

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082420\
 Data File : VN063100.D
 Acq On : 24 Aug 2020 17:05
 Operator : JC/MD
 Sample : L3774-04 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-2

Quant Time: Aug 25 00:56:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	140816	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	239334	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232904	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92734	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	94215	56.45	ug/l	0.00
Spiked Amount			Recovery	=	112.90%	
35) Dibromofluoromethane	7.54	113	78909	50.60	ug/l	0.00
Spiked Amount			Recovery	=	101.20%	
50) Toluene-d8	10.06	98	297688	49.70	ug/l	0.00
Spiked Amount			Recovery	=	99.40%	
62) 4-Bromofluorobenzene	12.38	95	99894	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

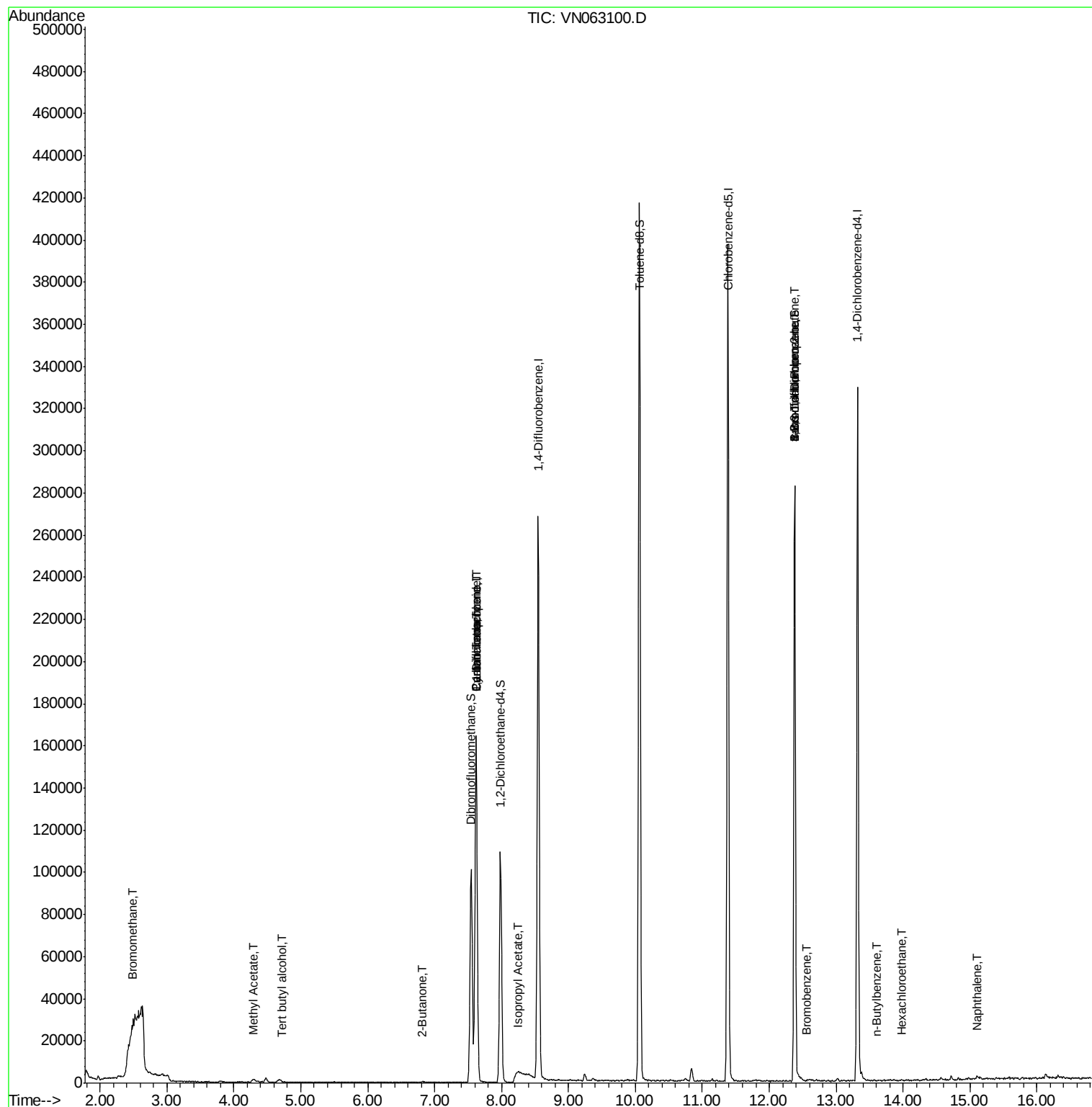
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.48	94	238	0.215	ug/l	89
11) Tert butyl alcohol	4.73	59	92	0.389	ug/l #	74
16) Acetone	3.80	43	549	Below Cal	#	40
18) Methyl Acetate	4.29	43	3738	2.254	ug/l #	76
20) Methylene Chloride	4.48	84	1408	Below Cal	#	69
25) 2-Butanone	6.82	43	190	0.214	ug/l #	48
31) Cyclohexane	7.61	56	2830	1.151	ug/l #	14
36) 1,1-Dichloropropene	7.62	75	10556	5.005	ug/l #	45
38) Carbon Tetrachloride	7.62	117	12421	5.833	ug/l #	17
43) Isopropyl Acetate	8.23	43	3909	1.194	ug/l #	53
71) Bromoform	12.38	173	811	0.560	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	47871	26.558	ug/l #	100
77) Bromobenzene	12.56	156	461	0.264	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.38	75	47871	72.939	ug/l #	15
89) n-Butylbenzene	13.60	91	231	2.814	ug/l #	34
90) Hexachloroethane	13.98	117	245	0.216	ug/l #	5
95) Naphthalene	15.11	128	2205	6.171	ug/l #	69

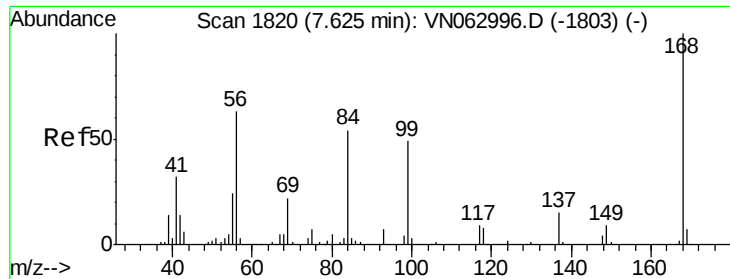
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063100.D

Acq: 24 Aug 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

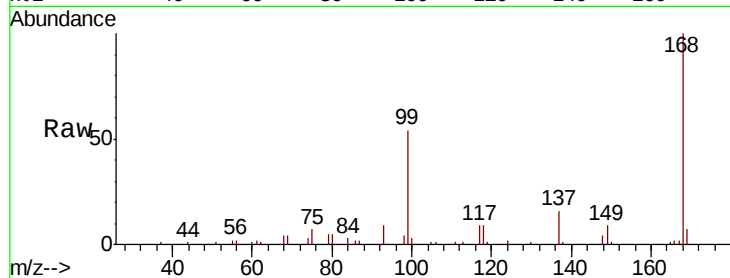
DRUM-2

Tot Ion:168 Resp: 140816

Ion Ratio Lower Upper

168 100

99 53.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

60000

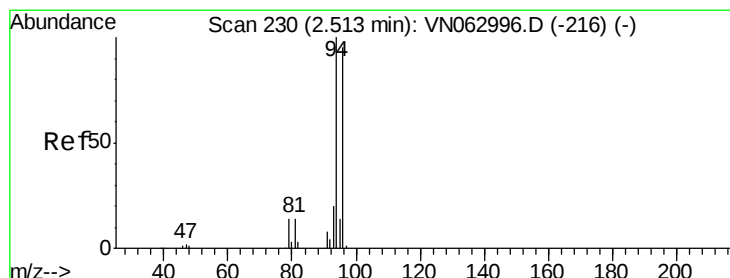
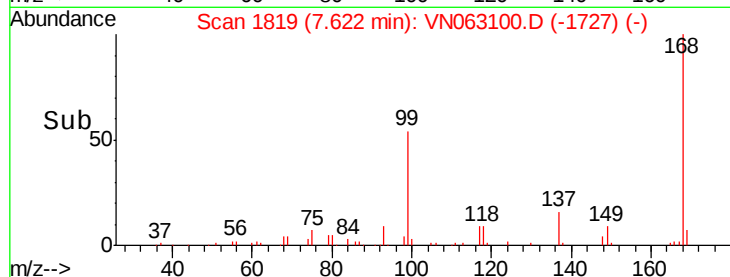
40000

