

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072820\
 Data File : VN062640.D
 Acq On : 28 Jul 2020 18:44
 Operator : JC/MD
 Sample : L3432-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 29 04:30:44 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	158691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	280890	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	273605	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	90714	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	130244	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	
35) Dibromofluoromethane	7.55	113	92391	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.06	98	364954	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.38	95	122371	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	

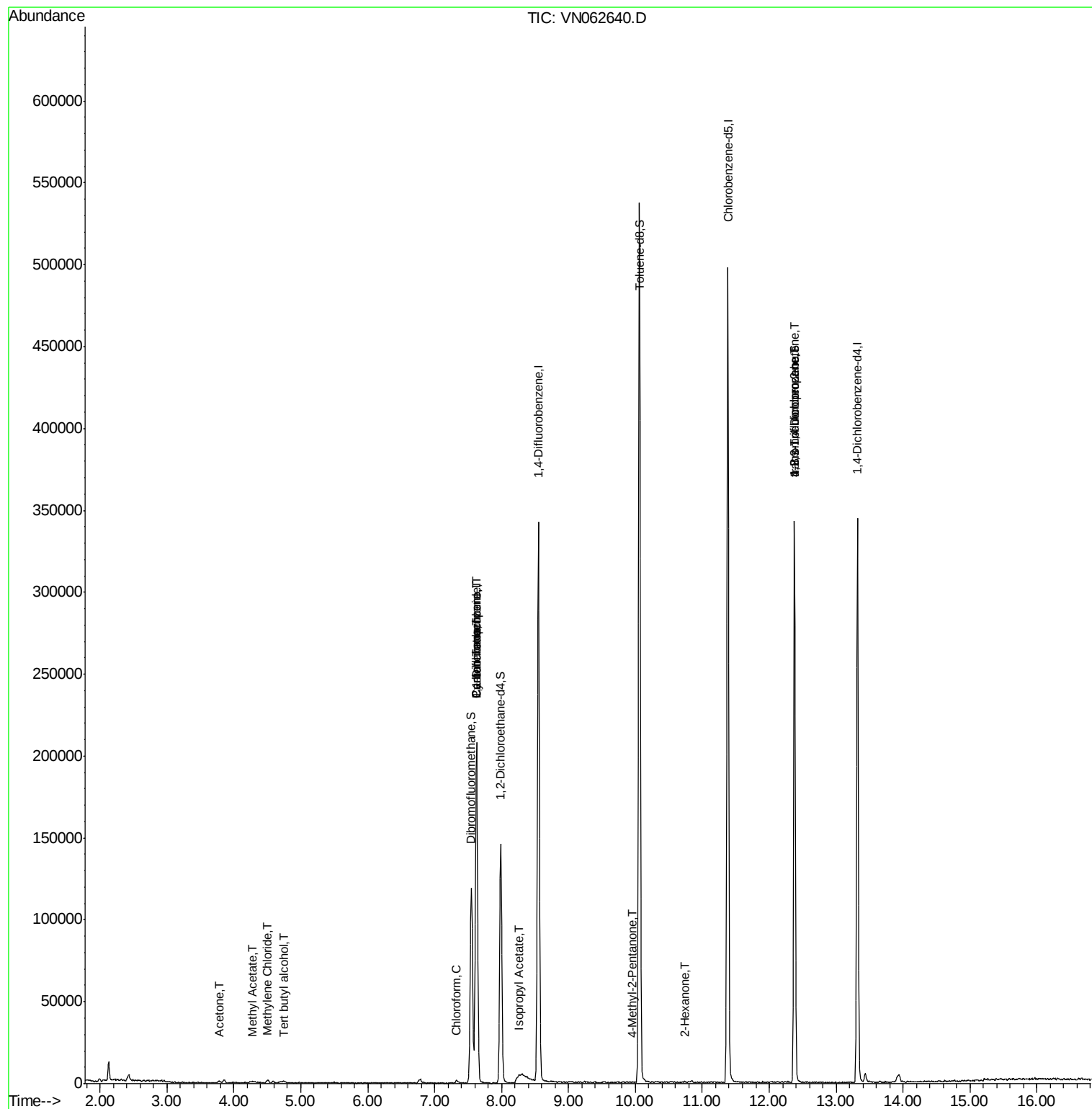
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	2083	5.312	ug/l #	73
16) Acetone	3.78	43	1423	1.534	ug/l	93
18) Methyl Acetate	4.28	43	676	0.288	ug/l #	75
20) Methylene Chloride	4.50	84	1319	0.593	ug/l #	80
30) Chloroform	7.34	83	2017	0.539	ug/l #	77
31) Cyclohexane	7.63	56	3932	1.082	ug/l #	3
36) 1,1-Dichloropropene	7.63	75	13904	4.644	ug/l #	51
38) Carbon Tetrachloride	7.63	117	17025	5.916	ug/l #	17
43) Isopropyl Acetate	8.27	43	5606	1.078	ug/l #	55
51) 4-Methyl-2-Pentanone	9.96	43	702	0.226	ug/l #	38
59) 2-Hexanone	10.73	43	499	3.164	ug/l #	26
76) 1,2,3-Trichloropropane	12.38	75	66987	29.011	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	66987	80.761	ug/l #	12

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

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Quant Time: Jul 29 04:30:44 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: VN062640.D

Acq: 28 Jul 2020 18:44

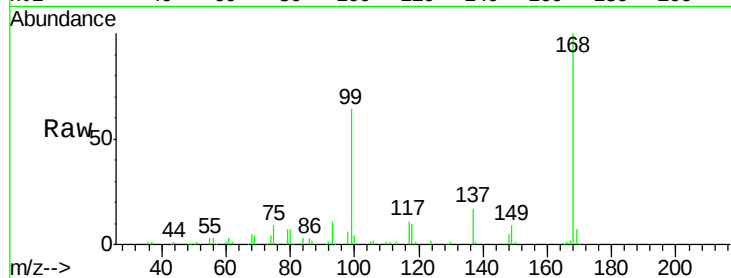
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 158691

Ion Ratio Lower Upper

168 100

99 64.0 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

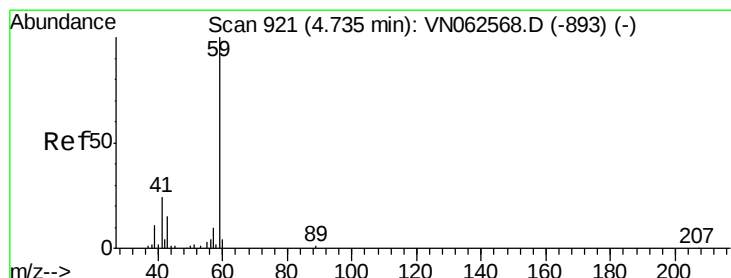
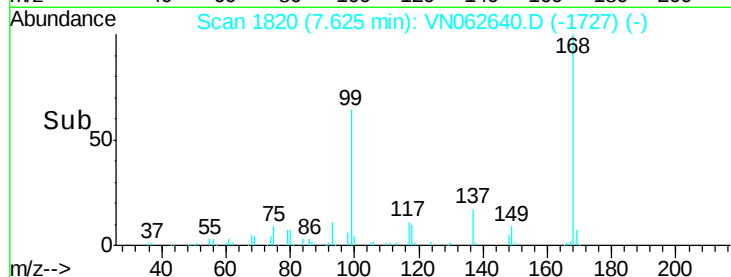
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 5.312 ug/l

