

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120820\
 Data File : VN064995.D
 Acq On : 9 Dec 2020 2:39
 Operator : JC/MD
 Sample : L4970-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 4S2-A-BOTTOM

Quant Time: Dec 09 07:59:27 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	166999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	316777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	335286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	138879	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	106946	55.08	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	110.16%
35) Dibromofluoromethane	7.55	113	100786	53.17	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.34%
50) Toluene-d8	10.06	98	398377	51.44	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	102.88%
62) 4-Bromofluorobenzene	12.38	95	150325	54.24	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	108.48%

Target Compounds

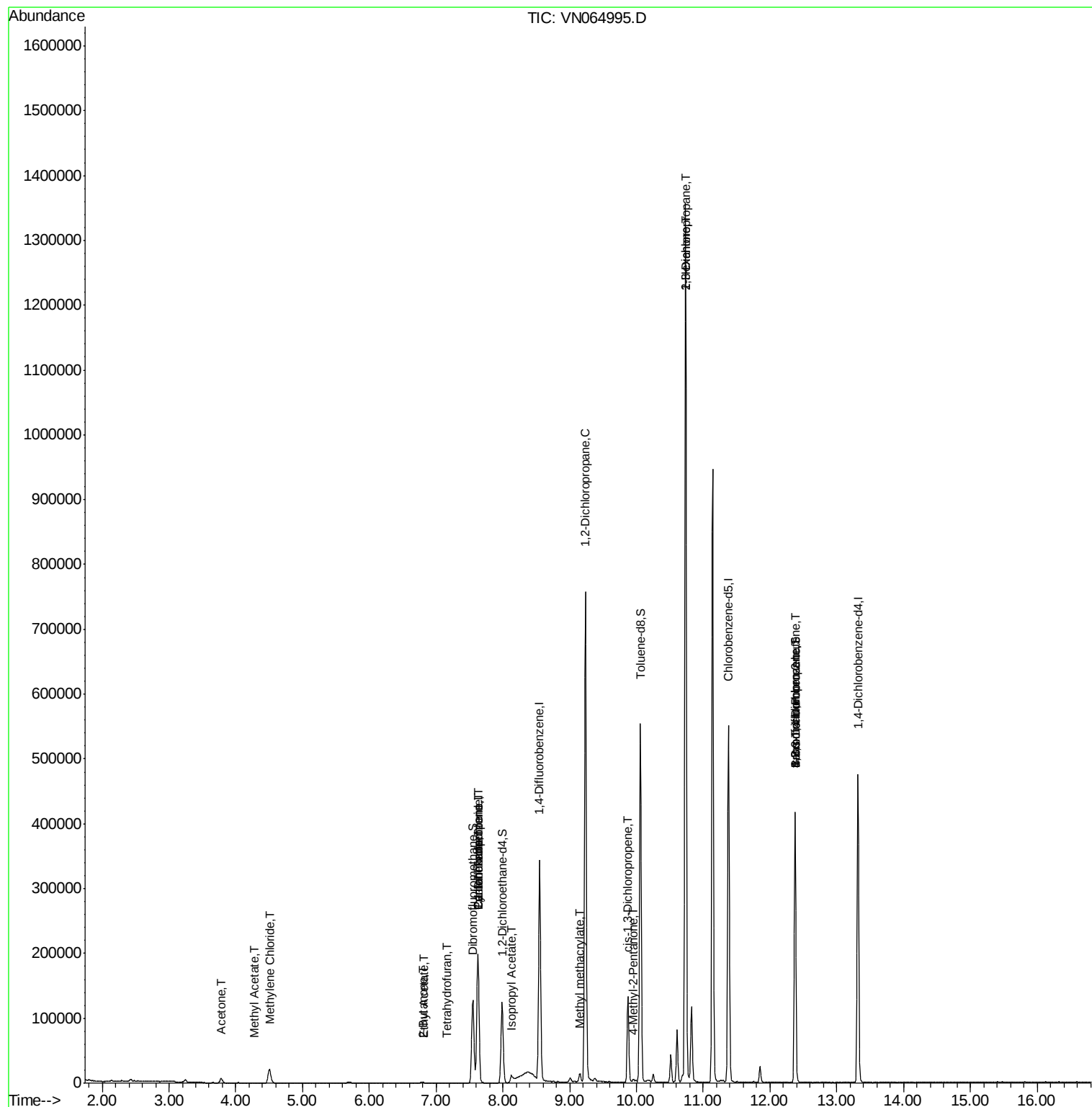
					Qvalue	
16) Acetone	3.78	43	12386	19.407	ug/l	95
18) Methyl Acetate	4.29	43	601	0.313	ug/l #	50
20) Methylene Chloride	4.51	84	17265	8.633	ug/l	95
25) 2-Butanone	6.80	43	1039	1.004	ug/l #	49
29) Tetrahydrofuran	7.17	42	209	0.293	ug/l #	32
31) Cyclohexane	7.62	56	2917	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	11429	3.892	ug/l #	44
37) Ethyl Acetate	6.82	43	573	0.203	ug/l #	66
38) Carbon Tetrachloride	7.62	117	15389	5.037	ug/l #	17
43) Isopropyl Acetate	8.13	43	18632	4.094	ug/l #	82
45) 1,2-Dichloropropane	9.23	63	812	0.348	ug/l #	43
48) Methyl methacrylate	9.14	41	3552	1.633	ug/l #	12
51) 4-Methyl-2-Pentanone	9.96	43	3333	1.220	ug/l	92
54) cis-1,3-Dichloropropene	9.87	75	24969	6.677	ug/l #	65
57) 1,3-Dichloropropane	10.73	76	14005	3.726	ug/l #	42
59) 2-Hexanone	10.74	43	182750	92.937	ug/l #	51
71) Bromoform	12.38	173	1140	0.539	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	70532	23.582	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	70532	64.634	ug/l #	15

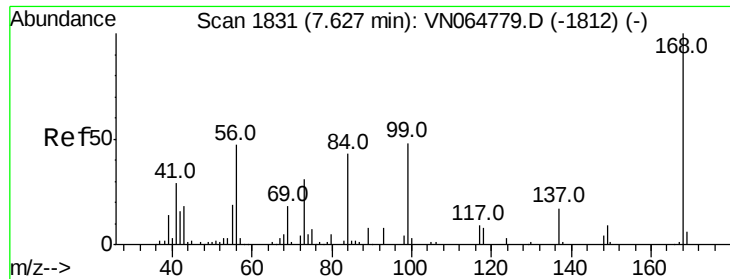
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120820\
Data File : VN064995.D
Acq On : 9 Dec 2020 2:39
Operator : JC/MD
Sample : L4970-05
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
4S2-A-BOTTOM

Quant Time: Dec 09 07:59:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
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: VN064995.D

Acq: 9 Dec 2020 2:39

Instrument :

MSVOA_N

ClientSampleId :

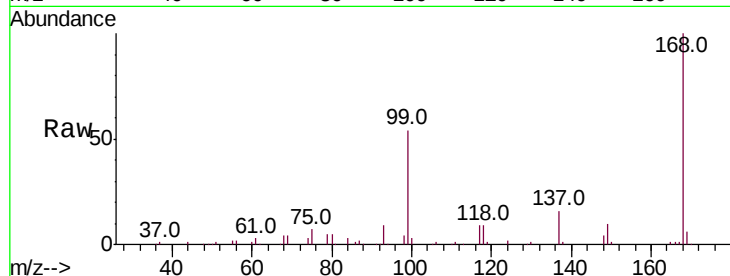
4S2-A-BOTTOM

Tot Ion:168 Resp: 166999

Ion Ratio Lower Upper

168 100

99 54.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

60000

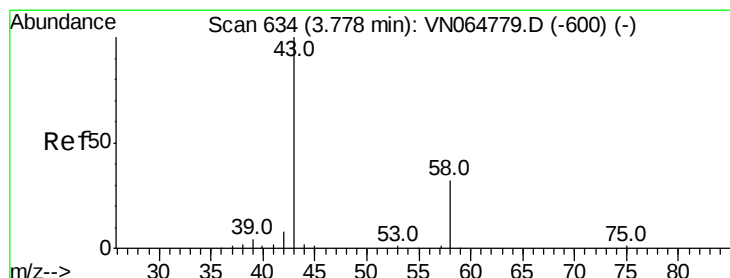
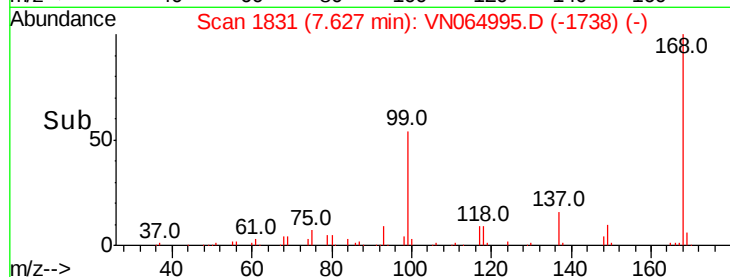
40000