20000

0

7.50 7.60 7.70

Time-->



#5

Bromomethane

Concen: 0.215 ug/l

RT: 2.48 min Scan# 220

Delta R.T. -0.03 min

Lab File: VN063100.D

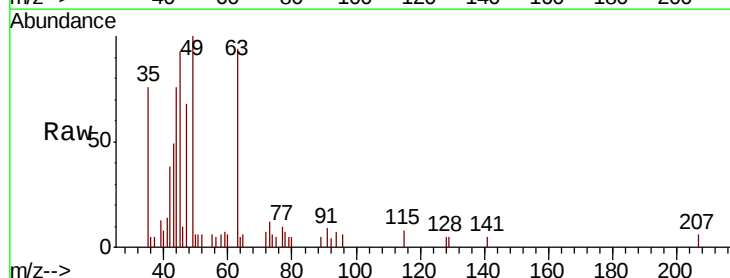
Acq: 24 Aug 2020 17:05

Tgt Ion: 94 Resp: 238

Ion Ratio Lower Upper

94 100

96 84.1 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

250

200

150

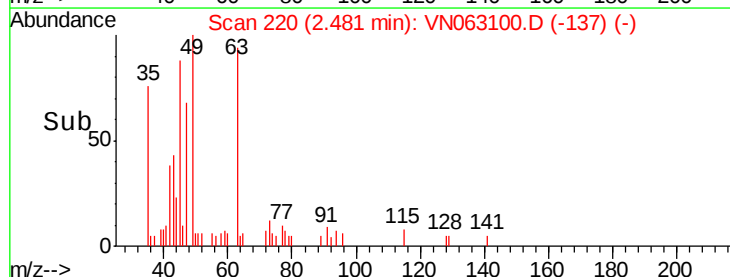
100

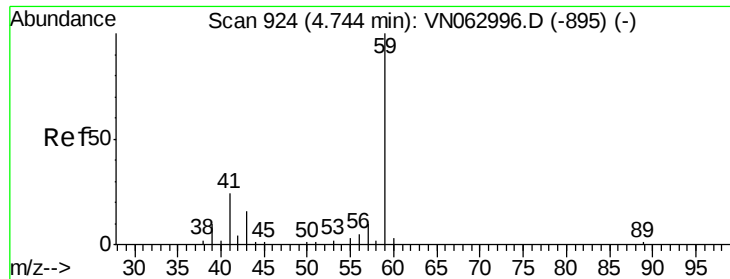
50

0

2.46 2.48 2.50

Time-->

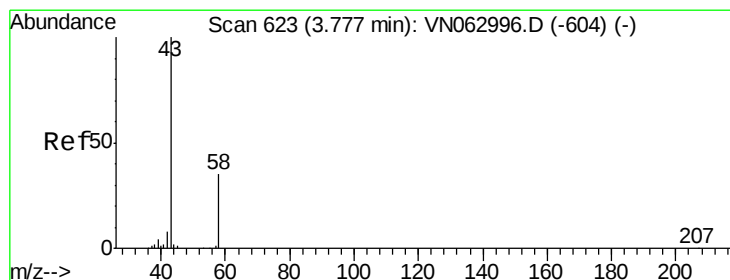
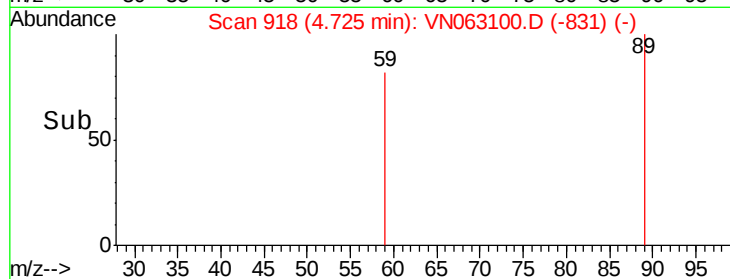
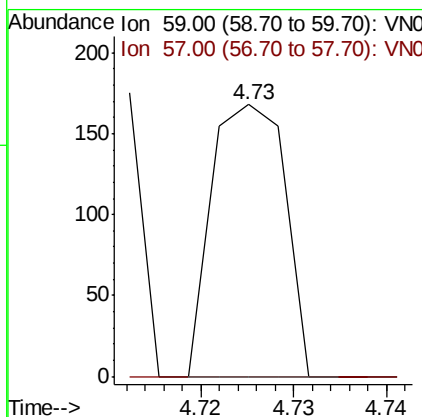
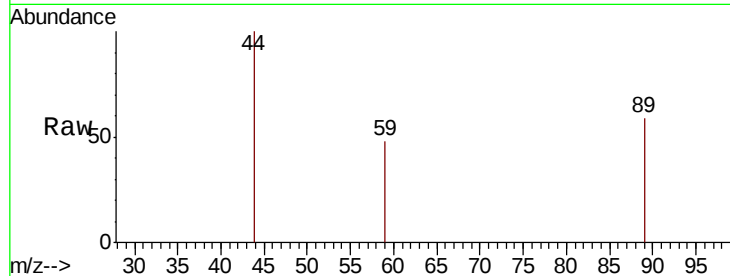




#11
Tert butyl alcohol
Concen: 0.389 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.02 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

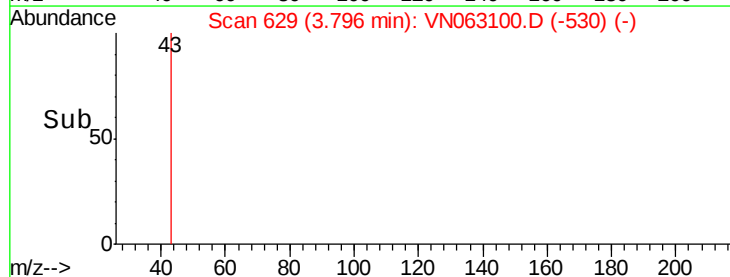
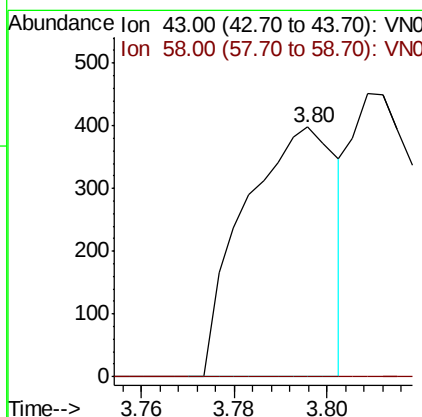
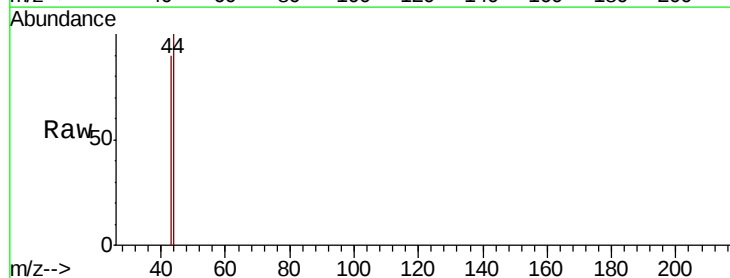
Instrument :
MSVOA_N
ClientSampleId :
DRUM-2

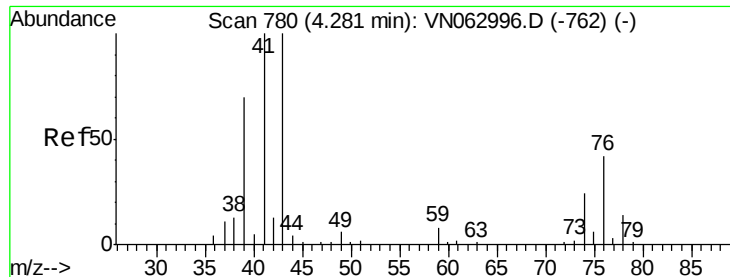
Tot Ion: 59 Resp: 92
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 3.80 min Scan# 629
Delta R.T. 0.02 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

Tgt Ion: 43 Resp: 549
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.6#

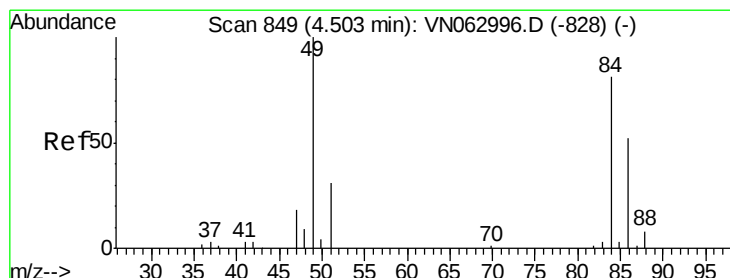
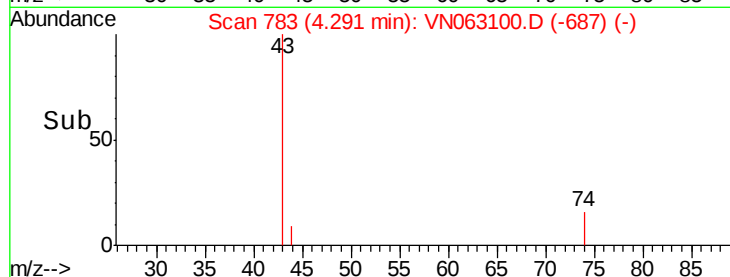
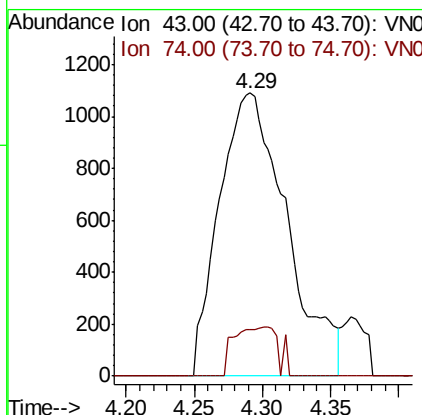
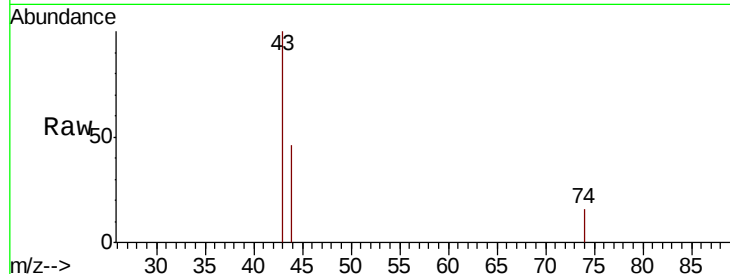




