

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092220\
 Data File : VN063575.D
 Acq On : 23 Sep 2020 9:16
 Operator : JC/MD
 Sample : L4104-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-092120-DP

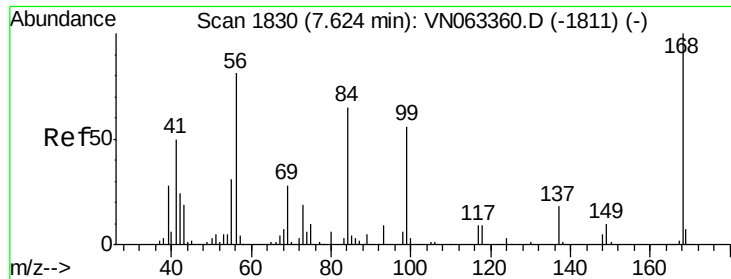
Quant Time: Sep 23 10:19:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	204514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	404866	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	411197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	171468	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	181516	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
35) Dibromofluoromethane	7.55	113	128278	45.77	ug/l	0.00
Spiked Amount			Recovery	=	91.54%	
50) Toluene-d8	10.06	98	516355	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.38	95	202077	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	16014	14.313	ug/l	98
18) Methyl Acetate	4.29	43	5558	1.957	ug/l #	68
20) Methylene Chloride	4.51	84	11559	4.078	ug/l #	92
25) 2-Butanone	6.79	43	1858	1.080	ug/l #	89
29) Tetrahydrofuran	7.17	42	1350	1.149	ug/l #	47
31) Cyclohexane	7.62	56	5883	1.224	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	19638	4.553	ug/l #	52
38) Carbon Tetrachloride	7.63	117	23690	5.380	ug/l #	17
41) Methacrylonitrile	7.15	41	481	0.253	ug/l #	100
43) Isopropyl Acetate	8.13	43	77821	10.281	ug/l	97
45) 1,2-Dichloropropane	9.24	63	1832	0.546	ug/l #	43
48) Methyl methacrylate	9.15	41	5762	1.549	ug/l #	15
49) 1,4-Dioxane	9.24	88	130	2.436	ug/l #	1
51) 4-Methyl-2-Pentanone	9.95	43	7502	1.770	ug/l #	85
54) cis-1,3-Dichloropropene	9.87	75	32517	6.031	ug/l #	63
56) Ethyl methacrylate	10.51	69	1610	0.351	ug/l #	1
57) 1,3-Dichloropropane	10.74	76	5546	1.046	ug/l #	42
59) 2-Hexanone	10.74	43	87281	28.429	ug/l #	54
74) N-amyl acetate	12.01	43	2691	0.414	ug/l #	50
76) 1,2,3-Trichloropropane	12.38	75	115630	27.245	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115630	74.696	ug/l #	7

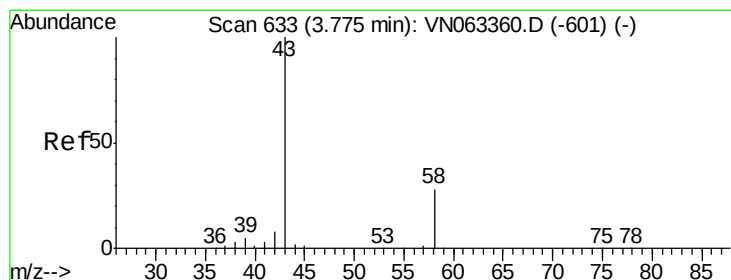
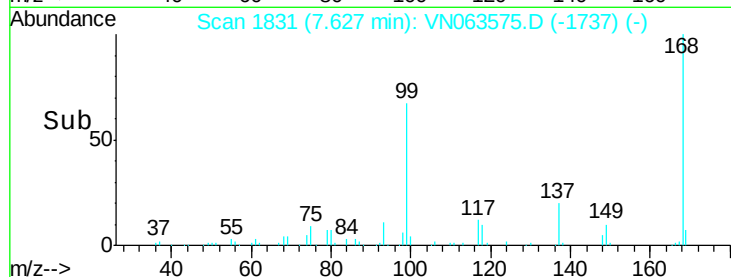
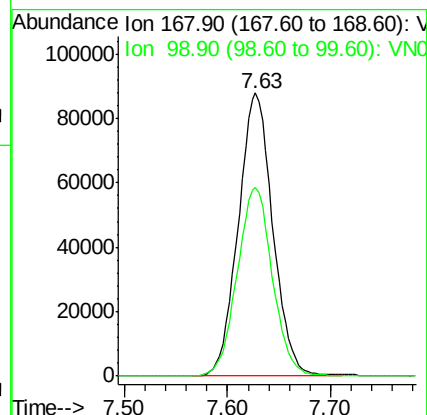
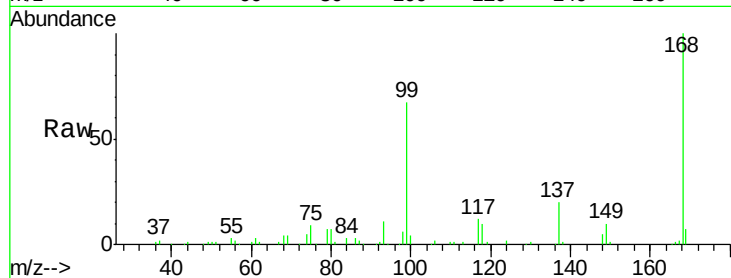
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN063575.D
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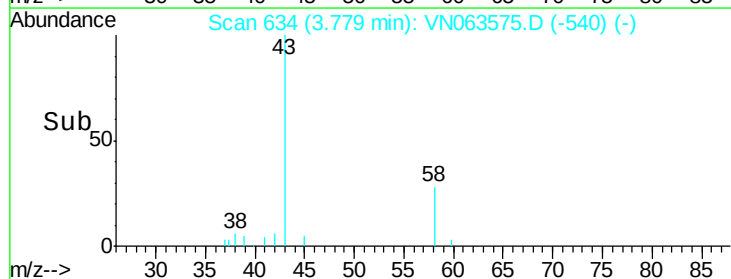
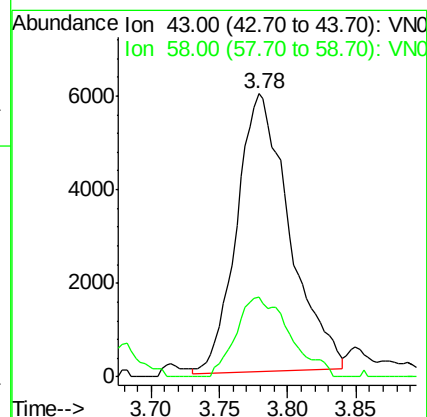
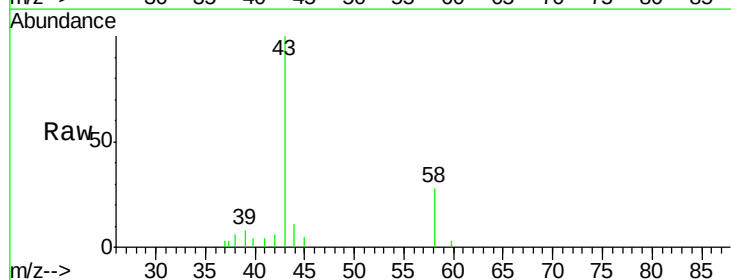
Instrument :
MSVOA_N
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PAV-092120-DP

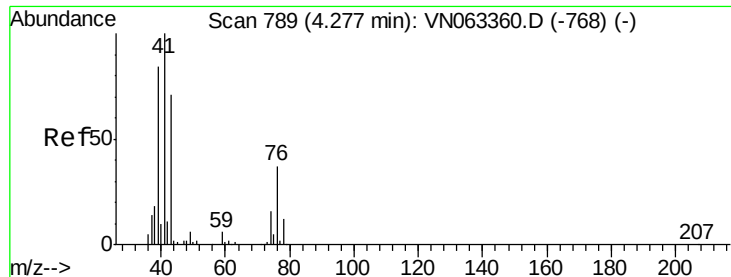
Tgt Ion: 168 Resp: 204514
Ion Ratio Lower Upper
168 100
99 66.6 53.0 79.6



#16
Acetone
Concen: 14.313 ug/l
RT: 3.78 min Scan# 634
Delta R.T. 0.00 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

Tgt Ion: 43 Resp: 16014
Ion Ratio Lower Upper
43 100
58 28.9 22.3 33.5

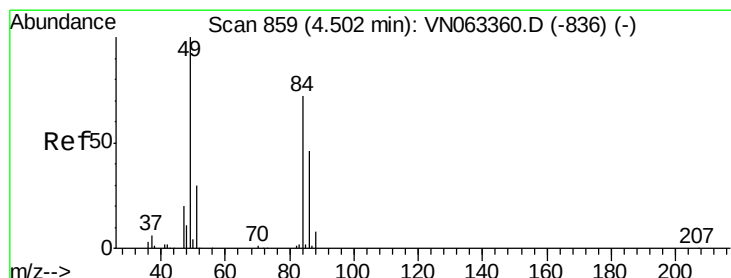
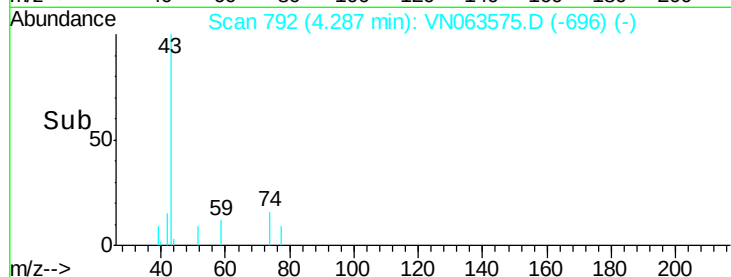
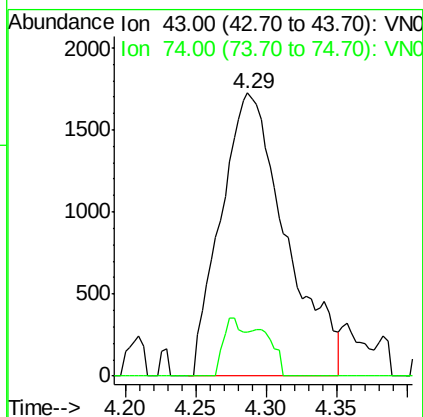
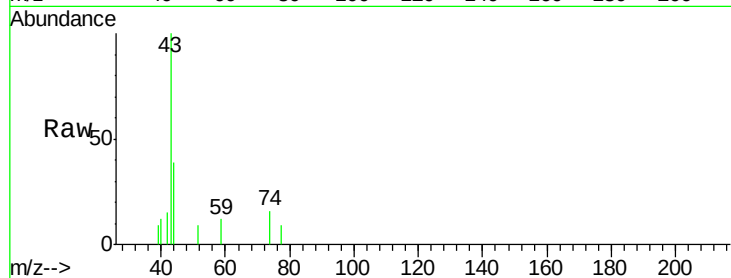




