

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090820\
 Data File : VX018299.D
 Acq On : 09 Sep 2020 01:30
 Operator : JC/SP
 Sample : L3808-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B44-090320-0-1

Quant Time: Sep 09 02:49:25 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	442107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	723651	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	703538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	341370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	318674	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	5.47	113	248614	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	8.70	98	896503	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.12	95	339990	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

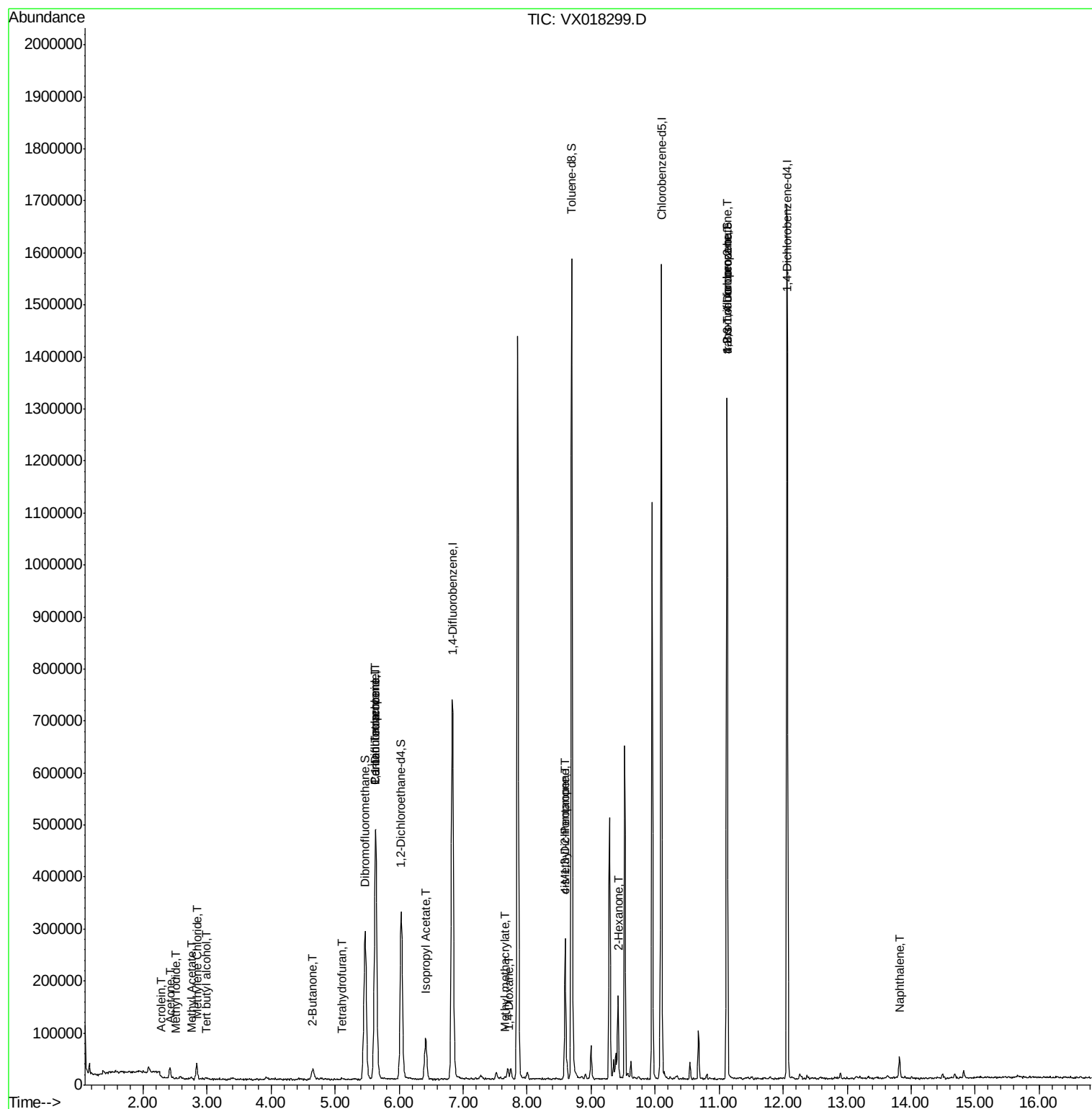
					Qvalue	
10) Methyl Iodide	2.51	142	488	5.385	ug/l #	27
11) Tert butyl alcohol	2.99	59	1228	1.029	ug/l #	80
13) Acrolein	2.29	56	324	0.655	ug/l #	14
16) Acetone	2.42	43	24556	10.268	ug/l	93
18) Methyl Acetate	2.75	43	5401	0.936	ug/l #	89
20) Methylene Chloride	2.84	84	13723	1.678	ug/l #	92
25) 2-Butanone	4.64	43	3810	0.969	ug/l #	90
29) Tetrahydrofuran	5.10	42	2205	0.881	ug/l #	74
36) 1,1-Dichloropropene	5.62	75	34778	5.211	ug/l #	53
38) Carbon Tetrachloride	5.64	117	46911	6.237	ug/l #	17
43) Isopropyl Acetate	6.42	43	107440	8.581	ug/l	99
48) Methyl methacrylate	7.65	41	7956	1.276	ug/l #	19
49) 1,4-Dioxane	7.72	88	53	0.469	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	101819	13.164	ug/l #	56
54) cis-1,3-Dichloropropene	8.59	75	40755	4.677	ug/l #	66
59) 2-Hexanone	9.42	43	113913	19.369	ug/l #	25
76) 1,2,3-Trichloropropane	11.12	75	175084	23.056	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	175084	62.270	ug/l #	12
95) Naphthalene	13.82	128	27549	1.220	ug/l	98

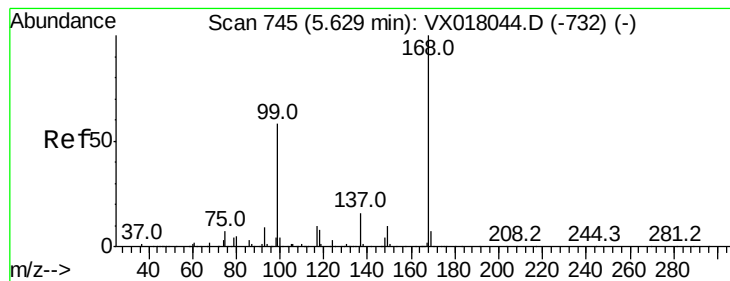
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX018299.D

Acq: 09 Sep 2020 01:30

Instrument :

MSVOA_X

ClientSampleId :

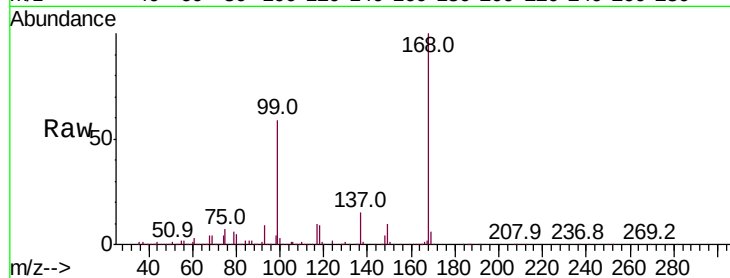
PAV-B44-090320-0-1

Tot Ion:168 Resp: 442107

Ion Ratio Lower Upper

168 100

99 59.0 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

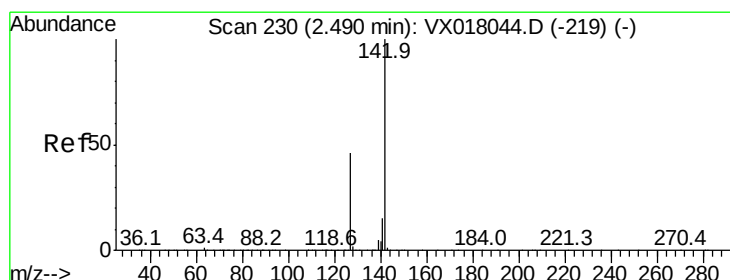
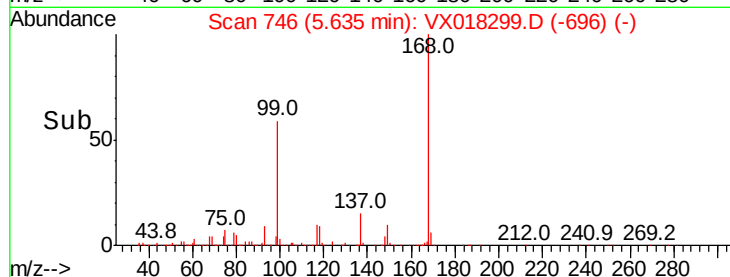
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 5.385 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.02 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

