

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018301.D
 Acq On : 09 Sep 2020 02:16
 Operator : JC/SP
 Sample : L3808-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B44-090320-DP

Quant Time: Sep 09 02:50:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	433269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	705262	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	693038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	332921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	314023	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
35) Dibromofluoromethane	5.47	113	242170	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	8.70	98	881917	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	
62) 4-Bromofluorobenzene	11.12	95	333595	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	

Target Compounds

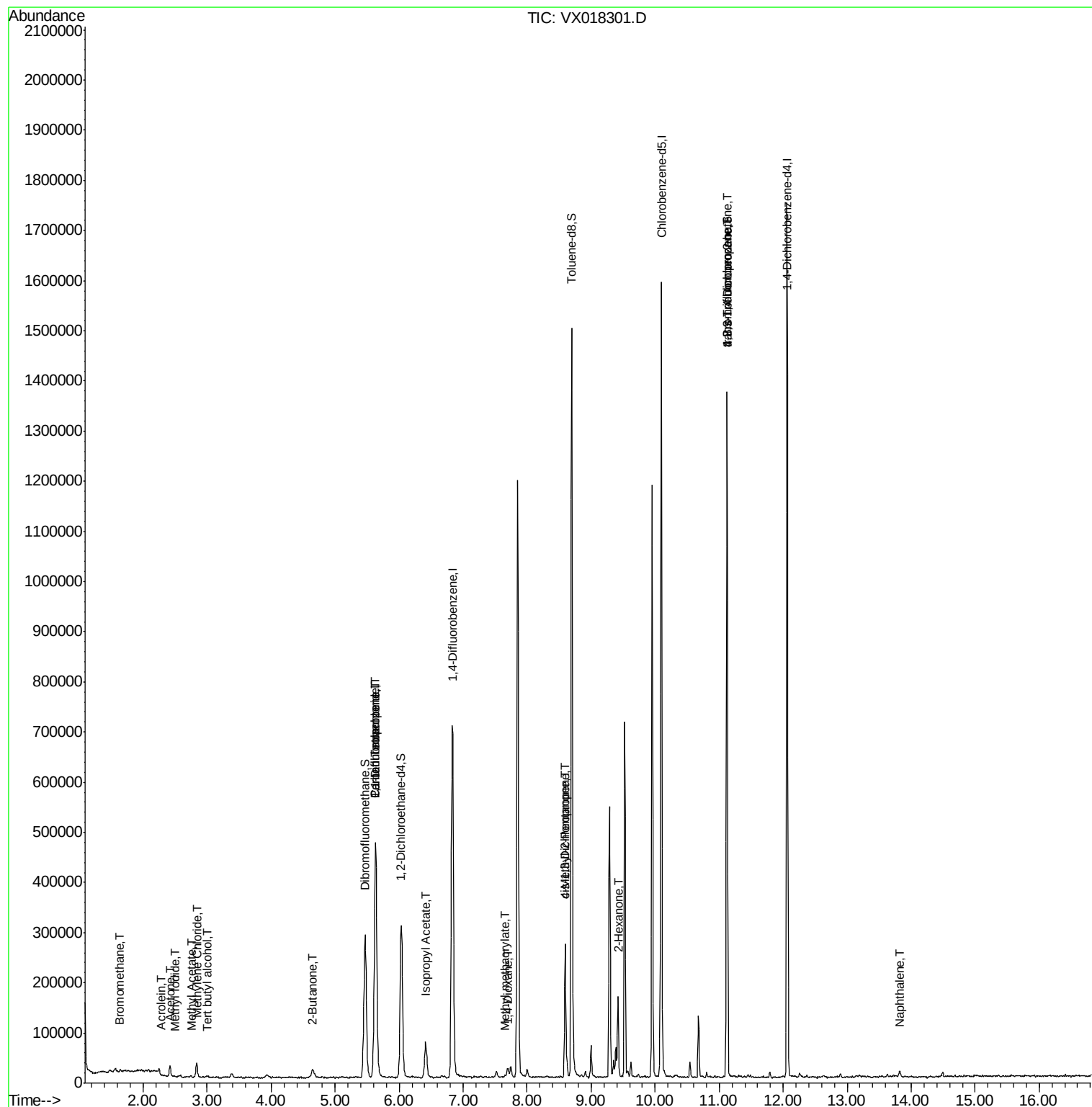
						Qvalue
5) Bromomethane	1.64	94	687	0.257	ug/l #	3
10) Methyl Iodide	2.50	142	410	5.371	ug/l #	92
11) Tert butyl alcohol	3.00	59	2176	1.861	ug/l #	66
13) Acrolein	2.28	56	388	0.800	ug/l #	69
16) Acetone	2.42	43	22736	9.701	ug/l	100
18) Methyl Acetate	2.75	43	4492	0.794	ug/l #	62
20) Methylene Chloride	2.84	84	14912	1.990	ug/l	90
25) 2-Butanone	4.64	43	5716	1.484	ug/l	98
36) 1,1-Dichloropropene	5.63	75	34408	5.290	ug/l #	52
38) Carbon Tetrachloride	5.63	117	44422	6.060	ug/l #	17
43) Isopropyl Acetate	6.42	43	96702	7.925	ug/l	99
48) Methyl methacrylate	7.65	41	7090	1.167	ug/l #	16
49) 1,4-Dioxane	7.71	88	90	0.818	ug/l #	23
51) 4-Methyl-2-Pentanone	8.60	43	99969	13.262	ug/l #	45
54) cis-1,3-Dichloropropene	8.60	75	41491	4.886	ug/l #	62
59) 2-Hexanone	9.42	43	115022	20.068	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	176649	23.852	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	176649	64.421	ug/l #	12
95) Naphthalene	13.82	128	7248	0.329	ug/l #	86

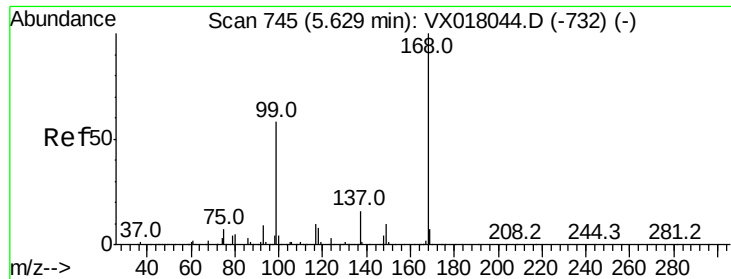
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018301.D

Acq: 09 Sep 2020 02:16

Instrument :

MSVOA_X

ClientSampleId :

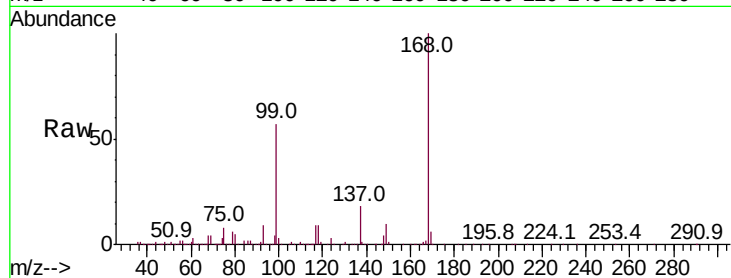
PAV-B44-090320-DP

Tot Ion:168 Resp: 433269

Ion Ratio Lower Upper

168 100

99 56.6 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

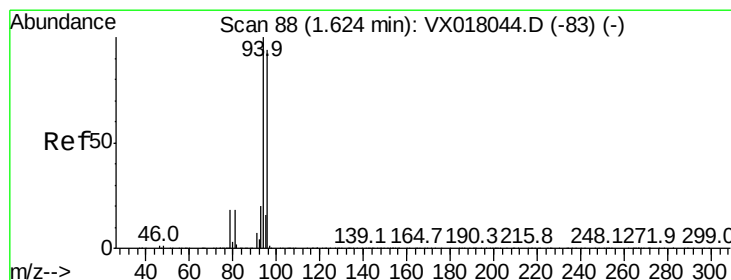
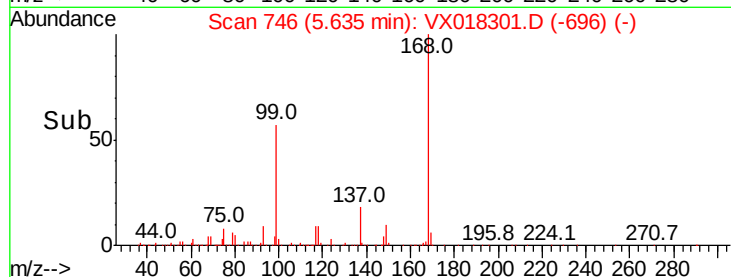
100000