#18
Methyl Acetate
Concen: 1.957 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

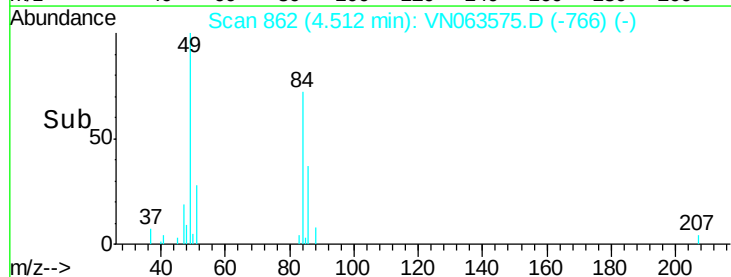
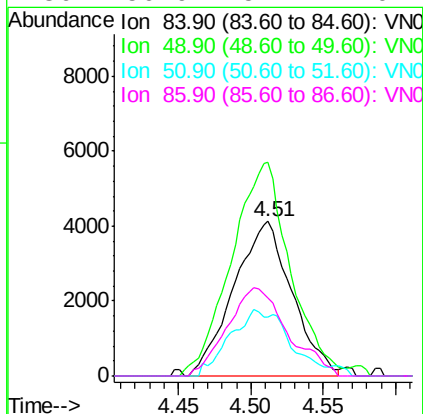
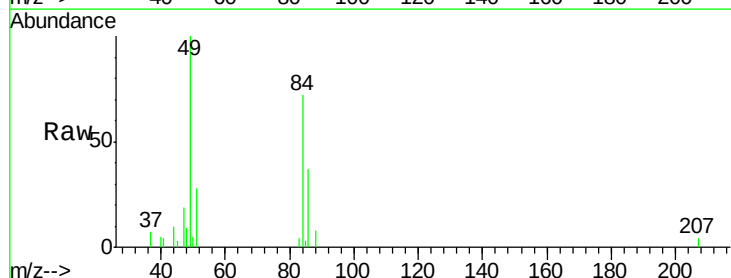
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MSVOA_N
ClientSampleId :
PAV-092120-DP

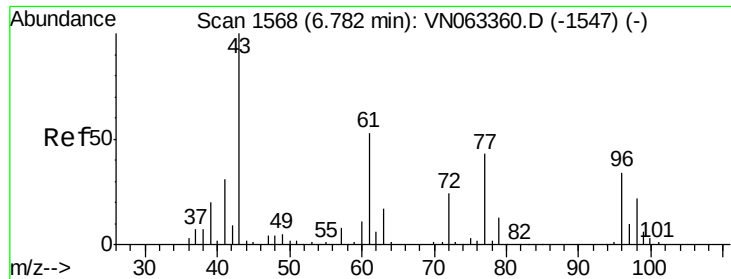
Tgt Ion: 43 Resp: 5558
Ion Ratio Lower Upper
43 100
74 6.8 17.4 26.2#



#20
Methylene Chloride
Concen: 4.078 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

Tgt Ion: 84 Resp: 11559
Ion Ratio Lower Upper
84 100
49 132.6 110.7 166.1
51 38.3 32.9 49.3
86 50.9 51.1 76.7#

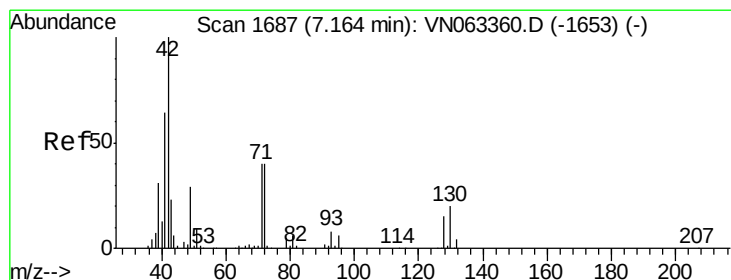
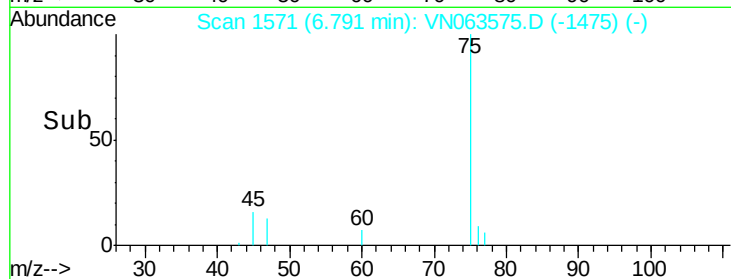
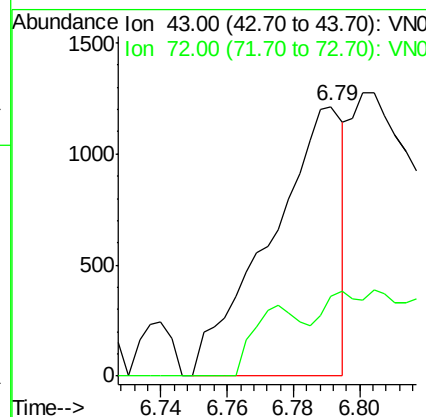
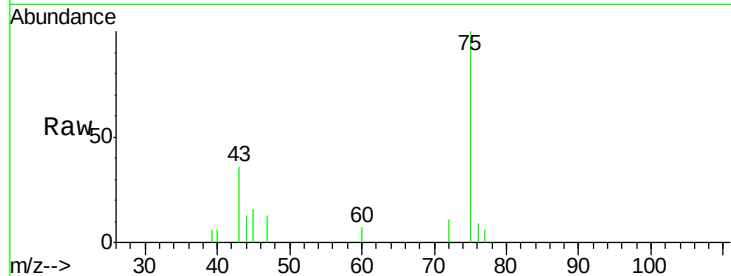




#25
2-Butanone
Concen: 1.080 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

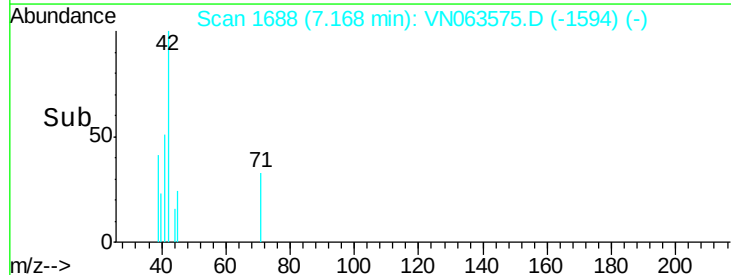
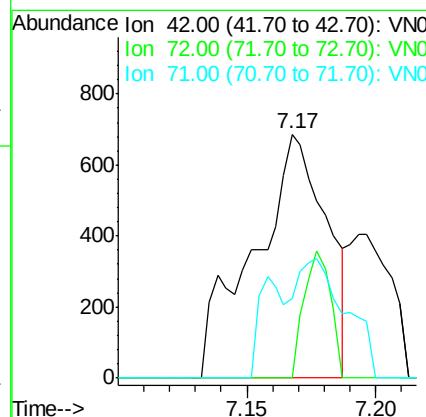
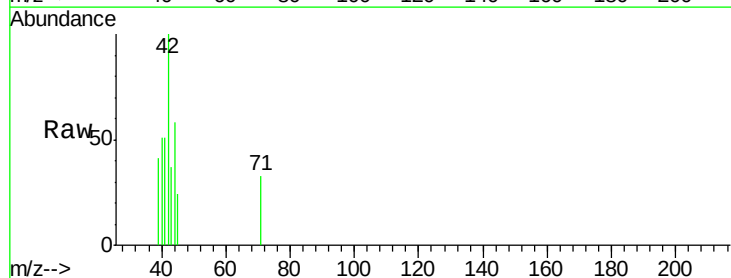
Instrument :
MSVOA_N
ClientSampled :
PAV-092120-DP

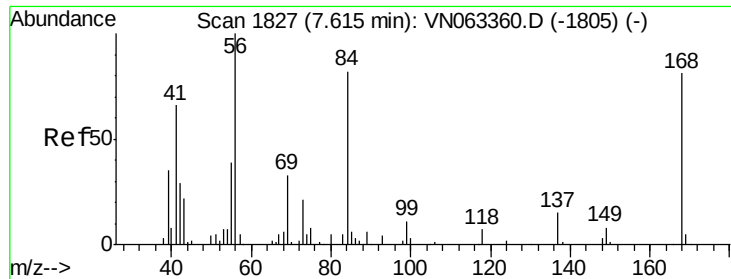
Tgt Ion: 43 Resp: 1858
Ion Ratio Lower Upper
43 100
72 29.5 19.2 28.8#



#29
Tetrahydrofuran
Concen: 1.149 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

Tgt Ion: 42 Resp: 1350
Ion Ratio Lower Upper
42 100
72 0.0 32.1 48.1#
71 14.1 31.2 46.8#

