

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091520\
 Data File : VX018423.D
 Acq On : 15 Sep 2020 21:26
 Operator : JC/SP
 Sample : L3993-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B38-091120-16-17

Quant Time: Sep 16 03:40:30 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	418194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	689802	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	688982	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	328660	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	312448	53.82	ug/l	0.00
Spiked Amount			Recovery	=	107.64%	
35) Dibromofluoromethane	5.47	113	245071	52.17	ug/l	0.00
Spiked Amount			Recovery	=	104.34%	
50) Toluene-d8	8.70	98	872551	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
62) 4-Bromofluorobenzene	11.12	95	321866	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

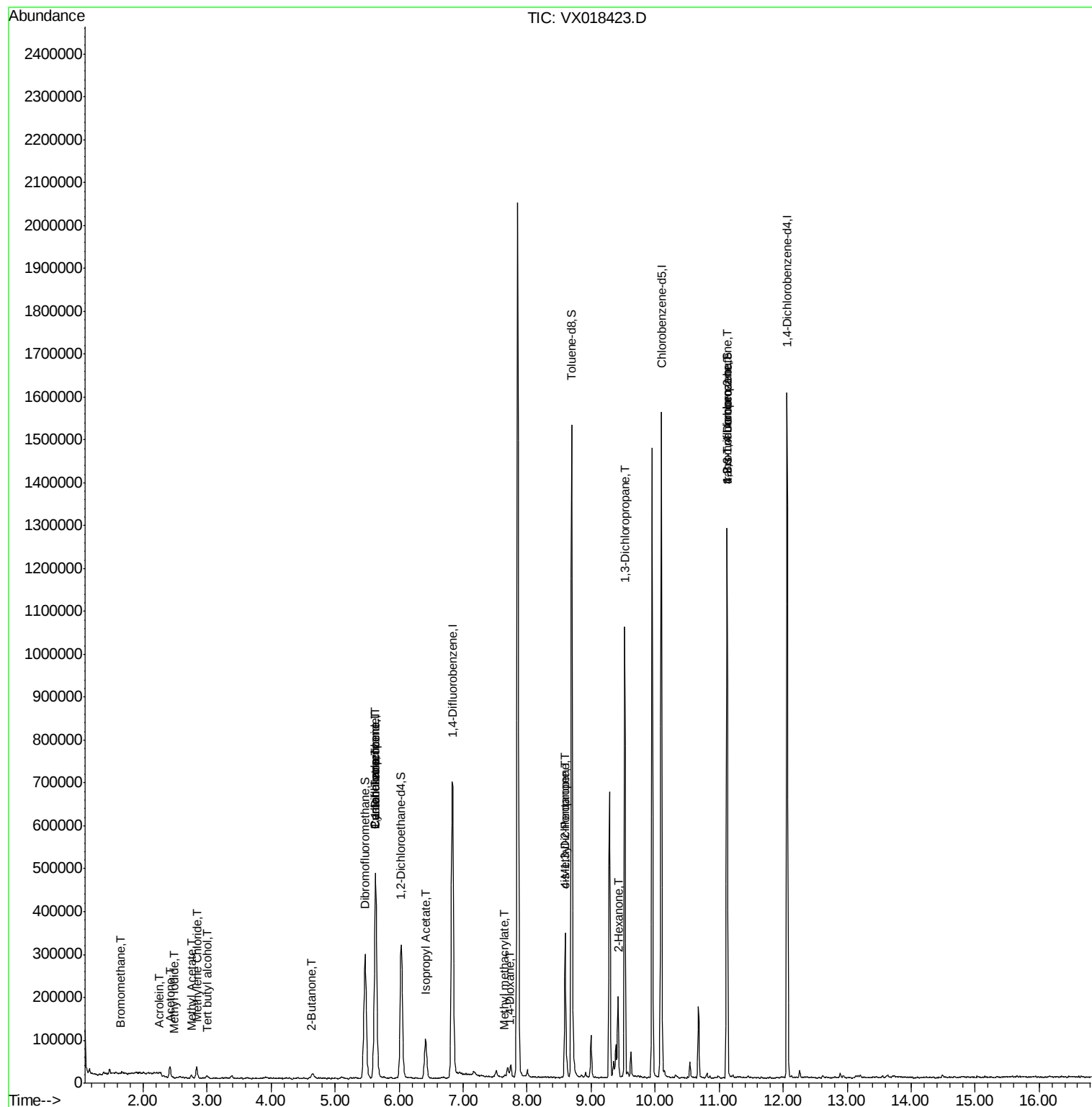
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	592	0.230	ug/l #	3
10) Methyl Iodide	2.49	142	50	5.297	ug/l #	1
11) Tert butyl alcohol	3.01	59	3199	2.834	ug/l	97
13) Acrolein	2.26	56	864	1.846	ug/l #	75
16) Acetone	2.42	43	27845	12.309	ug/l	99
18) Methyl Acetate	2.75	43	8851	1.621	ug/l	96
20) Methylene Chloride	2.84	84	12557	1.584	ug/l	98
25) 2-Butanone	4.63	43	6329	1.702	ug/l	99
31) Cyclohexane	5.62	56	10935	1.574	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	33336	5.240	ug/l #	53
38) Carbon Tetrachloride	5.63	117	44440	6.198	ug/l #	18
43) Isopropyl Acetate	6.41	43	125396	10.506	ug/l	99
48) Methyl methacrylate	7.65	41	6333	1.066	ug/l #	16
49) 1,4-Dioxane	7.73	88	130	1.208	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	126020	17.093	ug/l #	47
54) cis-1,3-Dichloropropene	8.60	75	51969	6.257	ug/l #	63
57) 1,3-Dichloropropane	9.52	76	8362	1.003	ug/l #	44
59) 2-Hexanone	9.42	43	140866	25.128	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	170712	23.349	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	170712	63.063	ug/l #	13

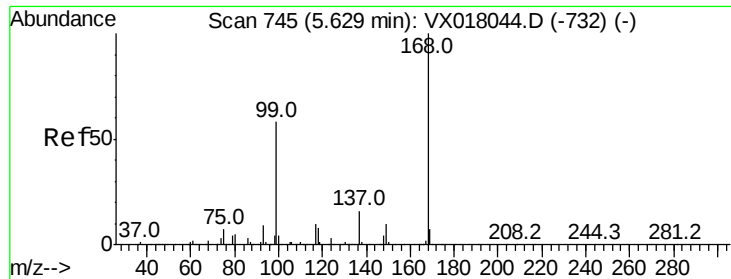
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018423.D

Acq: 15 Sep 2020 21:26

Instrument :

MSVOA_X

ClientSampleId :

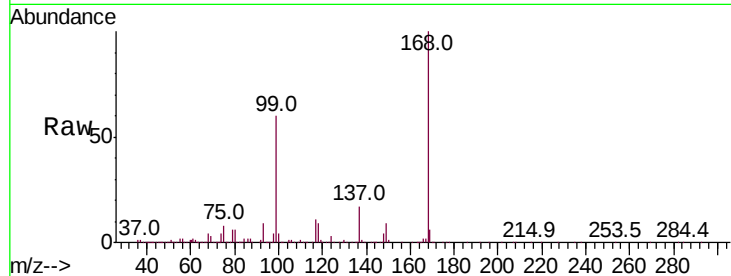
PAV-B38-091120-16-17

Tot Ion:168 Resp: 418194

Ion Ratio Lower Upper

168 100

99 59.6 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

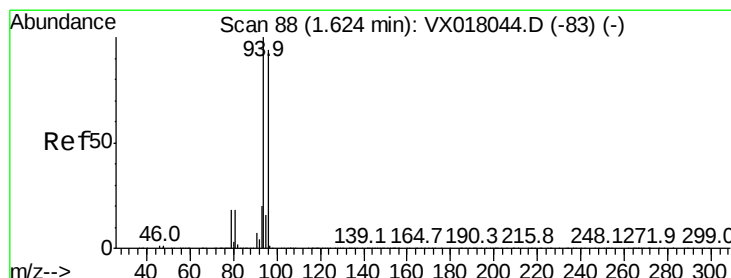
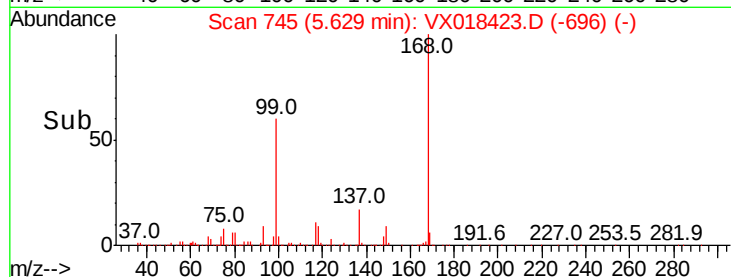
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.230 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX018423.D