RT: 4.73 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN062640.D

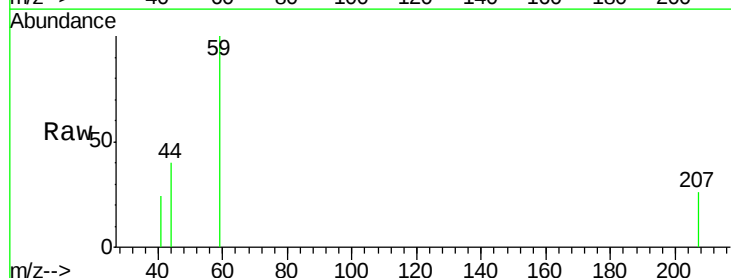
Acq: 28 Jul 2020 18:44

Tgt Ion: 59 Resp: 2083

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

800

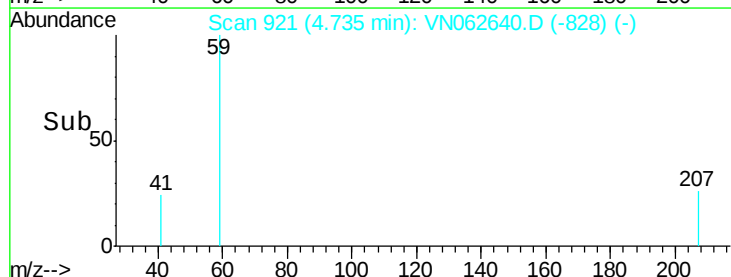
600

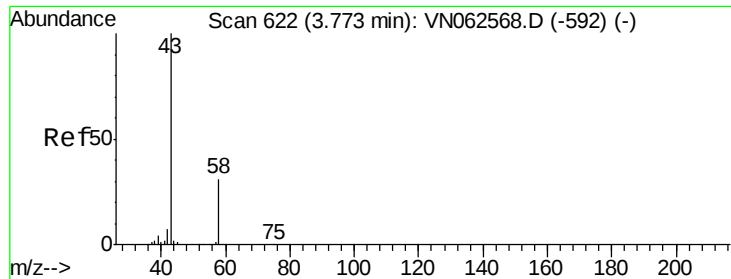
400

200

0

Time--> 4.70 4.75 4.80

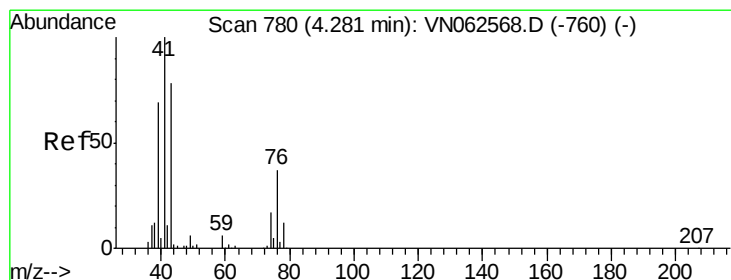
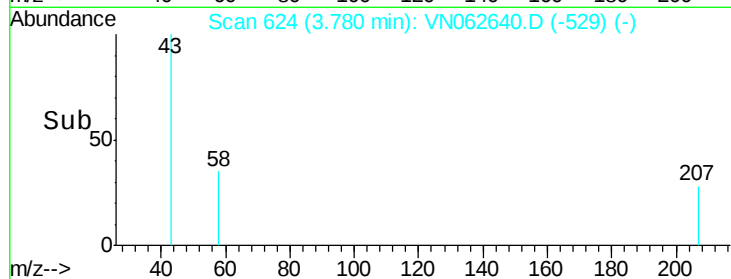
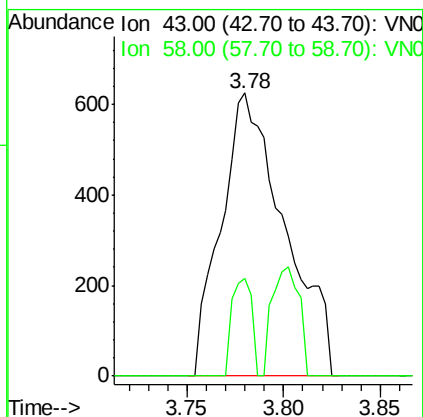
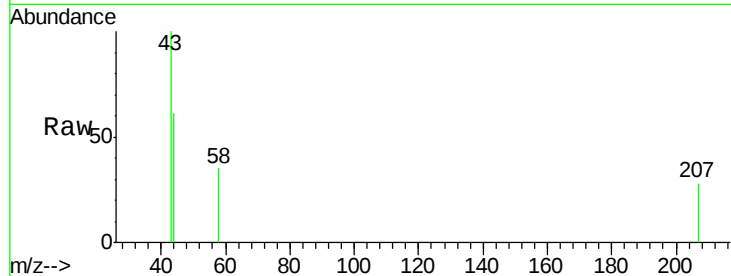




#16
Acetone
Concen: 1.534 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN062640.D
Acq: 28 Jul 2020 18:44

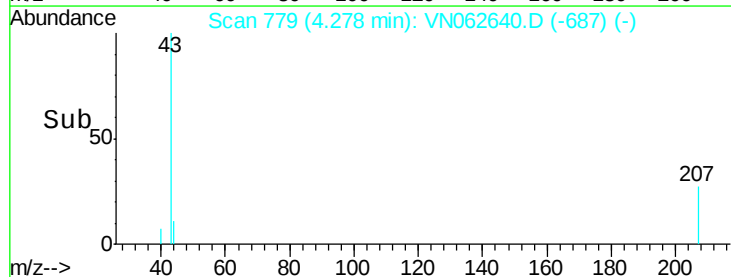
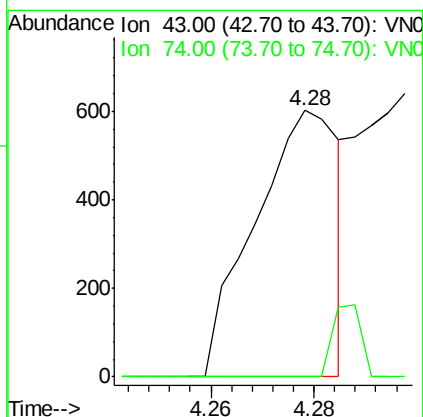
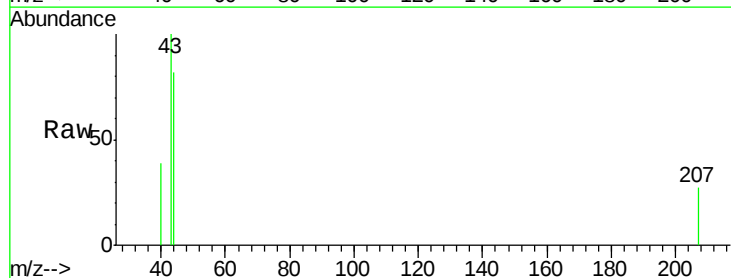
Instrument :
MSVOA_N
ClientSampleId :

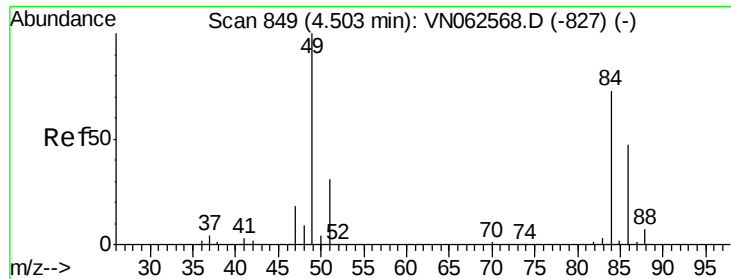
Tot Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
58 34.7 24.6 37.0



