

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112520\
 Data File : VN064855.D
 Acq On : 25 Nov 2020 14:42
 Operator : JC/MD
 Sample : L4891-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-B3-112420-10.5-11.5

Quant Time: Nov 26 03:41:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	150418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	273453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	292172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	124928	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	94802	54.21	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	108.42%	
35) Dibromofluoromethane		7.55	113	87601	53.54	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.08%	
50) Toluene-d8		10.06	98	347901	52.04	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.08%	
62) 4-Bromofluorobenzene		12.38	95	134218	56.10	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	112.20%	

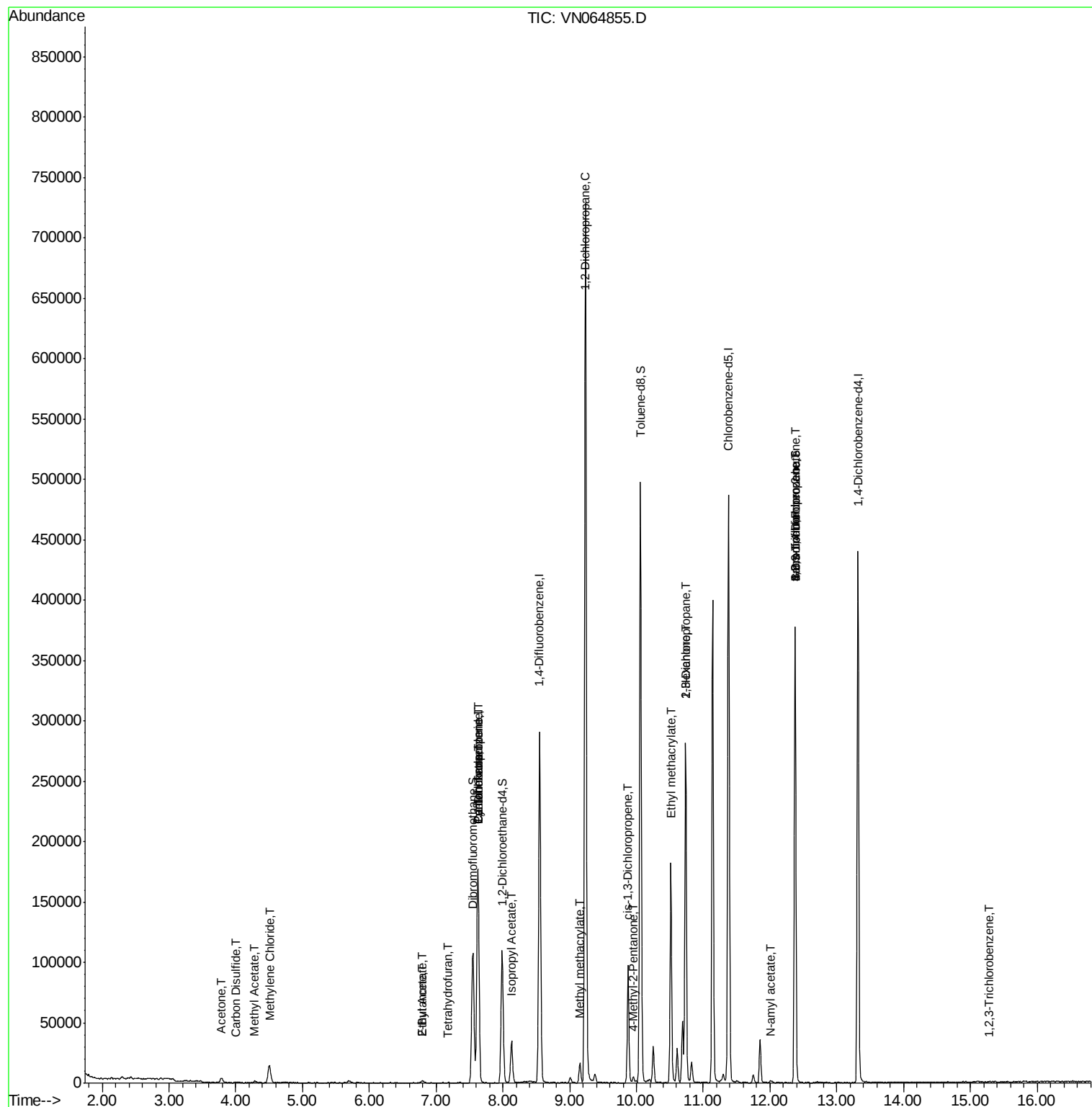
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	3355	5.836	ug/l	95
17) Carbon Disulfide	4.00	76	1121	0.303	ug/l #	75
18) Methyl Acetate	4.28	43	3071	1.777	ug/l #	70
20) Methylene Chloride	4.50	84	11418	6.339	ug/l	97
25) 2-Butanone	6.79	43	722	0.775	ug/l #	49
29) Tetrahydrofuran	7.17	42	397	0.617	ug/l #	32
31) Cyclohexane	7.62	56	2809	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10738	4.237	ug/l #	46
37) Ethyl Acetate	6.79	43	722	0.296	ug/l #	66
38) Carbon Tetrachloride	7.63	117	13874	5.261	ug/l #	16
43) Isopropyl Acetate	8.13	43	39512	10.057	ug/l	98
45) 1,2-Dichloropropane	9.23	63	807	0.401	ug/l #	43
48) Methyl methacrylate	9.15	41	2164	1.153	ug/l #	12
51) 4-Methyl-2-Pentanone	9.95	43	4183	1.774	ug/l	89
54) cis-1,3-Dichloropropene	9.87	75	17737	5.495	ug/l #	67
56) Ethyl methacrylate	10.52	69	1064	0.392	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	2829	0.872	ug/l #	42
59) 2-Hexanone	10.74	43	39460	23.247	ug/l #	52
71) Bromoform	12.38	173	992	0.539	ug/l #	1
74) N-amyl acetate	12.01	43	1969	0.576	ug/l #	43
76) 1,2,3-Trichloropropane	12.38	75	64707	24.051	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	64707	65.918	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.29	180	250	1.493	ug/l #	42

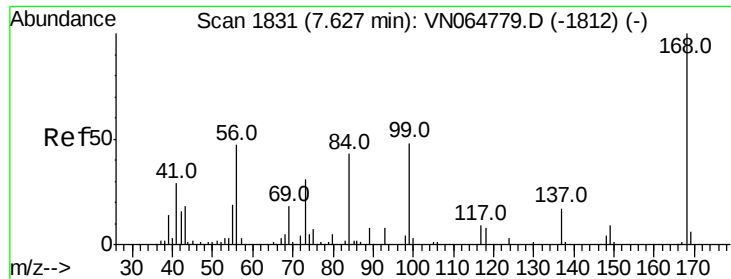
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112520\
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PAV-B3-112420-10.5-11.5

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Quant Title : SW846 8260
QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

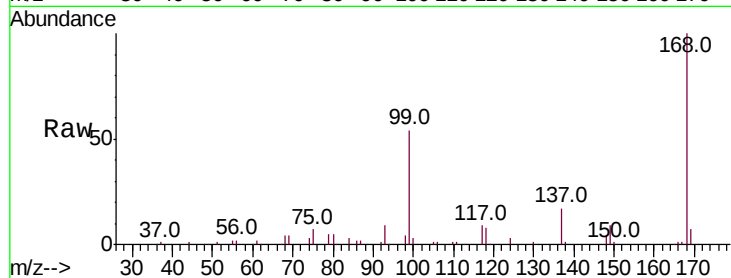
PAV-B3-112420-10.5-11.5

Tot Ion:168 Resp: 150418

Ion Ratio Lower Upper

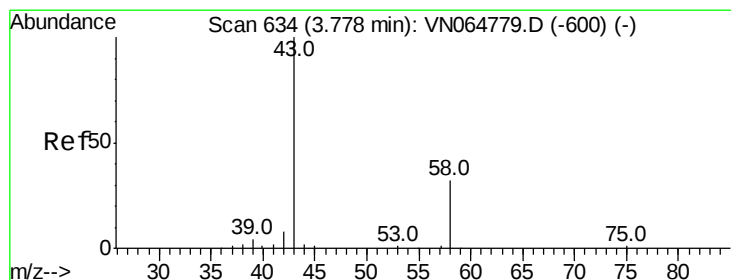
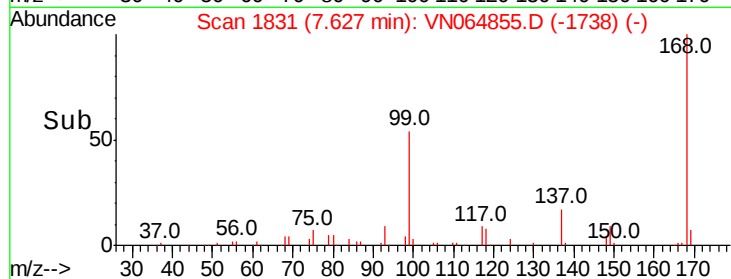
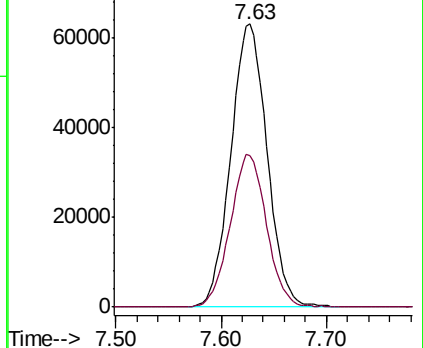
168 100

99 53.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 5.836 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064855.D

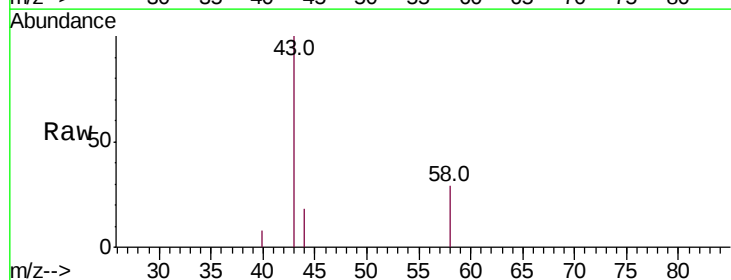
Acq: 25 Nov 2020 14:42

Tgt Ion: 43 Resp: 3355

Ion Ratio Lower Upper

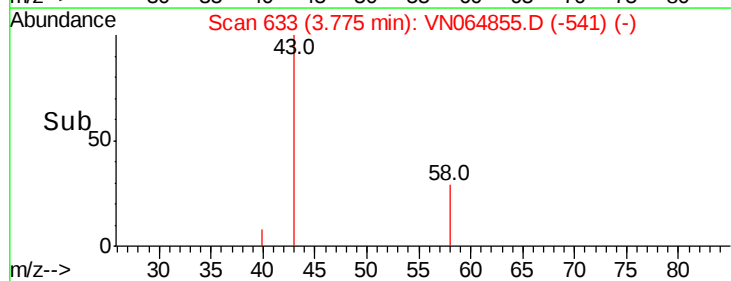
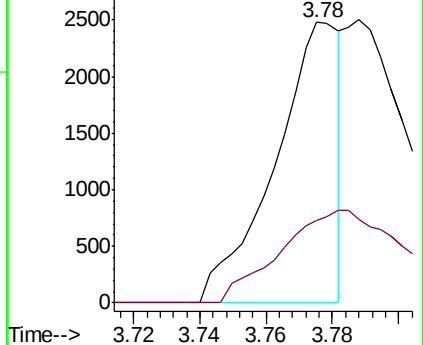
43 100