20000

0

Time-->

7.50 7.60 7.70



#16

Acetone

Concen: 19.407 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064995.D

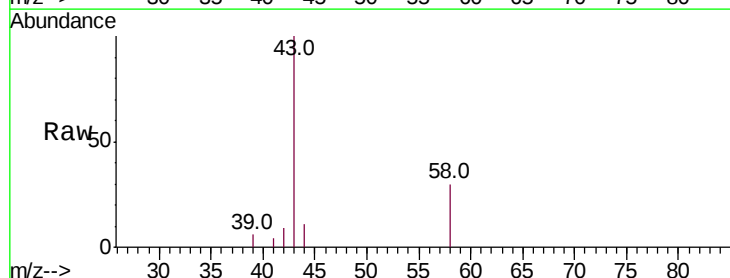
Acq: 9 Dec 2020 2:39

Tgt Ion: 43 Resp: 12386

Ion Ratio Lower Upper

43 100

58 29.5 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.78

5000

4000

3000

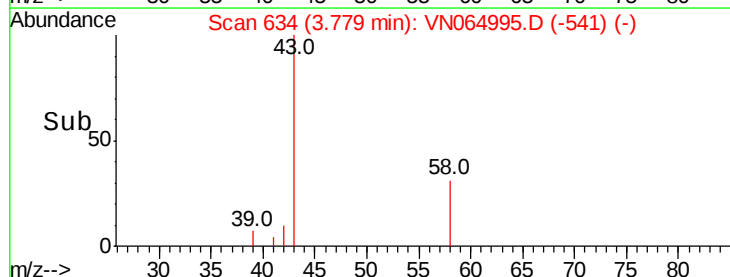
2000

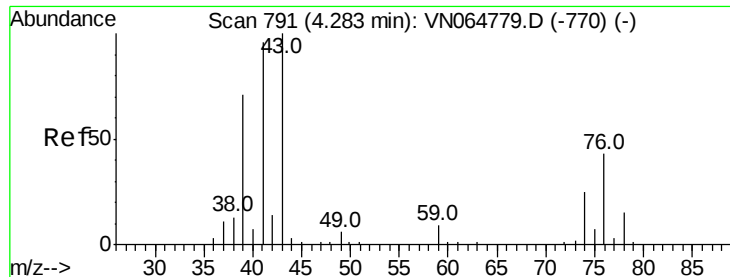
1000

0

Time-->

3.70 3.75 3.80 3.85

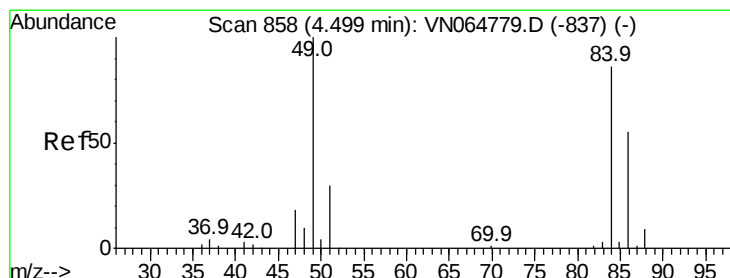
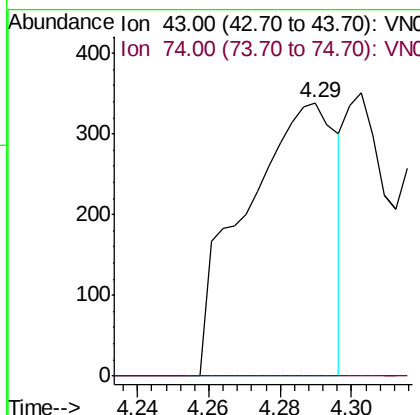
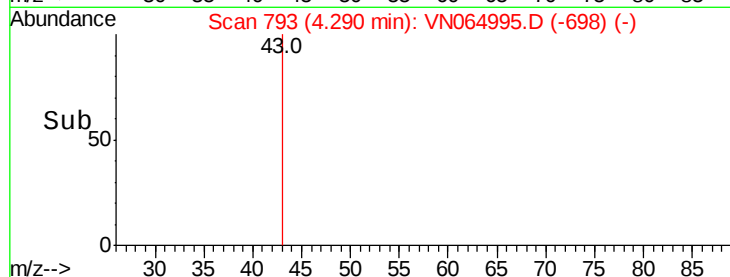
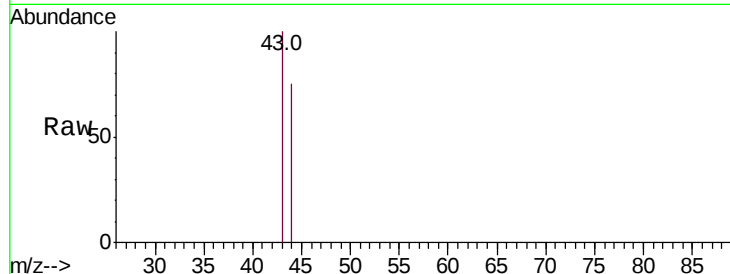




#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN064995.D
Acq: 9 Dec 2020 2:39

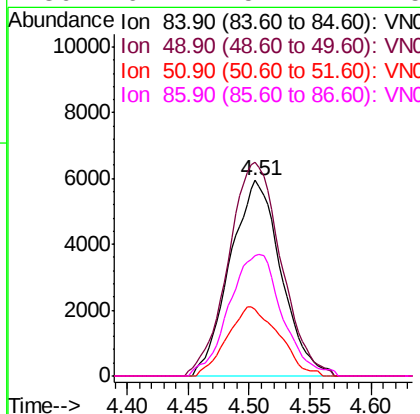
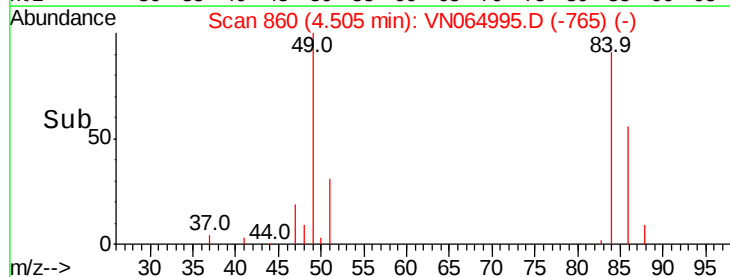
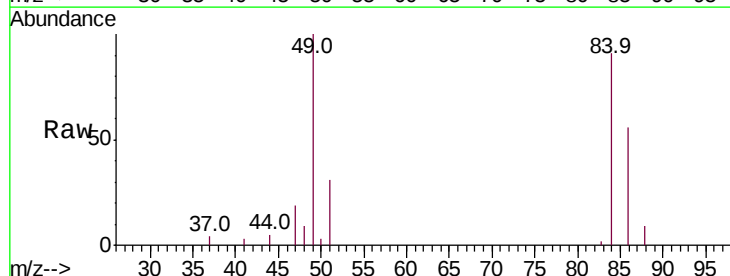
Instrument :
MSVOA_N
ClientSampleId :
4S2-A-BOTTOM

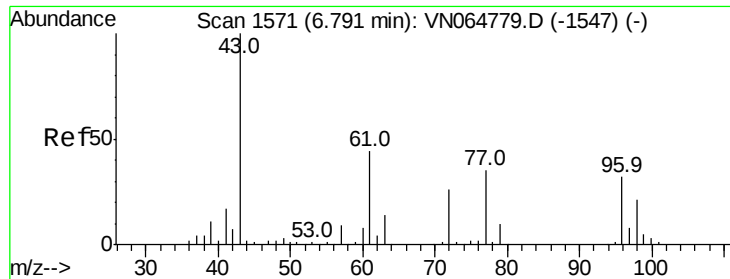
Tot Ion: 43 Resp: 601
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#



#20
Methylene Chloride
Concen: 8.633 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN064995.D
Acq: 9 Dec 2020 2:39

Tgt Ion: 84 Resp: 17265
Ion Ratio Lower Upper
84 100
49 109.3 93.4 140.0
51 34.1 28.2 42.4
86 61.7 51.7 77.5

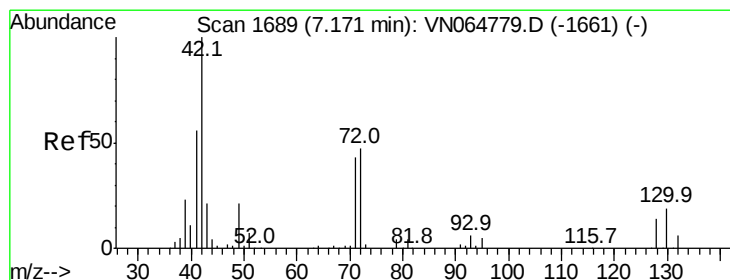
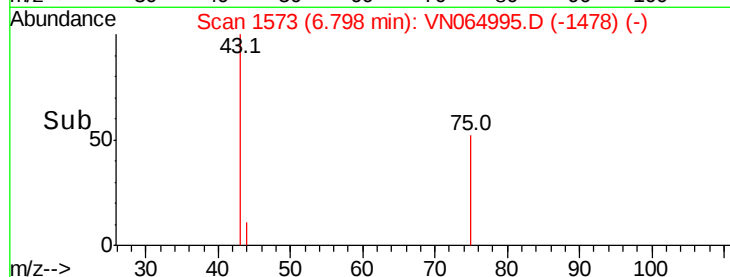
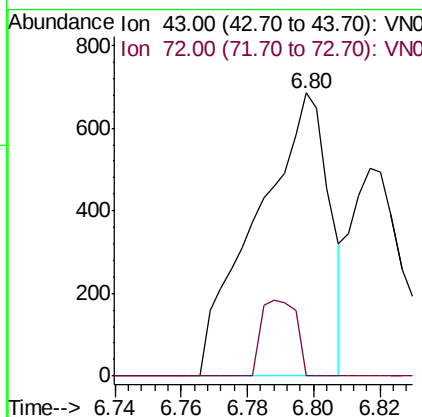
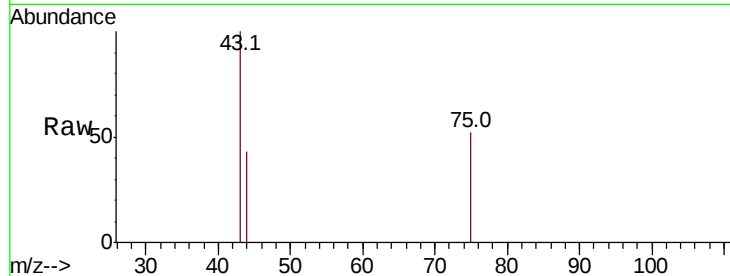




#25
2-Butanone
Concen: 1.004 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN064995.D
Acq: 9 Dec 2020 2:39