50000

0

Time-->

5.50 5.60 5.70



#5

Bromomethane

Concen: 0.257 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX018301.D

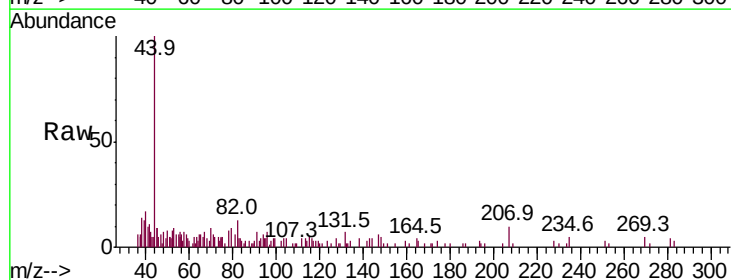
Acq: 09 Sep 2020 02:16

Tgt Ion: 94 Resp: 687

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

1.64

500

400

300

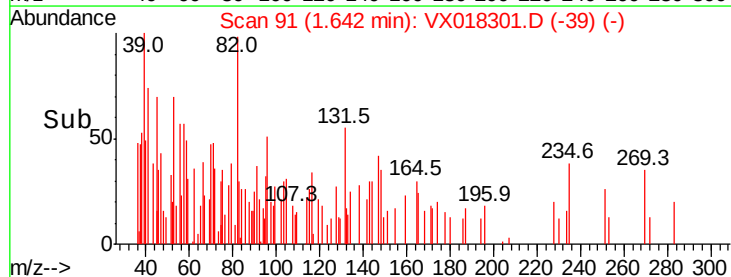
200

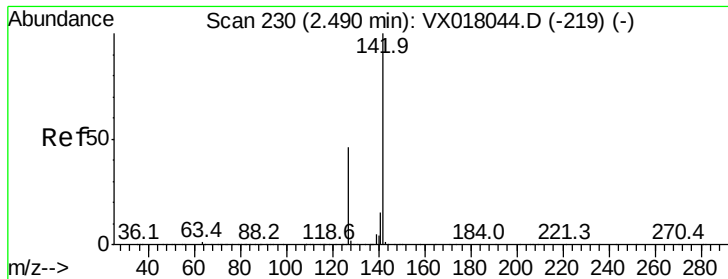
100

0

Time-->

1.60 1.65

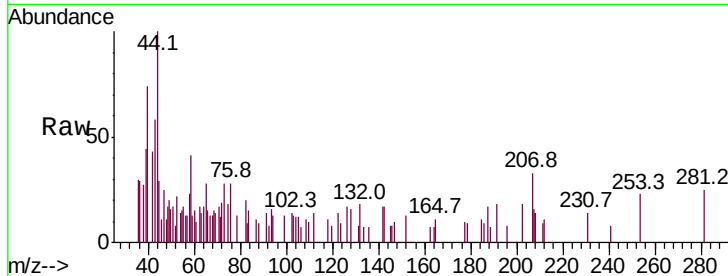




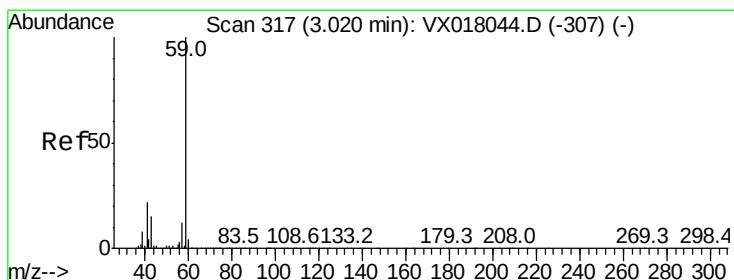
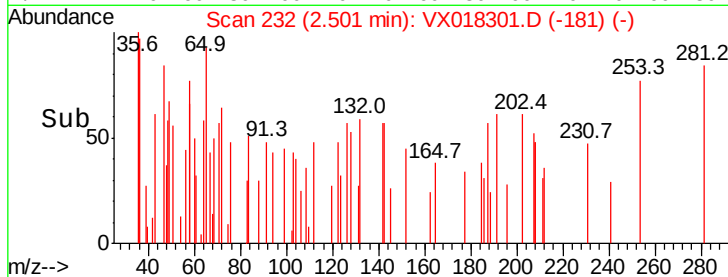
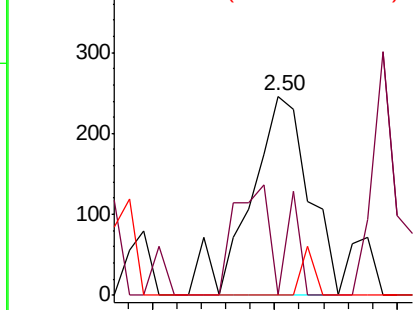
#10
Methyl Iodide
Concen: 5.371 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-DP

Tot Ion:142 Resp: 410
Ion Ratio Lower Upper
142 100
127 44.1 37.0 55.6
141 5.4 11.5 17.3#

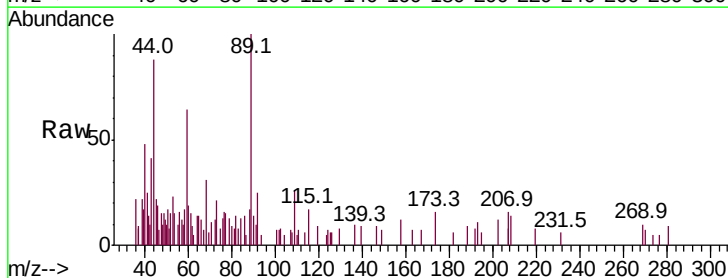


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

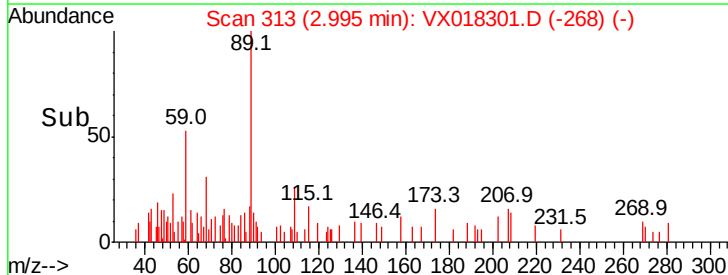
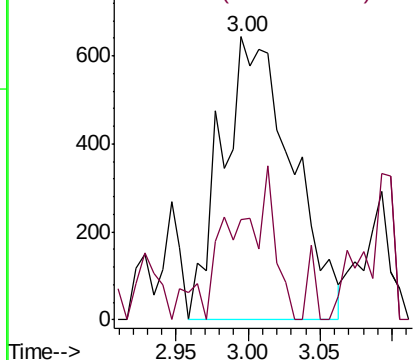


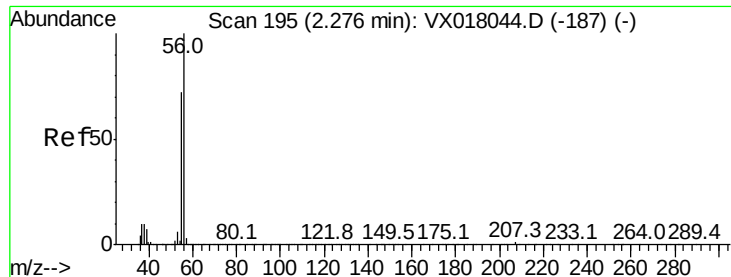
#11
Tert butyl alcohol
Concen: 1.861 ug/l
RT: 3.00 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

Tgt Ion: 59 Resp: 2176
Ion Ratio Lower Upper
59 100
57 24.0 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: 0.800 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX018301.D

Acq: 09 Sep 2020 02:16

Instrument :

MSVOA_X

ClientSampleId :

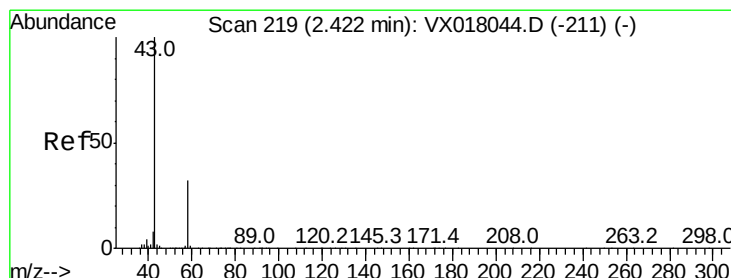
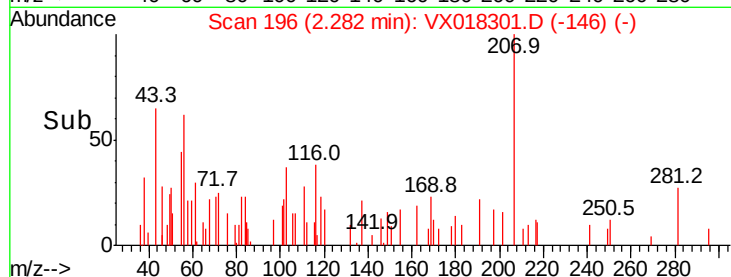
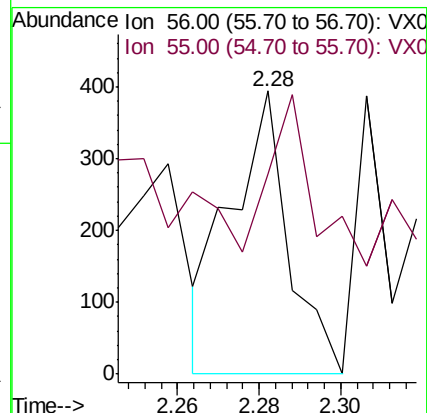
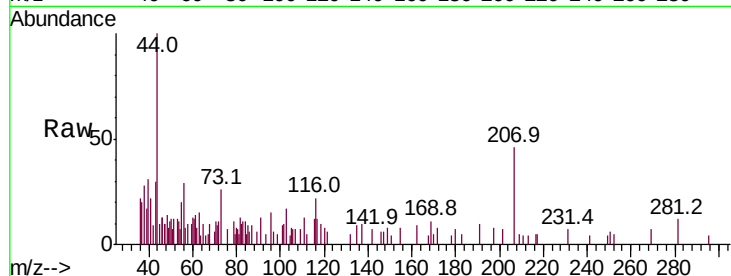
PAV-B44-090320-DP

