

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063112.D
 Acq On : 25 Aug 2020 14:04
 Operator : JC/MD
 Sample : L3783-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-538-540

Quant Time: Aug 26 05:39:00 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	133813	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	220301	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	232620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	97447	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	91569	57.74	ug/l	0.00
Spiked Amount			Recovery	=	115.48%	
35) Dibromofluoromethane	7.55	113	76999	53.64	ug/l	0.00
Spiked Amount			Recovery	=	107.28%	
50) Toluene-d8	10.06	98	283267	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.38	95	100262	51.53	ug/l	0.00
Spiked Amount			Recovery	=	103.06%	

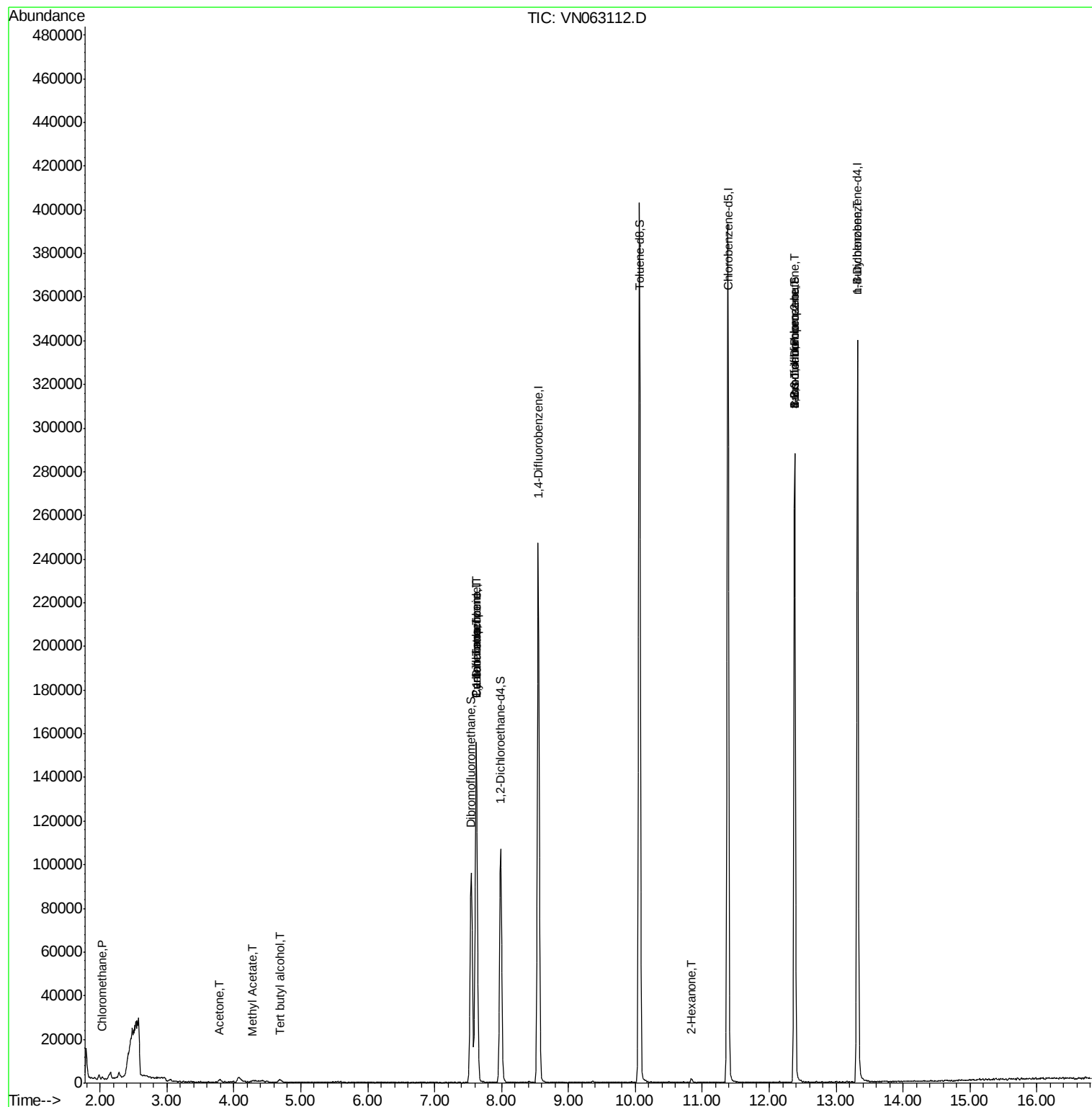
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1158	0.631	ug/l	90
11) Tert butyl alcohol	4.70	59	1303	5.800	ug/l #	74
16) Acetone	3.79	43	2557	1.268	ug/l	92
18) Methyl Acetate	4.27	43	336	0.213	ug/l #	52
20) Methylene Chloride	4.50	84	250	Below Cal	#	85
31) Cyclohexane	7.63	56	2419	1.035	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	9802	5.049	ug/l #	48
38) Carbon Tetrachloride	7.62	117	11984	6.114	ug/l #	16
59) 2-Hexanone	10.83	43	710	0.534	ug/l #	23
71) Bromoform	12.38	173	932	0.644	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	49579	26.175	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49579	71.888	ug/l #	15
89) n-Butylbenzene	13.32	91	146	2.797	ug/l #	34

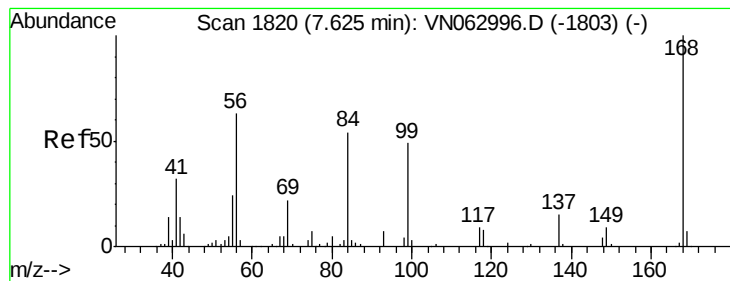
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN063112.D

Acq: 25 Aug 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

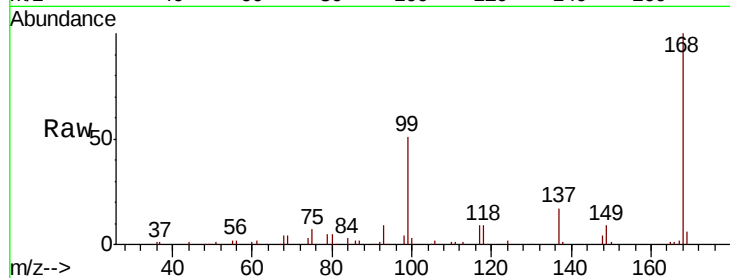
BP-VPB181-GW-538-540

Tot Ion:168 Resp: 133813

Ion Ratio Lower Upper

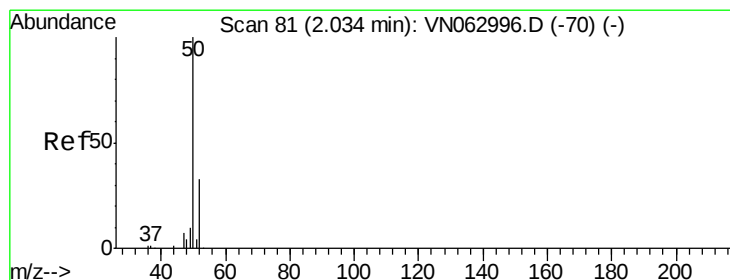
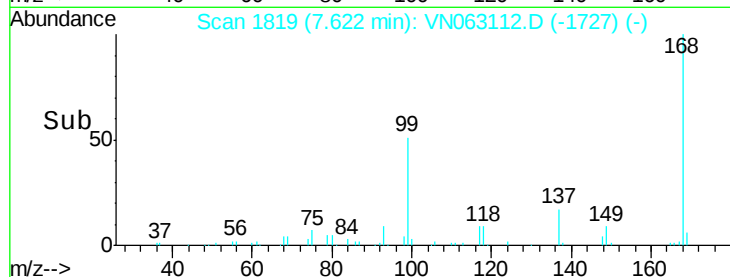
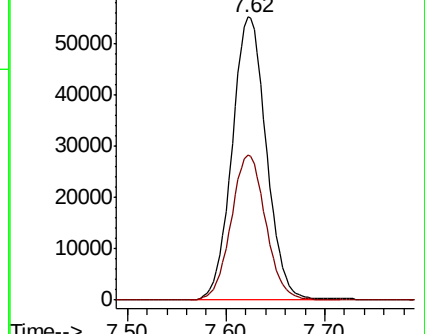
168 100