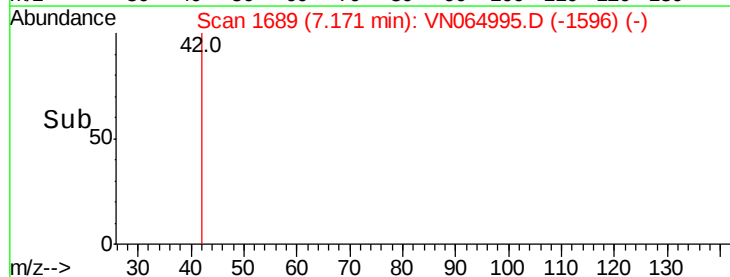
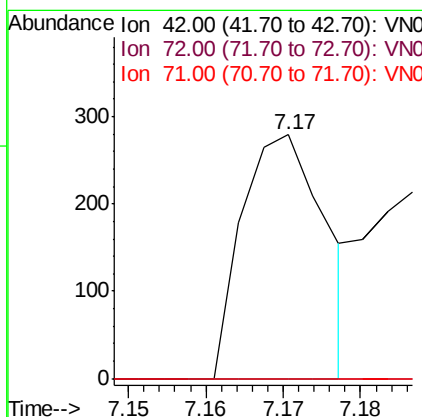
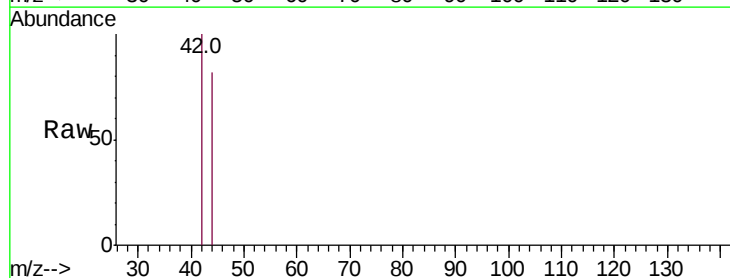
Instrument :
MSVOA_N
ClientSampleId :
4S2-A-BOTTOM

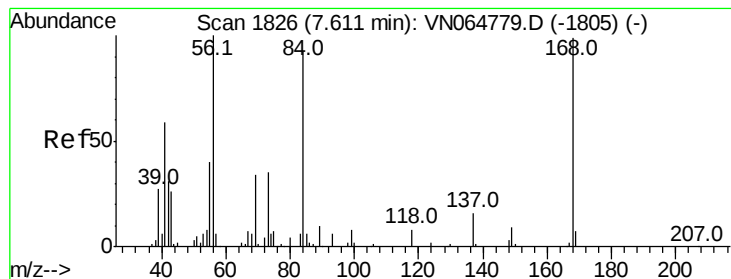
Tot Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#29
Tetrahydrofuran
Concen: 0.293 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN064995.D
Acq: 9 Dec 2020 2:39

Tgt Ion: 42 Resp: 209
Ion Ratio Lower Upper
42 100
72 0.0 36.6 54.8#
71 0.0 33.6 50.4#





#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

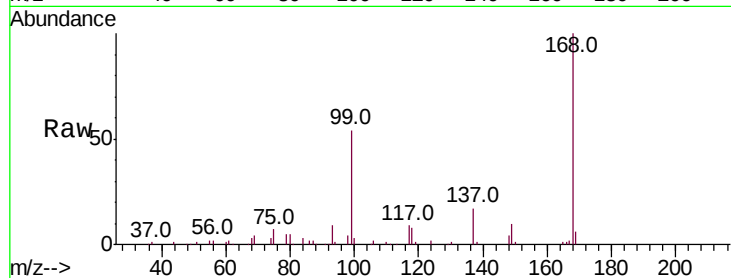
Lab File: VN064995.D

Acq: 9 Dec 2020 2:39

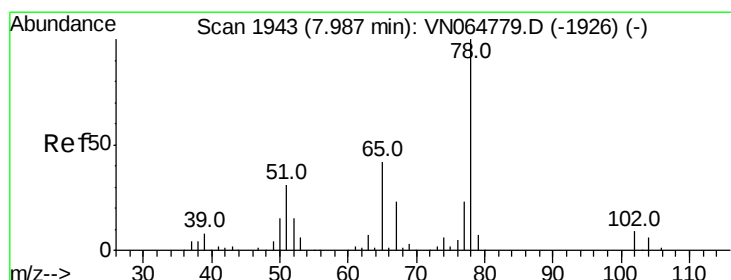
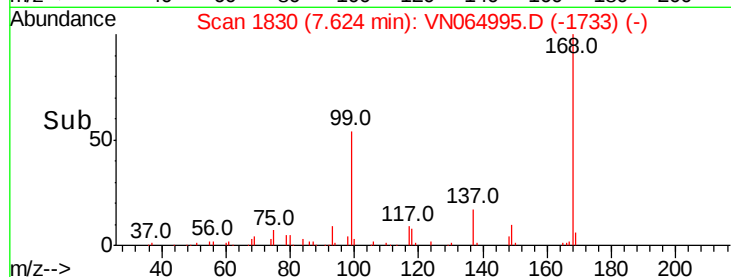
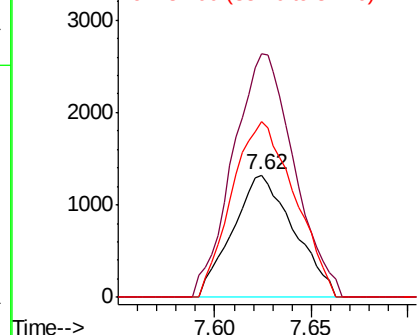
Instrument :
MSVOA_N
ClientSampleId :
4S2-A-BOTTOM

Tot Ion: 56 Resp: 2917

Ion	Ratio	Lower	Upper
56	100		
69	198.6	27.5	41.3#
84	143.4	73.9	110.9#



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



#33

1,2-Dichloroethane-d4

Concen: 55.085 ug/l

RT: 7.99 min Scan# 1943

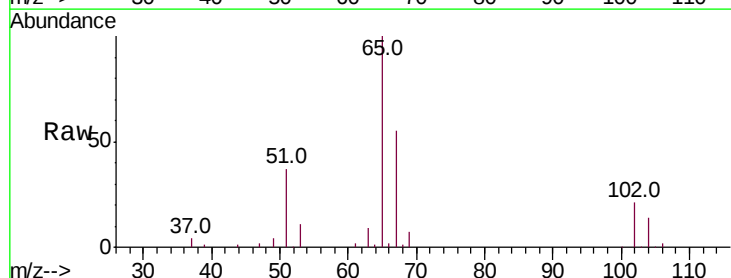
Delta R.T. 0.00 min

Lab File: VN064995.D

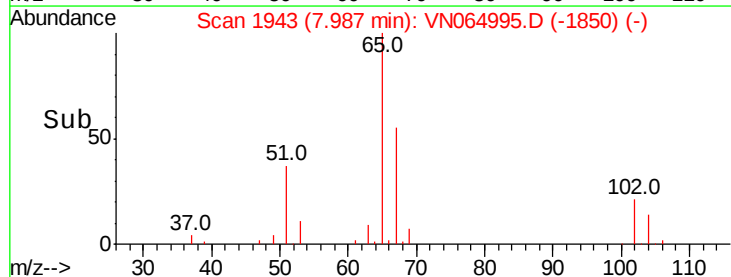
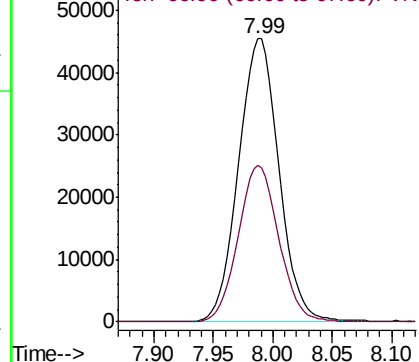
Acq: 9 Dec 2020 2:39

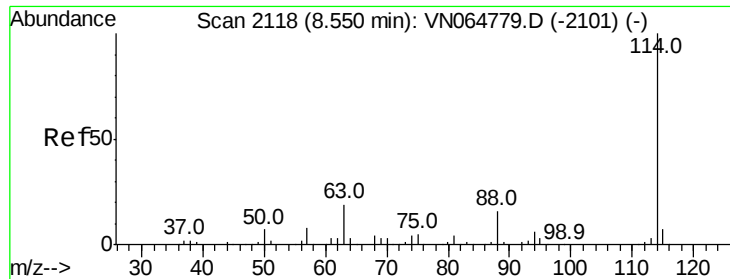
Tgt Ion: 65 Resp: 106946

Ion	Ratio	Lower	Upper
65	100		
67	55.3	0.0	108.2



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

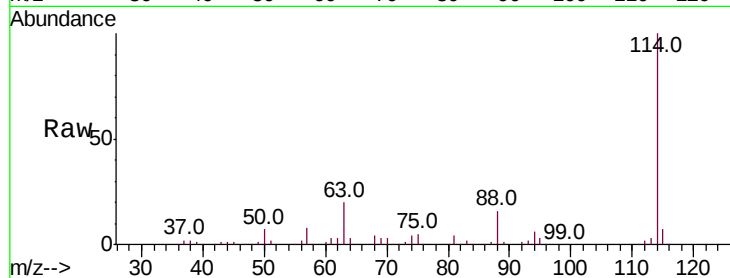




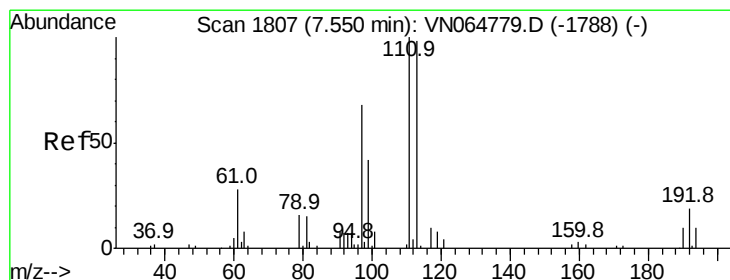
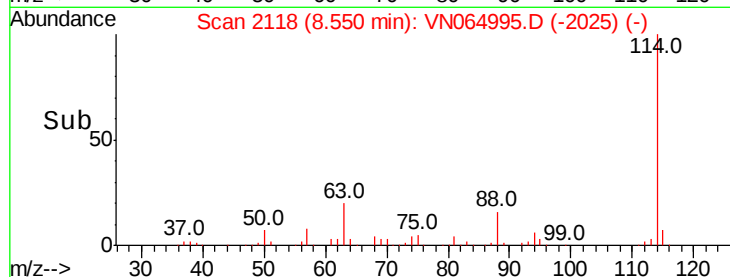
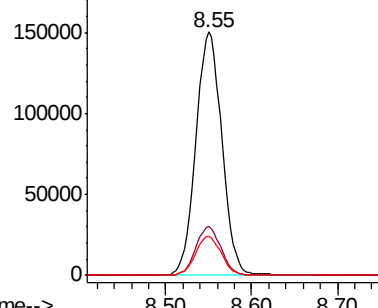
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064995.D
 Acq: 9 Dec 2020 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 4S2-A-BOTTOM

