

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072820\
 Data File : VN062633.D
 Acq On : 28 Jul 2020 15:55
 Operator : JC/MD
 Sample : PB130523TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 29 04:26:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 18:48:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	137502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	238400	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92503	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	112259	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	7.54	113	79290	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
50) Toluene-d8	10.06	98	314452	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.38	95	117765	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	

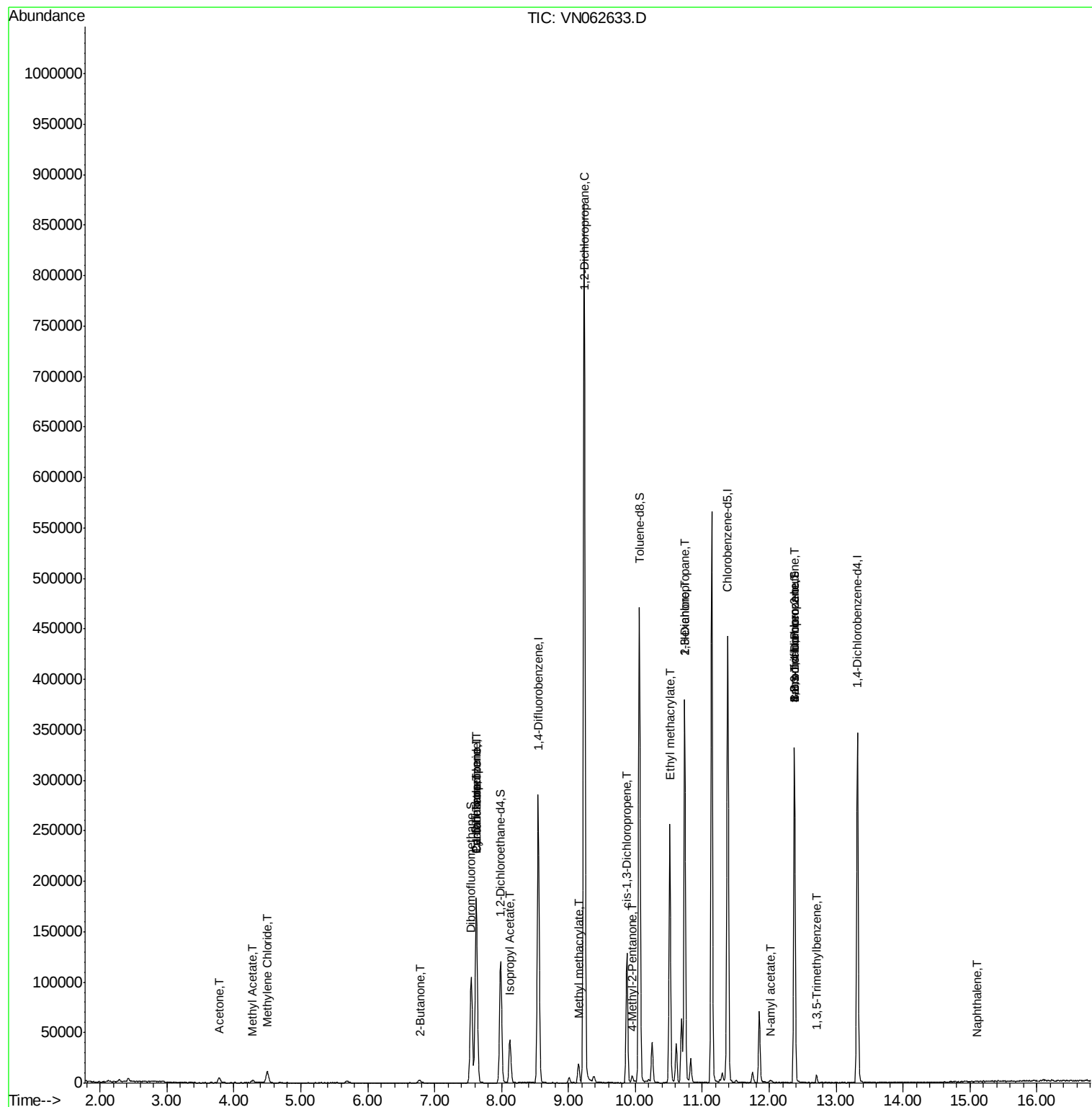
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	9528	11.854	ug/l	99
18) Methyl Acetate	4.28	43	2526	1.241	ug/l #	56
20) Methylene Chloride	4.50	84	7648	3.967	ug/l	96
25) 2-Butanone	6.80	43	820	0.670	ug/l #	52
31) Cyclohexane	7.63	56	3388	1.076	ug/l #	4
36) 1,1-Dichloropropene	7.62	75	11936	4.697	ug/l #	46
38) Carbon Tetrachloride	7.62	117	14628	5.989	ug/l #	18
43) Isopropyl Acetate	8.12	43	50599	11.459	ug/l #	90
45) 1,2-Dichloropropane	9.23	63	996	0.461	ug/l #	44
48) Methyl methacrylate	9.14	41	2701	1.287	ug/l #	15
51) 4-Methyl-2-Pentanone	9.96	43	5300	2.006	ug/l	88
54) cis-1,3-Dichloropropene	9.87	75	20926	6.477	ug/l #	67
56) Ethyl methacrylate	10.52	69	850	2.033	ug/l #	1
57) 1,3-Dichloropropane	10.73	76	3720	1.172	ug/l #	42
59) 2-Hexanone	10.73	43	59086	31.533	ug/l #	54
71) Bromoform	12.38	173	310	0.217	ug/l #	1
74) N-amyl acetate	12.01	43	1894	0.580	ug/l #	45
76) 1,2,3-Trichloropropane	12.38	75	64601	27.437	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.71	105	4960	0.818	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.38	75	64601	76.378	ug/l #	12
95) Naphthalene	15.11	128	224	3.812	ug/l #	69

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072820\
Data File : VN062633.D
Acq On : 28 Jul 2020 15:55
Operator : JC/MD
Sample : PB130523TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jul 29 04:26:25 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072120W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 18:48:59 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

Instrument :

MSVOA_N

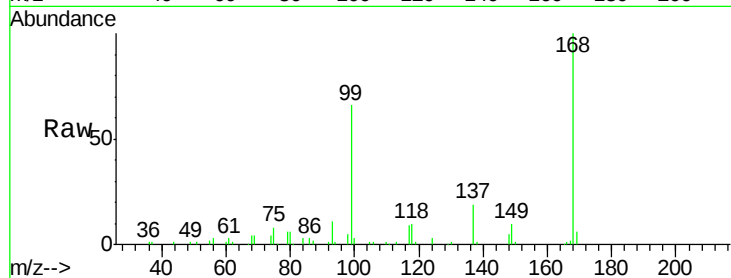
ClientSampled :

Tot Ion:168 Resp: 137502

Ion Ratio Lower Upper

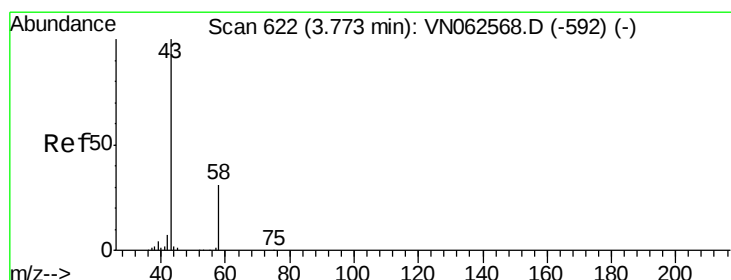
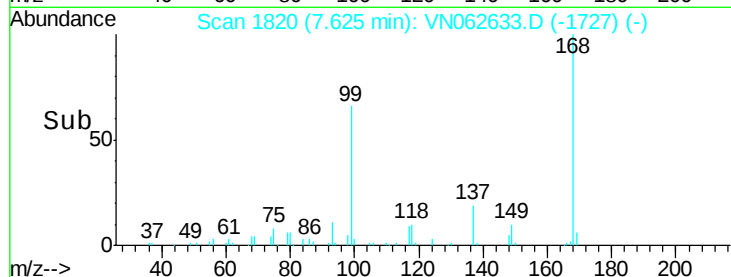
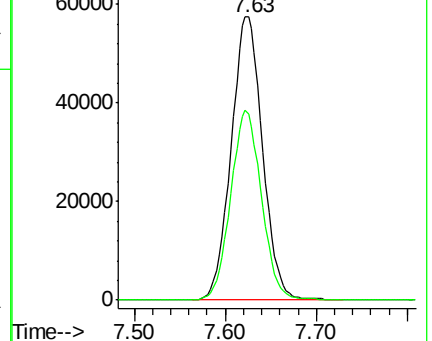
168 100

99 65.6 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 11.854 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.01 min

Lab File: VN062633.D

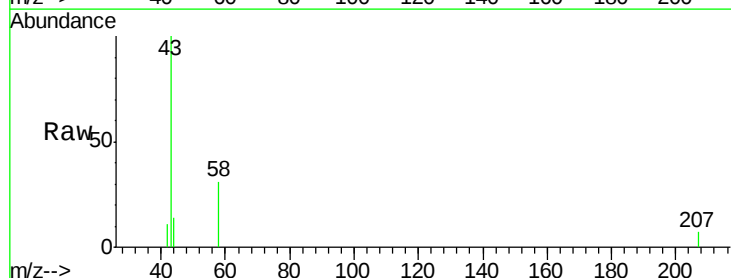
Acq: 28 Jul 2020 15:55

Tgt Ion: 43 Resp: 9528

Ion Ratio Lower Upper

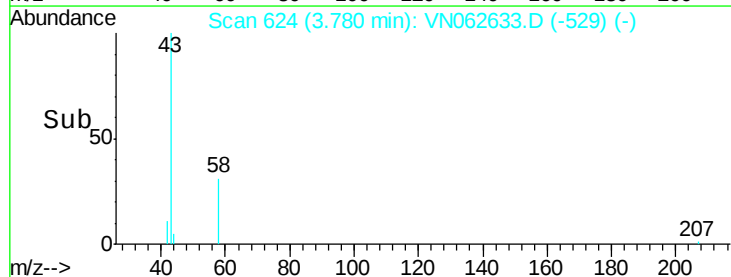
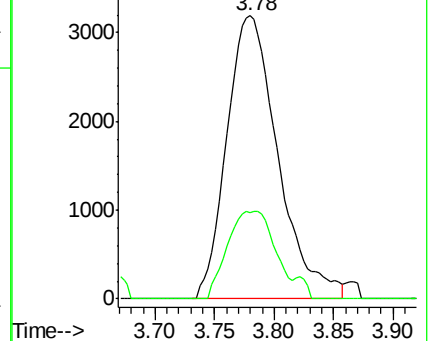
43 100

