019295.D
Acq: 05 Nov 2020 01:17

Tgt Ion: 84 Resp: 5748
Ion Ratio Lower Upper
84 100
49 111.7 86.8 130.2
51 37.2 27.3 40.9
86 61.9 50.6 76.0





#25

2-Butanone

Concen: 1.247 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

Instrument :

MSVOA_X

ClientSampleId :

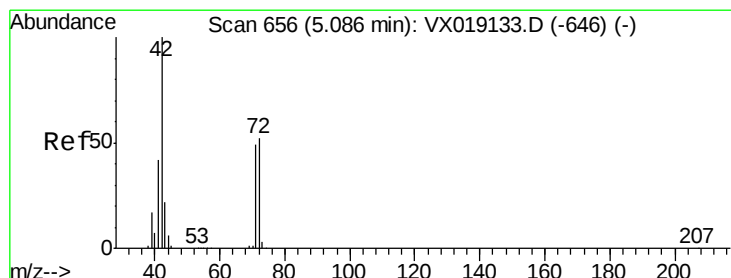
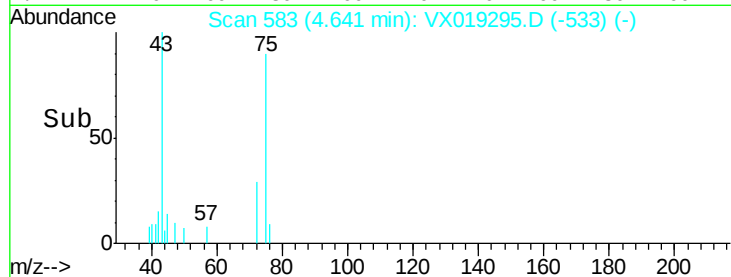
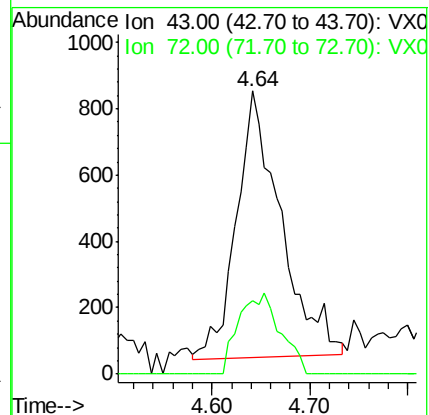
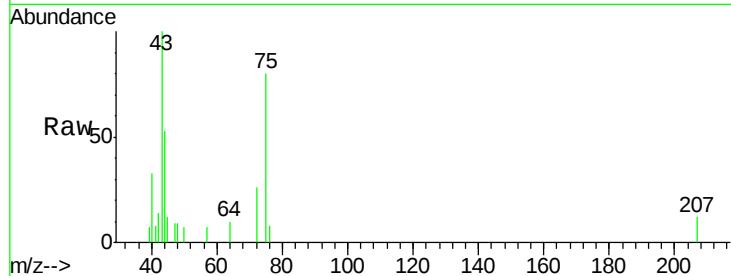
PAV-B8-110320-19-20

Tot Ion: 43 Resp: 2529

Ion Ratio Lower Upper

43 100

72 27.7 24.6 36.8



#29

Tetrahydrofuran

Concen: 1.337 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

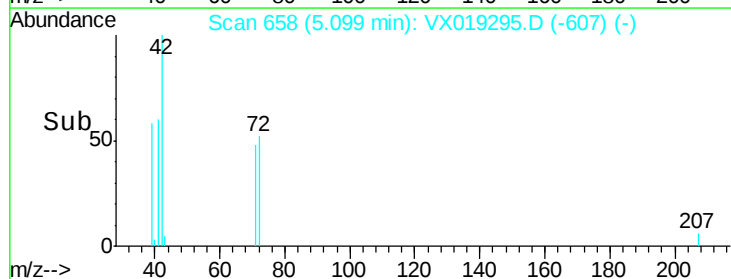
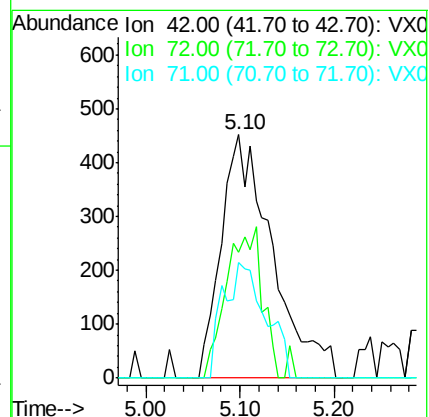
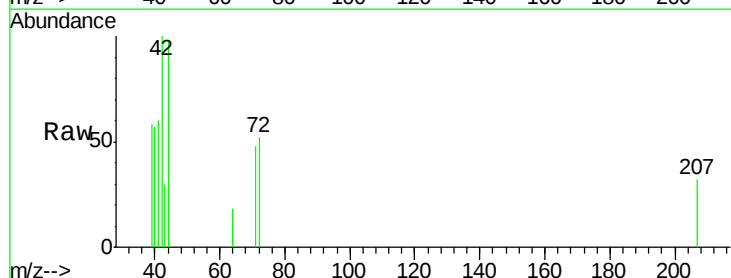
Tgt Ion: 42 Resp: 1709

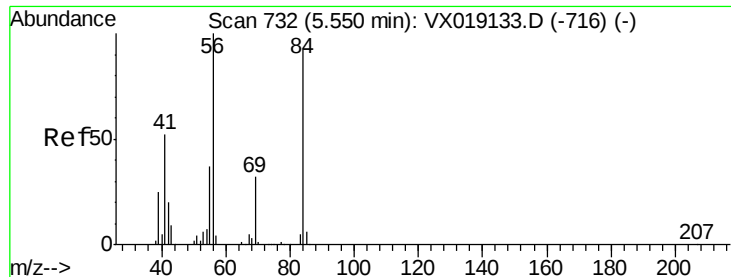
Ion Ratio Lower Upper

42 100

72 43.0 42.6 63.8

71 39.1 39.7 59.5#





#31

Cvclohexane

Concen: 1.352 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

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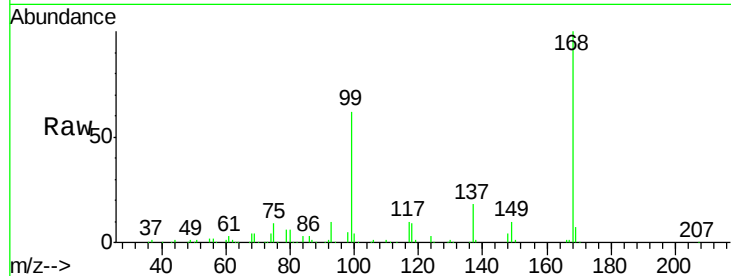
Tot Ion: 56 Resp: 6372

Ion Ratio Lower Upper

56 100

69 197.6 25.9 38.9#

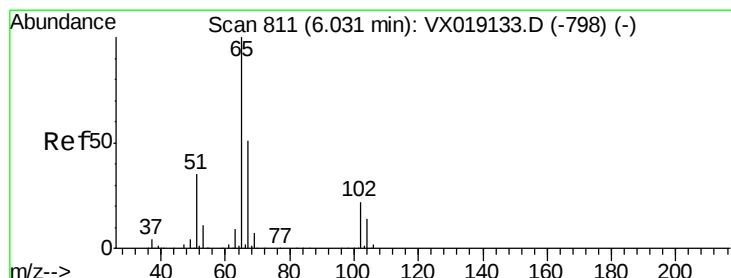
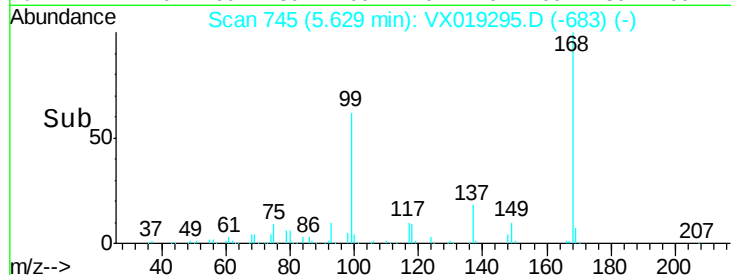
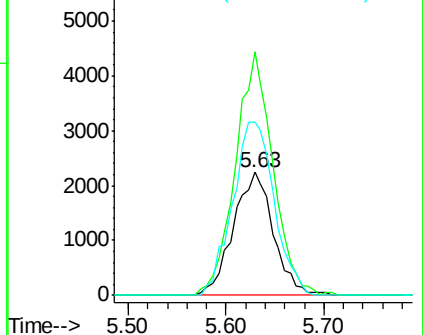
84 141.0 73.4 110.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.139 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019295.D