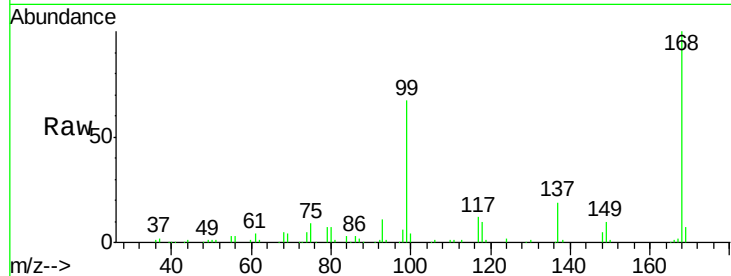




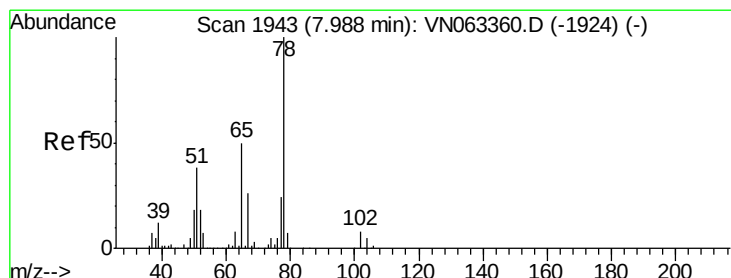
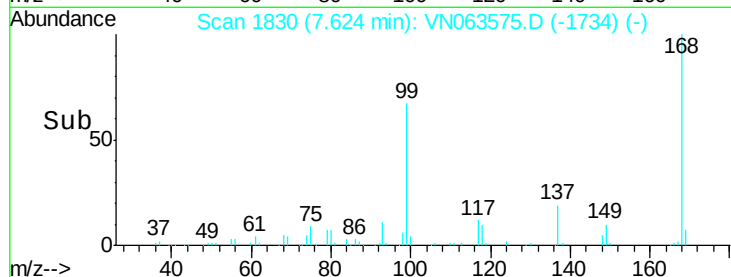
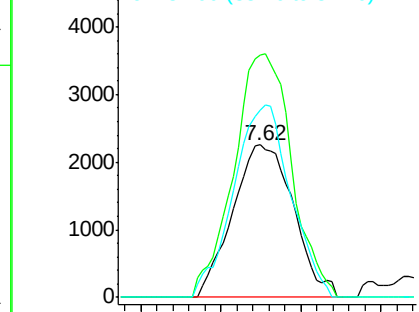
#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

Instrument :
MSVOA_N
ClientSampleId :
PAV-092120-DP

Tgt Ion: 56 Resp: 5883
Ion Ratio Lower Upper
56 100
69 159.3 26.1 39.1#
84 134.4 65.4 98.2#

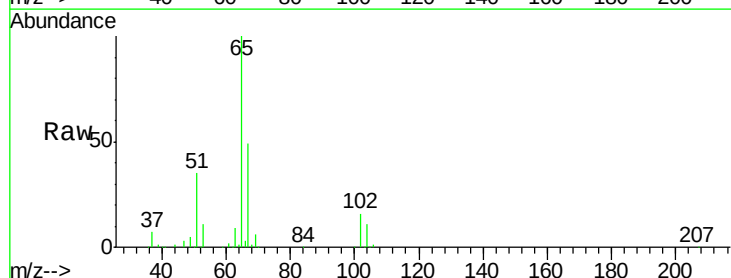


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

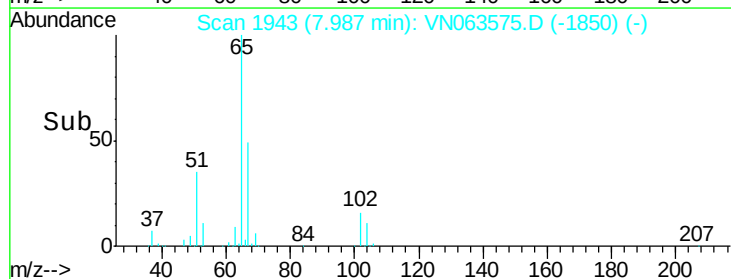
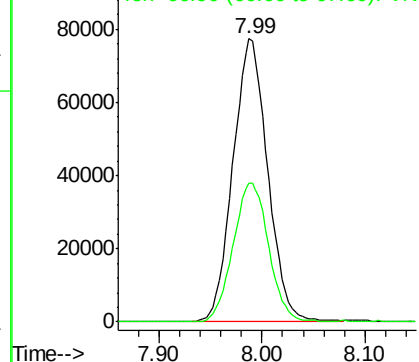


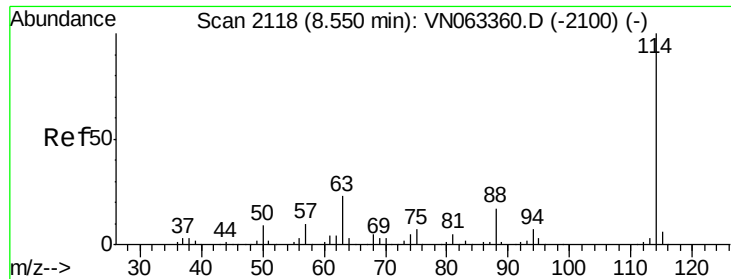
#33
1,2-Dichloroethane-d4
Concen: 52.139 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

Tgt Ion: 65 Resp: 181516
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

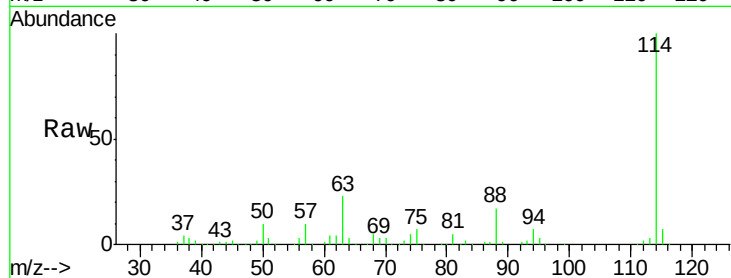




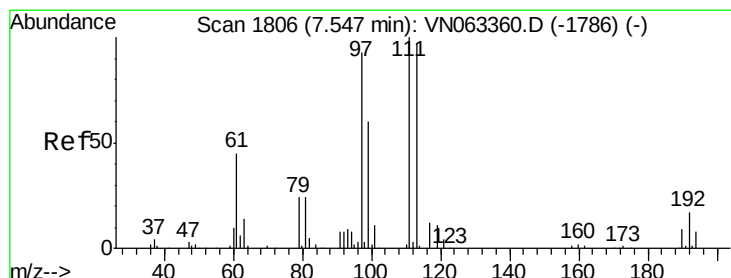
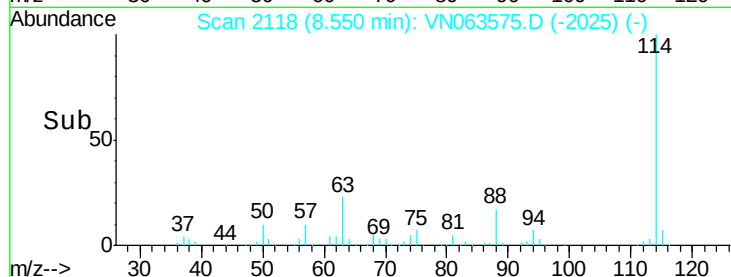
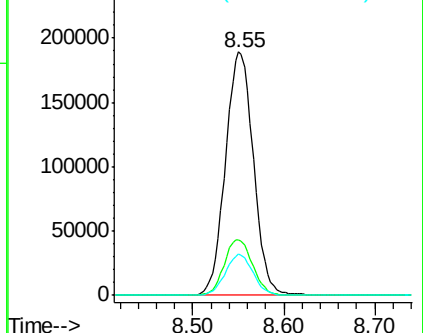
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

Instrument :
MSVOA_N
ClientSampleId :
PAV-092120-DP

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	46.4
88	16.9	0.0	33.2

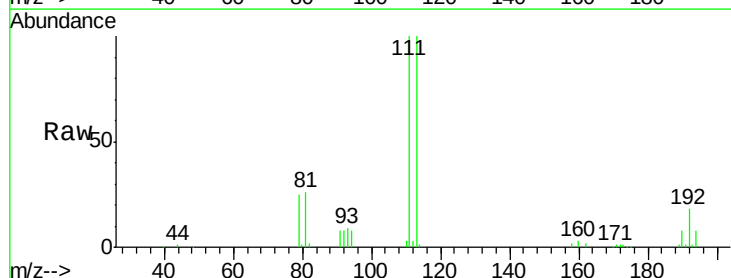


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

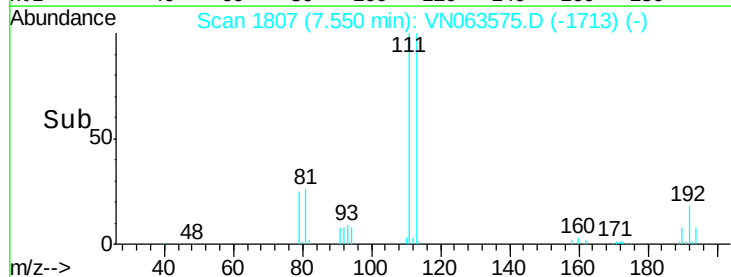
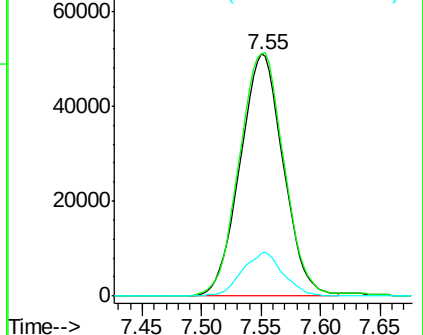


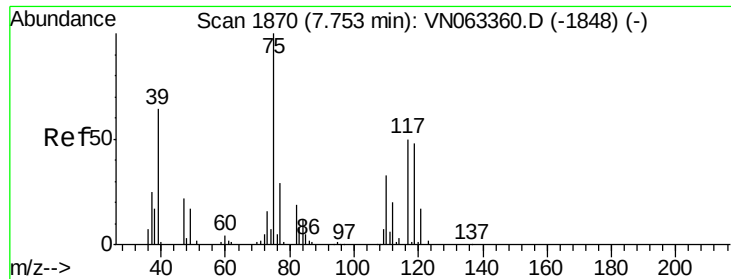
#35
Dibromofluoromethane
Concen: 45.768 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	17.1	13.9	20.9