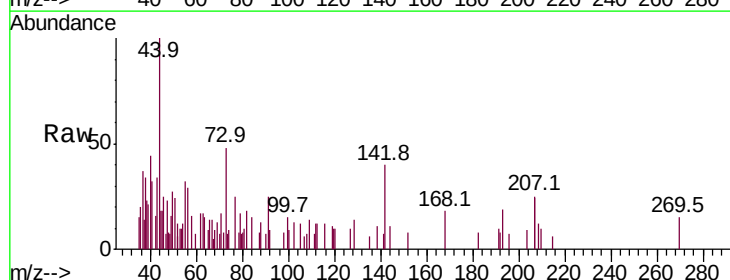
Tgt Ion:142 Resp: 488

Ion Ratio Lower Upper

142 100

127 104.7 37.0 55.6#

141 4.7 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

500

400

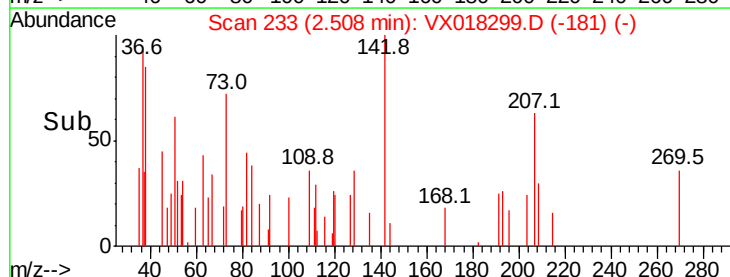
300

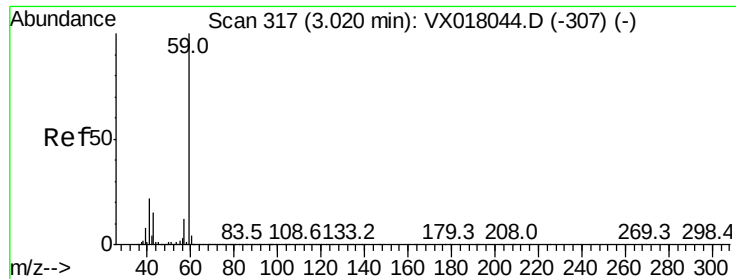
200

100

0

Time-->



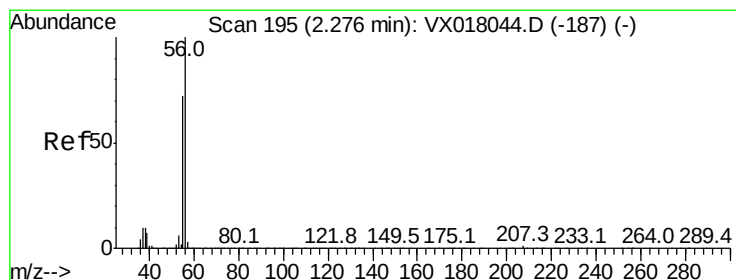
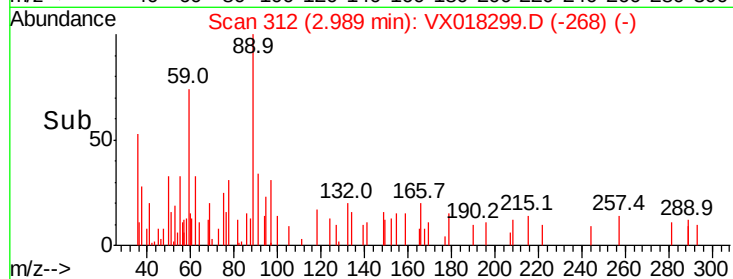
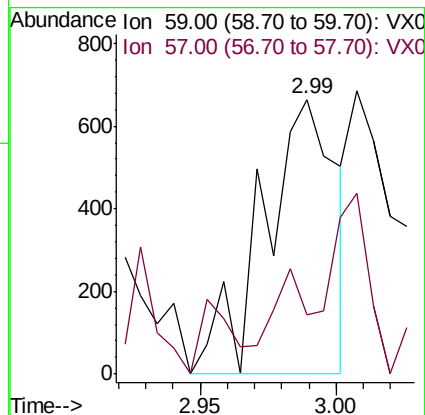
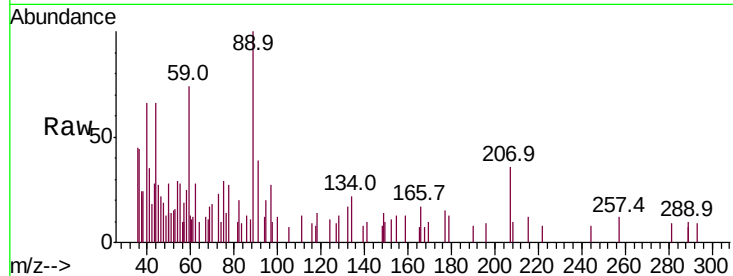


#11

Tert butyl alcohol
Concen: 1.029 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX018299.D
Acq: 09 Sep 2020 01:30

Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-0-1

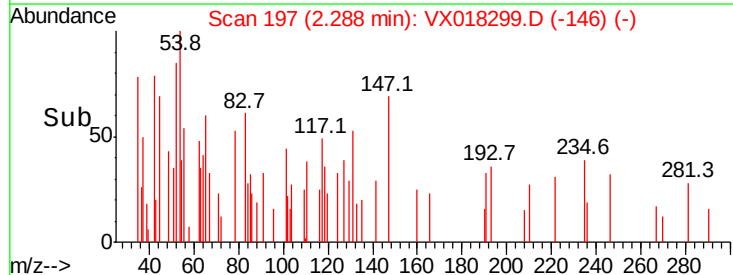
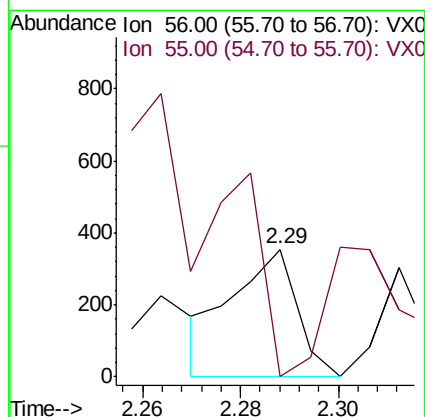
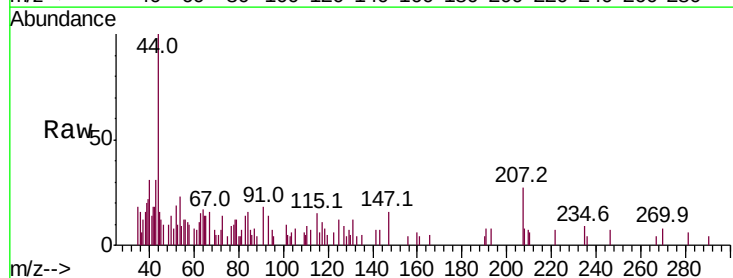
Tot Ion: 59 Resp: 1228
Ion Ratio Lower Upper
59 100
57 18.6 8.9 13.3#

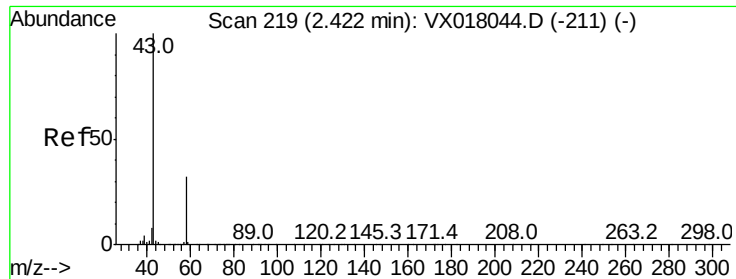


#13

Acrolein
Concen: 0.655 ug/l
RT: 2.29 min Scan# 197
Delta R.T. 0.01 min
Lab File: VX018299.D
Acq: 09 Sep 2020 01:30

Tgt Ion: 56 Resp: 324
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.6#





#16

Acetone

Concen: 10.268 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

Instrument :

MSVOA_X

ClientSampleId :

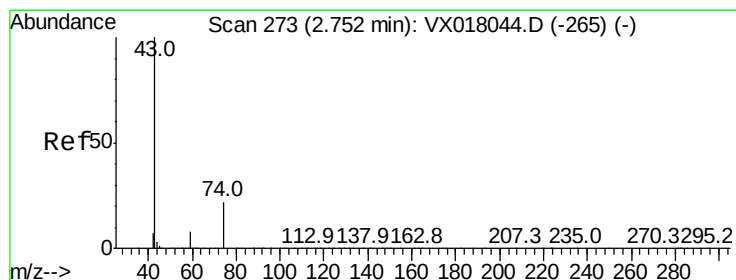
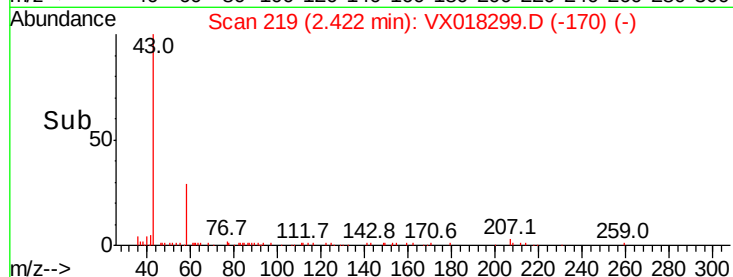
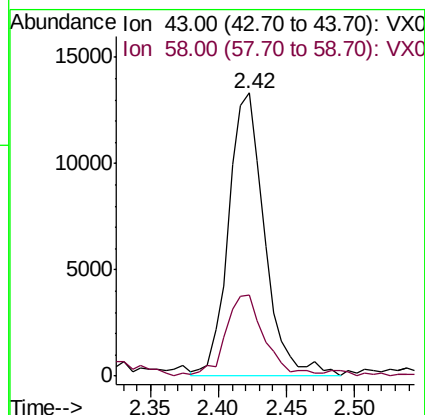
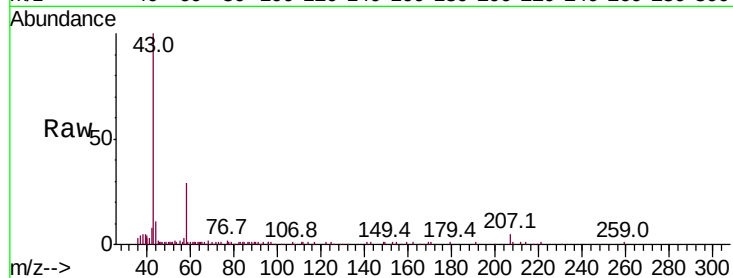
PAV-B44-090320-0-1