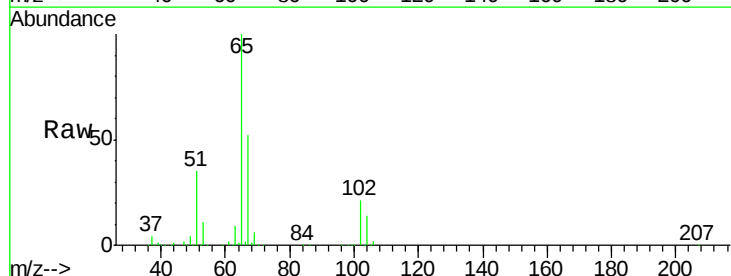
Acq: 05 Nov 2020 01:17

Tgt Ion: 65 Resp: 205649

Ion Ratio Lower Upper

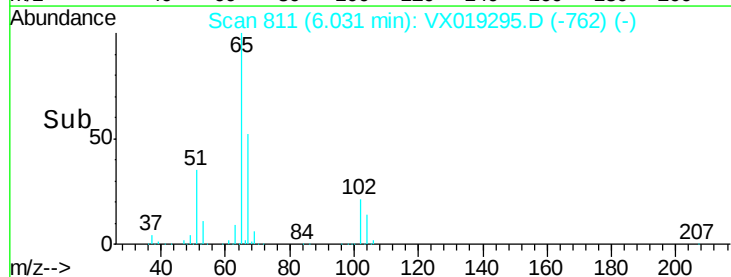
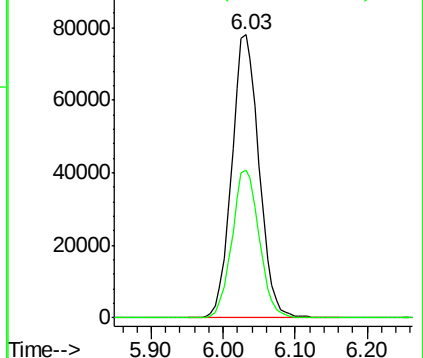
65 100

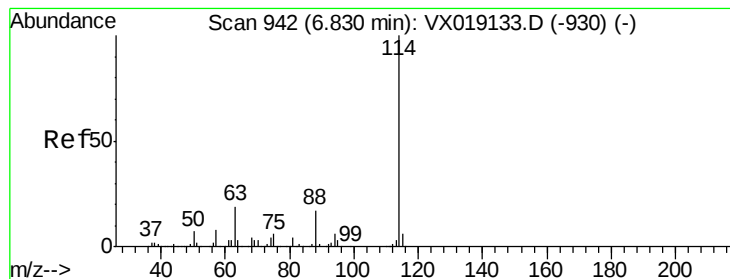
67 52.1 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

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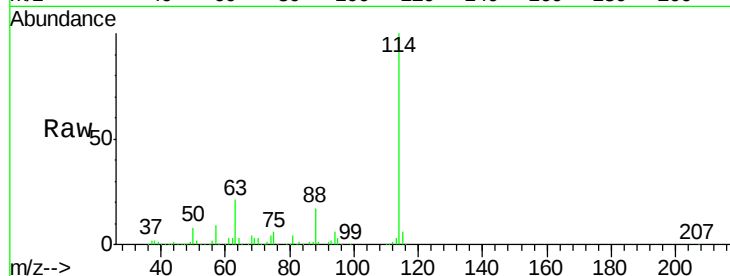
Tot Ion:114 Resp: 516495

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.8

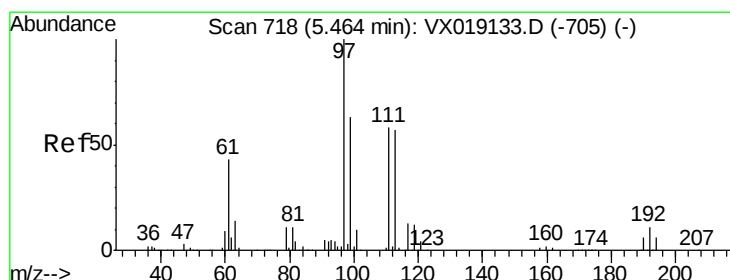
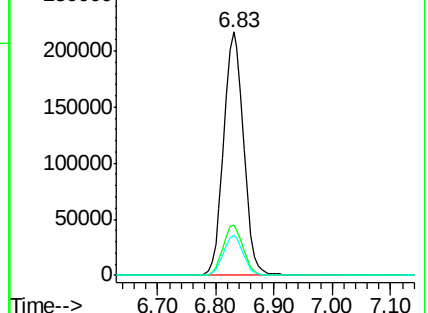
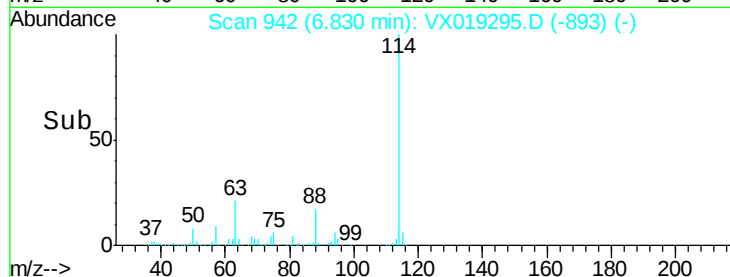
88 16.6 0.0 34.2



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: 50.080 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

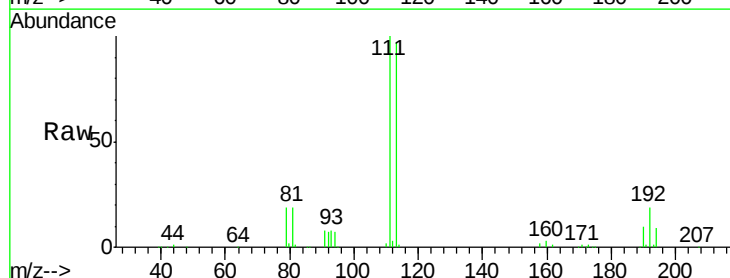
Tgt Ion:113 Resp: 162475

Ion Ratio Lower Upper

113 100

111 102.5 82.3 123.5

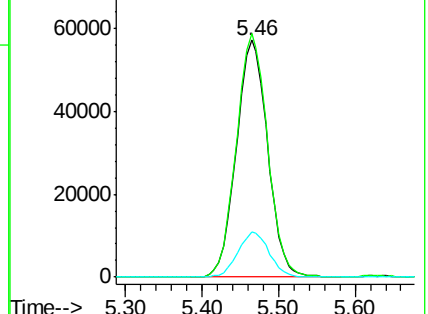
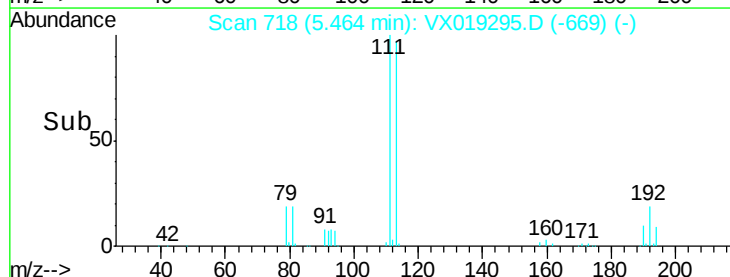
192 19.0 16.2 24.2