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

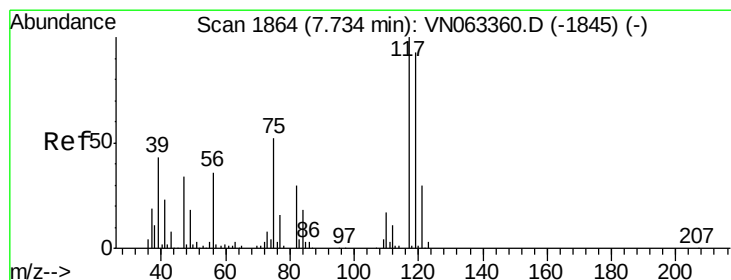
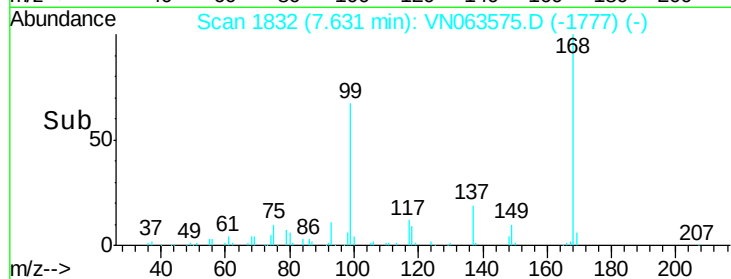
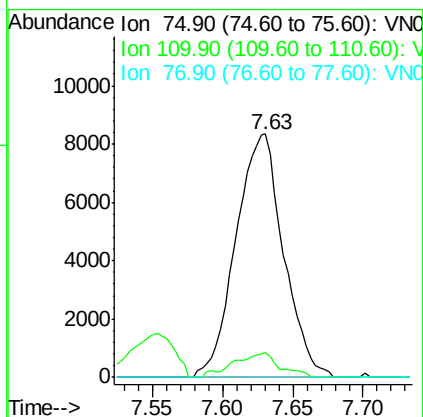
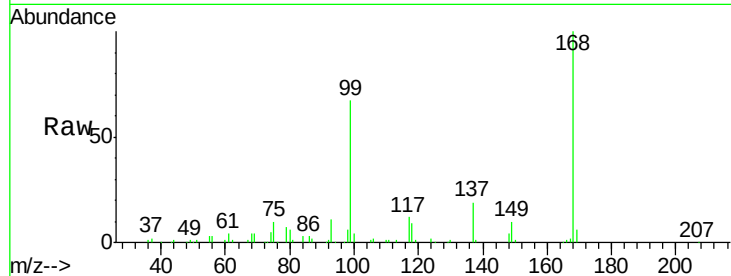




#36
 1,1-Dichloropropene
 Concen: 4.553 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

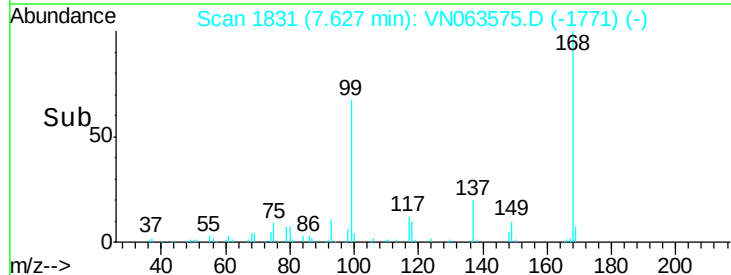
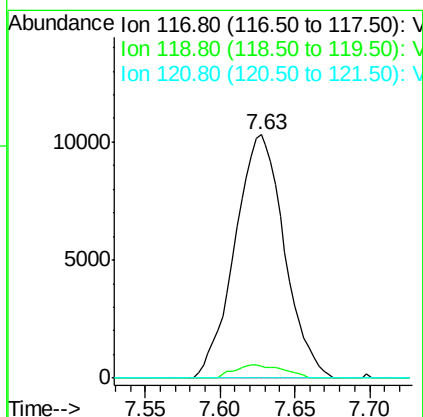
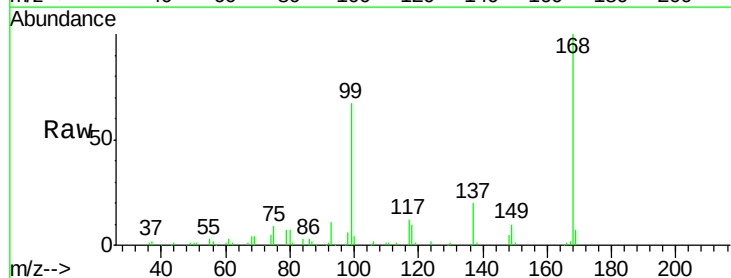
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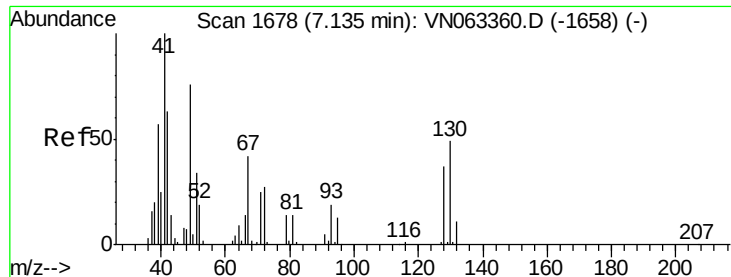
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.5	49.5#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.380 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	74.5	111.7#
121	0.0	24.1	36.1#

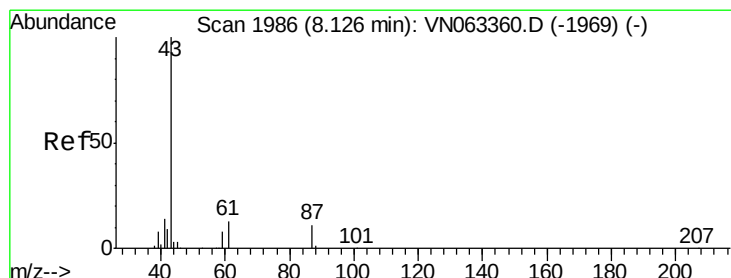
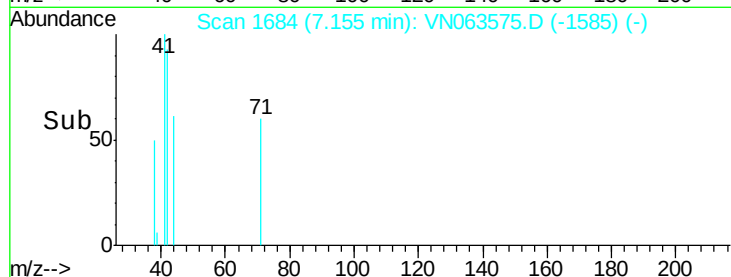
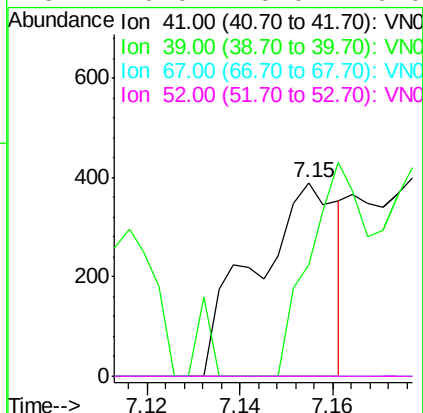
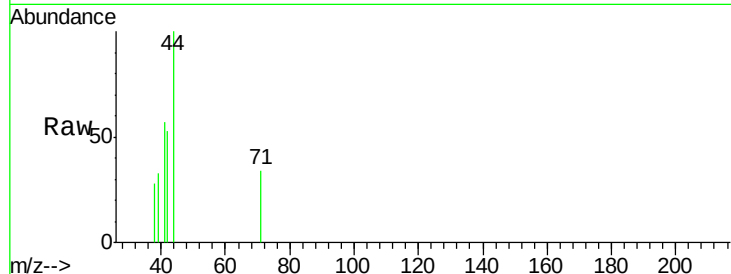




#41
Methacrylonitrile
Concen: 0.253 ug/l
RT: 7.15 min Scan# 1684
Delta R.T. 0.02 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

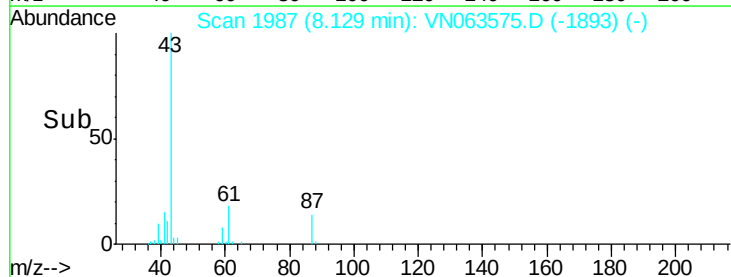
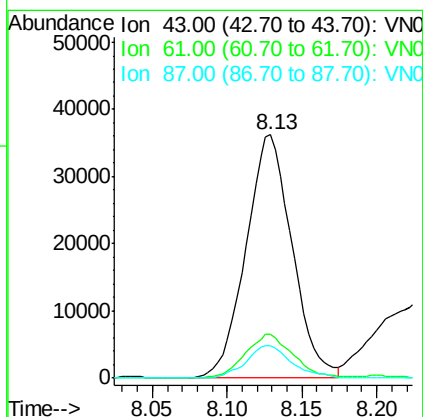
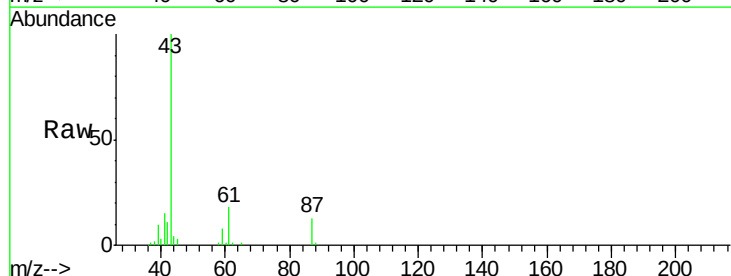
Instrument :
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ClientSampleId :
PAV-092120-DP

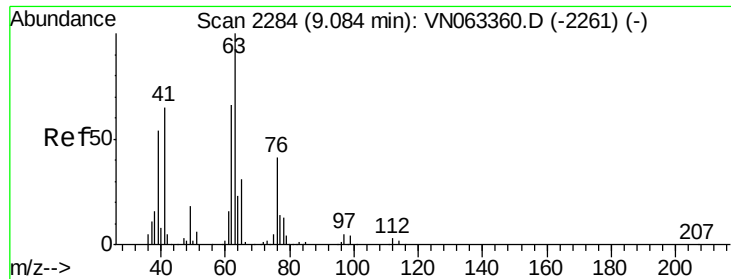
Tgt Ion:	41	Resp:	481
Ion	Ratio	Lower	Upper
41	100		
39	73.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 10.281 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN063575.D
Acq: 23 Sep 2020 9:16