#18
Methyl Acetate
Concen: 2.254 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

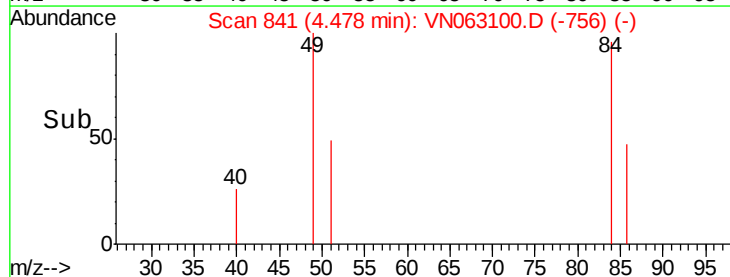
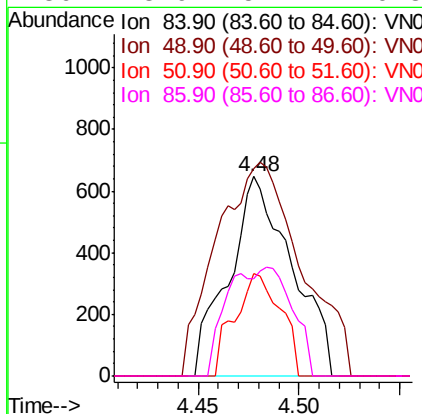
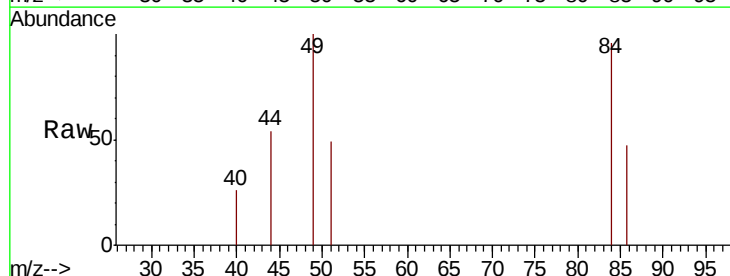
Instrument :
MSVOA_N
ClientSampled :
DRUM-2

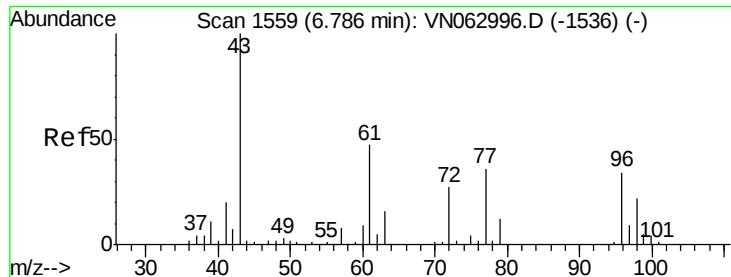
Tot Ion: 43 Resp: 3738
Ion Ratio Lower Upper
43 100
74 11.4 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.48 min Scan# 841
Delta R.T. -0.03 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

Tgt Ion: 84 Resp: 1408
Ion Ratio Lower Upper
84 100
49 78.2 98.7 148.1#
51 51.2 30.8 46.2#
86 48.9 51.2 76.8#

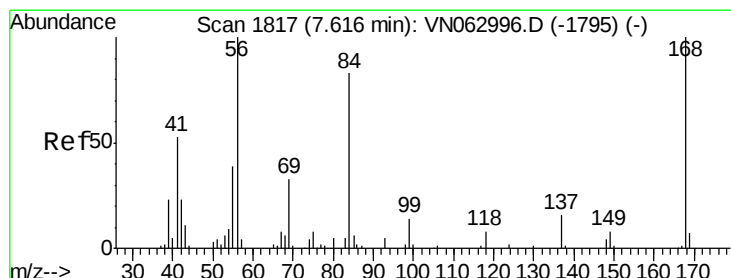
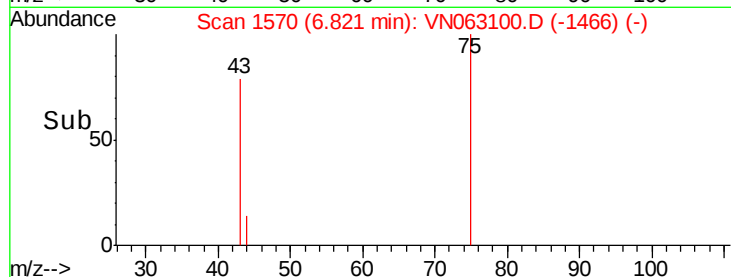
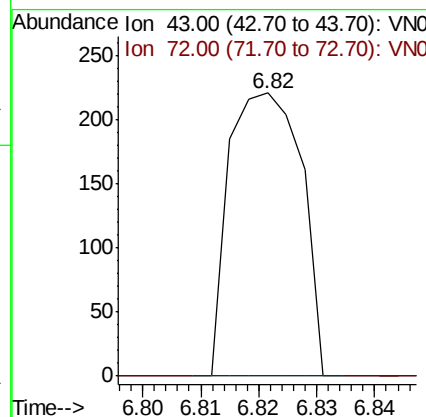
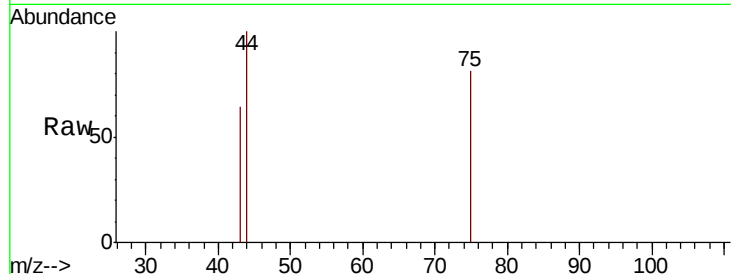




#25
2-Butanone
Concen: 0.214 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.04 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

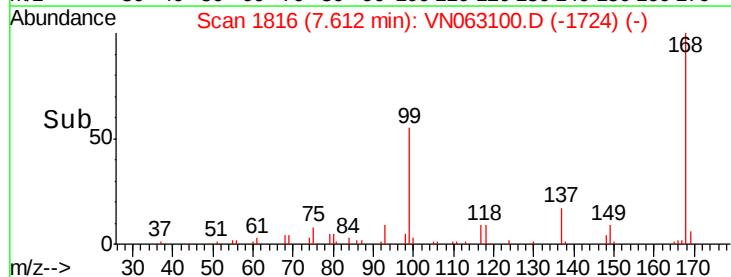
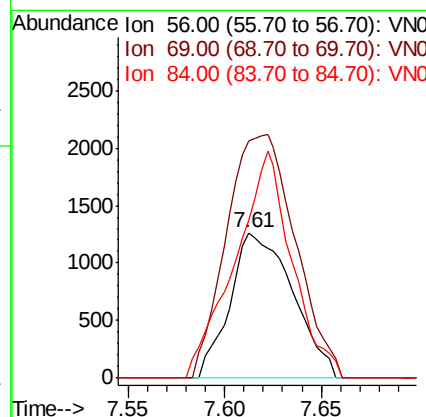
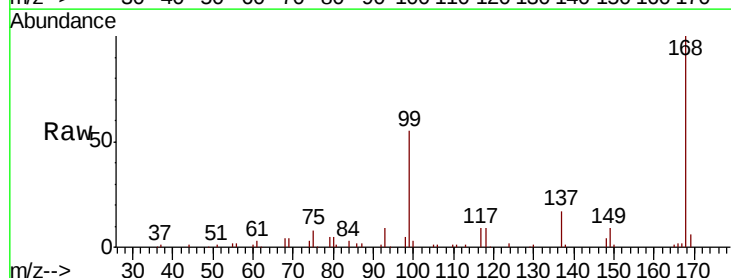
Instrument :
MSVOA_N
ClientSampleId :
DRUM-2

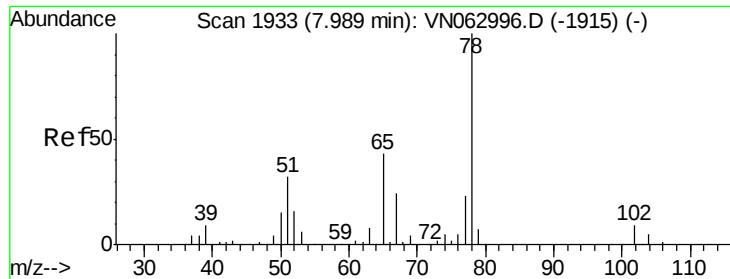
Tot Ion: 43 Resp: 190
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.6#