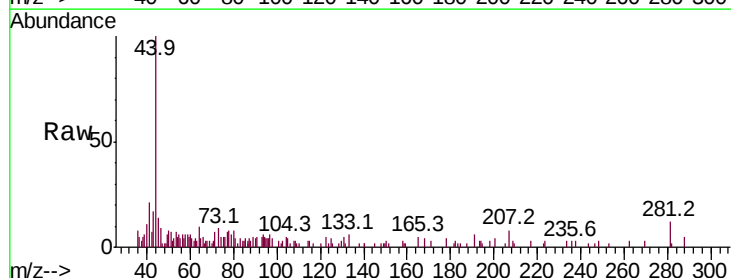
Acq: 15 Sep 2020 21:26

Tgt Ion: 94 Resp: 592

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

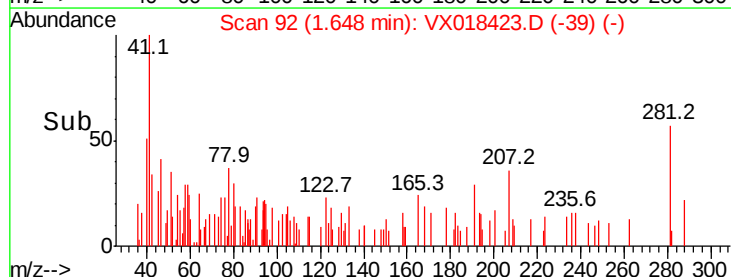
300

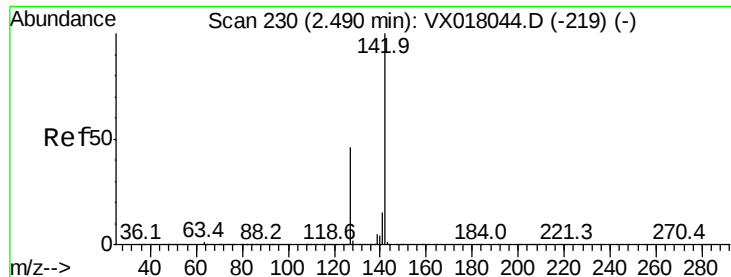
200

100

0

Time-->

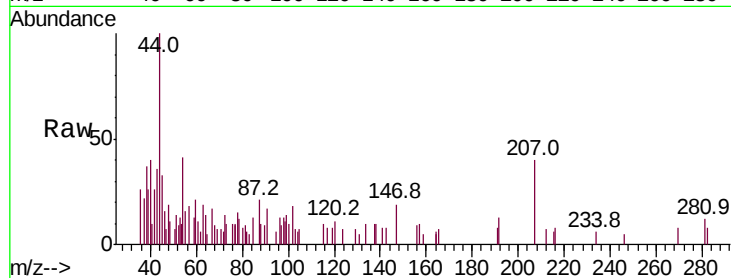




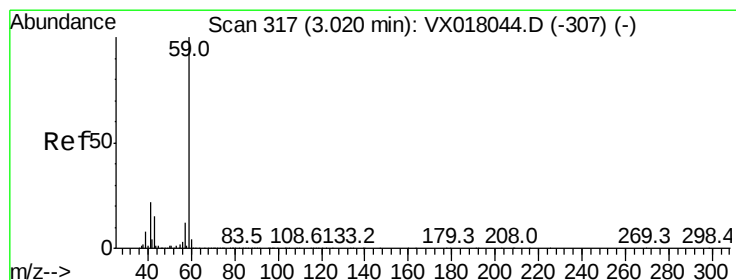
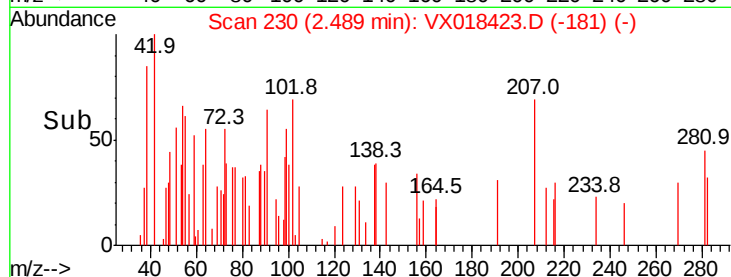
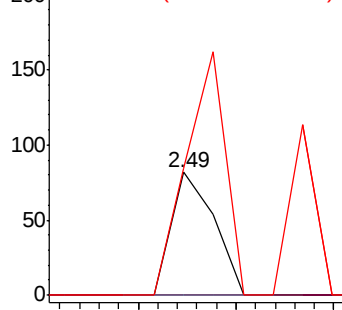
#10
Methvl Iodide
Concen: 5.297 ug/l
RT: 2.49 min Scan# 230
Delta R.T. 0.00 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

Instrument :
MSVOA_X
ClientSampleId :
PAV-B38-091120-16-17

Tot Ion	Ratio	Lower	Upper
142	100		
127	0.0	37.0	55.6#
141	180.0	11.5	17.3#

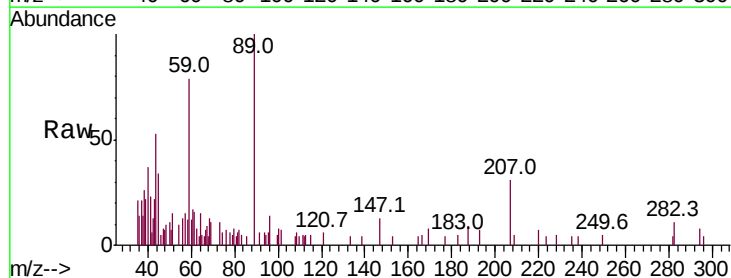


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

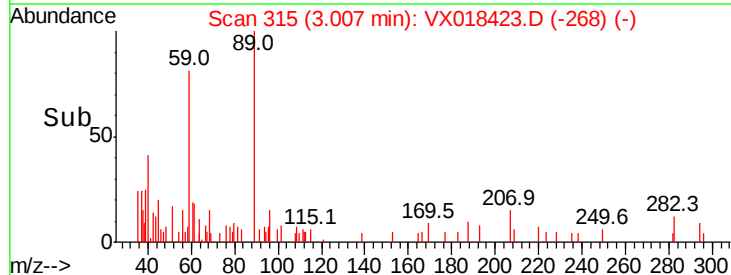
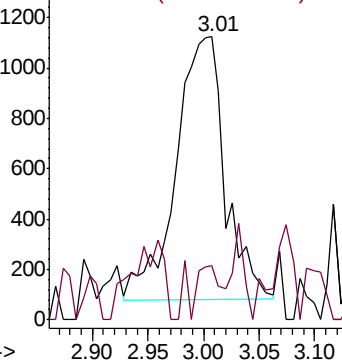


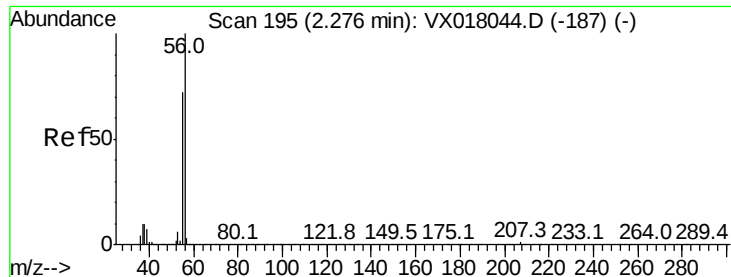
#11
Tert butyl alcohol
Concen: 2.834 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.9	13.3



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0

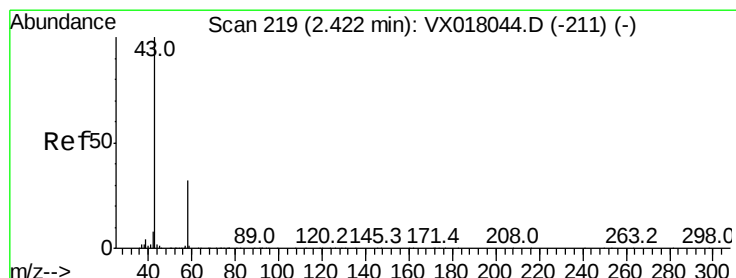
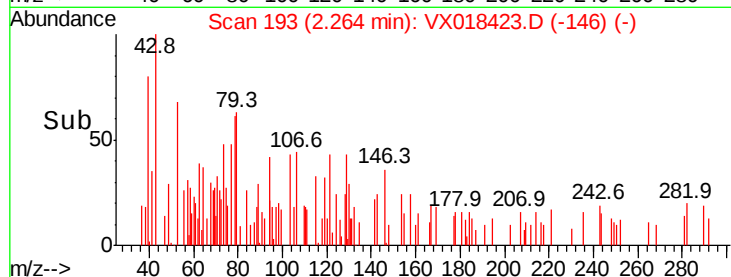
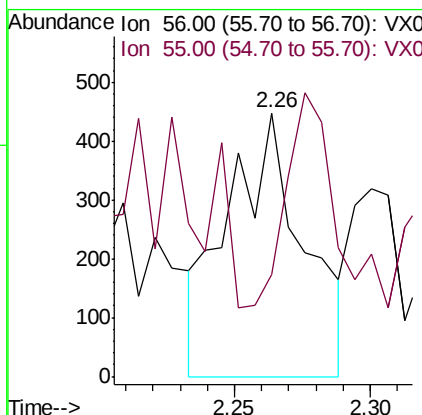
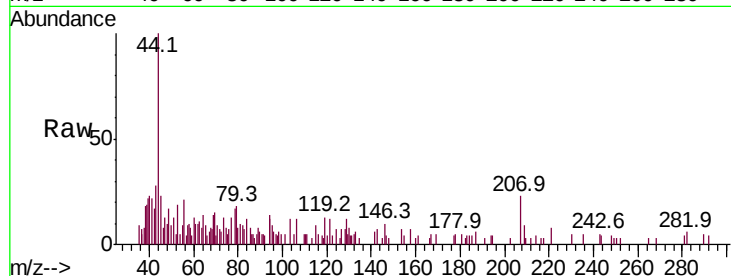




#13
Acrolein
Concen: 1.846 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

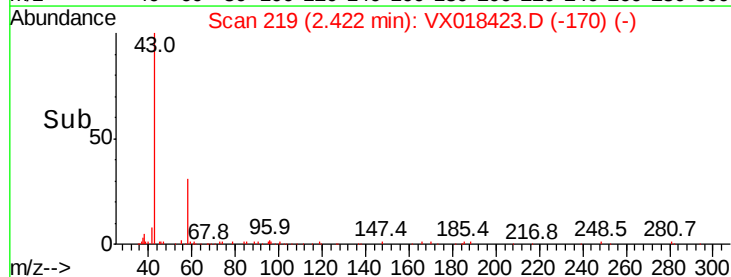
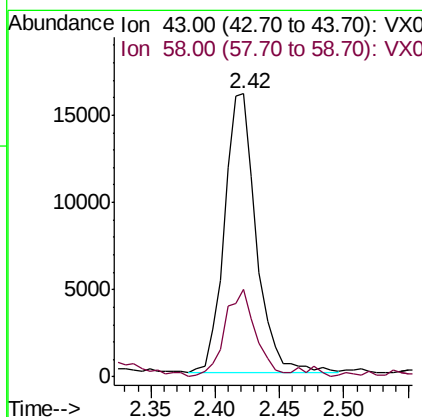
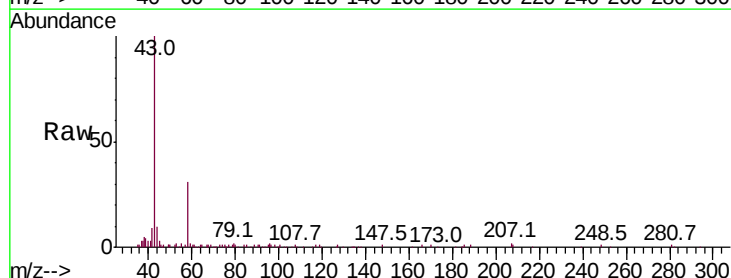
Instrument :
MSVOA_X
ClientSampleId :
PAV-B38-091120-16-17