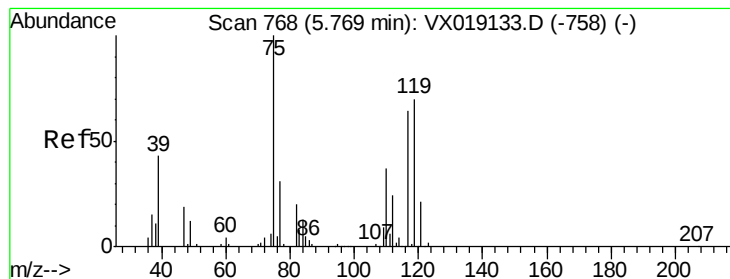


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.083 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

Instrument :

MSVOA_X

ClientSampleId :

PAV-B8-110320-19-20

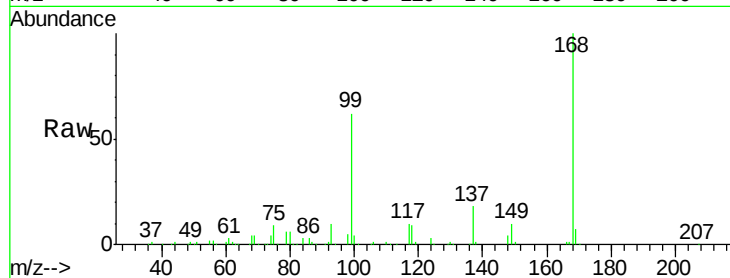
Tot Ion: 75 Resp: 24245

Ion Ratio Lower Upper

75 100

110 9.6 18.3 54.9#

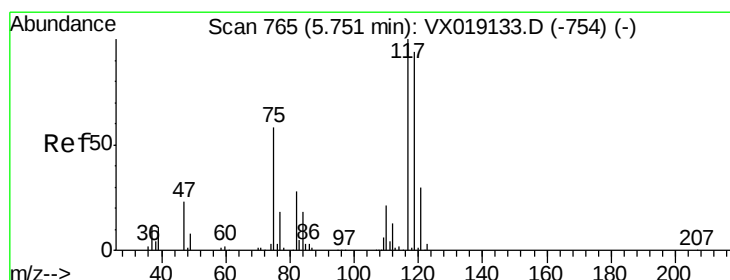
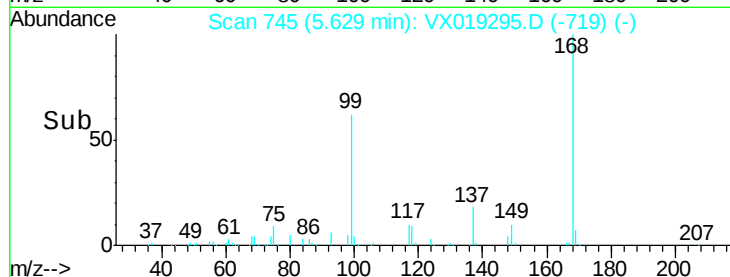
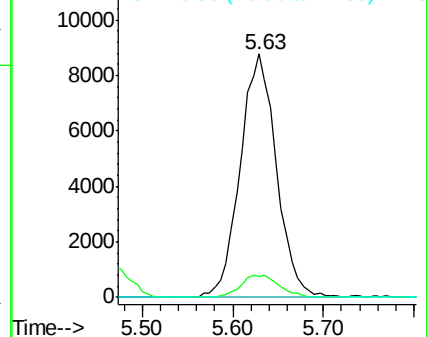
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.176 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

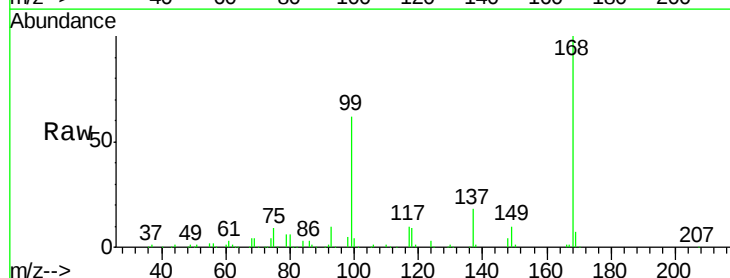
Tgt Ion:117 Resp: 30024

Ion Ratio Lower Upper

117 100

119 5.2 75.0 112.6#

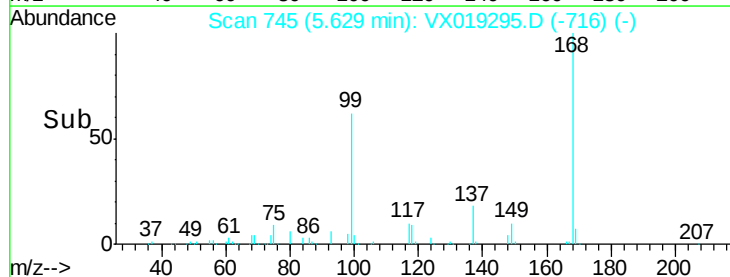
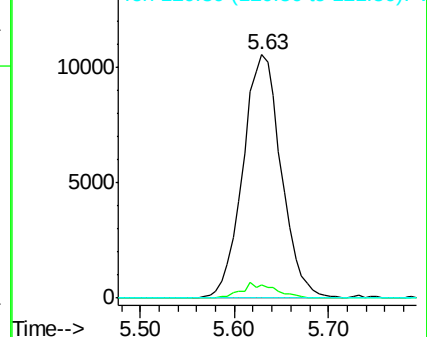
121 0.0 23.9 35.9#