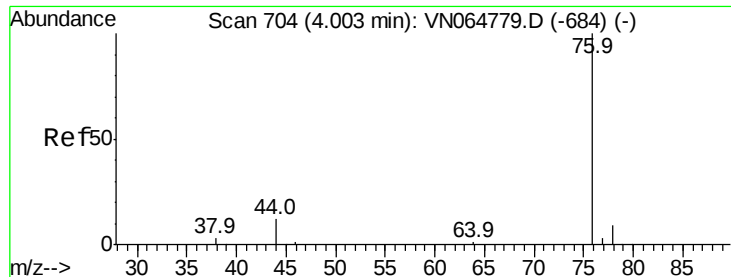
58 29.5 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

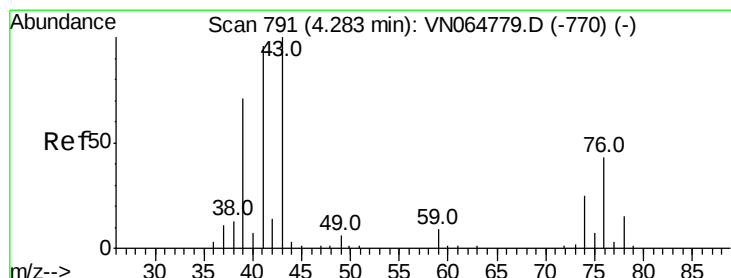
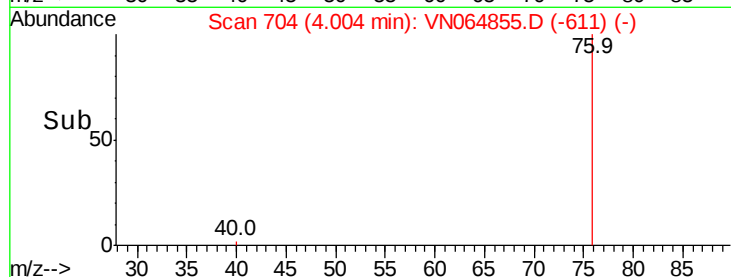
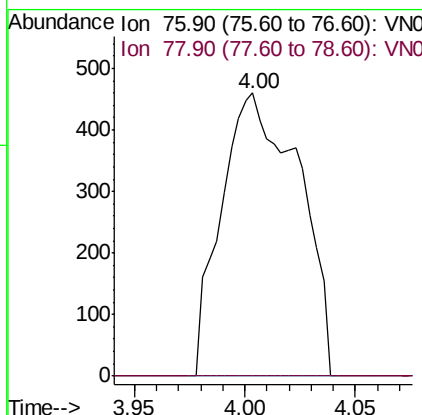
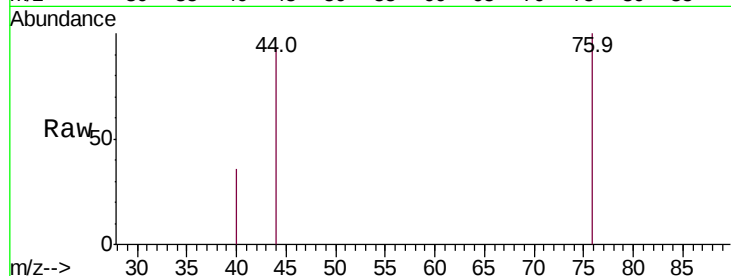




#17
Carbon Disulfide
Concen: 0.303 ug/l
RT: 4.00 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

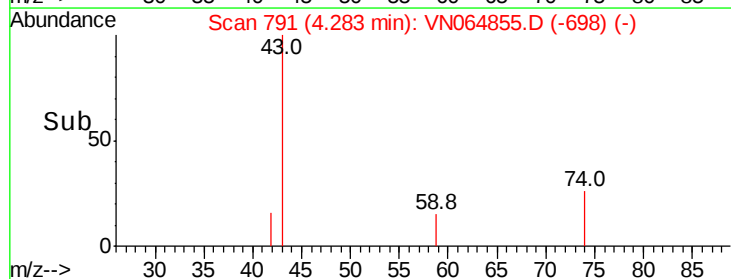
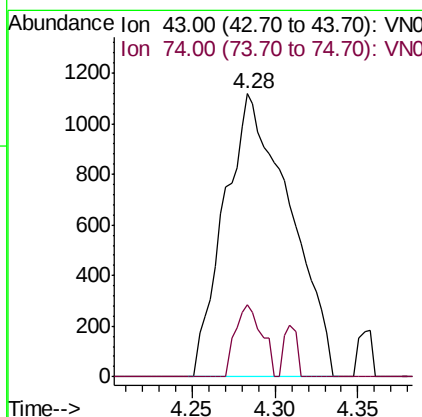
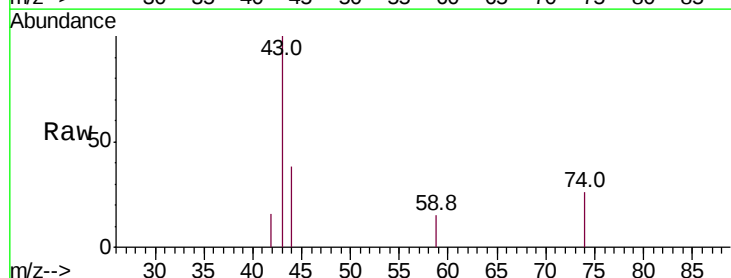
Instrument :
MSVOA_N
ClientSampleId :
PAV-B3-112420-10.5-11.5

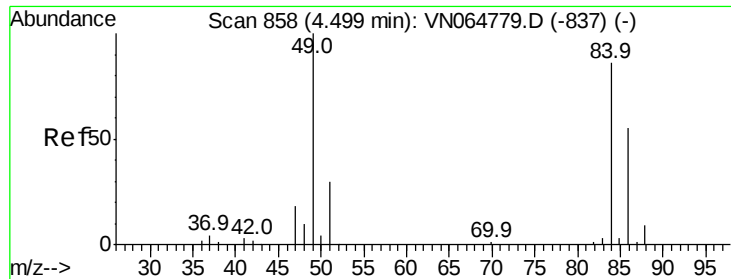
Tot Ion: 76 Resp: 1121
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 1.777 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

Tgt Ion: 43 Resp: 3071
Ion Ratio Lower Upper
43 100
74 10.3 20.2 30.2#

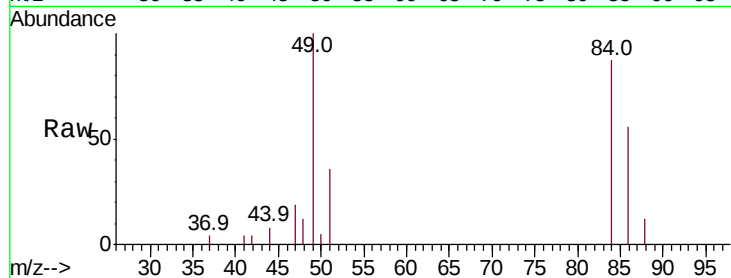




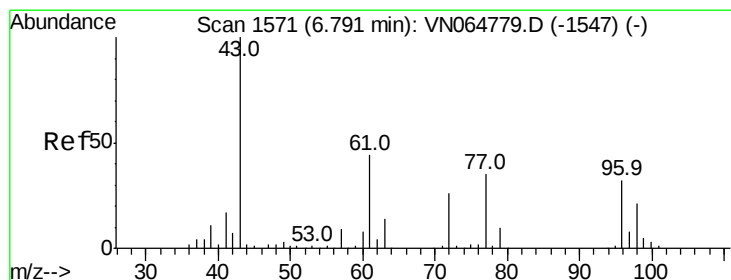
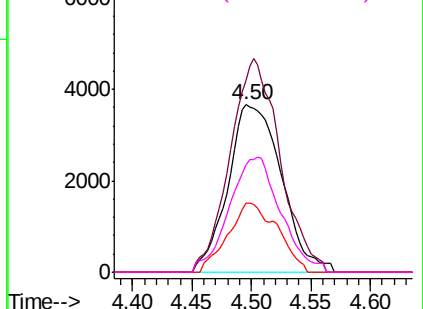
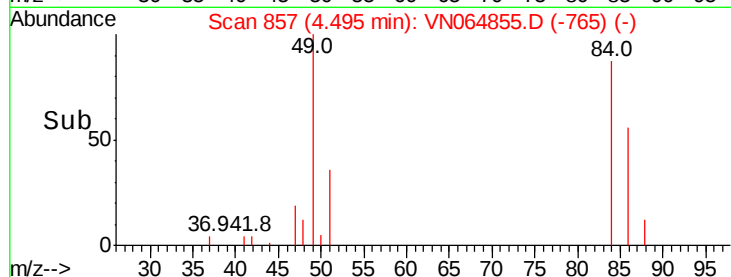
#20
Methvlene Chloride
Concen: 6.339 ug/l
RT: 4.50 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

Instrument :
MSVOA_N
ClientSampleId :
PAV-B3-112420-10.5-11.5

Tot Ion: 84 Resp: 11418
Ion Ratio Lower Upper
84 100
49 114.9 93.4 140.0
51 41.1 28.2 42.4
86 64.4 51.7 77.5

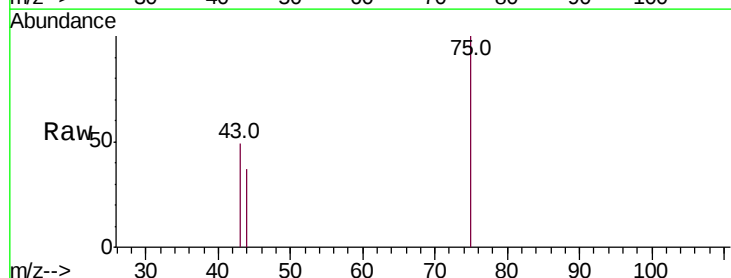


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

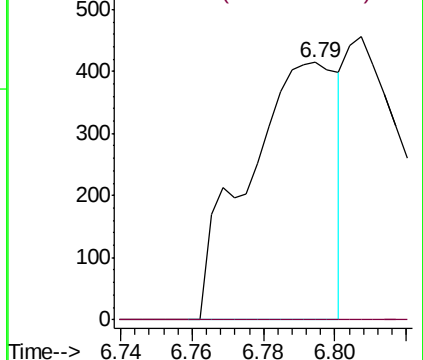
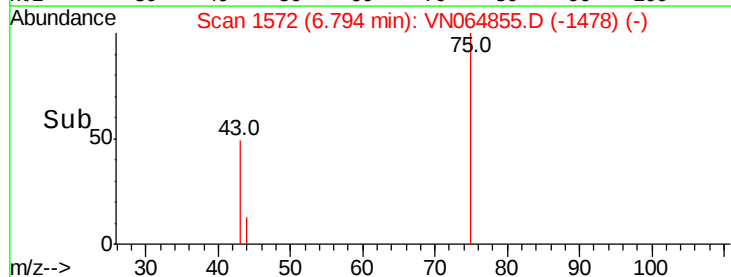