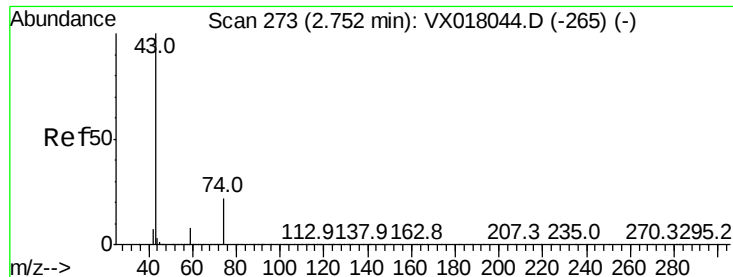
Tot Ion: 56 Resp: 864
Ion Ratio Lower Upper
56 100
55 50.8 57.0 85.6#



#16
Acetone
Concen: 12.309 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

Tgt Ion: 43 Resp: 27845
Ion Ratio Lower Upper
43 100
58 31.1 25.5 38.3

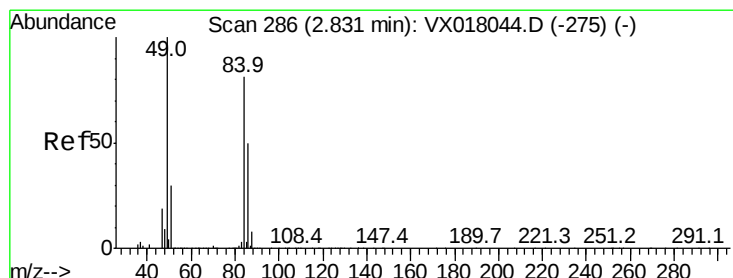
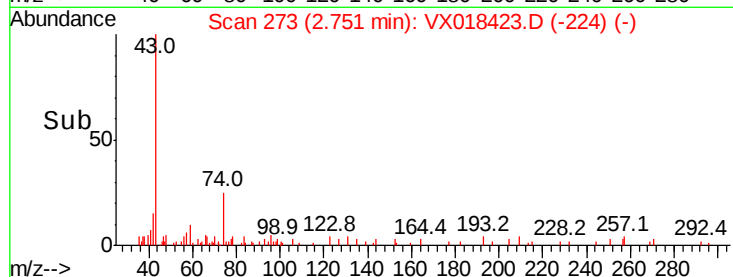
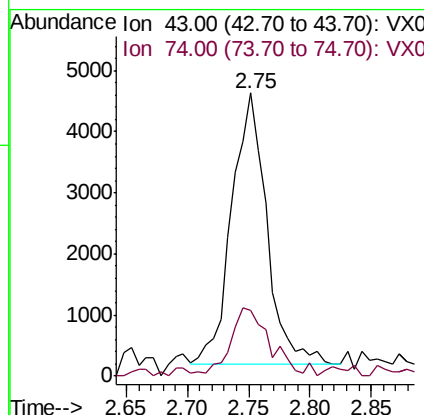
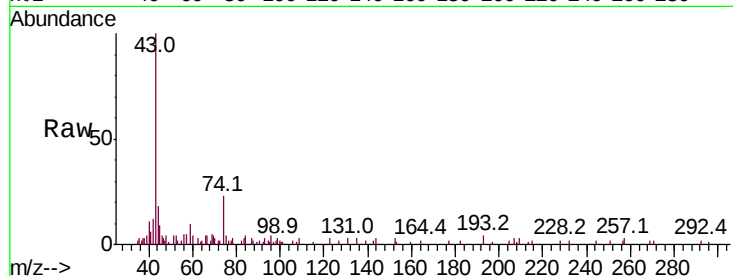




#18
Methvl Acetate
Concen: 1.621 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

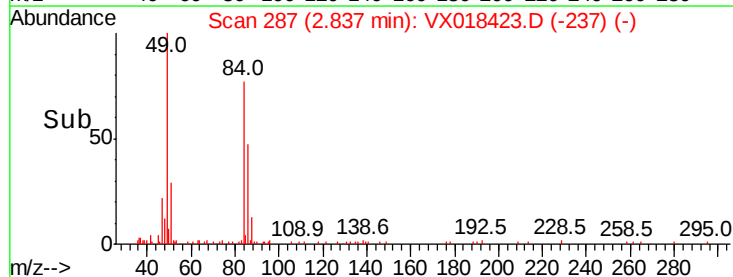
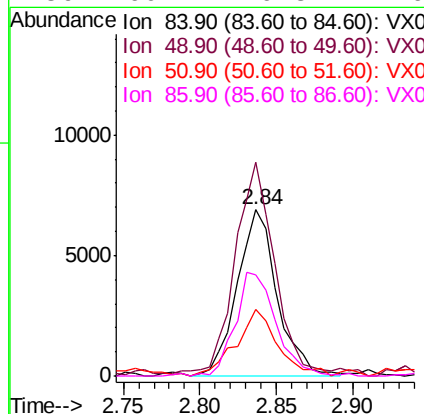
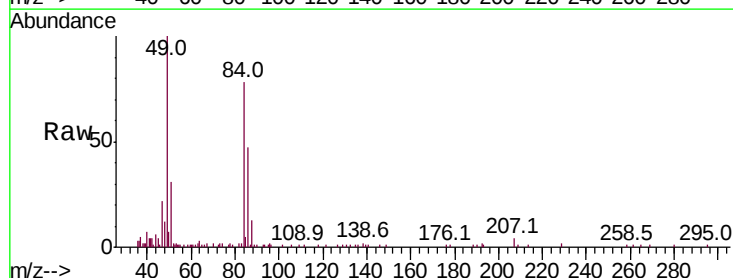
Instrument :
MSVOA_X
ClientSampleId :
PAV-B38-091120-16-17

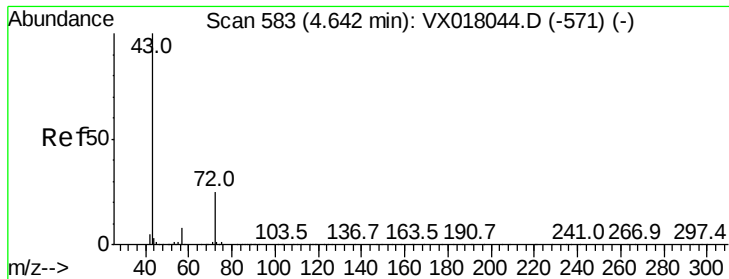
Tot Ion: 43 Resp: 8851
Ion Ratio Lower Upper
43 100
74 24.7 18.2 27.4



#20
Methylene Chloride
Concen: 1.584 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

Tgt Ion: 84 Resp: 12557
Ion Ratio Lower Upper
84 100
49 125.3 98.6 148.0
51 37.8 29.6 44.4
86 60.7 49.8 74.6

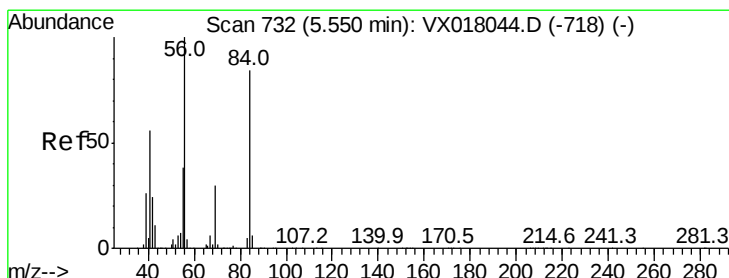
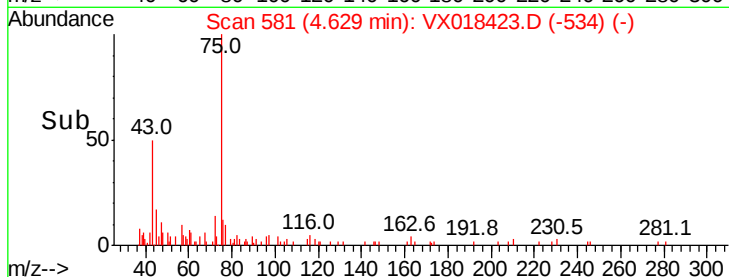
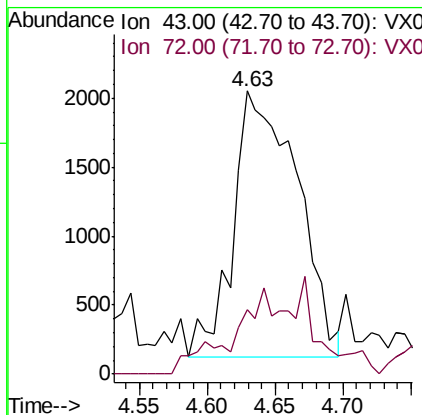
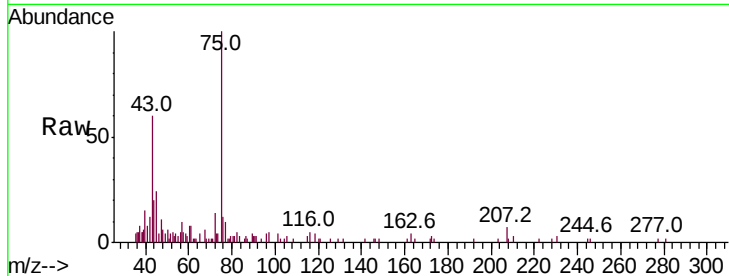




#25
2-Butanone
Concen: 1.702 ug/l
RT: 4.63 min Scan# 581
Delta R.T. -0.01 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