Tot Ion: 56 Resp: 388

Ion Ratio Lower Upper

56 100

55 45.4 57.0 85.6#



#16

Acetone

Concen: 9.701 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018301.D

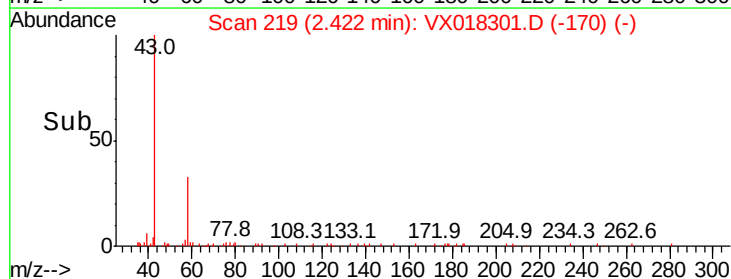
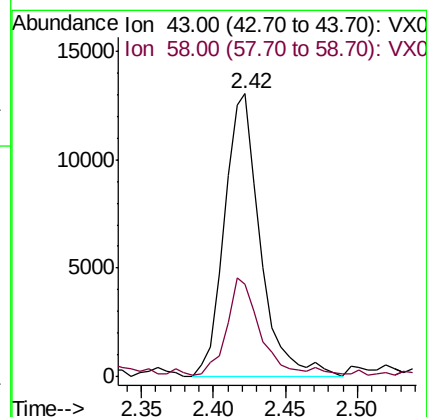
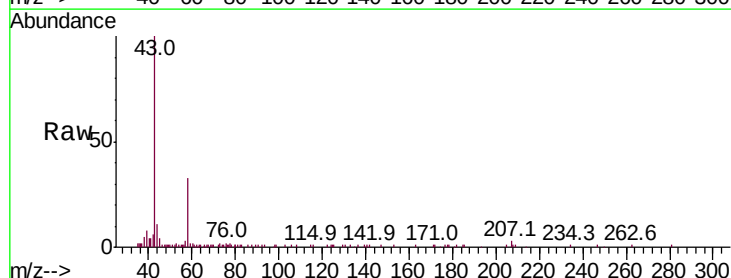
Acq: 09 Sep 2020 02:16

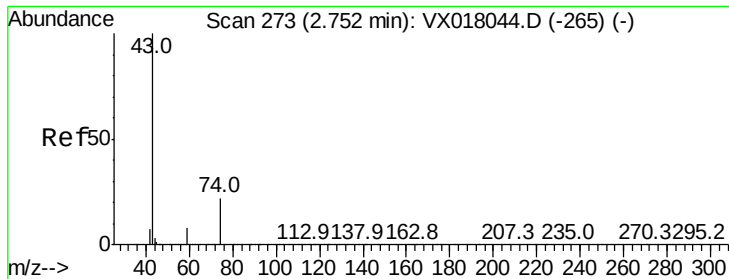
Tgt Ion: 43 Resp: 22736

Ion Ratio Lower Upper

43 100

58 32.1 25.5 38.3

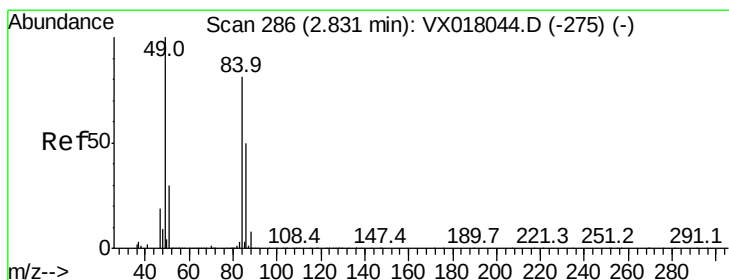
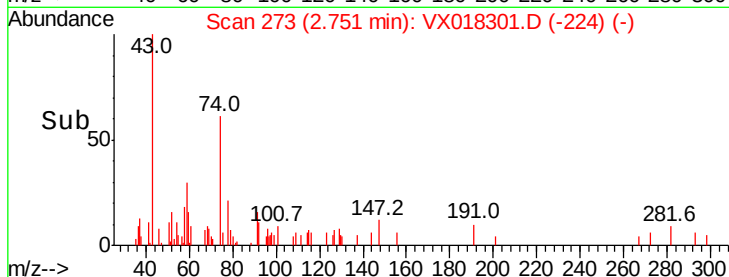
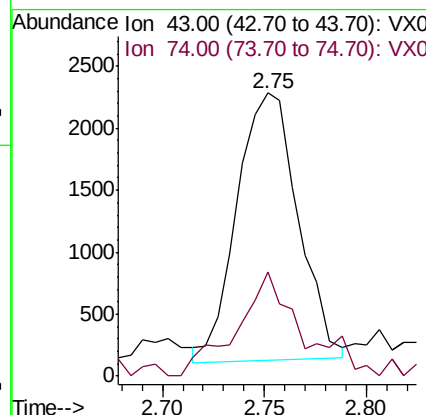
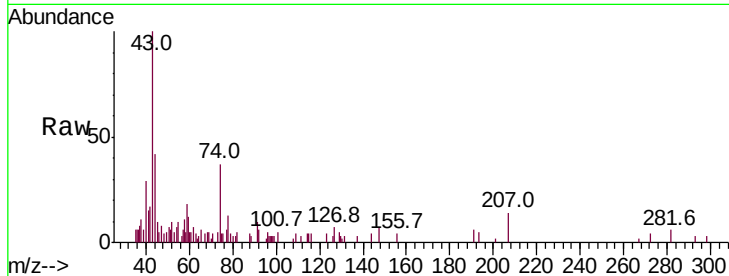




#18
Methvl Acetate
Concen: 0.794 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

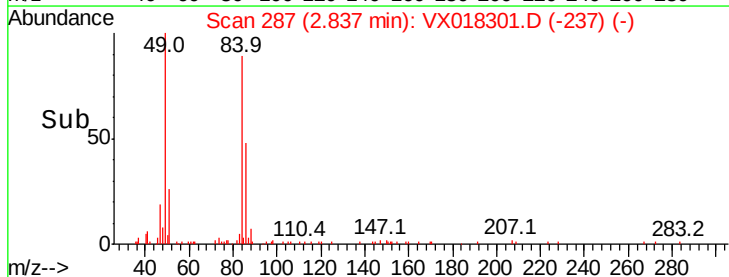
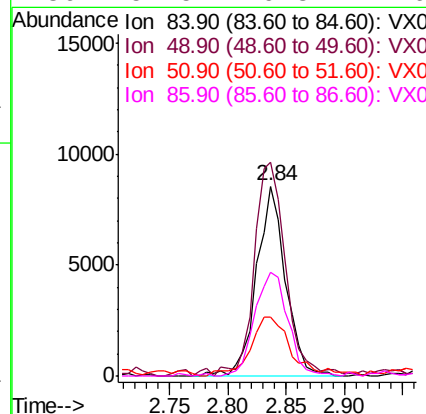
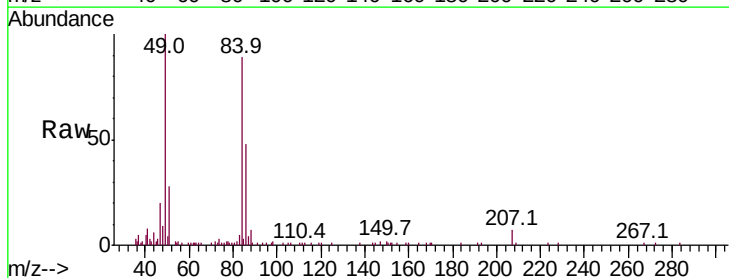
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-DP

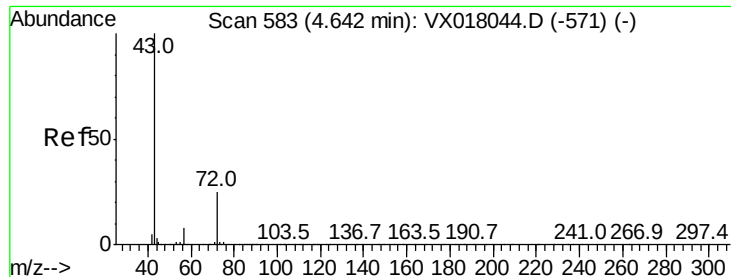
Tot Ion: 43 Resp: 4492
Ion Ratio Lower Upper
43 100
74 41.3 18.2 27.4#



#20
Methylene Chloride
Concen: 1.990 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

Tgt Ion: 84 Resp: 14912
Ion Ratio Lower Upper
84 100
49 112.0 98.6 148.0
51 29.6 29.6 44.4
86 54.5 49.8 74.6

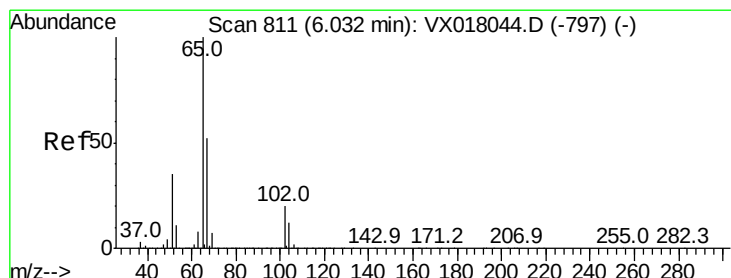
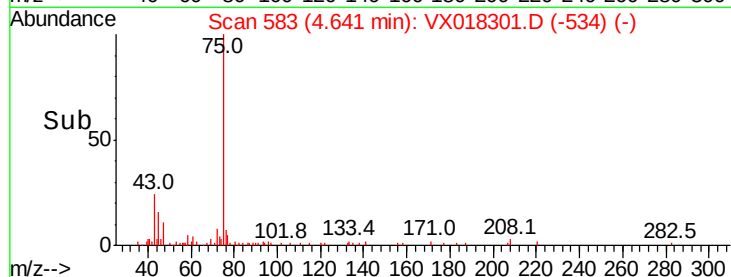
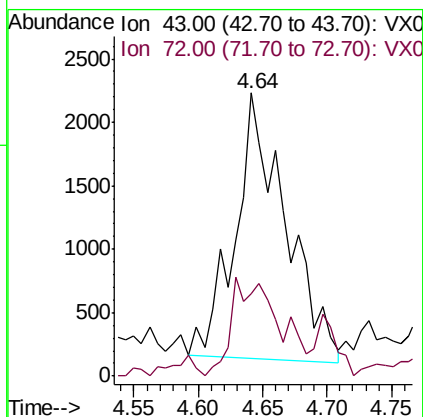
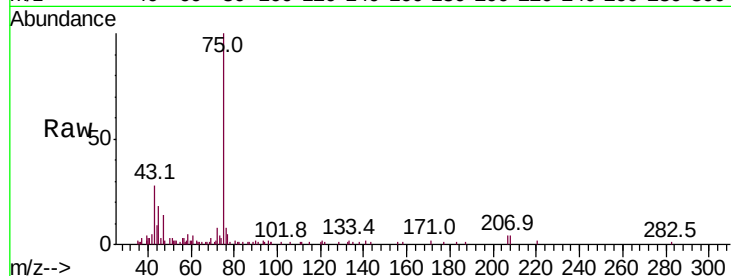