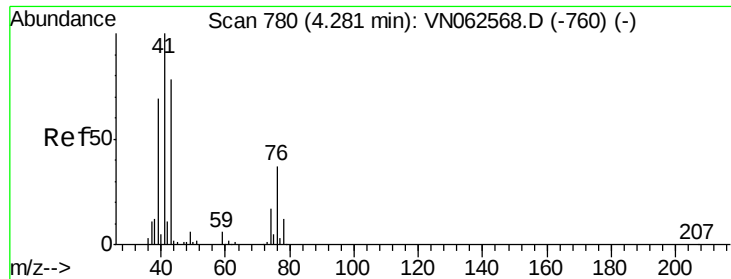
58 30.5 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

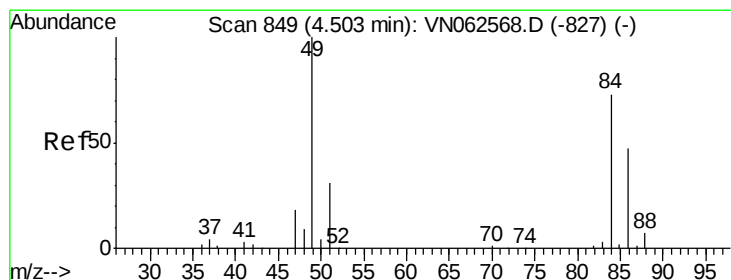
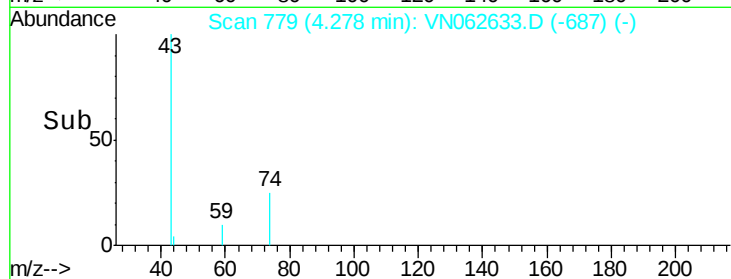
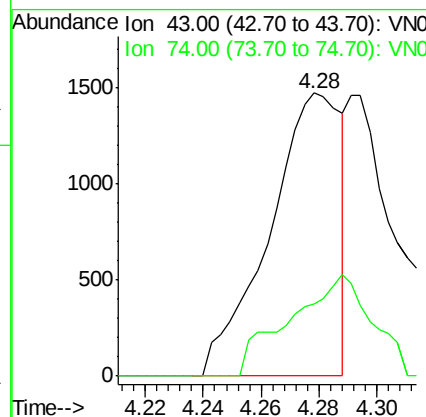
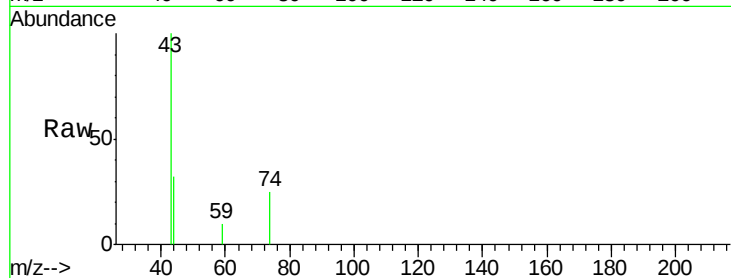




#18
Methvl Acetate
Concen: 1.241 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062633.D
Acq: 28 Jul 2020 15:55

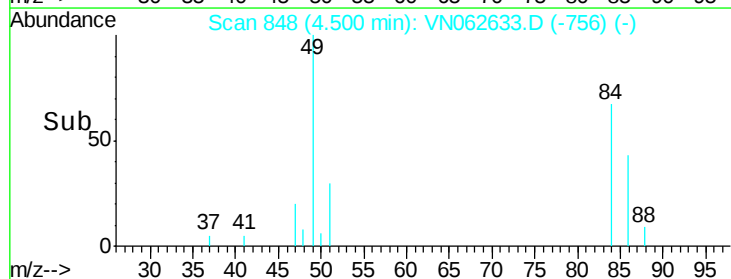
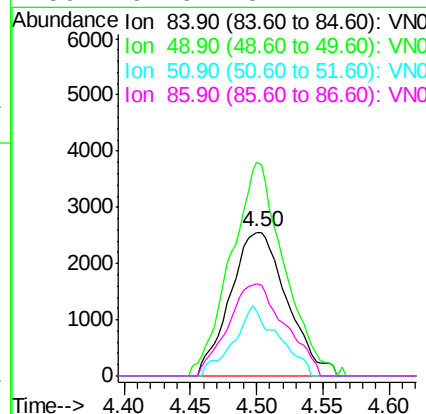
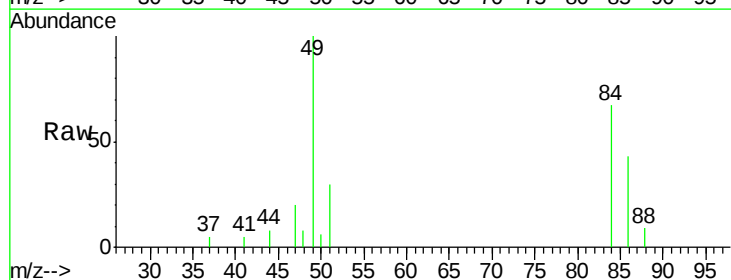
Instrument :
MSVOA_N
ClientSampleId :

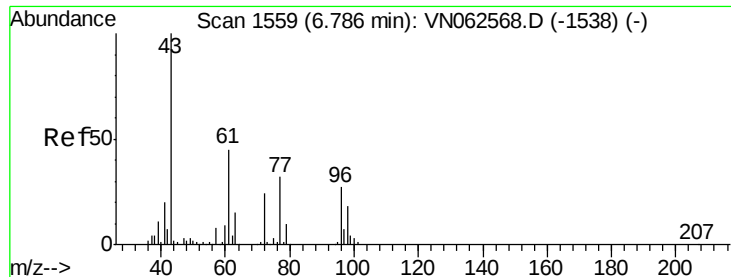
Tot Ion: 43 Resp: 2526
Ion Ratio Lower Upper
43 100
74 41.0 16.6 24.8#



#20
Methylene Chloride
Concen: 3.967 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062633.D
Acq: 28 Jul 2020 15:55

Tgt Ion: 84 Resp: 7648
Ion Ratio Lower Upper
84 100
49 142.7 109.4 164.0
51 45.1 33.6 50.4
86 64.6 51.4 77.2





#25

2-Butanone

Concen: 0.670 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

Instrument :

MSVOA_N

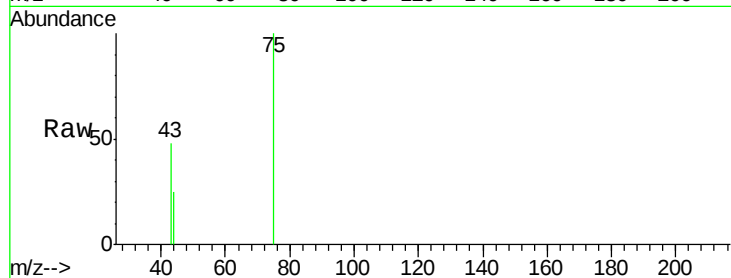
ClientSampled :

Tot Ion: 43 Resp: 820

Ion Ratio Lower Upper

43 100

72 0.0 19.0 28.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

400

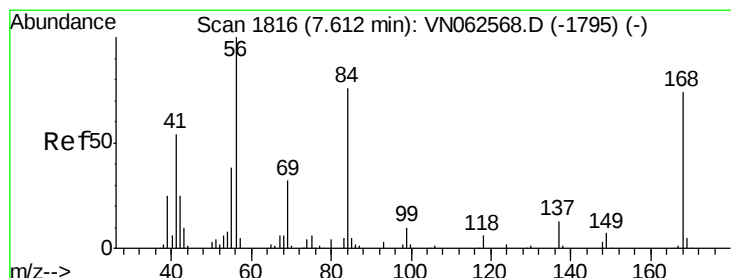
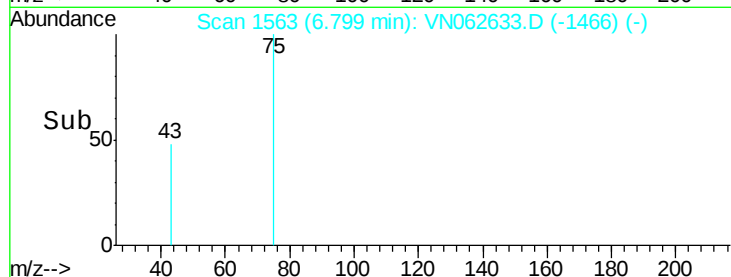
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.076 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

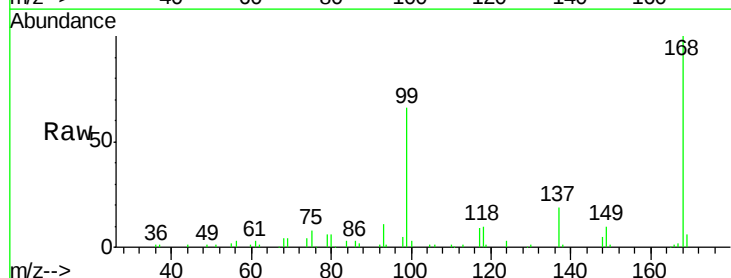
Tgt Ion: 56 Resp: 3388

Ion Ratio Lower Upper

56 100

69 171.1 25.3 37.9#

84 102.7 61.0 91.4#



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

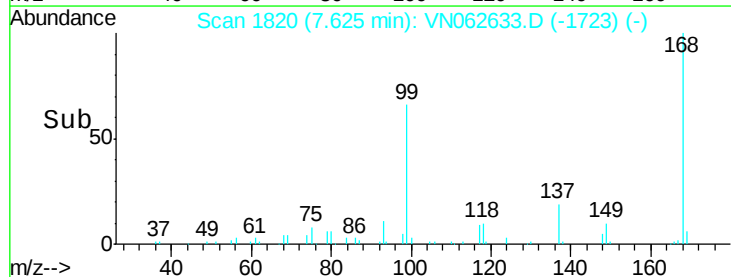
3000

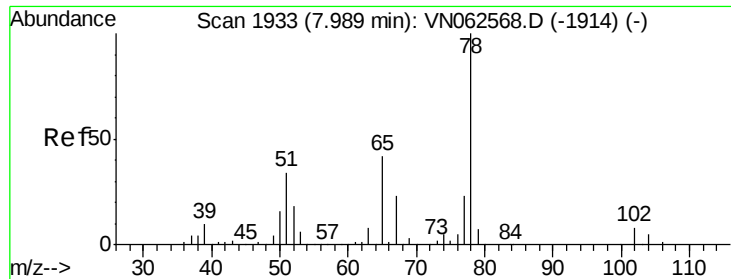
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 52.555 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