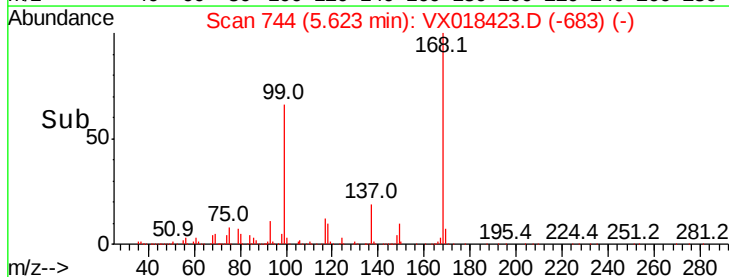
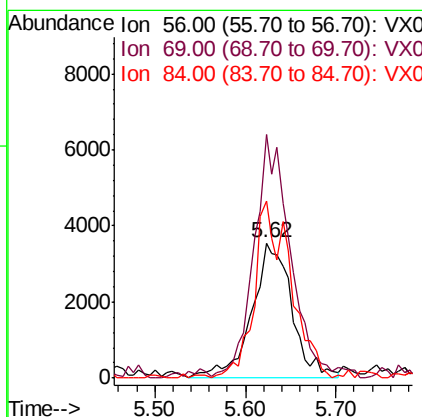
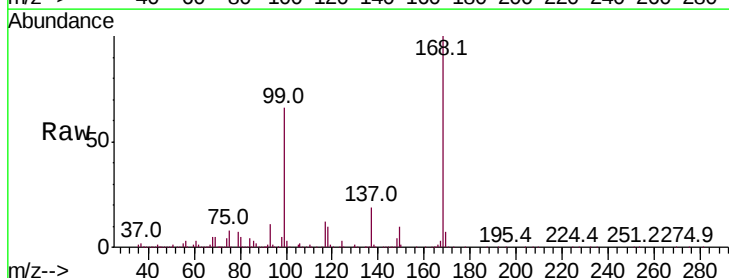
Instrument :
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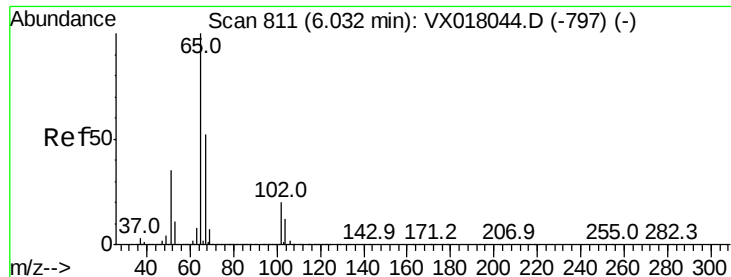
Tot Ion: 43 Resp: 6329
Ion Ratio Lower Upper
43 100
72 24.2 19.8 29.6



#31
Cyclohexane
Concen: 1.574 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

Tgt Ion: 56 Resp: 10935
Ion Ratio Lower Upper
56 100
69 175.7 23.9 35.9#
84 131.6 67.0 100.4#





#33

1,2-Dichloroethane-d4

Concen: 53.818 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018423.D

Acq: 15 Sep 2020 21:26

Instrument :

MSVOA_X

ClientSampleId :

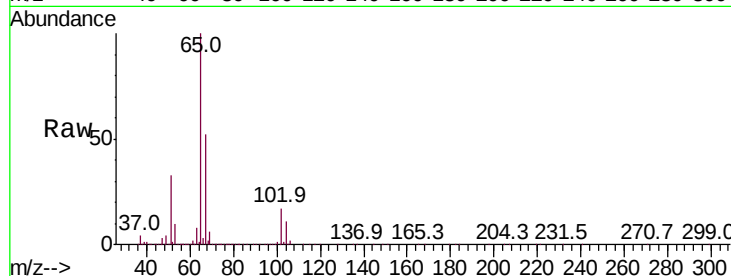
PAV-B38-091120-16-17

Tot Ion: 65 Resp: 312448

Ion Ratio Lower Upper

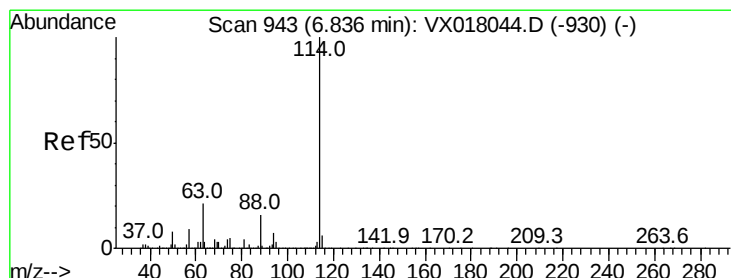
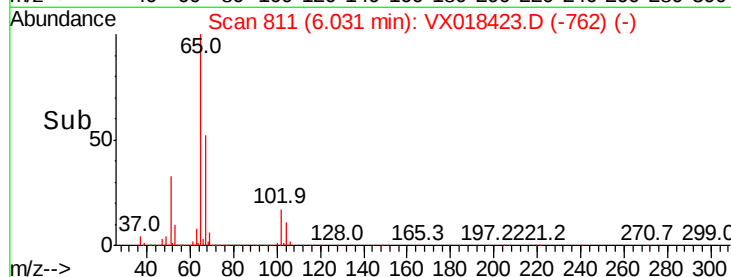
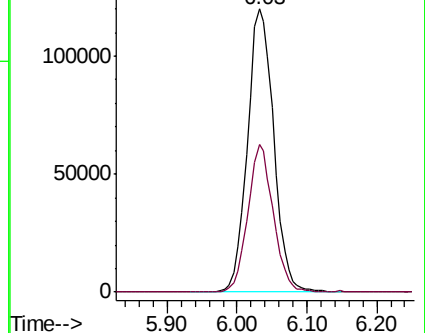
65 100

67 50.6 0.0 105.8



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. -0.01 min

Lab File: VX018423.D

Acq: 15 Sep 2020 21:26

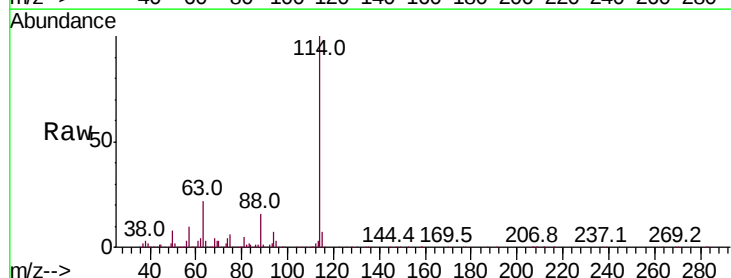
Tgt Ion: 114 Resp: 689802

Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.6

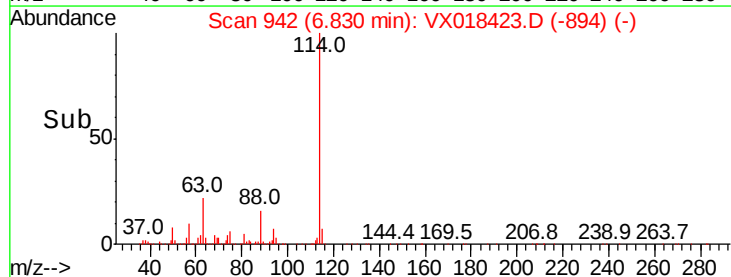
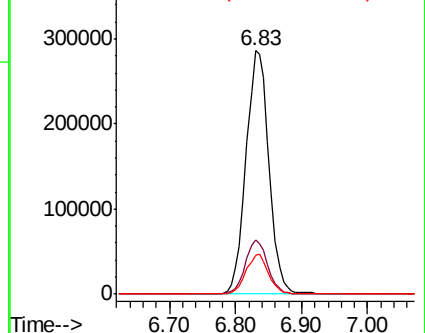
88 15.8 0.0 31.8

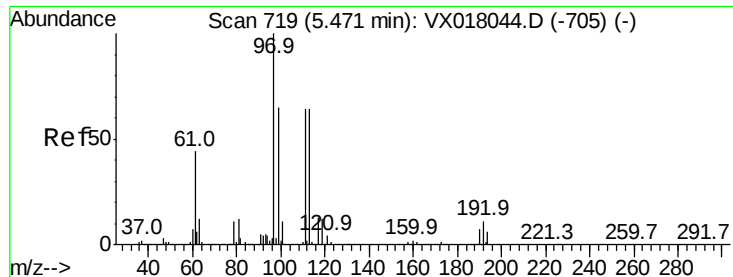


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 52.166 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018423.D

Acq: 15 Sep 2020 21:26

Instrument :

MSVOA_X

ClientSampleId :

PAV-B38-091120-16-17

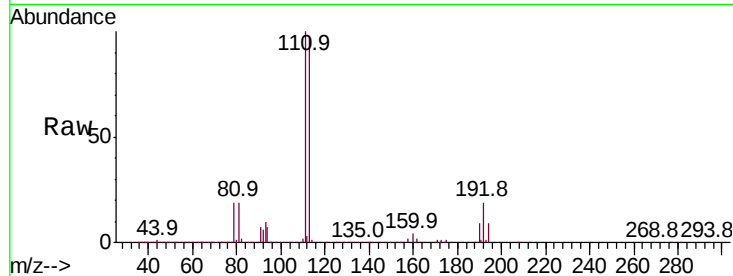
Tot Ion:113 Resp: 245071

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

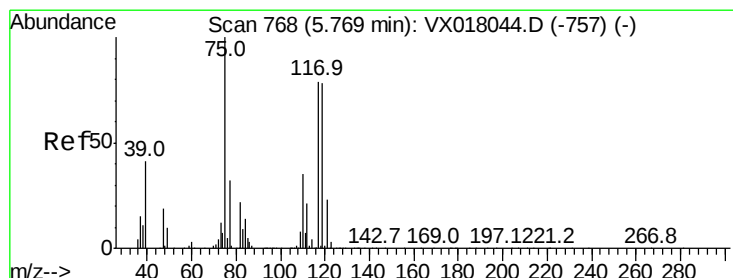
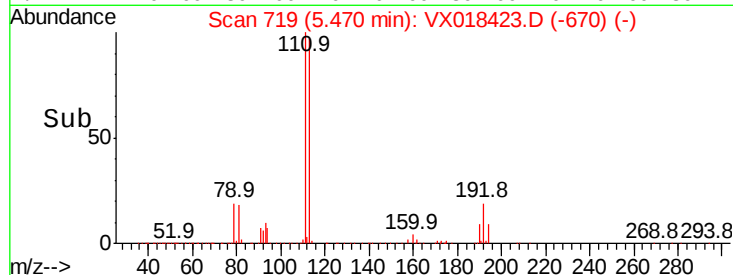
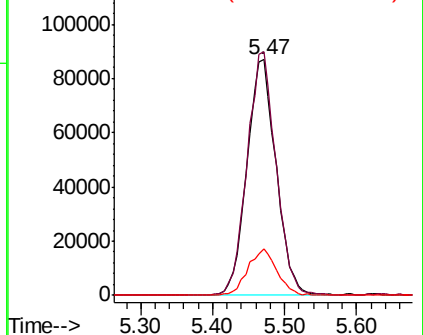
192 19.7 15.8 23.8