99 51.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.631 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN063112.D

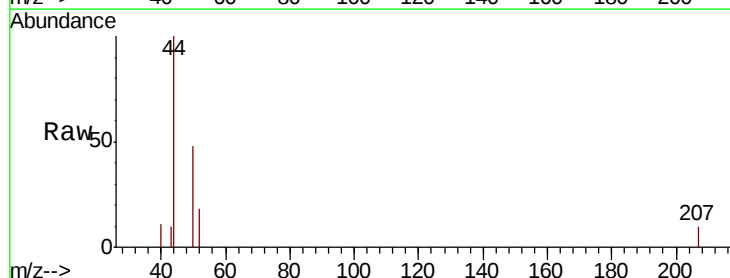
Acq: 25 Aug 2020 14:04

Tgt Ion: 50 Resp: 1158

Ion Ratio Lower Upper

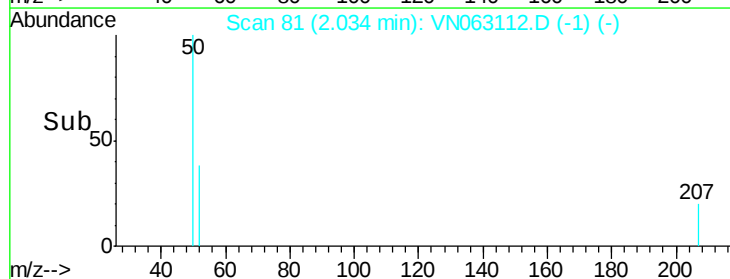
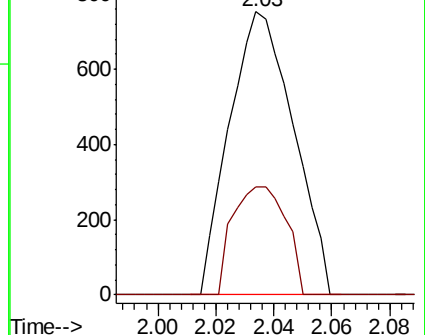
50 100

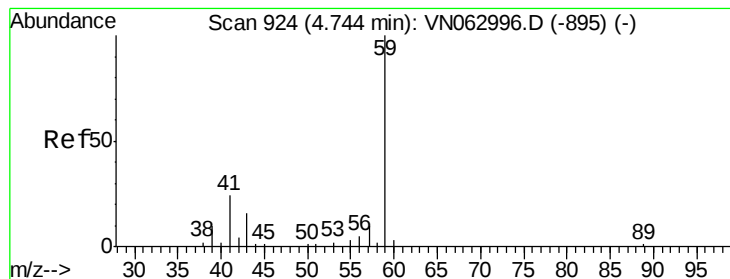
52 38.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



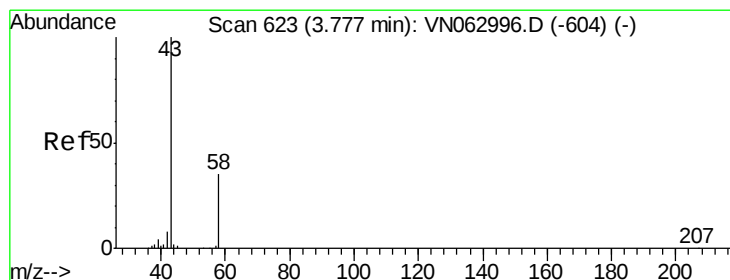
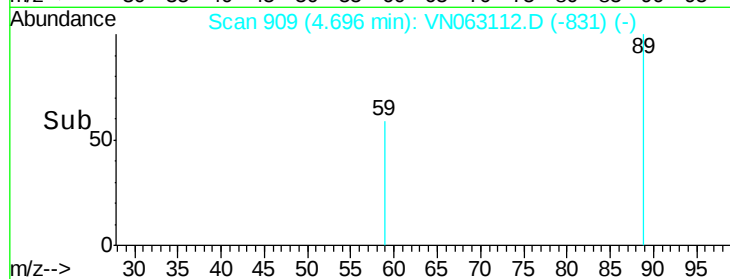
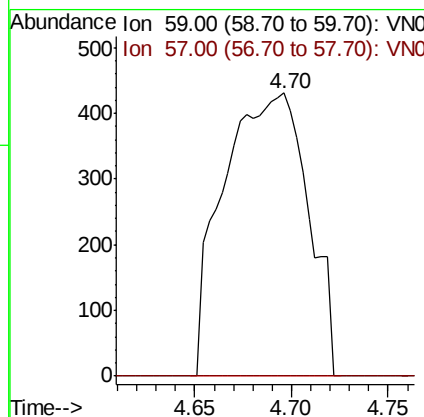
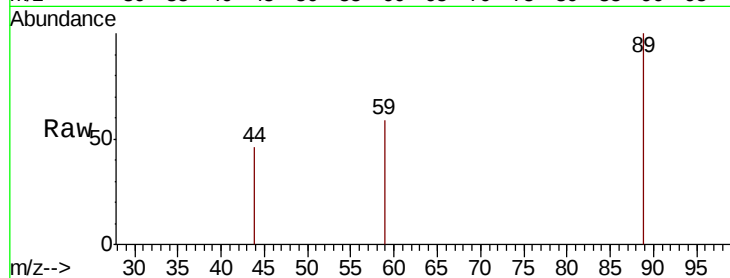


#11

Tert butyl alcohol
 Concen: 5.800 ug/l
 RT: 4.70 min Scan# 909
 Delta R.T. -0.05 min
 Lab File: VN063112.D
 Acq: 25 Aug 2020 14:04

Instrument :
 MSVOA_N
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 BP-VPB181-GW-538-540

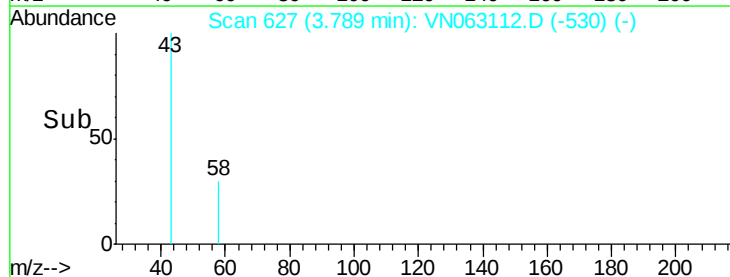
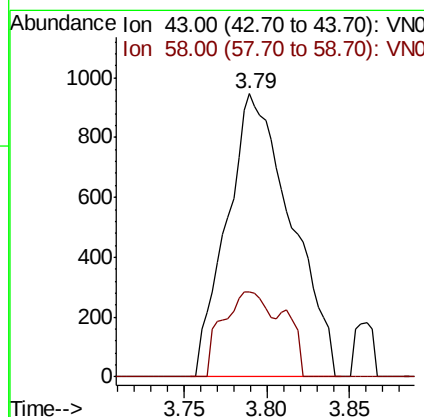
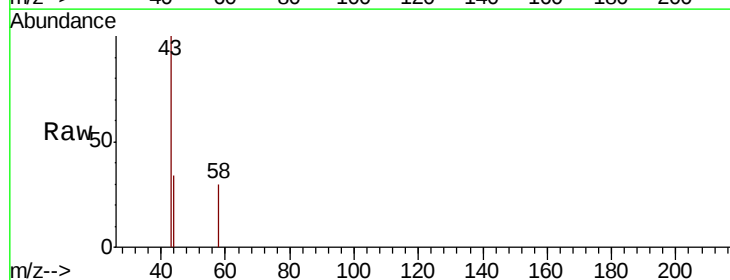
Tot Ion: 59 Resp: 1303
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