Instrument :

MSVOA_N

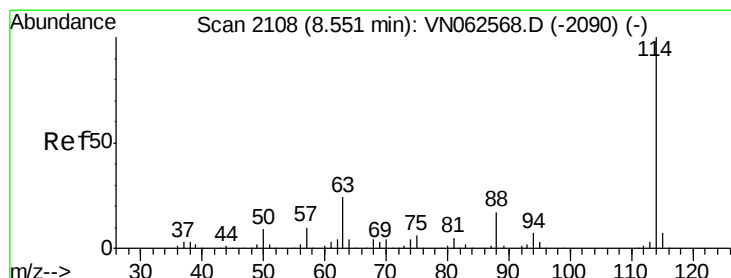
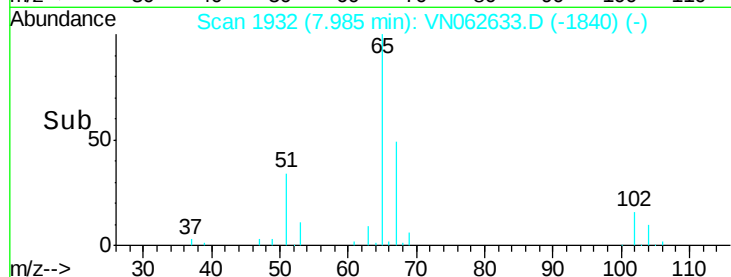
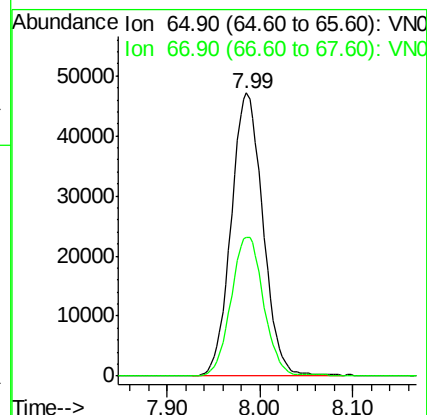
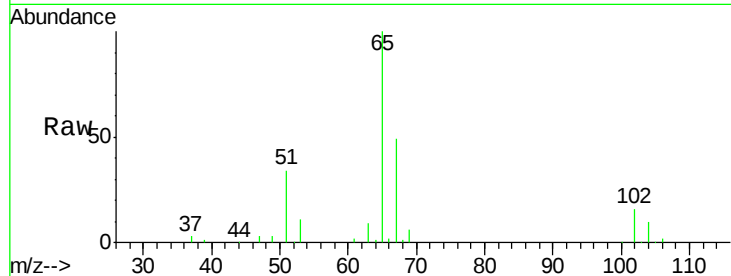
ClientSampleId :

Tot Ion: 65 Resp: 112259

Ion Ratio Lower Upper

65 100

67 50.2 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

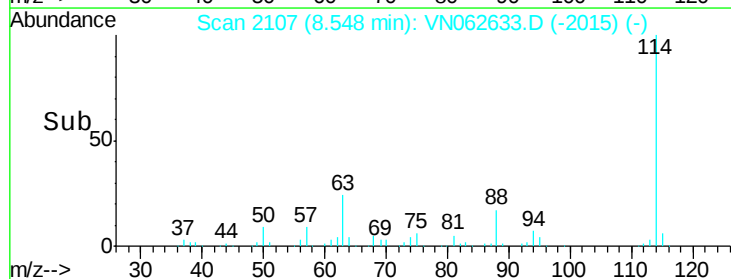
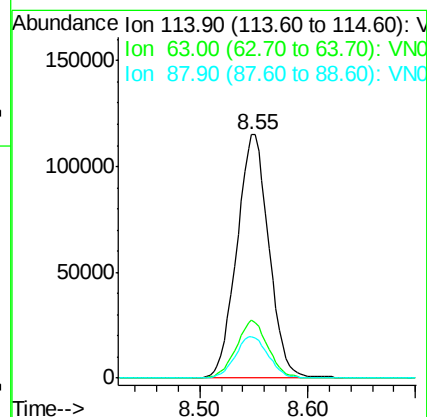
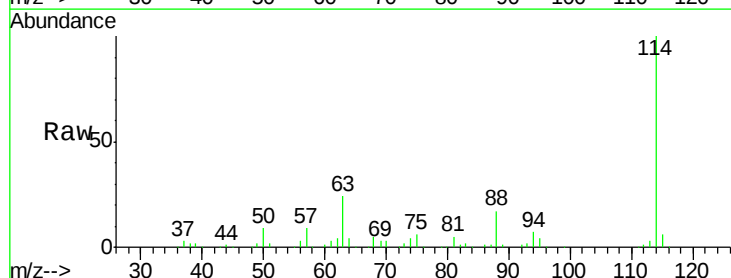
Tgt Ion: 114 Resp: 238400

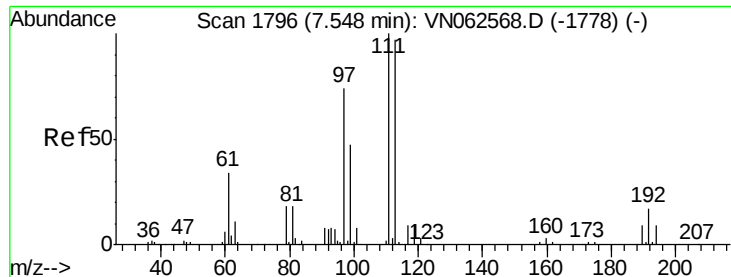
Ion Ratio Lower Upper

114 100

63 23.6 0.0 48.4

88 17.2 0.0 33.8

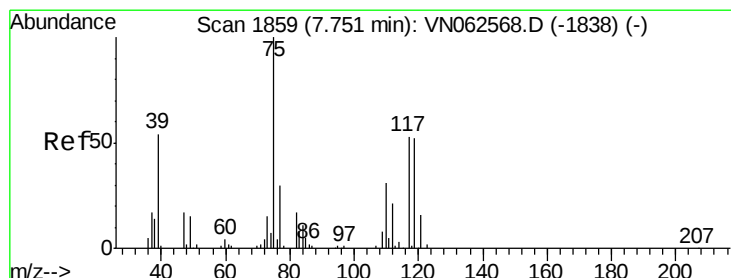
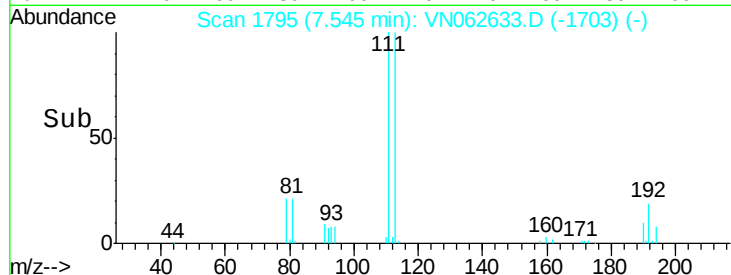
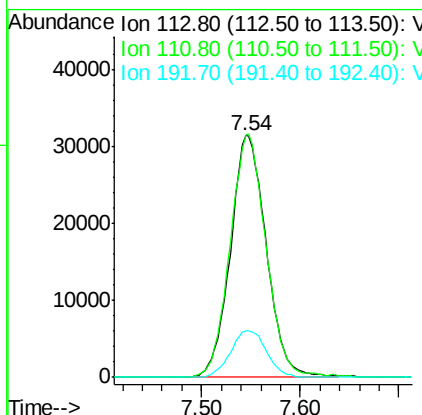
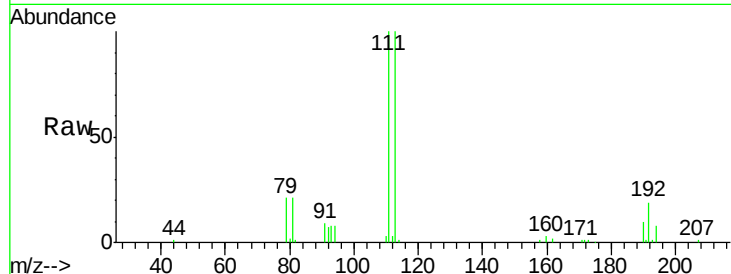




#35
Dibromofluoromethane
Concen: 50.634 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN062633.D
Acq: 28 Jul 2020 15:55