Tot Ion: 43 Resp: 24556

Ion Ratio Lower Upper

43 100

58 27.8 25.5 38.3



#18

Methyl Acetate

Concen: 0.936 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX018299.D

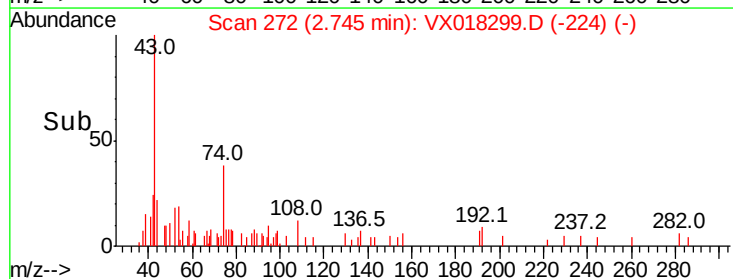
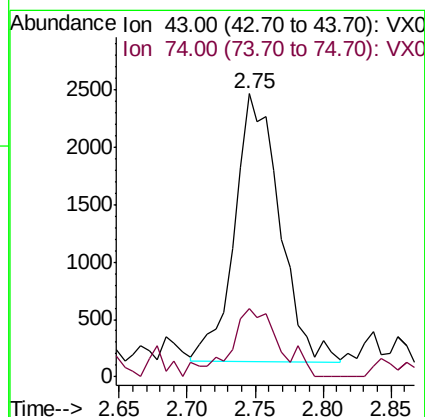
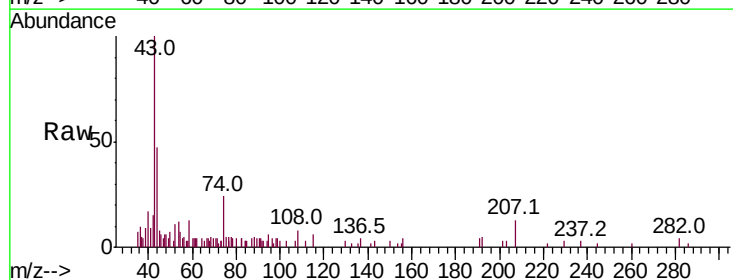
Acq: 09 Sep 2020 01:30

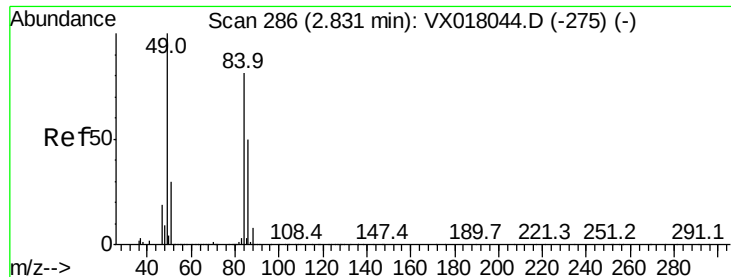
Tgt Ion: 43 Resp: 5401

Ion Ratio Lower Upper

43 100

74 28.1 18.2 27.4#

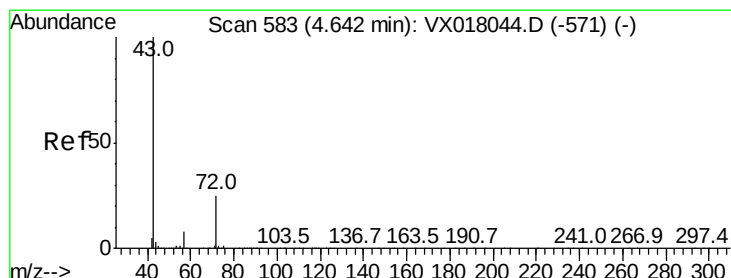
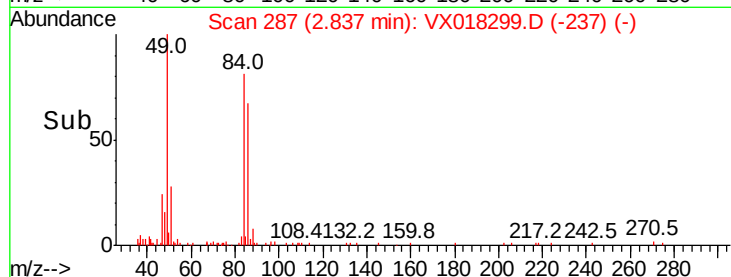
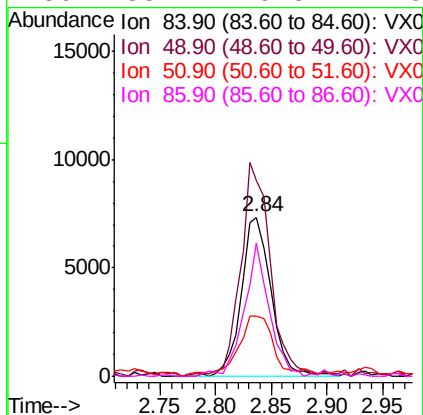
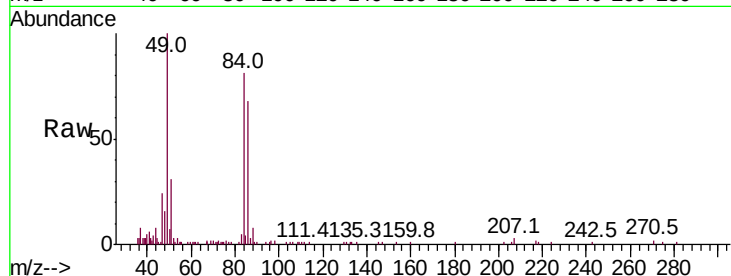




#20
Methvlene Chloride
Concen: 1.678 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX018299.D
Acq: 09 Sep 2020 01:30

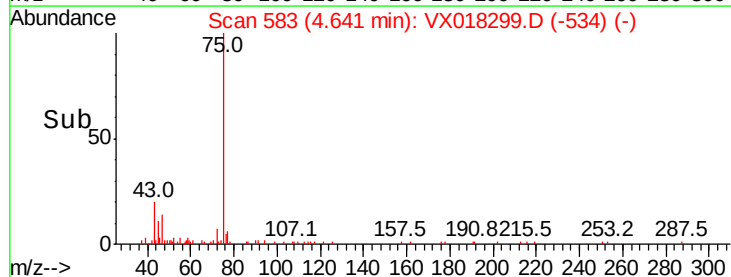
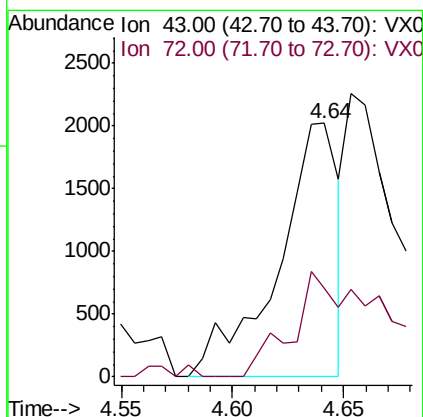
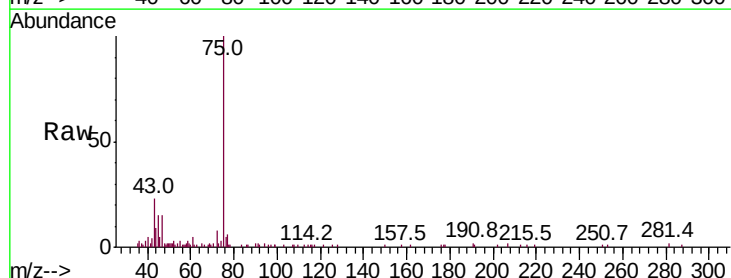
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-0-1

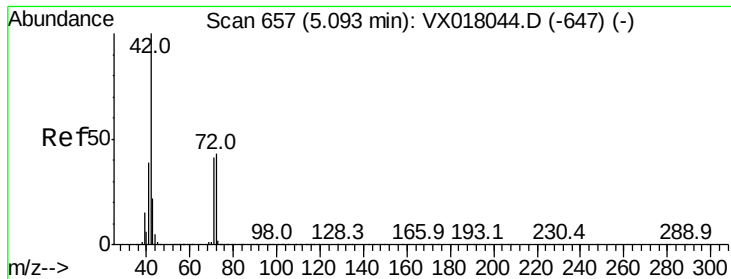
Tot Ion: 84 Resp: 13723
Ion Ratio Lower Upper
84 100
49 121.9 98.6 148.0
51 36.5 29.6 44.4
86 83.2 49.8 74.6#



#25
2-Butanone
Concen: 0.969 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX018299.D
Acq: 09 Sep 2020 01:30

Tgt Ion: 43 Resp: 3810
Ion Ratio Lower Upper
43 100
72 29.8 19.8 29.6#





#29

Tetrahydrofuran

Concen: 0.881 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-0-1

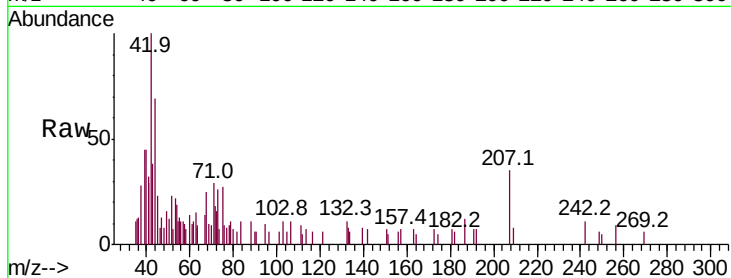
Tot Ion: 42 Resp: 2205

Ion Ratio Lower Upper

42 100

72 17.3 34.2 51.4#

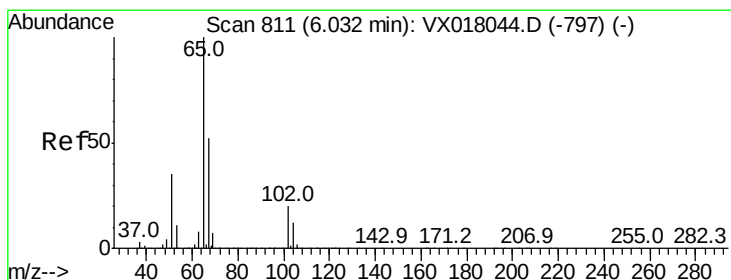
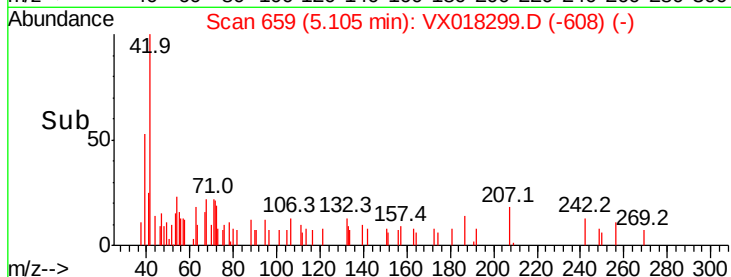
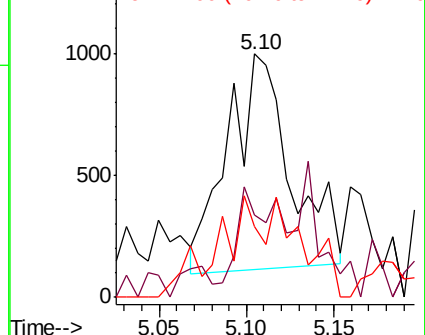
71 32.9 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.922 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018299.D