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: 5.240 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX018423.D

Acq: 15 Sep 2020 21:26

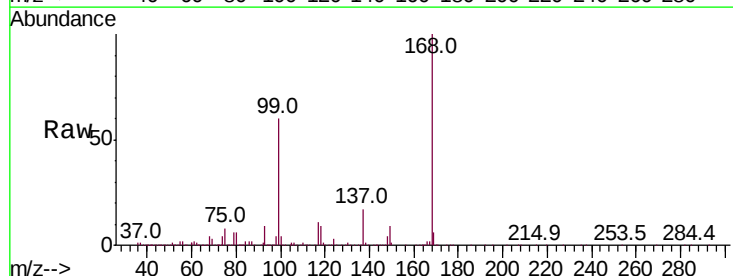
Tgt Ion: 75 Resp: 33336

Ion Ratio Lower Upper

75 100

110 12.2 18.0 54.0#

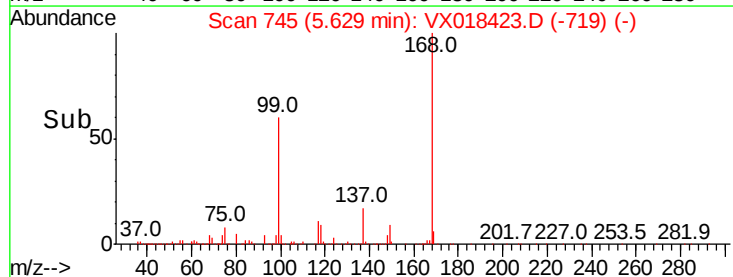
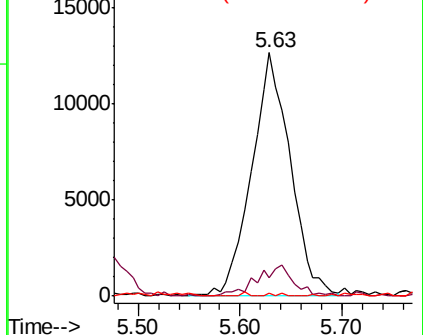
77 0.4 24.4 36.6#

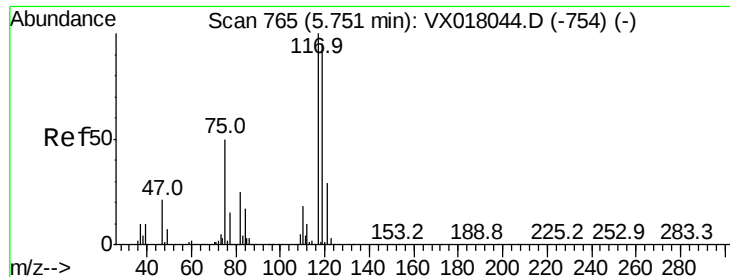


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.198 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX018423.D

Acq: 15 Sep 2020 21:26

Instrument :

MSVOA_X

ClientSampleId :

PAV-B38-091120-16-17

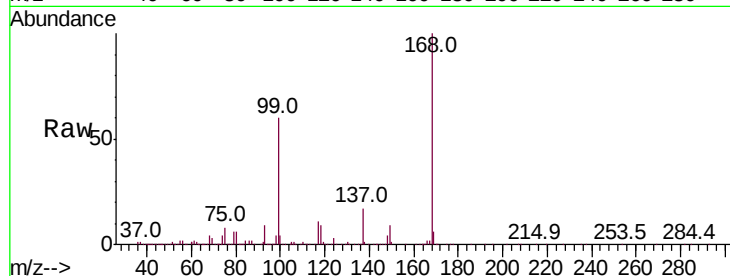
Tot Ion:117 Resp: 44440

Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

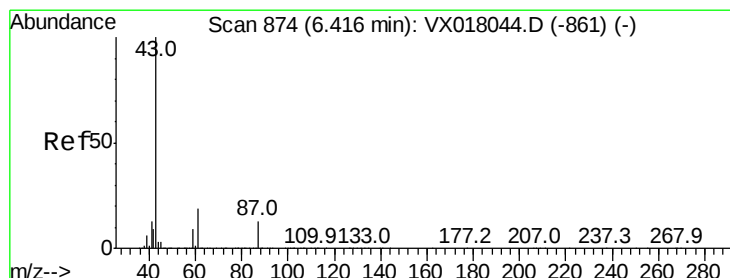
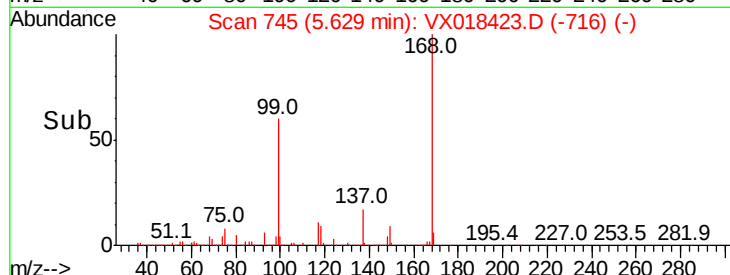
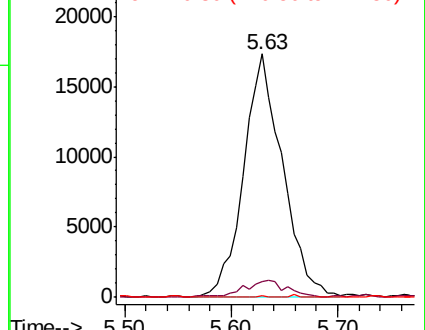
121 0.6 23.4 35.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 10.506 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.01 min

Lab File: VX018423.D

Acq: 15 Sep 2020 21:26

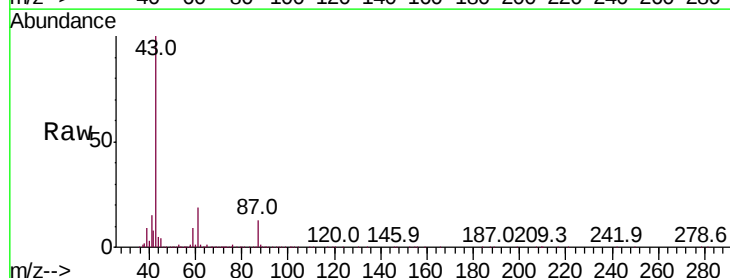
Tgt Ion: 43 Resp: 125396

Ion Ratio Lower Upper

43 100

61 19.4 15.7 23.5

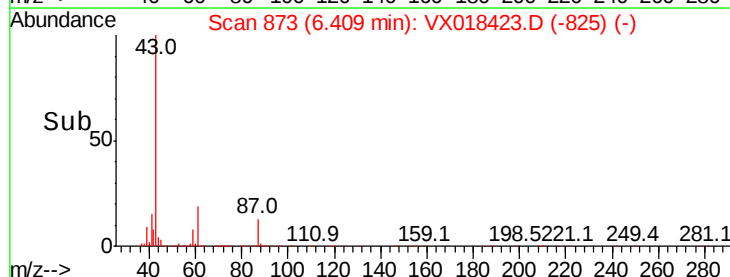
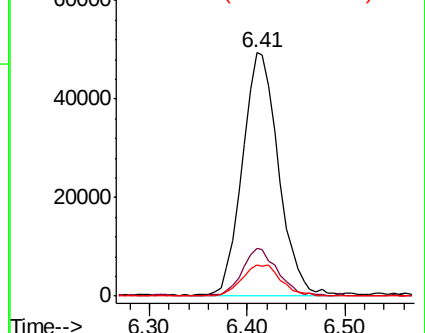
87 14.1 10.3 15.5