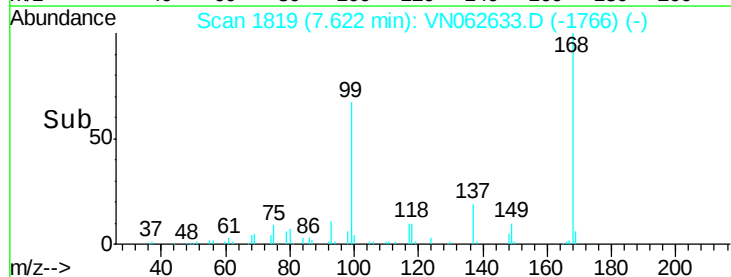
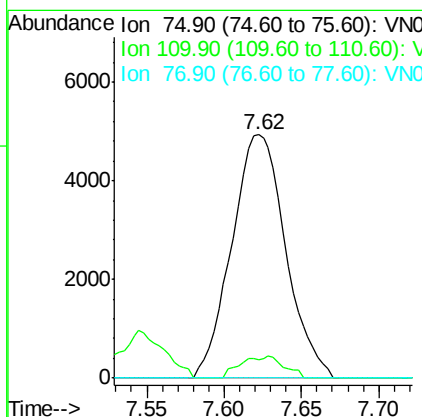
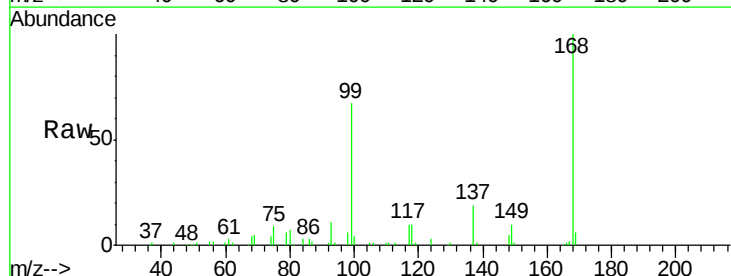
Instrument :
MSVOA_N
ClientSampled :

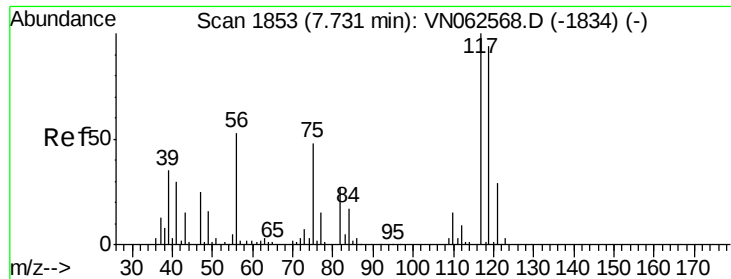
Tot Ion:113 Resp: 79290
Ion Ratio Lower Upper
113 100
111 100.0 82.7 124.1
192 19.3 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.697 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. -0.13 min
Lab File: VN062633.D
Acq: 28 Jul 2020 15:55

Tgt Ion: 75 Resp: 11936
Ion Ratio Lower Upper
75 100
110 3.5 16.0 48.0#
77 0.0 24.6 36.8#

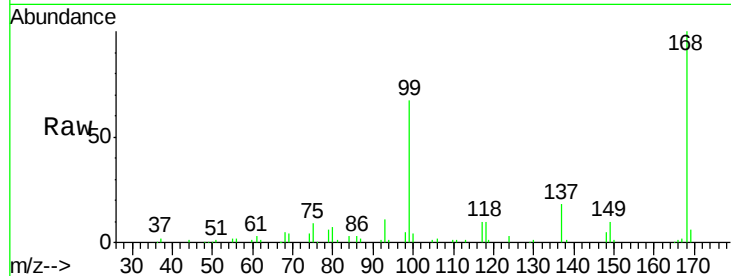




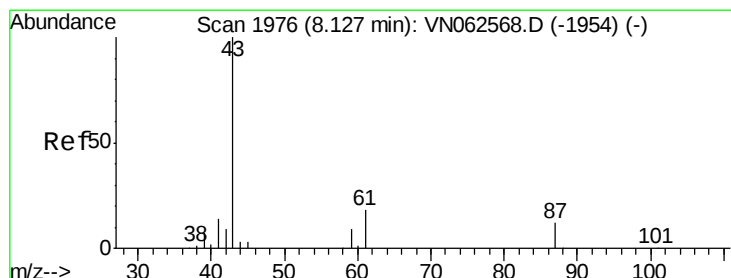
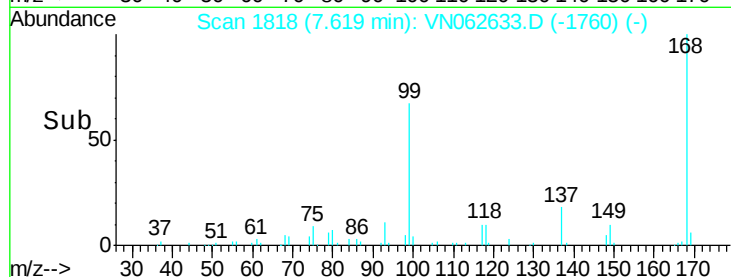
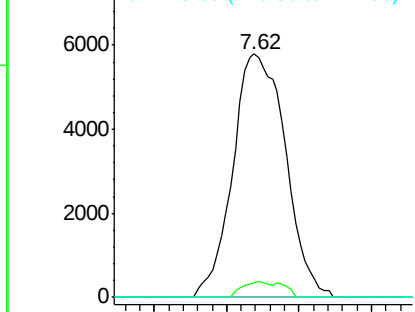
#38
Carbon Tetrachloride
Concen: 5.989 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. -0.11 min
Lab File: VN062633.D
Acq: 28 Jul 2020 15:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 14628
Ion Ratio Lower Upper
117 100
119 5.8 74.8 112.2#
121 0.0 23.0 34.6#

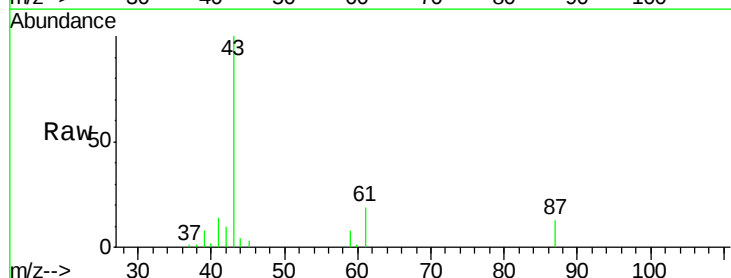


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

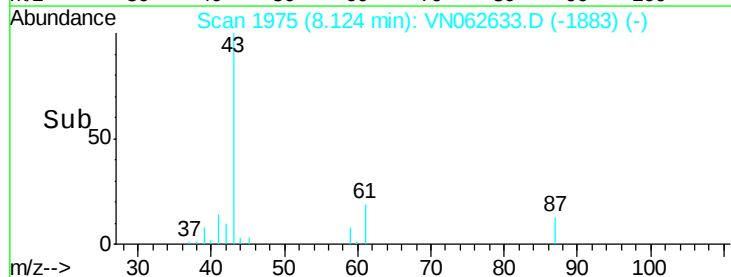
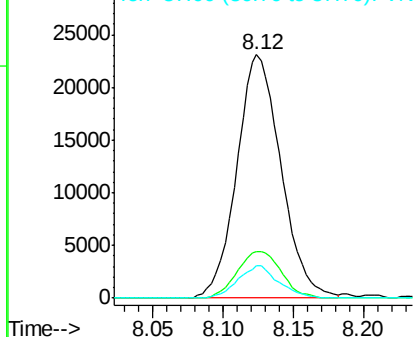


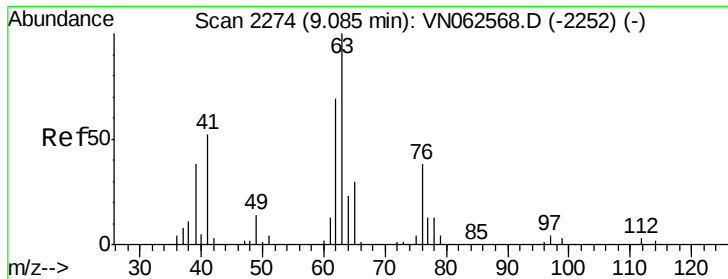
#43
Isopropyl Acetate
Concen: 11.459 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062633.D
Acq: 28 Jul 2020 15:55

Tgt Ion: 43 Resp: 50599
Ion Ratio Lower Upper
43 100
61 19.1 20.8 31.2#
87 12.2 9.2 13.8



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: 0.461 ug/l

RT: 9.23 min Scan# 2319

Delta R.T. 0.14 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

Instrument :

MSVOA_N

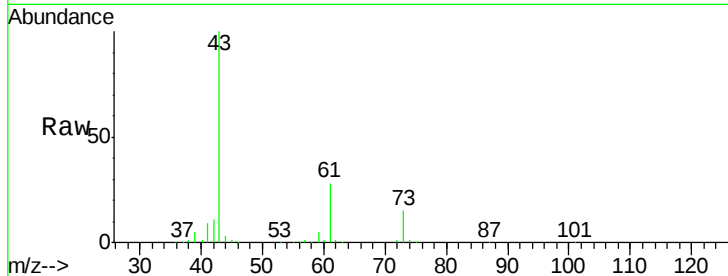
ClientSampleId :

Tot Ion: 63 Resp: 996

Ion Ratio Lower Upper

63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.23

500

400

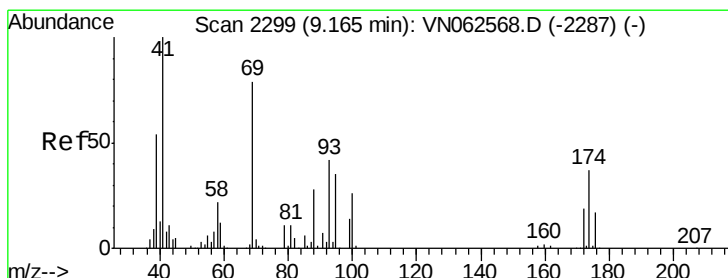
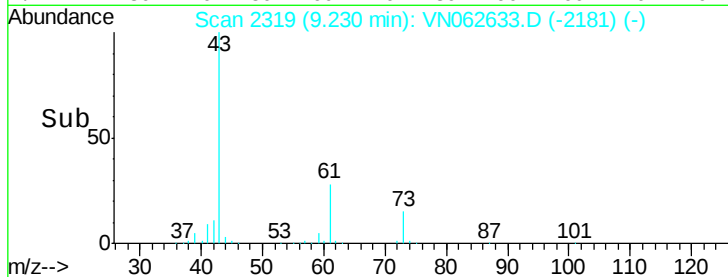
300