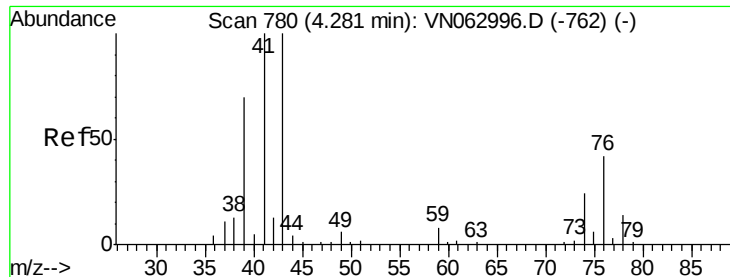


#16

Acetone
 Concen: 1.268 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.01 min
 Lab File: VN063112.D
 Acq: 25 Aug 2020 14:04

Tgt Ion: 43 Resp: 2557
 Ion Ratio Lower Upper
 43 100
 58 29.9 27.8 41.6

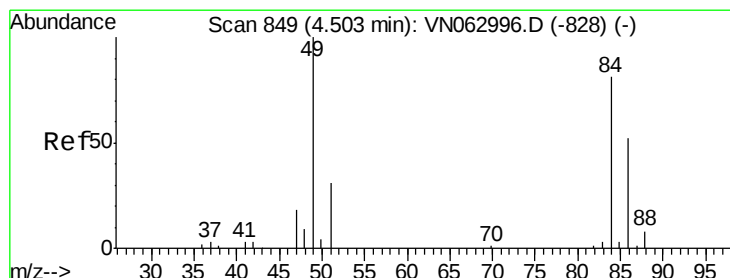
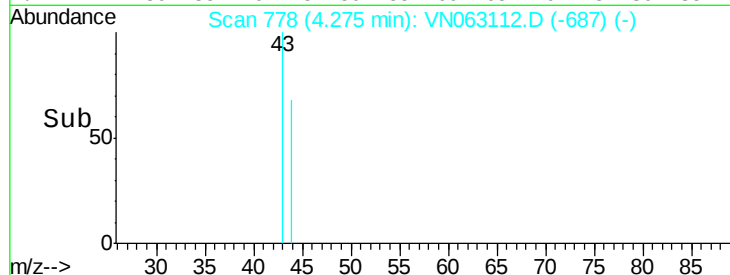
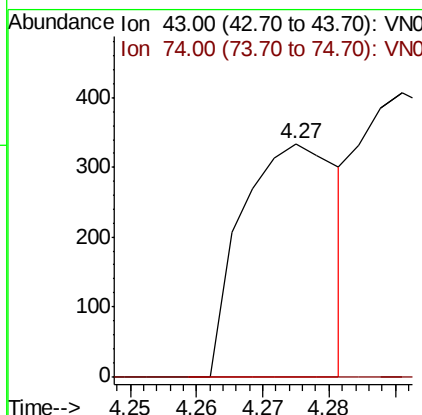
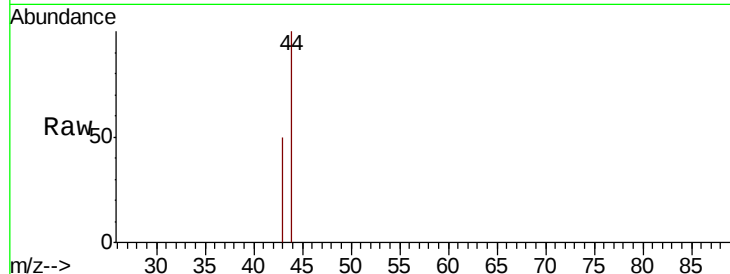




#18
Methyl Acetate
Concen: 0.213 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.01 min
Lab File: VN063112.D
Acq: 25 Aug 2020 14:04

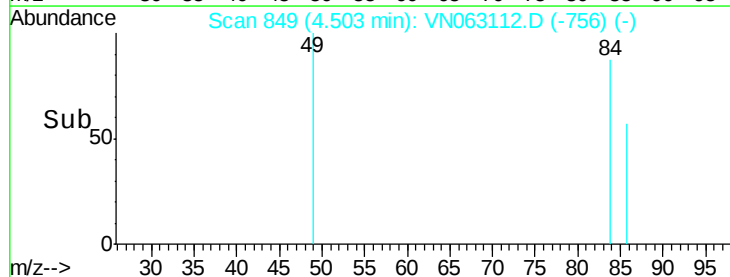
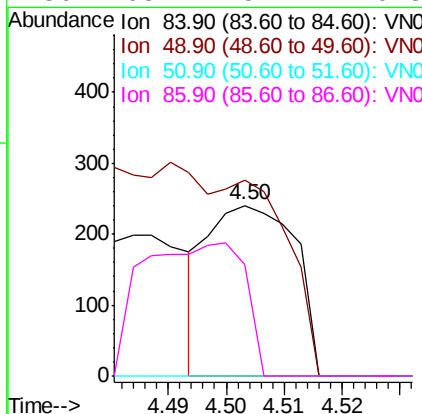
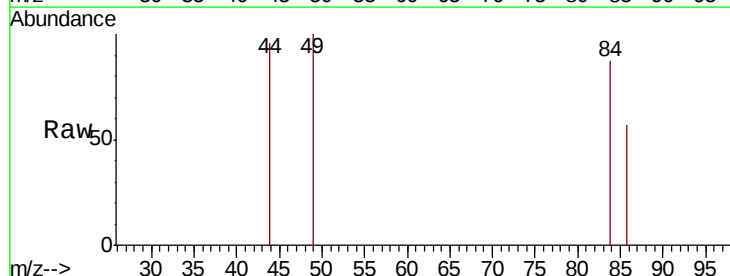
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-538-540

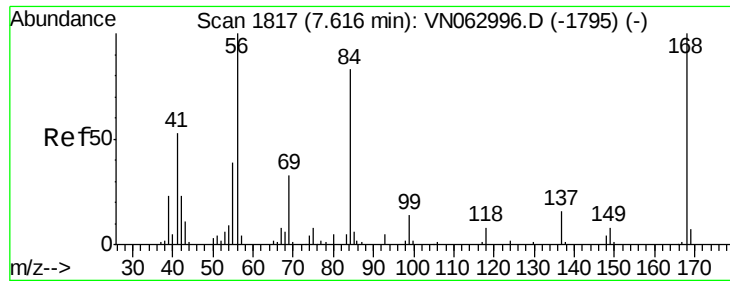
Tot Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN063112.D
Acq: 25 Aug 2020 14:04

Tgt Ion: 84 Resp: 250
Ion Ratio Lower Upper
84 100
49 114.9 98.7 148.1
51 0.0 30.8 46.2#
86 65.1 51.2 76.8