Tgt Ion:	43	Resp:	77821
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.2	21.2
87	13.0	9.0	13.6

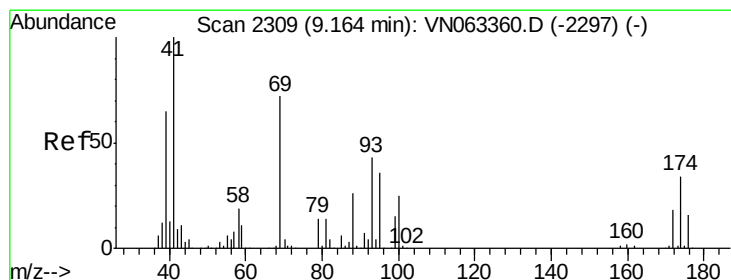
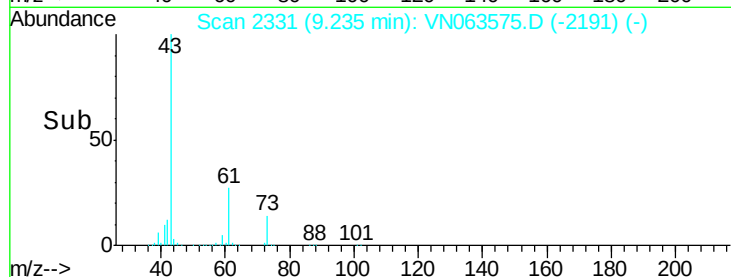
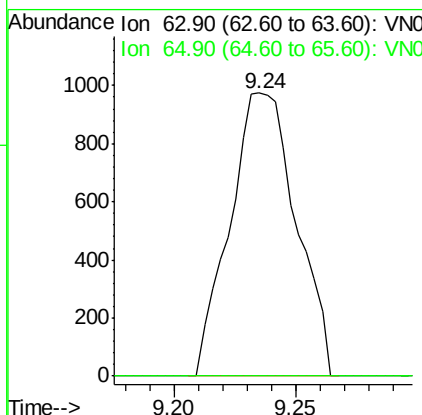
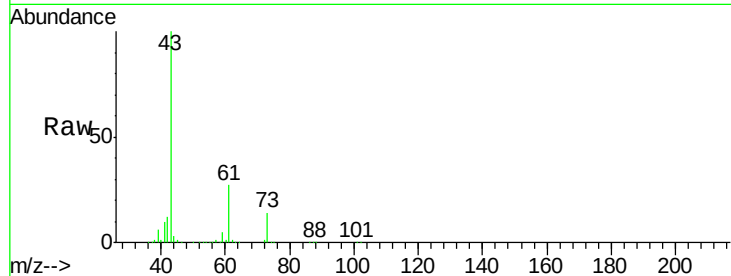




#45
 1,2-Dichloropropane
 Concen: 0.546 ug/l
 RT: 9.24 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

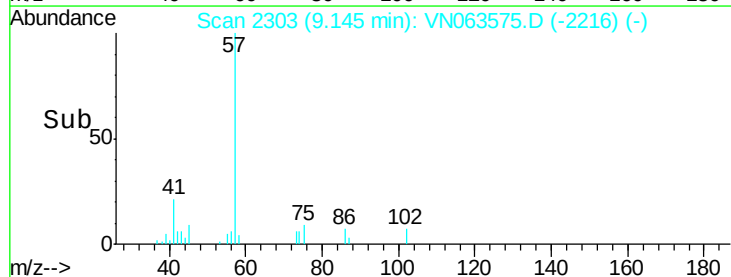
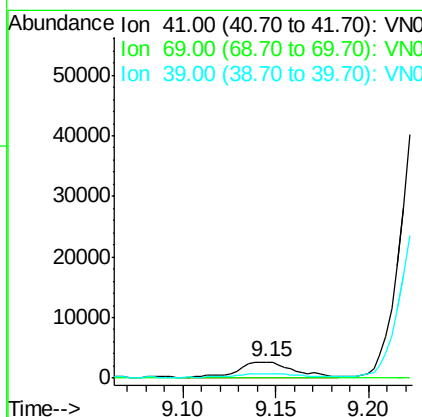
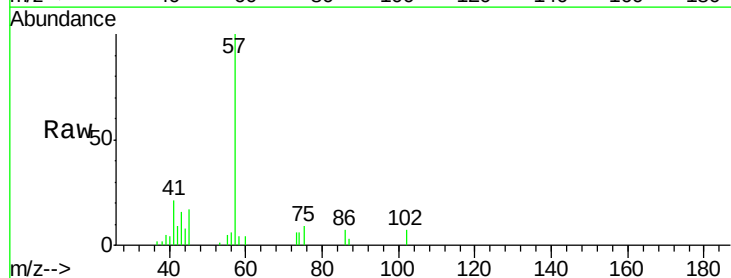
Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-092120-DP

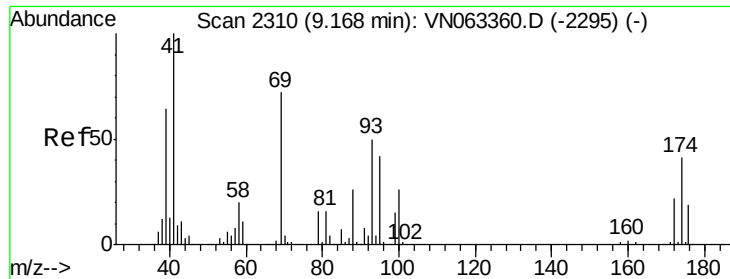
Tgt Ion: 63 Resp: 1832
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.6#



#48
 Methyl methacrylate
 Concen: 1.549 ug/l
 RT: 9.15 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

Tgt Ion: 41 Resp: 5762
 Ion Ratio Lower Upper
 41 100
 69 0.0 59.3 88.9#
 39 0.0 52.9 79.3#





#49

1,4-Dioxane

Concen: 2.436 ug/l

RT: 9.24 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN063575.D

Acq: 23 Sep 2020 9:16

Instrument :

MSVOA_N

ClientSampleId :

PAV-092120-DP

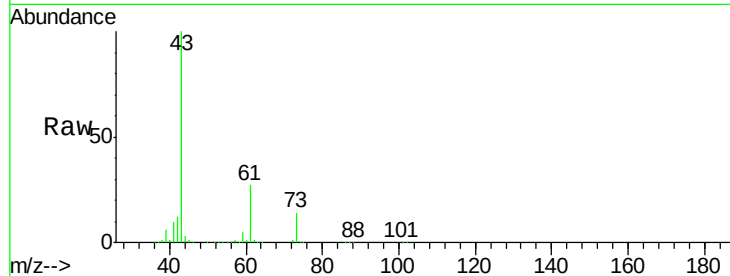
Tgt Ion: 88 Resp: 130

Ion Ratio Lower Upper

88 100

43 1060623.8 32.6 49.0#

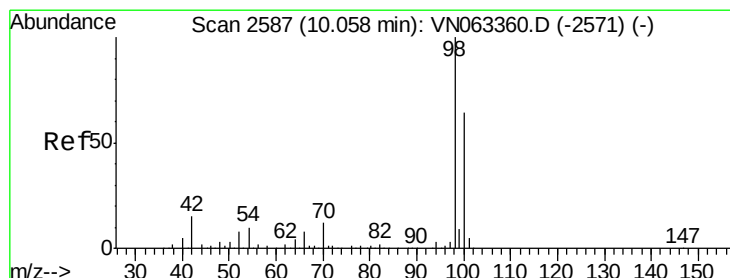
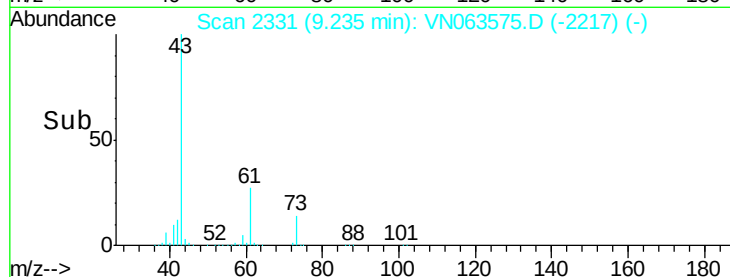
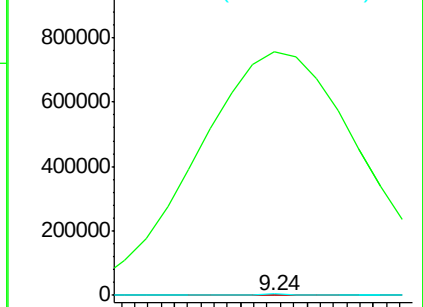
58 4766.2 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VN063360.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN063360.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2295) (-)



#50

Toluene-d8

Concen: 48.994 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063575.D

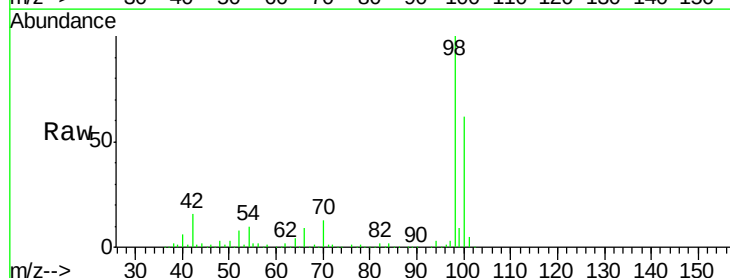
Acq: 23 Sep 2020 9:16

Tgt Ion: 98 Resp: 516355

Ion Ratio Lower Upper

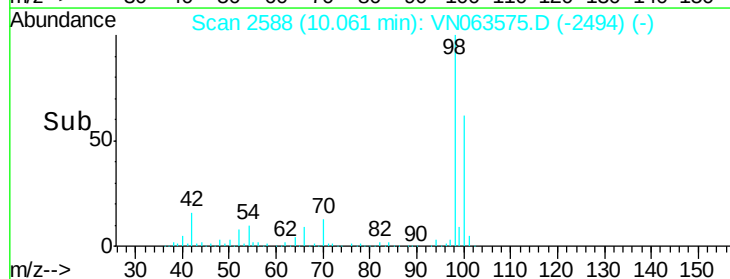
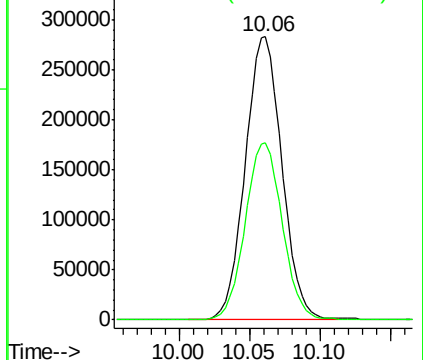
98 100