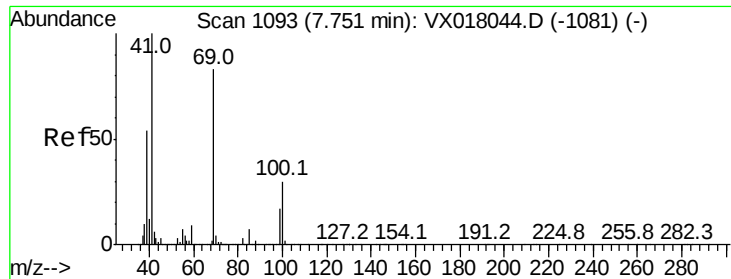


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

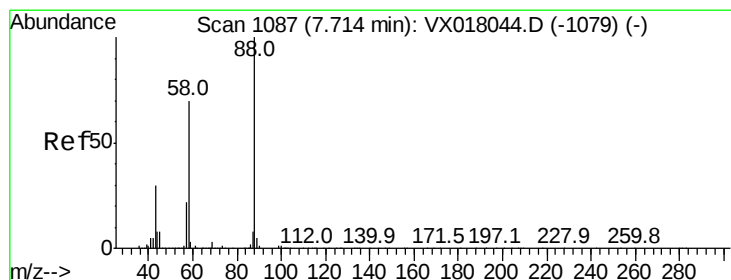
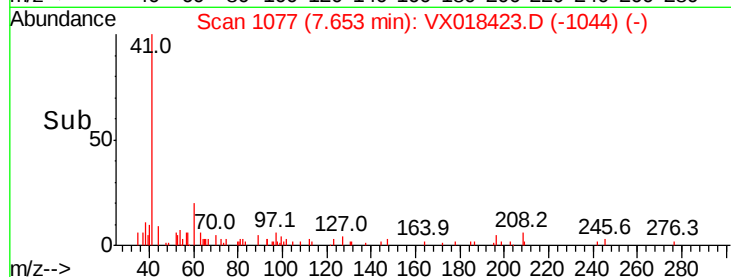
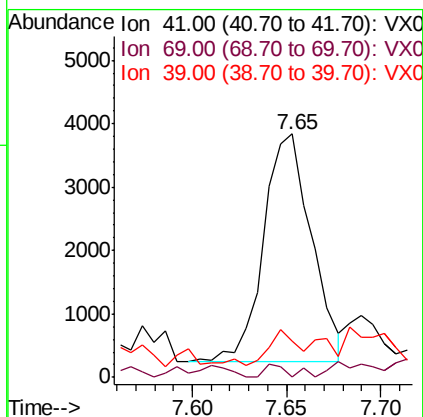
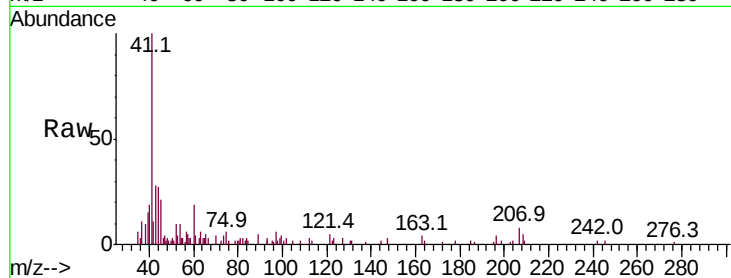




#48
Methyl methacrylate
Concen: 1.066 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.10 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

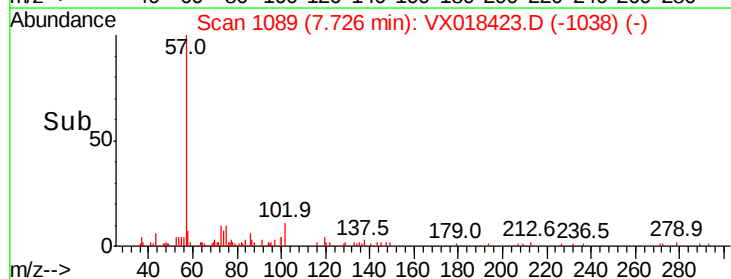
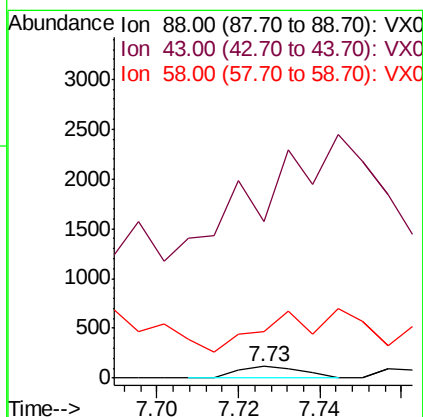
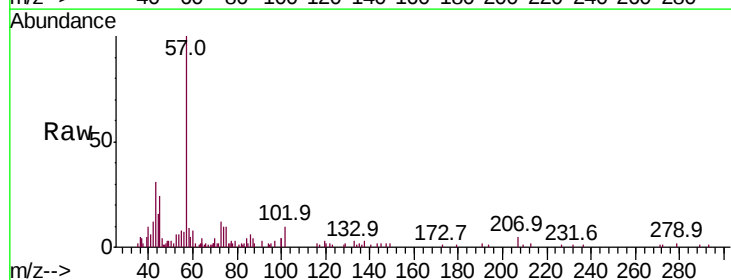
Instrument :
MSVOA_X
ClientSampleId :
PAV-B38-091120-16-17

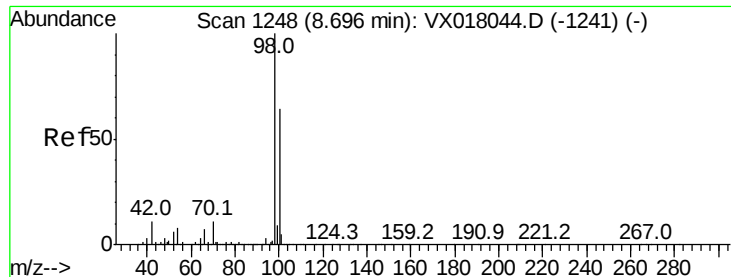
Tot Ion	Ratio	Lower	Upper
41	100		
69	2.2	65.5	98.3#
39	0.0	44.5	66.7#



#49
1,4-Dioxane
Concen: 1.208 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.4	41.0#
58	278.5	56.4	84.6#





#50

Toluene-d8

Concen: 49.867 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018423.D

Acq: 15 Sep 2020 21:26

Instrument :

MSVOA_X

ClientSampleId :

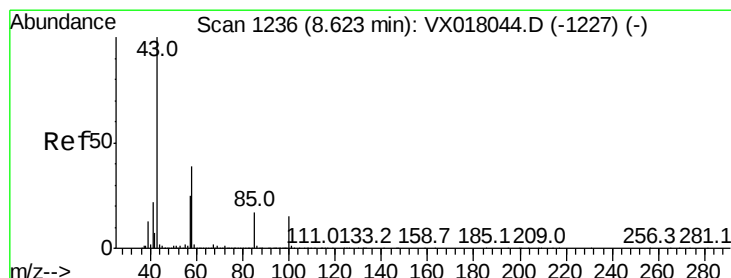
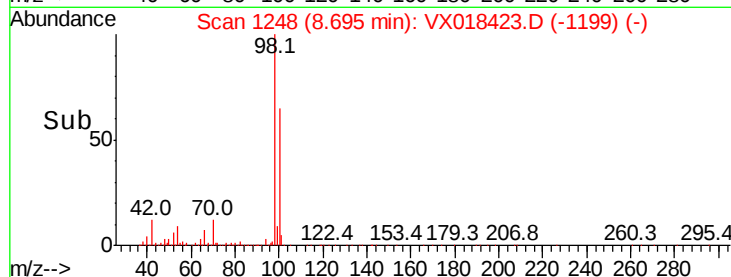
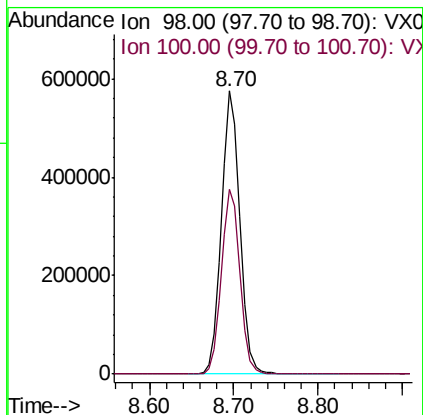
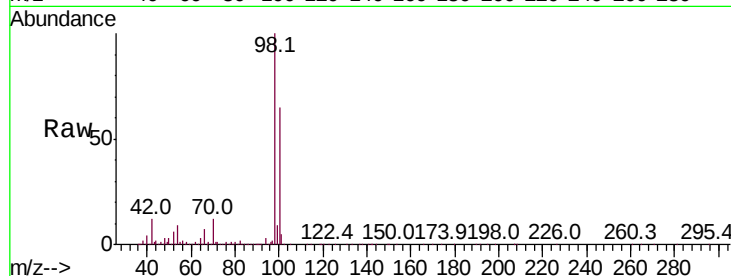
PAV-B38-091120-16-17

Tot Ion: 98 Resp: 872551

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 17.093 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX018423.D

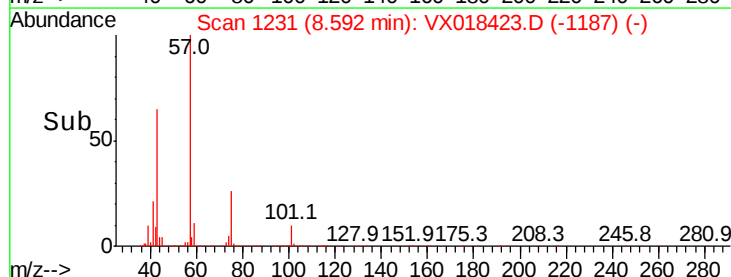
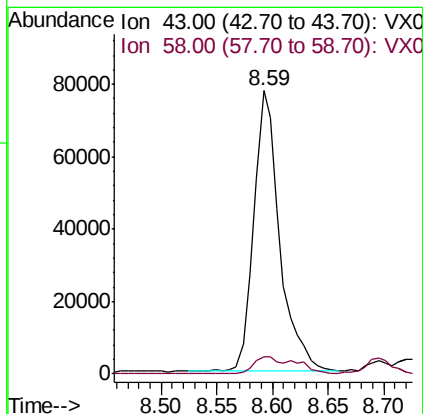
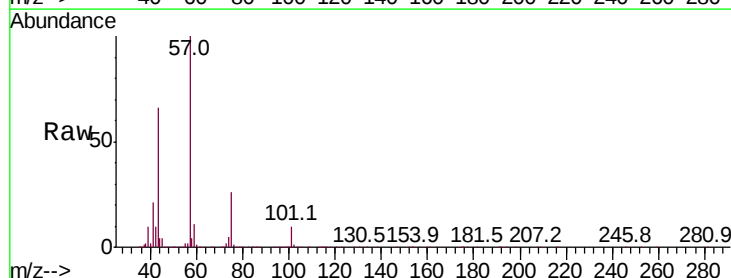
Acq: 15 Sep 2020 21:26