#18
Methyl Acetate
Concen: 0.288 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN062640.D
Acq: 28 Jul 2020 18:44

Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
74 9.2 16.6 24.8#

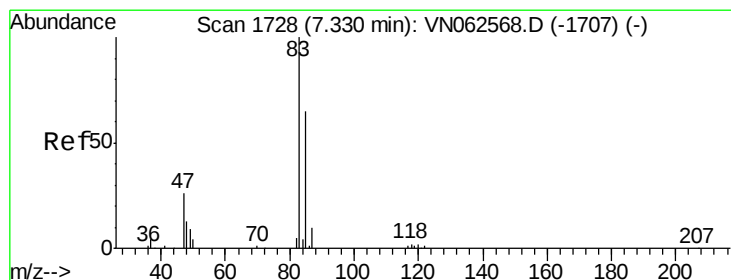
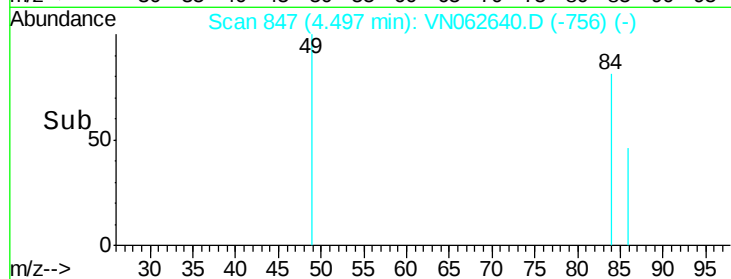
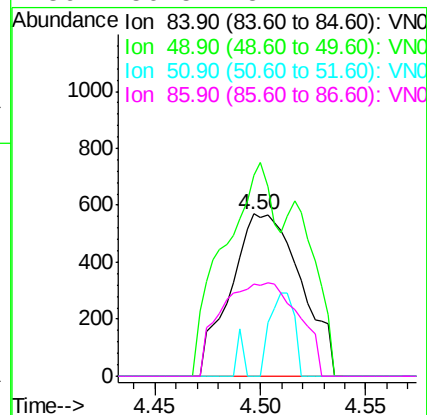
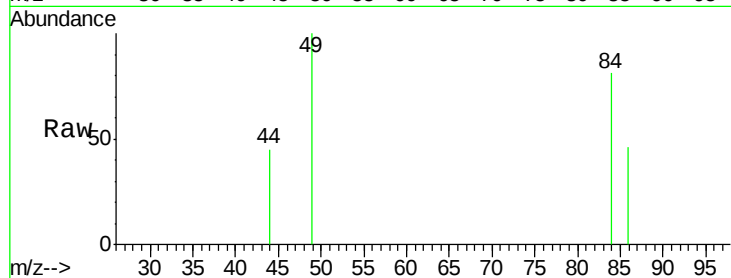




#20
Methvlene Chloride
Concen: 0.593 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN062640.D
Acq: 28 Jul 2020 18:44

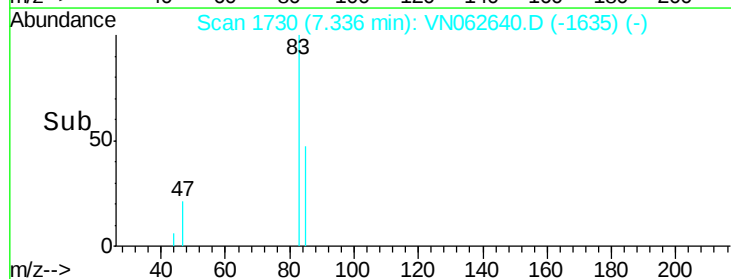
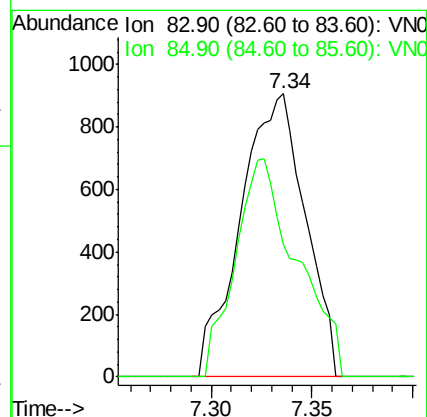
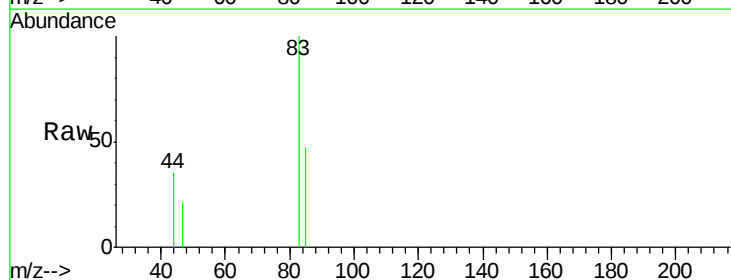
Instrument :
MSVOA_N
ClientSampleId :

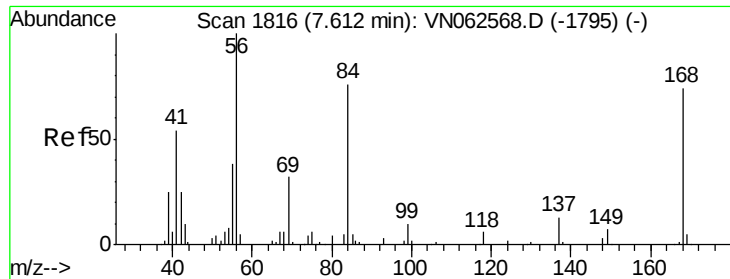
Tot Ion: 84 Resp: 1319
Ion Ratio Lower Upper
84 100
49 124.0 109.4 164.0
51 0.0 33.6 50.4#
86 56.5 51.4 77.2



#30
Chloroform
Concen: 0.539 ug/l
RT: 7.34 min Scan# 1730
Delta R.T. 0.01 min
Lab File: VN062640.D
Acq: 28 Jul 2020 18:44