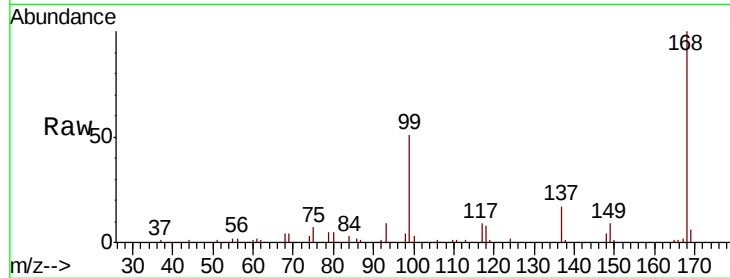




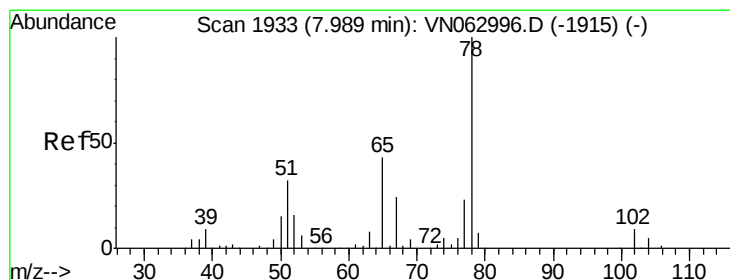
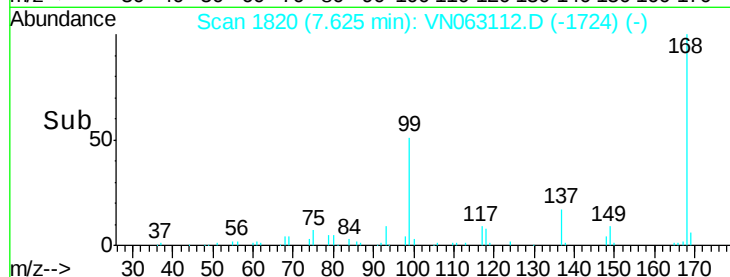
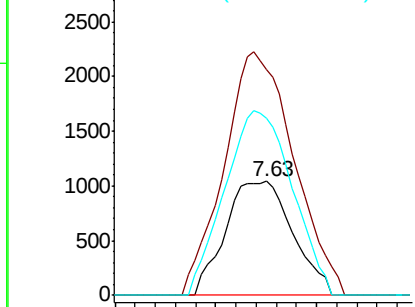
#31
Cyclohexane
Concen: 1.035 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063112.D
Acq: 25 Aug 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-538-540

Tot Ion: 56 Resp: 2419
Ion Ratio Lower Upper
56 100
69 182.0 26.6 40.0#
84 156.0 66.4 99.6#

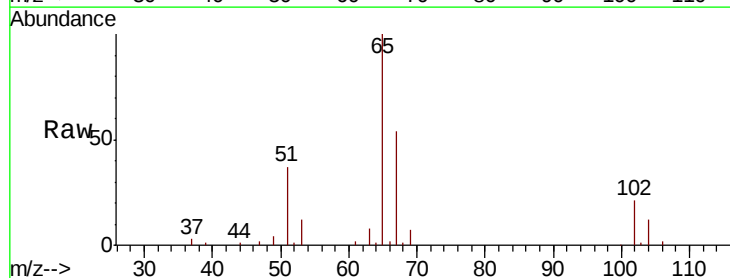


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

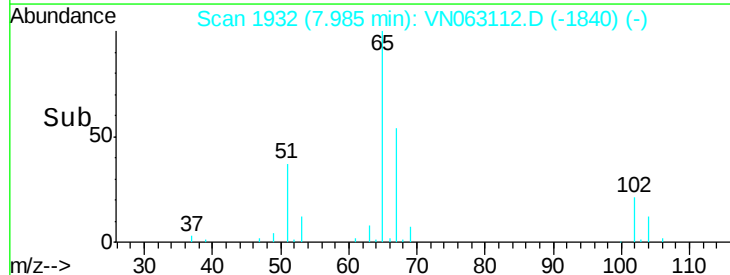
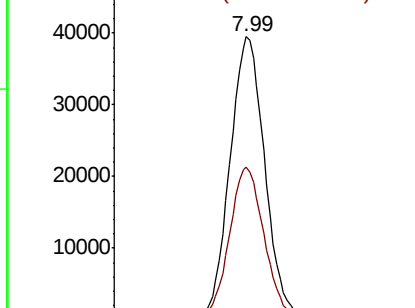


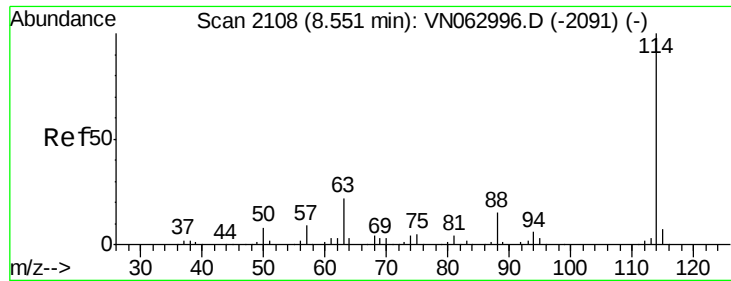
#33
1,2-Dichloroethane-d4
Concen: 57.738 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN063112.D
Acq: 25 Aug 2020 14:04

Tgt Ion: 65 Resp: 91569
Ion Ratio Lower Upper
65 100
67 54.1 0.0 112.0



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: VN063112.D

Acq: 25 Aug 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-538-540

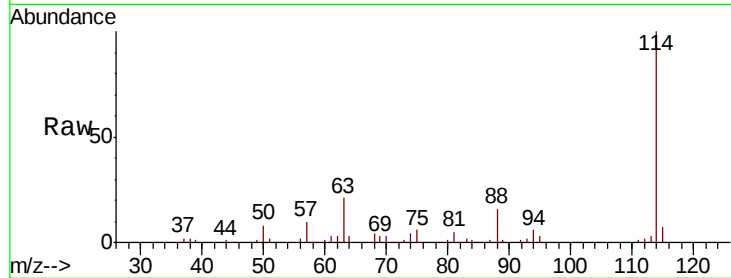
Tot Ion:114 Resp: 220301

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.2

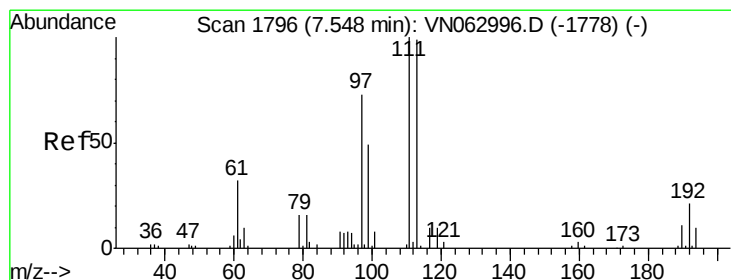
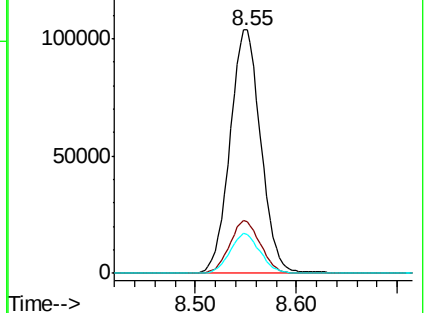
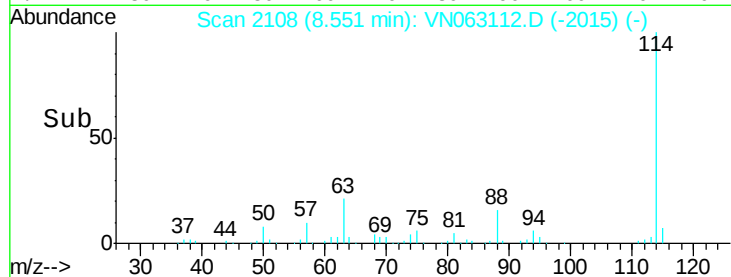
88 16.2 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 53.640 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN063112.D

