

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062420\
 Data File : VN062083.D
 Acq On : 24 Jun 2020 23:50
 Operator : JC/MD
 Sample : PB129726TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129726TB

Quant Time: Jun 25 04:34:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	207530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	389892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	371681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	134321	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	147870	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
35) Dibromofluoromethane	7.55	113	122818	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	10.06	98	490281	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.38	95	154762	45.81	ug/l	0.00
Spiked Amount			Recovery	=	91.62%	

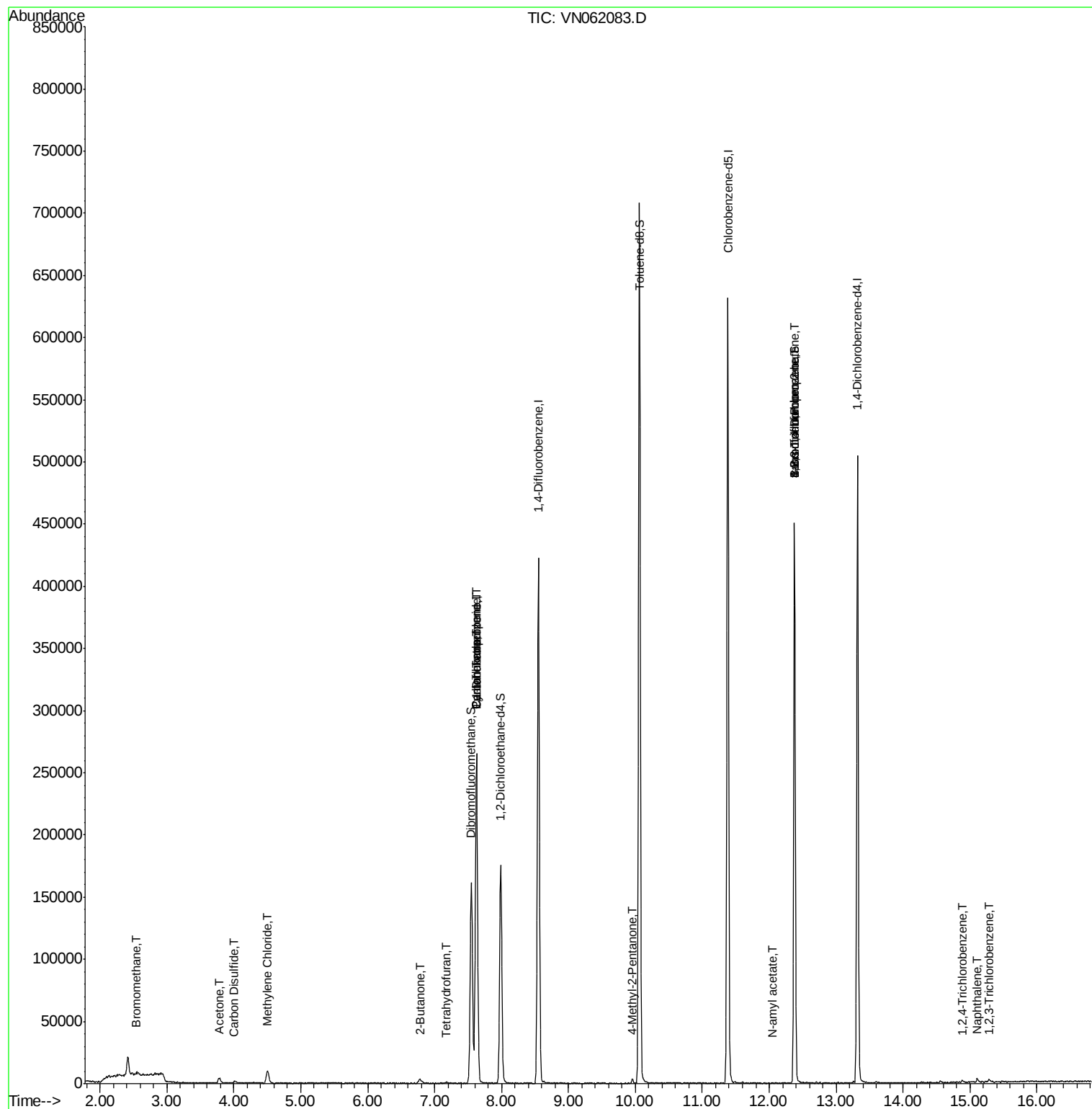
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	445	Below Cal	#	41
5) Bromomethane	2.54	94	1115	0.467	ug/l #	42
16) Acetone	3.78	43	7075	3.749	ug/l	96
17) Carbon Disulfide	4.00	76	3238	0.524	ug/l #	75
20) Methylene Chloride	4.49	84	7838	2.727	ug/l	85
25) 2-Butanone	6.79	43	1027	0.721	ug/l #	44
29) Tetrahydrofuran	7.18	42	503	0.539	ug/l #	66
31) Cyclohexane	7.63	56	4676	1.162	ug/l #	19
36) 1,1-Dichloropropene	7.63	75	17575	4.485	ug/l #	44
38) Carbon Tetrachloride	7.63	117	21562	5.836	ug/l #	17
51) 4-Methyl-2-Pentanone	9.95	43	2301	0.744	ug/l #	82
71) Bromoform	12.37	173	891	0.444	ug/l #	1
74) N-amyl acetate	12.05	43	186	3.388	ug/l #	38
76) 1,2,3-Trichloropropane	12.38	75	79431	25.120	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	79431	73.361	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.89	180	685	0.357	ug/l #	58
95) Naphthalene	15.11	128	3717	4.529	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.29	180	896	0.456	ug/l	86