Tgt Ion: 83 Resp: 2017
Ion Ratio Lower Upper
83 100
85 46.6 52.0 78.0#

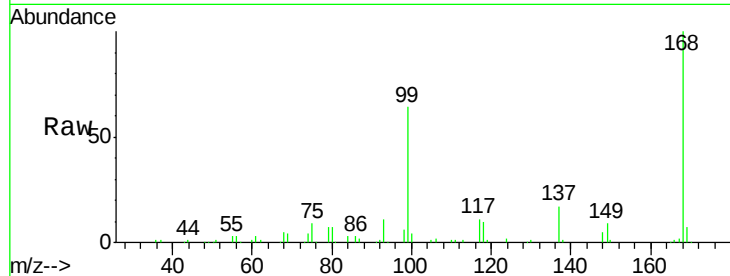




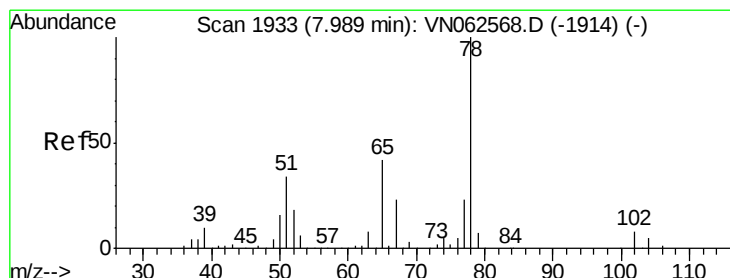
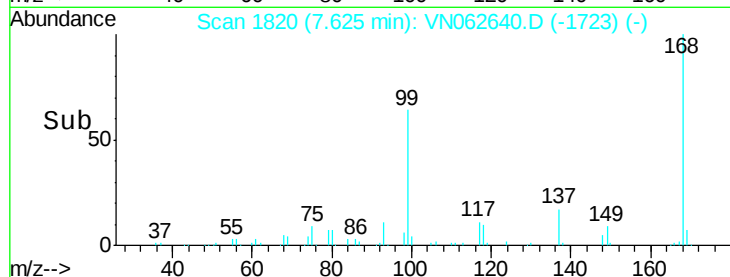
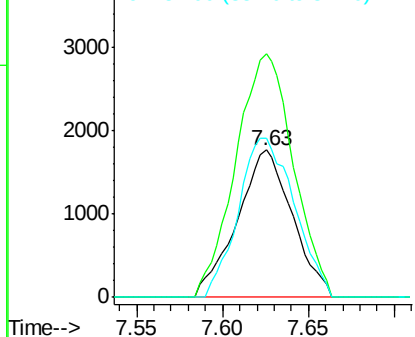
#31
Cyclohexane
Concen: 1.082 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062640.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3932
Ion Ratio Lower Upper
56 100
69 165.5 25.3 37.9#
84 108.4 61.0 91.4#

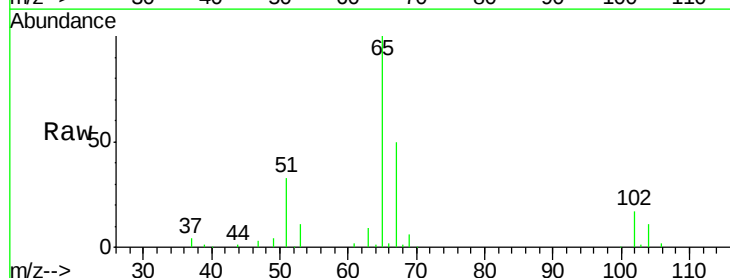


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

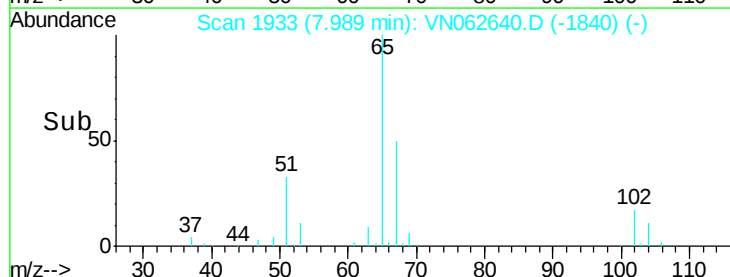
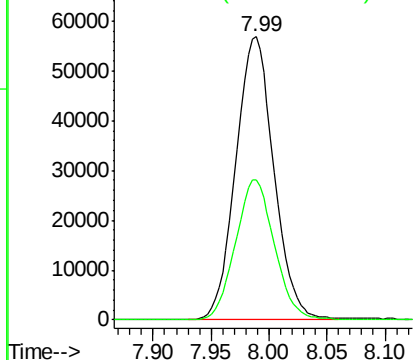


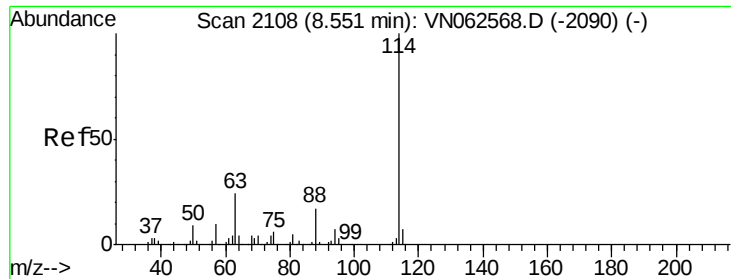
#33
1,2-Dichloroethane-d4
Concen: 52.833 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062640.D
Acq: 28 Jul 2020 18:44

Tgt Ion: 65 Resp: 130244
Ion Ratio Lower Upper
65 100
67 50.6 0.0 106.0



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

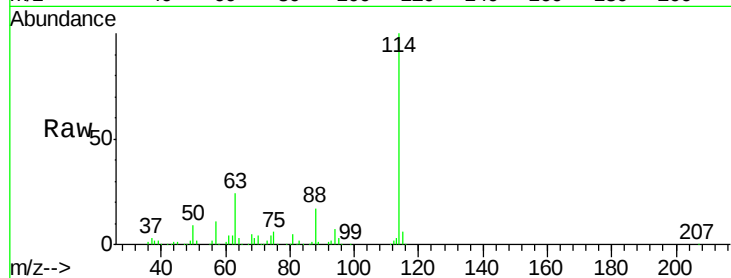




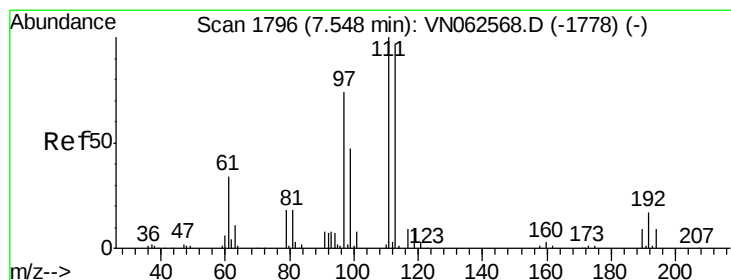
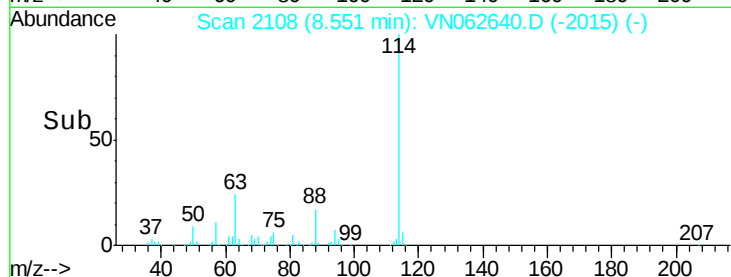
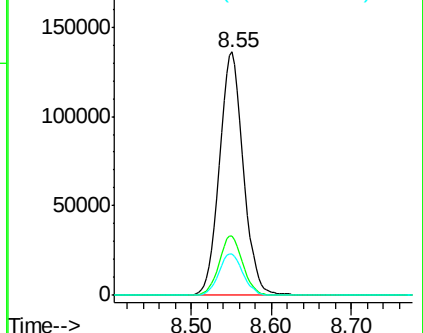
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062640.D
 Acq: 28 Jul 2020 18:44