#25
2-Butanone
Concen: 1.484 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

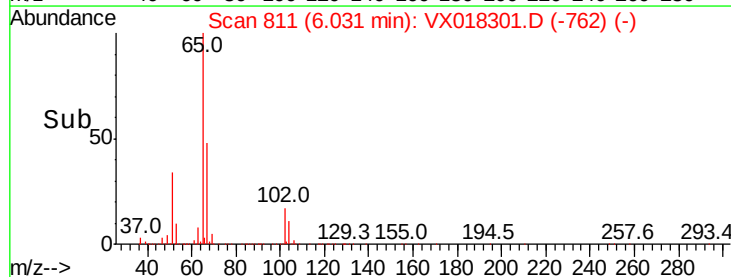
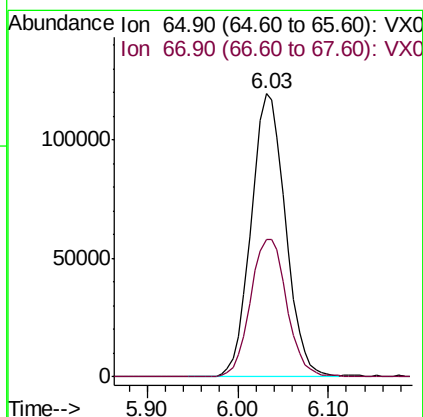
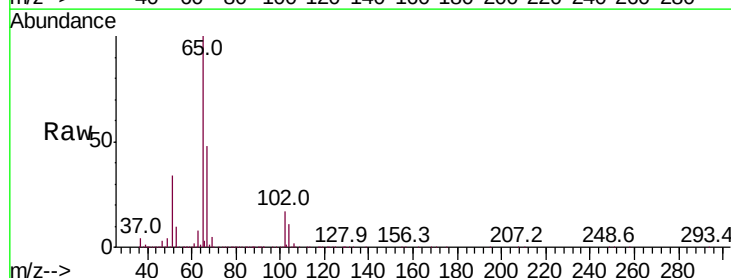
Instrument :
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ClientSampleId :
PAV-B44-090320-DP

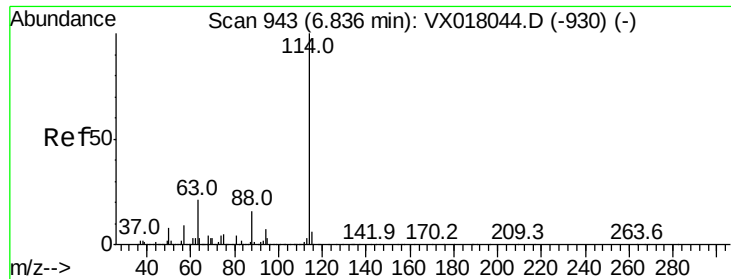
Tot Ion: 43 Resp: 5716
Ion Ratio Lower Upper
43 100
72 23.5 19.8 29.6



#33
1,2-Dichloroethane-d4
Concen: 52.208 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

Tgt Ion: 65 Resp: 314023
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.8

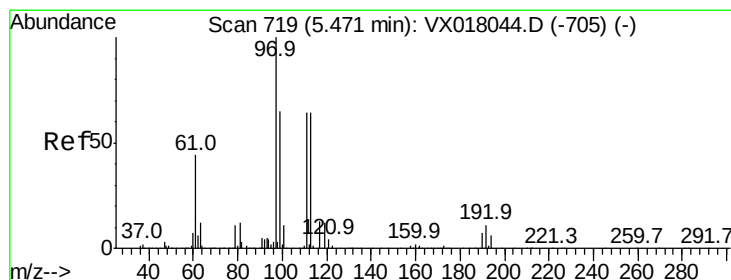
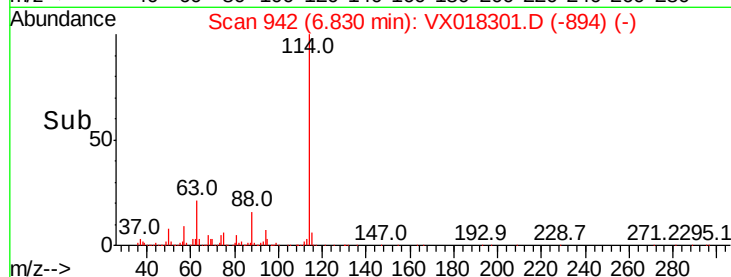
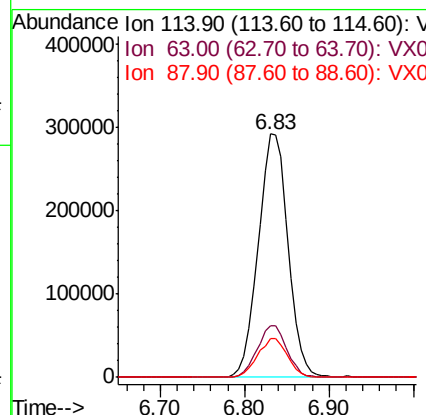
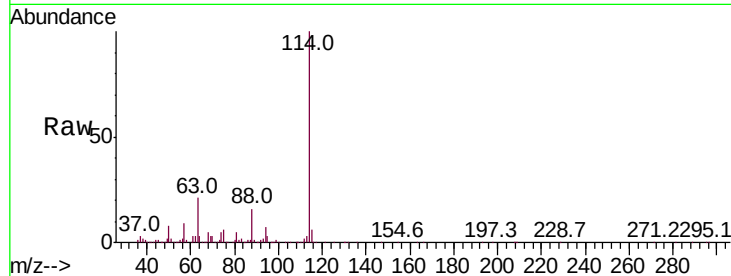




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 942
Delta R.T. -0.01 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

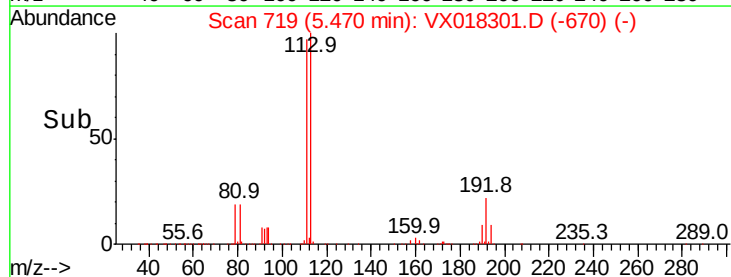
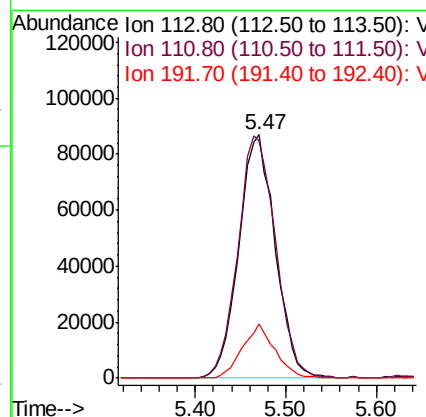
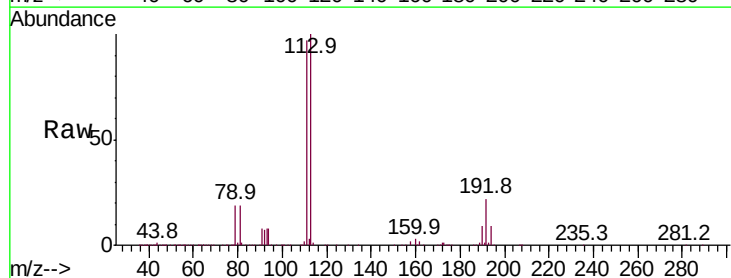
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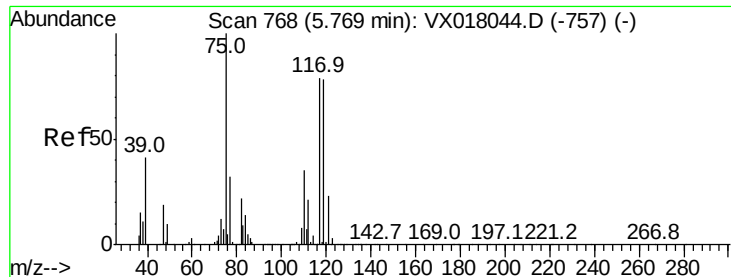
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.6
88	15.9	0.0	31.8



#35
Dibromofluoromethane
Concen: 50.419 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	20.1	15.8	23.8