#31
Cyclohexane
Concen: 1.151 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

Tgt Ion: 56 Resp: 2830
Ion Ratio Lower Upper
56 100
69 163.5 26.6 40.0#
84 108.6 66.4 99.6#

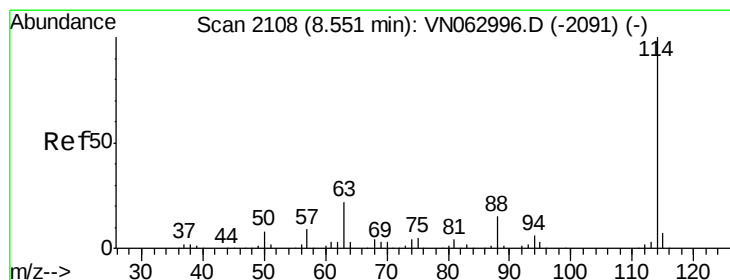
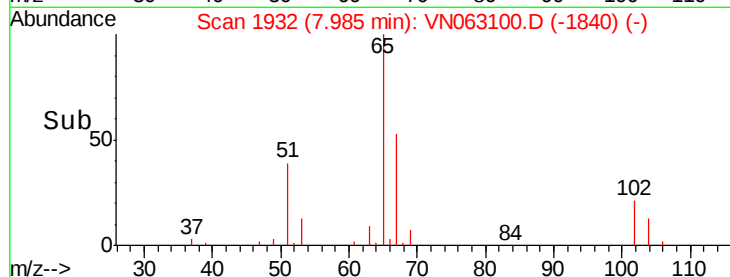
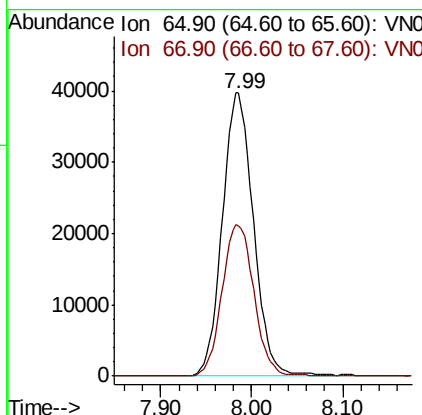
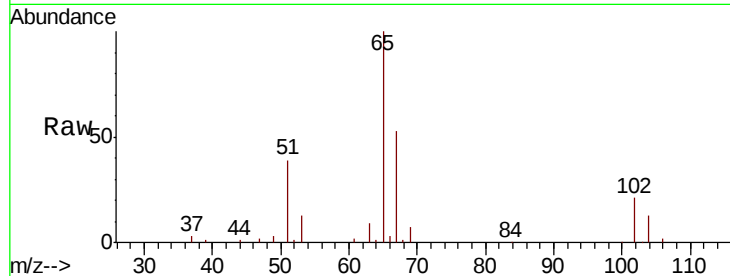




#33
 1,2-Dichloroethane-d4
 Concen: 56.452 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063100.D
 Acq: 24 Aug 2020 17:05

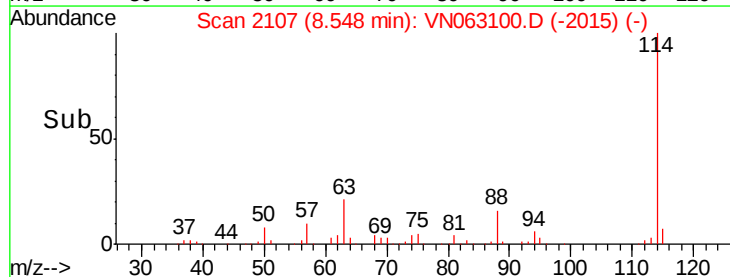
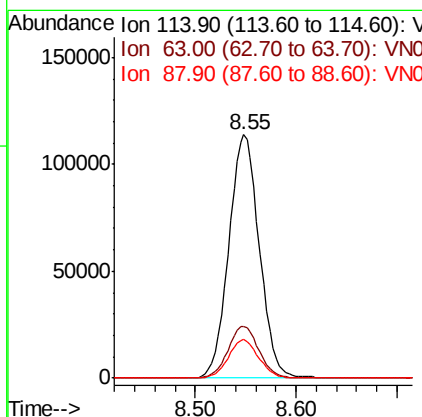
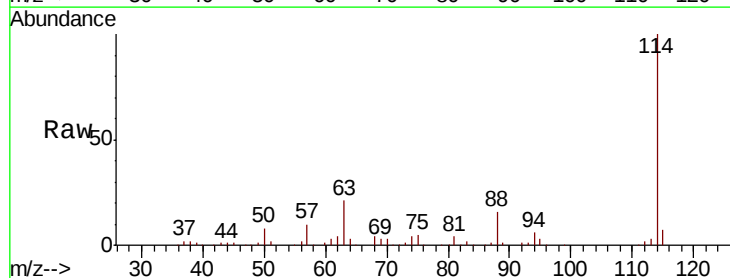
Instrument :
 MSVOA_N
 ClientSampleId :
 DRUM-2

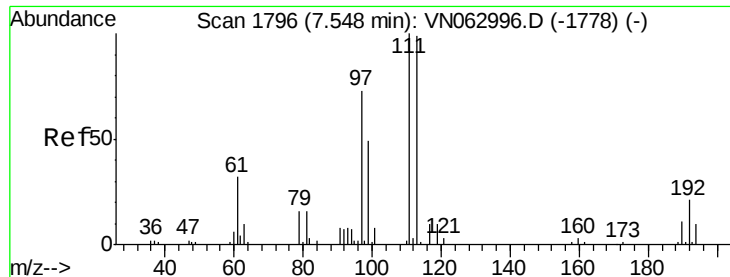
Tot Ion: 65 Resp: 94215
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063100.D
 Acq: 24 Aug 2020 17:05

Tgt Ion: 114 Resp: 239334
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 15.8 0.0 30.6

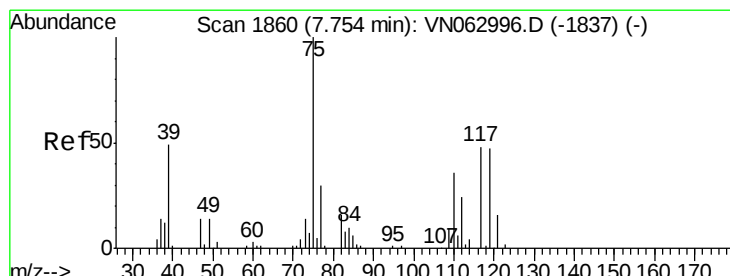
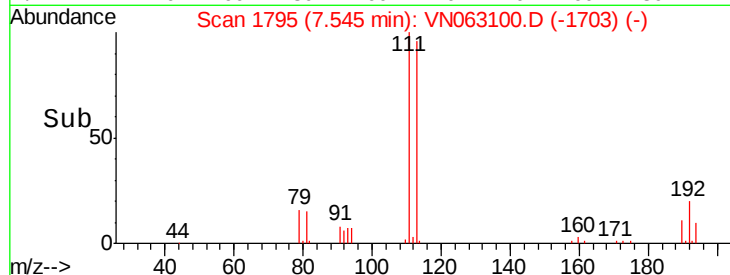
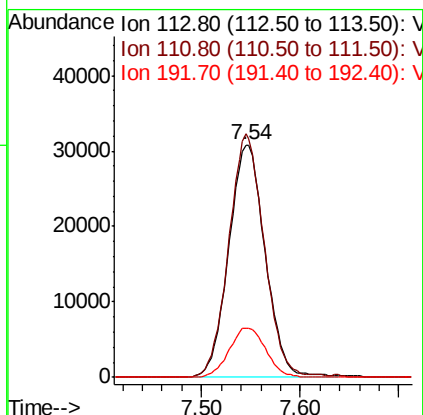
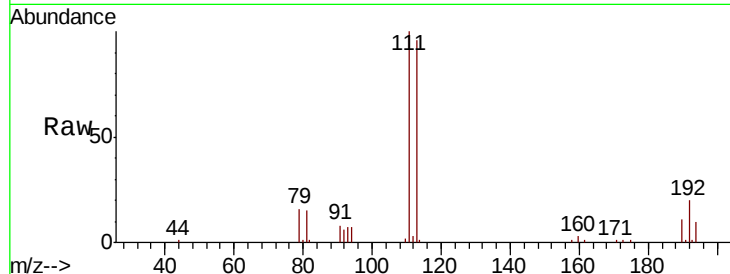




#35
 Dibromofluoromethane
 Concen: 50.599 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN063100.D
 Acq: 24 Aug 2020 17:05