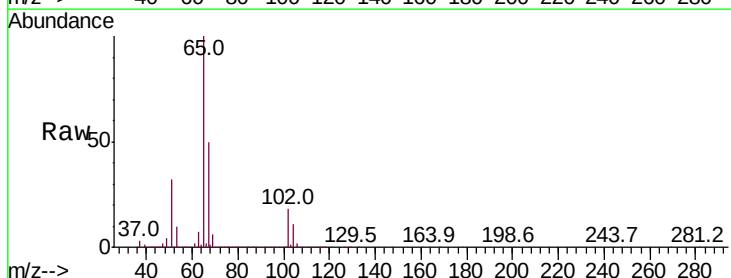
Acq: 09 Sep 2020 01:30

Tgt Ion: 65 Resp: 318674

Ion Ratio Lower Upper

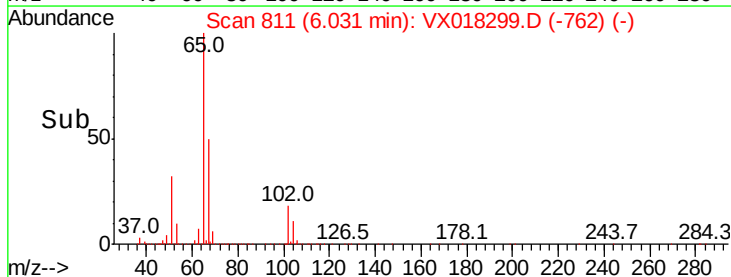
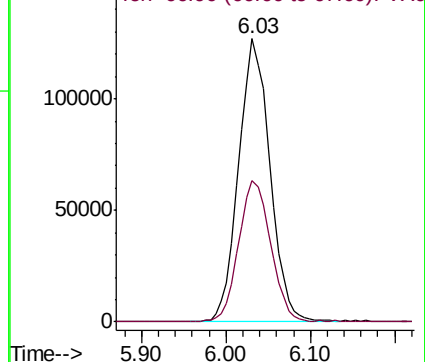
65 100

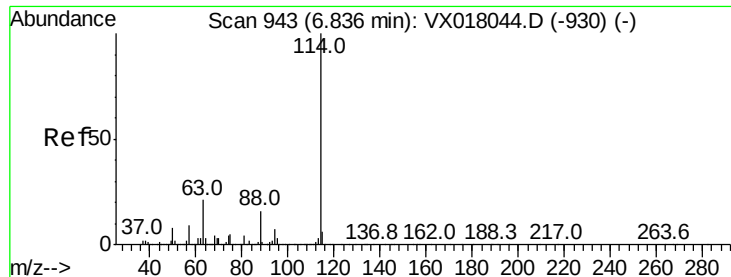
67 51.0 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

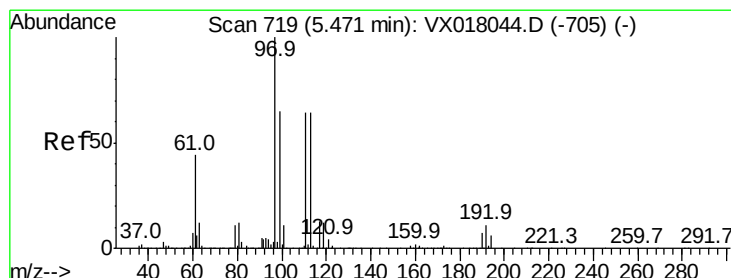
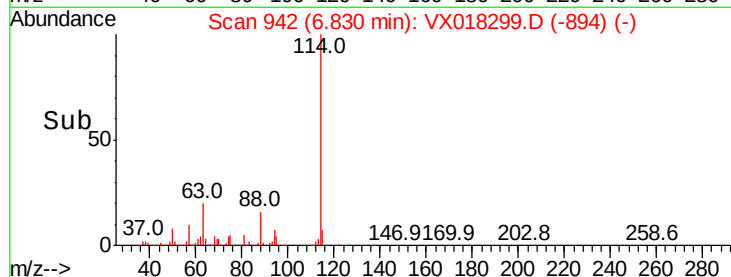
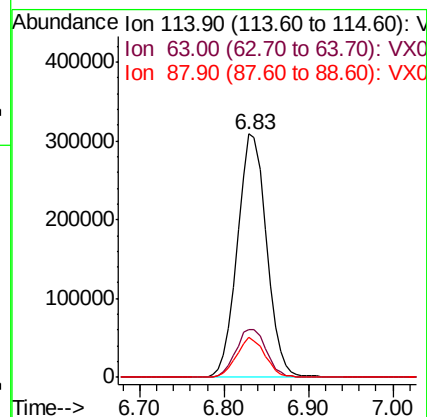
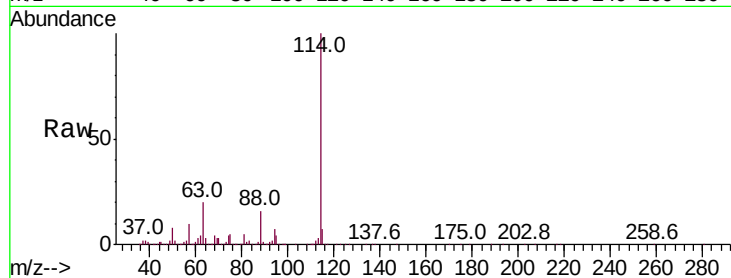




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018299.D
 Acq: 09 Sep 2020 01:30

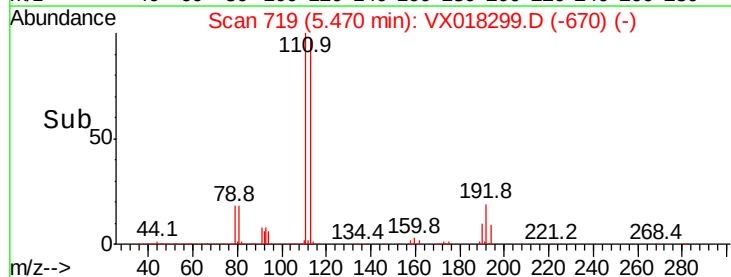
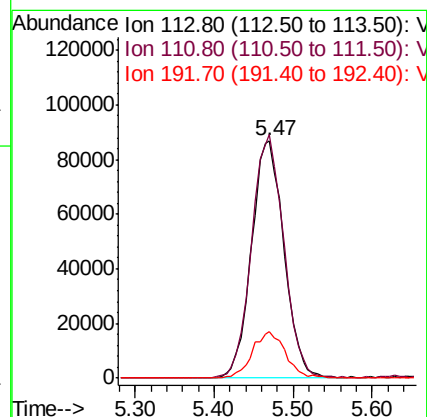
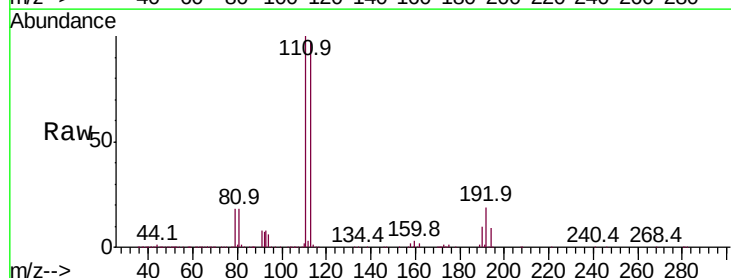
Instrument :
 MSVOA_X
 ClientSampleId :
 PAV-B44-090320-0-1

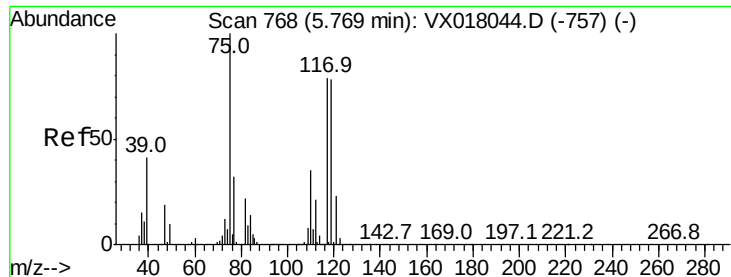
Tot Ion:	114	Resp:	723651
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	42.6
88	16.3	0.0	31.8



#35
 Dibromofluoromethane
 Concen: 50.445 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX018299.D
 Acq: 09 Sep 2020 01:30

Tgt Ion:	113	Resp:	248614
Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.6	122.4
192	20.0	15.8	23.8





#36

1,1-Dichloropropene

Concen: 5.211 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.15 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-0-1