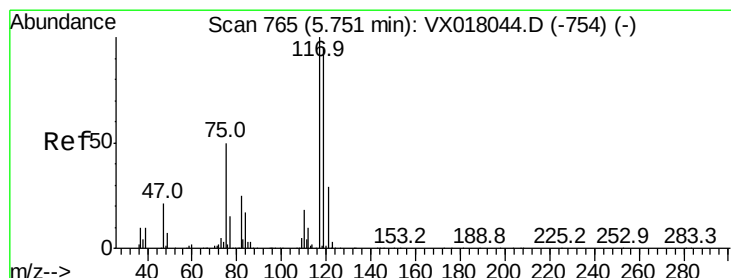
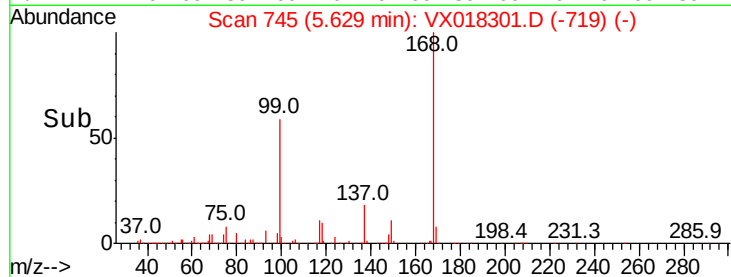
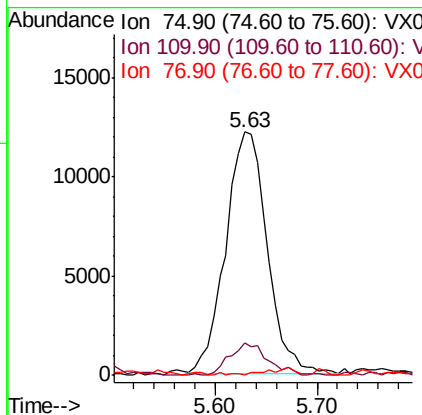
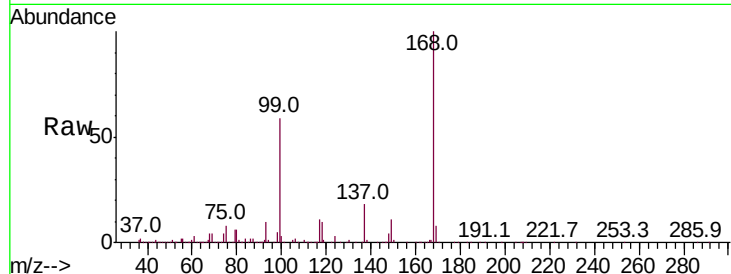




#36
 1,1-Dichloropropene
 Concen: 5.290 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX018301.D
 Acq: 09 Sep 2020 02:16

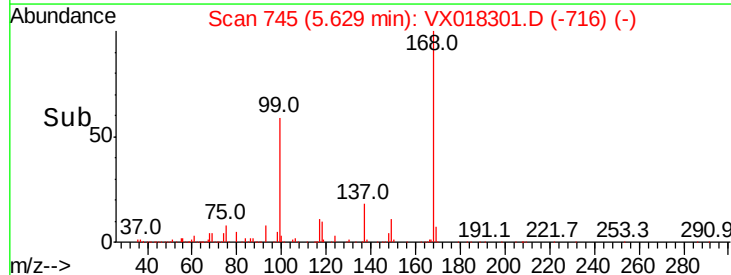
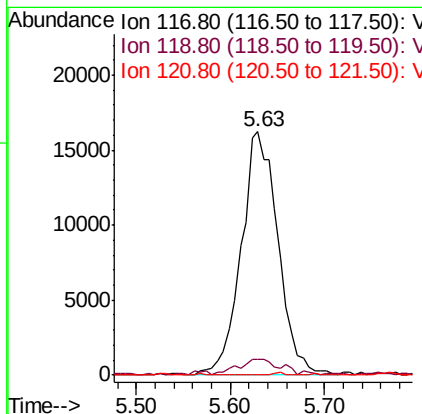
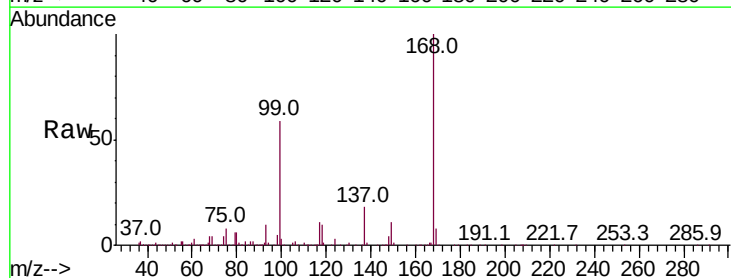
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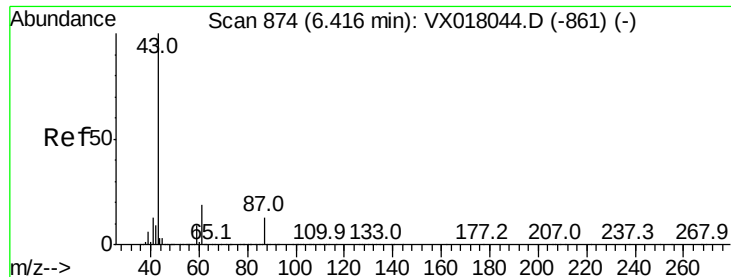
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.0	54.0#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 6.060 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.12 min
 Lab File: VX018301.D
 Acq: 09 Sep 2020 02:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.8	113.6#
121	0.0	23.4	35.0#





#43

Isopropyl Acetate

Concen: 7.925 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018301.D

Acq: 09 Sep 2020 02:16

Instrument :

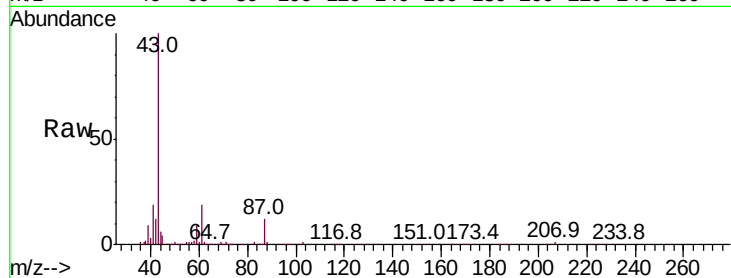
MSVOA_X

ClientSampleId :

PAV-B44-090320-DP

Tot Ion: 43 Resp: 96702

Ion	Ratio	Lower	Upper
43	100		
61	19.7	15.7	23.5
87	12.3	10.3	15.5

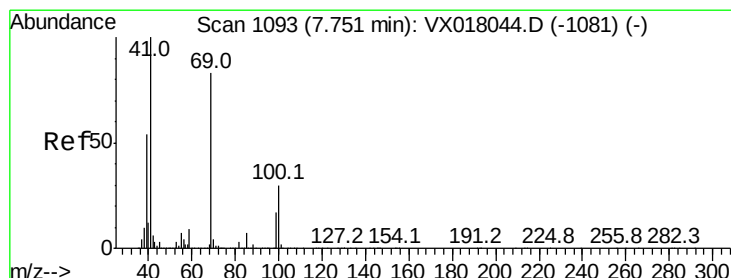
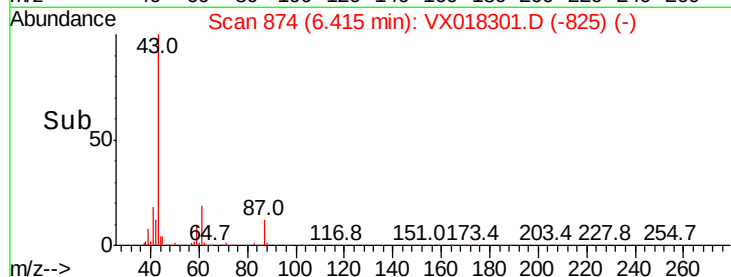
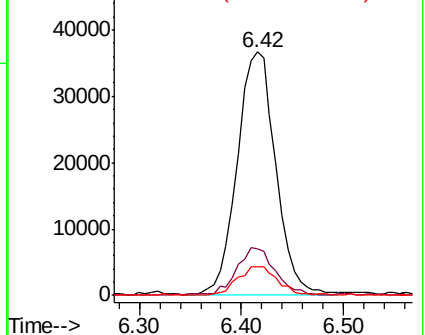


Abundance

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: 1.167 ug/l

RT: 7.65 min Scan# 1077

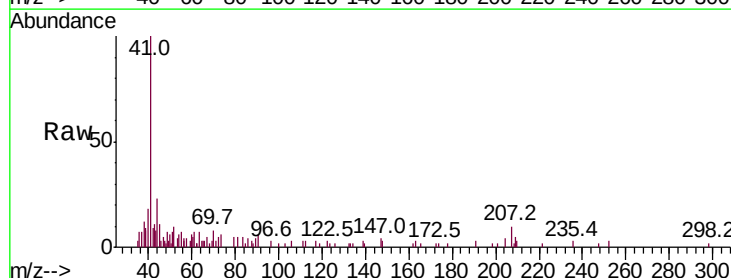
Delta R.T. -0.10 min

Lab File: VX018301.D

Acq: 09 Sep 2020 02:16

Tgt Ion: 41 Resp: 7090

Ion	Ratio	Lower	Upper
41	100		
69	2.1	65.5	98.3#
39	0.0	44.5	66.7#

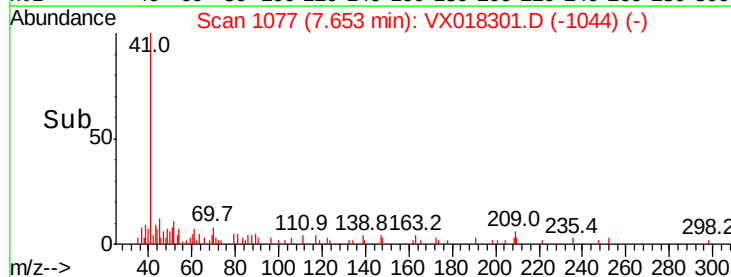
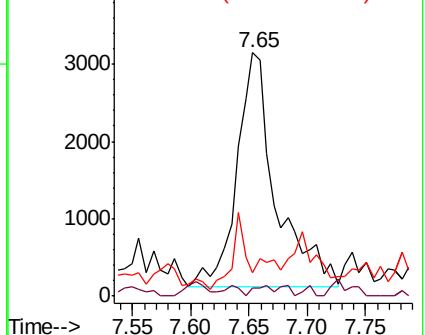