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	38.6
88	15.9	0.0	32.6

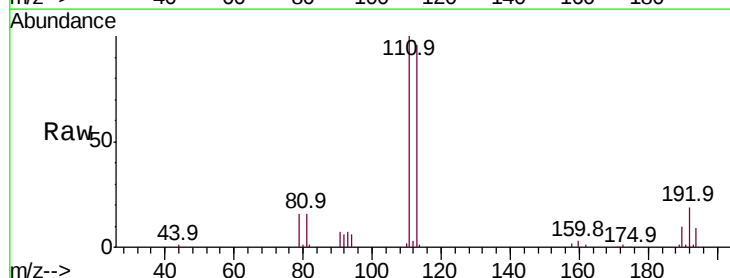


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

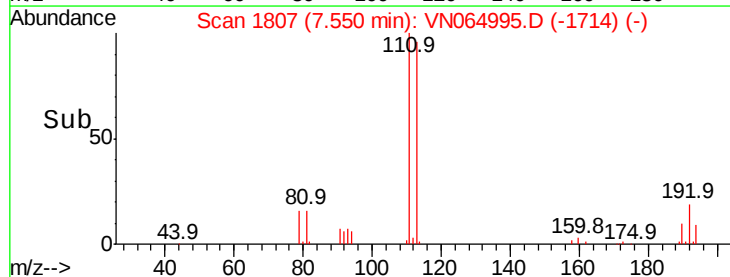
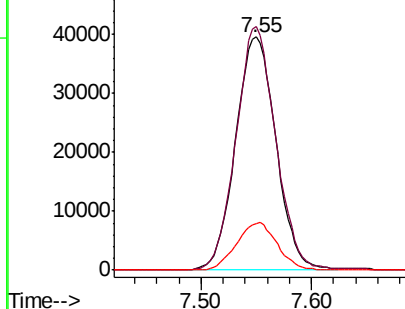


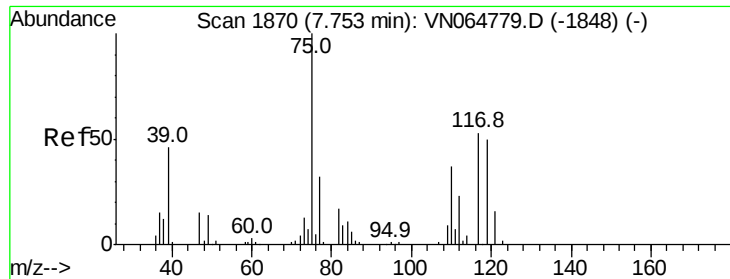
#35
 Dibromofluoromethane
 Concen: 53.171 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064995.D
 Acq: 9 Dec 2020 2:39

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.6	122.4
192	20.3	16.2	24.2



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

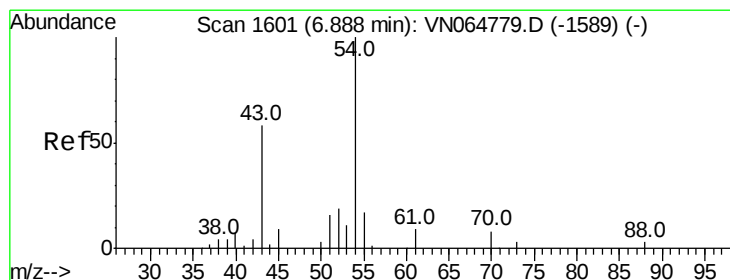
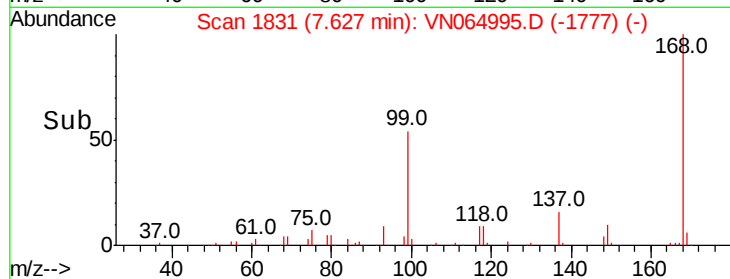
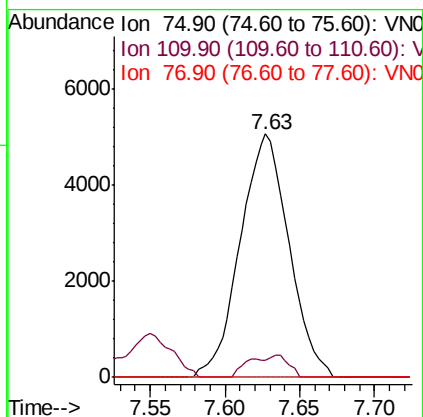
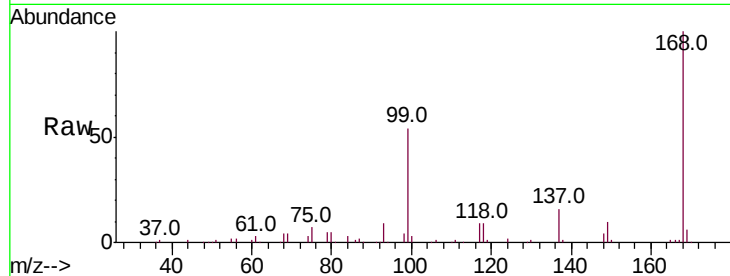




#36
 1,1-Dichloropropene
 Concen: 3.892 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064995.D
 Acq: 9 Dec 2020 2:39

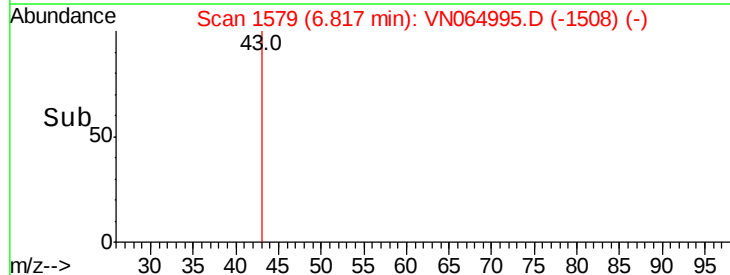
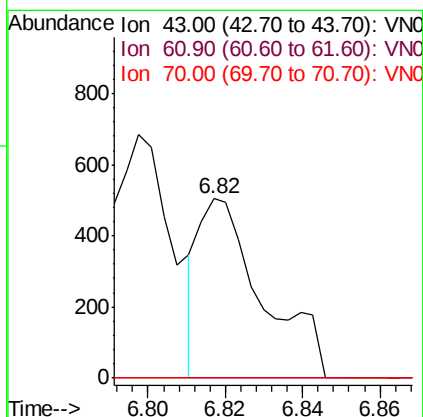
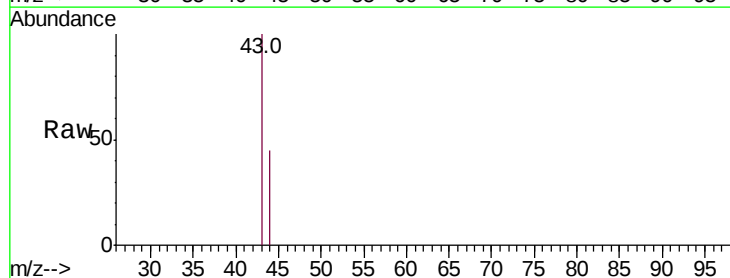
Instrument :
 MSVOA_N
 ClientSampleId :
 4S2-A-BOTTOM

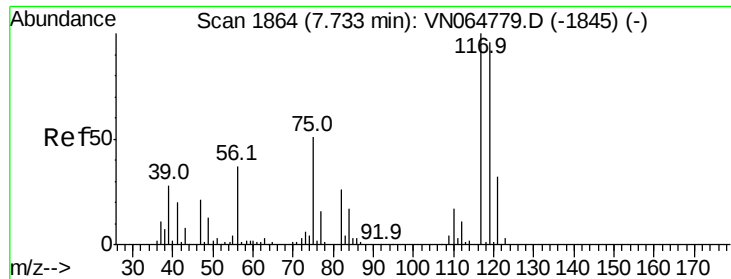
Tot Ion: 75 Resp: 11429
 Ion Ratio Lower Upper
 75 100
 110 3.6 17.8 53.3#
 77 0.0 25.0 37.4#



#37
 Ethyl Acetate
 Concen: 0.203 ug/l
 RT: 6.82 min Scan# 1579
 Delta R.T. -0.07 min
 Lab File: VN064995.D
 Acq: 9 Dec 2020 2:39

Tgt Ion: 43 Resp: 573
 Ion Ratio Lower Upper
 43 100
 61 0.0 12.8 19.2#
 70 0.0 8.8 13.2#





#38

Carbon Tetrachloride

Concen: 5.037 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN064995.D

Acq: 9 Dec 2020 2:39

Instrument :

MSVOA_N

ClientSampleId :