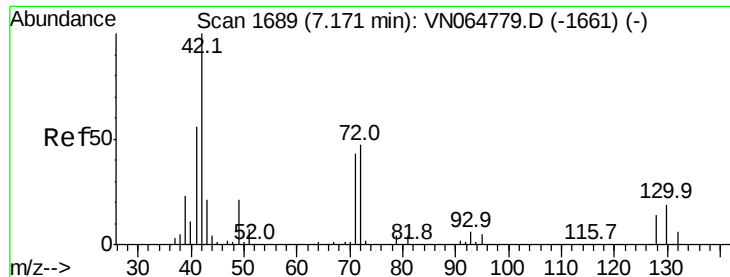
#25
2-Butanone
Concen: 0.775 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#29

Tetrahydrofuran

Concen: 0.617 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

PAV-B3-112420-10.5-11.5

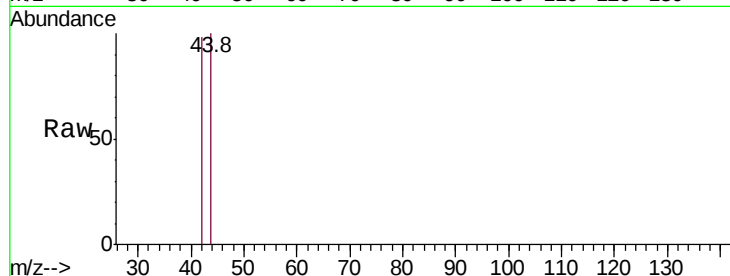
Tot Ion: 42 Resp: 397

Ion Ratio Lower Upper

42 100

72 0.0 36.6 54.8#

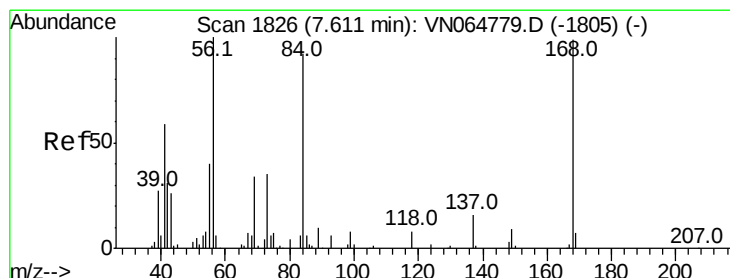
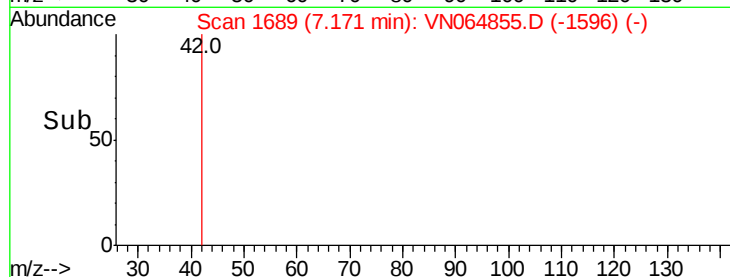
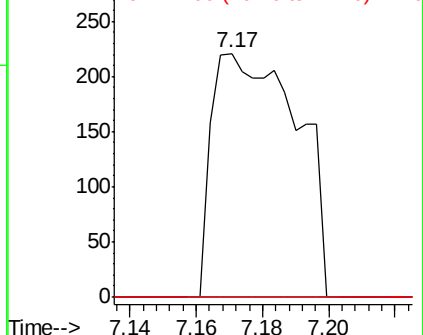
71 0.0 33.6 50.4#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

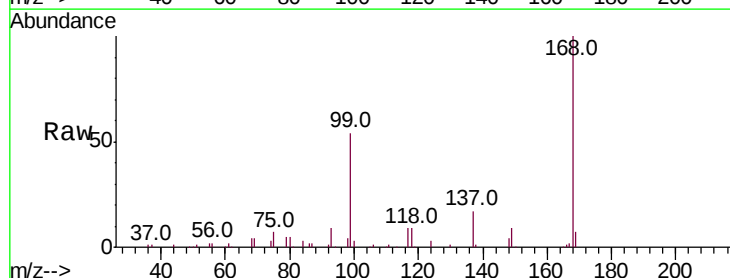
Tgt Ion: 56 Resp: 2809

Ion Ratio Lower Upper

56 100

69 193.4 27.5 41.3#

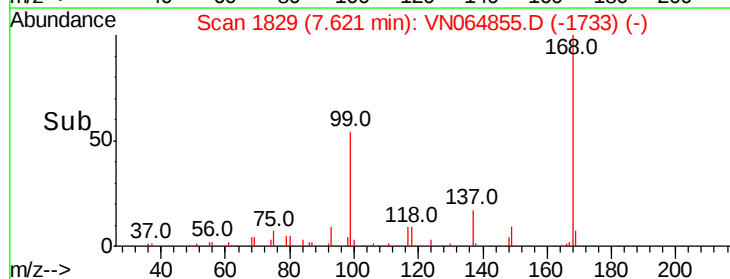
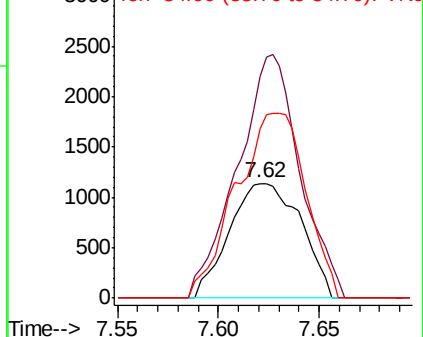
84 147.6 73.9 110.9#

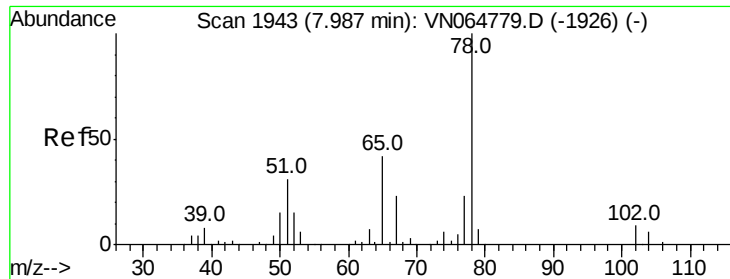


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

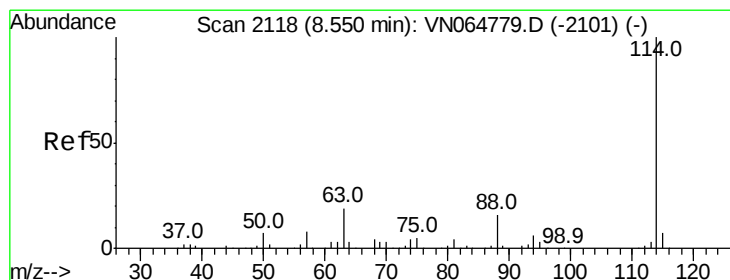
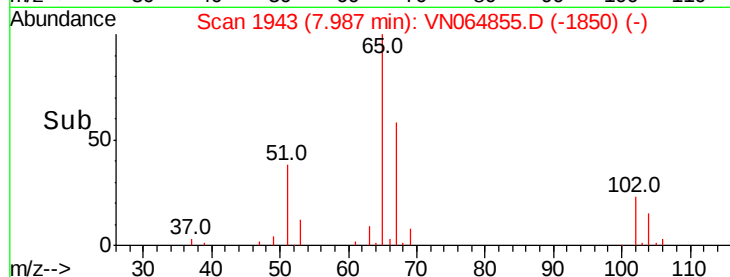
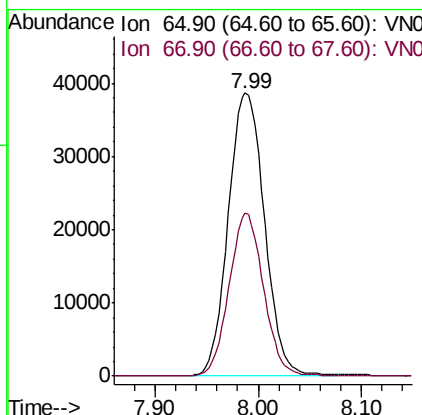
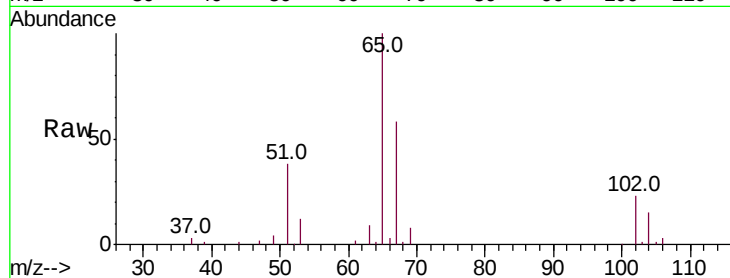




#33
 1,2-Dichloroethane-d4
 Concen: 54.213 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064855.D
 Acq: 25 Nov 2020 14:42

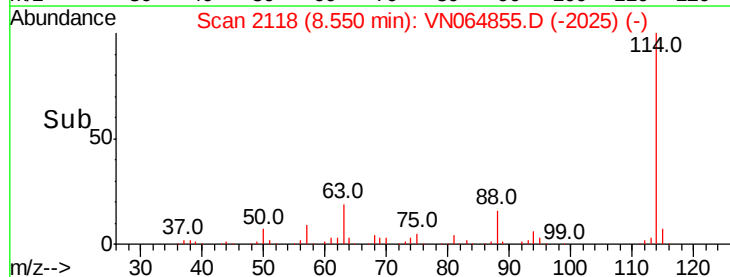
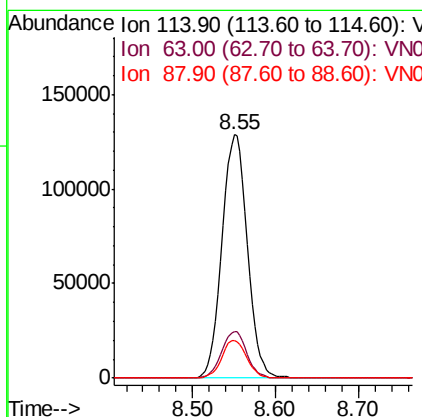
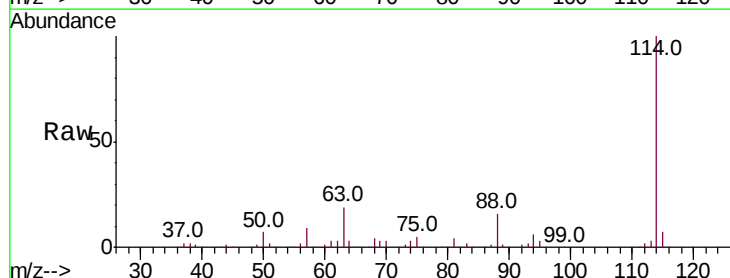
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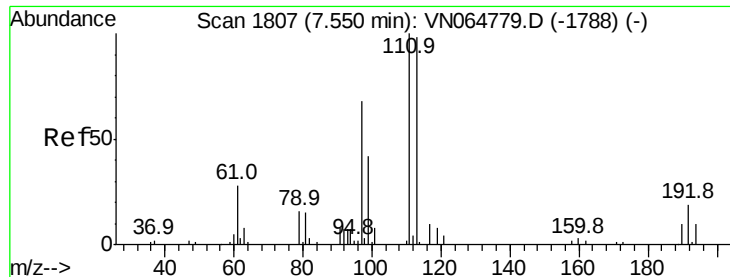
Tot Ion: 65 Resp: 94802
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064855.D
 Acq: 25 Nov 2020 14:42