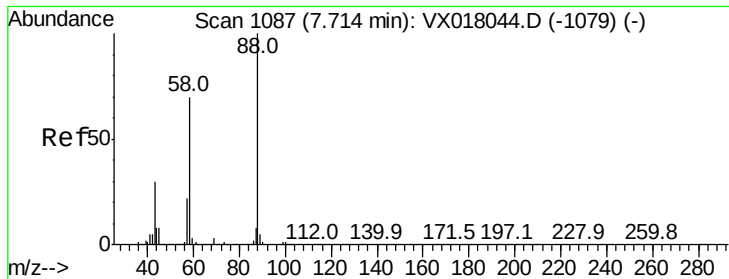
Abundance

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: 0.818 ug/l

RT: 7.71 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX018301.D

Acq: 09 Sep 2020 02:16

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-DP

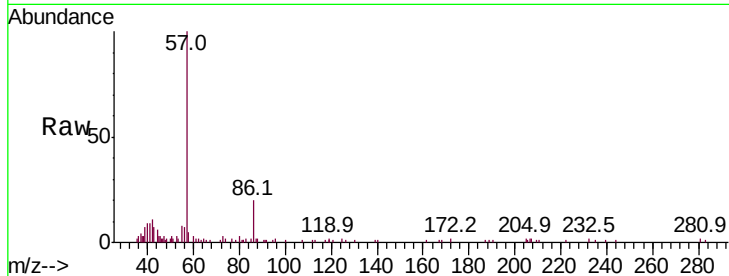
Tot Ion: 88 Resp: 90

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

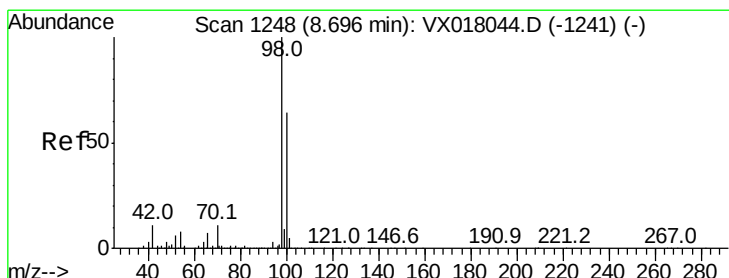
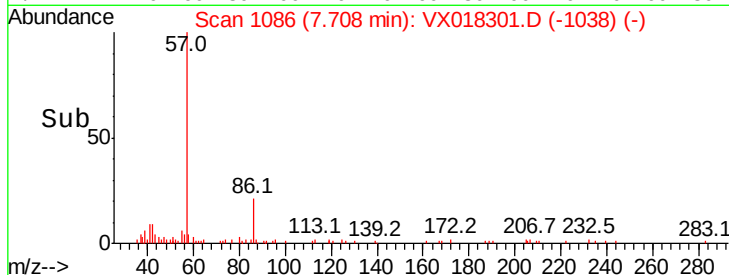
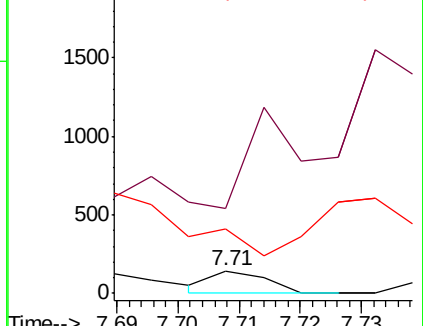
58 0.0 56.4 84.6#



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: 49.297 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018301.D

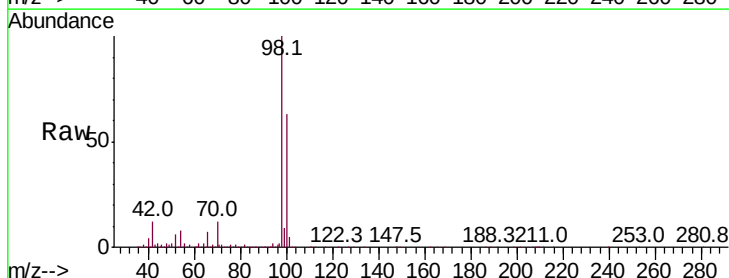
Acq: 09 Sep 2020 02:16

Tgt Ion: 98 Resp: 881917

Ion Ratio Lower Upper

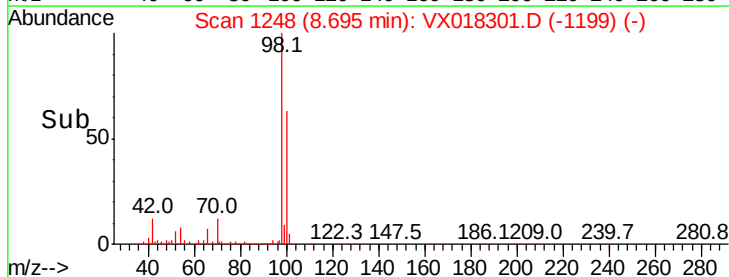
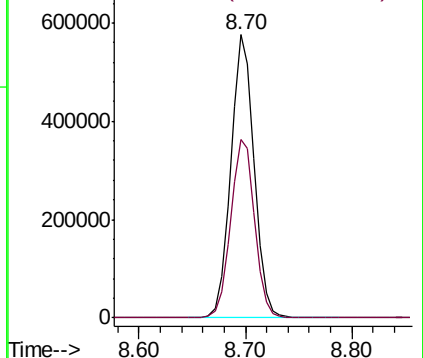
98 100

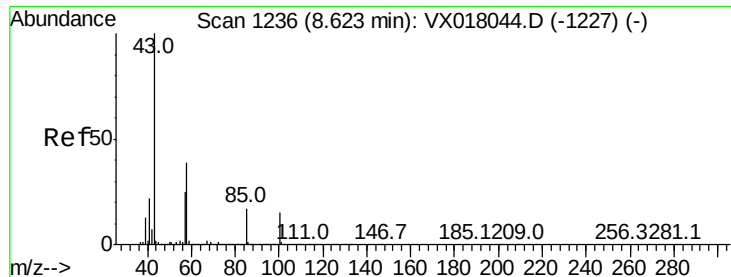
100 64.8 52.2 78.4



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: 13.262 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VX018301.D

Acq: 09 Sep 2020 02:16

Instrument :

MSVOA_X

ClientSampleId :

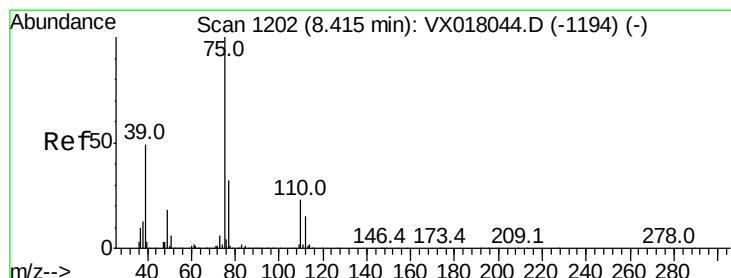
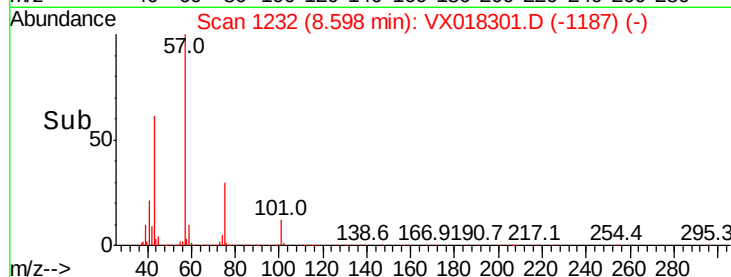
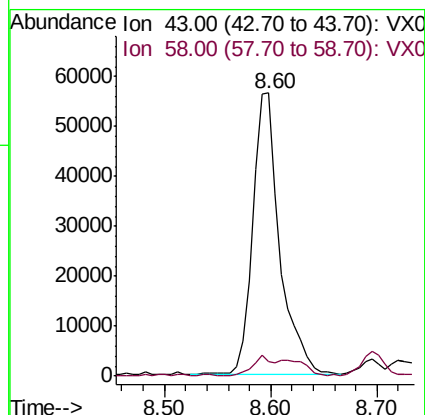
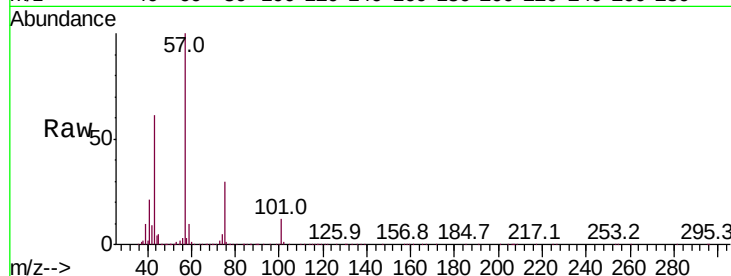
PAV-B44-090320-DP