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	48.4
88	16.8	0.0	33.8

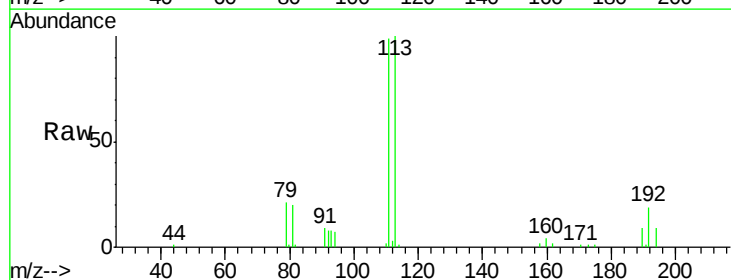


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

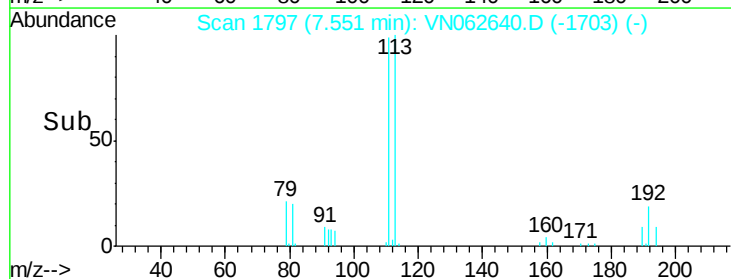
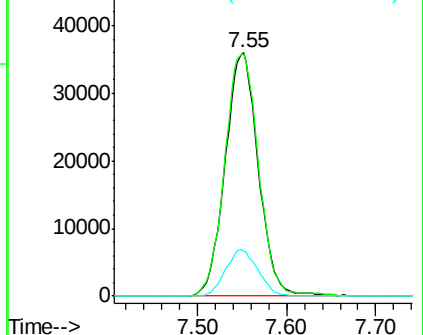


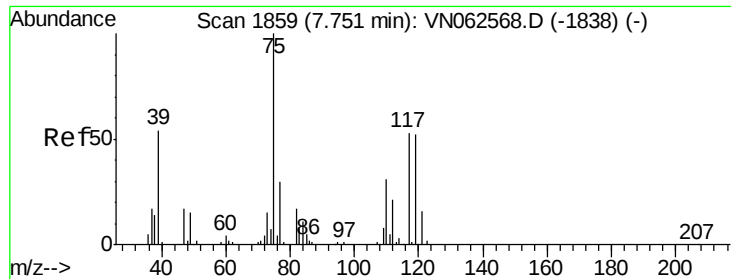
#35
 Dibromofluoromethane
 Concen: 50.075 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062640.D
 Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.7	124.1
192	18.6	14.8	22.2



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

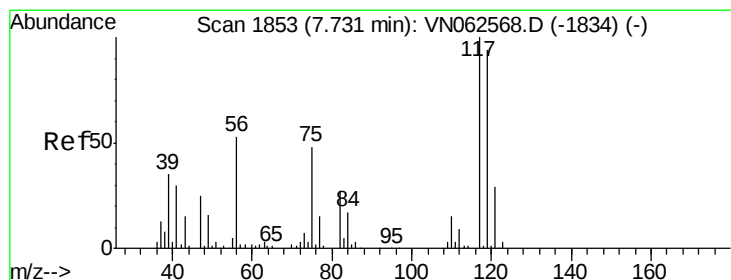
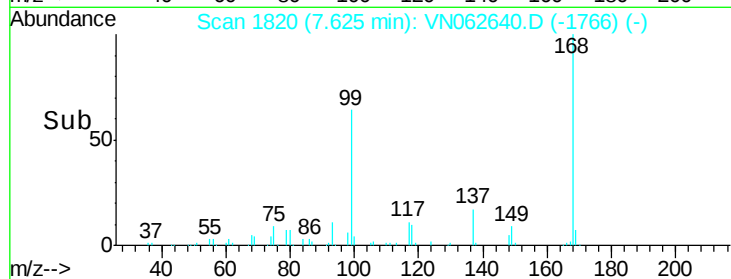
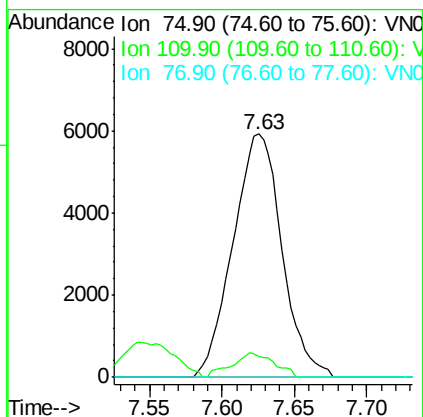
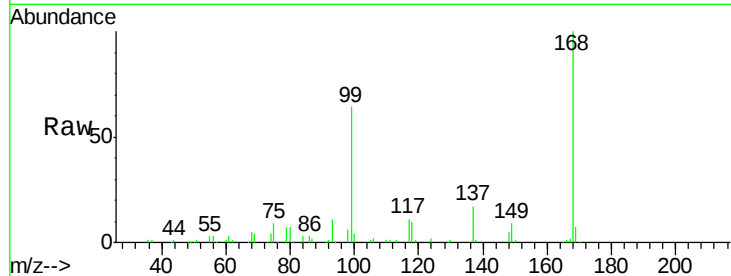




#36
 1,1-Dichloropropene
 Concen: 4.644 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062640.D
 Acq: 28 Jul 2020 18:44

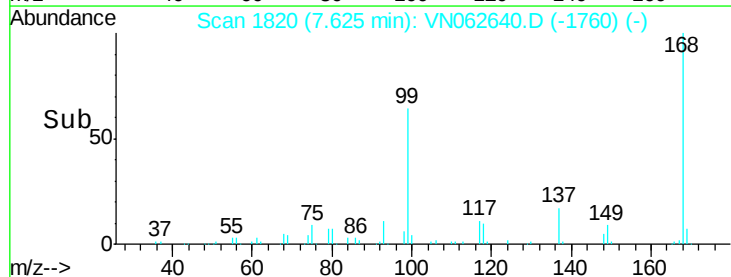
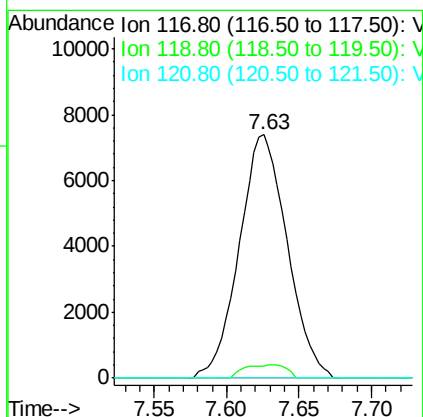
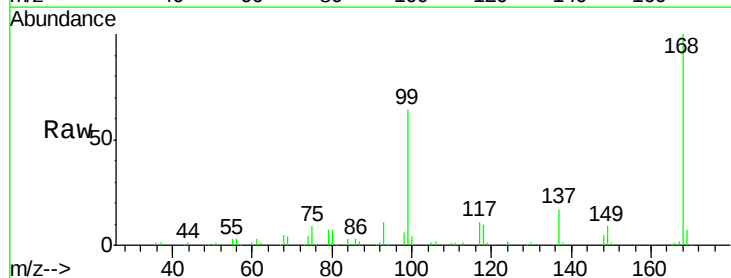
Instrument :
 MSVOA_N
 ClientSampled :

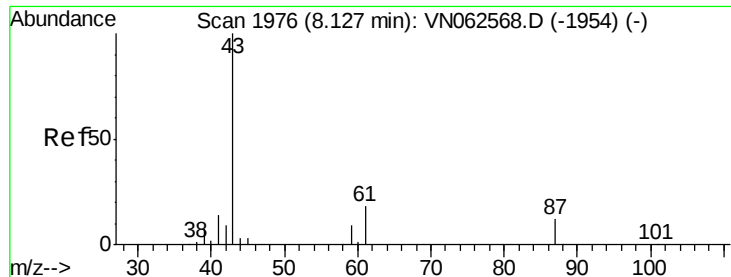
Tot Ion	75	Resp	13904
Ion Ratio	Lower	Upper	
75	100		
110	8.7	16.0	48.0#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.916 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062640.D
 Acq: 28 Jul 2020 18:44