200

100

0

Time-->



#48

Methyl methacrylate

Concen: 1.287 ug/l

RT: 9.14 min Scan# 2291

Delta R.T. -0.03 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

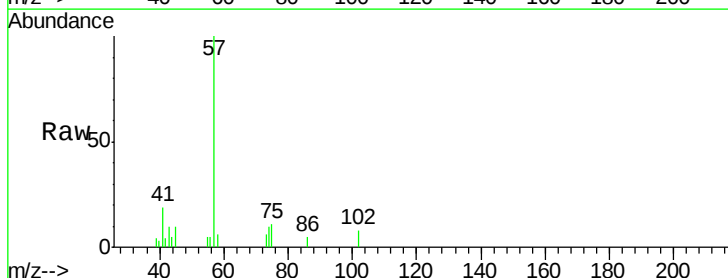
Tgt Ion: 41 Resp: 2701

Ion Ratio Lower Upper

41 100

69 0.0 64.4 96.6#

39 0.0 43.5 65.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

50000

40000

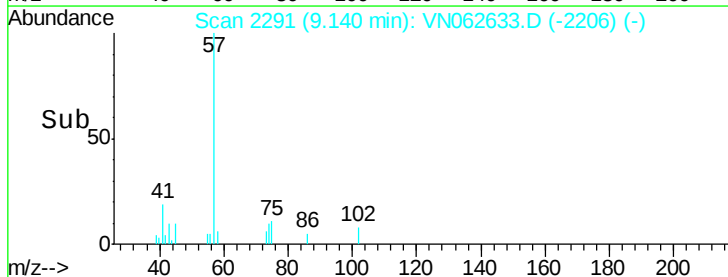
30000

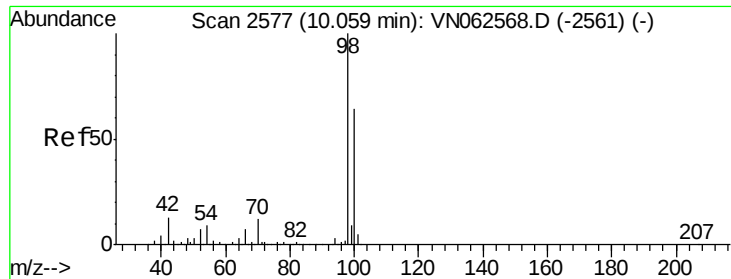
20000

10000

0

Time-->





#50

Toluene-d8

Concen: 50.328 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

Instrument :

MSVOA_N

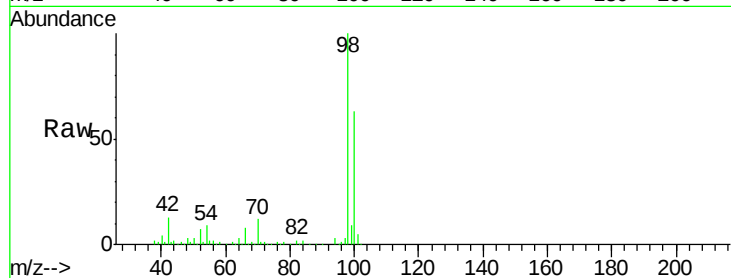
ClientSampled :

Tot Ion: 98 Resp: 314452

Ion Ratio Lower Upper

98 100

100 64.3 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VN062568.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN062568.D (-2561) (-)

10.06

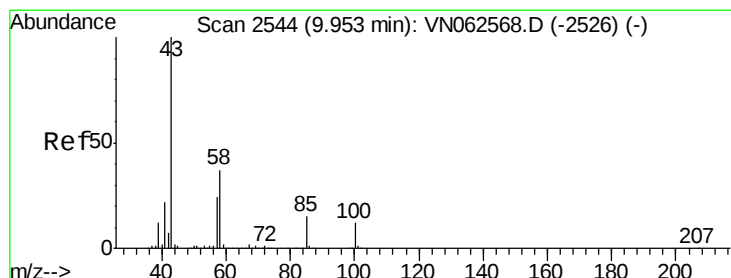
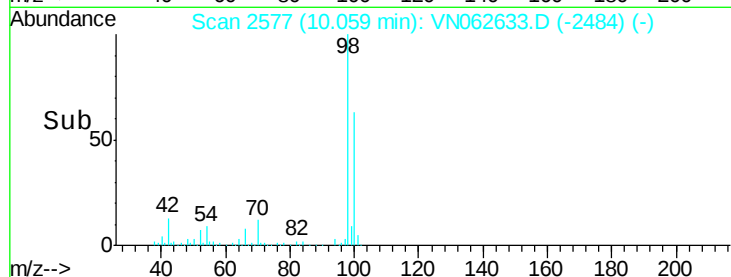
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.006 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN062633.D

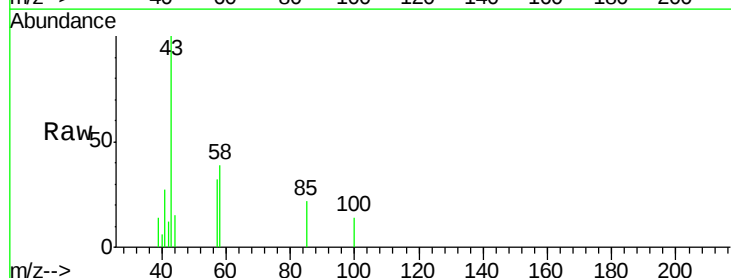
Acq: 28 Jul 2020 15:55

Tgt Ion: 43 Resp: 5300

Ion Ratio Lower Upper

43 100

58 30.1 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN062568.D (-2526) (-)

Ion 58.00 (57.70 to 58.70): VN062568.D (-2526) (-)

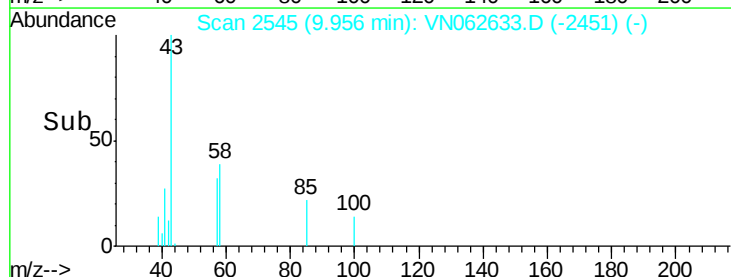
6000

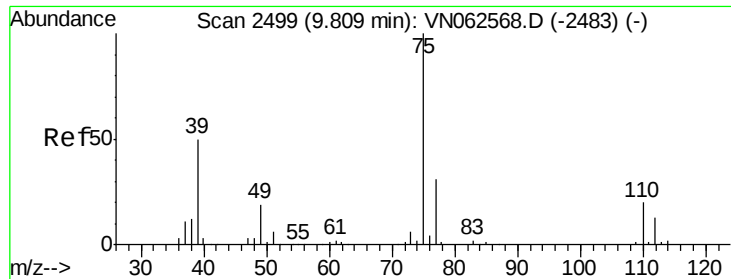
4000

2000

0

Time-->



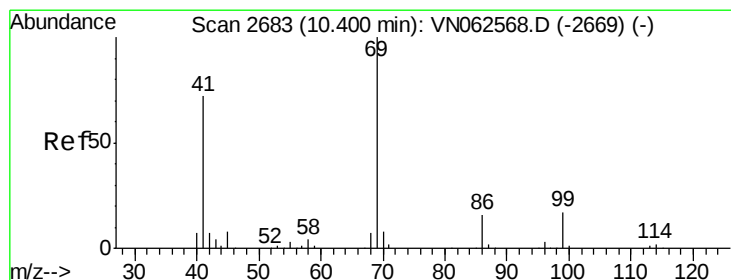
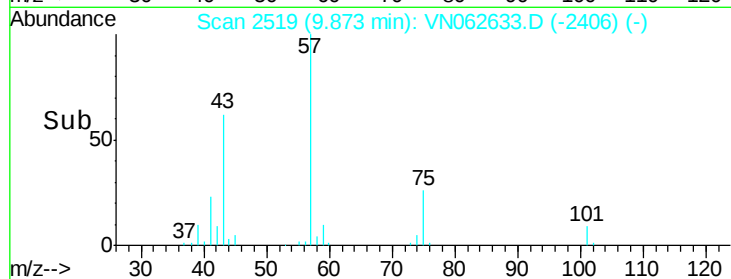
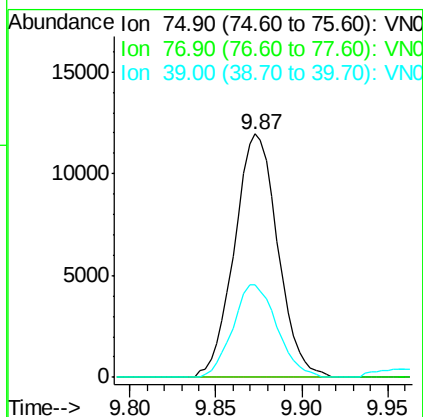
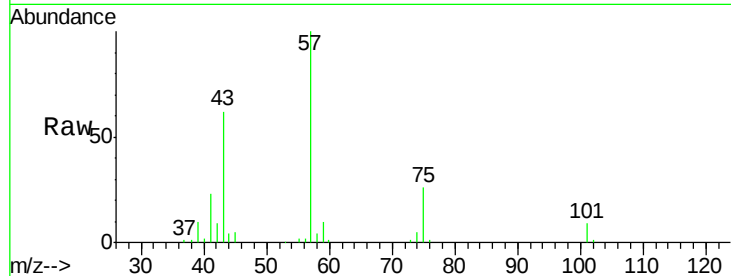


#54

cis-1,3-Dichloropropene
 Concen: 6.477 ug/l
 RT: 9.87 min Scan# 2519
 Delta R.T. 0.06 min
 Lab File: VN062633.D
 Acq: 28 Jul 2020 15:55

Instrument :
 MSVOA_N
 ClientSampleId :