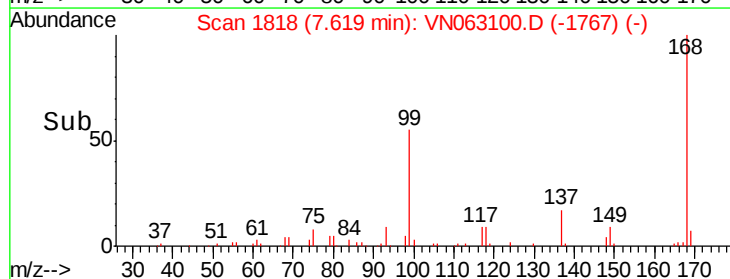
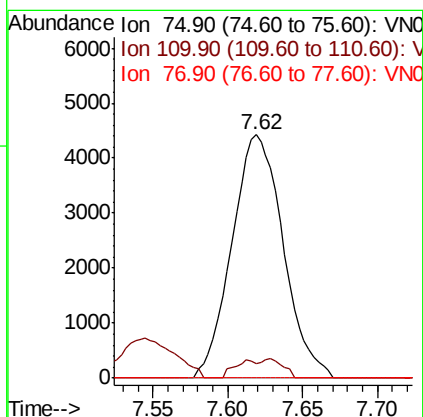
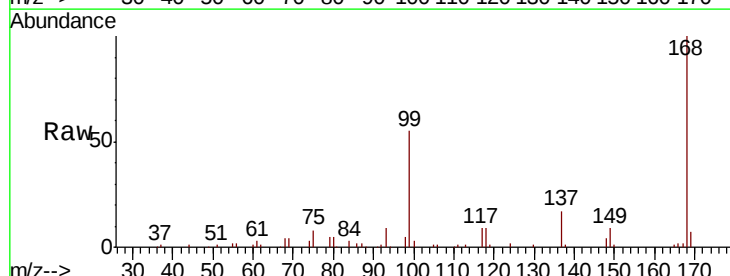
Instrument :
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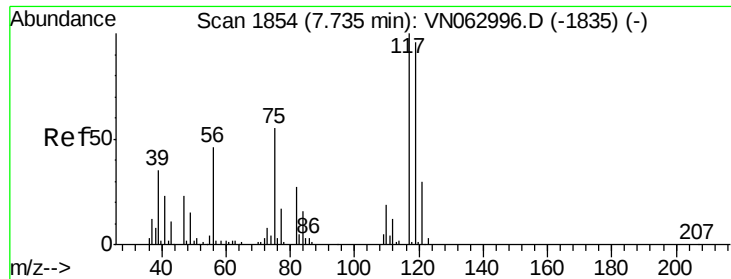
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.7	122.5
192	21.3	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 5.005 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.13 min
 Lab File: VN063100.D
 Acq: 24 Aug 2020 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.2	17.5	52.6#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 5.833 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN063100.D

Acq: 24 Aug 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2

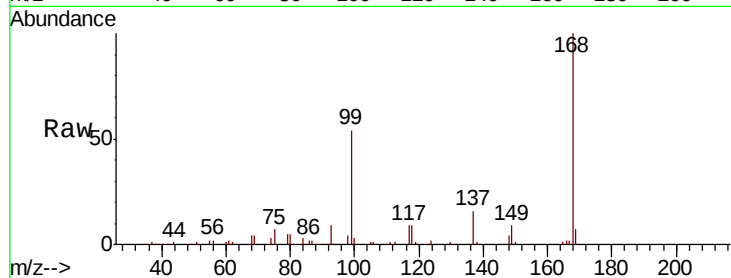
Tot Ion:117 Resp: 12421

Ion Ratio Lower Upper

117 100

119 6.1 76.2 114.4#

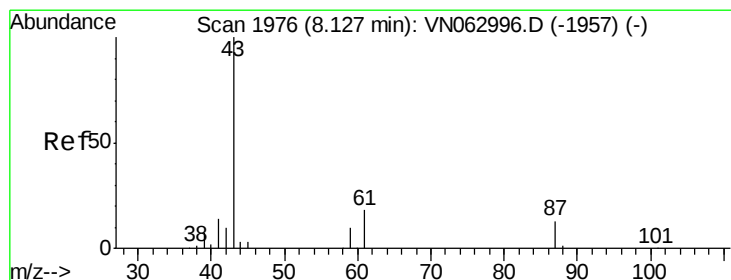
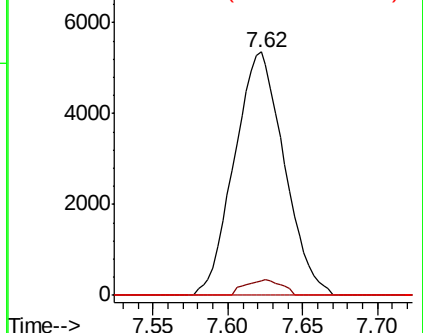
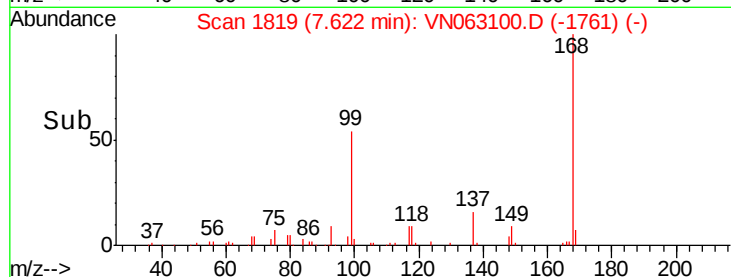
121 0.0 24.2 36.2#



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: 1.194 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.10 min

Lab File: VN063100.D

Acq: 24 Aug 2020 17:05

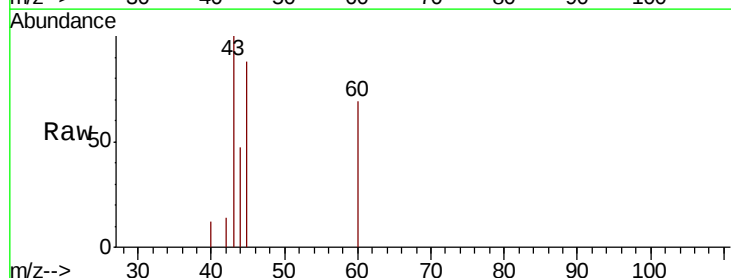
Tgt Ion: 43 Resp: 3909

Ion Ratio Lower Upper

43 100

61 0.0 22.6 33.8#

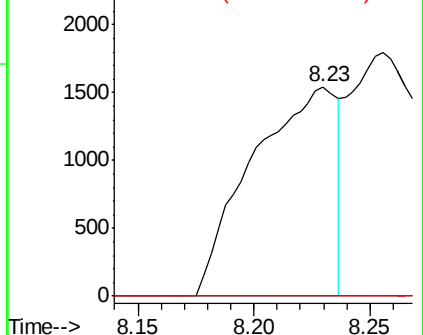
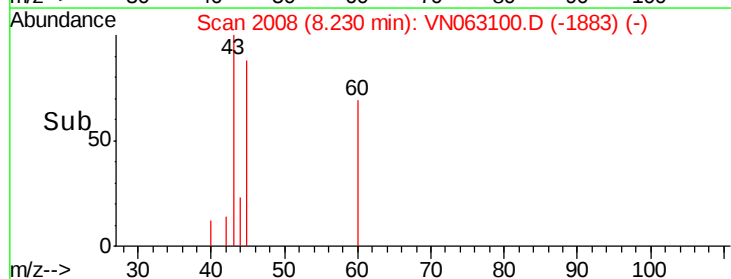
87 0.0 10.5 15.7#

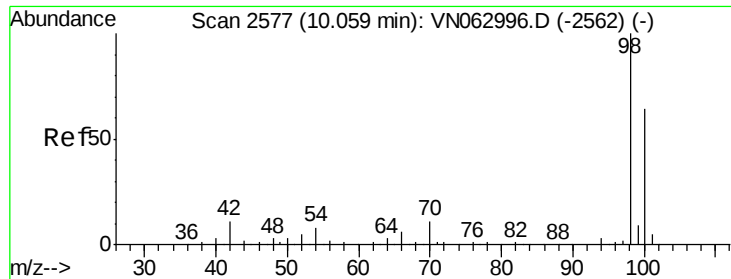


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.697 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN063100.D

Acq: 24 Aug 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

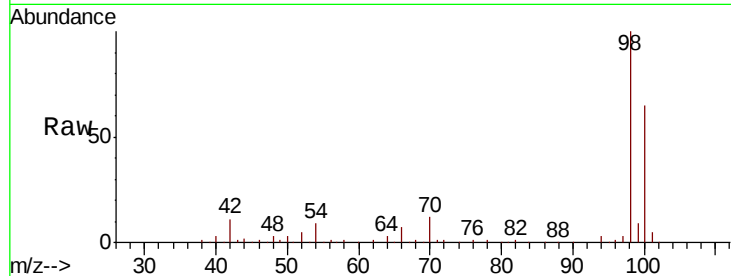
DRUM-2

Tot Ion: 98 Resp: 297688

Ion Ratio Lower Upper

98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062996.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN063100.D (-2484) (-)