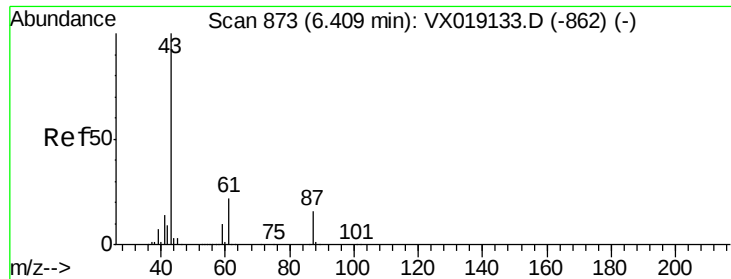


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



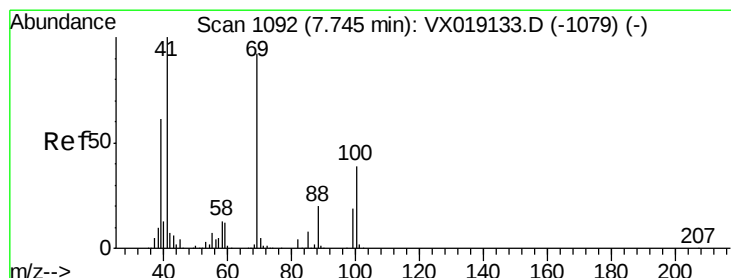
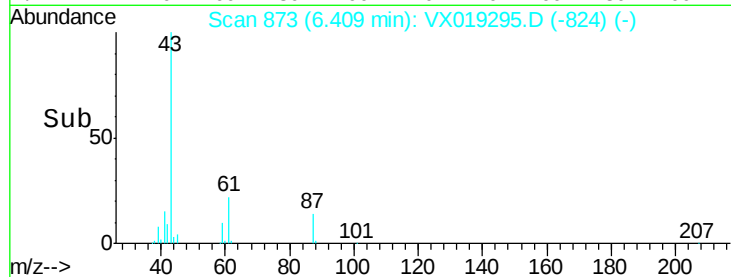
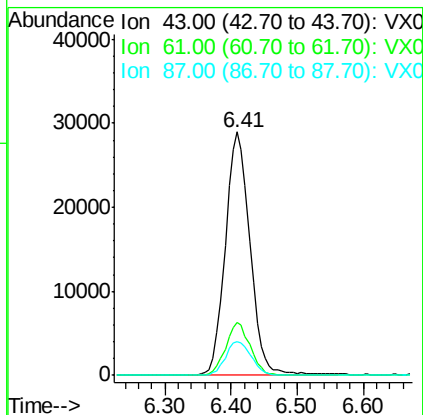
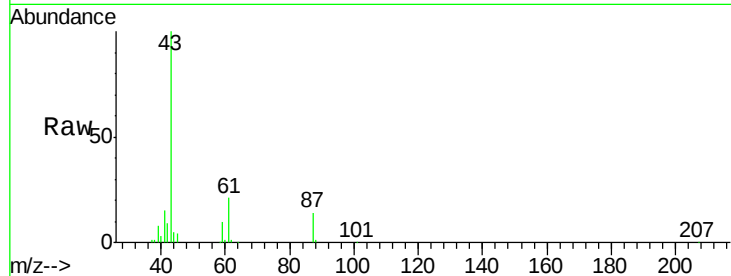


#43

Isopropyl Acetate
 Concen: 10.143 ug/l
 RT: 6.41 min Scan# 873
 Delta R.T. -0.00 min
 Lab File: VX019295.D
 Acq: 05 Nov 2020 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B8-110320-19-20

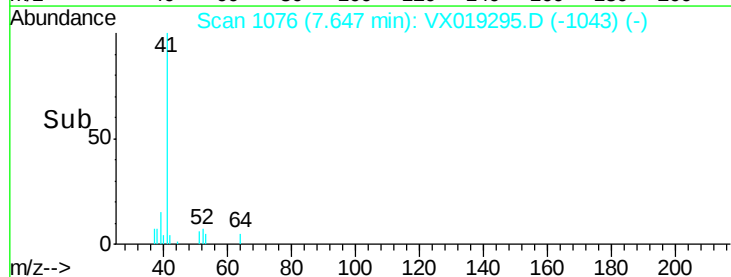
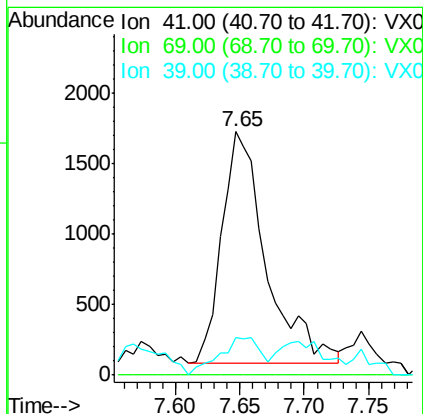
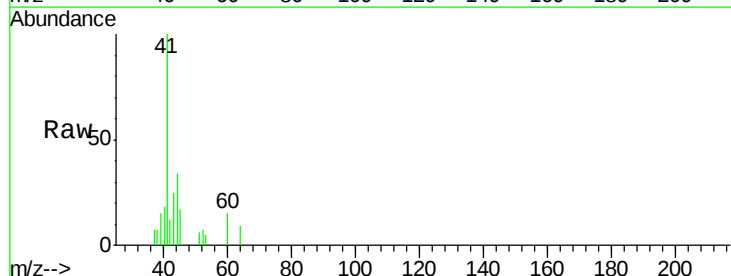
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.8	26.6
87	14.3	12.6	19.0

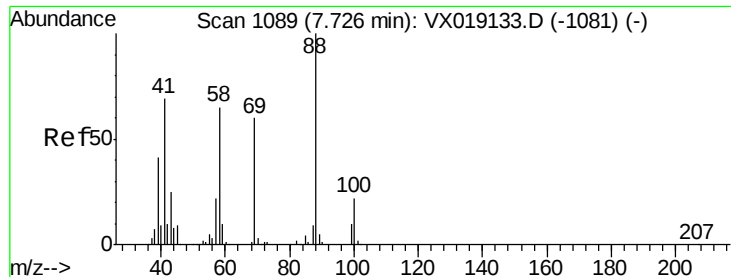


#48

Methyl methacrylate
 Concen: 1.105 ug/l
 RT: 7.65 min Scan# 1076
 Delta R.T. -0.10 min
 Lab File: VX019295.D
 Acq: 05 Nov 2020 01:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	75.5	113.3#
39	0.0	48.9	73.3#





#49

1,4-Dioxane

Concen: 3.667 ug/l

RT: 7.85 min Scan# 1109

Delta R.T. 0.12 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

Instrument :

MSVOA_X

ClientSampleId :

PAV-B8-110320-19-20

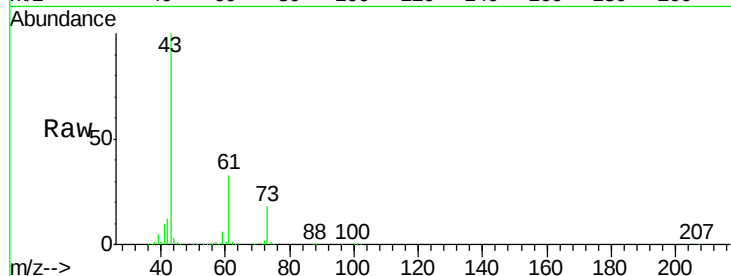
Tot Ion: 88 Resp: 291

Ion Ratio Lower Upper

88 100

43 422566.3 23.0 34.6#

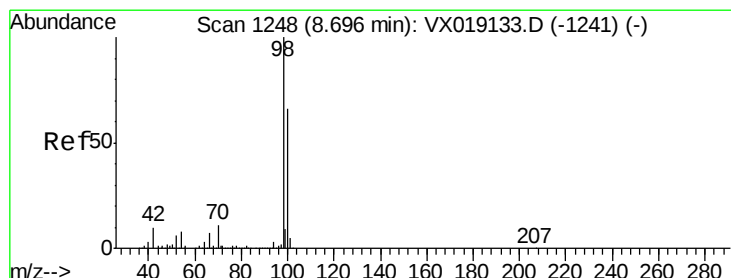
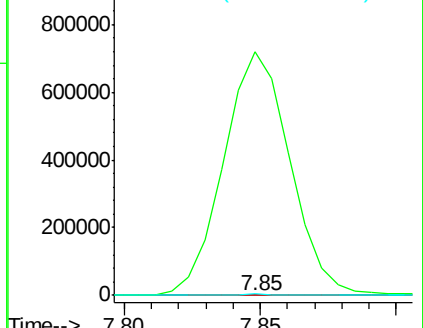
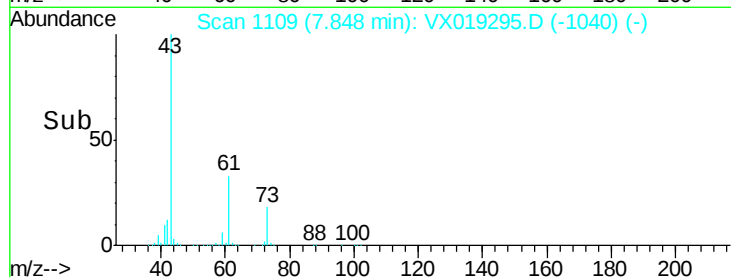
58 1978.0 52.2 78.2#



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: 52.823 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019295.D