Tot Ion: 43 Resp: 99969

Ion Ratio Lower Upper

43 100

58 5.1 30.7 46.1#



#54

cis-1,3-Dichloropropene

Concen: 4.886 ug/l

RT: 8.60 min Scan# 1232

Delta R.T. 0.18 min

Lab File: VX018301.D

Acq: 09 Sep 2020 02:16

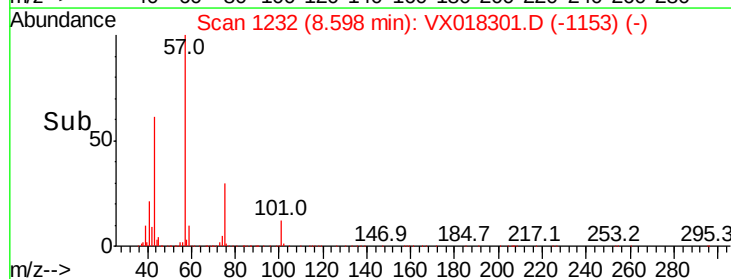
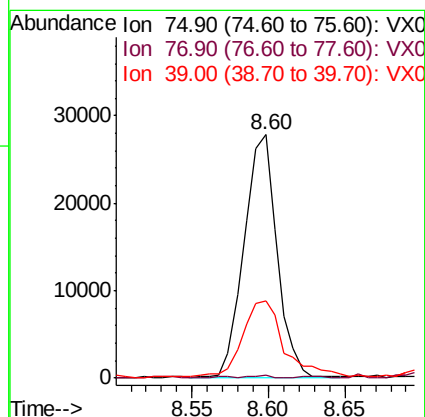
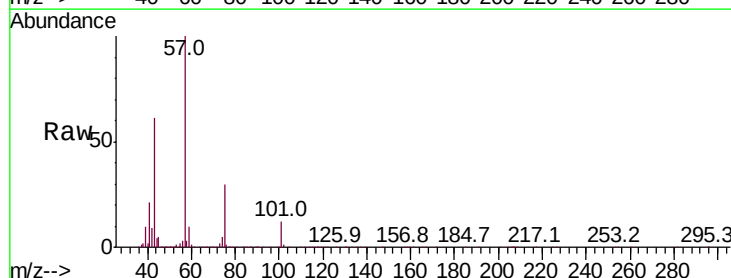
Tgt Ion: 75 Resp: 41491

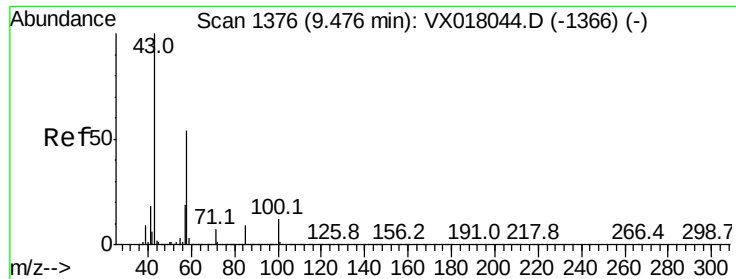
Ion Ratio Lower Upper

75 100

77 1.2 25.8 38.8#

39 31.1 38.8 58.2#

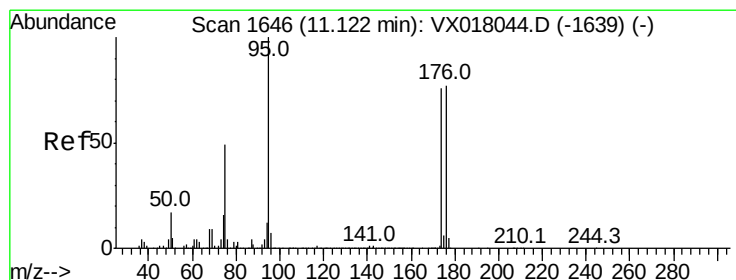
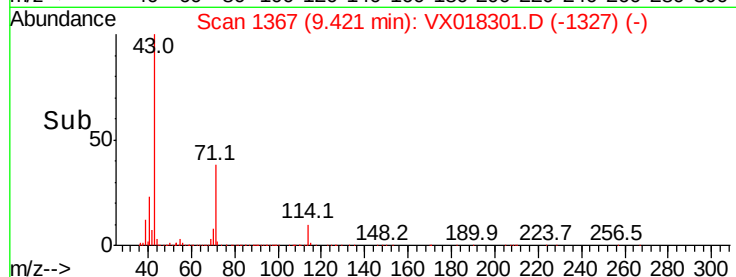
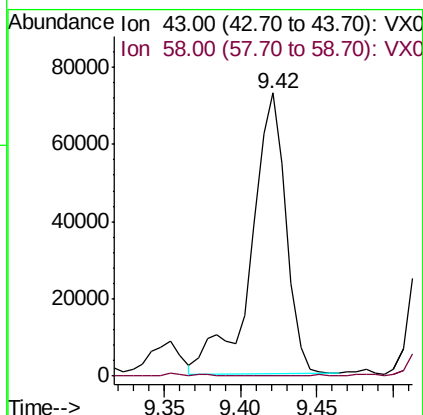
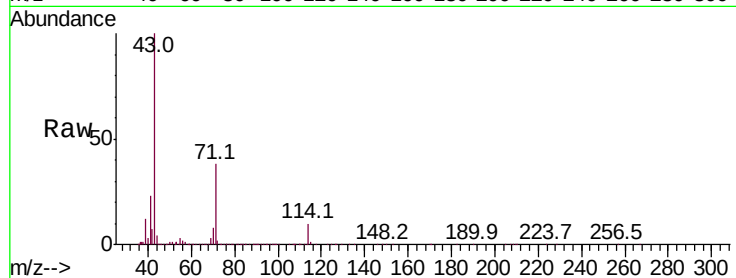




#59
2-Hexanone
Concen: 20.068 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.06 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

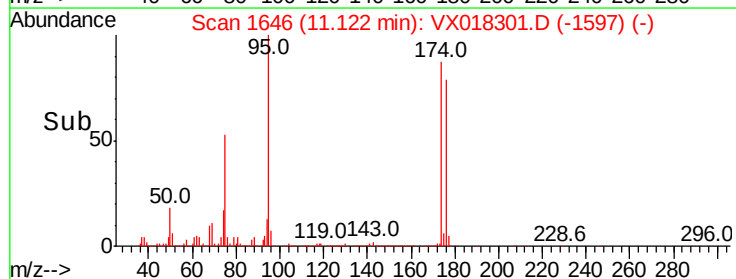
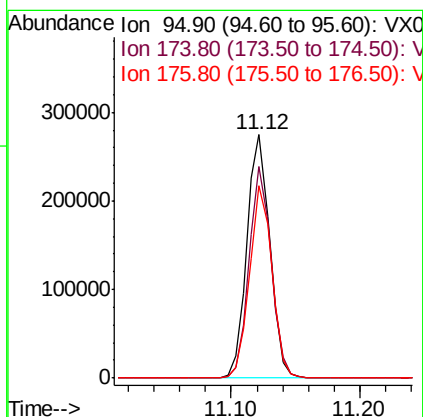
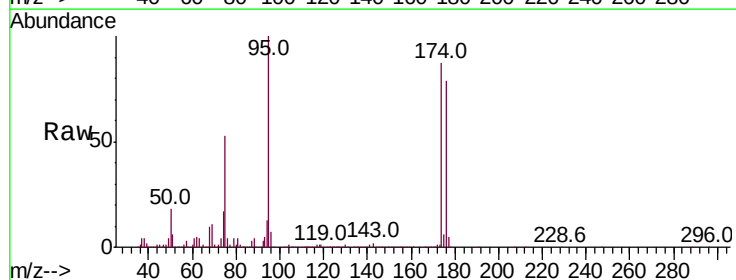
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-DP

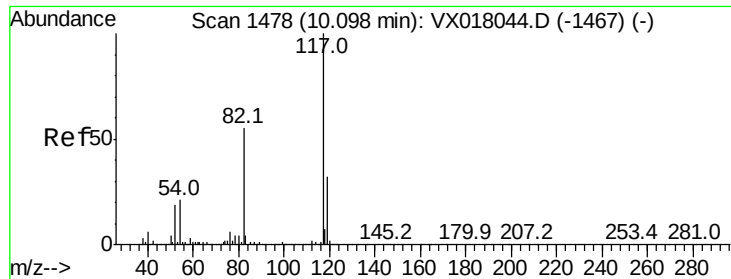
Tot Ion: 43 Resp: 115022
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 47.396 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

Tgt Ion: 95 Resp: 333595
Ion Ratio Lower Upper
95 100
174 83.7 0.0 160.2
176 77.2 0.0 155.8

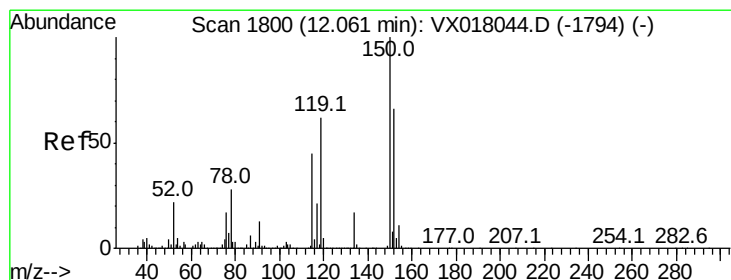
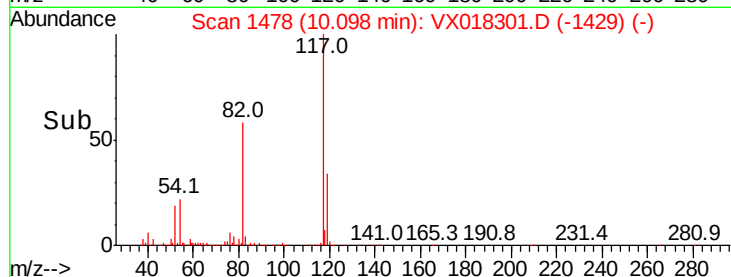
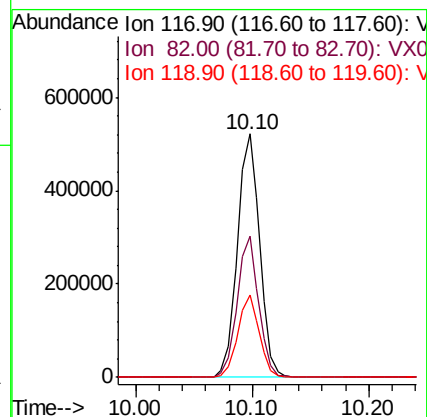
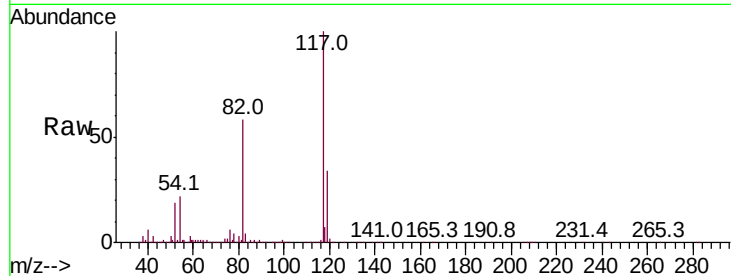




