

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082520\
 Data File : VN063111.D
 Acq On : 25 Aug 2020 13:40
 Operator : JC/MD
 Sample : L3783-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-518-520

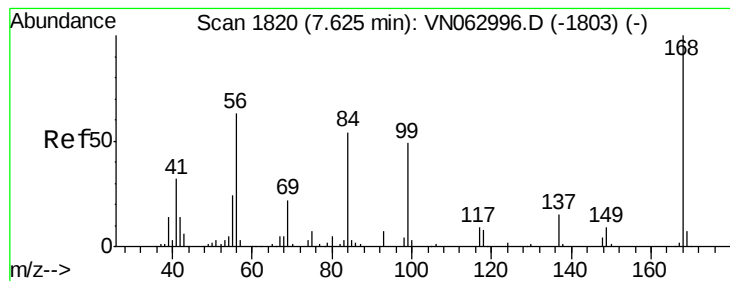
Quant Time: Aug 26 05:38:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	143643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	236623	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	94553	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	90105	52.93	ug/l	0.00
Spiked Amount			Recovery	=	105.86%	
35) Dibromofluoromethane	7.55	113	78590	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	
50) Toluene-d8	10.06	98	306619	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
62) 4-Bromofluorobenzene	12.38	95	102006	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	891	0.452	ug/l	92
6) Chloroethane	2.58	64	252	0.224	ug/l #	43
16) Acetone	3.80	43	1728	Below Cal		91
17) Carbon Disulfide	3.97	76	1995	0.625	ug/l #	76
18) Methyl Acetate	4.29	43	1453	0.859	ug/l #	52
20) Methylene Chloride	4.47	84	189	Below Cal	#	61
31) Cyclohexane	7.62	56	2360	0.941	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	9784	4.692	ug/l #	48
38) Carbon Tetrachloride	7.62	117	12726	6.045	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1318	0.644	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	49157	26.746	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	49157	73.457	ug/l #	15
89) n-Butylbenzene	13.32	91	108	2.790	ug/l #	34
95) Naphthalene	15.12	128	249	5.701	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

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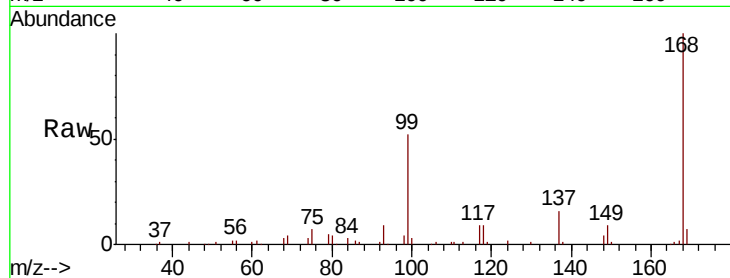
BP-VPB181-GW-518-520

Tot Ion:168 Resp: 143643

Ion Ratio Lower Upper

168 100

99 51.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

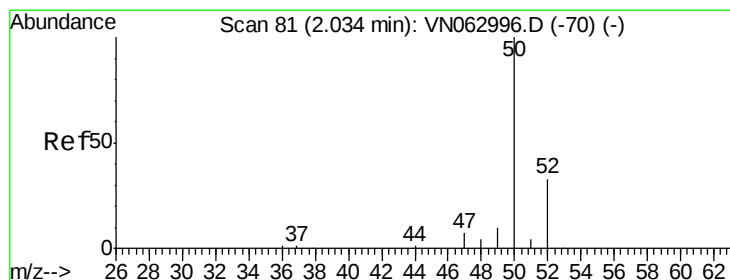
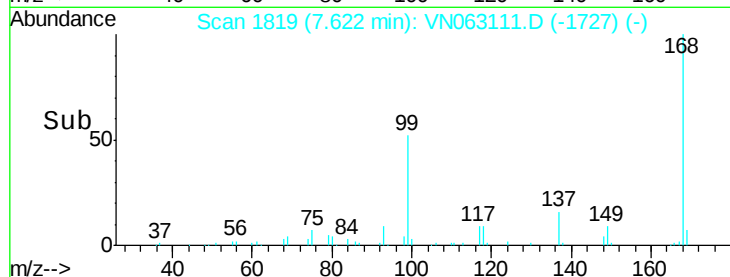
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.452 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN063111.D