Tgt Ion: 114 Resp: 273453
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.6 0.0 32.6

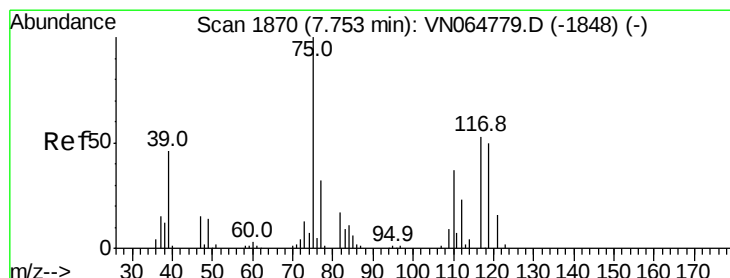
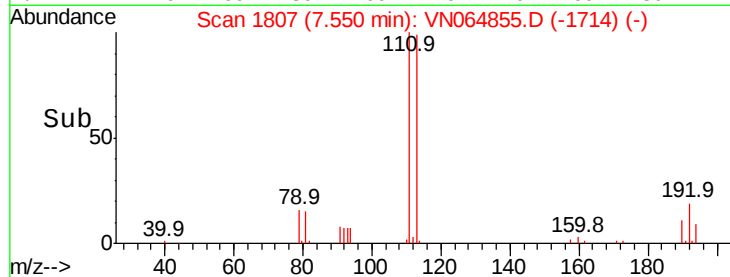
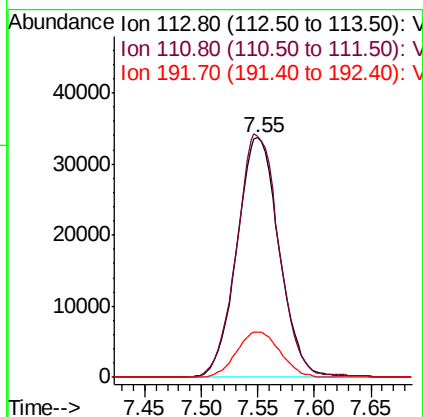
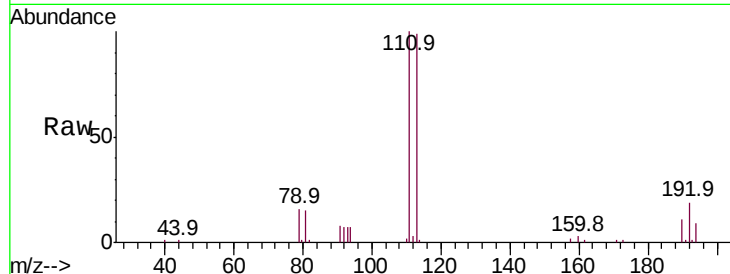




#35
 Dibromofluoromethane
 Concen: 53.538 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064855.D
 Acq: 25 Nov 2020 14:42

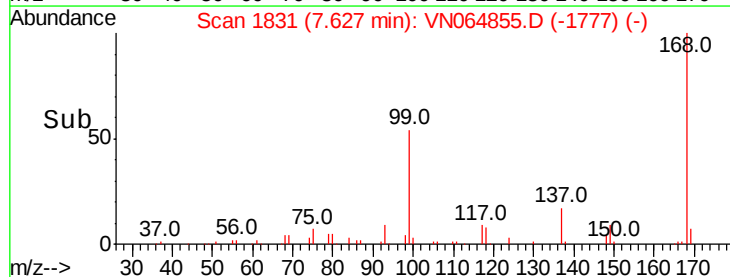
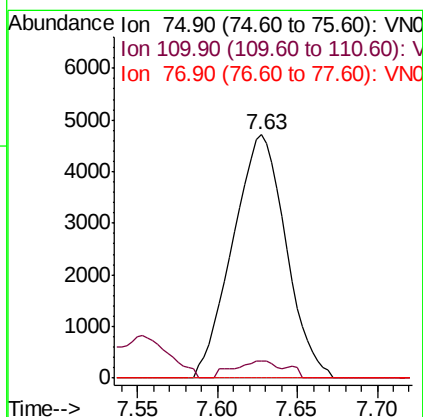
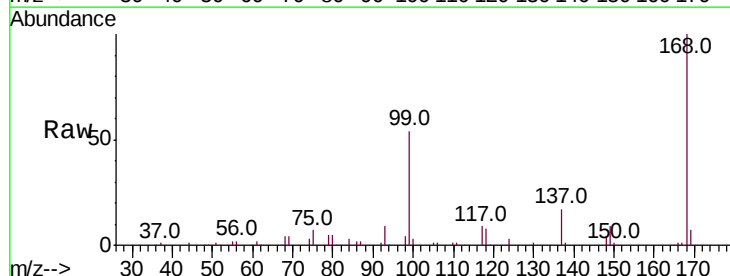
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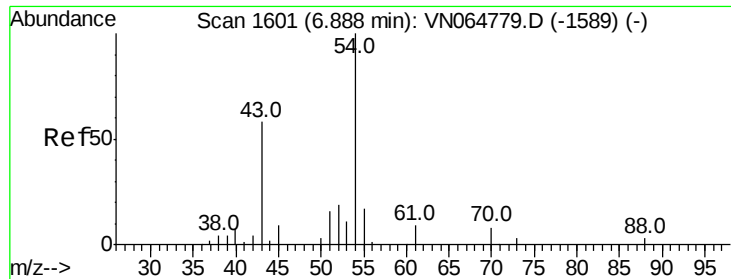
Tot Ion:113 Resp: 87601
 Ion Ratio Lower Upper
 113 100
 111 101.6 81.6 122.4
 192 19.5 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.237 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064855.D
 Acq: 25 Nov 2020 14:42

Tgt Ion: 75 Resp: 10738
 Ion Ratio Lower Upper
 75 100
 110 5.7 17.8 53.3#
 77 0.0 25.0 37.4#

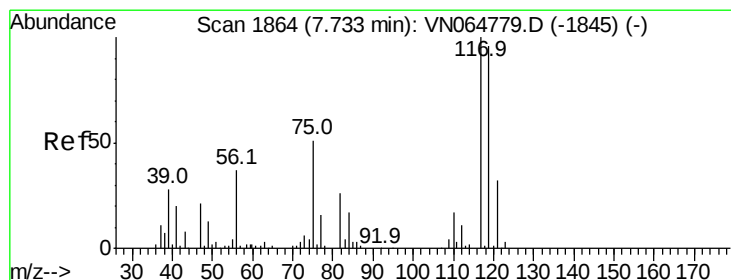
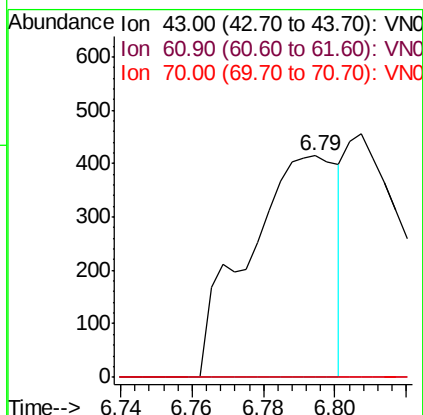
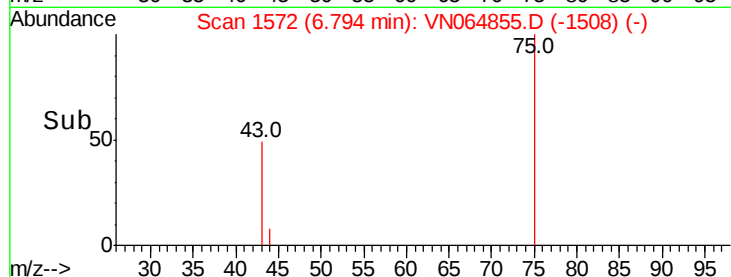
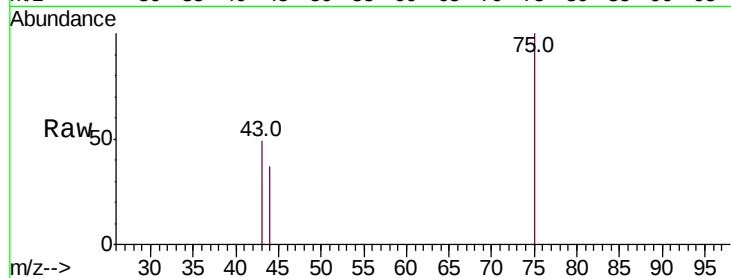




#37
Ethyl Acetate
Concen: 0.296 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. -0.09 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

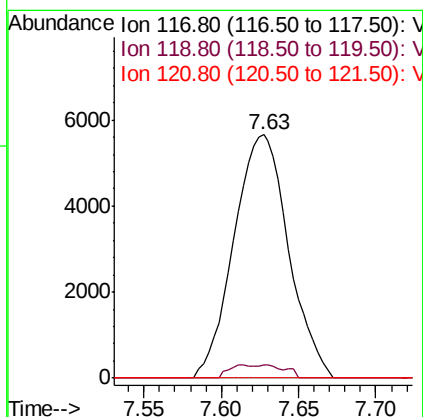
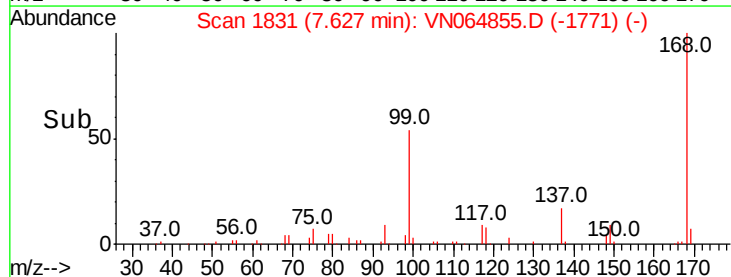
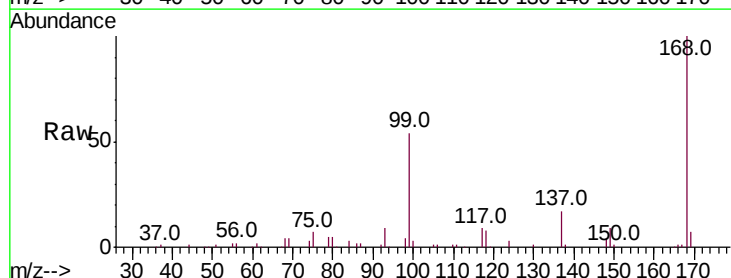
Instrument :
MSVOA_N
ClientSampleId :
PAV-B3-112420-10.5-11.5

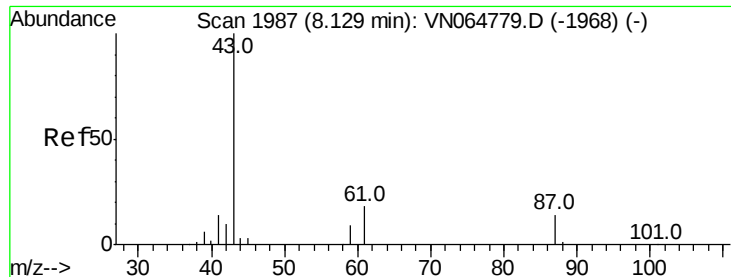
Tot Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.261 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