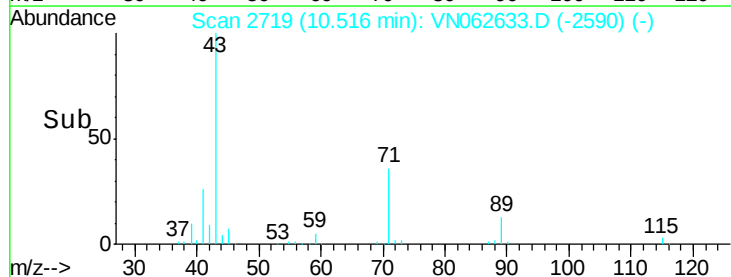
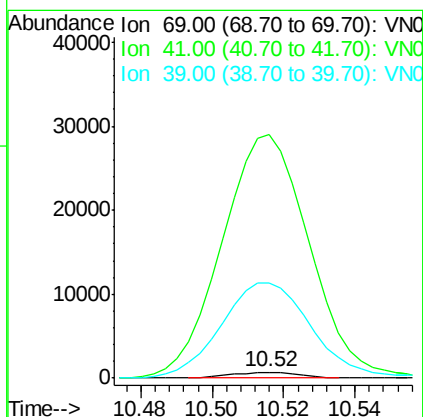
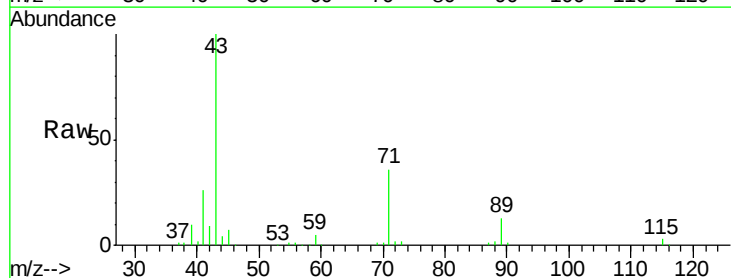
Tot Ion: 75 Resp: 20926
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 37.8 39.8 59.8#

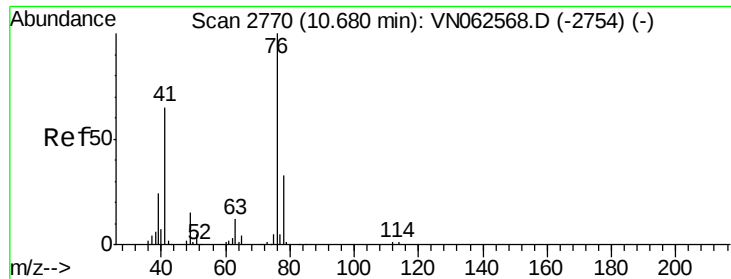


#56

Ethyl methacrylate
 Concen: 2.033 ug/l
 RT: 10.52 min Scan# 2719
 Delta R.T. 0.12 min
 Lab File: VN062633.D
 Acq: 28 Jul 2020 15:55

Tgt Ion: 69 Resp: 850
 Ion Ratio Lower Upper
 69 100
 41 5796.9 57.2 85.8#
 39 2361.5 28.6 43.0#

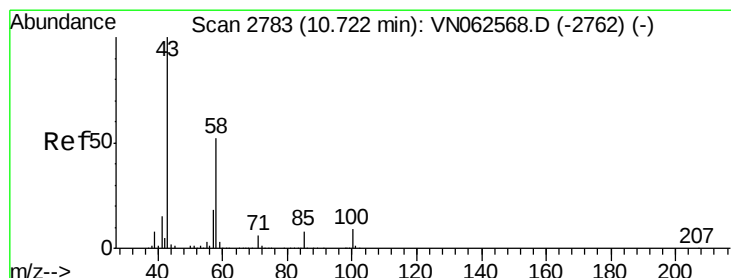
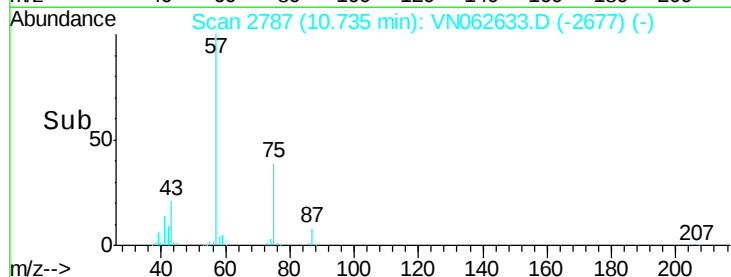
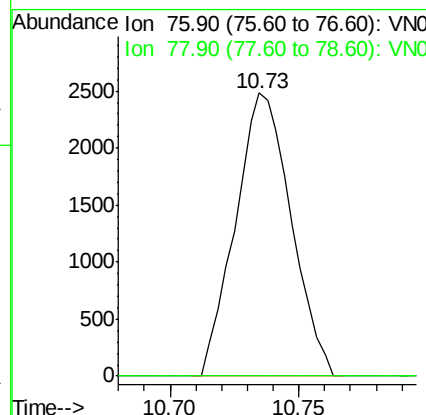
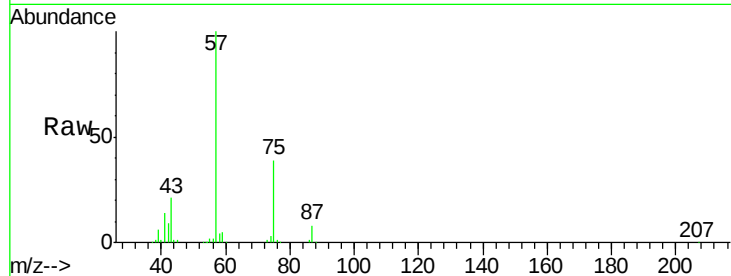




#57
 1,3-Dichloropropane
 Concen: 1.172 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.05 min
 Lab File: VN062633.D
 Acq: 28 Jul 2020 15:55

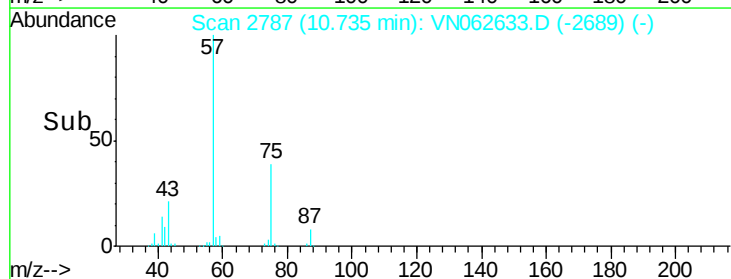
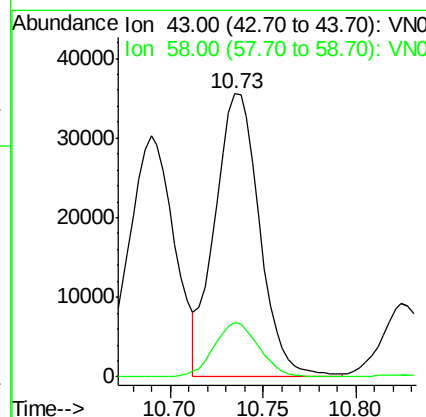
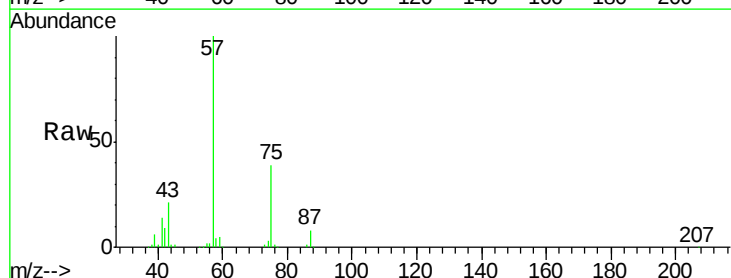
Instrument :
 MSVOA_N
 ClientSampled :

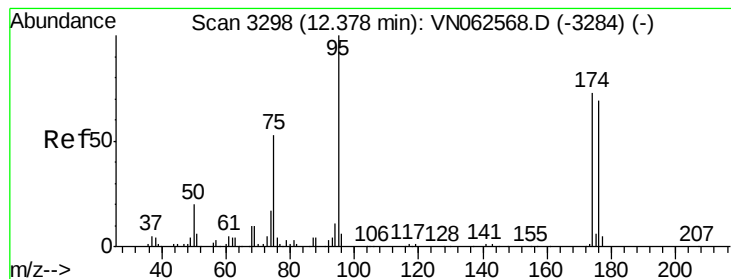
Tot Ion: 76 Resp: 3720
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.3 39.5#



#59
 2-Hexanone
 Concen: 31.533 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: VN062633.D
 Acq: 28 Jul 2020 15:55

Tgt Ion: 43 Resp: 59086
 Ion Ratio Lower Upper
 43 100
 58 19.3 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 51.549 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

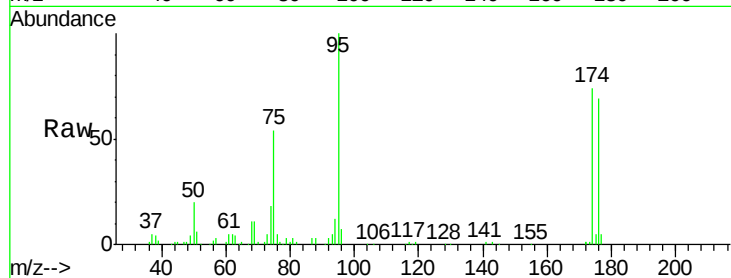
Tot Ion: 95 Resp: 117765

Ion Ratio Lower Upper

95 100

174 73.3 0.0 144.6

176 70.6 0.0 139.4

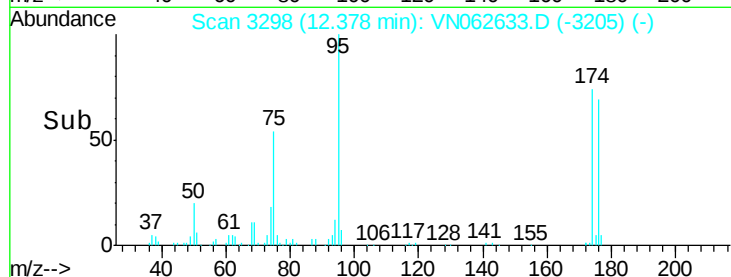


Abundance Ion 94.90 (94.60 to 95.60): VN062568.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062568.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062568.D (-3284) (-)

Time-->

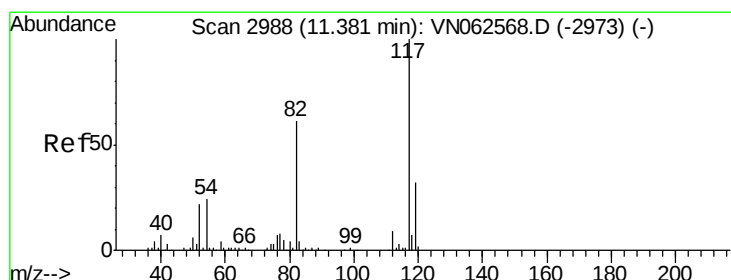


Abundance Ion 94.90 (94.60 to 95.60): VN062633.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062633.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062633.D (-3205) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