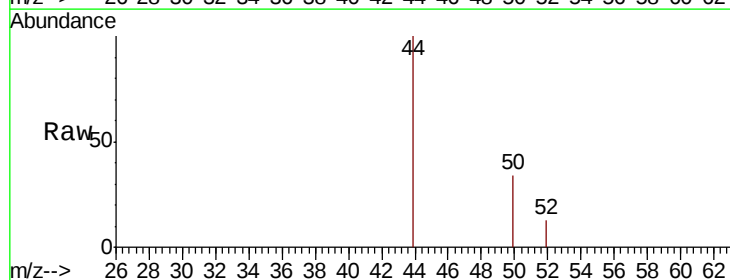
Acq: 25 Aug 2020 13:40

Tgt Ion: 50 Resp: 891

Ion Ratio Lower Upper

50 100

52 36.9 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

600

500

400

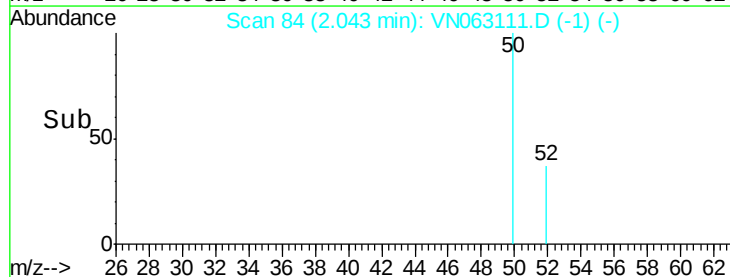
300

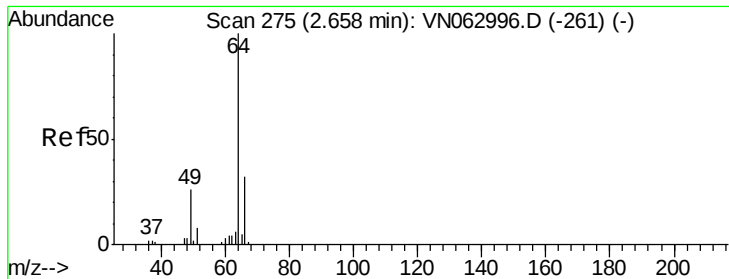
200

100

0

Time--> 2.00 2.05





#6

Chloroethane

Concen: 0.224 ug/l

RT: 2.58 min Scan# 252

Delta R.T. -0.07 min

Lab File: VN063111.D

Acq: 25 Aug 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

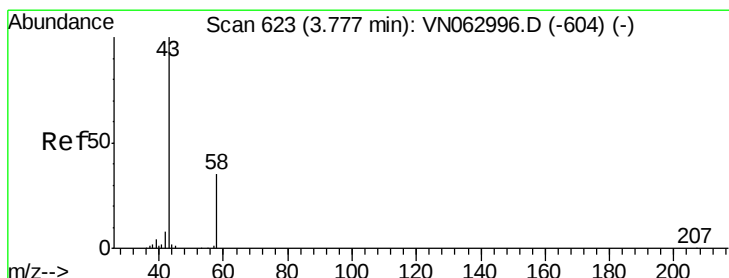
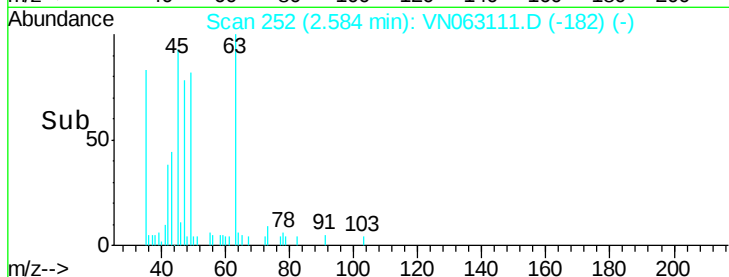
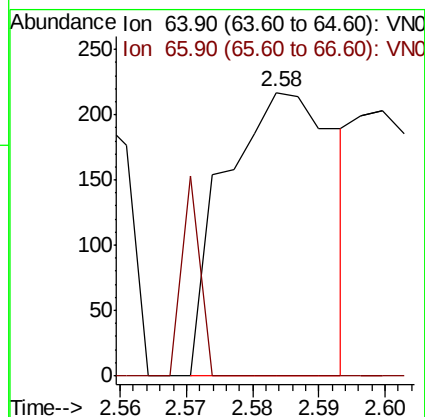
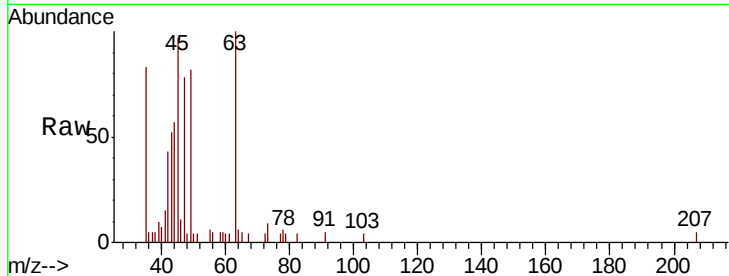
BP-VPB181-GW-518-520

Tot Ion: 64 Resp: 252

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN063111.D

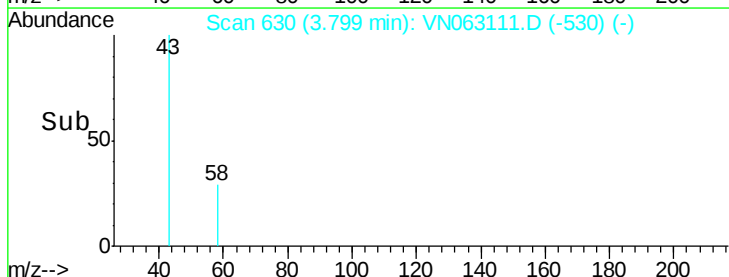
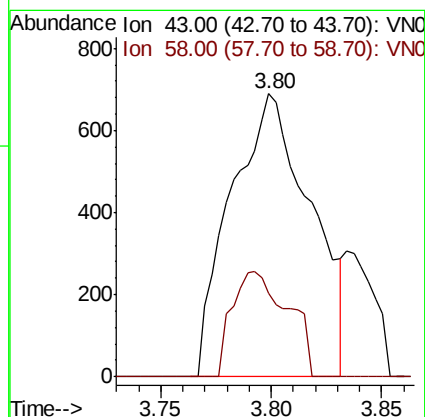
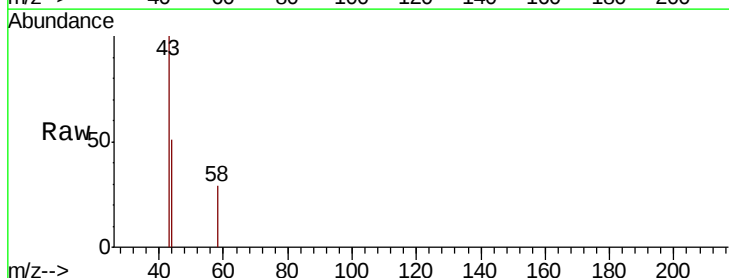
Acq: 25 Aug 2020 13:40

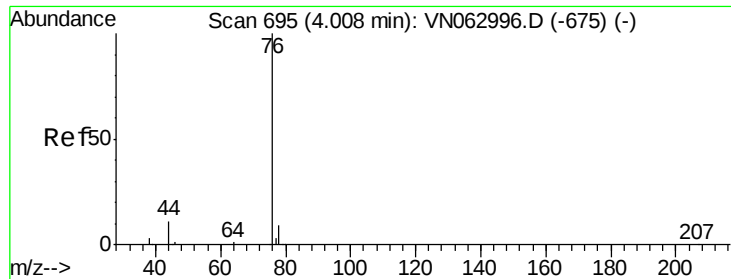
Tgt Ion: 43 Resp: 1728

Ion Ratio Lower Upper

43 100

58 29.5 27.8 41.6





#17

Carbon Disulfide

Concen: 0.625 ug/l

RT: 3.97 min Scan# 682

Delta R.T. -0.04 min

Lab File: VN063111.D

Acq: 25 Aug 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

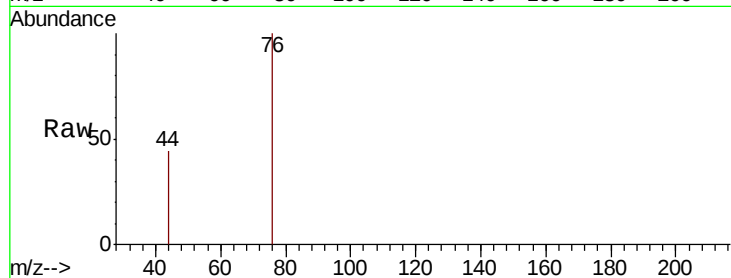
BP-VPB181-GW-518-520

Tot Ion: 76 Resp: 1995

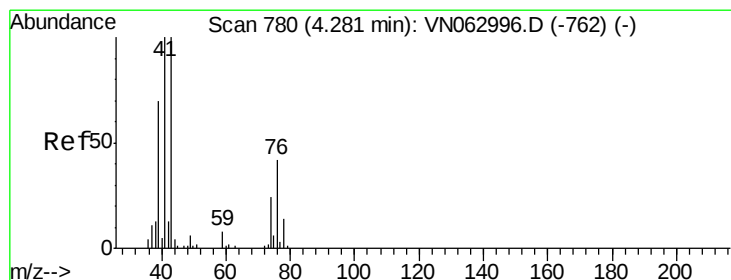
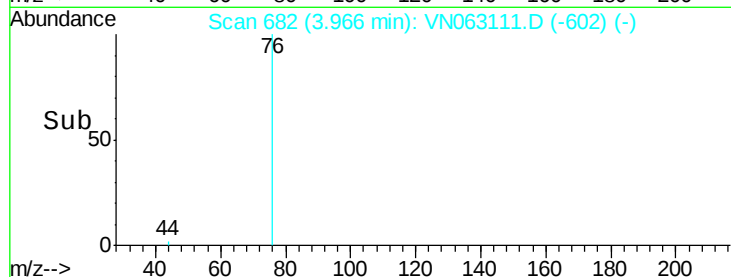
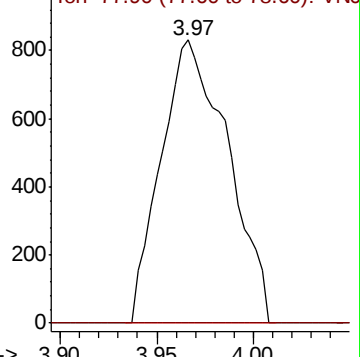
Ion Ratio Lower Upper