10.06

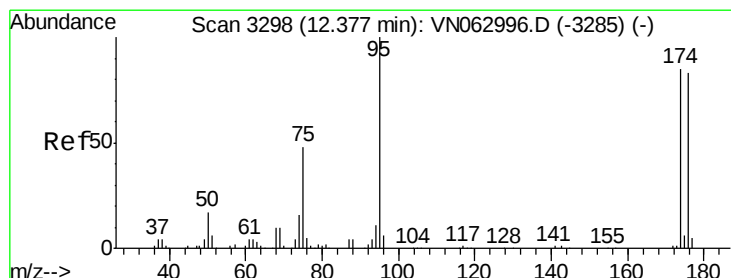
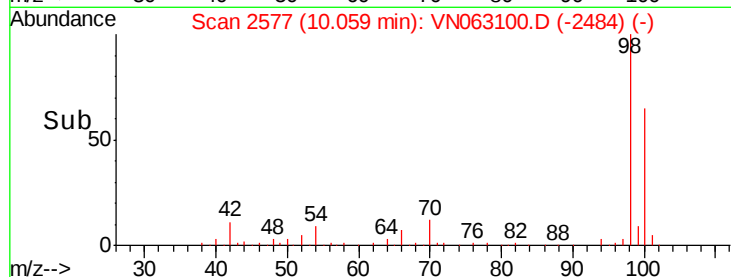
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.258 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.00 min

Lab File: VN063100.D

Acq: 24 Aug 2020 17:05

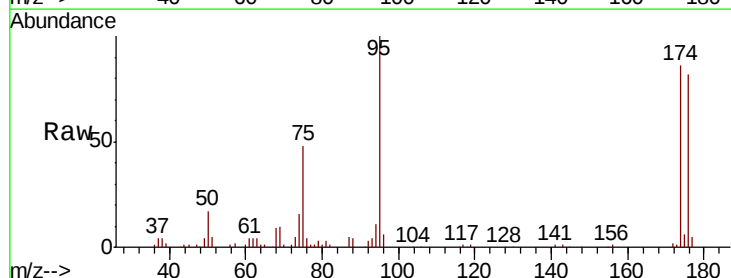
Tgt Ion: 95 Resp: 99894

Ion Ratio Lower Upper

95 100

174 85.2 0.0 170.8

176 82.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)

Ion 173.80 (173.50 to 174.50): VN063100.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN063100.D (-3205) (-)

12.38

80000

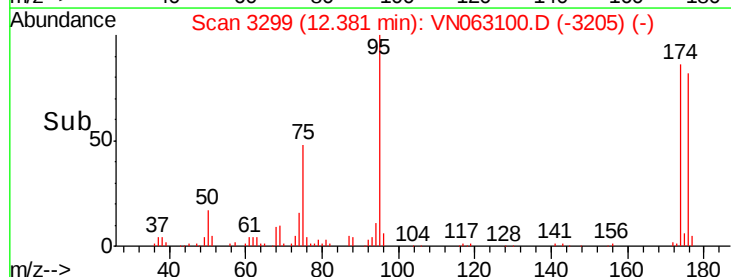
60000

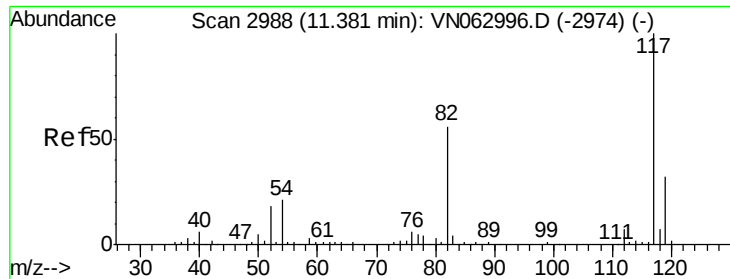
40000

20000

0

Time-->

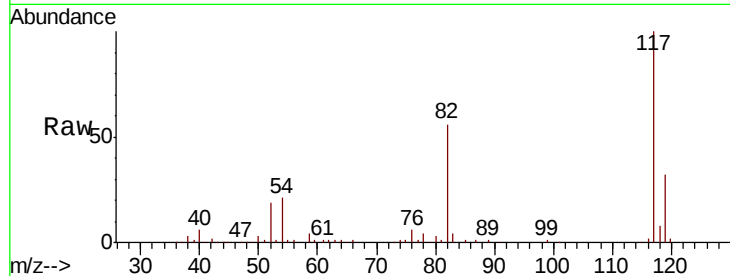




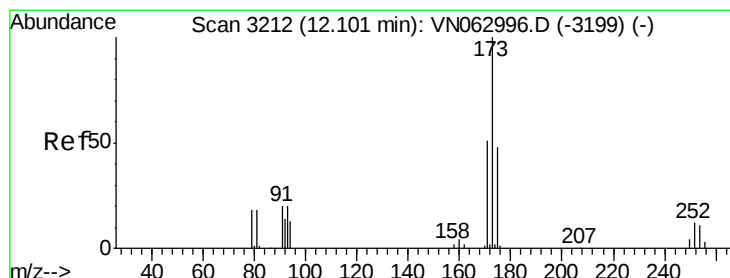
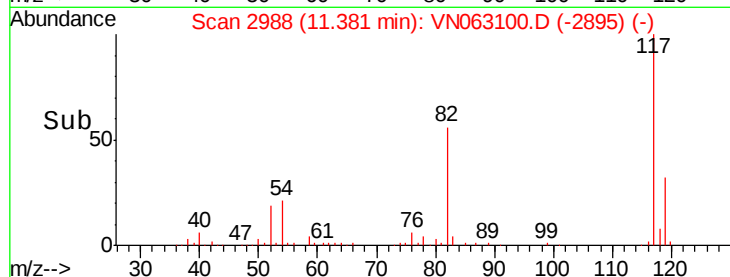
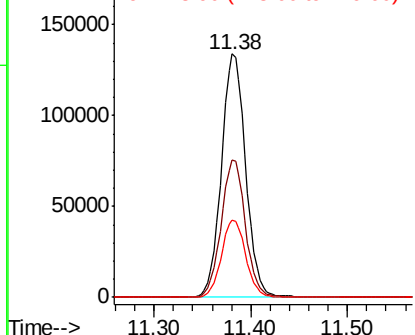
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

Instrument :
MSVOA_N
ClientSampleId :
DRUM-2

Tot Ion:117 Resp: 232904
Ion Ratio Lower Upper
117 100
82 56.4 44.5 66.7
119 31.9 25.5 38.3

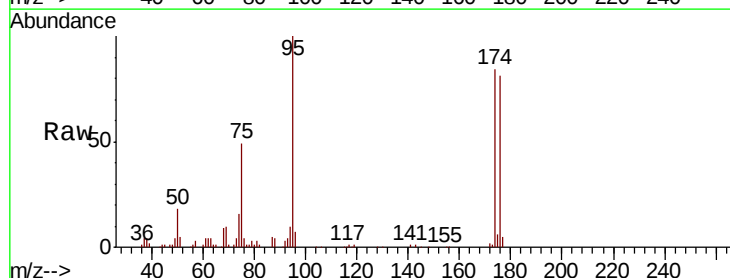


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

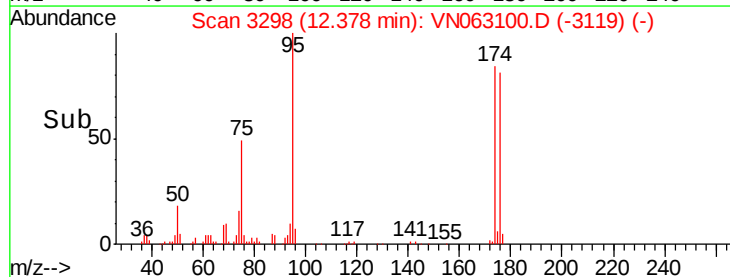
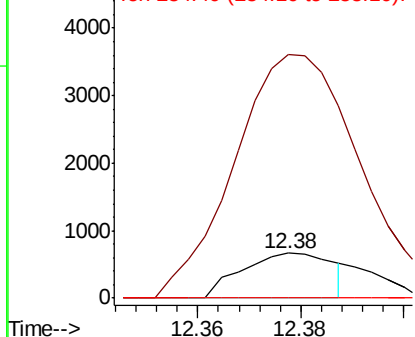


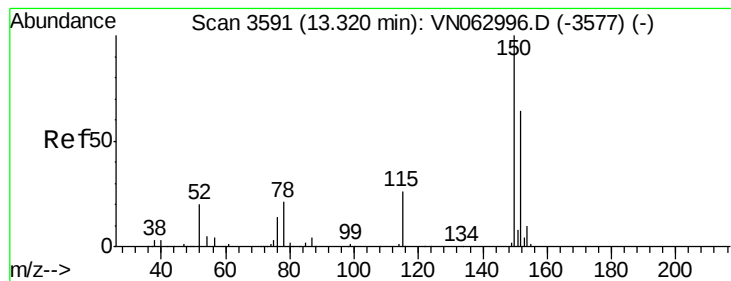
#71
Bromoform
Concen: 0.560 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

Tgt Ion:173 Resp: 811
Ion Ratio Lower Upper
173 100
175 598.2 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# 3591