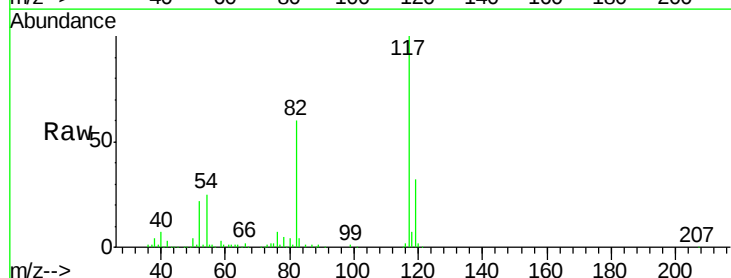
Tgt Ion: 117 Resp: 241158

Ion Ratio Lower Upper

117 100

82 60.5 49.0 73.6

119 32.3 25.4 38.2

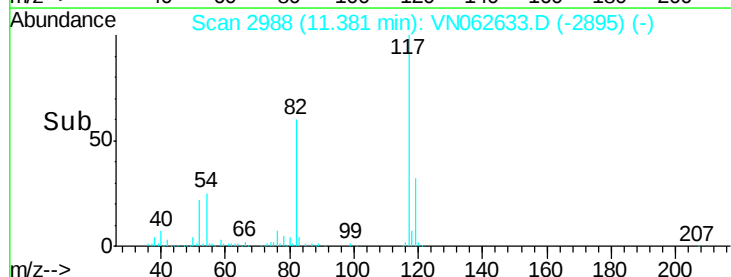


Abundance Ion 116.90 (116.60 to 117.60): VN062568.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN062568.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062568.D (-2973) (-)

Time-->

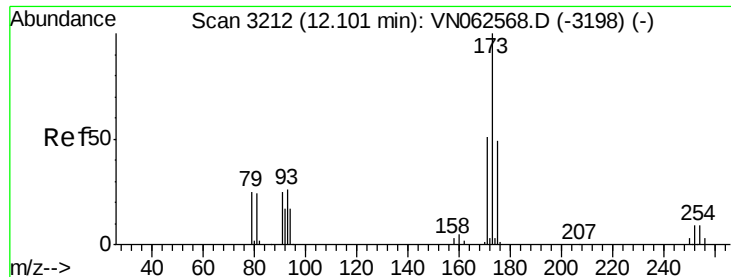


Abundance Ion 116.90 (116.60 to 117.60): VN062633.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062633.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062633.D (-2895) (-)

Time-->



#71

Bromoform

Concen: 0.217 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

Instrument :

MSVOA_N

ClientSampleId :

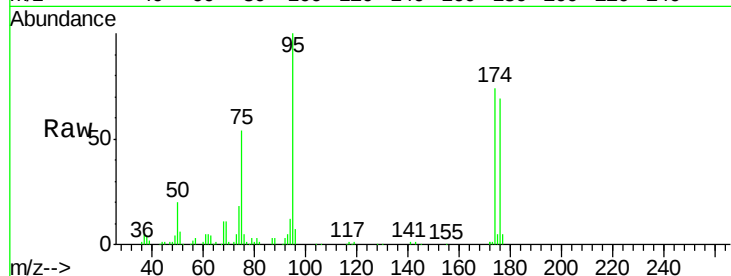
Tot Ion:173 Resp: 310

Ion Ratio Lower Upper

173 100

175 1759.0 24.1 72.2#

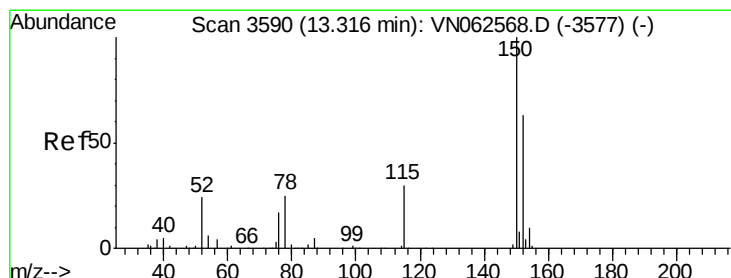
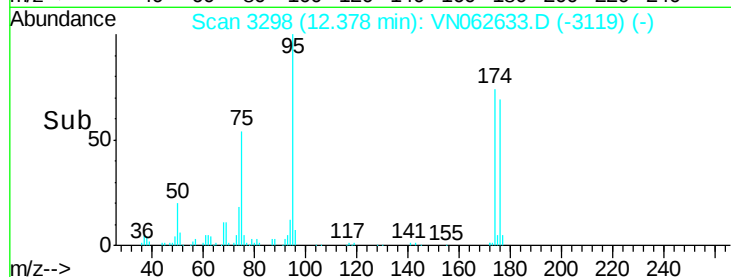
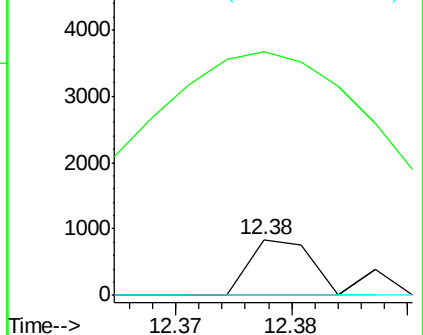
254 0.0 0.0 0.0



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# 3591

Delta R.T. 0.00 min

Lab File: VN062633.D

Acq: 28 Jul 2020 15:55

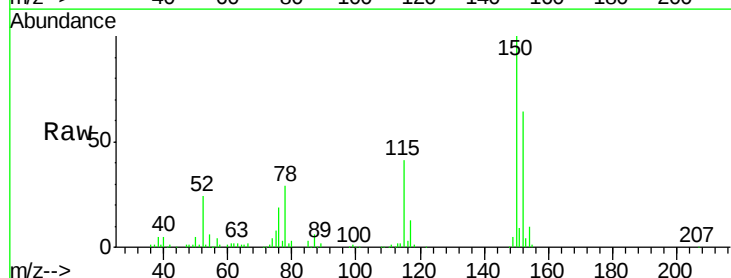
Tgt Ion:152 Resp: 92503

Ion Ratio Lower Upper

152 100

115 63.6 31.8 95.4

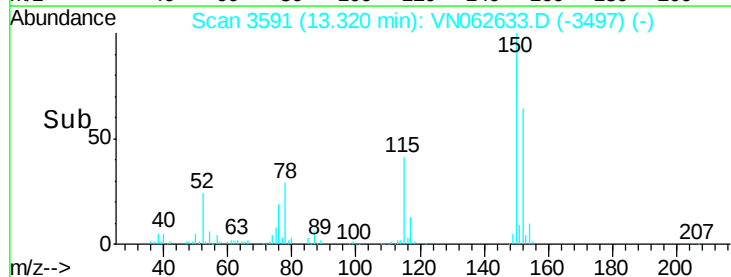
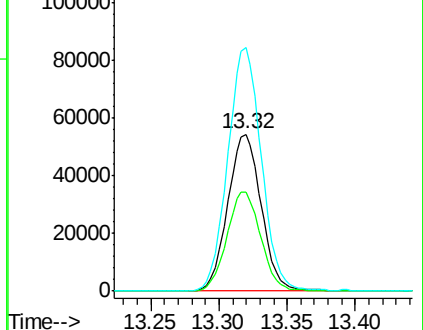
150 156.0 0.0 351.4

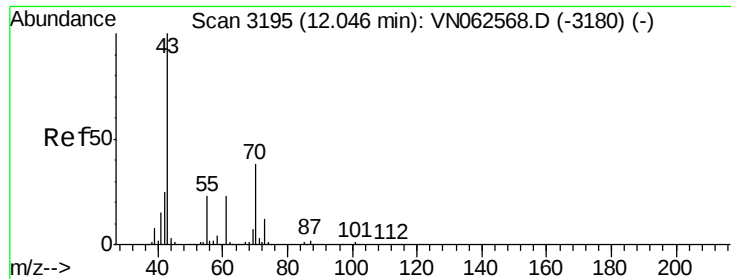


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

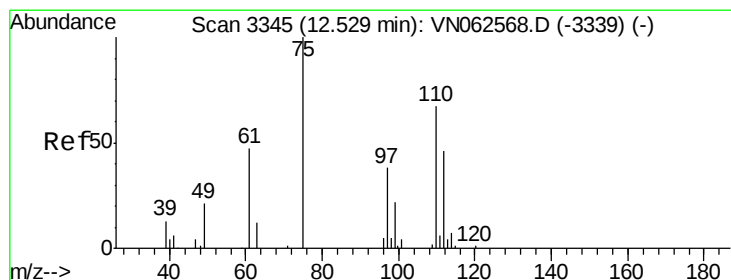
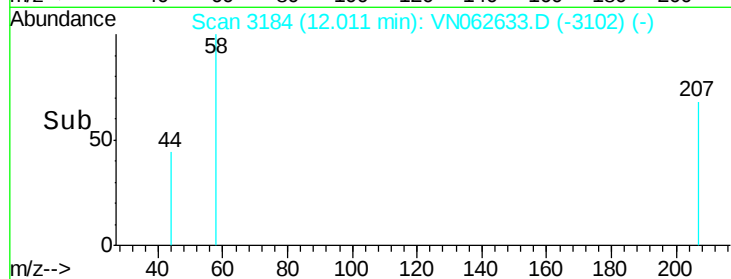
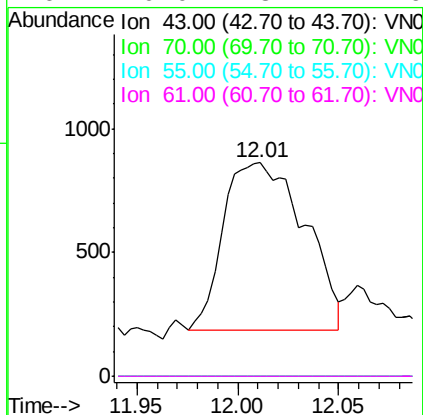
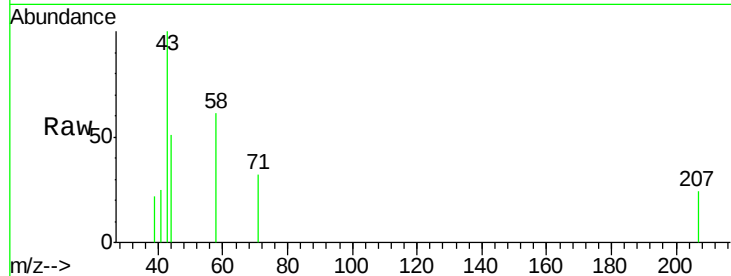