4S2-A-BOTTOM

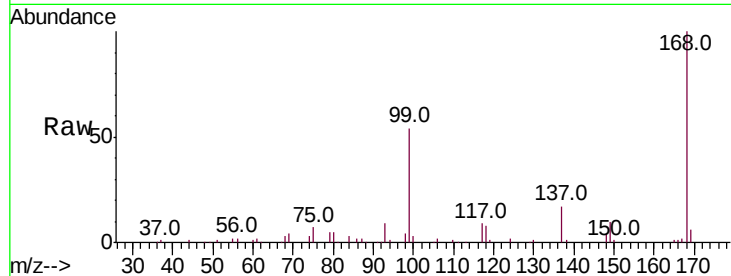
Tot Ion:117 Resp: 15389

Ion Ratio Lower Upper

117 100

119 5.9 76.7 115.1#

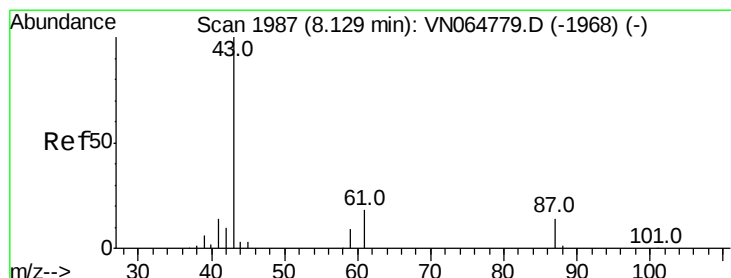
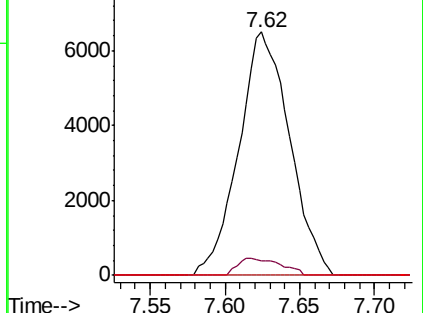
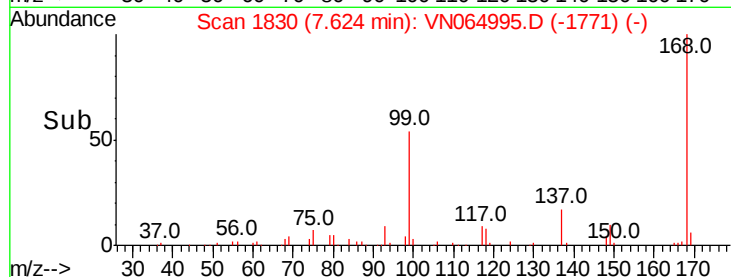
121 0.0 25.4 38.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 4.094 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064995.D

Acq: 9 Dec 2020 2:39

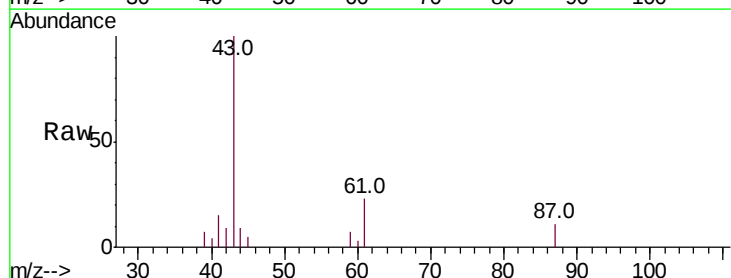
Tgt Ion: 43 Resp: 18632

Ion Ratio Lower Upper

43 100

61 15.0 17.2 25.8#

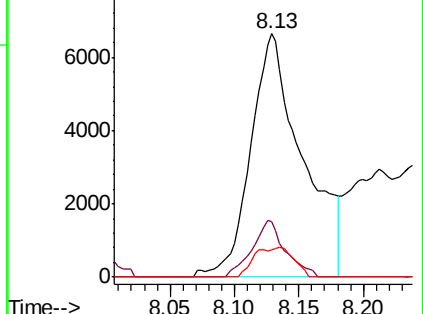
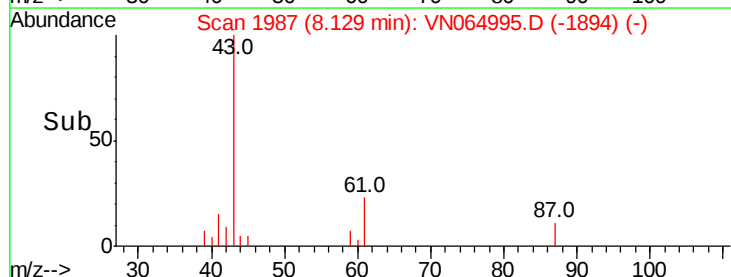
87 3.8 11.4 17.0#

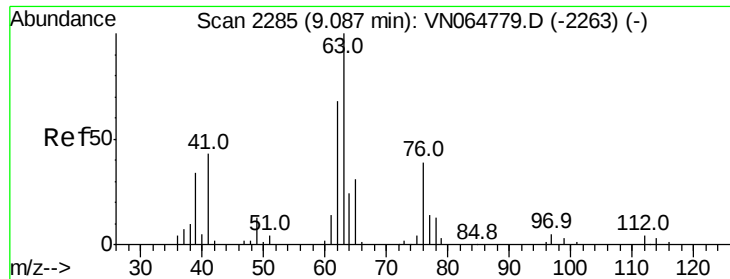


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

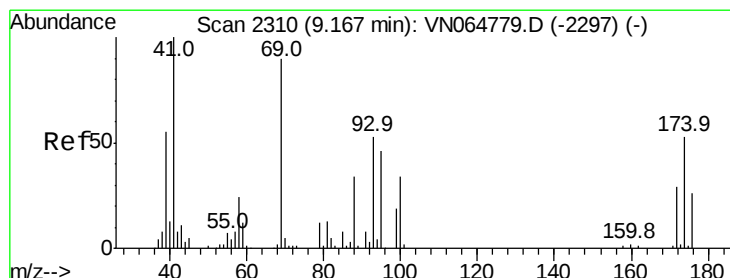
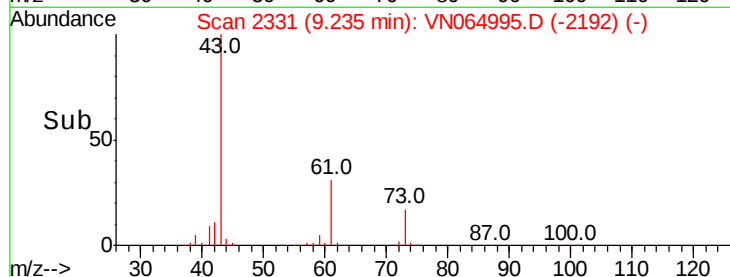
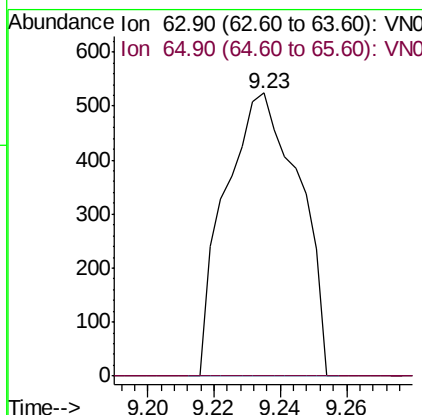
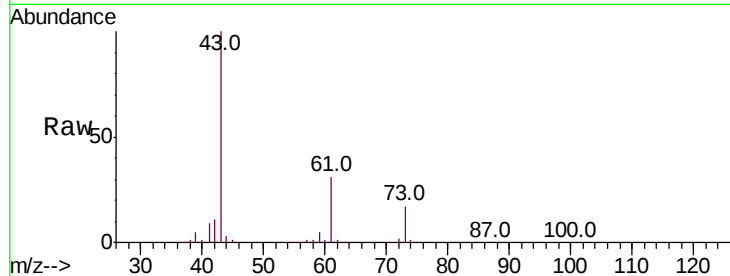




#45
 1,2-Dichloropropane
 Concen: 0.348 ug/l
 RT: 9.23 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN064995.D
 Acq: 9 Dec 2020 2:39

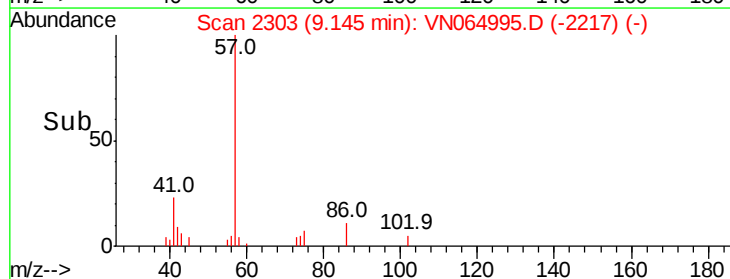
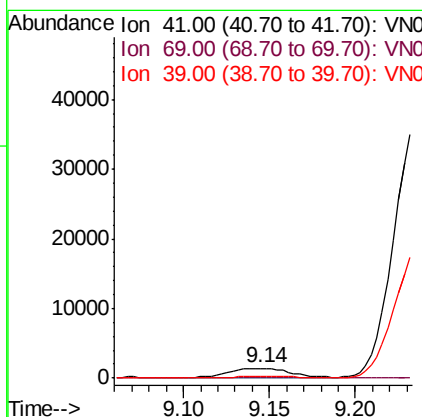
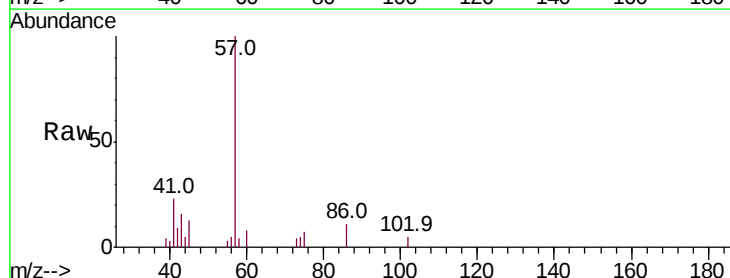
Instrument :
 MSVOA_N
 ClientSampleId :
 4S2-A-BOTTOM

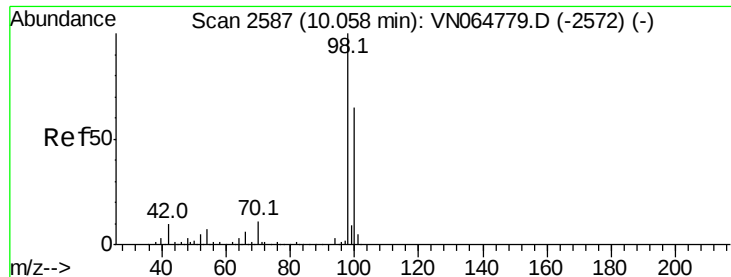
Tot Ion: 63 Resp: 812
 Ion Ratio Lower Upper
 63 100
 65 0.0 25.0 37.4#