76 100

78 0.0 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VN062996.D (-675) (-)



#18

Methyl Acetate

Concen: 0.859 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.01 min

Lab File: VN063111.D

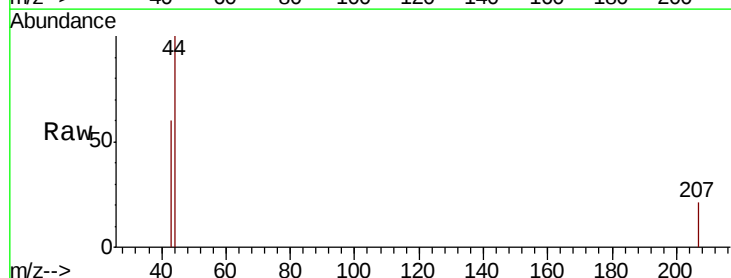
Acq: 25 Aug 2020 13:40

Tgt Ion: 43 Resp: 1453

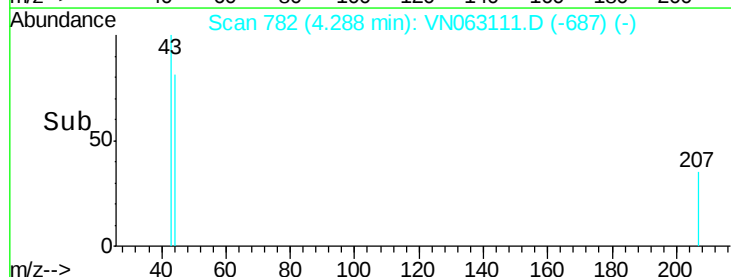
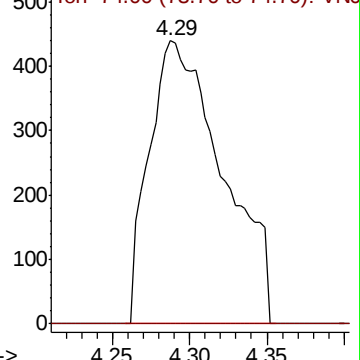
Ion Ratio Lower Upper

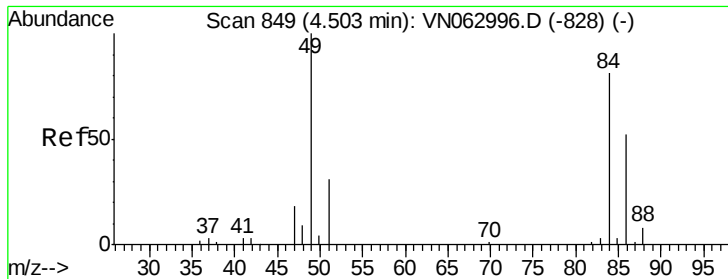
43 100

74 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VN063111.D (-687) (-)



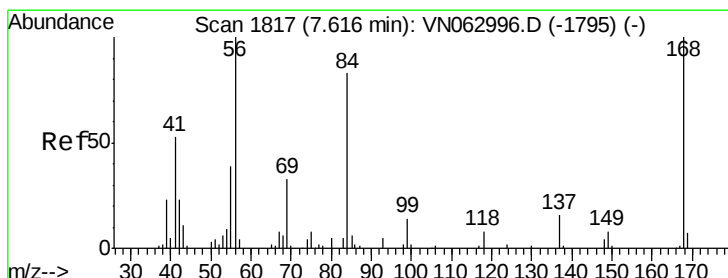
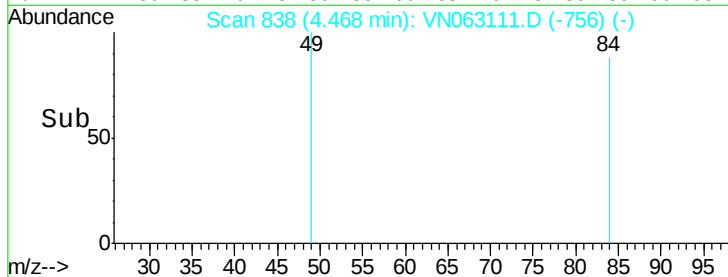
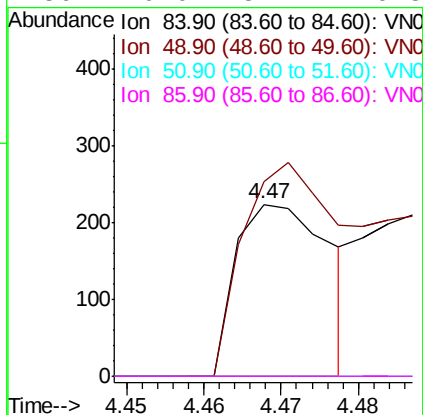
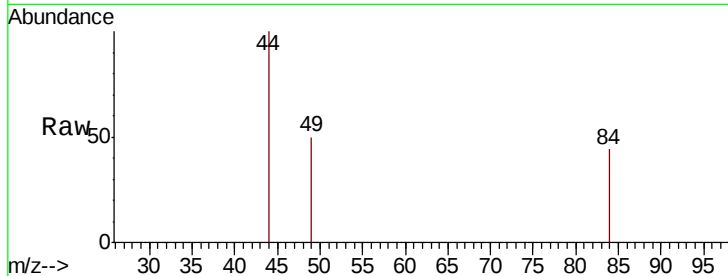


#20

Methylene Chloride
 Concen: Below Cal
 RT: 4.47 min Scan# 838
 Delta R.T. -0.04 min
 Lab File: VN063111.D
 Acq: 25 Aug 2020 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-518-520

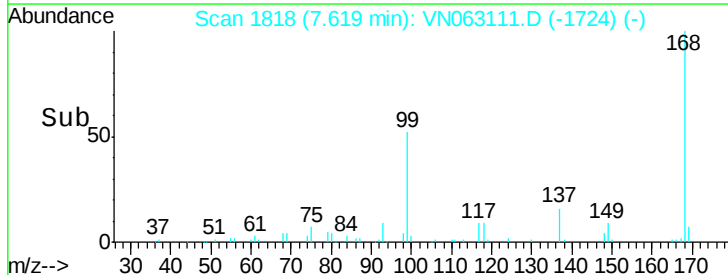
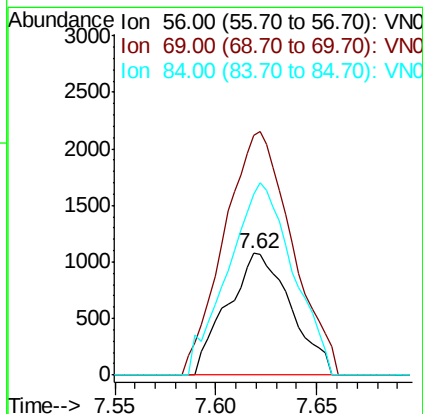
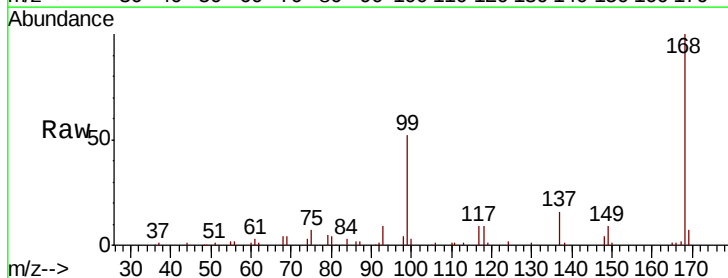
Tot Ion: 84 Resp: 189
 Ion Ratio Lower Upper
 84 100
 49 113.4 98.7 148.1
 51 0.0 30.8 46.2#
 86 0.0 51.2 76.8#