Acq: 25 Aug 2020 14:04

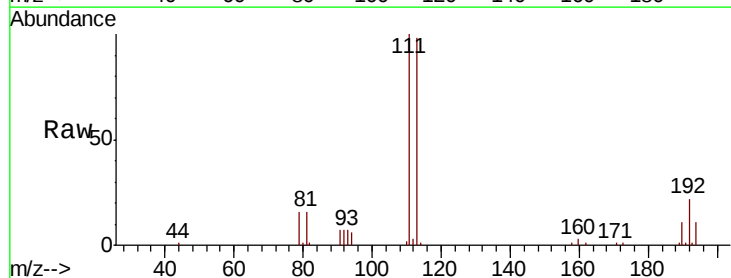
Tgt Ion:113 Resp: 76999

Ion Ratio Lower Upper

113 100

111 100.3 81.7 122.5

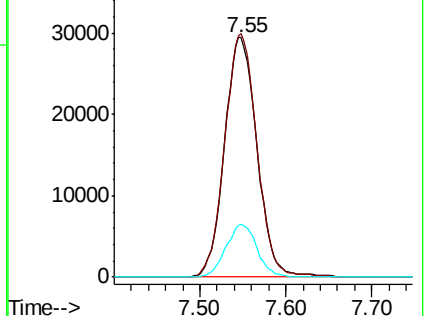
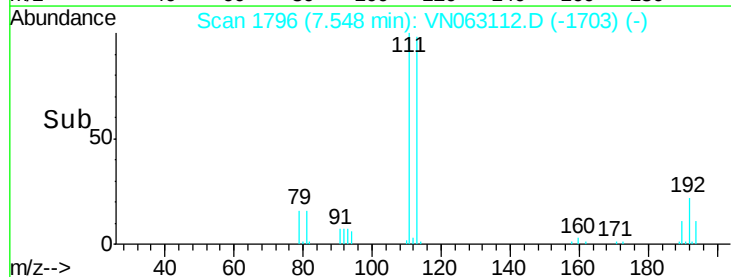
192 21.1 17.5 26.3

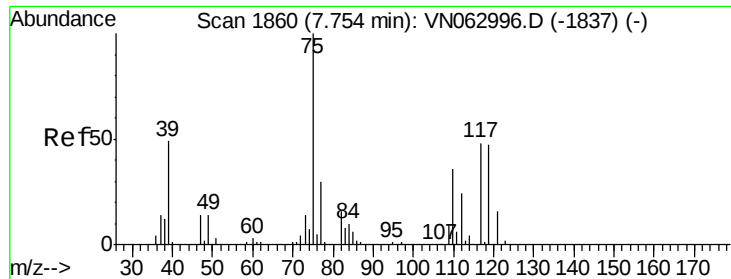


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.049 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.13 min

Lab File: VN063112.D

Acq: 25 Aug 2020 14:04

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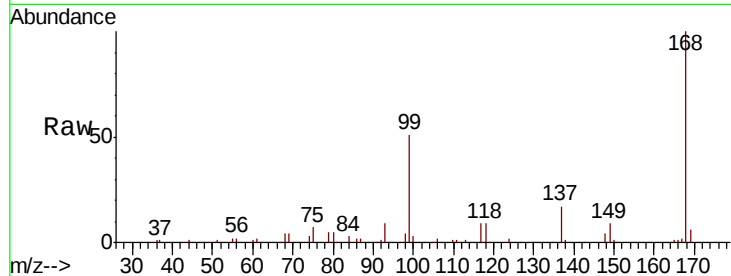
Tot Ion: 75 Resp: 9802

Ion Ratio Lower Upper

75 100

110 6.7 17.5 52.6#

77 0.0 24.2 36.4#

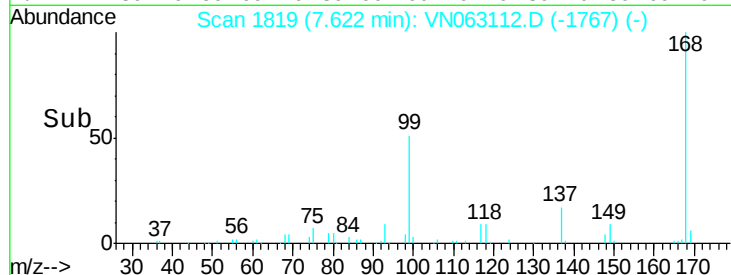


Abundance Ion 74.90 (74.60 to 75.60): VN063112.D (-1767) (-)

Ion 109.90 (109.60 to 110.60): VN063112.D (-1767) (-)

Ion 76.90 (76.60 to 77.60): VN063112.D (-1767) (-)

Time-->



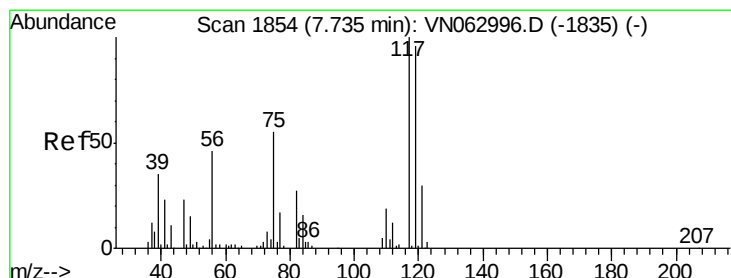
Abundance

Ion 74.90 (74.60 to 75.60): VN063112.D (-1767) (-)

Ion 109.90 (109.60 to 110.60): VN063112.D (-1767) (-)

Ion 76.90 (76.60 to 77.60): VN063112.D (-1767) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.114 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN063112.D

Acq: 25 Aug 2020 14:04

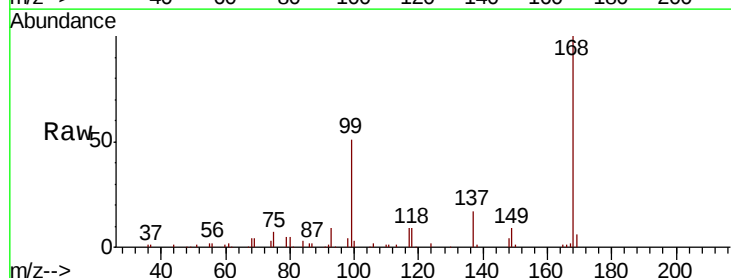
Tgt Ion: 117 Resp: 11984

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.4#

121 0.0 24.2 36.2#

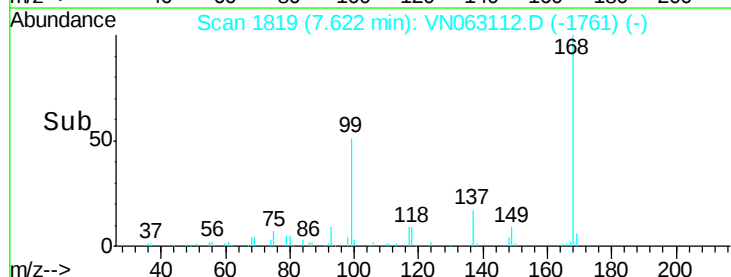


Abundance Ion 116.80 (116.50 to 117.50): VN063112.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN063112.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN063112.D (-1761) (-)

Time-->



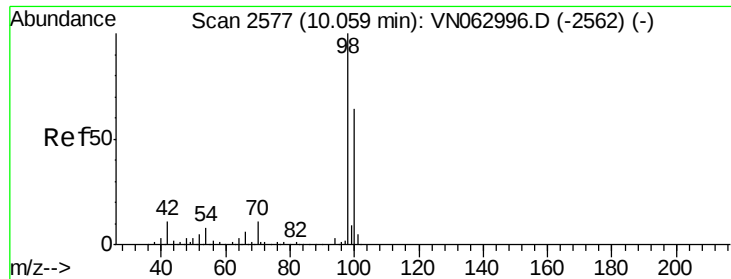
Abundance

Ion 116.80 (116.50 to 117.50): VN063112.D (-1761) (-)

Ion 118.80 (118.50 to 119.50): VN063112.D (-1761) (-)

Ion 120.80 (120.50 to 121.50): VN063112.D (-1761) (-)