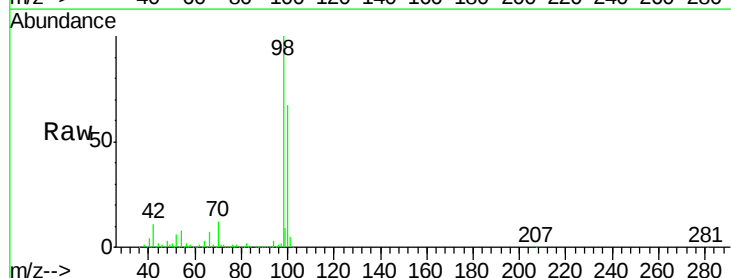
Acq: 05 Nov 2020 01:17

Tgt Ion: 98 Resp: 646021

Ion Ratio Lower Upper

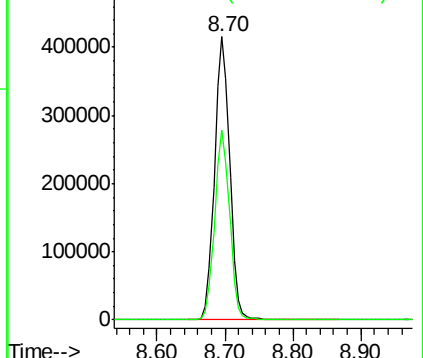
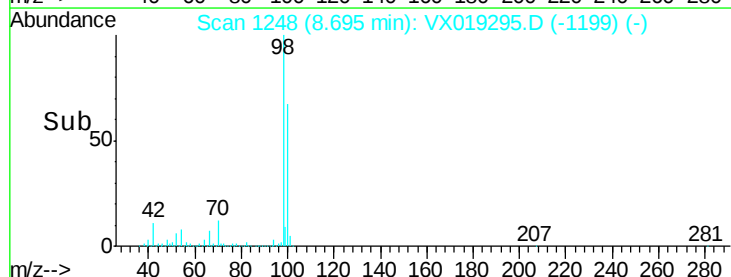
98 100

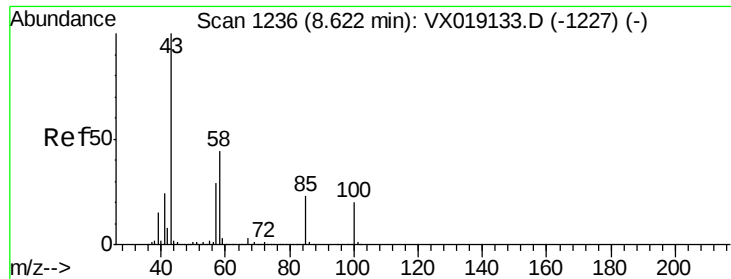
100 66.1 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

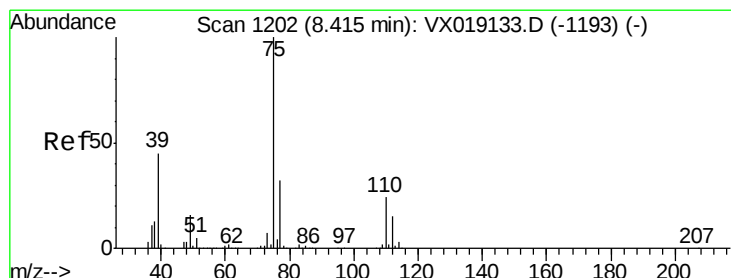
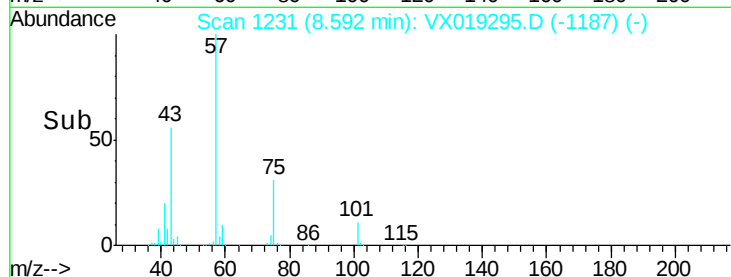
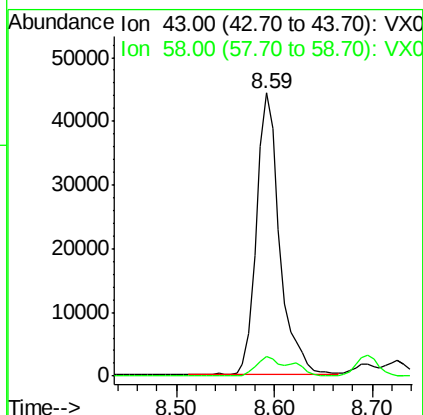
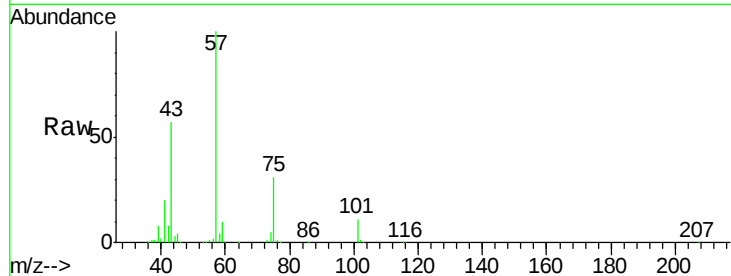




#51
 4-Methyl-2-Pentanone
 Concen: 17.078 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX019295.D
 Acq: 05 Nov 2020 01:17

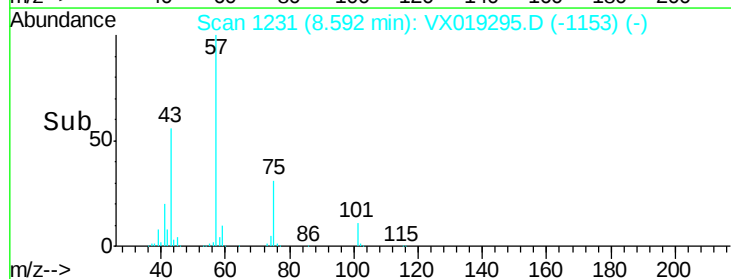
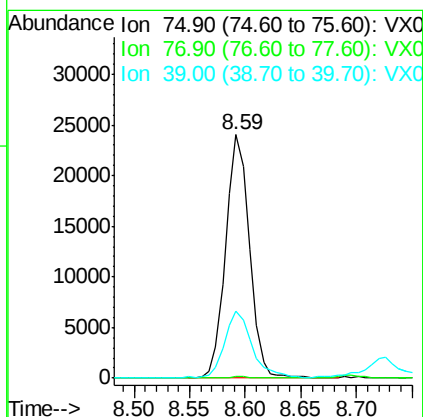
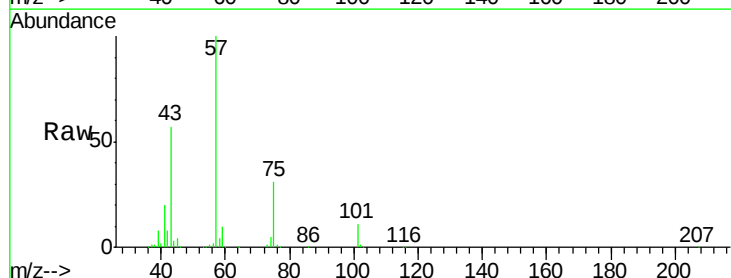
Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B8-110320-19-20

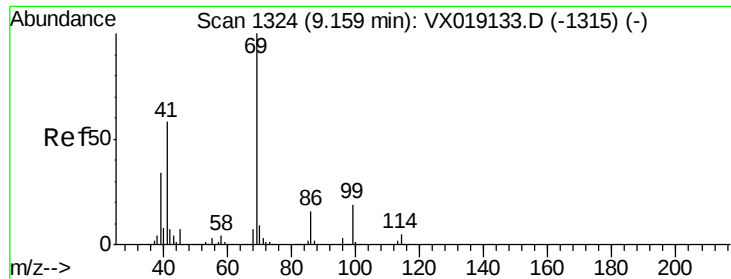
Tot Ion: 43 Resp: 72781
 Ion Ratio Lower Upper
 43 100
 58 6.9 35.0 52.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.173 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019295.D
 Acq: 05 Nov 2020 01:17