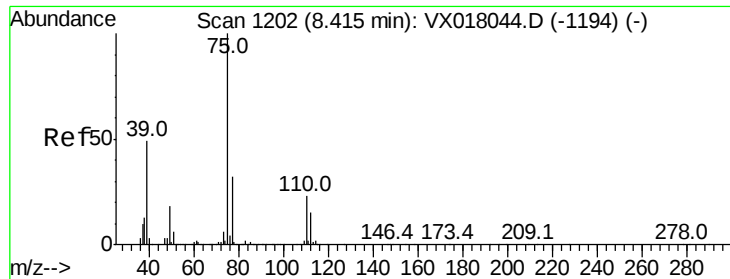
Tgt Ion: 43 Resp: 126020

Ion Ratio Lower Upper

43 100

58 6.3 30.7 46.1#



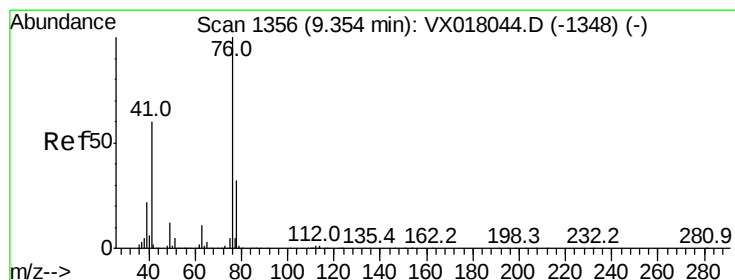
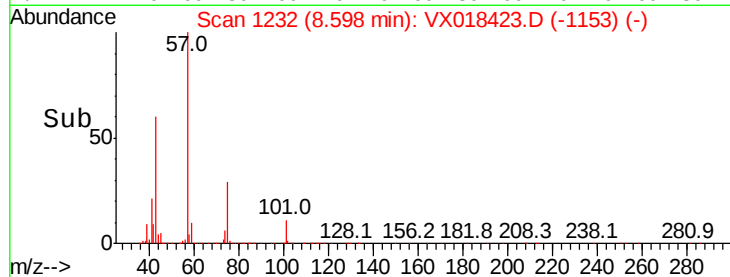
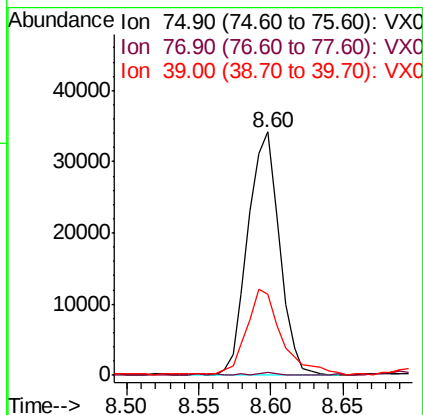
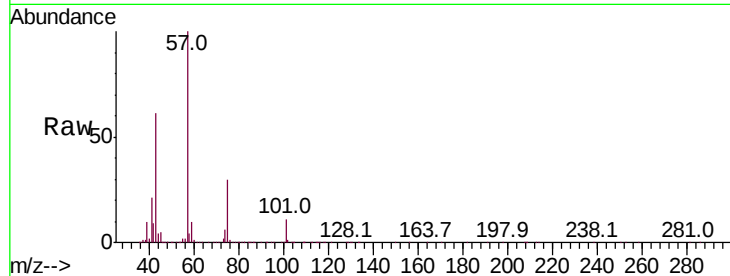


#54

cis-1,3-Dichloropropene
 Concen: 6.257 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX018423.D
 Acq: 15 Sep 2020 21:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B38-091120-16-17

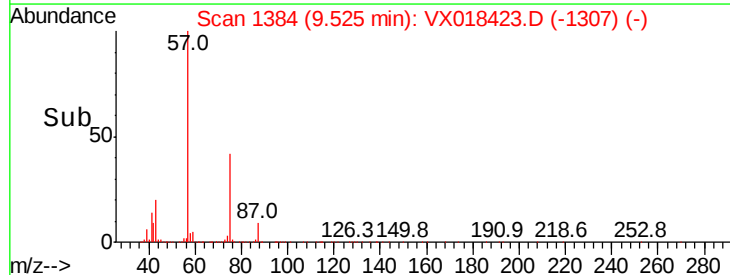
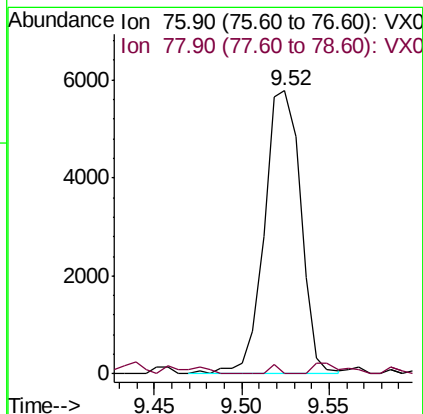
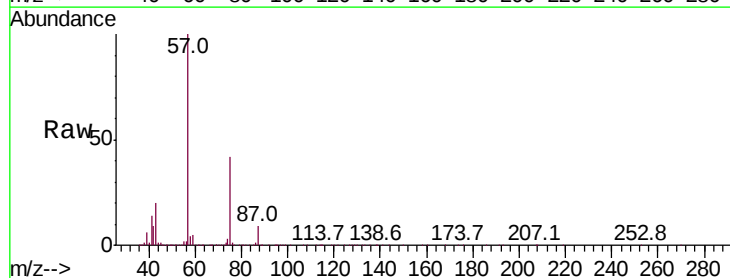
Tot Ion: 75 Resp: 51969
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.8 38.8#
 39 32.2 38.8 58.2#

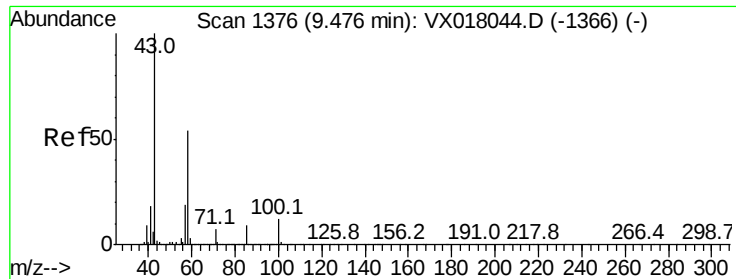


#57

1,3-Dichloropropane
 Concen: 1.003 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX018423.D
 Acq: 15 Sep 2020 21:26

Tgt Ion: 76 Resp: 8362
 Ion Ratio Lower Upper
 76 100
 78 0.8 25.8 38.6#

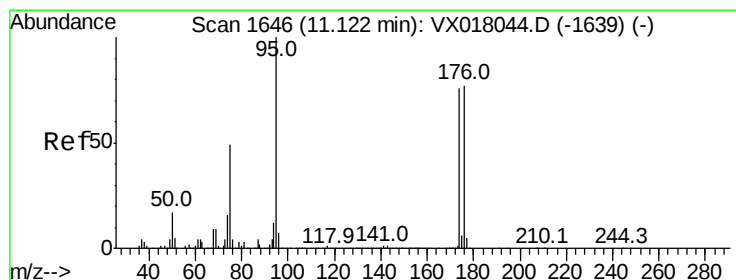
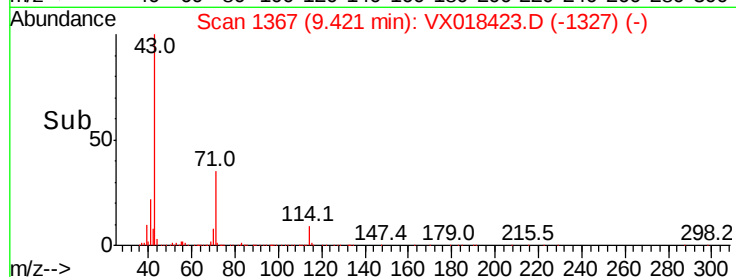
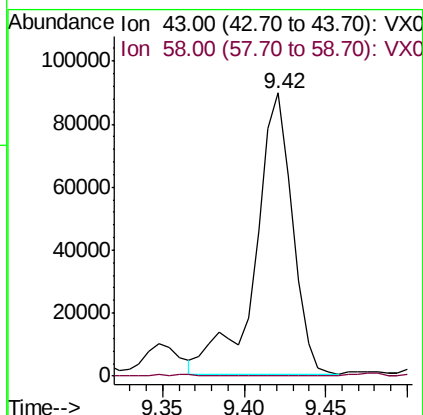
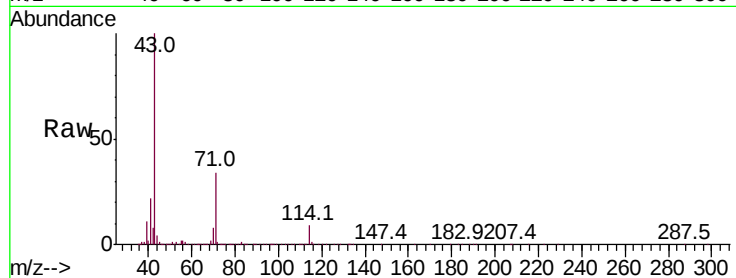




#59
2-Hexanone
Concen: 25.128 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.06 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

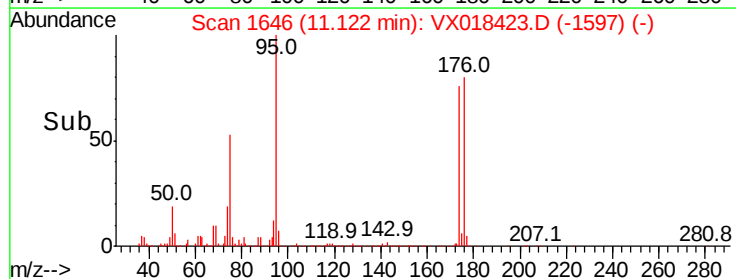
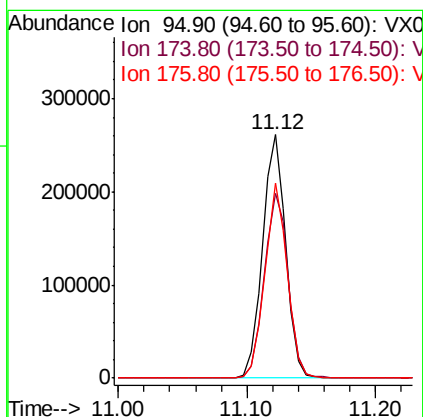
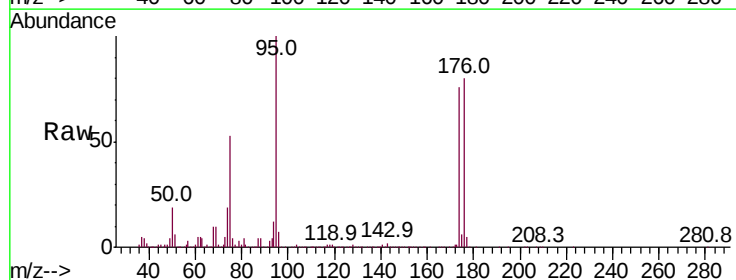
Instrument :
MSVOA_X
ClientSampleId :
PAV-B38-091120-16-17