#48
 Methyl methacrylate
 Concen: 1.633 ug/l
 RT: 9.14 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN064995.D
 Acq: 9 Dec 2020 2:39

Tgt Ion: 41 Resp: 3552
 Ion Ratio Lower Upper
 41 100
 69 0.0 71.8 107.8#
 39 0.0 44.1 66.1#





#50

Toluene-d8

Concen: 51.438 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064995.D

Acq: 9 Dec 2020 2:39

Instrument :

MSVOA_N

ClientSampleId :

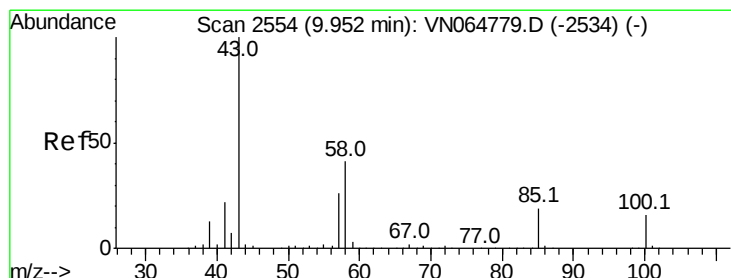
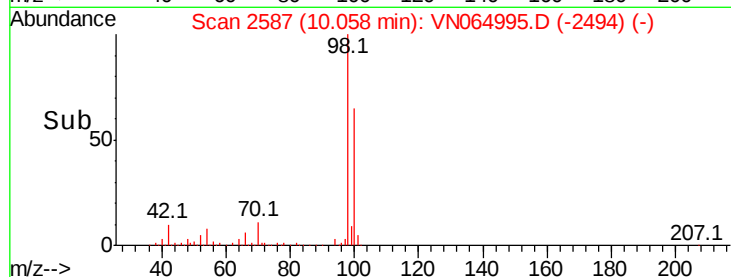
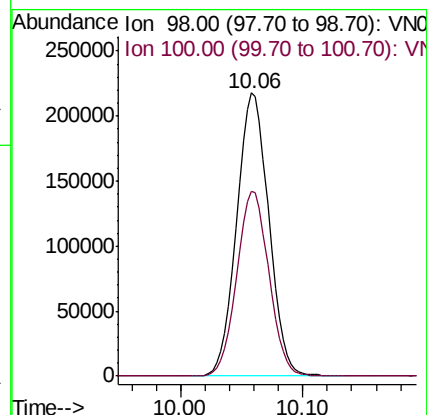
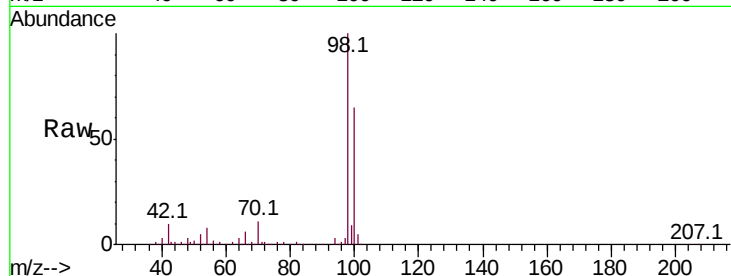
4S2-A-BOTTOM

Tot Ion: 98 Resp: 398377

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 1.220 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064995.D

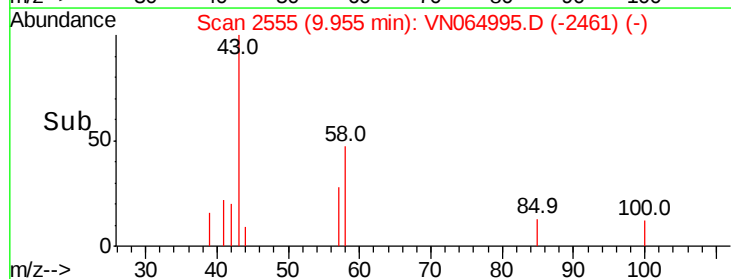
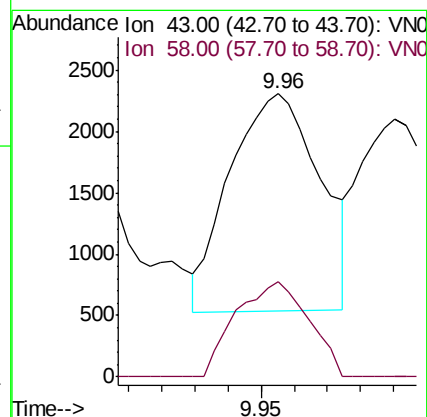
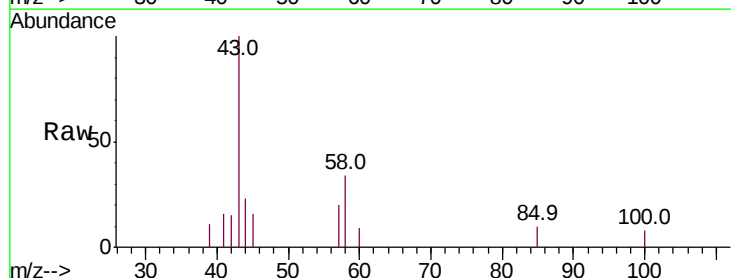
Acq: 9 Dec 2020 2:39

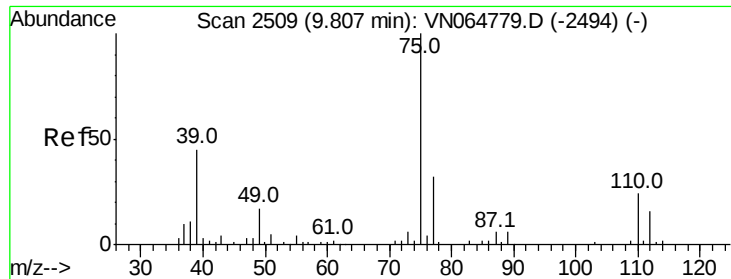
Tgt Ion: 43 Resp: 3333

Ion Ratio Lower Upper

43 100

58 35.5 32.4 48.6



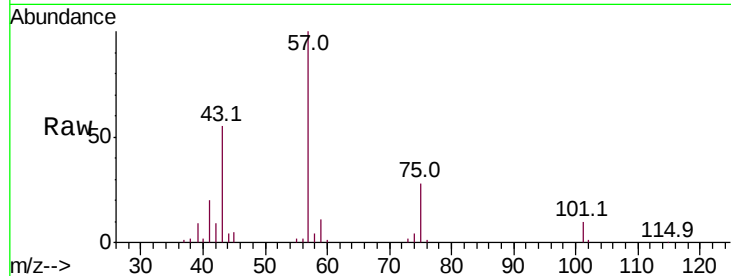


#54

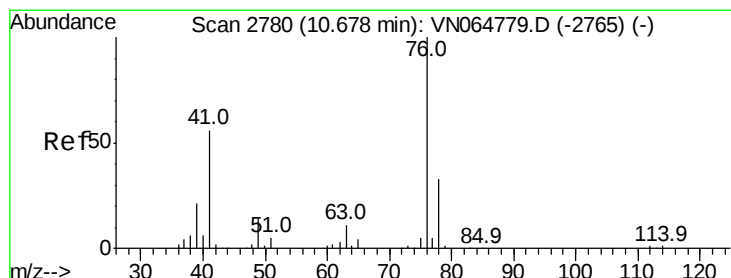
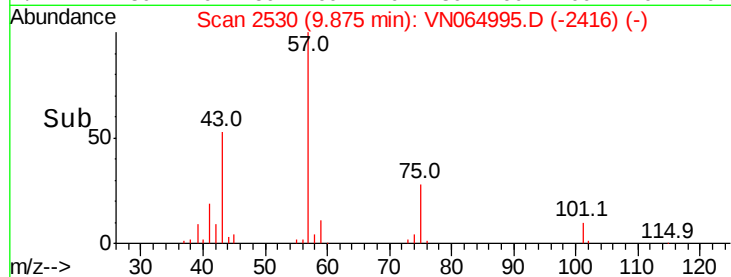
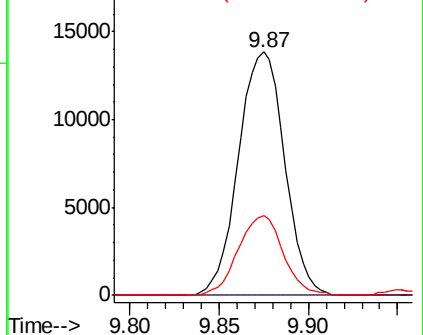
cis-1,3-Dichloropropene
 Concen: 6.677 ug/l
 RT: 9.87 min Scan# 2530
 Delta R.T. 0.07 min
 Lab File: VN064995.D
 Acq: 9 Dec 2020 2:39

Instrument :
 MSVOA_N
 ClientSampleId :
 4S2-A-BOTTOM

Tot Ion: 75 Resp: 24969
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 32.6 35.6 53.4#



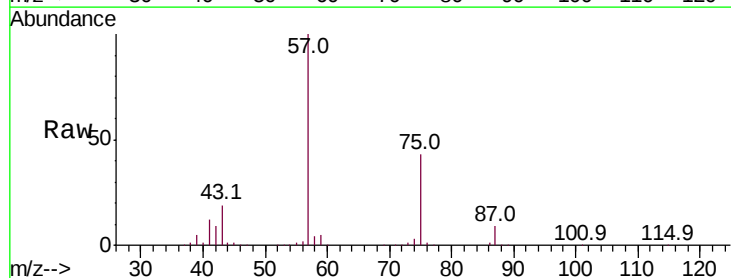
Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0
 Ion 39.00 (38.70 to 39.70): VN0