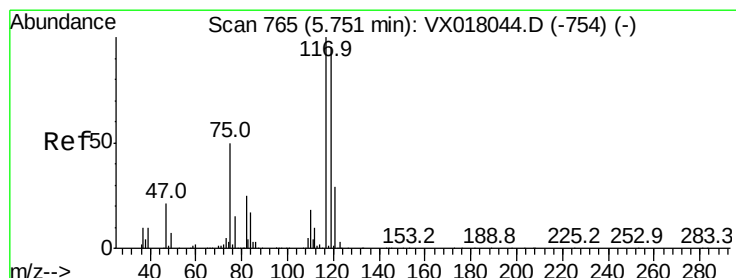
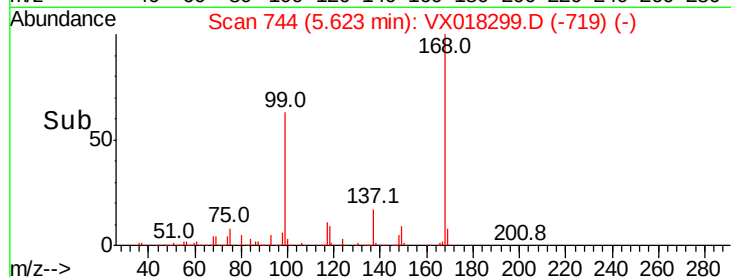
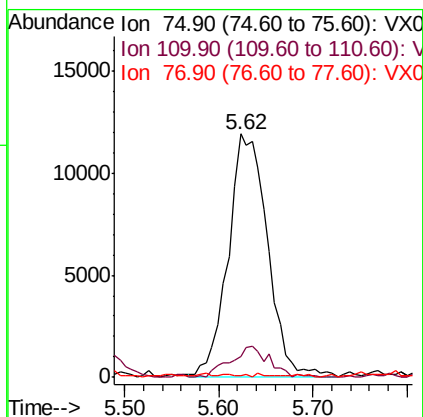
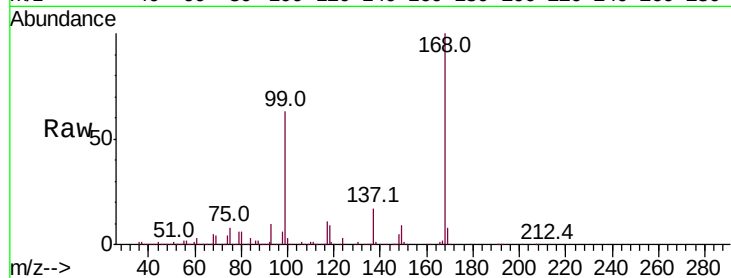
Tot Ion: 75 Resp: 34778

Ion Ratio Lower Upper

75 100

110 12.4 18.0 54.0#

77 0.5 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.237 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

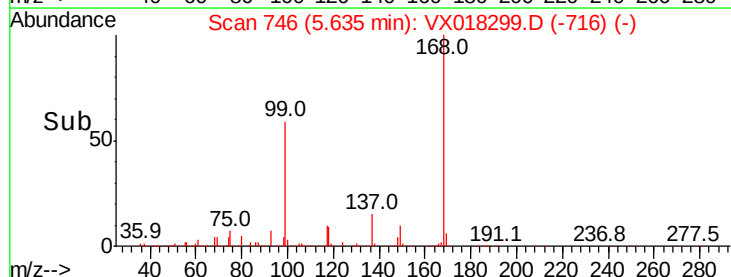
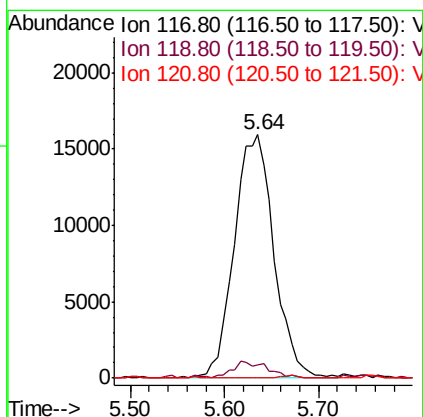
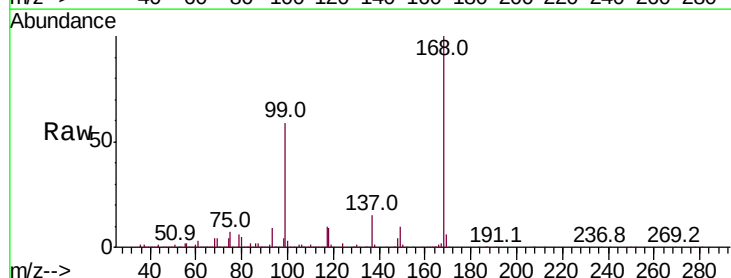
Tgt Ion: 117 Resp: 46911

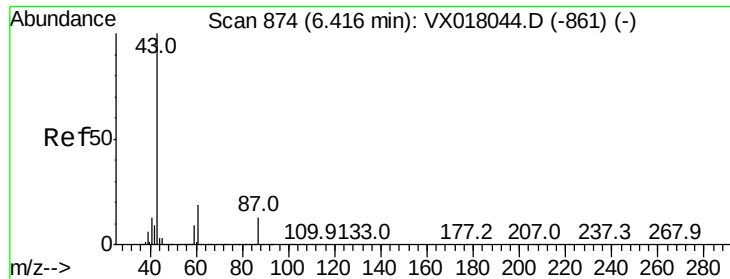
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 23.4 35.0#





#43

Isopropyl Acetate

Concen: 8.581 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-0-1

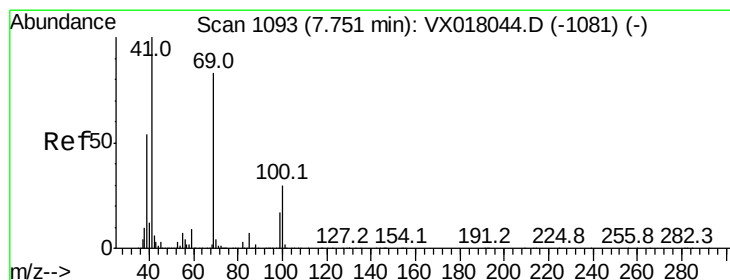
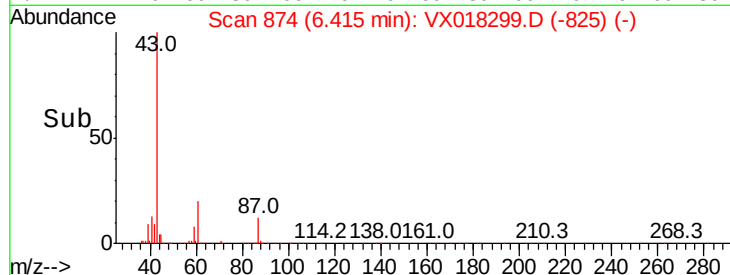
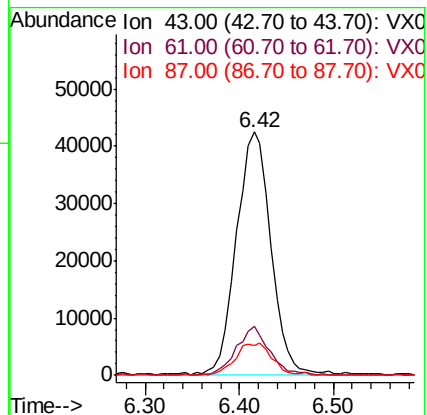
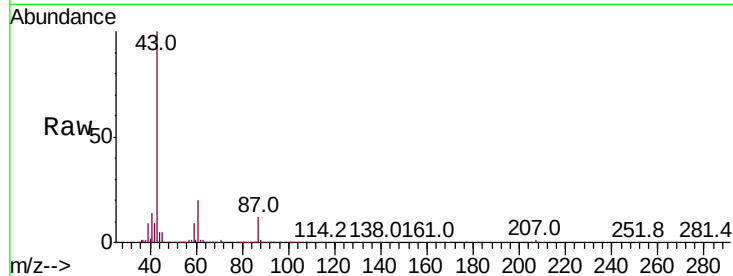
Tot Ion: 43 Resp: 107440

Ion Ratio Lower Upper

43 100

61 19.5 15.7 23.5

87 14.2 10.3 15.5



#48

Methyl methacrylate

Concen: 1.276 ug/l

RT: 7.65 min Scan# 1077

Delta R.T. -0.10 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

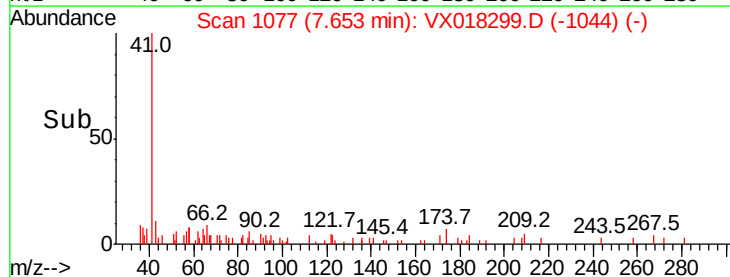
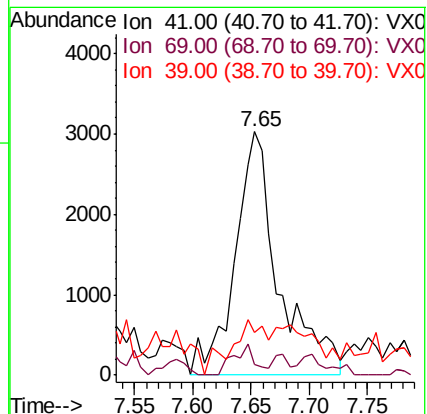
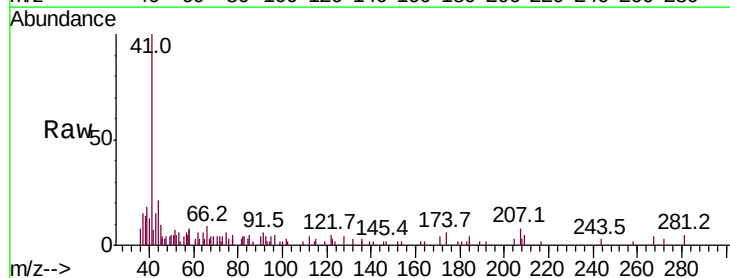
Tgt Ion: 41 Resp: 7956