#74
N-amvl acetate
Concen: 0.580 ug/l
RT: 12.01 min Scan# 3184
Delta R.T. -0.04 min
Lab File: VN062633.D
Acq: 28 Jul 2020 15:55

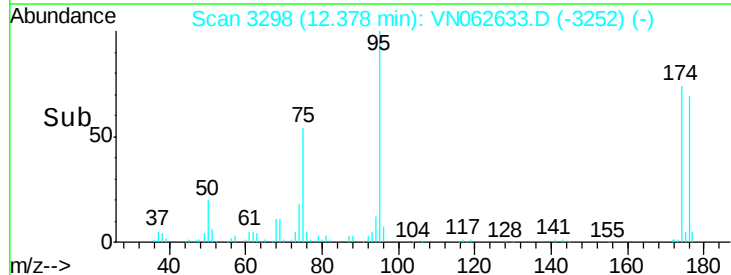
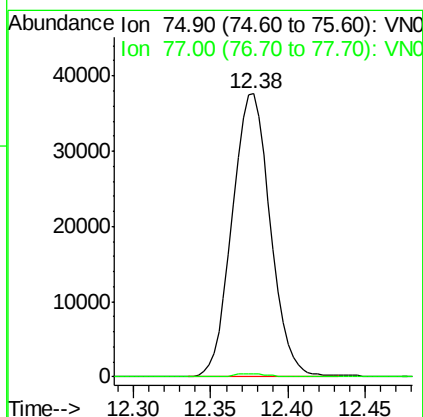
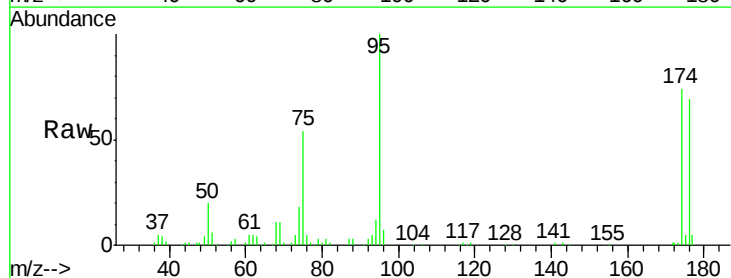
Instrument :
MSVOA_N
ClientSampleId :

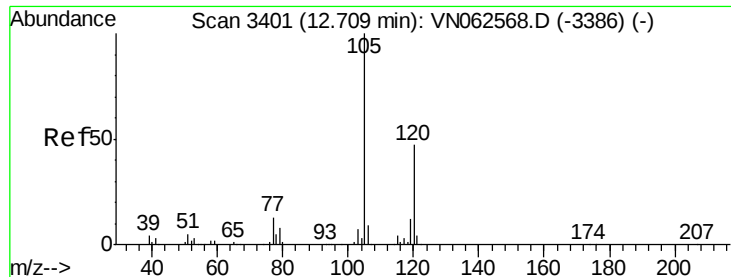
Tot Ion: 43 Resp: 1894
Ion Ratio Lower Upper
43 100
70 0.0 30.5 45.7#
55 0.0 19.0 28.6#
61 0.0 18.4 27.6#



#76
1,2,3-Trichloropropane
Concen: 27.437 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062633.D
Acq: 28 Jul 2020 15:55

Tgt Ion: 75 Resp: 64601
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

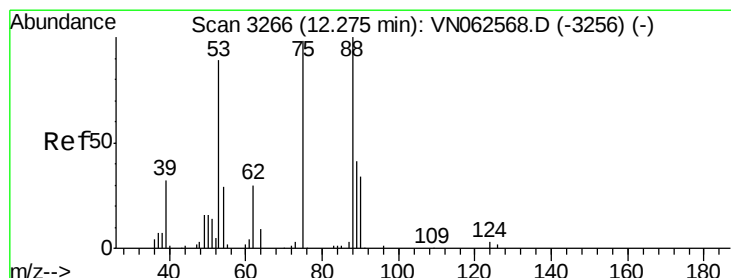
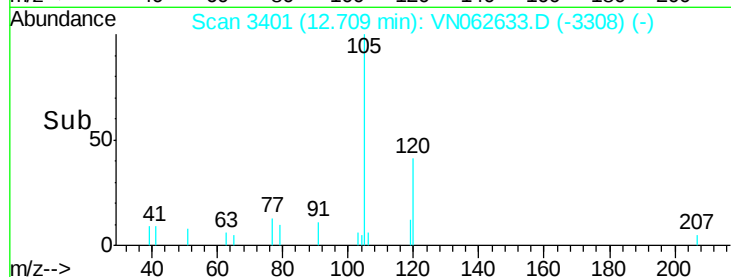
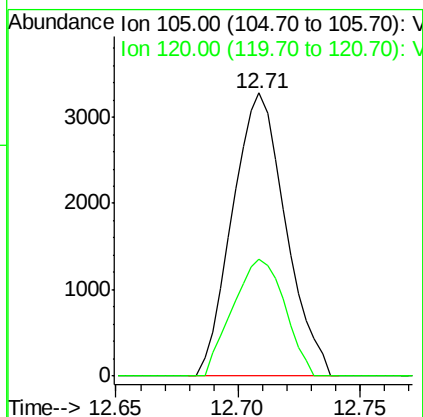
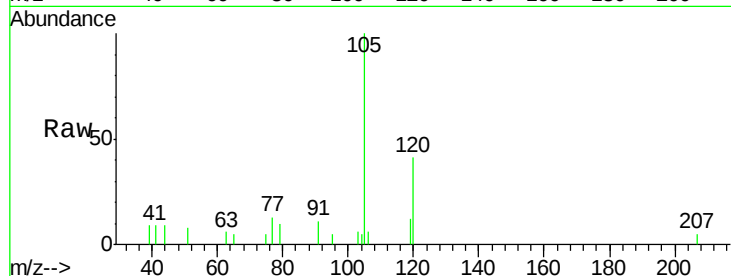




#80
 1,3,5-Trimethylbenzene
 Concen: 0.818 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062633.D
 Acq: 28 Jul 2020 15:55

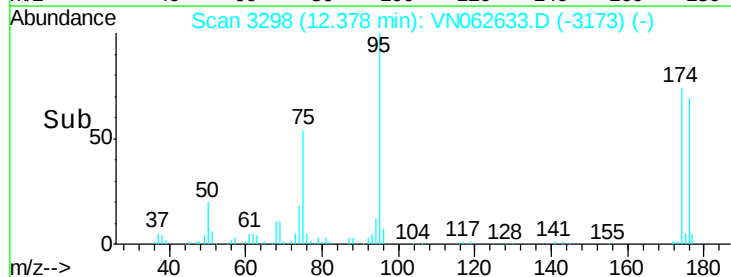
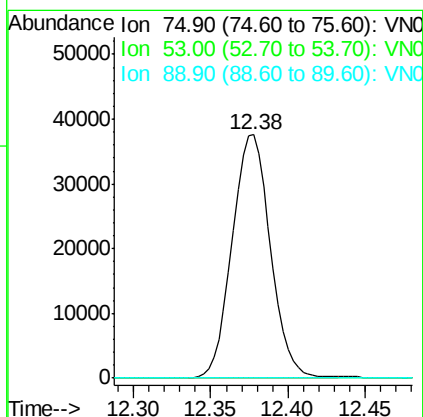
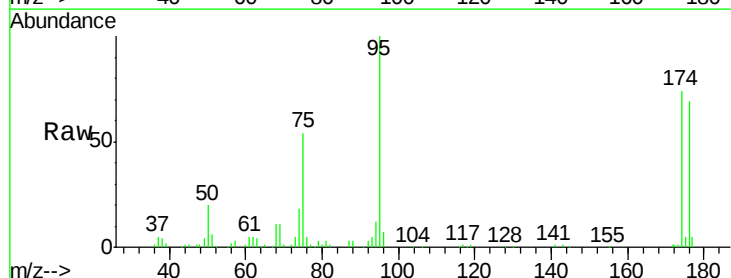
Instrument :
 MSVOA_N
 ClientSampleId :

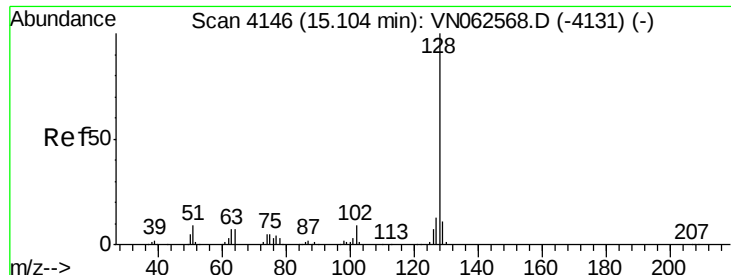
Tot Ion:105 Resp: 4960
 Ion Ratio Lower Upper
 105 100
 120 40.3 23.2 69.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.378 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062633.D
 Acq: 28 Jul 2020 15:55

Tgt Ion: 75 Resp: 64601
 Ion Ratio Lower Upper
 75 100
 53 0.0 75.4 113.0#
 89 0.0 34.5 51.7#

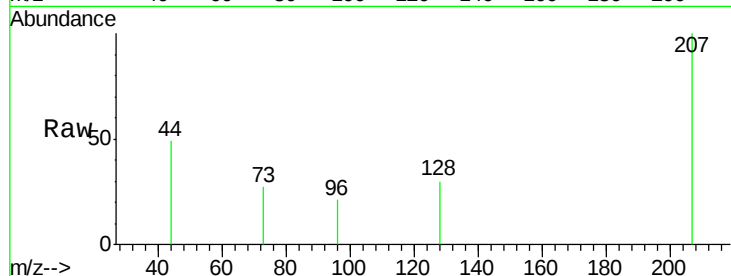




#95
Naphthalene
Concen: 3.812 ug/l
RT: 15.11 min Scan# 4149
Delta R.T. 0.01 min
Lab File: VN062633.D
Acq: 28 Jul 2020 15:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