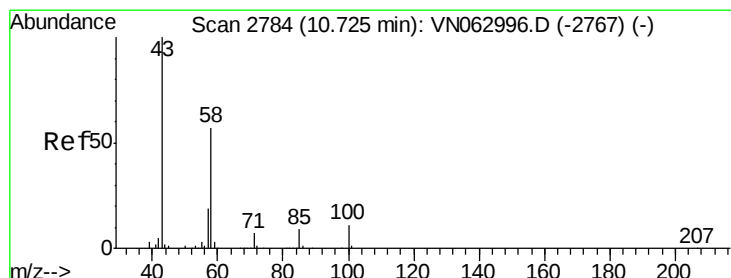
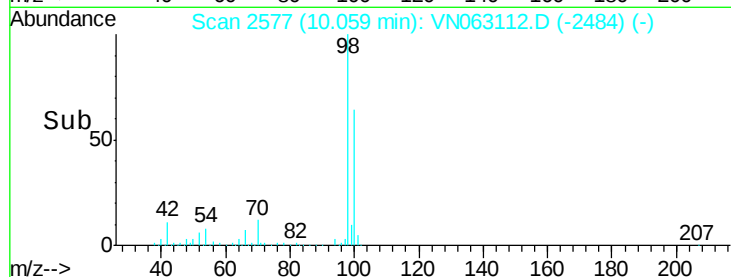
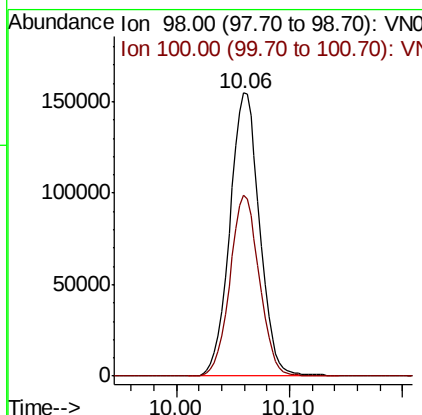
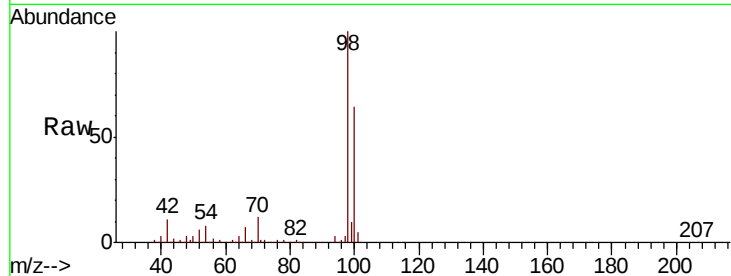
Time-->



#50
Toluene-d8
Concen: 51.375 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063112.D
Acq: 25 Aug 2020 14:04

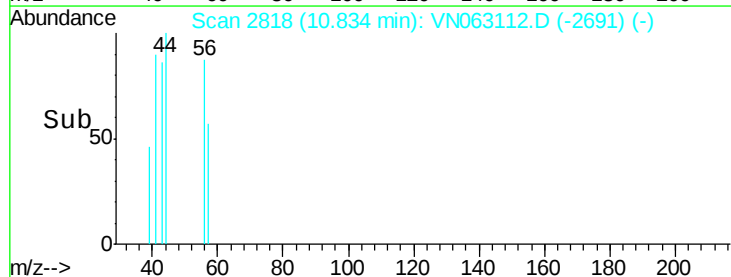
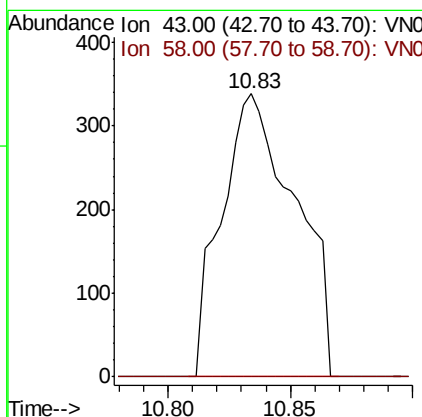
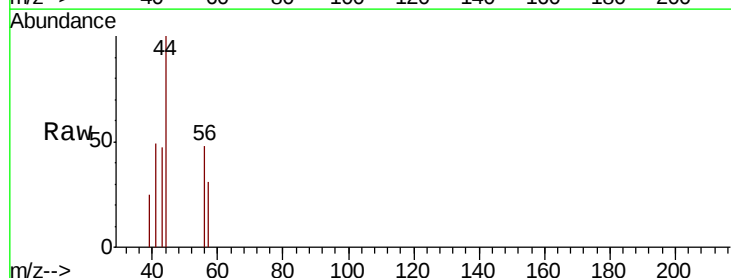
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-538-540

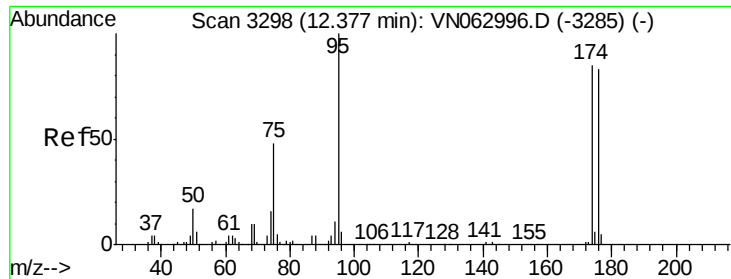
Tot Ion: 98 Resp: 283267
Ion Ratio Lower Upper
98 100
100 63.2 51.2 76.8



#59
2-Hexanone
Concen: 0.534 ug/l
RT: 10.83 min Scan# 2818
Delta R.T. 0.11 min
Lab File: VN063112.D
Acq: 25 Aug 2020 14:04

Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

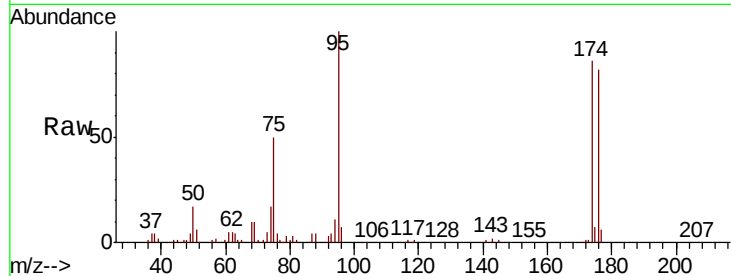




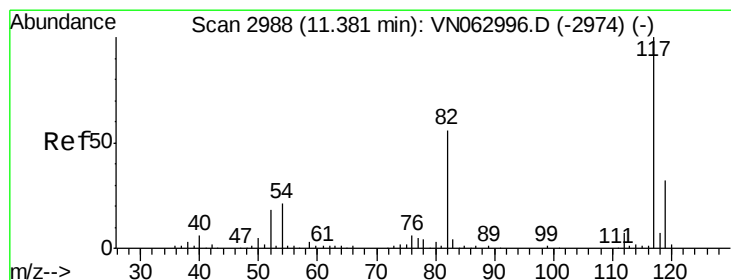
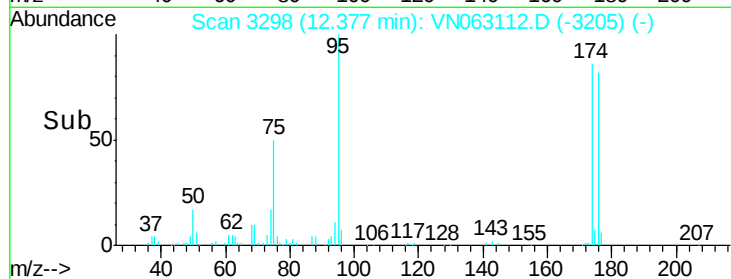
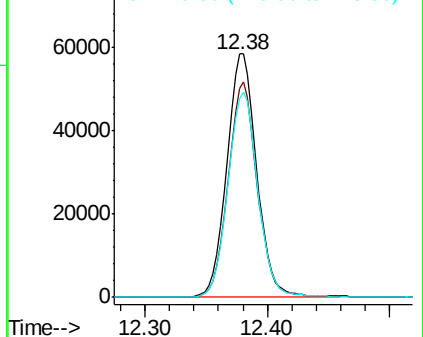
#62
4-Bromofluorobenzene
Concen: 51.530 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063112.D
Acq: 25 Aug 2020 14:04