Tgt Ion: 75 Resp: 35794
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.5 38.3#
 39 27.0 36.2 54.2#





#56

Ethyl methacrylate

Concen: 0.218 ug/l

RT: 9.28 min Scan# 1344

Delta R.T. 0.12 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

Instrument :

MSVOA_X

ClientSampleId :

PAV-B8-110320-19-20

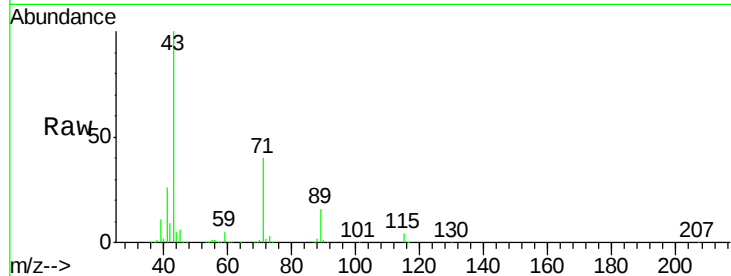
Tot Ion: 69 Resp: 1135

Ion Ratio Lower Upper

69 100

41 5528.6 46.5 69.7#

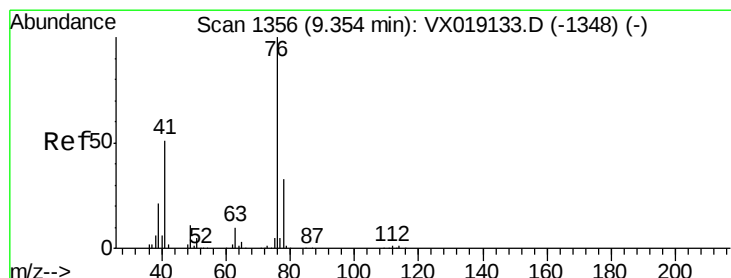
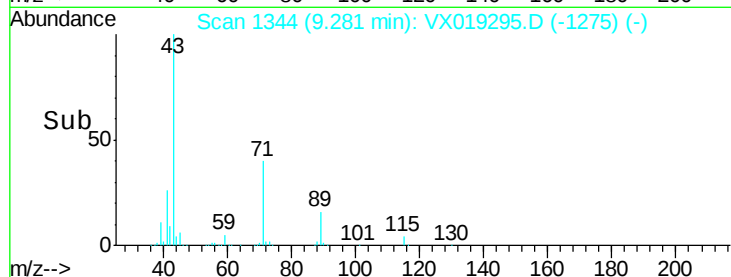
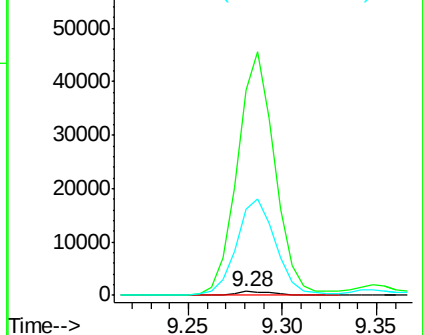
39 2295.5 27.6 41.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 1.032 ug/l

RT: 9.52 min Scan# 1383

Delta R.T. 0.16 min

Lab File: VX019295.D

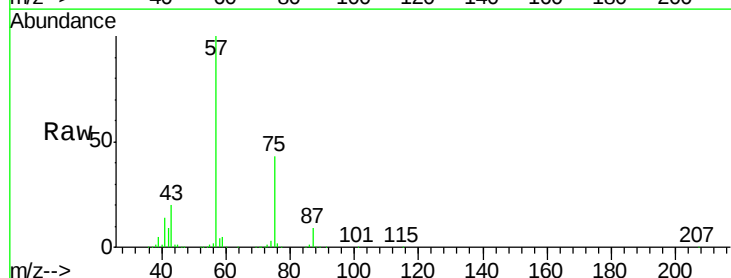
Acq: 05 Nov 2020 01:17

Tgt Ion: 76 Resp: 5988

Ion Ratio Lower Upper

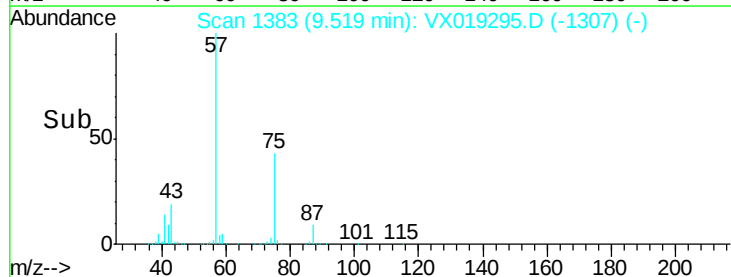
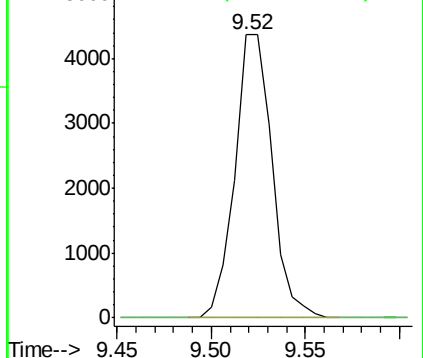
76 100

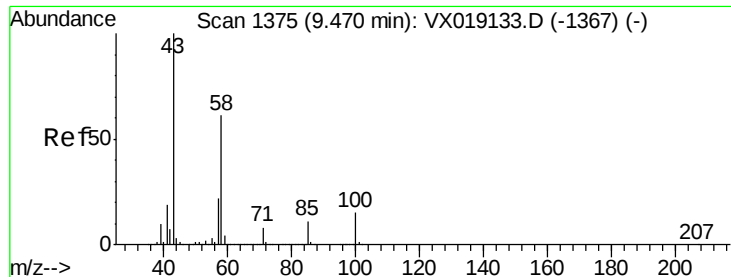
78 0.0 25.9 38.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

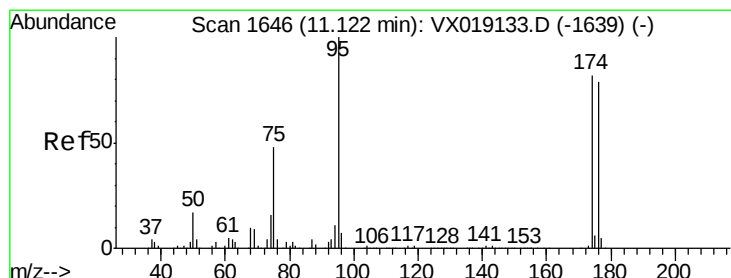
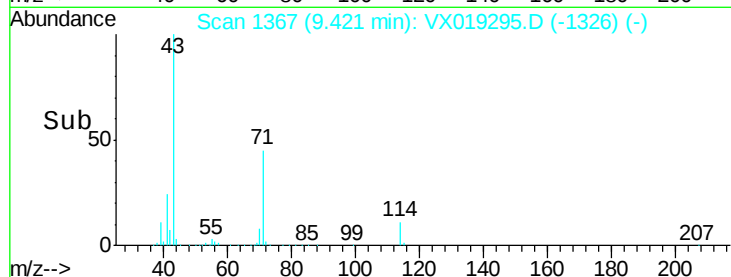
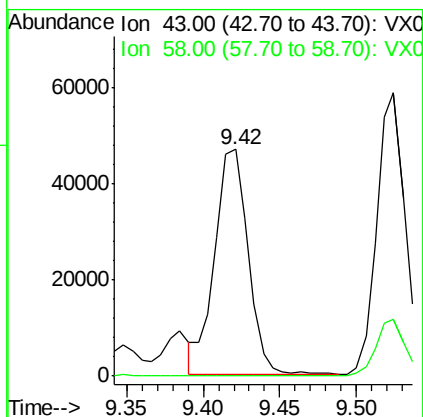
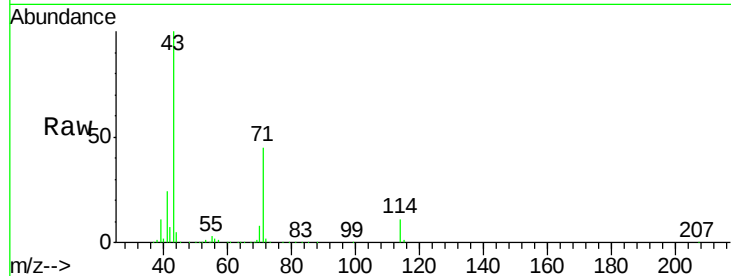