Tgt Ion: 117 Resp: 13874
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 25.4 38.2#





#43

Isopropyl Acetate

Concen: 10.057 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

PAV-B3-112420-10.5-11.5

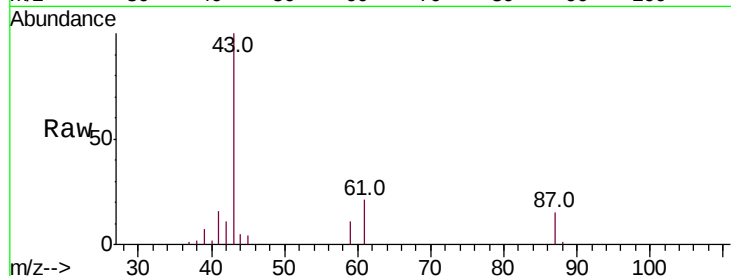
Tot Ion: 43 Resp: 39512

Ion Ratio Lower Upper

43 100

61 20.9 17.2 25.8

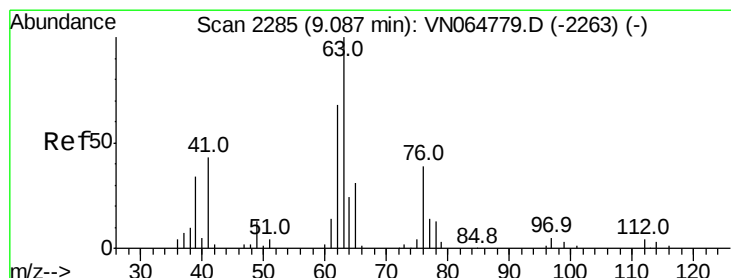
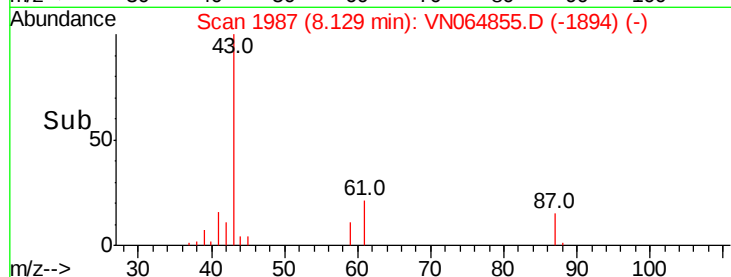
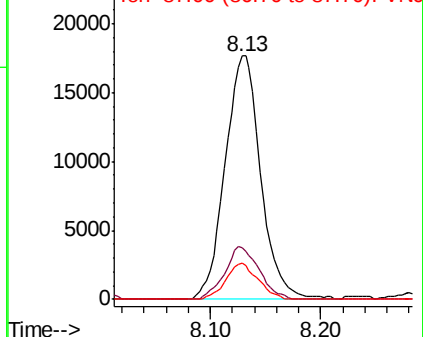
87 13.3 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 0.401 ug/l

RT: 9.23 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN064855.D

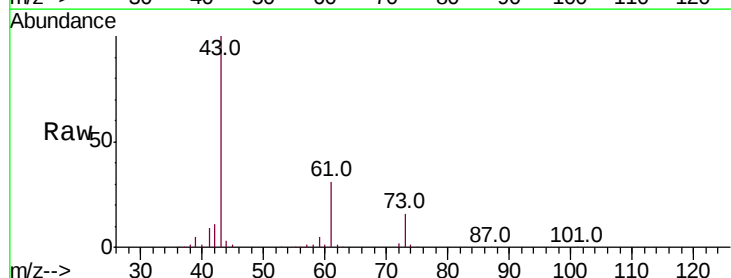
Acq: 25 Nov 2020 14:42

Tgt Ion: 63 Resp: 807

Ion Ratio Lower Upper

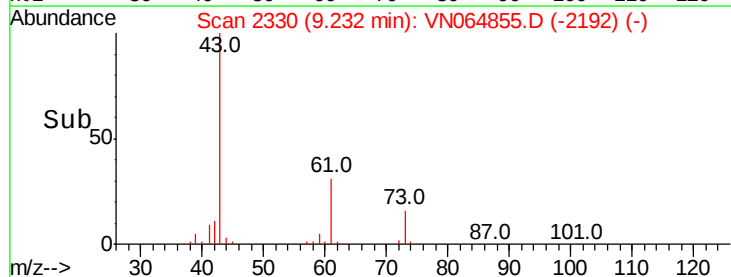
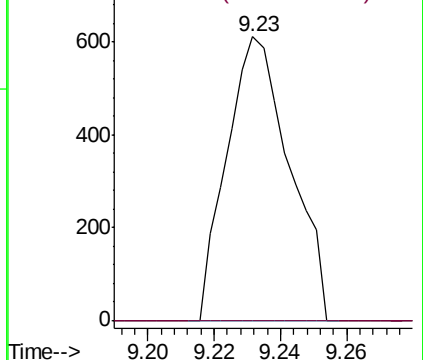
63 100

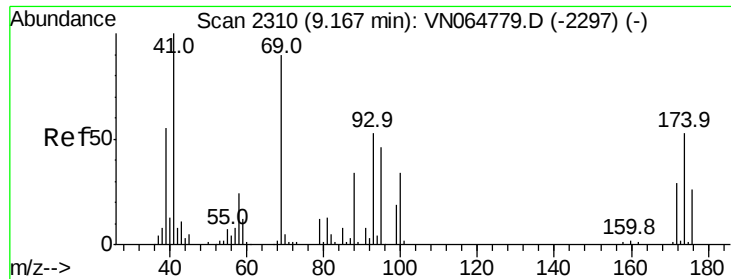
65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

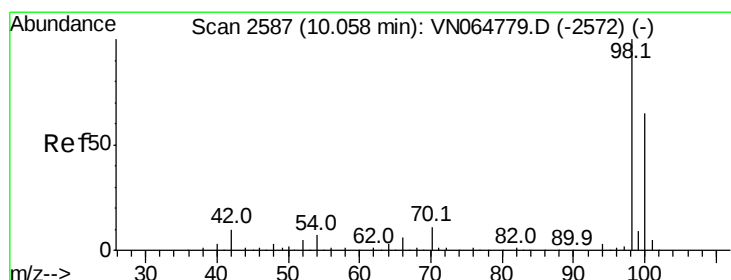
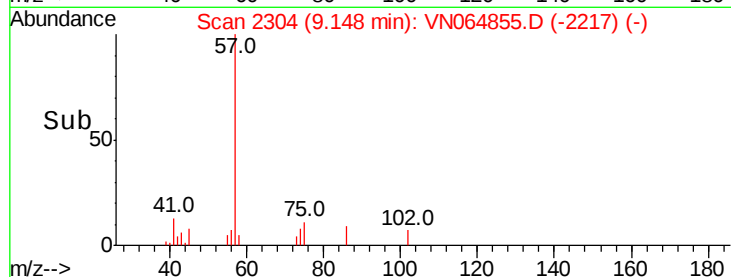
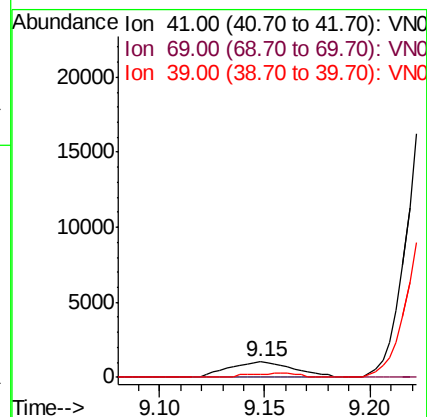
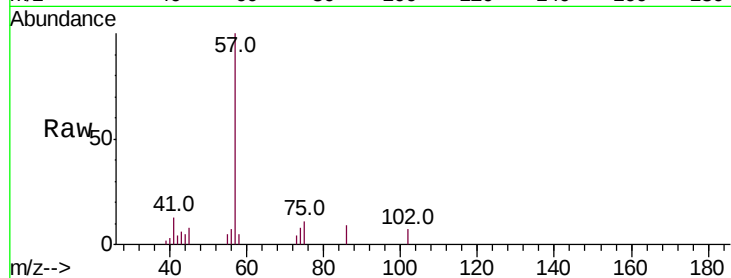




#48
Methvl methacrylate
Concen: 1.153 ug/l
RT: 9.15 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

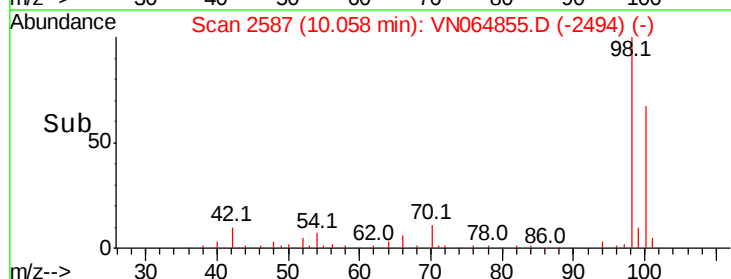
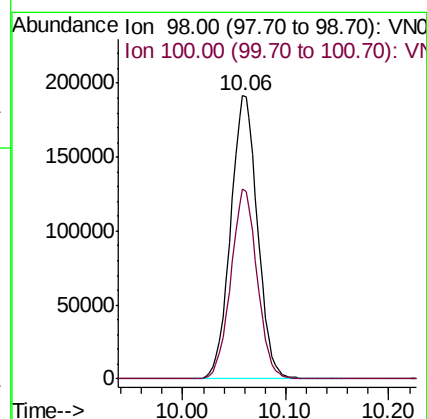
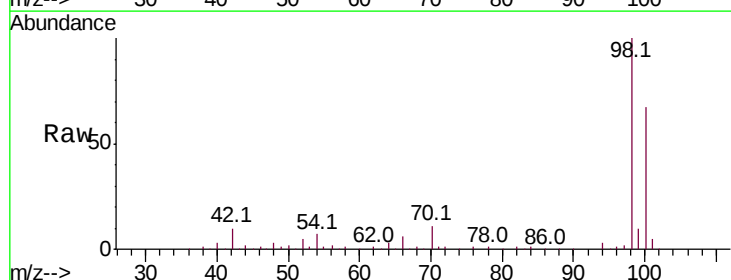
Instrument :
MSVOA_N
ClientSampleId :
PAV-B3-112420-10.5-11.5

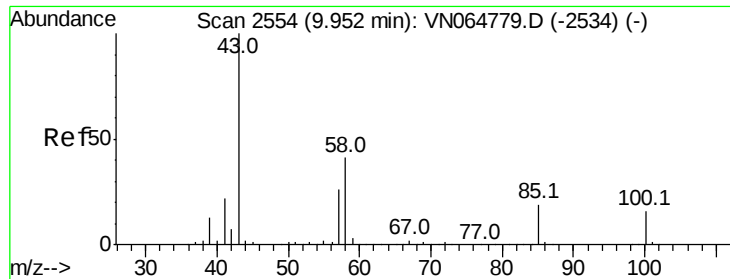
Tot Ion: 41 Resp: 2164
Ion Ratio Lower Upper
41 100
69 0.0 71.8 107.8#
39 0.0 44.1 66.1#



#50
Toluene-d8
Concen: 52.037 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

Tgt Ion: 98 Resp: 347901
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.774 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