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-538-540

Tot Ion	Ratio	Lower	Upper
95	100		
174	86.6	0.0	170.8
176	84.3	0.0	164.8

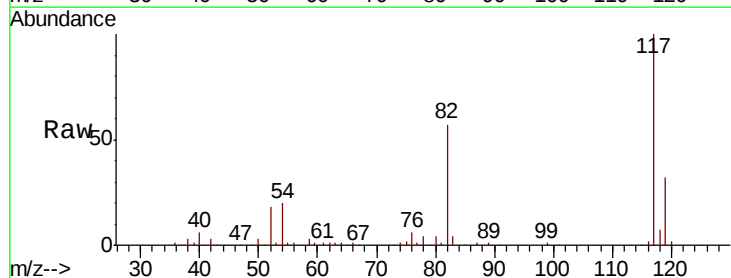


Abundance Ion 94.90 (94.60 to 95.60): VN062996.D (-3285) (-)
Ion 173.80 (173.50 to 174.50): VN062996.D (-3285) (-)
Ion 175.80 (175.50 to 176.50): VN062996.D (-3285) (-)

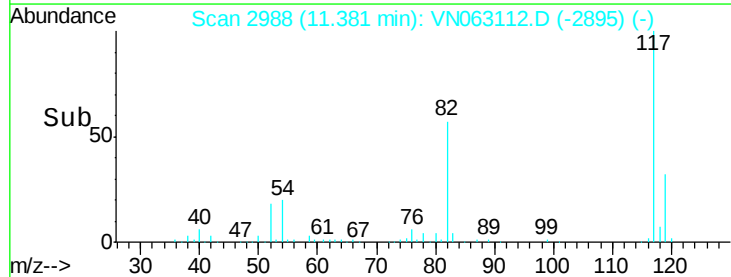
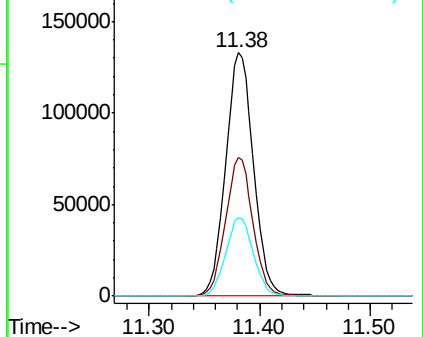


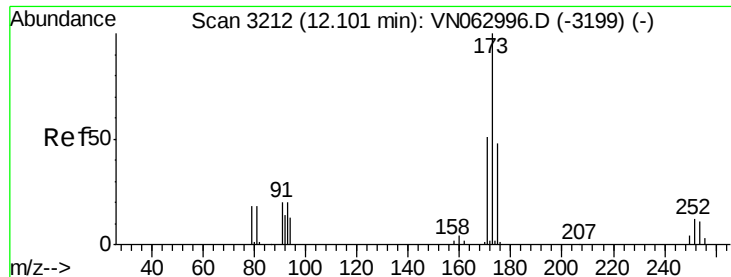
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063112.D
Acq: 25 Aug 2020 14:04

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	44.5	66.7
119	32.4	25.5	38.3



Abundance Ion 116.90 (116.60 to 117.60): VN062996.D (-2974) (-)
Ion 82.00 (81.70 to 82.70): VN062996.D (-2974) (-)
Ion 118.90 (118.60 to 119.60): VN062996.D (-2974) (-)





#71

Bromoform

Concen: 0.644 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN063112.D

Acq: 25 Aug 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-538-540

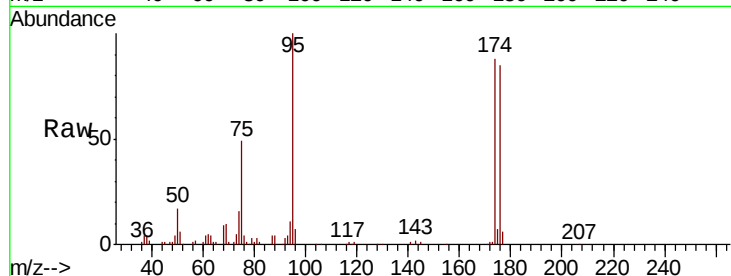
Tot Ion:173 Resp: 932

Ion Ratio Lower Upper

173 100

175 539.4 24.3 72.8#

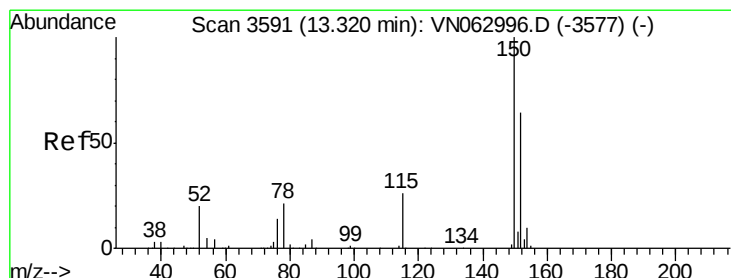
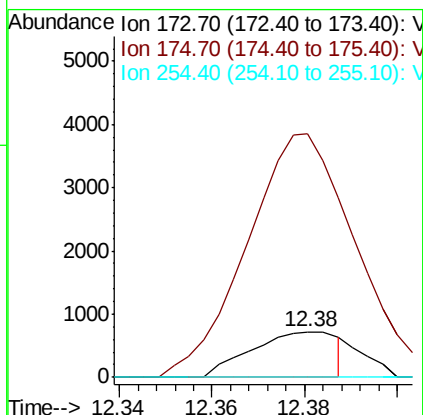
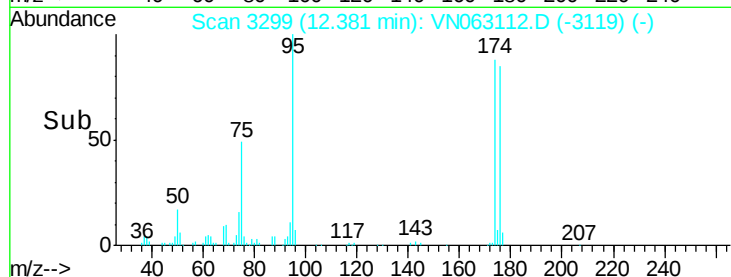
254 0.0 0.0 0.0



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: VN063112.D

Acq: 25 Aug 2020 14:04

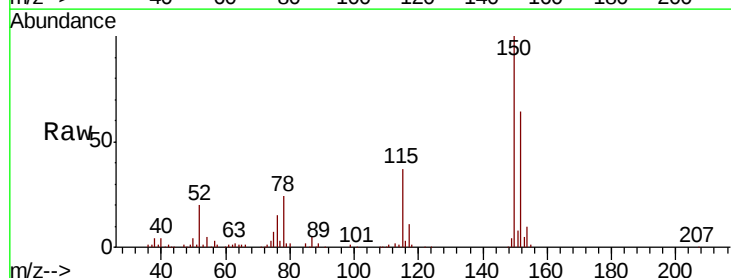
Tgt Ion:152 Resp: 97447

Ion Ratio Lower Upper

152 100

115 57.3 28.7 86.3

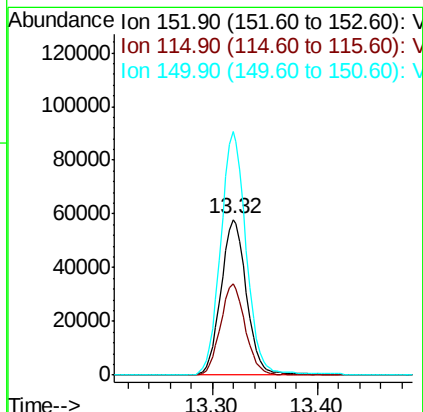
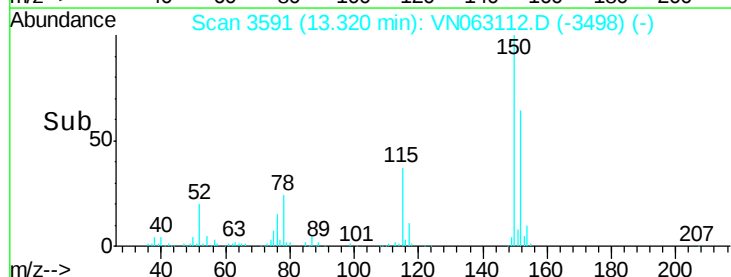
150 155.6 0.0 348.8