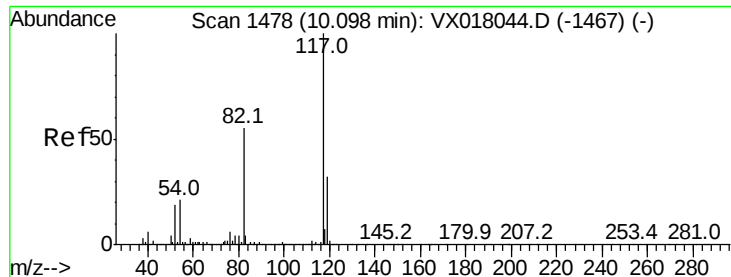
Tot Ion: 43 Resp: 140866
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 46.754 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

Tgt Ion: 95 Resp: 321866
Ion Ratio Lower Upper
95 100
174 78.9 0.0 160.2
176 77.8 0.0 155.8

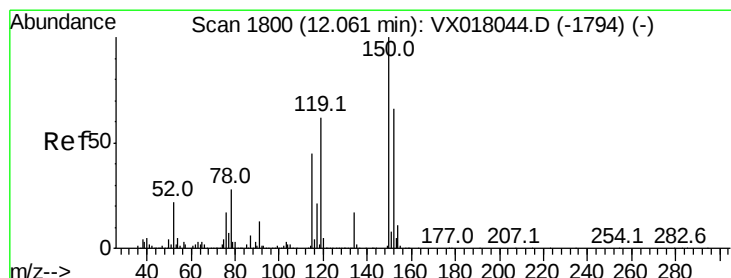
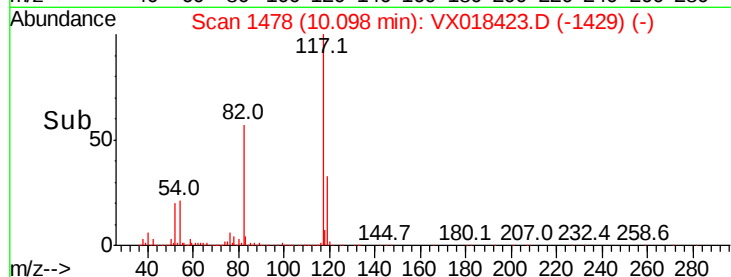
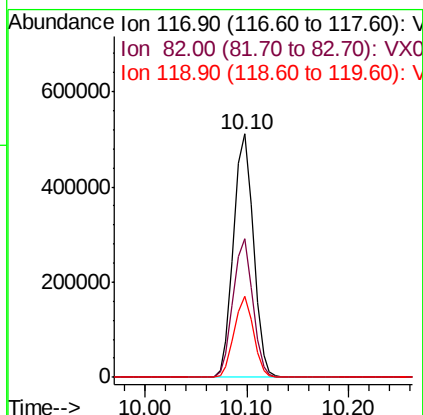
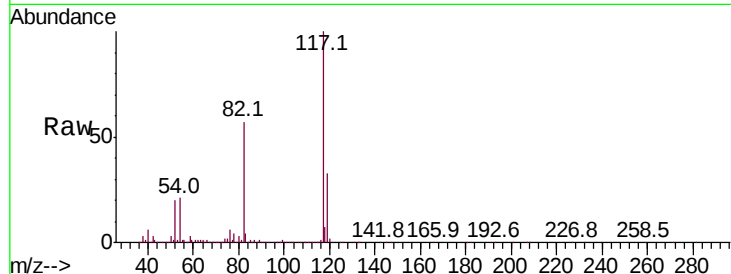




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

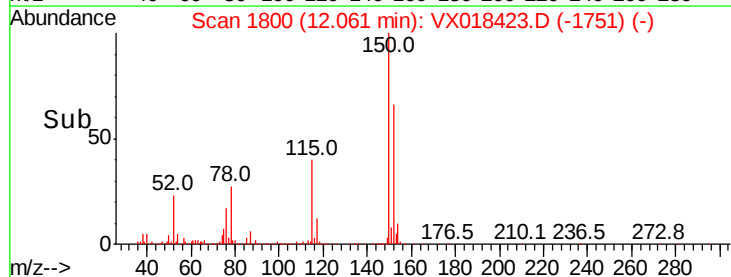
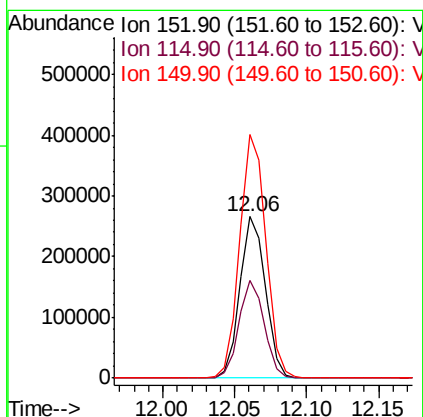
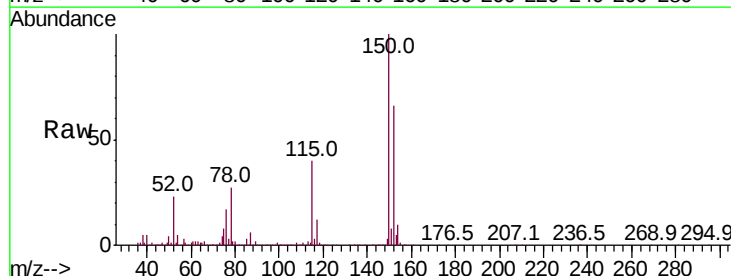
Instrument :
MSVOA_X
ClientSampleId :
PAV-B38-091120-16-17

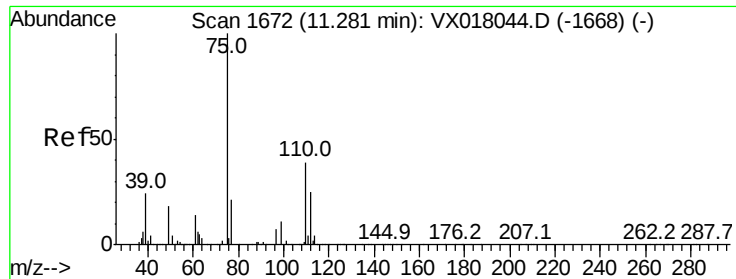
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.2	66.2
119	33.1	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018423.D
Acq: 15 Sep 2020 21:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	41.5	124.5
150	154.5	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.349 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018423.D

Acq: 15 Sep 2020 21:26

Instrument :

MSVOA_X

ClientSampleId :

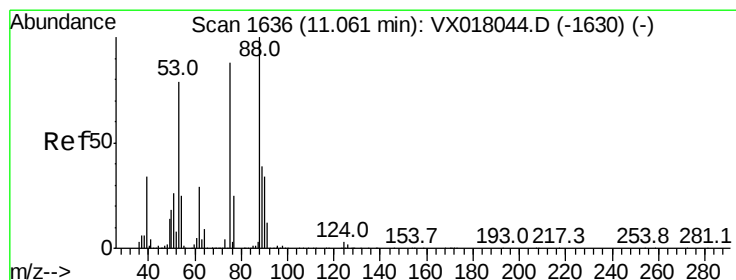
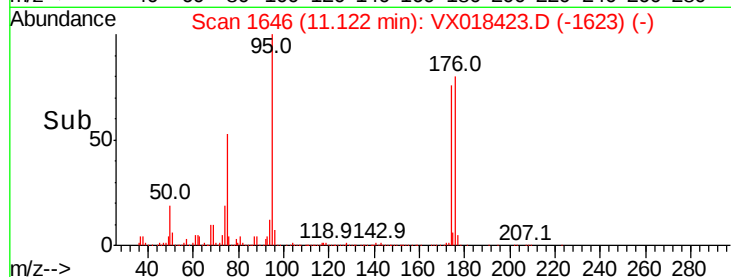
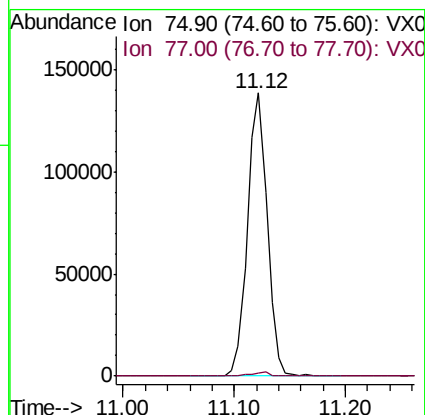
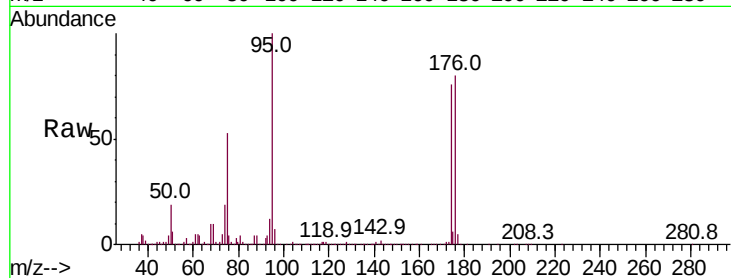
PAV-B38-091120-16-17

Tot Ion: 75 Resp: 170712

Ion Ratio Lower Upper

75 100

77 1.4 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.063 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018423.D

Acq: 15 Sep 2020 21:26

Tgt Ion: 75 Resp: 170712

Ion Ratio Lower Upper

75 100

53 0.7 74.7 112.1#

89 0.2 36.6 54.8#