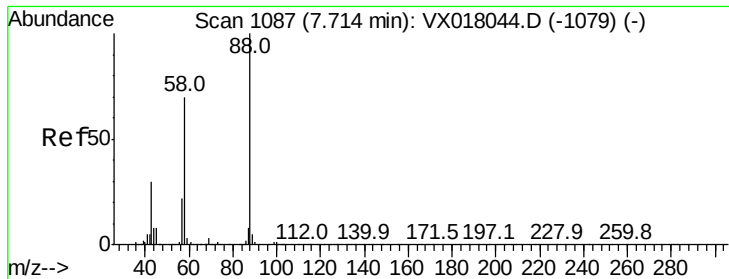
Ion Ratio Lower Upper

41 100

69 6.2 65.5 98.3#

39 0.0 44.5 66.7#





#49

1,4-Dioxane

Concen: 0.469 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-0-1

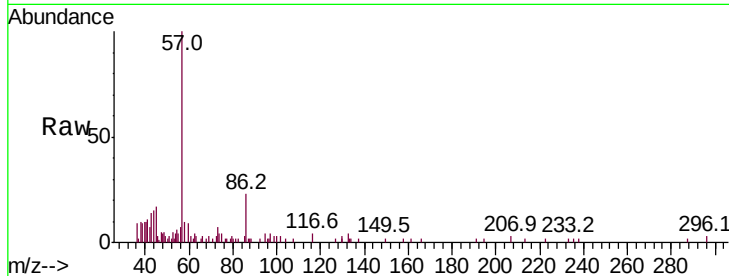
Tot Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 0.0 27.4 41.0#

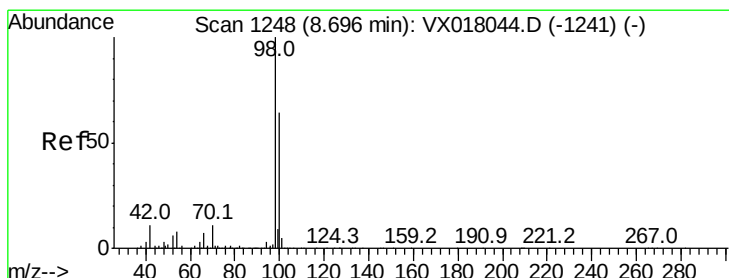
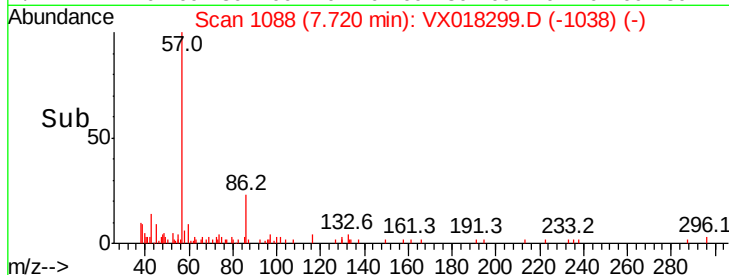
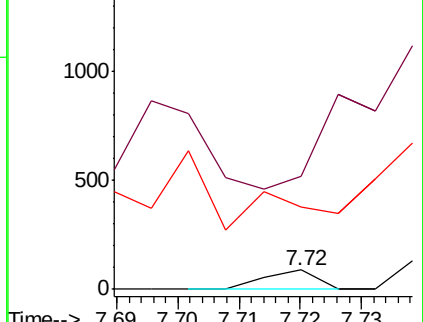
58 2120.8 56.4 84.6#



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: 48.839 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018299.D

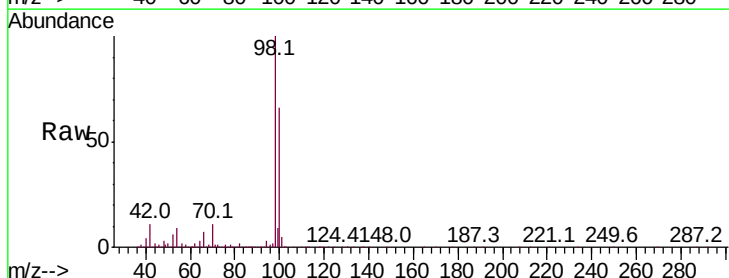
Acq: 09 Sep 2020 01:30

Tgt Ion: 98 Resp: 896503

Ion Ratio Lower Upper

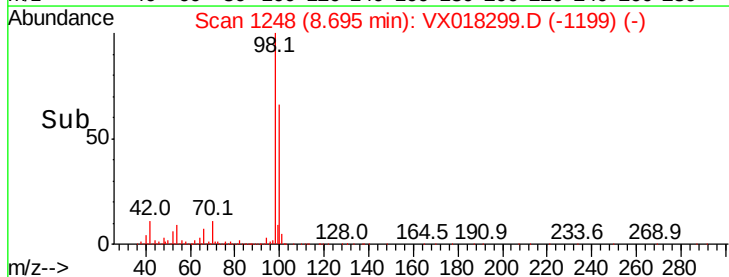
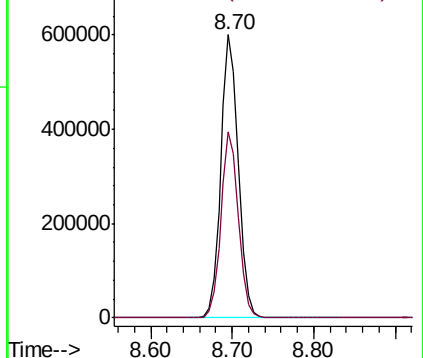
98 100

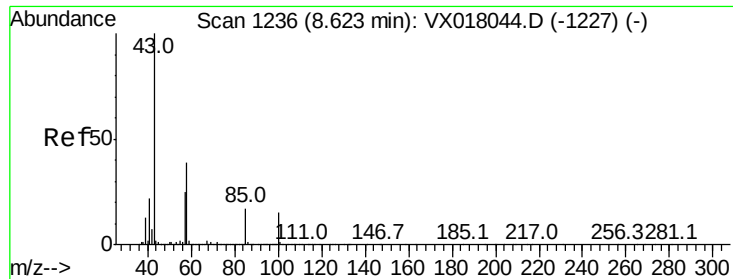
100 65.2 52.2 78.4



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: 13.164 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

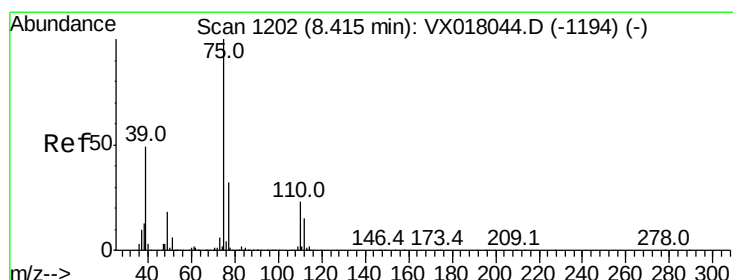
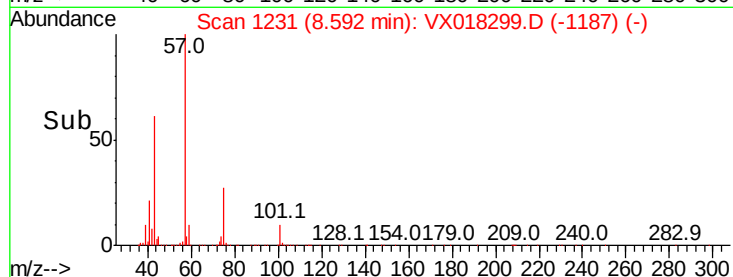
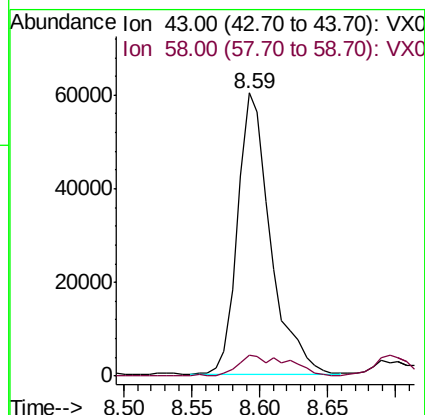
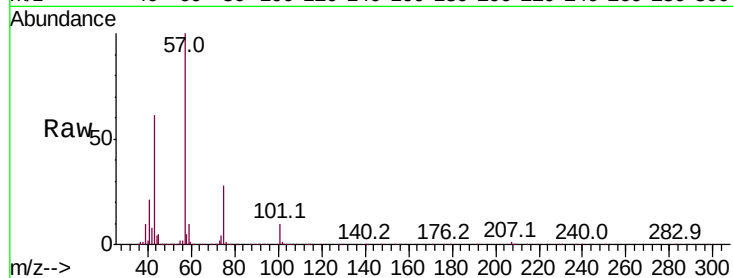
Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-0-1