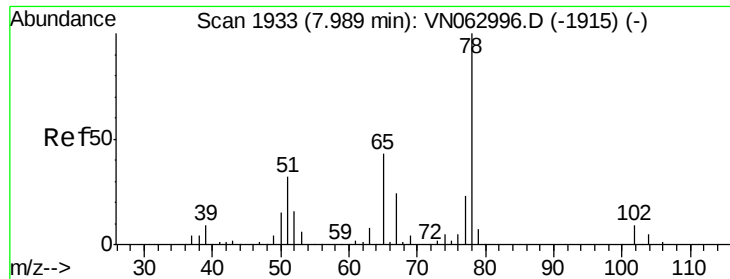


#31

Cyclohexane
 Concen: 0.941 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VN063111.D
 Acq: 25 Aug 2020 13:40

Tgt Ion: 56 Resp: 2360
 Ion Ratio Lower Upper
 56 100
 69 196.6 26.6 40.0#
 84 148.4 66.4 99.6#

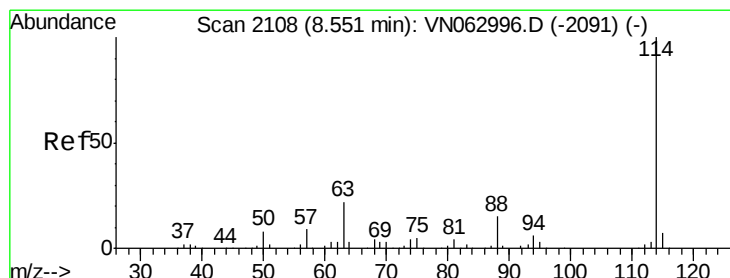
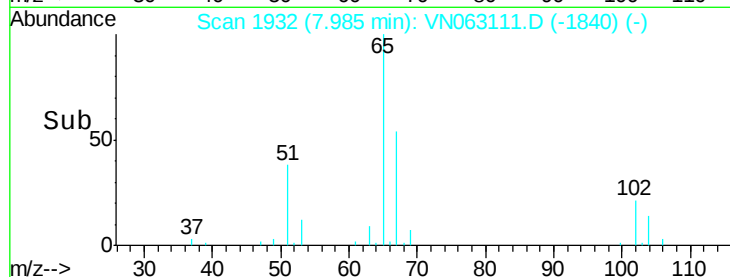
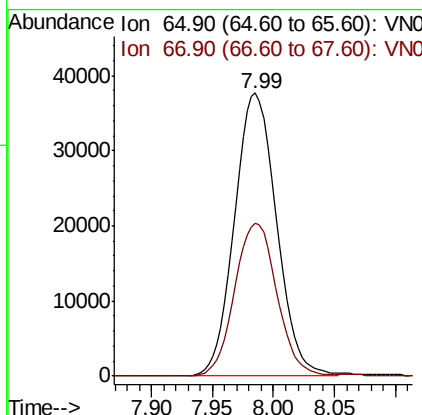
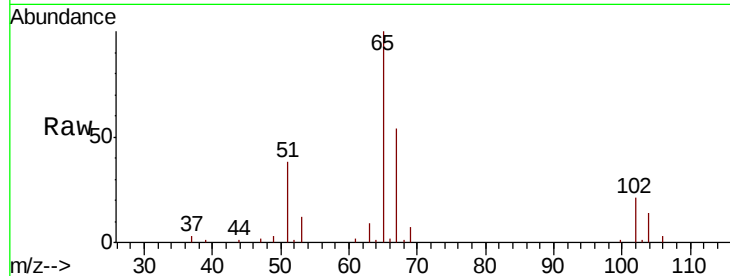




#33
 1,2-Dichloroethane-d4
 Concen: 52.927 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063111.D
 Acq: 25 Aug 2020 13:40

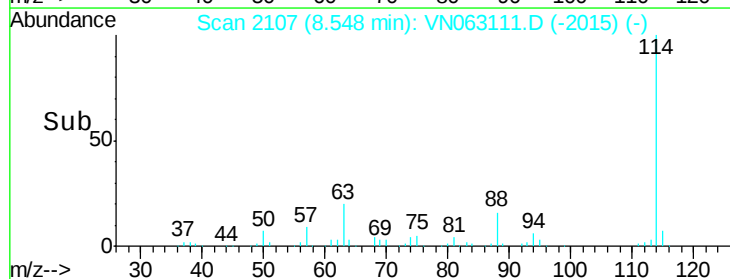
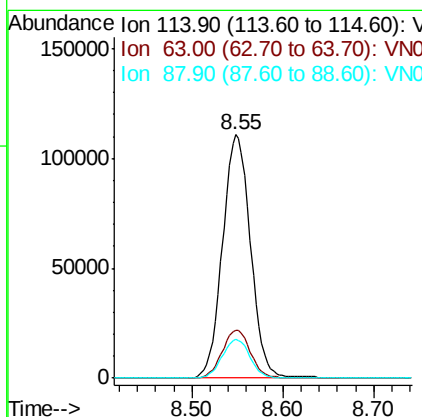
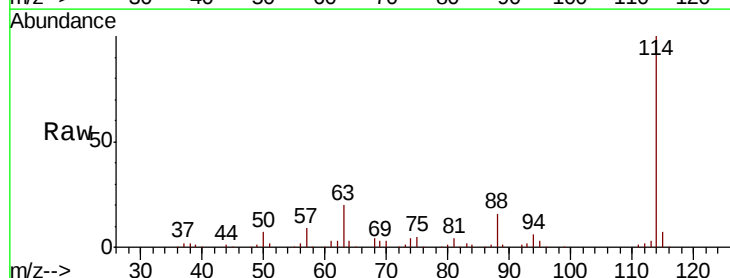
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB181-GW-518-520

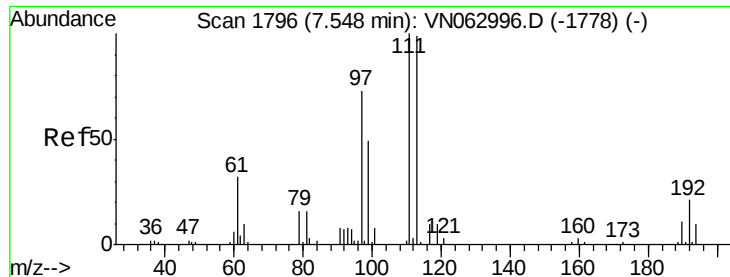
Tot Ion: 65 Resp: 90105
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063111.D
 Acq: 25 Aug 2020 13:40

Tgt Ion: 114 Resp: 236623
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.2
 88 15.8 0.0 30.6