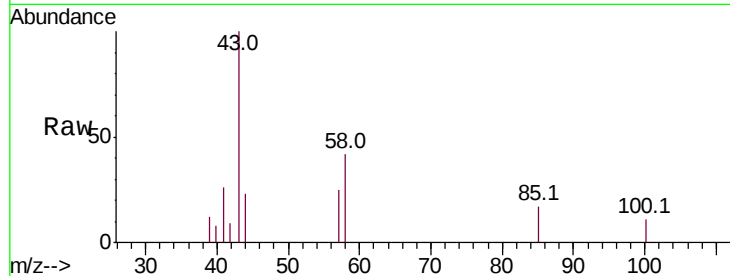
PAV-B3-112420-10.5-11.5

Tot Ion: 43 Resp: 4183

Ion Ratio Lower Upper

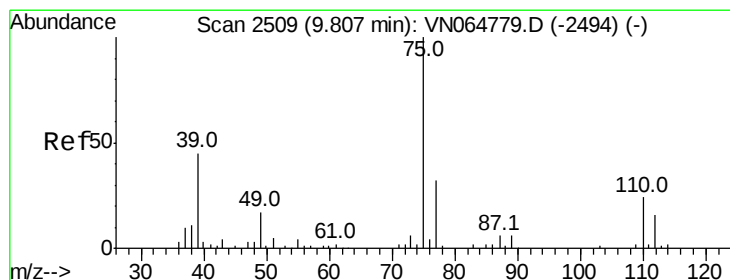
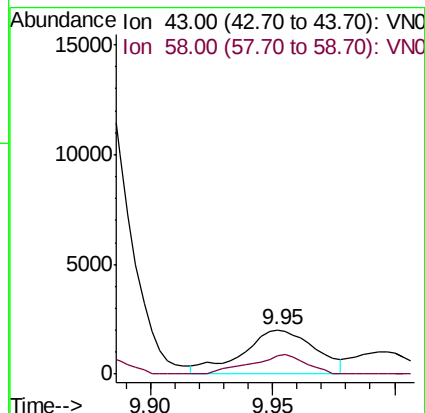
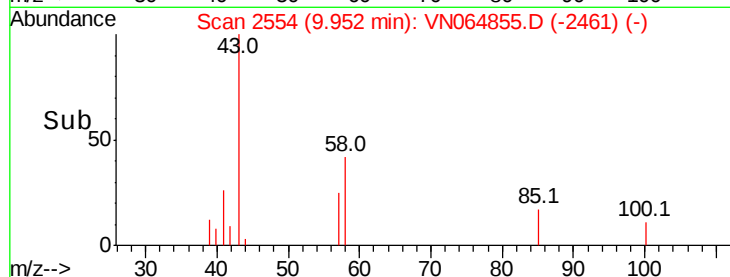
43 100

58 33.8 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.495 ug/l

RT: 9.87 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

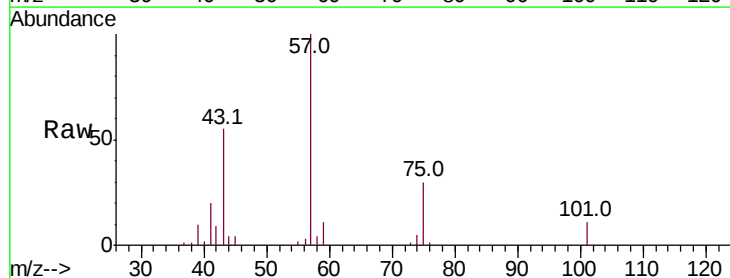
Tgt Ion: 75 Resp: 17737

Ion Ratio Lower Upper

75 100

77 0.0 25.5 38.3#

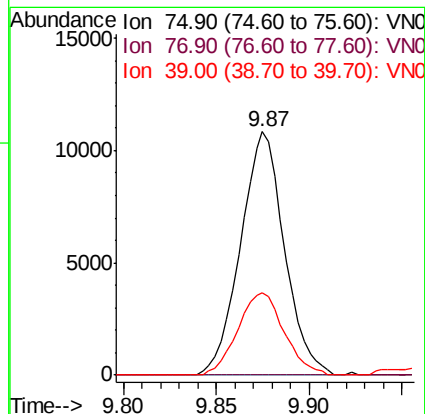
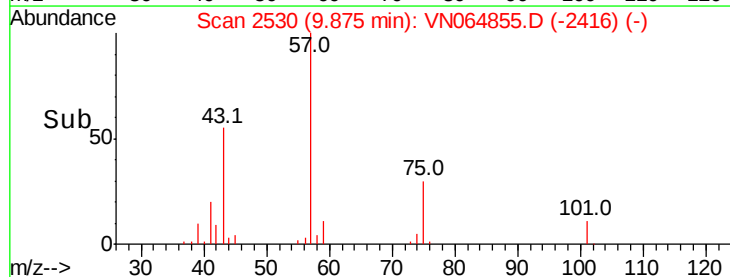
39 33.8 35.6 53.4#

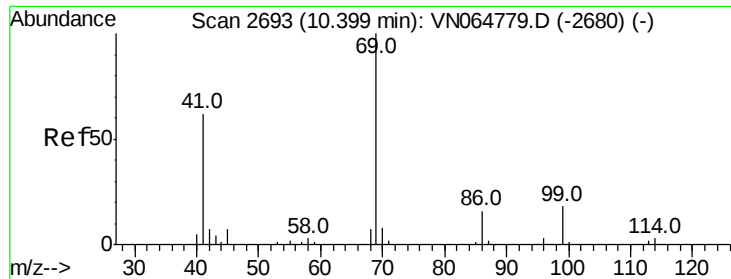


Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-2494) (-)

Ion 76.90 (76.60 to 77.60): VN064779.D (-2494) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-2494) (-)





#56

Ethyl methacrylate

Concen: 0.392 ug/l

RT: 10.52 min Scan# 2730

Delta R.T. 0.12 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

PAV-B3-112420-10.5-11.5

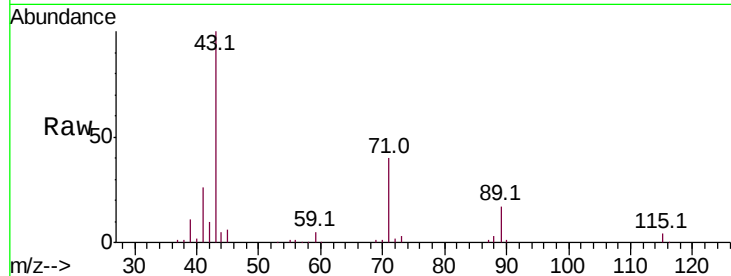
Tot Ion: 69 Resp: 1064

Ion Ratio Lower Upper

69 100

41 3111.7 49.4 74.0#

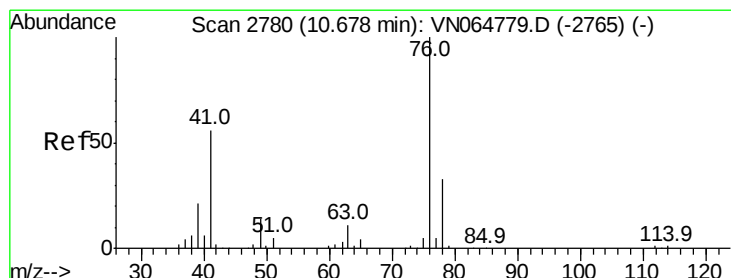
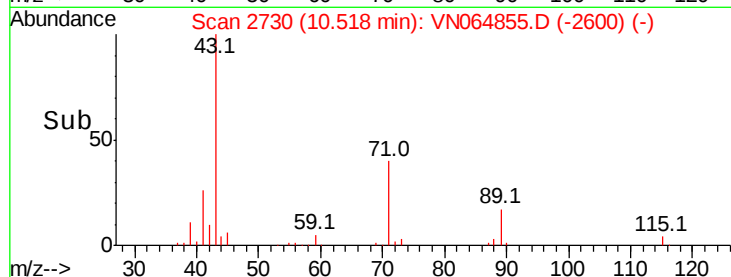
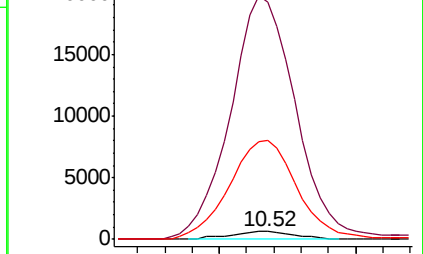
39 1303.6 25.9 38.9#



Abundance Ion 69.00 (68.70 to 69.70): VN064779.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN064779.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN064779.D (-2680) (-)



#57

1,3-Dichloropropane

Concen: 0.872 ug/l

RT: 10.73 min Scan# 2797

Delta R.T. 0.05 min

Lab File: VN064855.D

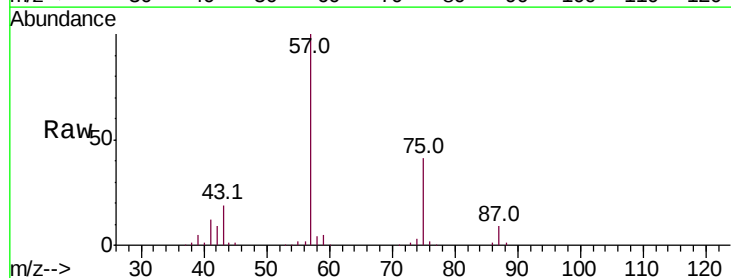
Acq: 25 Nov 2020 14:42

Tgt Ion: 76 Resp: 2829

Ion Ratio Lower Upper

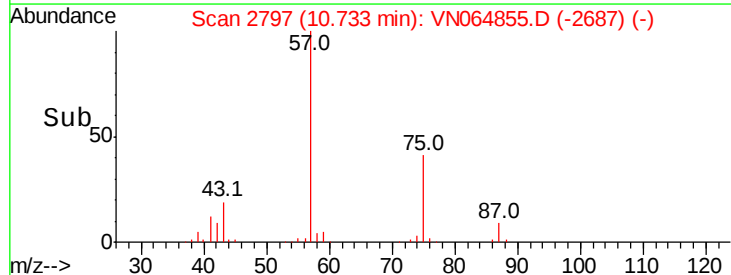
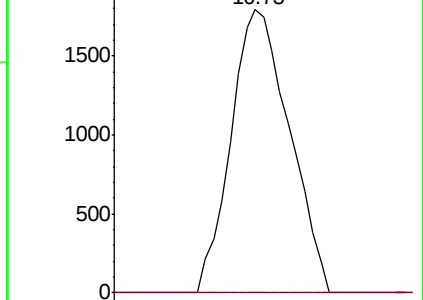
76 100

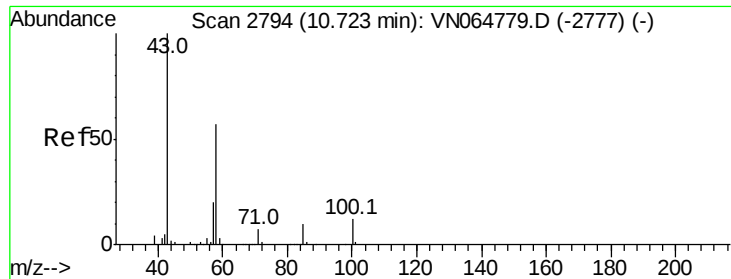
78 0.0 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VN064779.D (-2765) (-)