#59
2-Hexanone
Concen: 21.828 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX019295.D
Acq: 05 Nov 2020 01:17

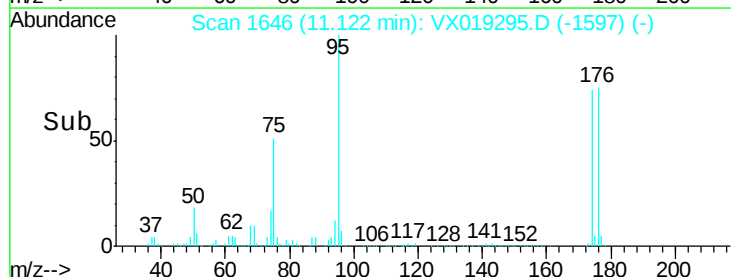
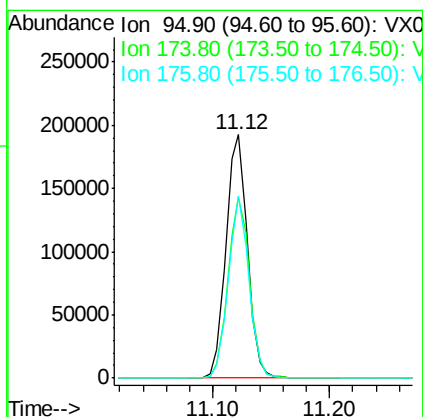
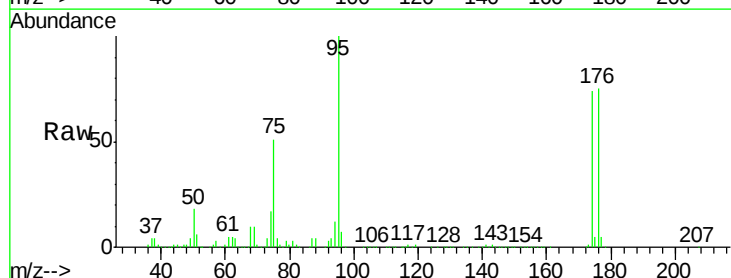
Instrument :
MSVOA_X
ClientSampleId :
PAV-B8-110320-19-20

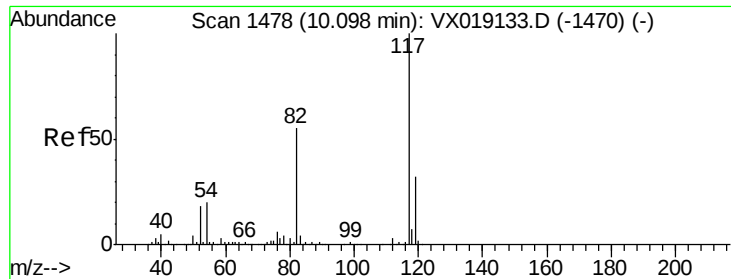
Tot Ion: 43 Resp: 70811
Ion Ratio Lower Upper
43 100
58 0.0 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 53.012 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019295.D
Acq: 05 Nov 2020 01:17

Tgt Ion: 95 Resp: 245524
Ion Ratio Lower Upper
95 100
174 75.0 0.0 156.0
176 71.9 0.0 149.8

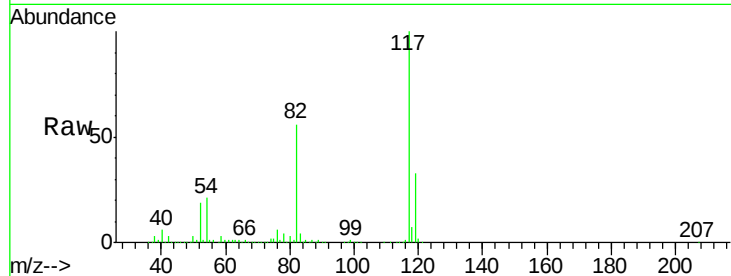




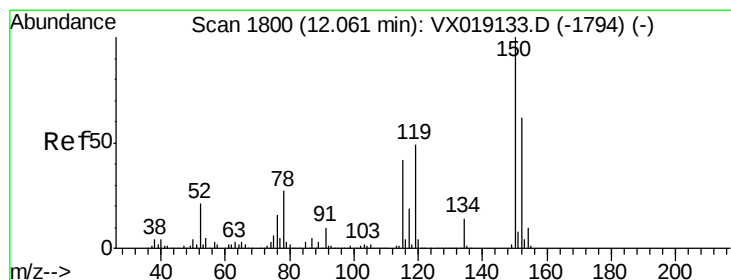
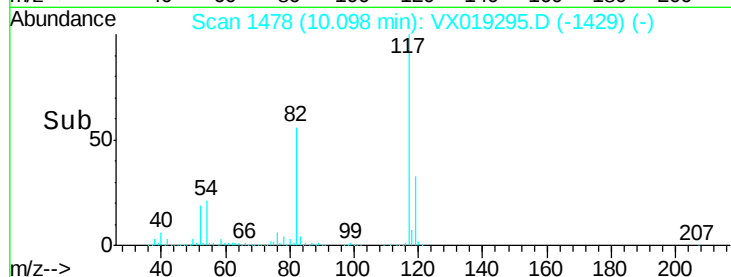
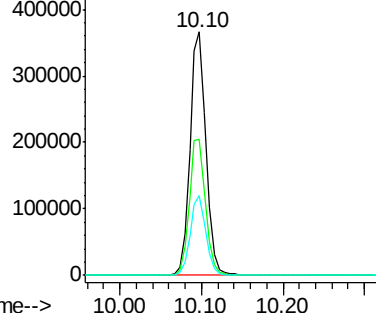
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019295.D
Acq: 05 Nov 2020 01:17

Instrument :
MSVOA_X
ClientSampleId :
PAV-B8-110320-19-20

Tot Ion:117 Resp: 501701
Ion Ratio Lower Upper
117 100
82 55.9 43.6 65.4
119 33.0 25.5 38.3