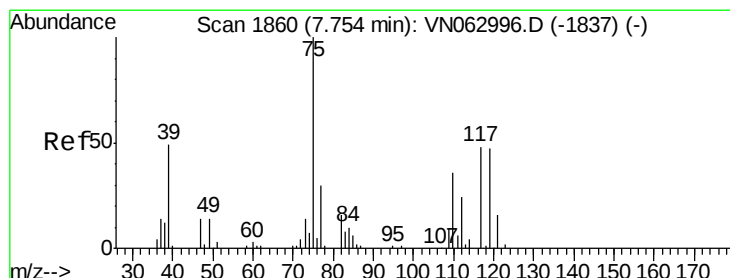
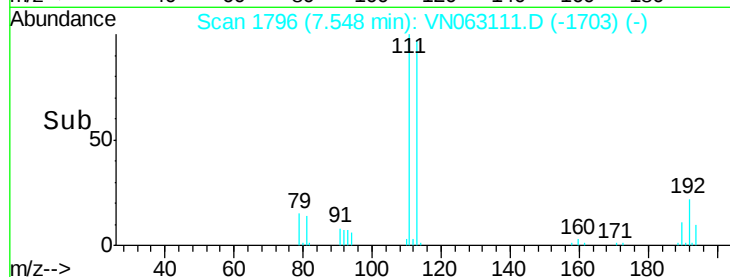
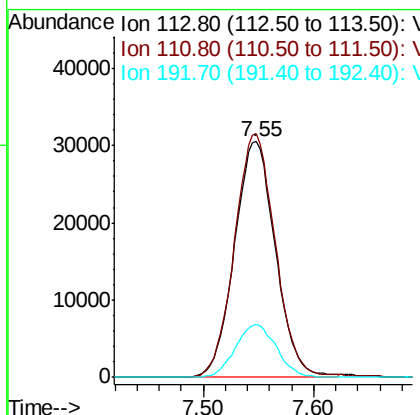
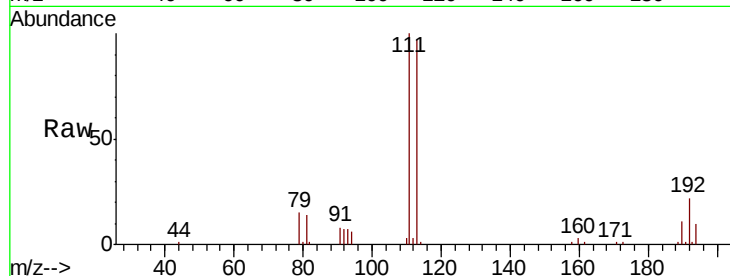




#35
 Dibromofluoromethane
 Concen: 50.972 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063111.D
 Acq: 25 Aug 2020 13:40

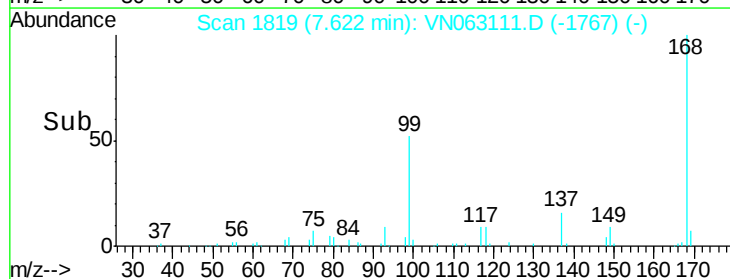
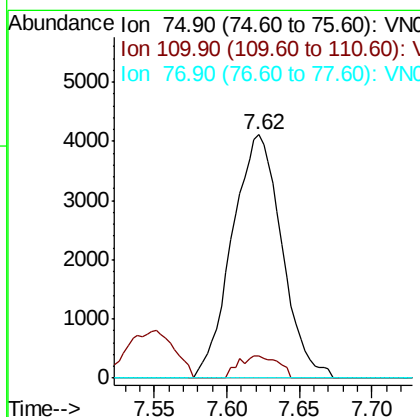
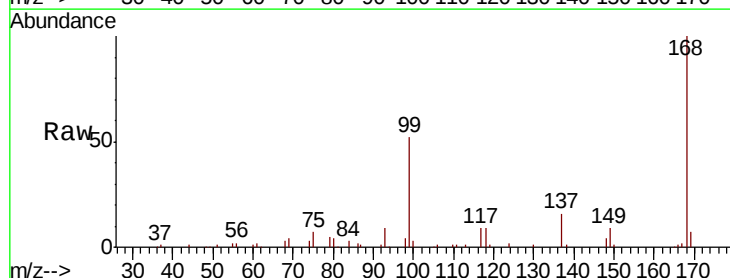
Instrument :
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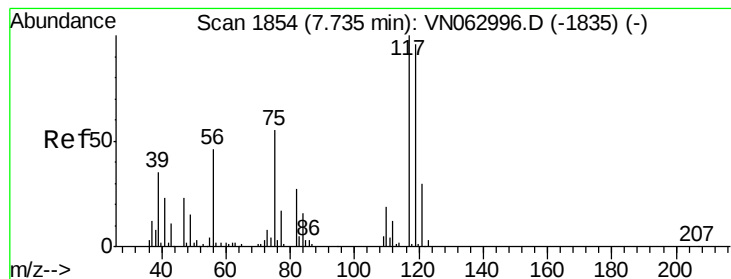
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.7	122.5
192	22.3	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.692 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN063111.D
 Acq: 25 Aug 2020 13:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.2	17.5	52.6#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 6.045 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.11 min

Lab File: VN063111.D

Acq: 25 Aug 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-518-520

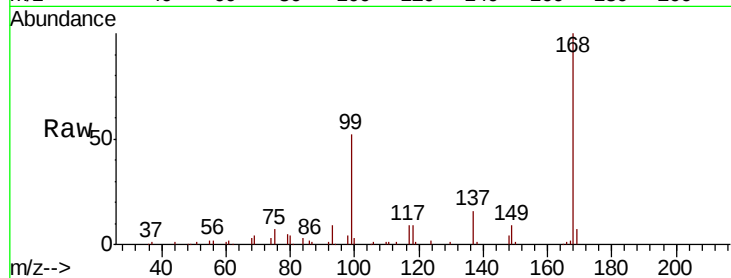
Tot Ion:117 Resp: 12726

Ion Ratio Lower Upper

117 100

119 6.0 76.2 114.4#

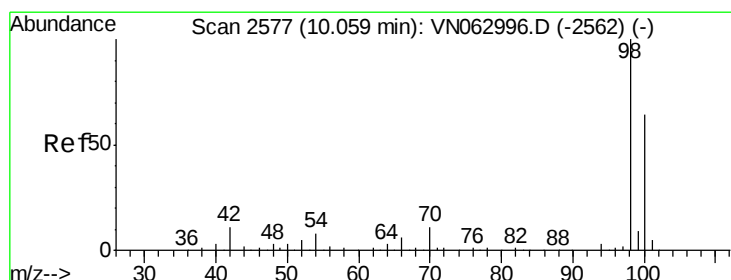
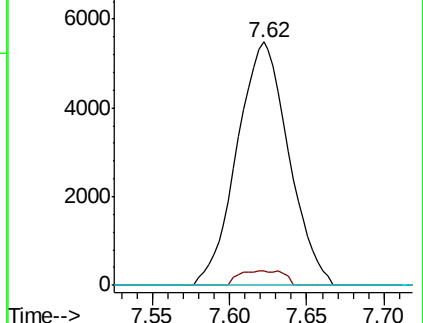
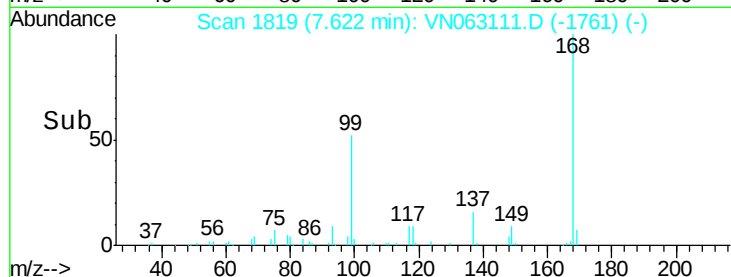
121 0.0 24.2 36.2#