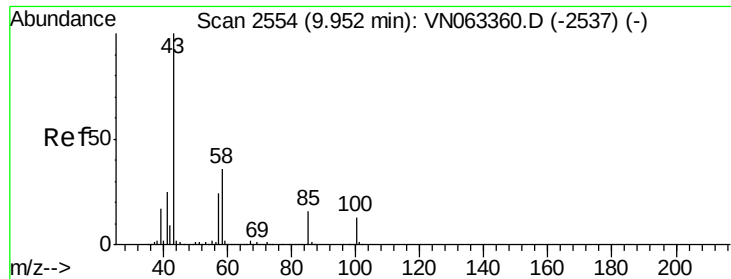
100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)

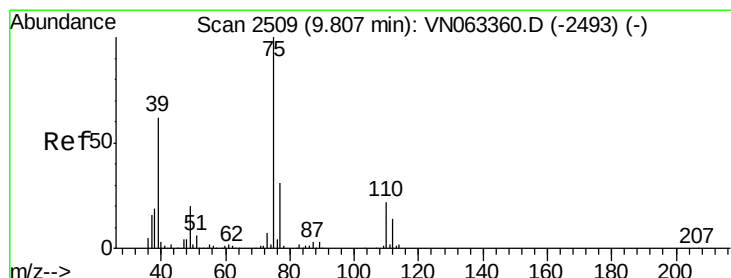
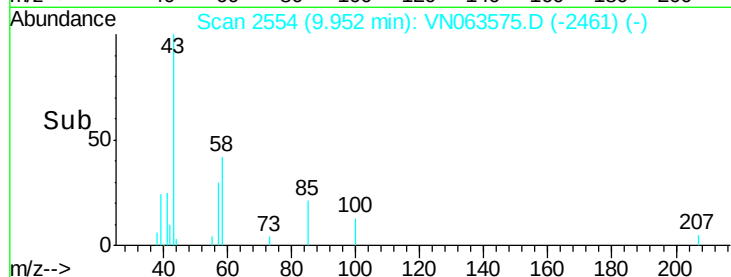
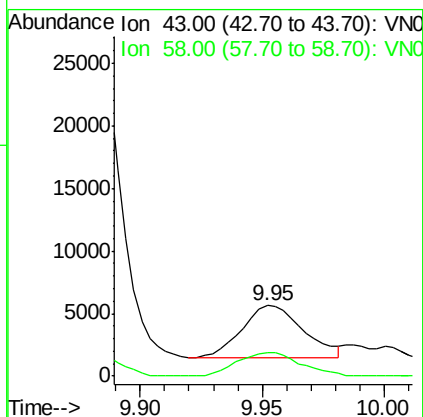
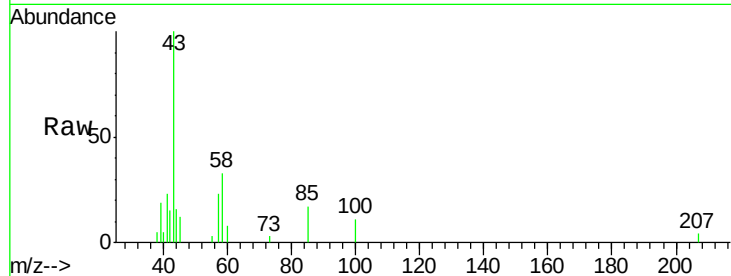




#51
 4-Methyl-2-Pentanone
 Concen: 1.770 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

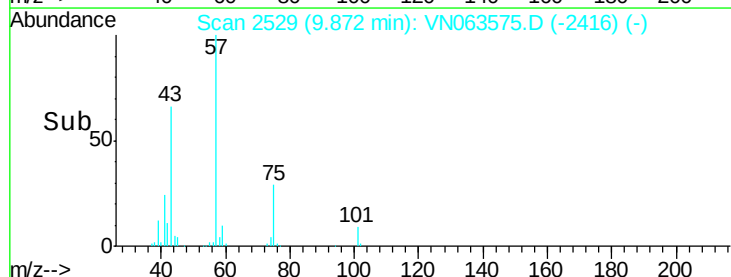
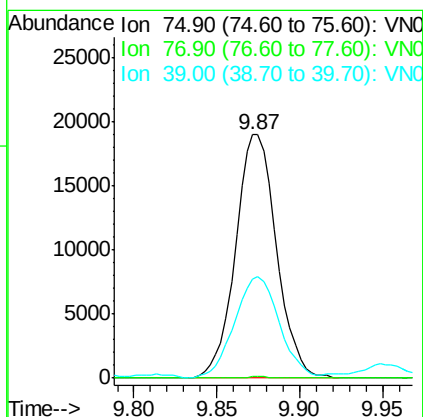
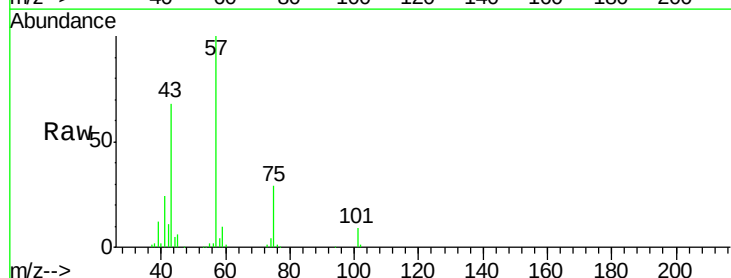
Instrument :
 MSVOA_N
 ClientSampled :
 PAV-092120-DP

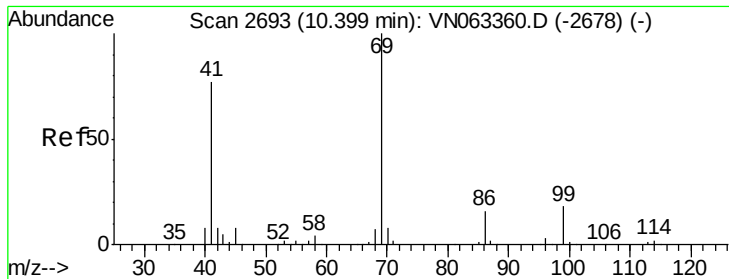
Tgt Ion: 43 Resp: 7502
 Ion Ratio Lower Upper
 43 100
 58 45.2 29.0 43.6#



#54
 cis-1,3-Dichloropropene
 Concen: 6.031 ug/l
 RT: 9.87 min Scan# 2529
 Delta R.T. 0.06 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

Tgt Ion: 75 Resp: 32517
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.6 37.0#
 39 40.9 49.8 74.8#





#56

Ethyl methacrylate

Concen: 0.351 ug/l

RT: 10.51 min Scan# 2728

Delta R.T. 0.11 min

Lab File: VN063575.D

Acq: 23 Sep 2020 9:16

Instrument :

MSVOA_N

ClientSampleId :

PAV-092120-DP

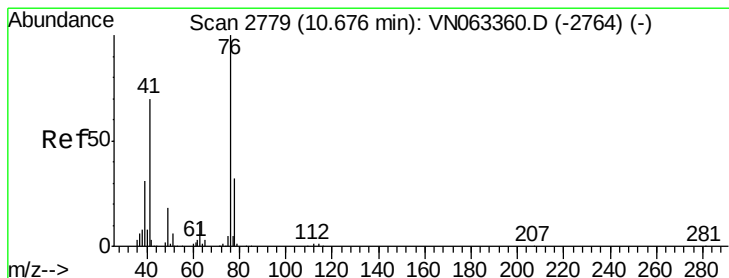
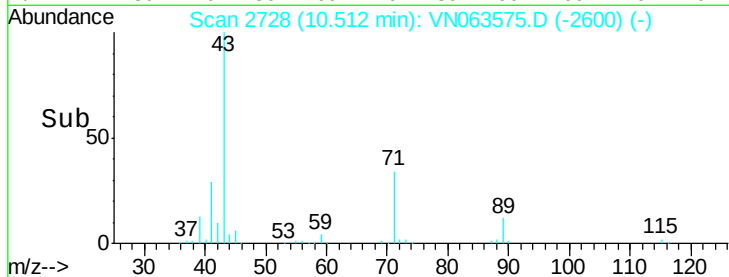
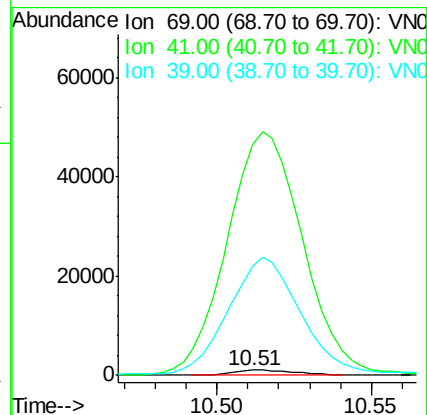
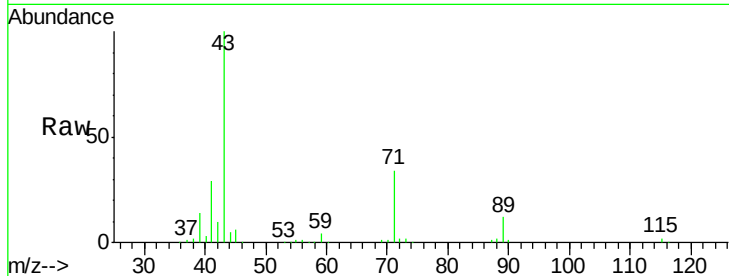
Tgt Ion: 69 Resp: 1610