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

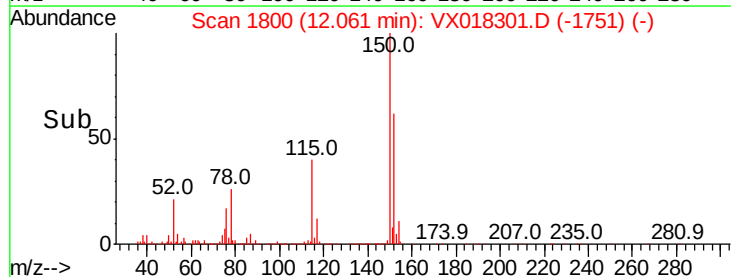
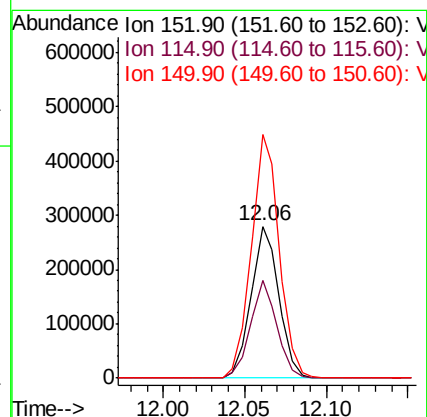
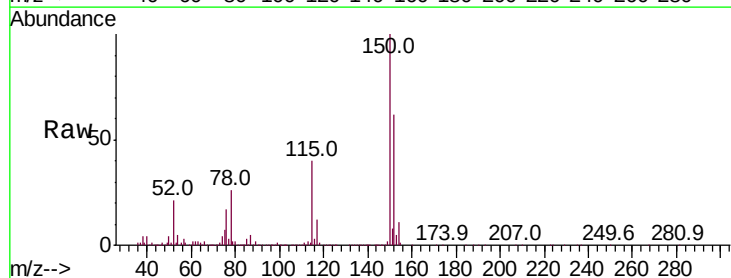
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-DP

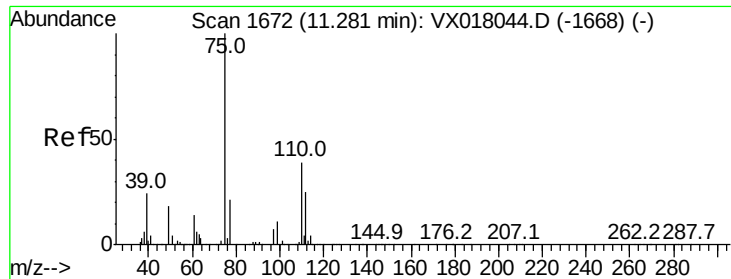
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	44.2	66.2
119	33.6	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018301.D
Acq: 09 Sep 2020 02:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	41.5	124.5
150	161.1	0.0	343.8

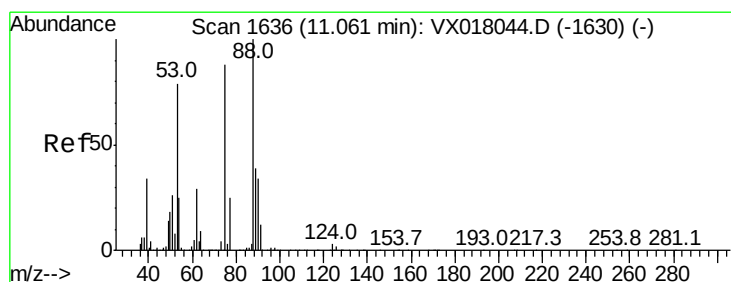
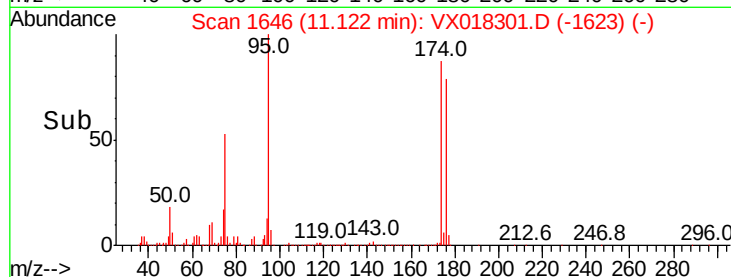
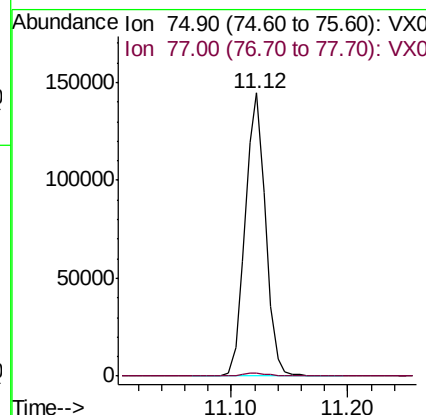
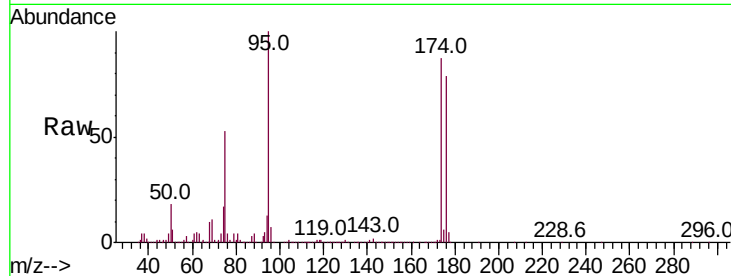




#76
 1,2,3-Trichloropropane
 Concen: 23.852 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX018301.D
 Acq: 09 Sep 2020 02:16

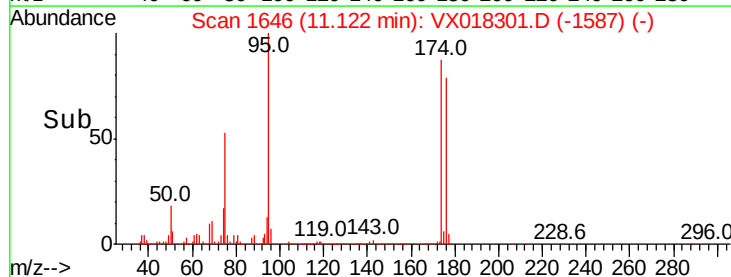
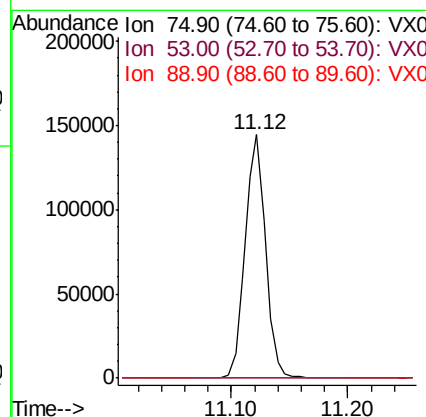
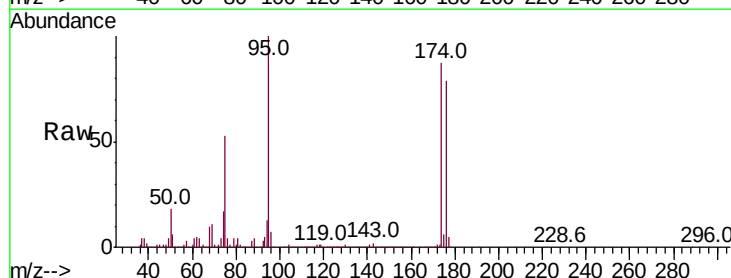
Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B44-090320-DP

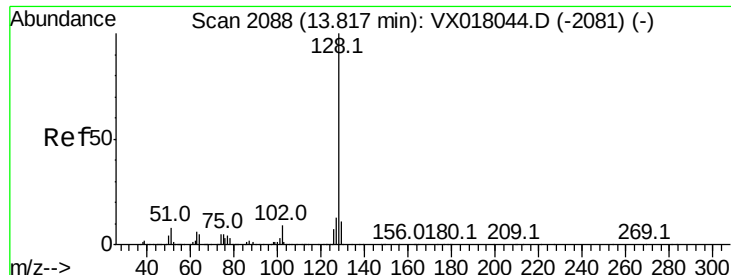
Tot Ion: 75 Resp: 176649
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.8 62.2#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.421 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX018301.D
 Acq: 09 Sep 2020 02:16

Tgt Ion: 75 Resp: 176649
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.7 112.1#
 89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 0.329 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018301.D

Acq: 09 Sep 2020 02:16

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-DP

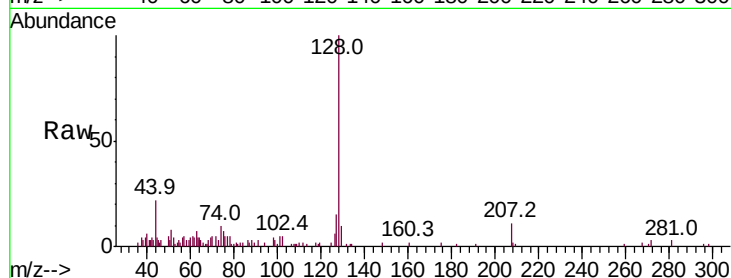
Tot Ion:128 Resp: 7248

Ion Ratio Lower Upper

128 100

127 19.7 10.2 15.2#

129 14.8 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