Tgt Ion	117	Resp	17025
Ion Ratio	Lower	Upper	
117	100		
119	5.1	74.8	112.2#
121	0.0	23.0	34.6#





#43

Isopropyl Acetate

Concen: 1.078 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.14 min

Lab File: VN062640.D

Acq: 28 Jul 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

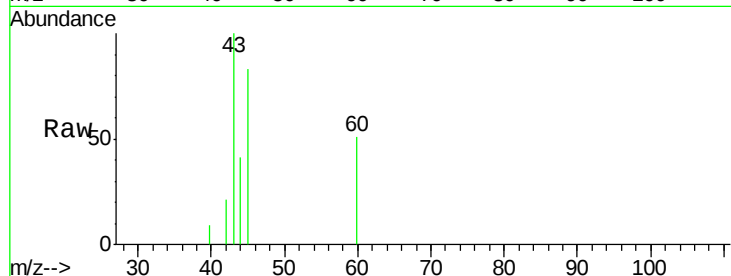
Tot Ion: 43 Resp: 5606

Ion Ratio Lower Upper

43 100

61 0.0 20.8 31.2#

87 0.0 9.2 13.8#

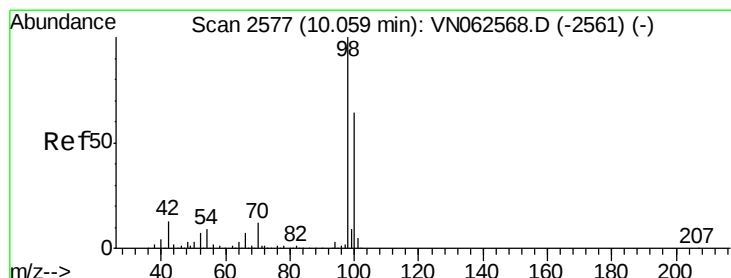
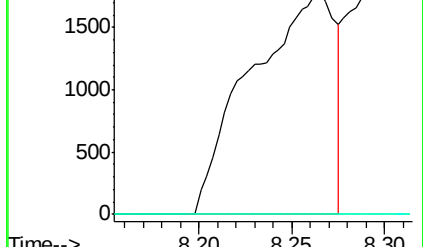
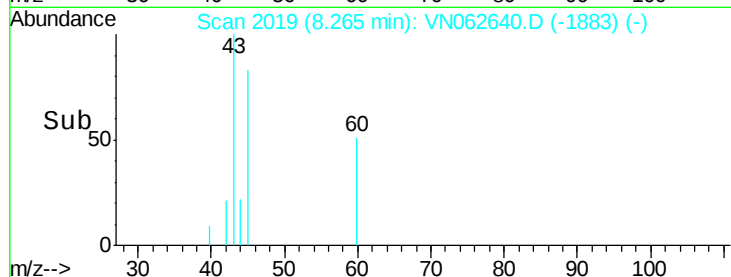


Abundance Ion 43.00 (42.70 to 43.70): VN062640.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062640.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062640.D (-1883) (-)

Time-->



#50

Toluene-d8

Concen: 49.575 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062640.D

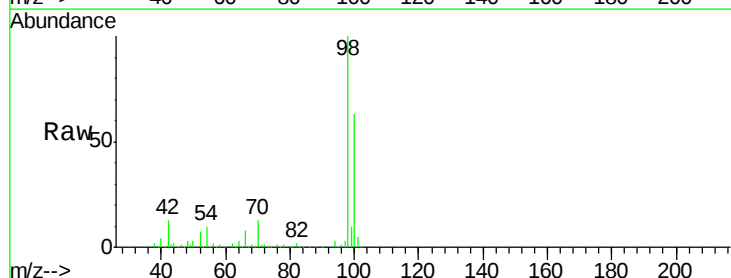
Acq: 28 Jul 2020 18:44

Tgt Ion: 98 Resp: 364954

Ion Ratio Lower Upper

98 100

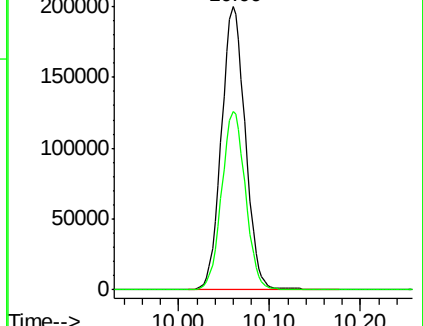
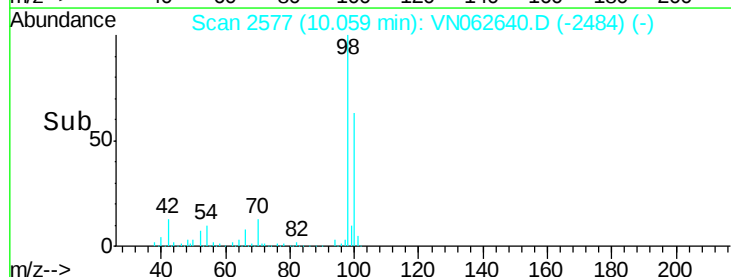
100 62.6 50.9 76.3

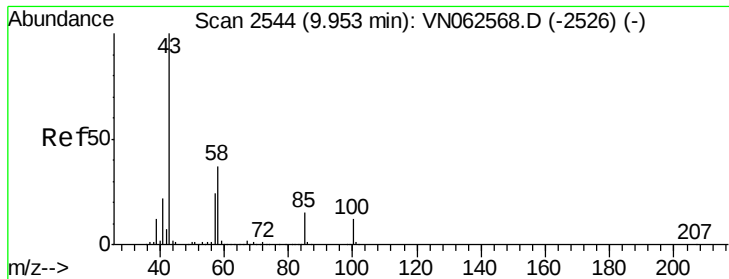


Abundance Ion 98.00 (97.70 to 98.70): VN062640.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN062640.D (-2484) (-)

Time-->

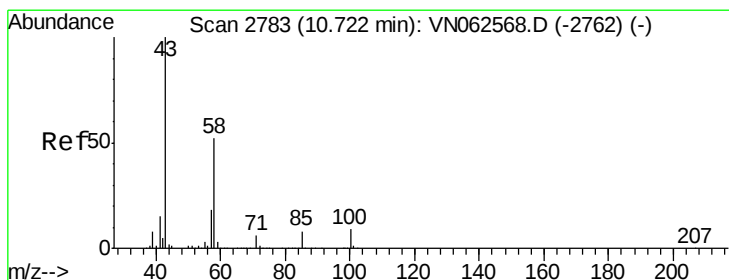
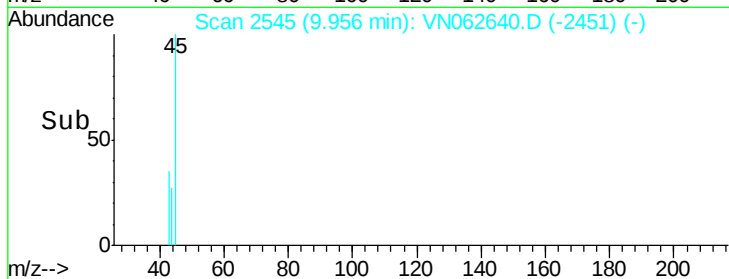
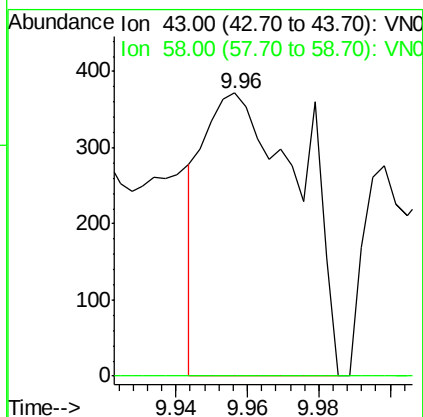
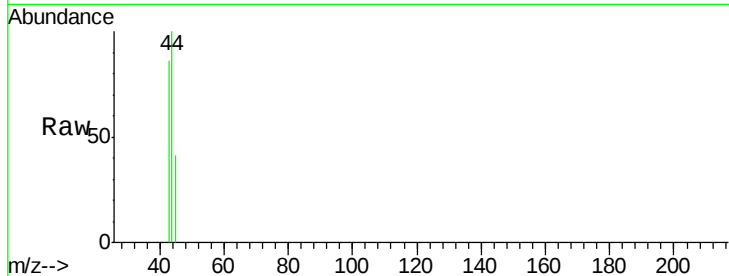