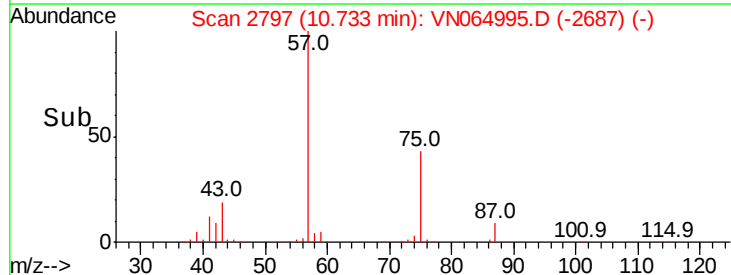
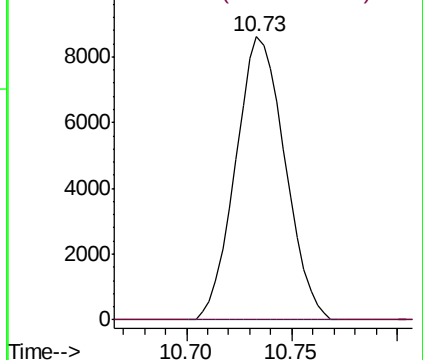
#57

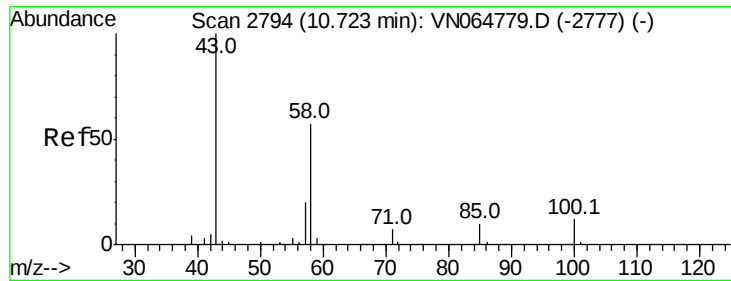
1,3-Dichloropropane
 Concen: 3.726 ug/l
 RT: 10.73 min Scan# 2797
 Delta R.T. 0.05 min
 Lab File: VN064995.D
 Acq: 9 Dec 2020 2:39

Tgt Ion: 76 Resp: 14005
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#



Abundance Ion 75.90 (75.60 to 76.60): VN0
 Ion 77.90 (77.60 to 78.60): VN0

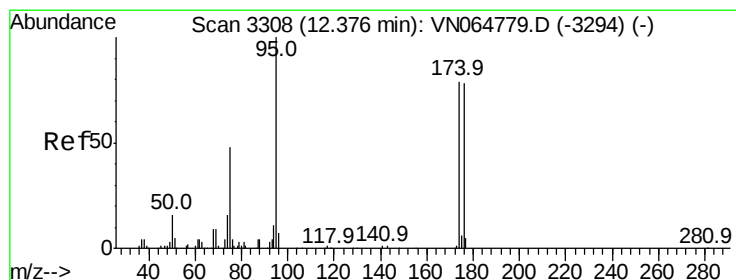
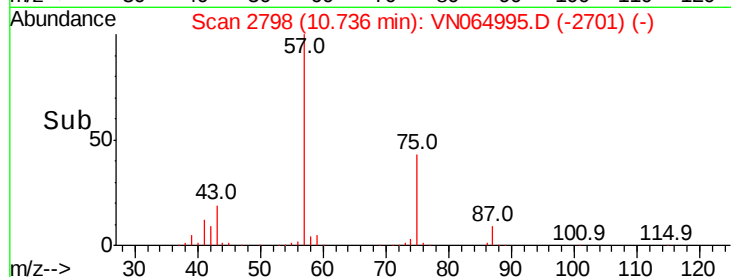
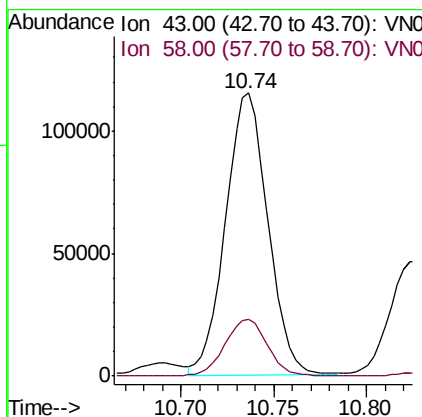
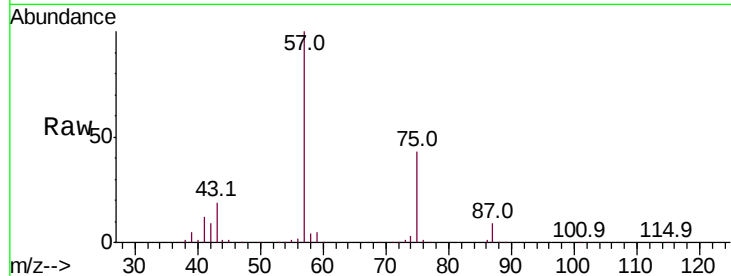




#59
2-Hexanone
Concen: 92.937 ug/l
RT: 10.74 min Scan# 2798
Delta R.T. 0.01 min
Lab File: VN064995.D
Acq: 9 Dec 2020 2:39

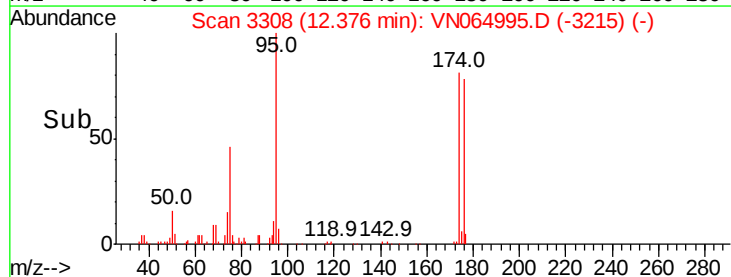
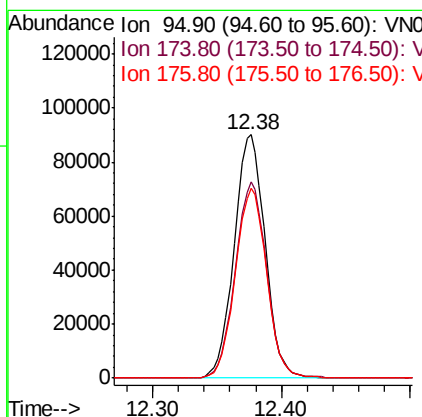
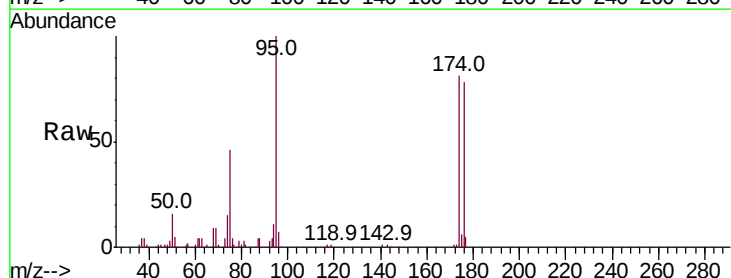
Instrument :
MSVOA_N
ClientSampleId :
4S2-A-BOTTOM

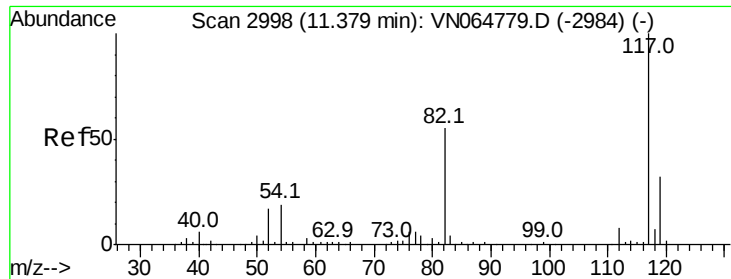
Tot Ion: 43 Resp: 182750
Ion Ratio Lower Upper
43 100
58 20.4 28.3 84.9#



#62
4-Bromofluorobenzene
Concen: 54.235 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064995.D
Acq: 9 Dec 2020 2:39

Tgt Ion: 95 Resp: 150325
Ion Ratio Lower Upper
95 100
174 81.8 0.0 160.4
176 79.1 0.0 158.4

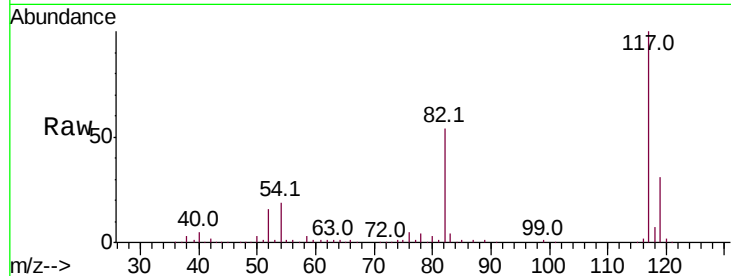




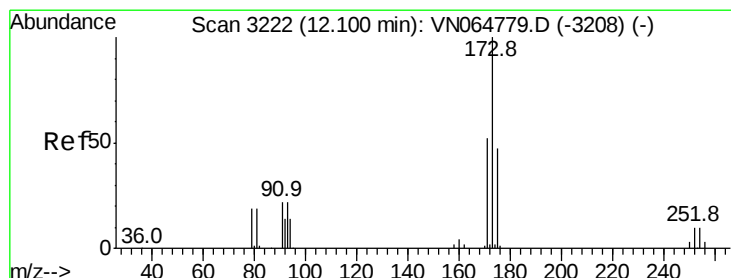
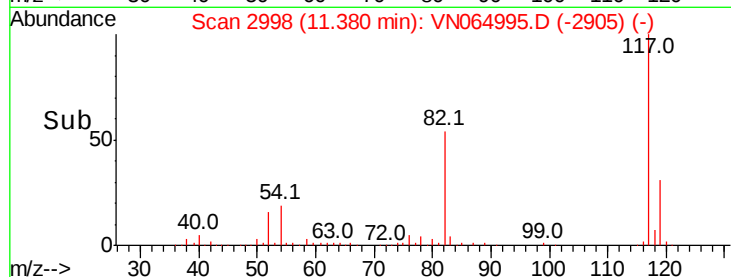
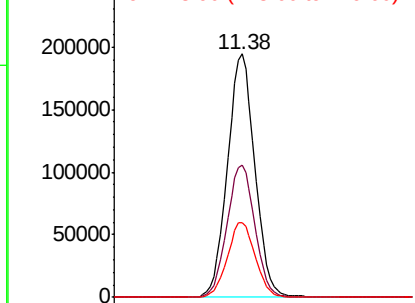
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064995.D
Acq: 9 Dec 2020 2:39