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



#50

Toluene-d8

Concen: 51.774 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063111.D

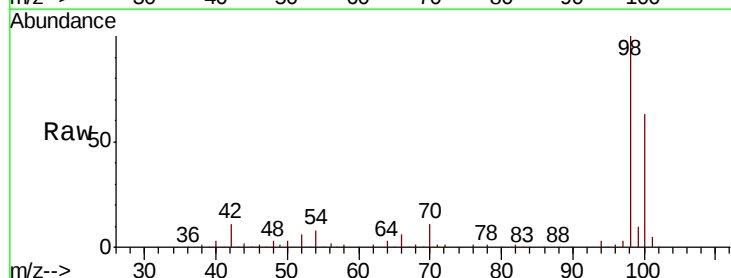
Acq: 25 Aug 2020 13:40

Tgt Ion: 98 Resp: 306619

Ion Ratio Lower Upper

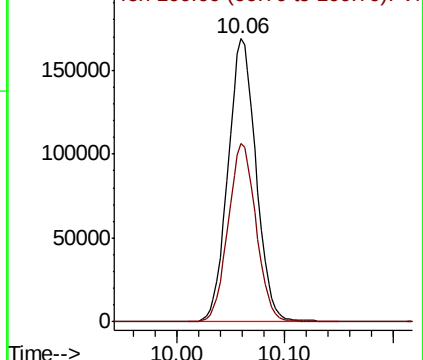
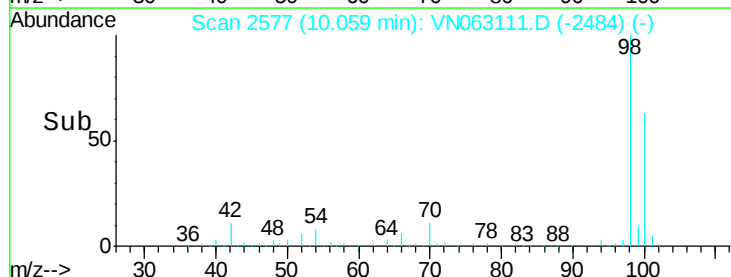
98 100

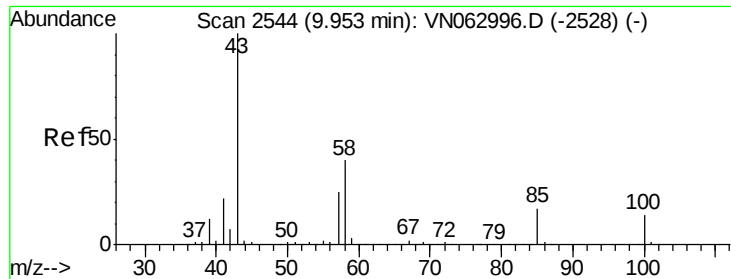
100 63.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.644 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.11 min

Lab File: VN063111.D

Acq: 25 Aug 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

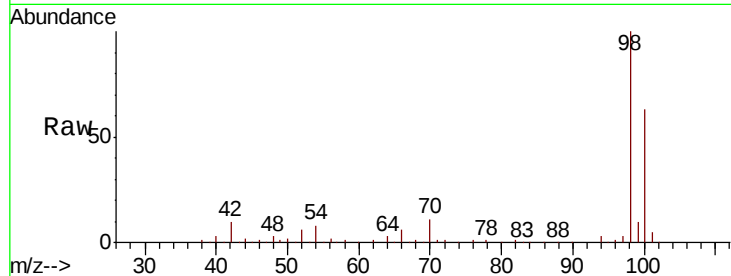
BP-VPB181-GW-518-520

Tot Ion: 43 Resp: 1318

Ion Ratio Lower Upper

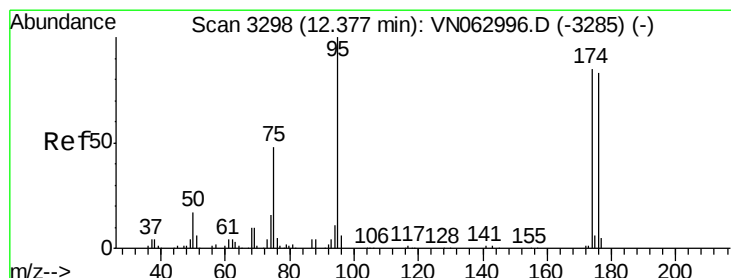
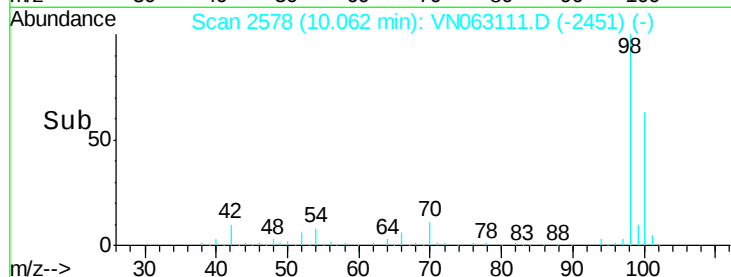
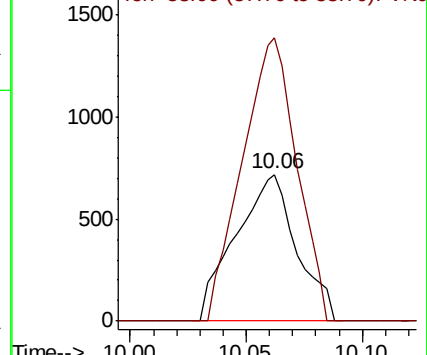
43 100

58 171.8 32.2 48.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 48.810 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN063111.D

Acq: 25 Aug 2020 13:40

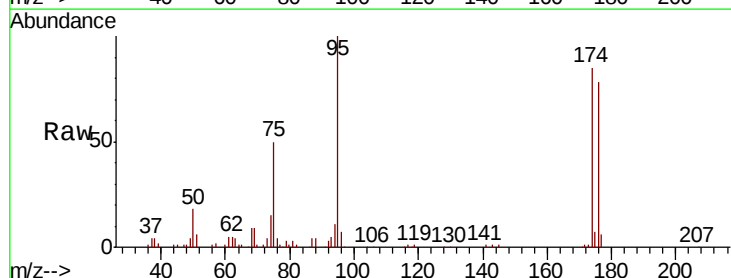
Tgt Ion: 95 Resp: 102006

Ion Ratio Lower Upper

95 100

174 85.9 0.0 170.8

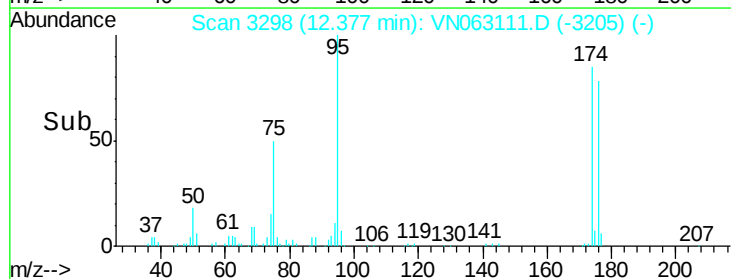
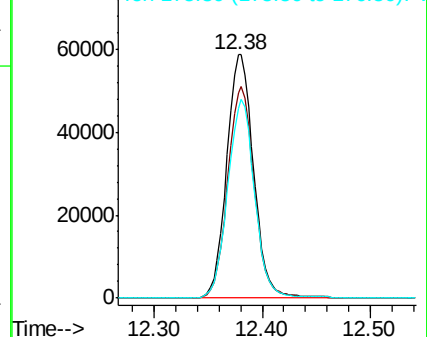
176 81.6 0.0 164.8