#51
 4-Methyl-2-Pentanone
 Concen: 0.226 ug/l
 RT: 9.96 min Scan# 2545
 Delta R.T. 0.00 min
 Lab File: VN062640.D
 Acq: 28 Jul 2020 18:44

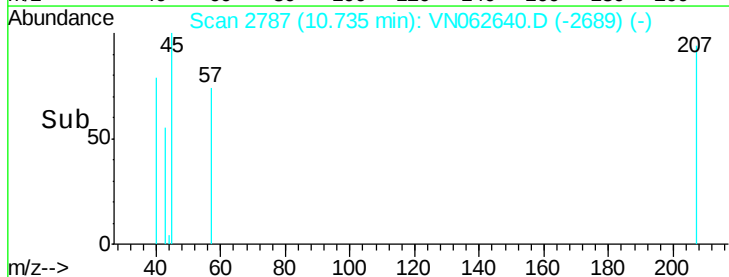
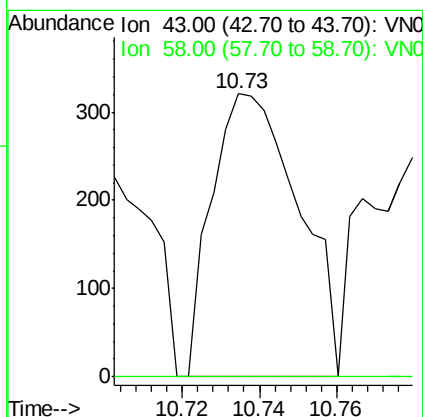
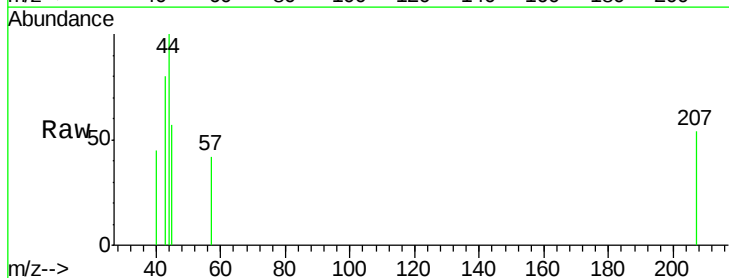
Instrument :
 MSVOA_N
 ClientSampled :

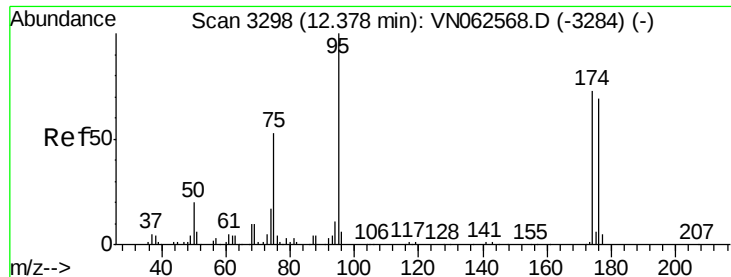
Tot Ion: 43 Resp: 702
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.8 44.6#



#59
 2-Hexanone
 Concen: 3.164 ug/l
 RT: 10.73 min Scan# 2787
 Delta R.T. 0.01 min
 Lab File: VN062640.D
 Acq: 28 Jul 2020 18:44

Tgt Ion: 43 Resp: 499
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.0 78.0#





#62

4-Bromofluorobenzene

Concen: 45.462 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062640.D

Acq: 28 Jul 2020 18:44

Instrument :

MSVOA_N

ClientSampled :

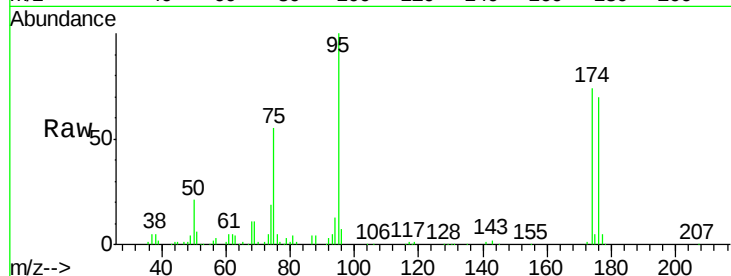
Tot Ion: 95 Resp: 122371

Ion Ratio Lower Upper

95 100

174 73.4 0.0 144.6

176 68.7 0.0 139.4

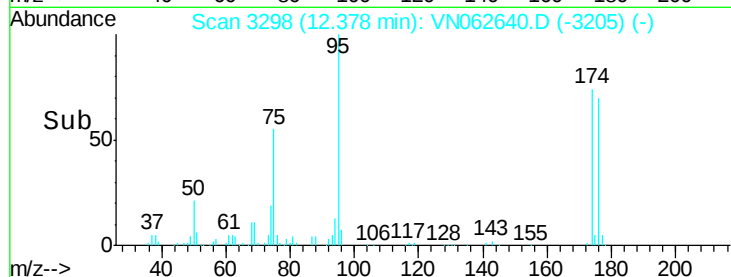


Abundance Ion 94.90 (94.60 to 95.60): VN062640.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062640.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062640.D (-3284) (-)

Time-->

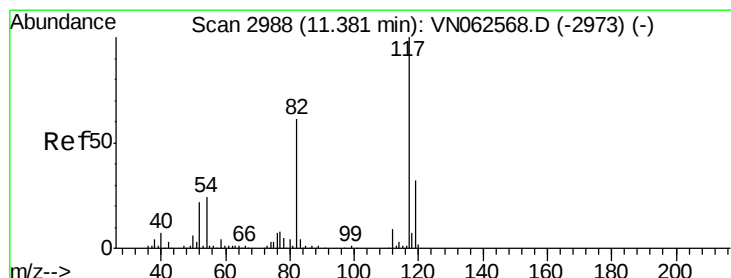


Abundance Ion 94.90 (94.60 to 95.60): VN062640.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062640.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062640.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: VN062640.D