Ion Ratio Lower Upper

69 100

41 5156.8 61.0 91.6#

39 2460.9 39.2 58.8#



#57

1,3-Dichloropropane

Concen: 1.046 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.06 min

Lab File: VN063575.D

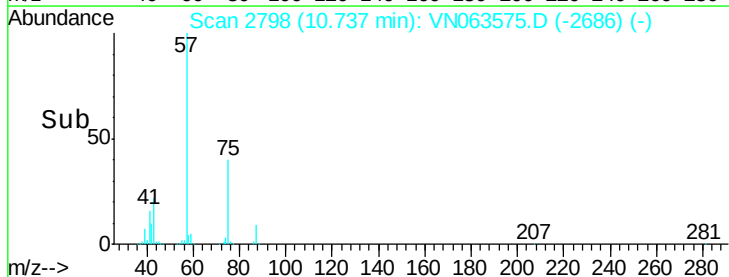
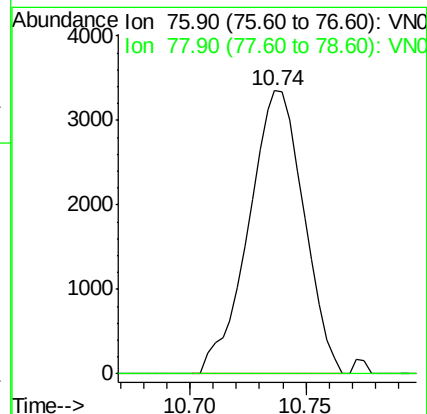
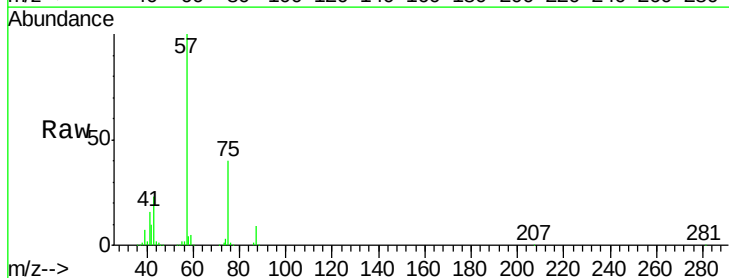
Acq: 23 Sep 2020 9:16

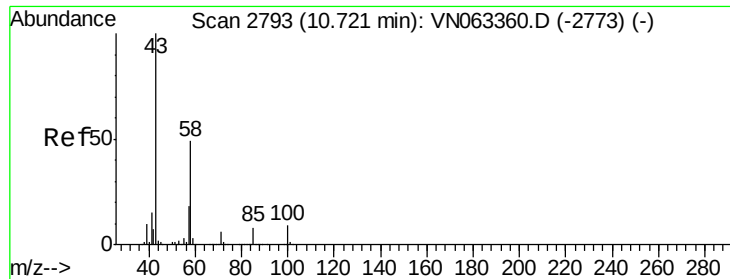
Tgt Ion: 76 Resp: 5546

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#

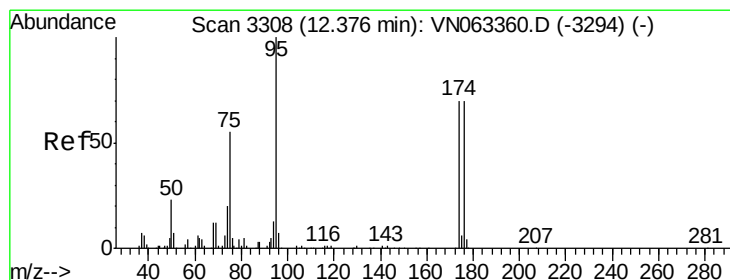
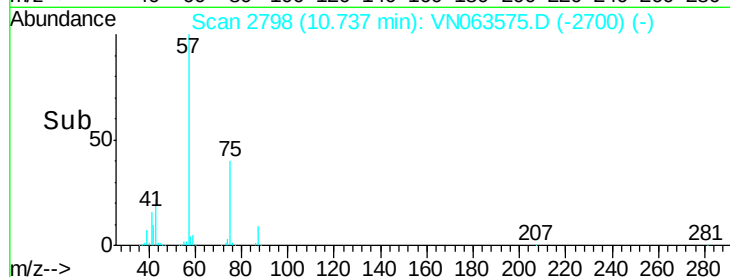
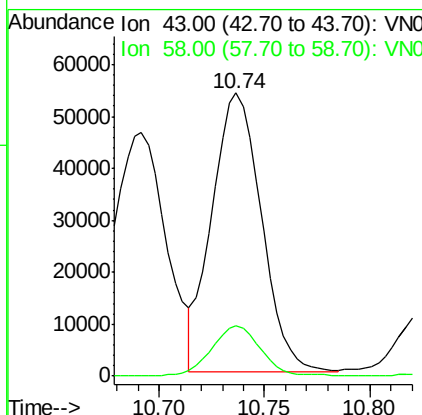
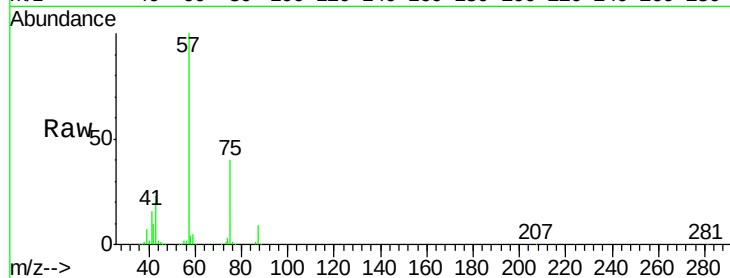




#59
 2-Hexanone
 Concen: 28.429 ug/l
 RT: 10.74 min Scan# 2798
 Delta R.T. 0.02 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

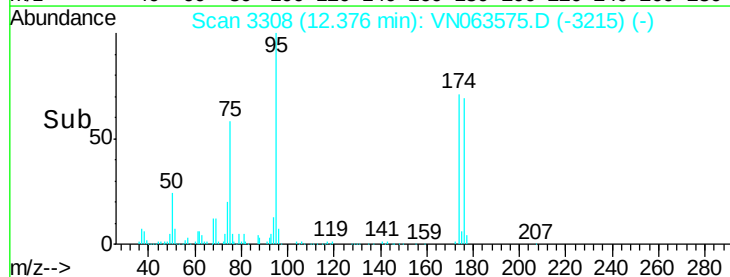
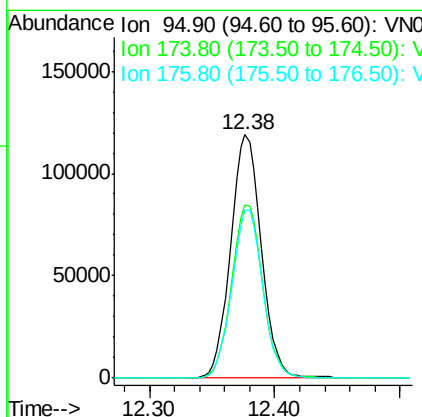
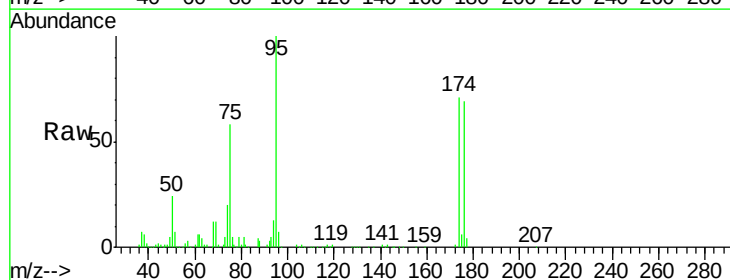
Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-092120-DP

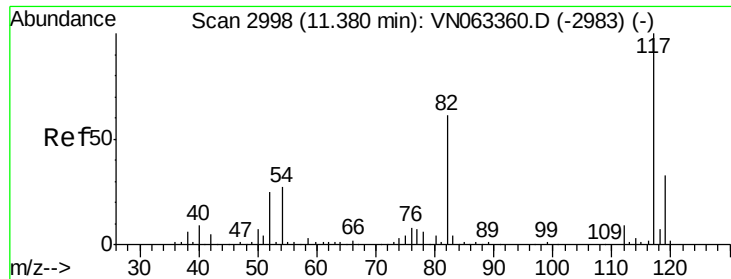
Tgt Ion: 43 Resp: 87281
 Ion Ratio Lower Upper
 43 100
 58 18.0 24.7 74.1#



#62
 4-Bromofluorobenzene
 Concen: 52.305 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

Tgt Ion: 95 Resp: 202077
 Ion Ratio Lower Upper
 95 100
 174 72.2 0.0 140.8
 176 69.3 0.0 137.6

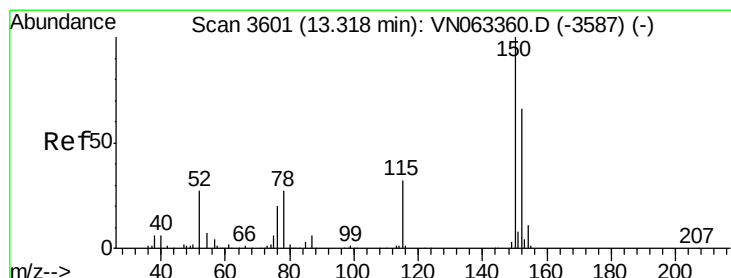
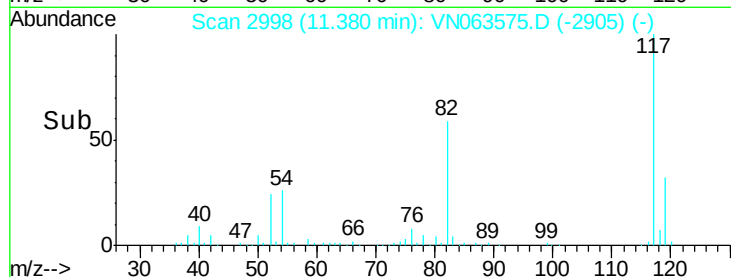
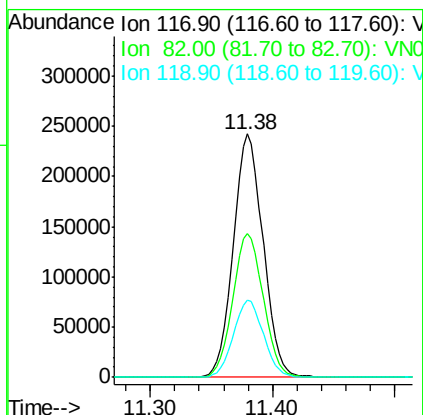
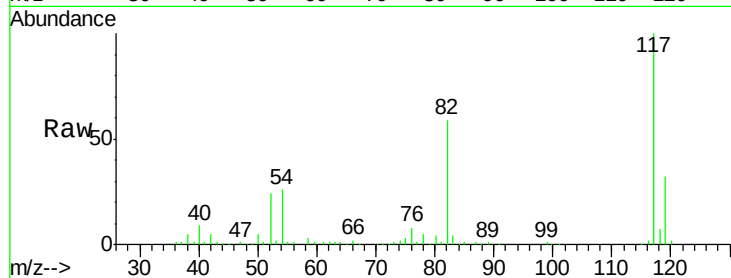