Delta R.T. 0.00 min

Lab File: VN063100.D

Acq: 24 Aug 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2

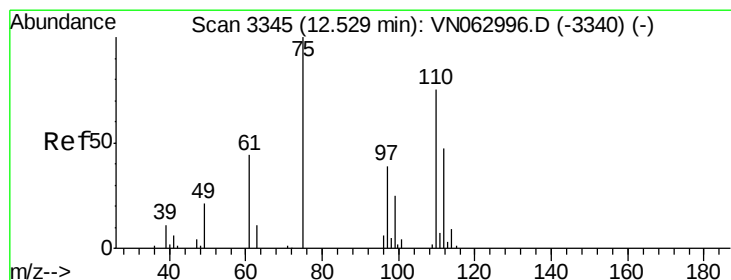
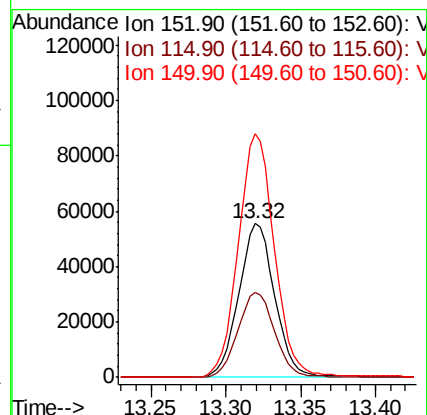
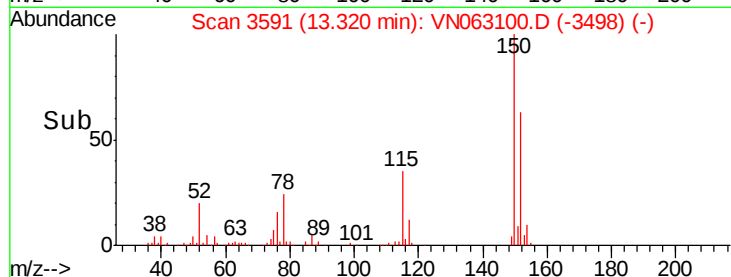
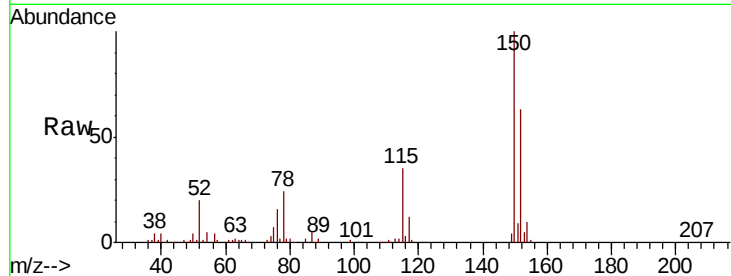
Tot Ion:152 Resp: 92734

Ion Ratio Lower Upper

152 100

115 56.4 28.7 86.3

150 160.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 26.558 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. -0.15 min

Lab File: VN063100.D

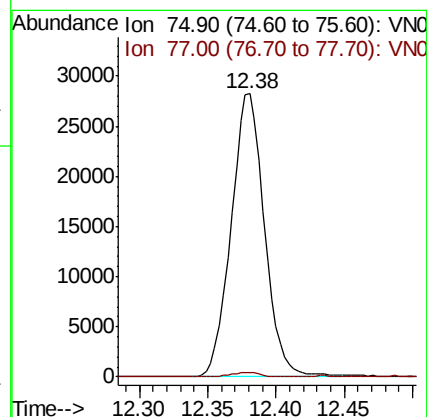
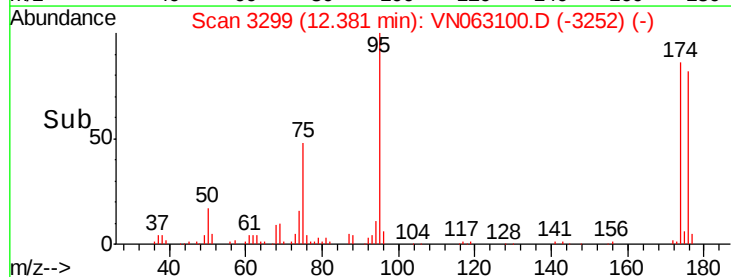
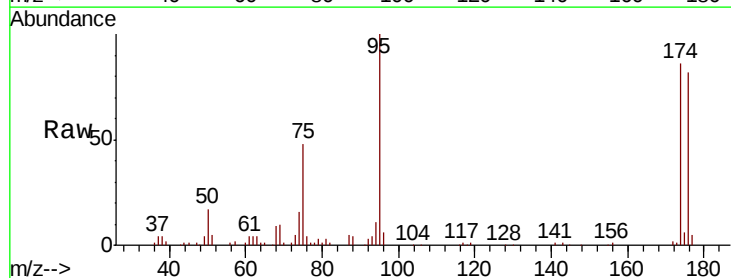
Acq: 24 Aug 2020 17:05

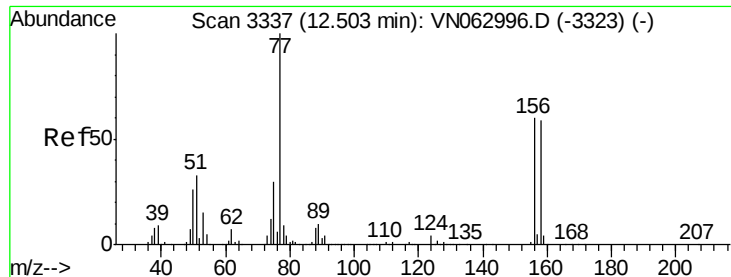
Tgt Ion: 75 Resp: 47871

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#77

Bromobenzene

Concen: 0.264 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.05 min

Lab File: VN063100.D

Acq: 24 Aug 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2

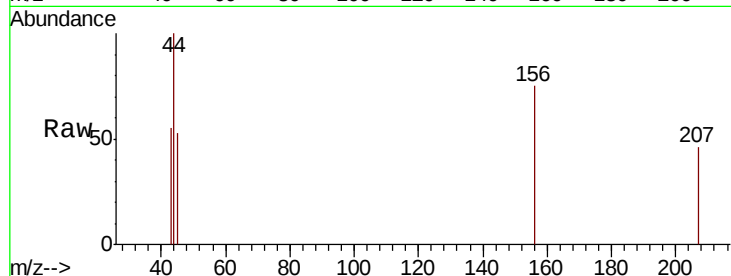
Tot Ion:156 Resp: 461

Ion Ratio Lower Upper

156 100

77 0.0 101.0 302.9#

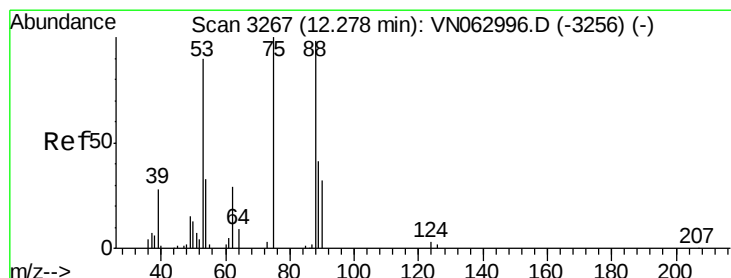
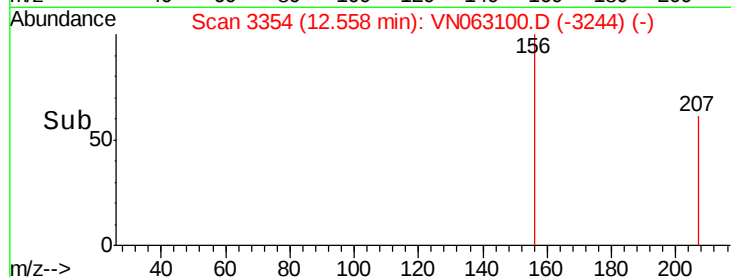
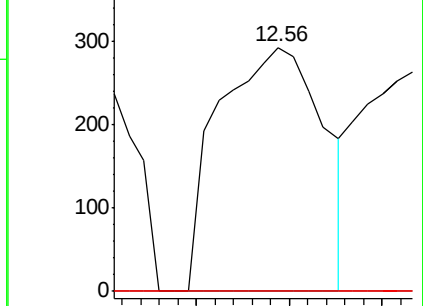
158 0.0 49.4 148.0#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 72.939 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.10 min

Lab File: VN063100.D

Acq: 24 Aug 2020 17:05

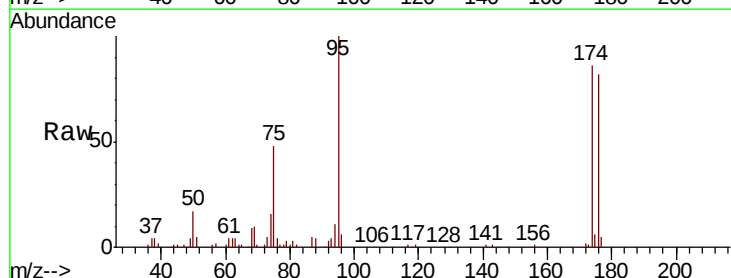
Tgt Ion: 75 Resp: 47871

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

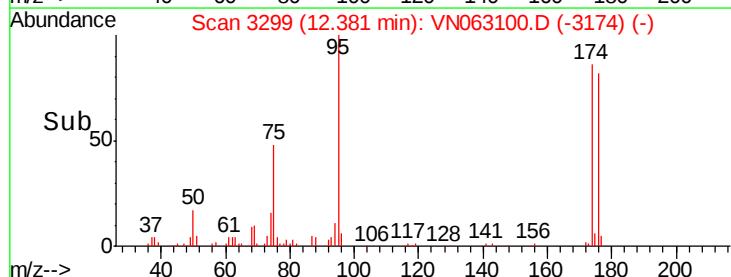
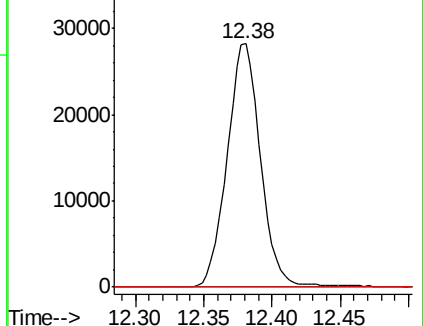
89 0.0 34.2 51.4#