Instrument :
MSVOA_N
ClientSampleId :
4S2-A-BOTTOM

Tot Ion:117 Resp: 335286
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 30.7 25.8 38.6

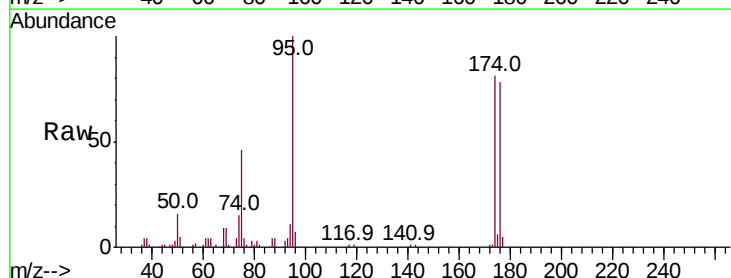


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

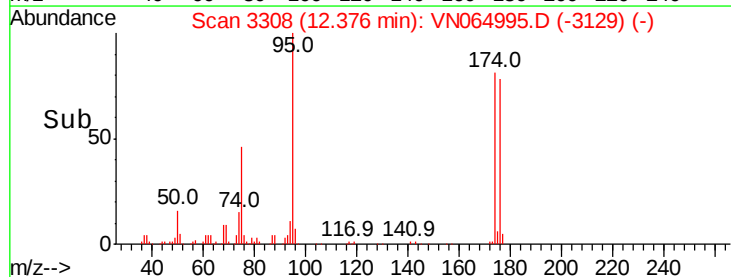
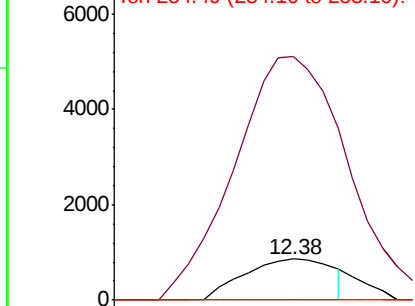


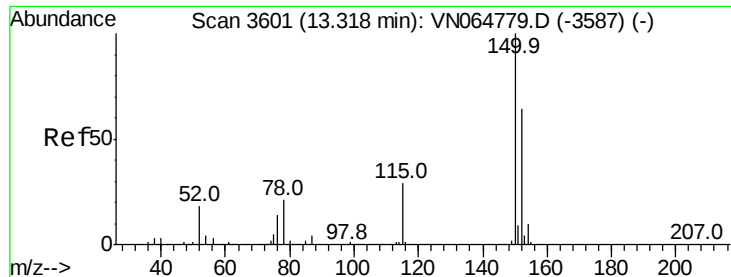
#71
Bromoform
Concen: 0.539 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN064995.D
Acq: 9 Dec 2020 2:39

Tgt Ion:173 Resp: 1140
Ion Ratio Lower Upper
173 100
175 650.6 24.3 72.8#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064995.D

Acq: 9 Dec 2020 2:39

Instrument :

MSVOA_N

ClientSampleId :

4S2-A-BOTTOM

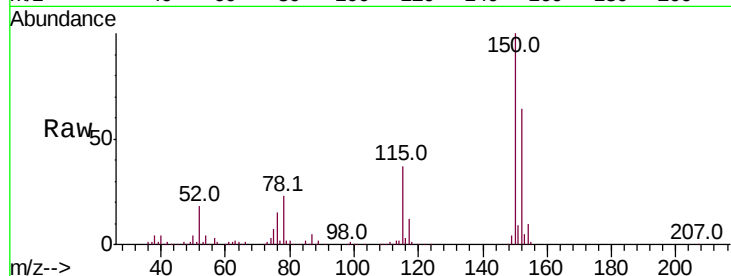
Tot Ion:152 Resp: 138879

Ion Ratio Lower Upper

152 100

115 57.7 29.7 89.1

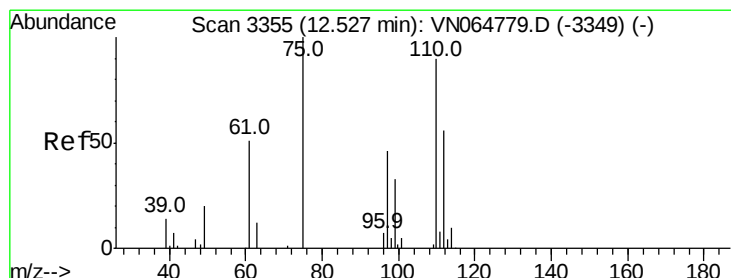
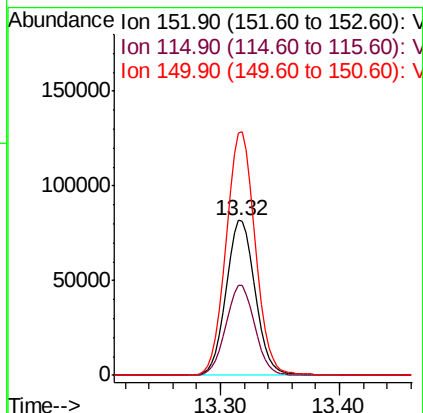
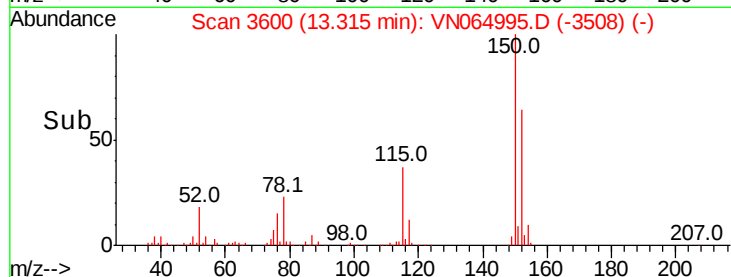
150 157.2 0.0 350.6



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



#76

1,2,3-Trichloropropane

Concen: 23.582 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064995.D

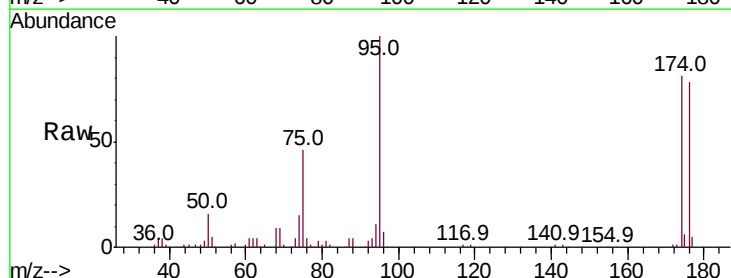
Acq: 9 Dec 2020 2:39

Tgt Ion: 75 Resp: 70532

Ion Ratio Lower Upper

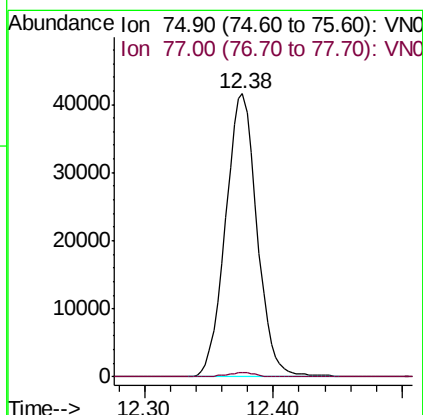
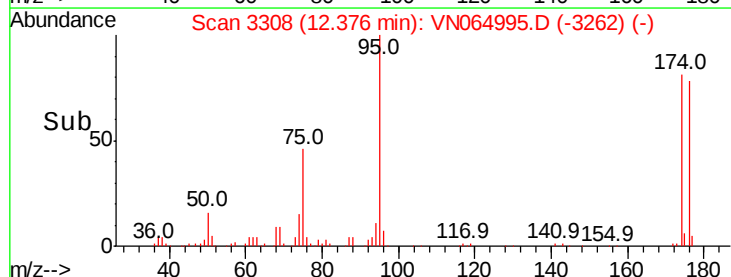
75 100

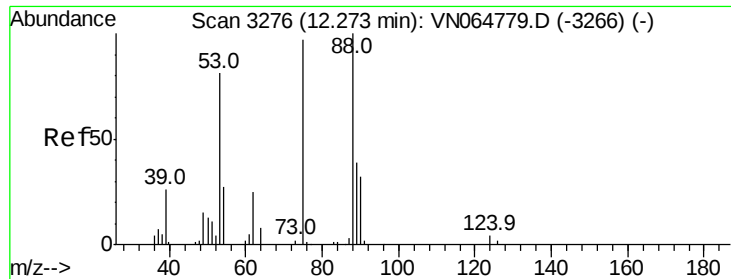
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 64.634 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064995.D

Acq: 9 Dec 2020 2:39

Instrument :

MSVOA_N

ClientSampleId :

4S2-A-BOTTOM

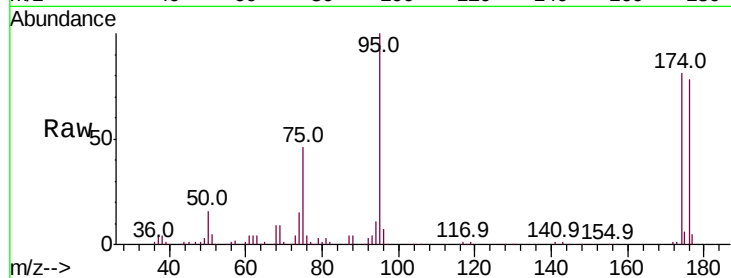
Tot Ion: 75 Resp: 70532

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



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