Tot Ion: 43 Resp: 101819

Ion	Ratio	Lower	Upper
43	100		
58	11.7	30.7	46.1#



#54

cis-1,3-Dichloropropene

Concen: 4.677 ug/l

RT: 8.59 min Scan# 1231

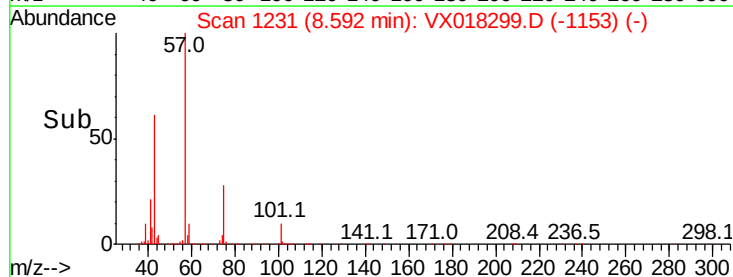
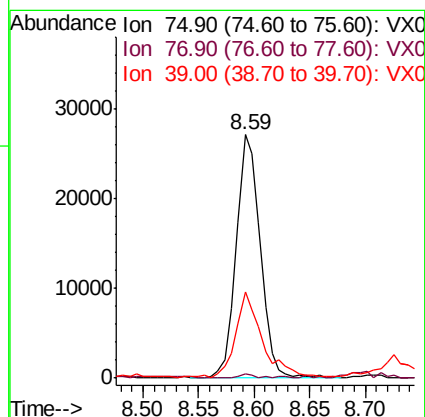
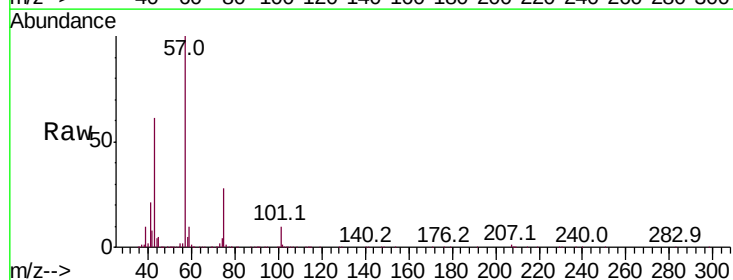
Delta R.T. 0.18 min

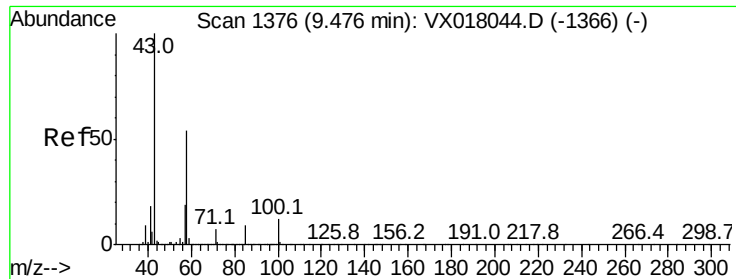
Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

Tgt Ion: 75 Resp: 40755

Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.8	38.8#
39	35.0	38.8	58.2#

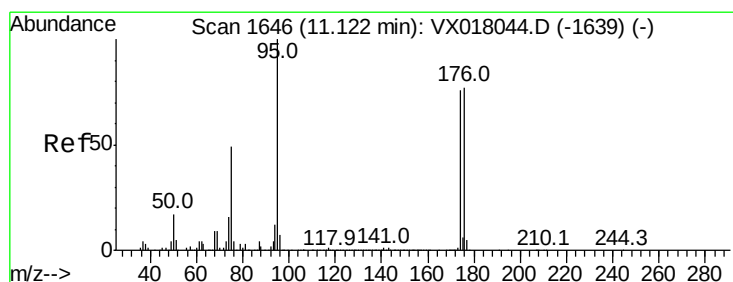
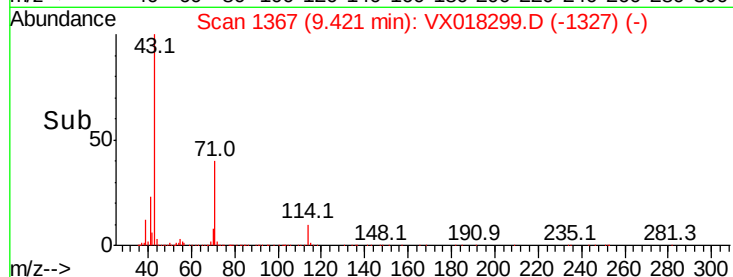
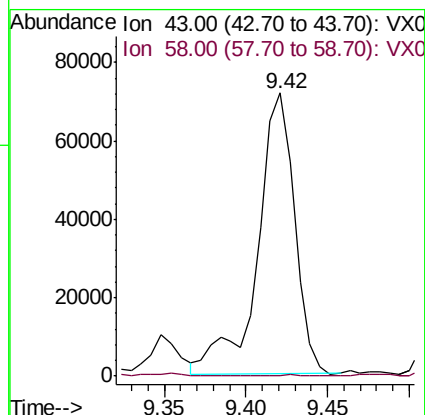
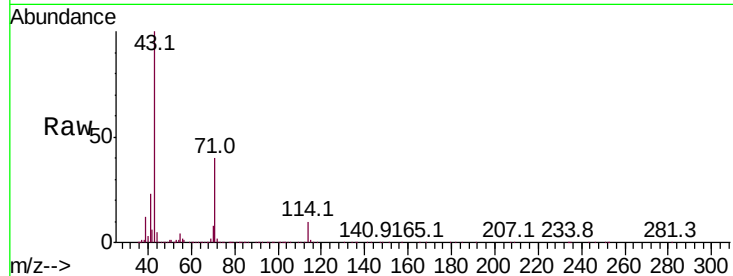




#59
2-Hexanone
Concen: 19.369 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.06 min
Lab File: VX018299.D
Acq: 09 Sep 2020 01:30

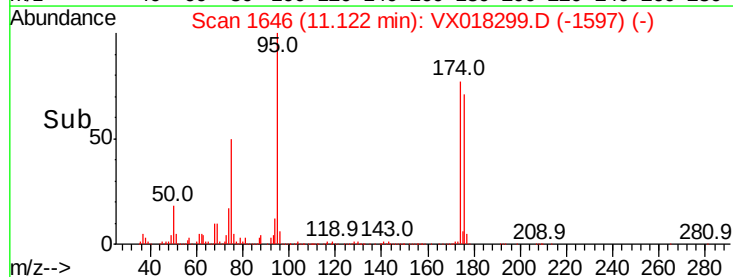
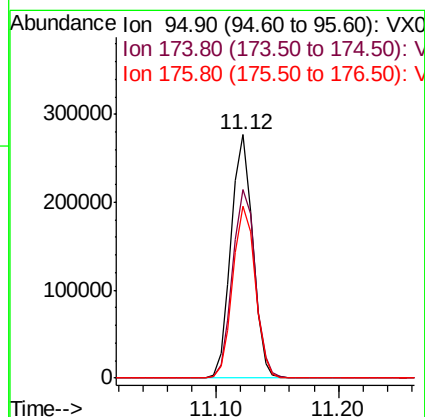
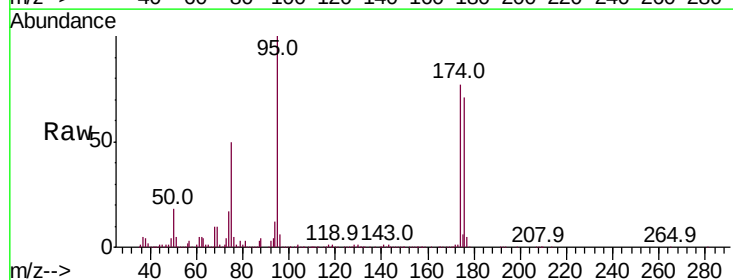
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-0-1

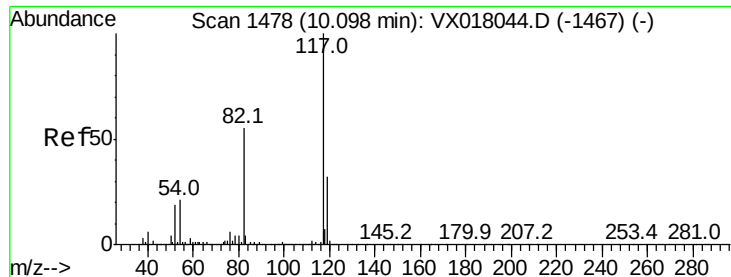
Tot Ion: 43 Resp: 113913
Ion Ratio Lower Upper
43 100
58 0.0 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 47.077 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX018299.D
Acq: 09 Sep 2020 01:30

Tgt Ion: 95 Resp: 339990
Ion Ratio Lower Upper
95 100
174 80.9 0.0 160.2
176 73.2 0.0 155.8

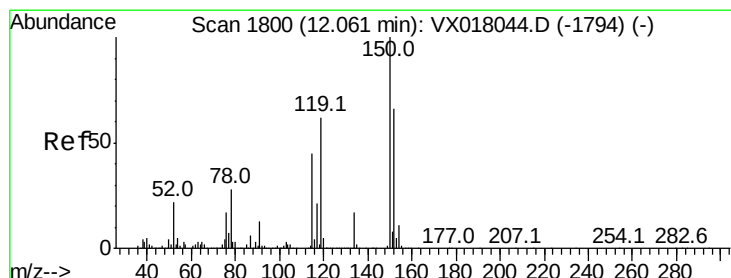
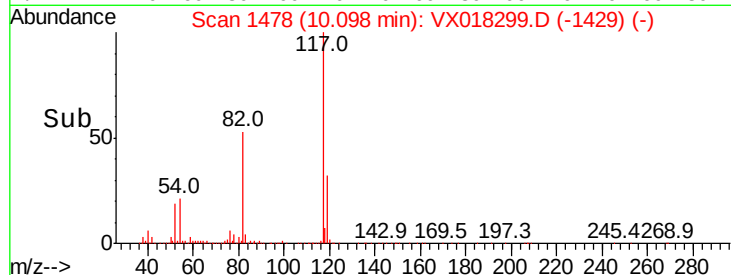
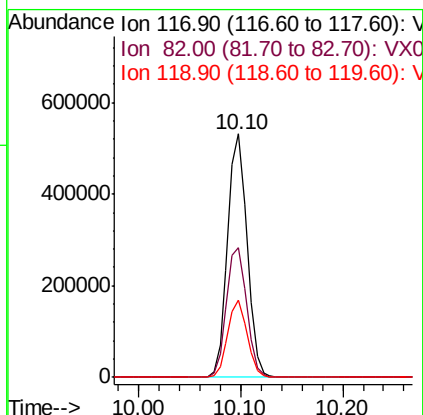
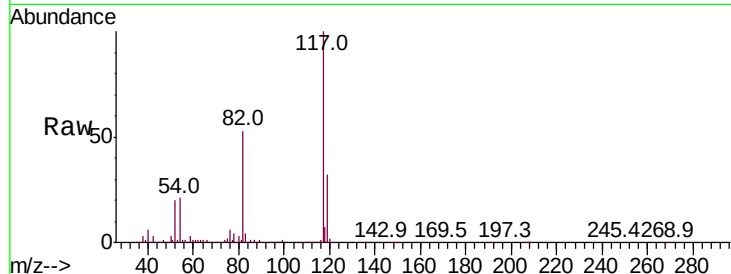