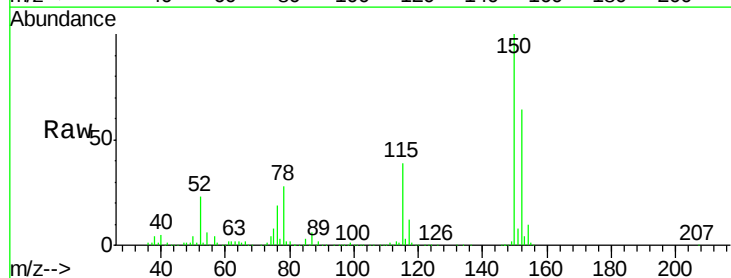


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

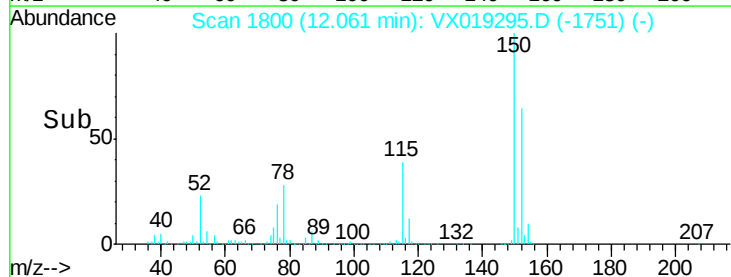
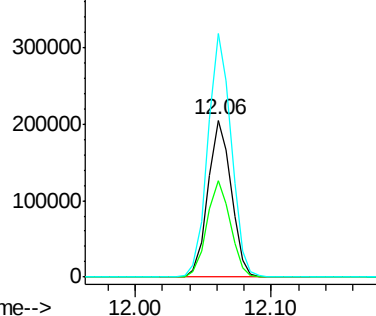


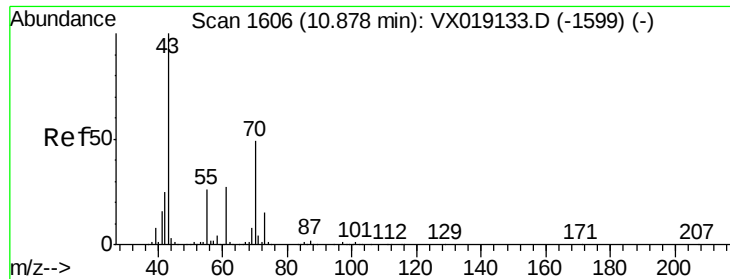
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019295.D
Acq: 05 Nov 2020 01:17

Tgt Ion:152 Resp: 245063
Ion Ratio Lower Upper
152 100
115 61.5 41.9 125.7
150 155.6 0.0 347.8



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





#74

N-amvl acetate

Concen: 0.508 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX019295.D

Acq: 05 Nov 2020 01:17

Instrument :

MSVOA_X

ClientSampleId :

PAV-B8-110320-19-20

Tot Ion: 43 Resp: 3220

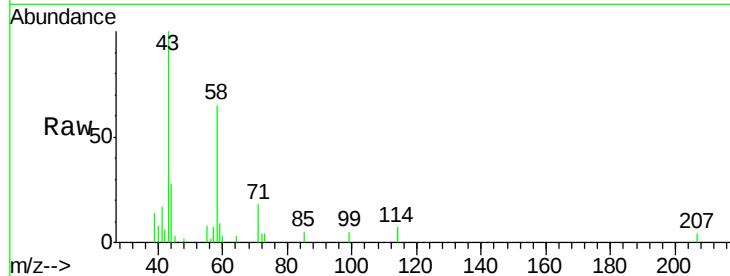
Ion Ratio Lower Upper

43 100

70 0.0 39.6 59.4#

55 14.2 20.7 31.1#

61 0.0 21.9 32.9#

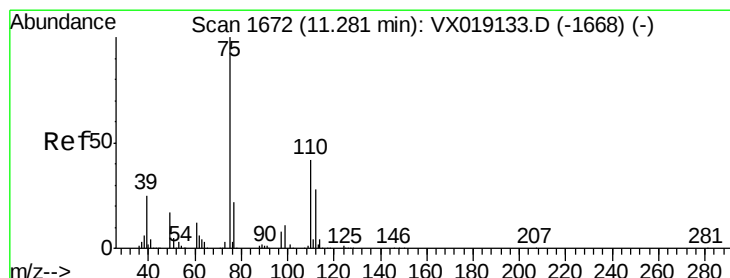
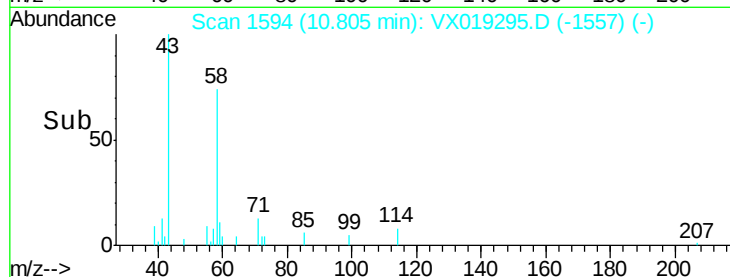
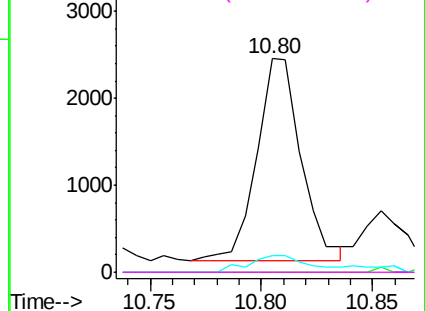


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 24.990 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019295.D

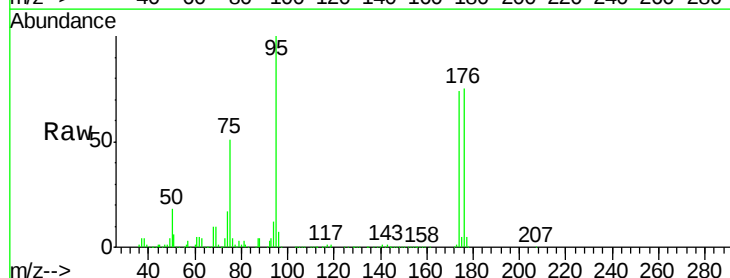
Acq: 05 Nov 2020 01:17

Tgt Ion: 75 Resp: 126448

Ion Ratio Lower Upper

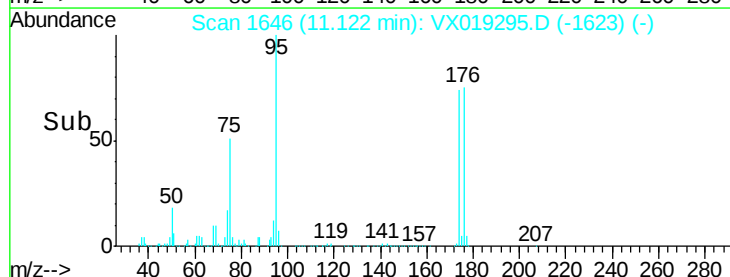
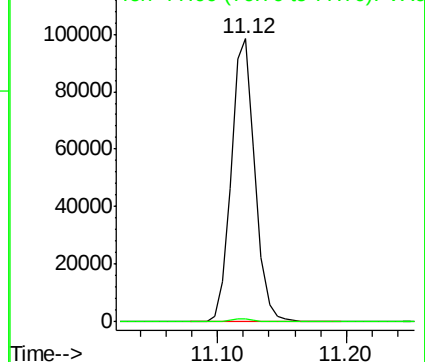
75 100

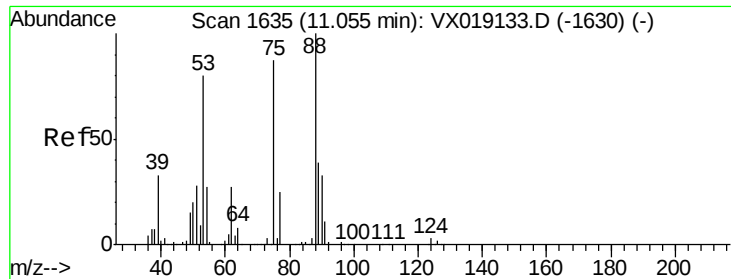
77 1.2 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 65.797 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019295.D
 Acq: 05 Nov 2020 01:17

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B8-110320-19-20

Tot Ion: 75 Resp: 126448
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.3 109.9#
 89 0.0 38.2 57.2#