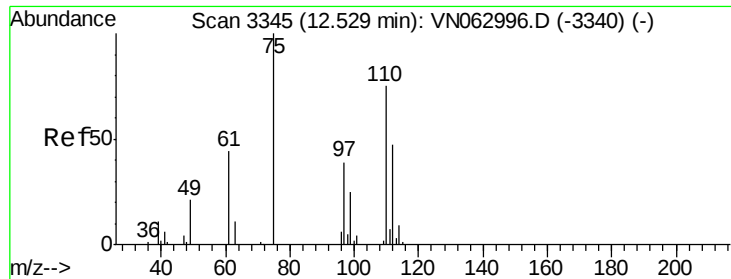


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.175 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063112.D

Acq: 25 Aug 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

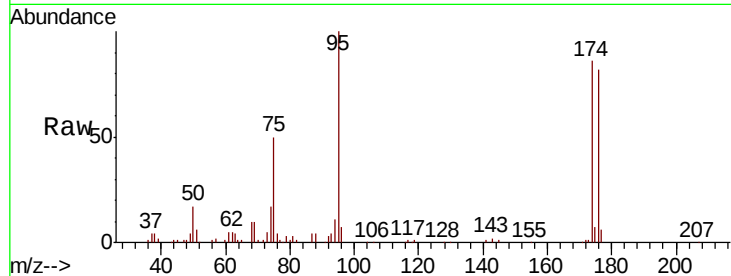
BP-VPB181-GW-538-540

Tot Ion: 75 Resp: 49579

Ion Ratio Lower Upper

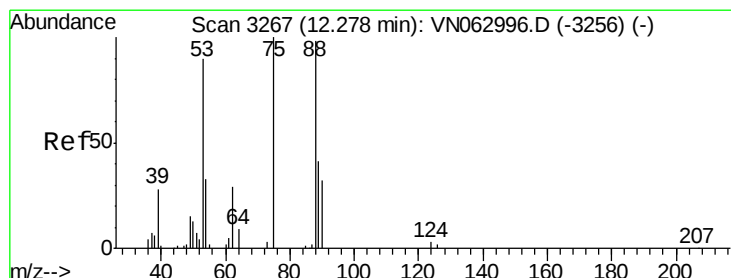
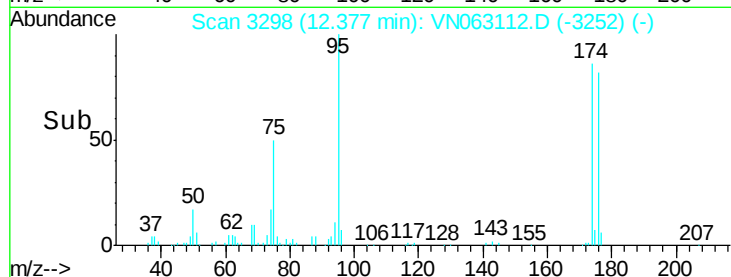
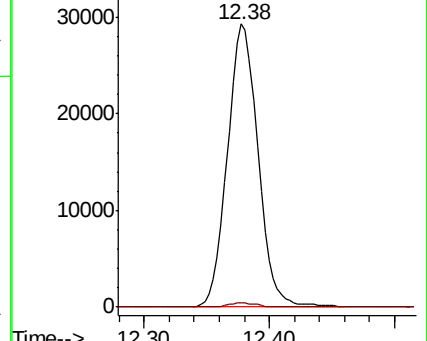
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 71.888 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063112.D

Acq: 25 Aug 2020 14:04

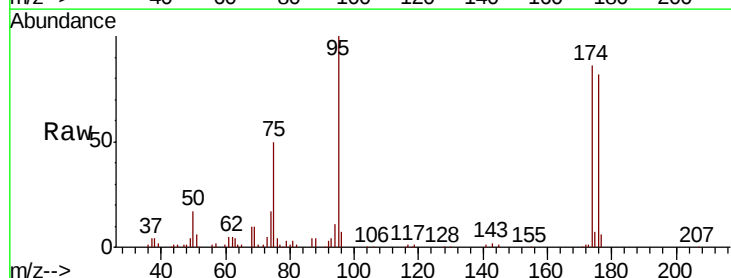
Tgt Ion: 75 Resp: 49579

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

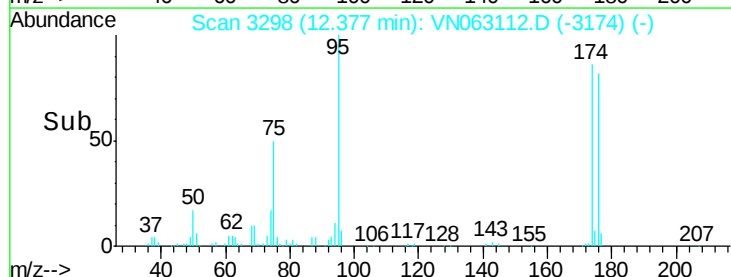
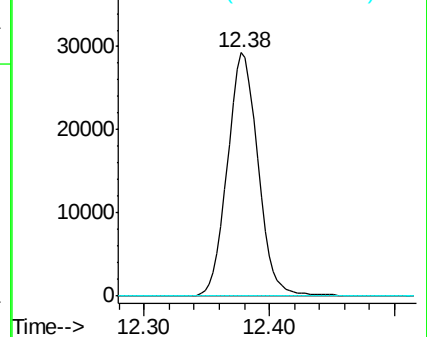
89 0.0 34.2 51.4#

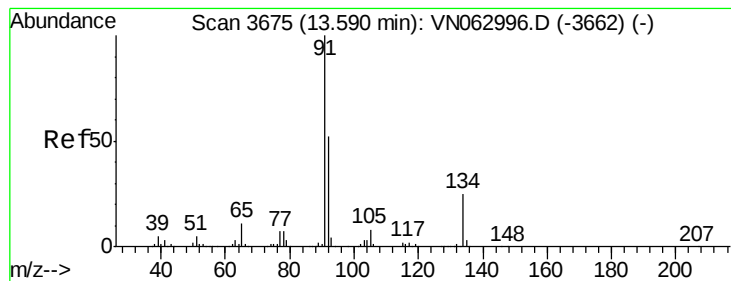


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#89

n-Butylbenzene

Concen: 2.797 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.27 min

Lab File: VN063112.D

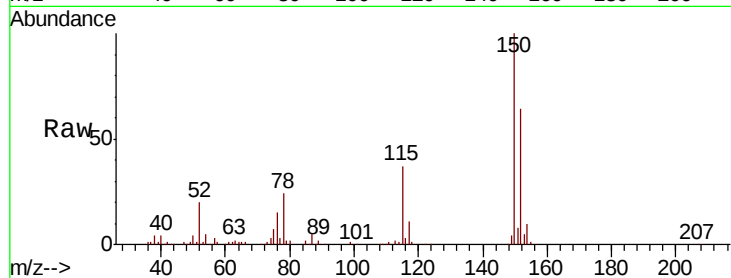
Acq: 25 Aug 2020 14:04

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-538-540



Tot Ion:	91	Resp:	146
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.6#
134	0.0	12.4	37.0#