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018299.D
Acq: 09 Sep 2020 01:30

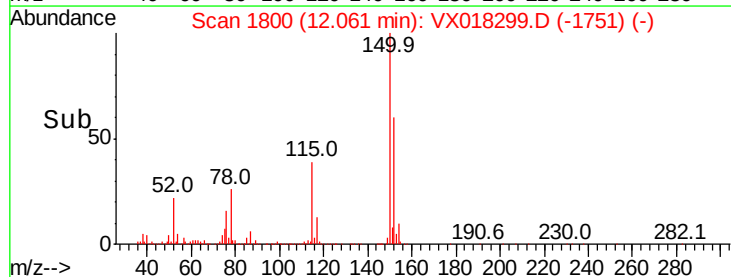
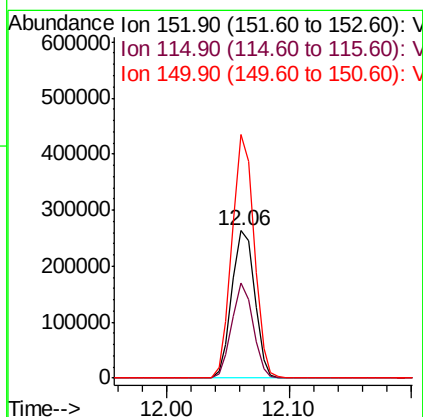
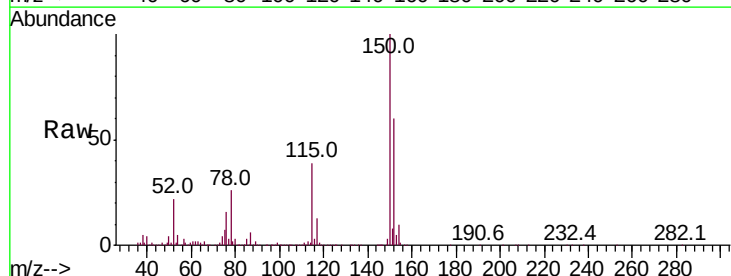
Instrument :
MSVOA_X
ClientSampleId :
PAV-B44-090320-0-1

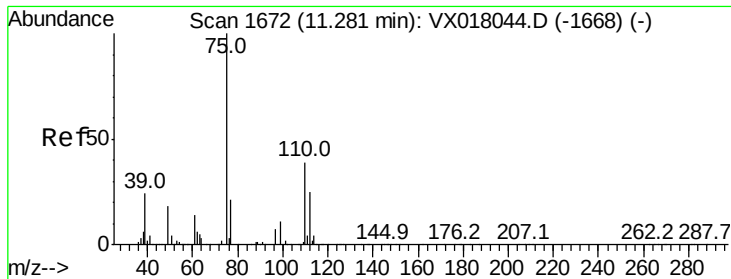
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	44.2	66.2
119	31.9	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX018299.D
Acq: 09 Sep 2020 01:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	41.5	124.5
150	158.1	0.0	343.8





#76

1,2,3-Trichloropropane

Concen: 23.056 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

Instrument :

MSVOA_X

ClientSampleId :

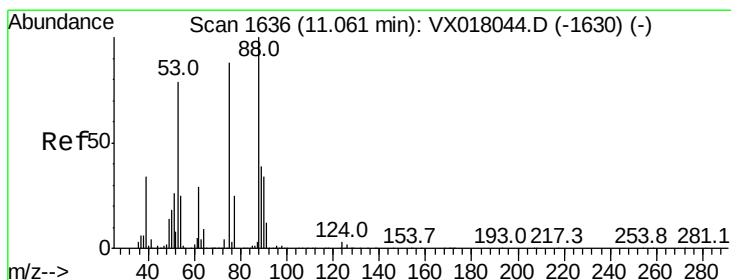
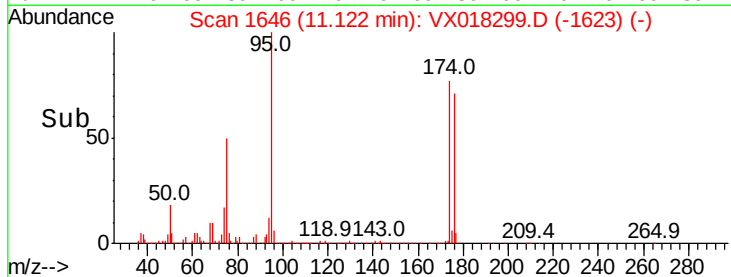
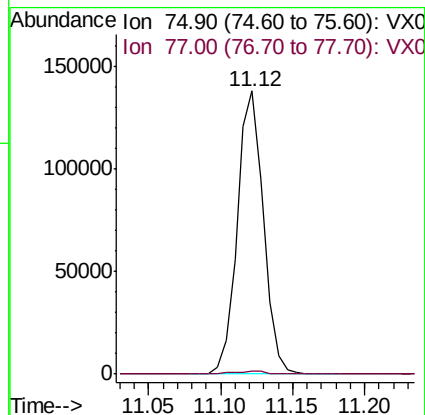
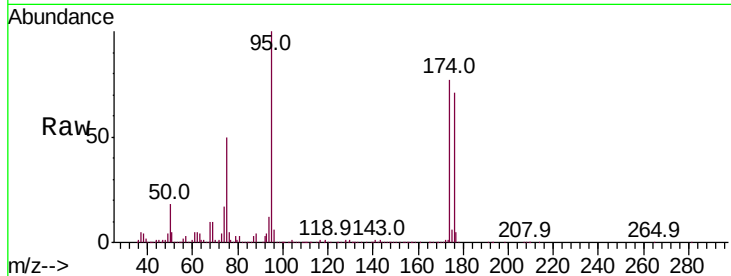
PAV-B44-090320-0-1

Tot Ion: 75 Resp: 175084

Ion Ratio Lower Upper

75 100

77 1.3 20.8 62.2#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.270 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

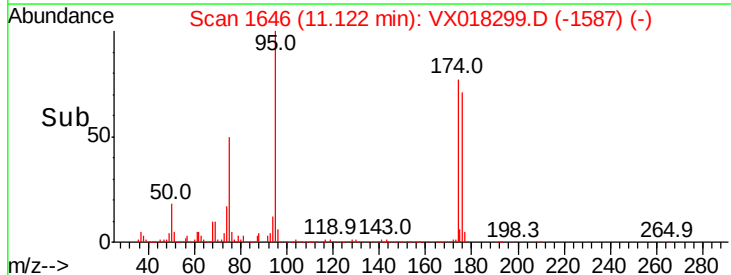
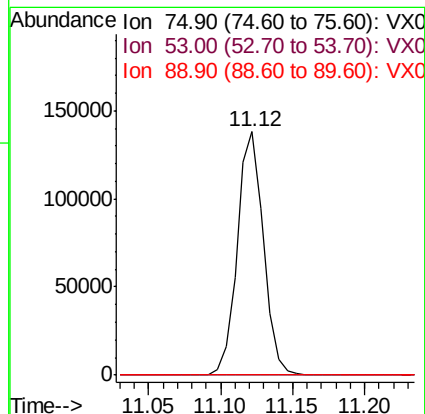
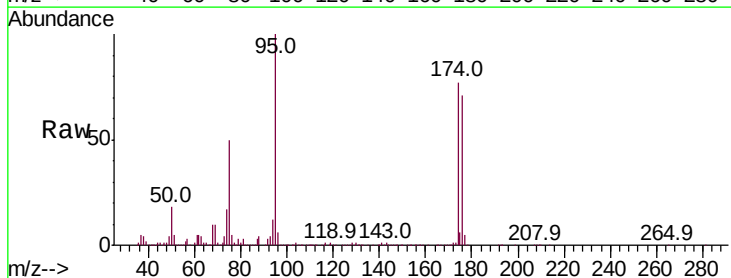
Tgt Ion: 75 Resp: 175084

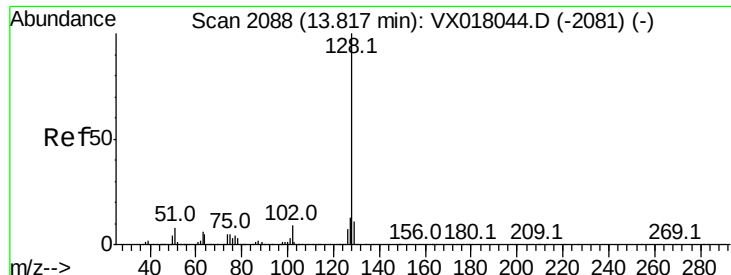
Ion Ratio Lower Upper

75 100

53 0.6 74.7 112.1#

89 0.0 36.6 54.8#





#95

Naphthalene

Concen: 1.220 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX018299.D

Acq: 09 Sep 2020 01:30

Instrument :

MSVOA_X

ClientSampleId :

PAV-B44-090320-0-1

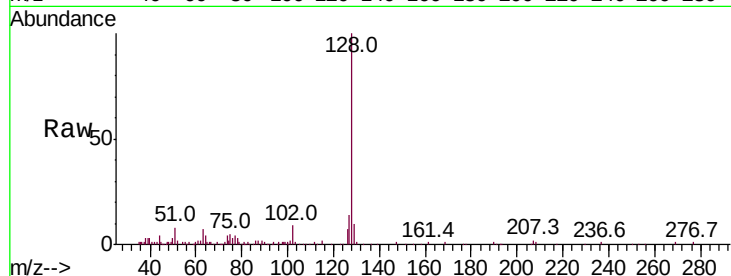
Tot Ion:128 Resp: 27549

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.7 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