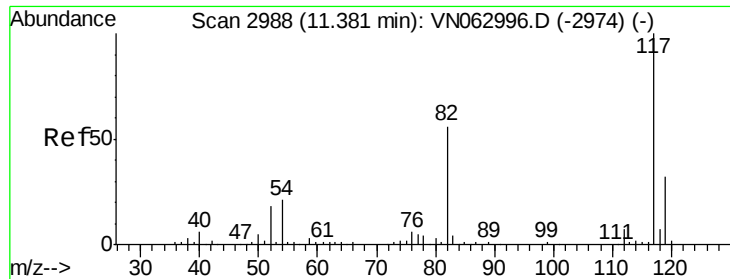


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN063111.D

Acq: 25 Aug 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB181-GW-518-520

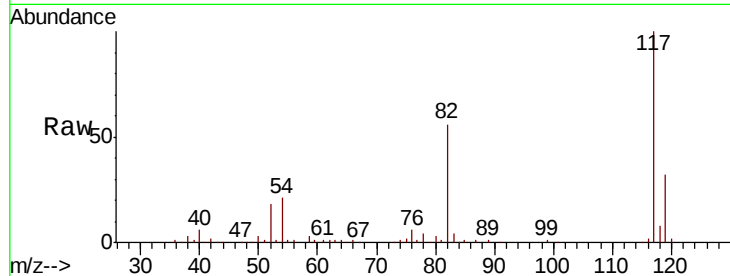
Tot Ion:117 Resp: 241900

Ion Ratio Lower Upper

117 100

82 55.6 44.5 66.7

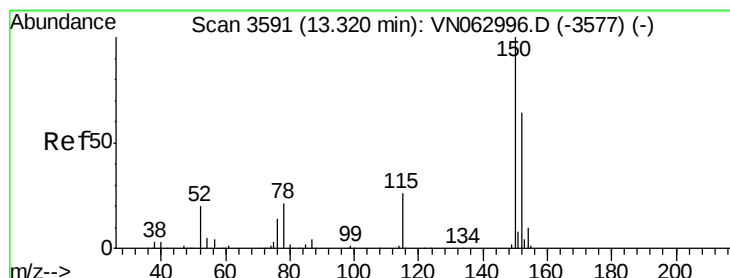
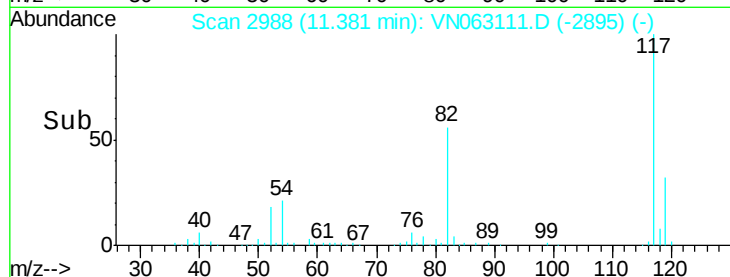
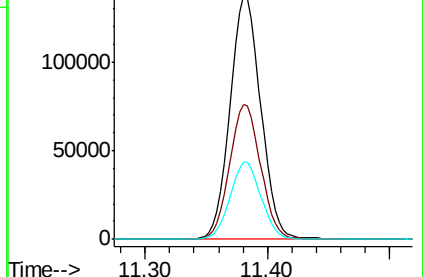
119 31.7 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): 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: VN063111.D

Acq: 25 Aug 2020 13:40

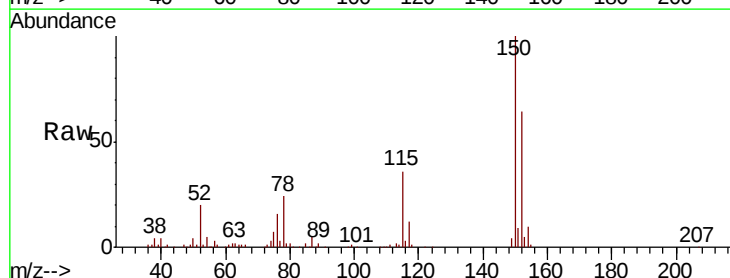
Tgt Ion:152 Resp: 94553

Ion Ratio Lower Upper

152 100

115 56.3 28.7 86.3

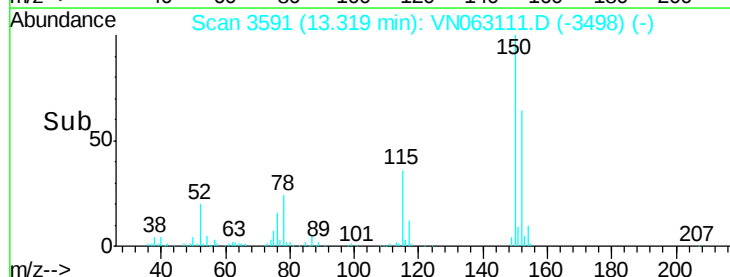
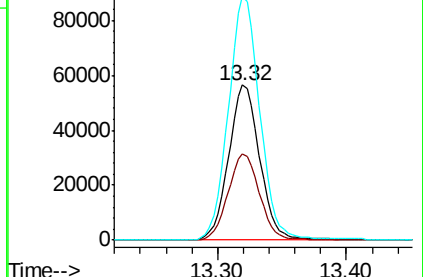
150 158.2 0.0 348.8

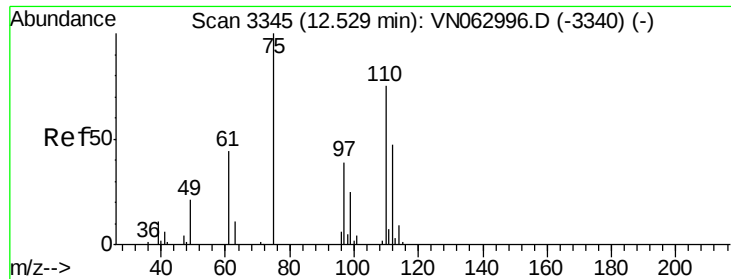


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.746 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063111.D

Acq: 25 Aug 2020 13:40

Instrument :

MSVOA_N

ClientSampleId :