Acq: 28 Jul 2020 18:44

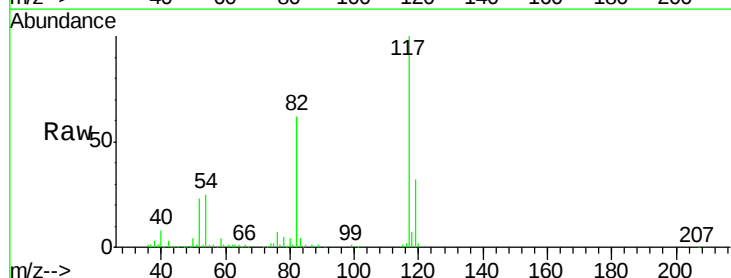
Tgt Ion: 117 Resp: 273605

Ion Ratio Lower Upper

117 100

82 62.0 49.0 73.6

119 32.4 25.4 38.2

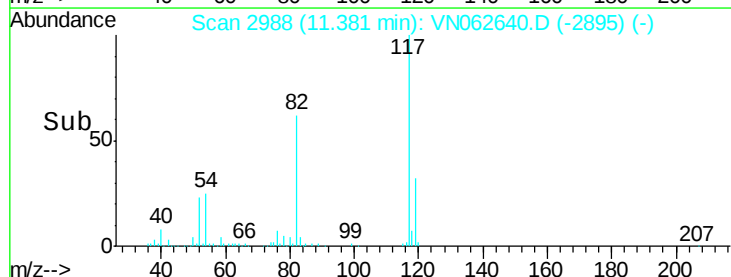


Abundance Ion 116.90 (116.60 to 117.60): VN062640.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN062640.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN062640.D (-2973) (-)

Time-->

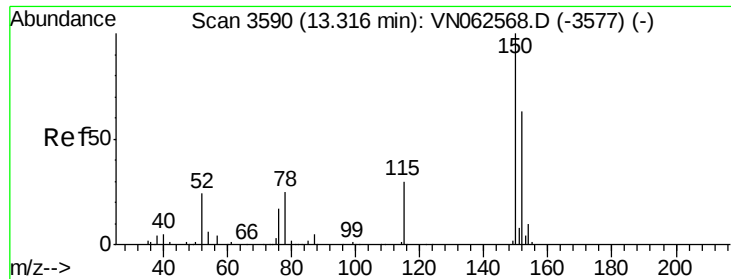


Abundance Ion 116.90 (116.60 to 117.60): VN062640.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062640.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062640.D (-2895) (-)

Time-->

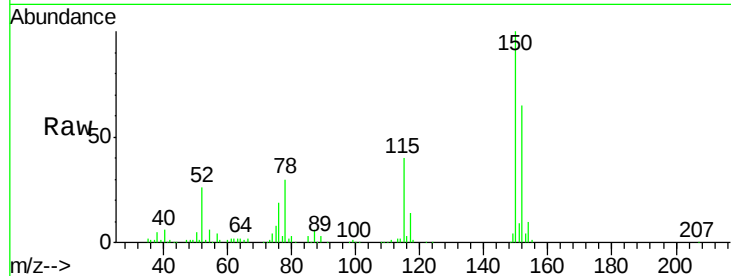


#72

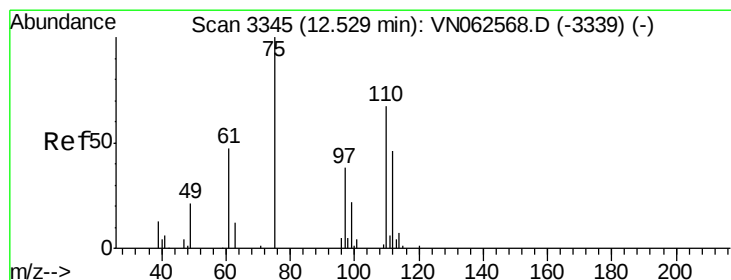
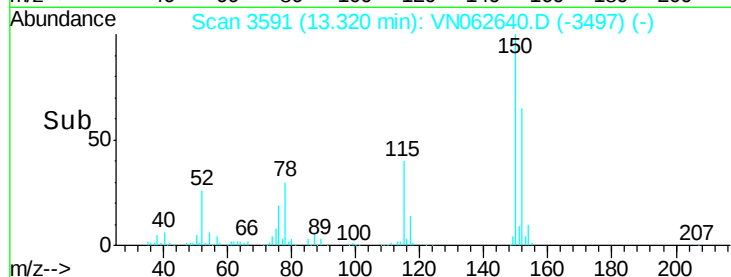
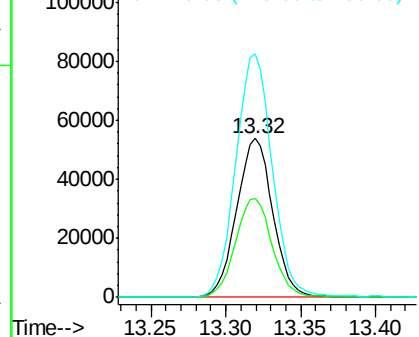
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062640.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 90714
Ion Ratio Lower Upper
152 100
115 63.0 31.8 95.4
150 155.2 0.0 351.4



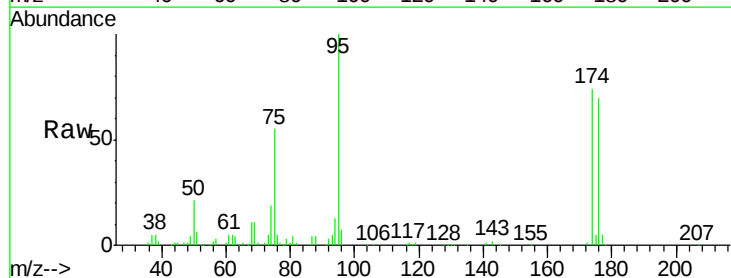
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



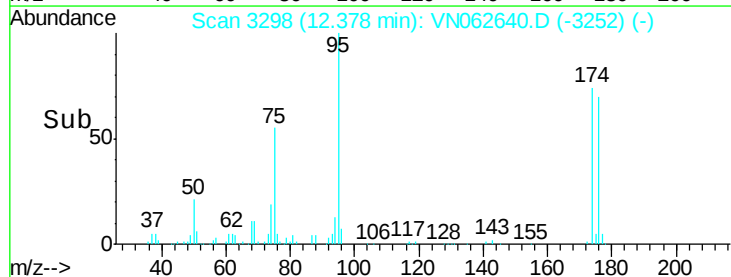
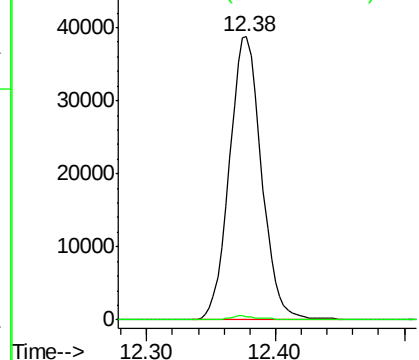
#76

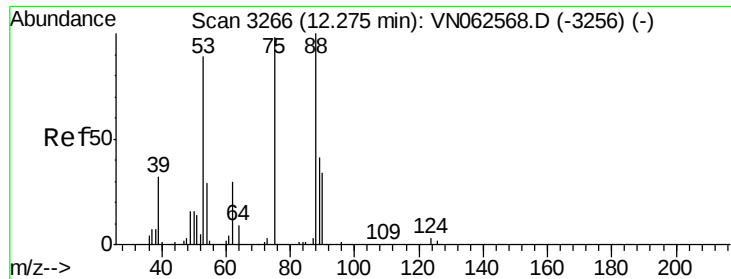
1,2,3-Trichloropropane
Concen: 29.011 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.15 min
Lab File: VN062640.D
Acq: 28 Jul 2020 18:44

Tgt Ion: 75 Resp: 66987
Ion Ratio Lower Upper
75 100
77 1.2 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: 80.761 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062640.D

Acq: 28 Jul 2020 18:44

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 66987

Ion Ratio Lower Upper

75 100

53 0.1 75.4 113.0#

89 0.0 34.5 51.7#