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2998
 Delta R.T. 0.00 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

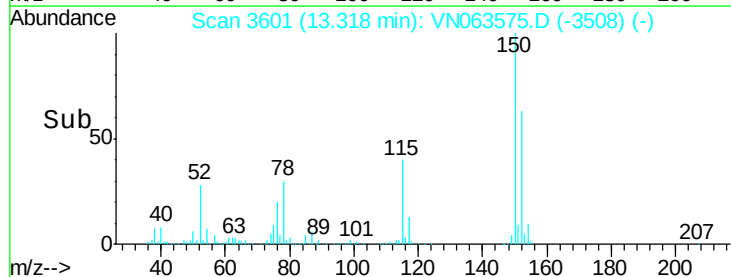
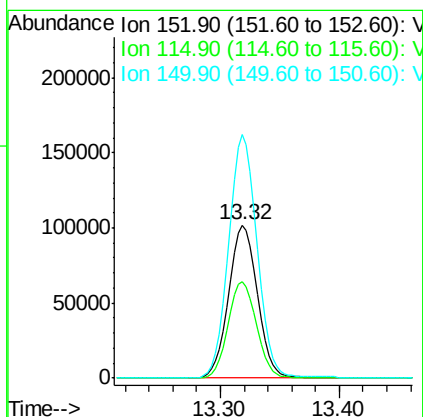
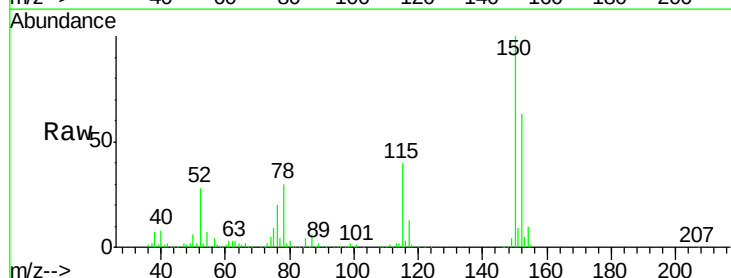
Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-092120-DP

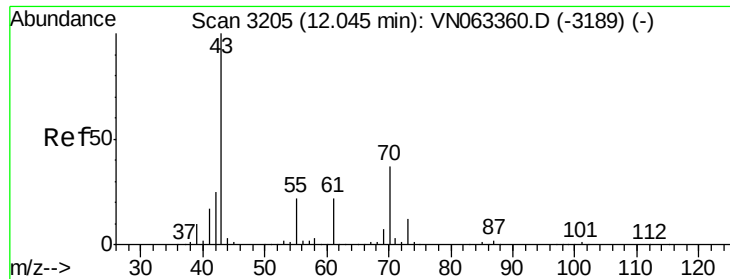
Tgt Ion:117 Resp: 411197
 Ion Ratio Lower Upper
 117 100
 82 59.2 49.2 73.8
 119 31.7 26.2 39.4



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN063575.D
 Acq: 23 Sep 2020 9:16

Tgt Ion:152 Resp: 171468
 Ion Ratio Lower Upper
 152 100
 115 62.2 32.2 96.6
 150 156.1 0.0 343.4





#74

N-amyI acetate

Concen: 0.414 ug/l

RT: 12.01 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN063575.D

Acq: 23 Sep 2020 9:16

Instrument :

MSVOA_N

ClientSampleId :

PAV-092120-DP

Tgt Ion: 43 Resp: 2691

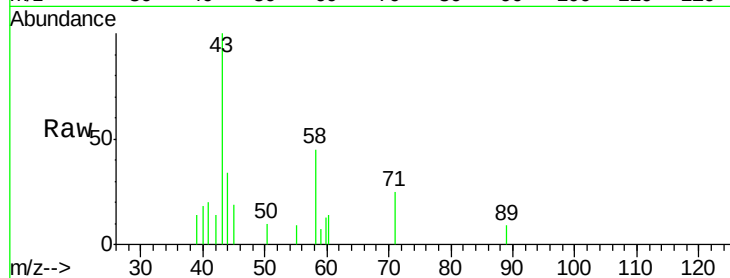
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 5.9 17.7 26.5#

61 0.0 17.4 26.2#

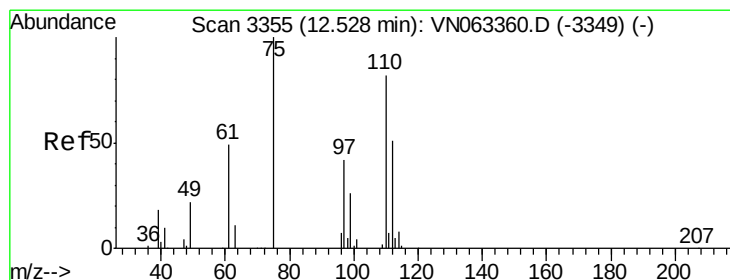
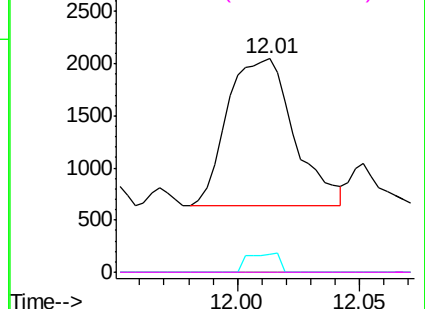
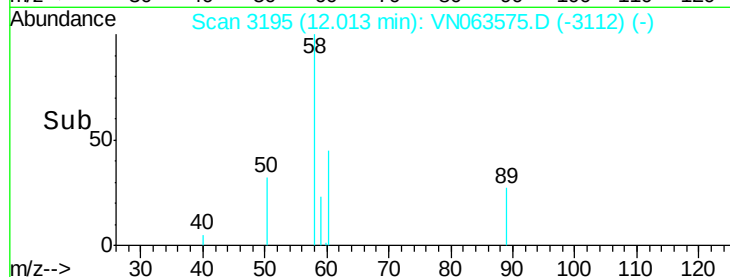


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.245 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063575.D

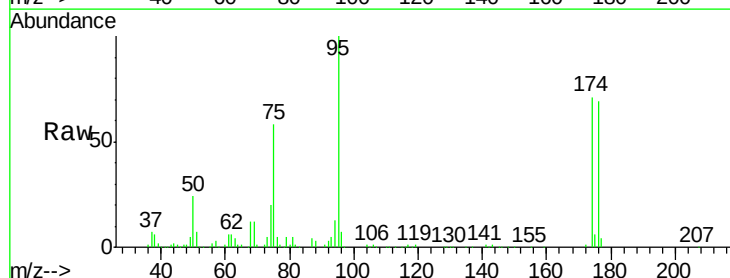
Acq: 23 Sep 2020 9:16

Tgt Ion: 75 Resp: 115630

Ion Ratio Lower Upper

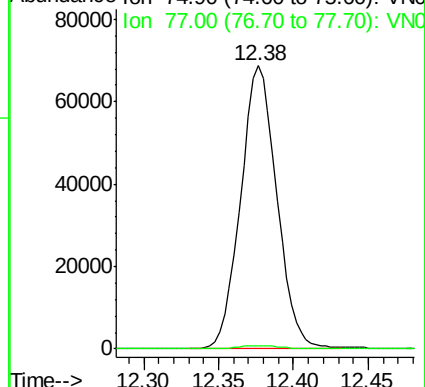
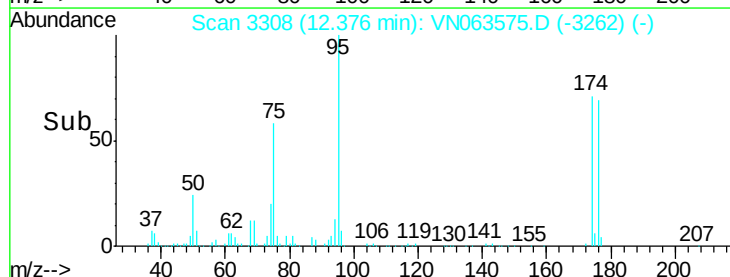
75 100

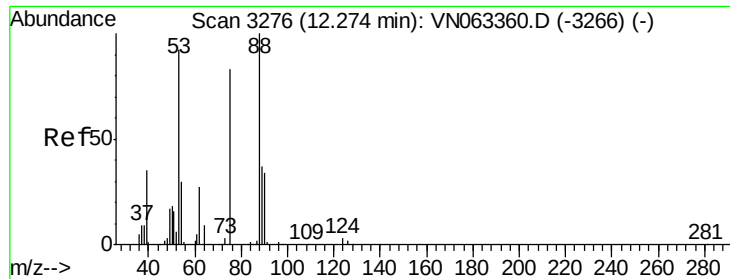
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 74.696 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063575.D

Acq: 23 Sep 2020 9:16

Instrument :

MSVOA_N

ClientSampleId :

PAV-092120-DP

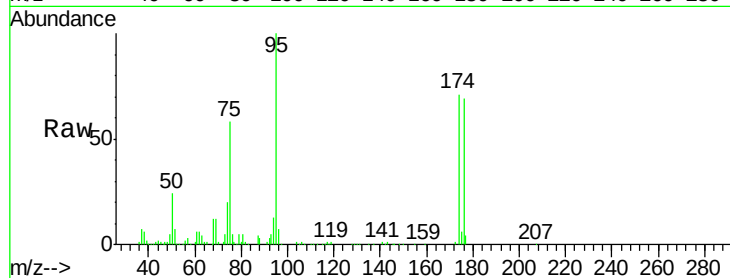
Tgt Ion: 75 Resp: 115630

Ion Ratio Lower Upper

75 100

53 0.2 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