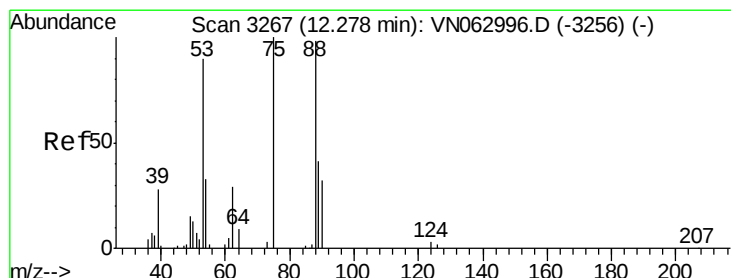
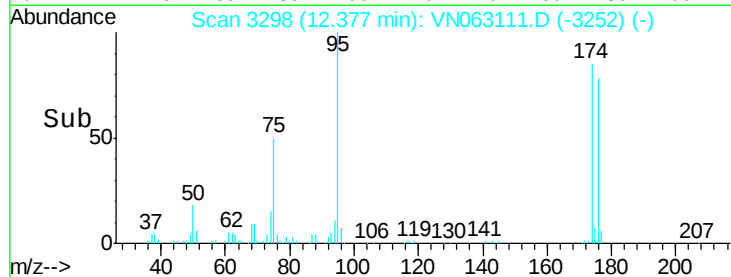
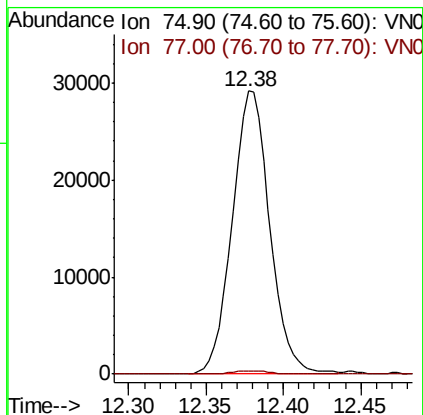
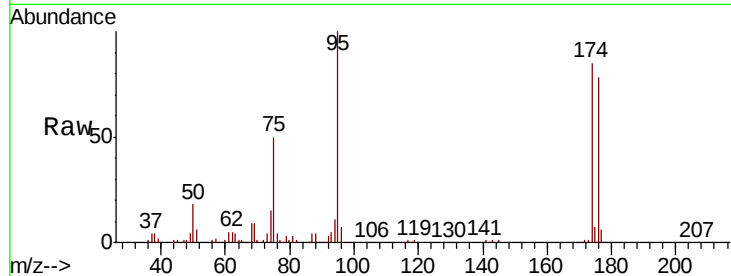
BP-VPB181-GW-518-520

Tot Ion: 75 Resp: 49157

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 73.457 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063111.D

Acq: 25 Aug 2020 13:40

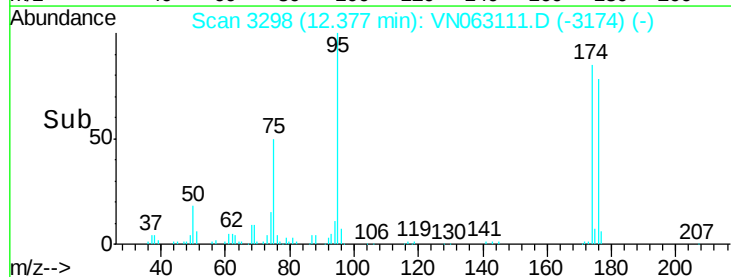
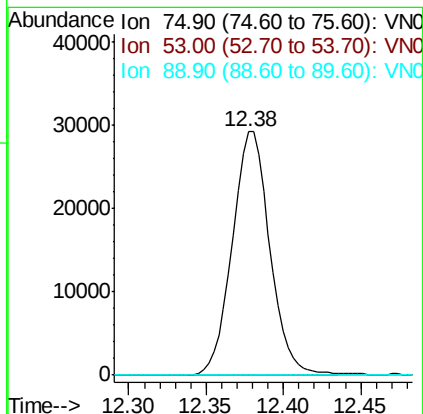
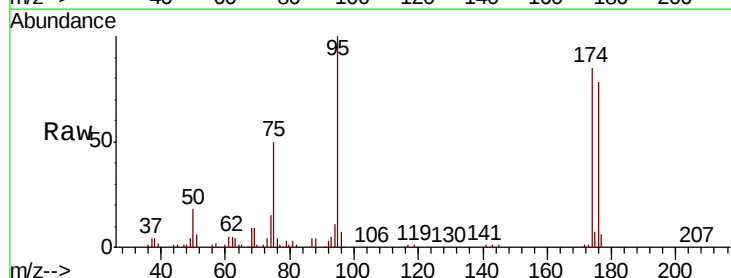
Tgt Ion: 75 Resp: 49157

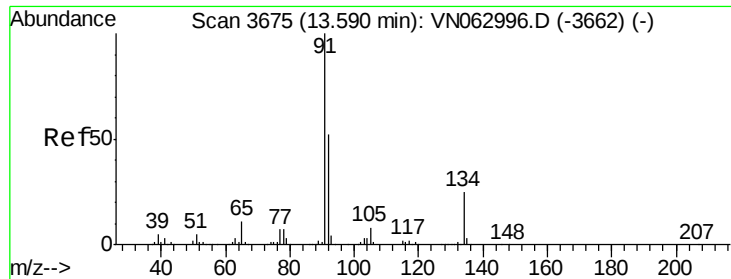
Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

89 0.0 34.2 51.4#

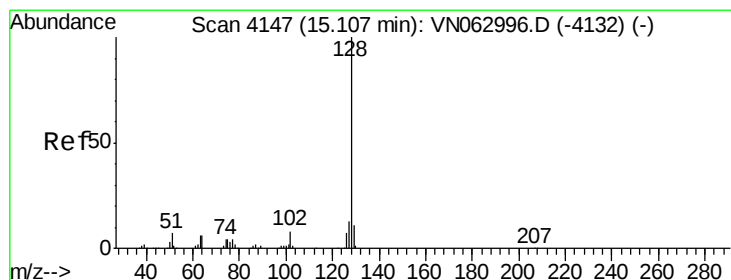
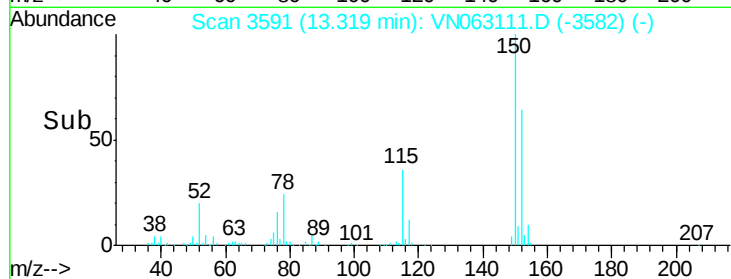
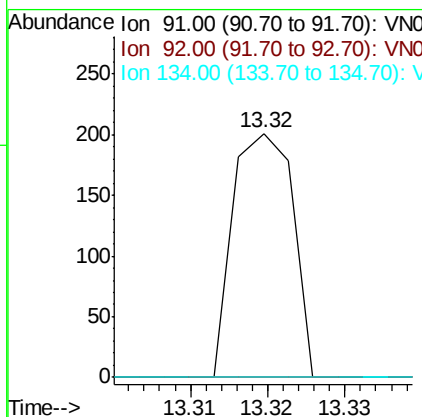
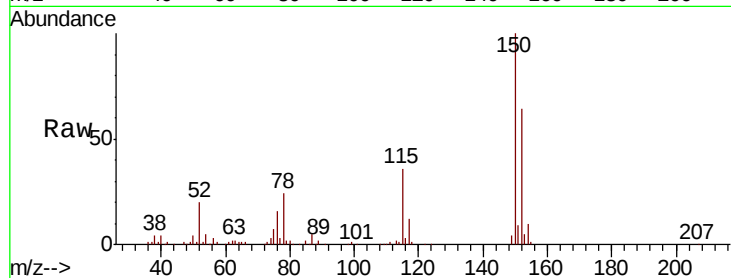




#89
n-Butylbenzene
Concen: 2.790 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.27 min
Lab File: VN063111.D
Acq: 25 Aug 2020 13:40

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB181-GW-518-520

Tot Ion:	91	Resp:	108
Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.6#
134	0.0	12.4	37.0#



#95
Naphthalene
Concen: 5.701 ug/l
RT: 15.12 min Scan# 4150
Delta R.T. 0.01 min
Lab File: VN063111.D
Acq: 25 Aug 2020 13:40

Tgt Ion:	128	Resp:	249
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.9	13.3#