Ion 77.90 (77.60 to 78.60): VN064779.D (-2765) (-)





#59

2-Hexanone

Concen: 23.247 ug/l

RT: 10.74 min Scan# 2798

Delta R.T. 0.01 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

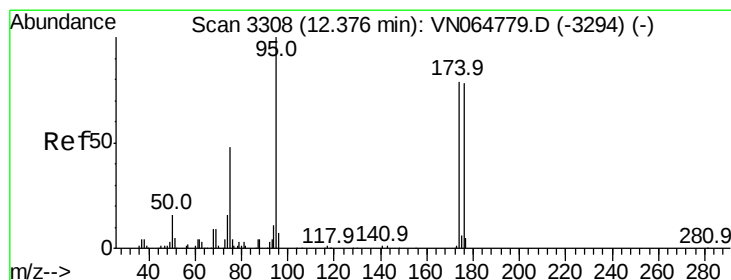
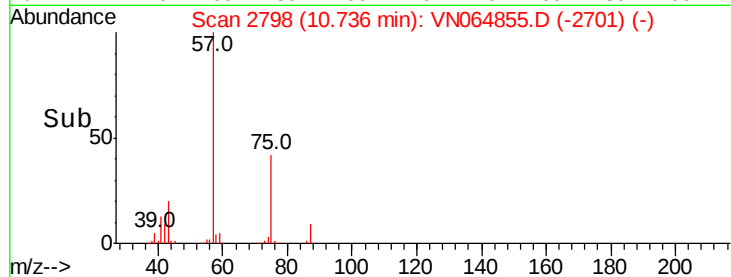
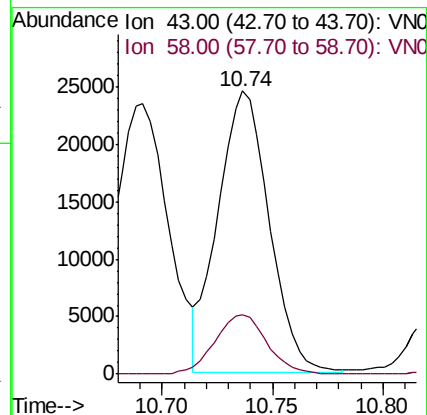
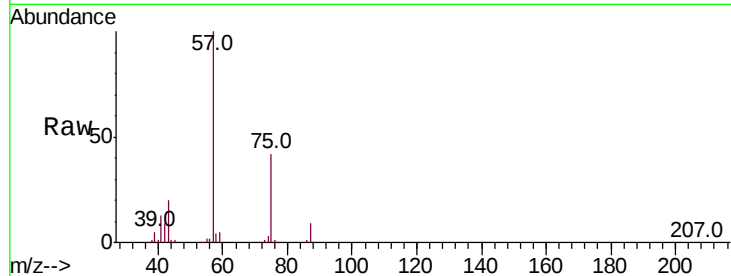
PAV-B3-112420-10.5-11.5

Tot Ion: 43 Resp: 39460

Ion Ratio Lower Upper

43 100

58 21.5 28.3 84.9#



#62

4-Bromofluorobenzene

Concen: 56.096 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

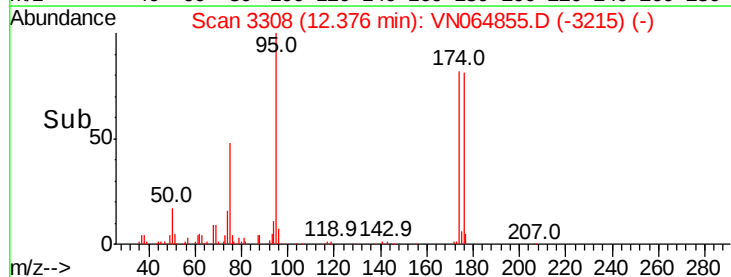
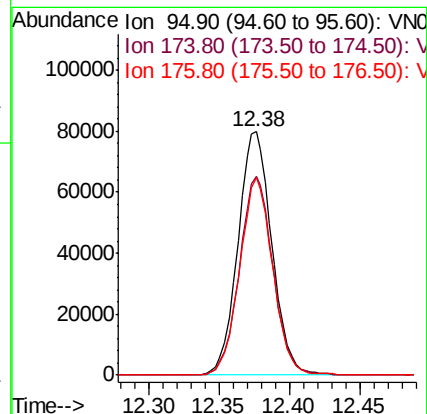
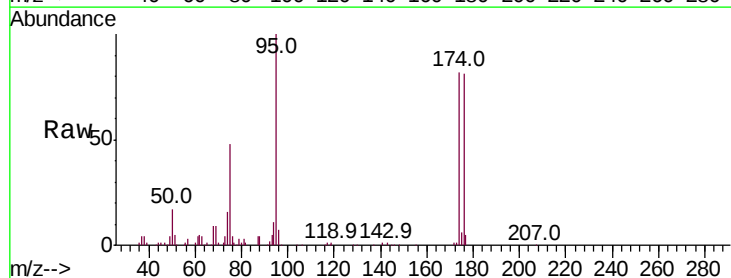
Tgt Ion: 95 Resp: 134218

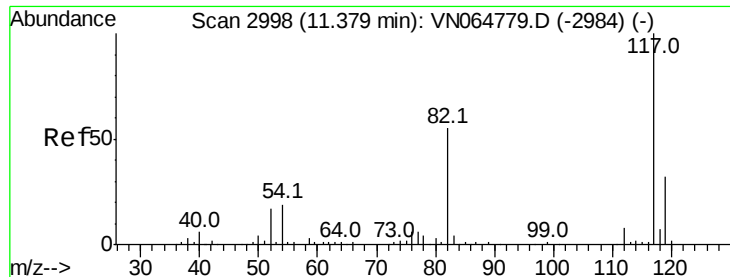
Ion Ratio Lower Upper

95 100

174 80.9 0.0 160.4

176 79.3 0.0 158.4

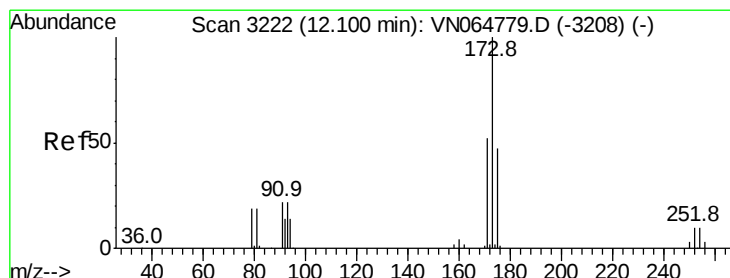
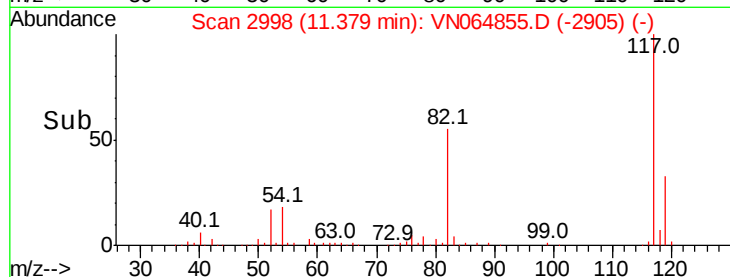
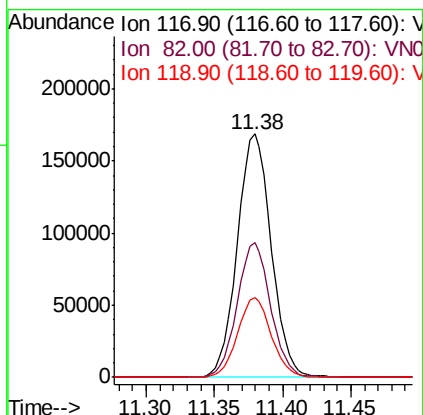
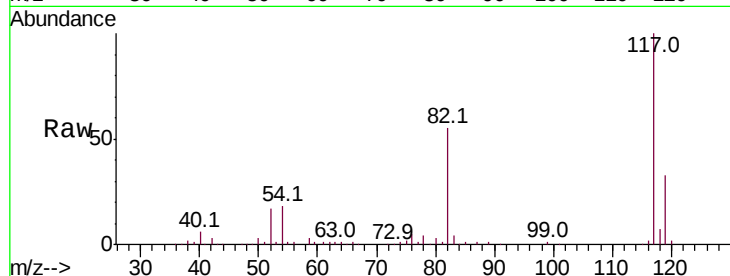




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

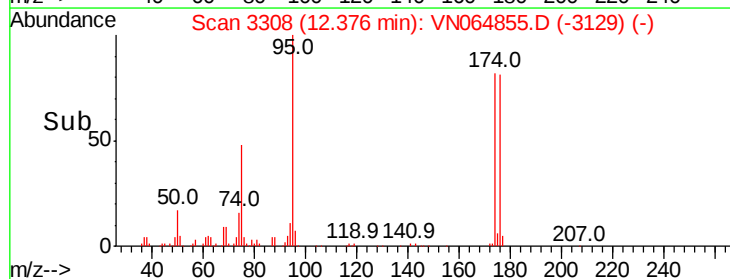
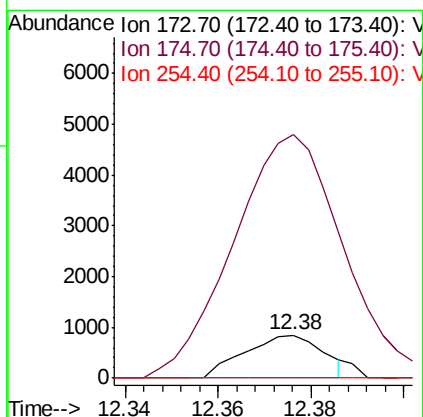
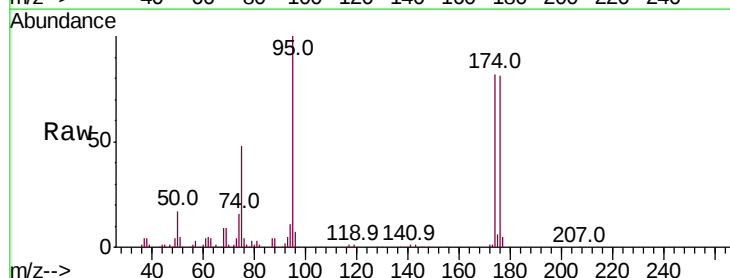
Instrument :
MSVOA_N
ClientSampleId :
PAV-B3-112420-10.5-11.5

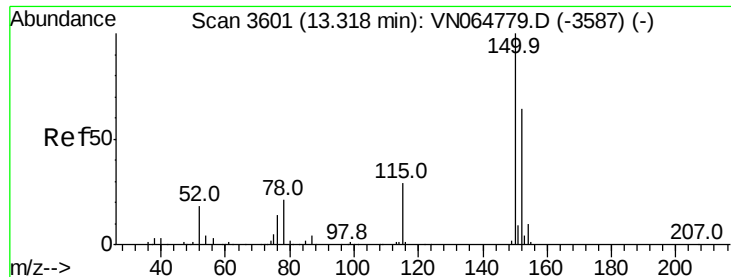
Tot Ion:117 Resp: 292172
Ion Ratio Lower Upper
117 100
82 55.1 44.2 66.2
119 32.9 25.8 38.6