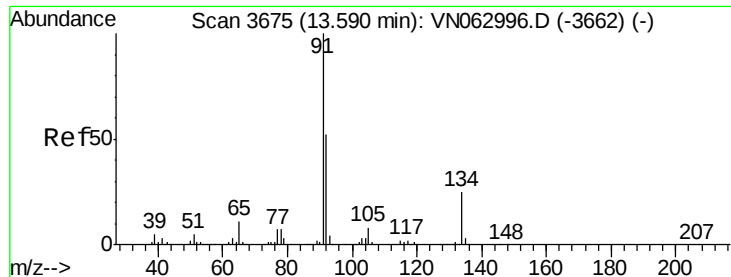


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

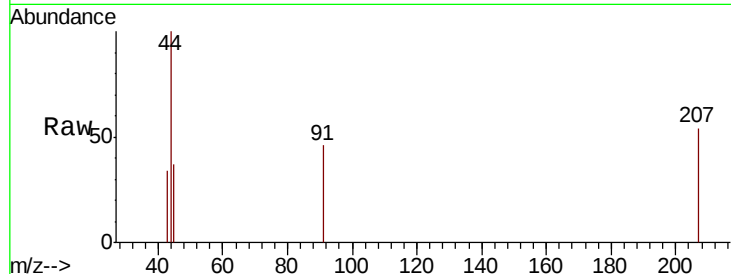




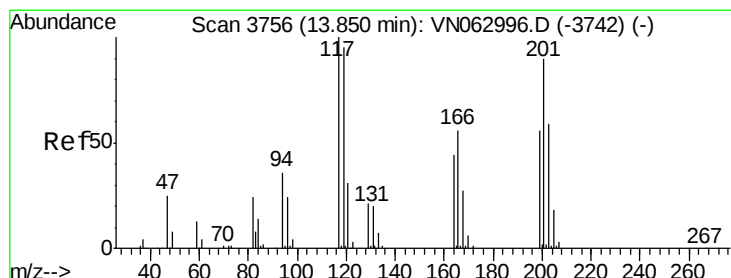
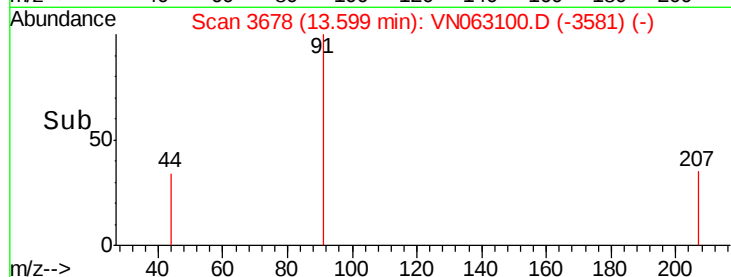
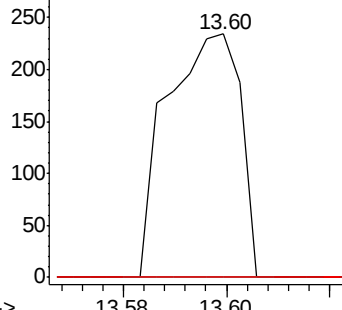
#89
n-Butylbenzene
Concen: 2.814 ug/l
RT: 13.60 min Scan# 3678
Delta R.T. 0.01 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

Instrument :
MSVOA_N
ClientSampled :
DRUM-2

Tot Ion: 91 Resp: 231
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.6#
134 0.0 12.4 37.0#

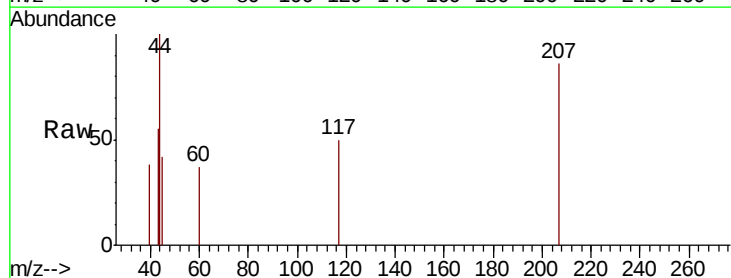


Abundance Ion 91.00 (90.70 to 91.70): VN063100.D (-3581) (-)
Ion 92.00 (91.70 to 92.70): VN063100.D (-3581) (-)
Ion 134.00 (133.70 to 134.70): VN063100.D (-3581) (-)

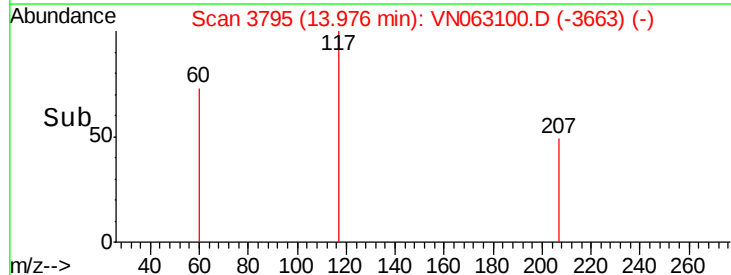
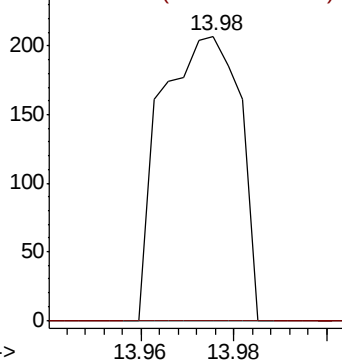


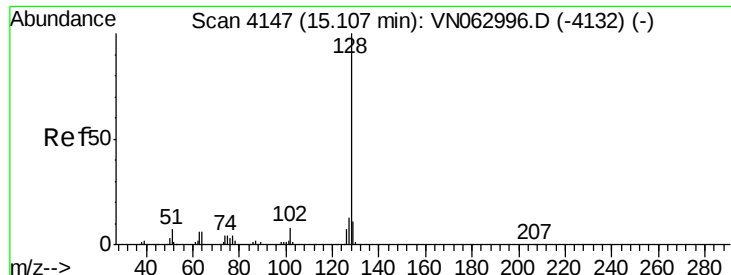
#90
Hexachloroethane
Concen: 0.216 ug/l
RT: 13.98 min Scan# 3795
Delta R.T. 0.13 min
Lab File: VN063100.D
Acq: 24 Aug 2020 17:05

Tgt Ion: 117 Resp: 245
Ion Ratio Lower Upper
117 100
201 0.0 44.1 132.4#



Abundance Ion 116.80 (116.50 to 117.50): VN063100.D (-3663) (-)
Ion 200.70 (200.40 to 201.40): VN063100.D (-3663) (-)





#95

Naphthalene

Concen: 6.171 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN063100.D

Acq: 24 Aug 2020 17:05

Instrument :

MSVOA_N

ClientSampleId :

DRUM-2

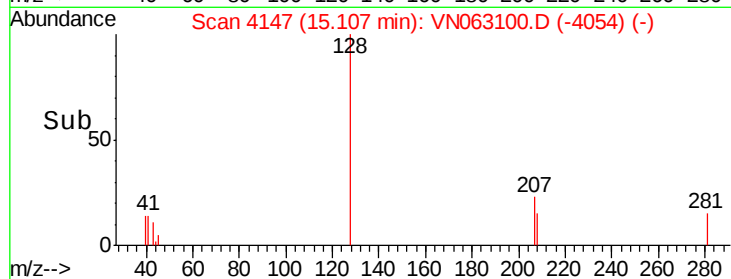
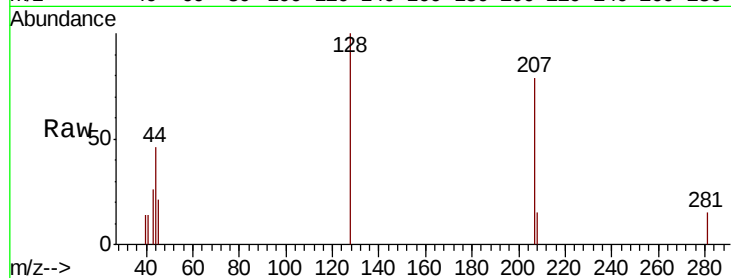
Tot Ion:128 Resp: 2205

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

1500 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