#71
Bromoform
Concen: 0.539 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064855.D
Acq: 25 Nov 2020 14:42

Tgt Ion:173 Resp: 992
Ion Ratio Lower Upper
173 100
175 690.7 24.3 72.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

PAV-B3-112420-10.5-11.5

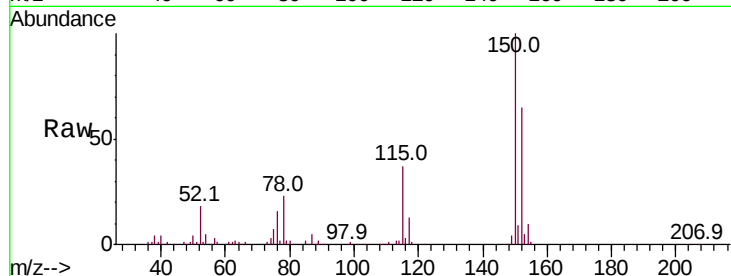
Tot Ion:152 Resp: 124928

Ion Ratio Lower Upper

152 100

115 59.2 29.7 89.1

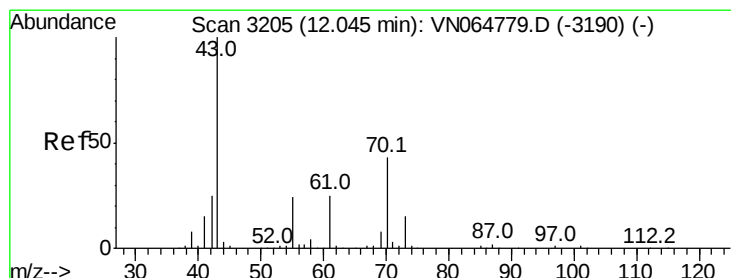
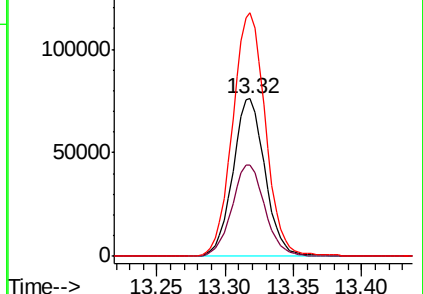
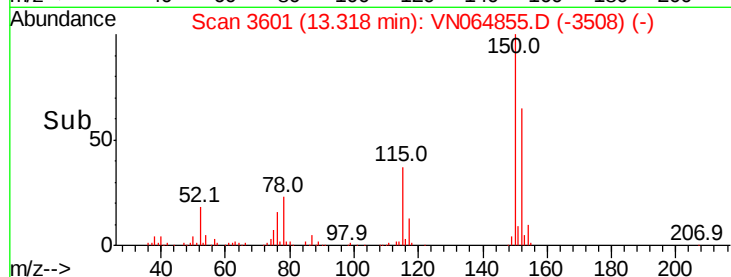
150 157.0 0.0 350.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.576 ug/l

RT: 12.01 min Scan# 3193

Delta R.T. -0.04 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

Tgt Ion: 43 Resp: 1969

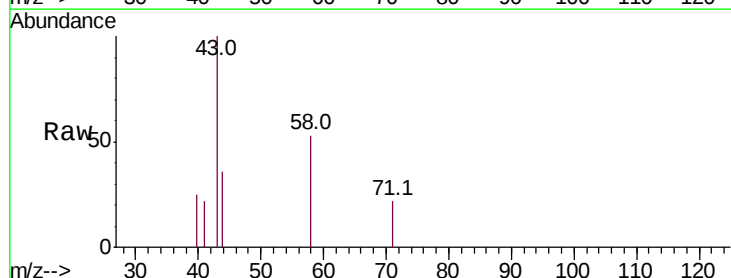
Ion Ratio Lower Upper

43 100

70 0.0 34.5 51.7#

55 1.5 20.4 30.6#

61 0.0 20.0 30.0#

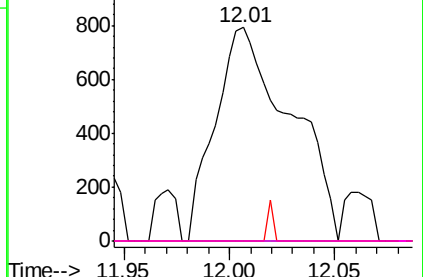
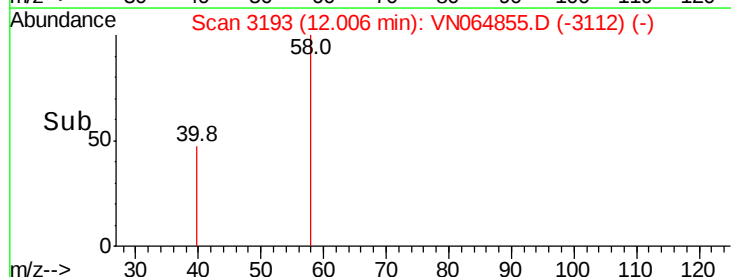


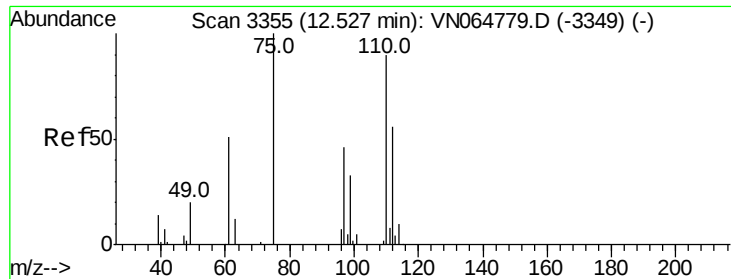
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 24.051 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

Instrument :

MSVOA_N

ClientSampleId :

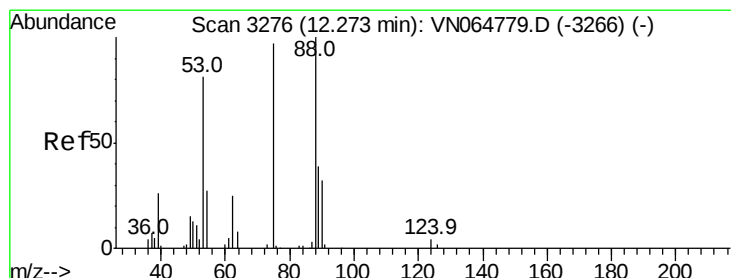
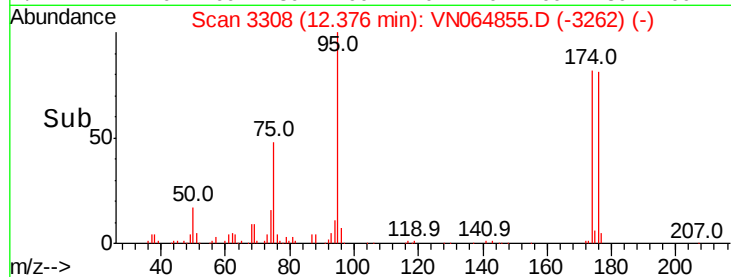
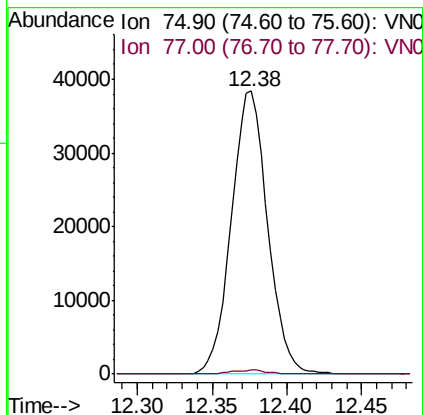
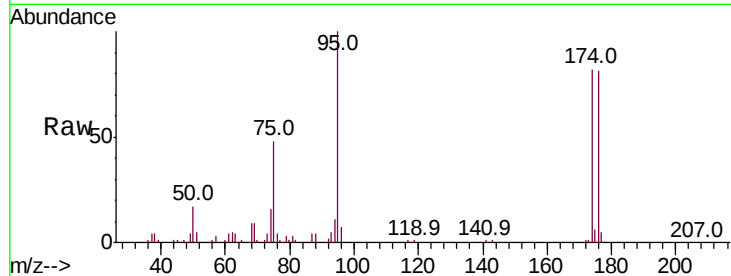
PAV-B3-112420-10.5-11.5

Tot Ion: 75 Resp: 64707

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 65.918 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064855.D

Acq: 25 Nov 2020 14:42

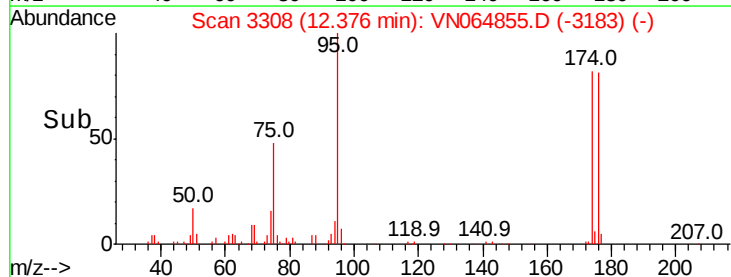
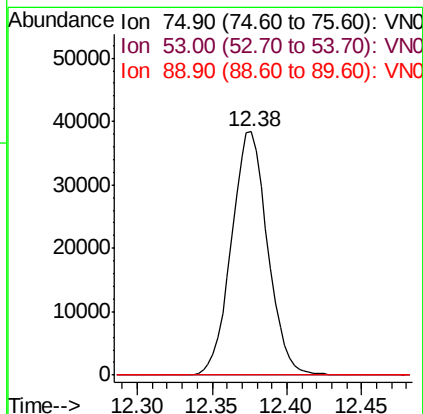
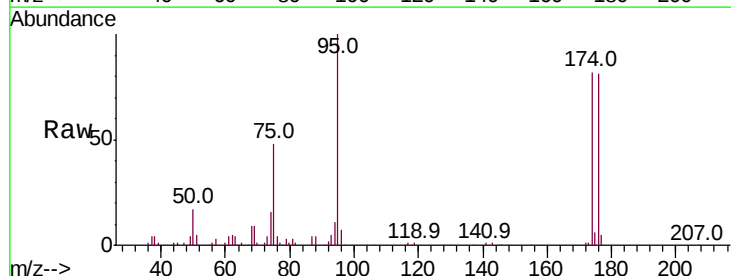
Tgt Ion: 75 Resp: 64707

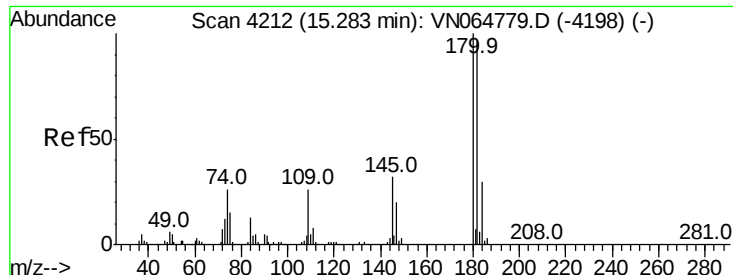
Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.493 ug/l
 RT: 15.29 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN064855.D
 Acq: 25 Nov 2020 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PAV-B3-112420-10.5-11.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	39.2	48.1	144.4#
145	0.0	16.4	49.1#