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062420\
Data File : VN062083.D
Acq On : 24 Jun 2020 23:50
Operator : JC/MD
Sample : PB129726TB
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB129726TB

Quant Time: Jun 25 04:34:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 24 15:33:00 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: VN062083.D

Acq: 24 Jun 2020 23:50

Instrument :

MSVOA_N

ClientSampleId :

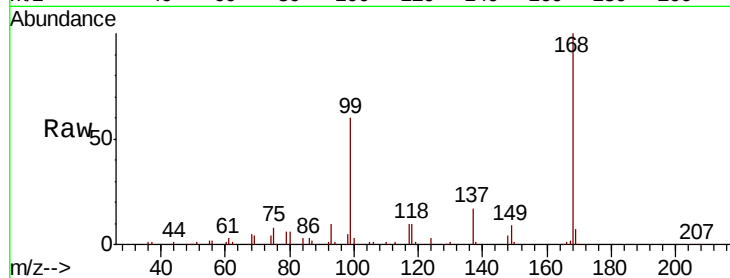
PB129726TB

Tot Ion:168 Resp: 207530

Ion Ratio Lower Upper

168 100

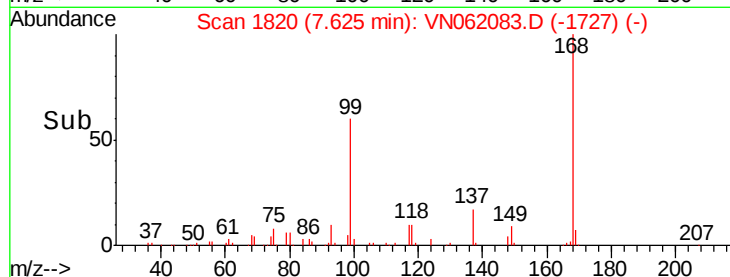
99 59.8 45.8 68.8



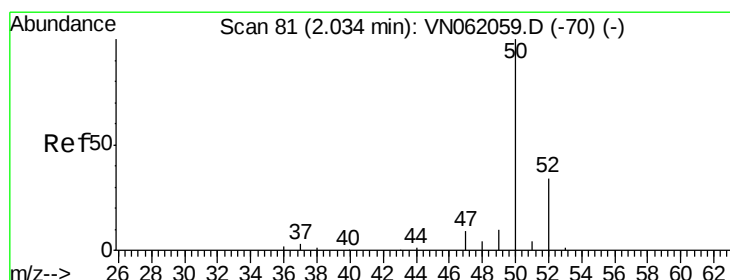
Abundance Ion 167.90 (167.60 to 168.60): VN062059.D

Ion 98.90 (98.60 to 99.60): VN062059.D

7.63



Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN062083.D

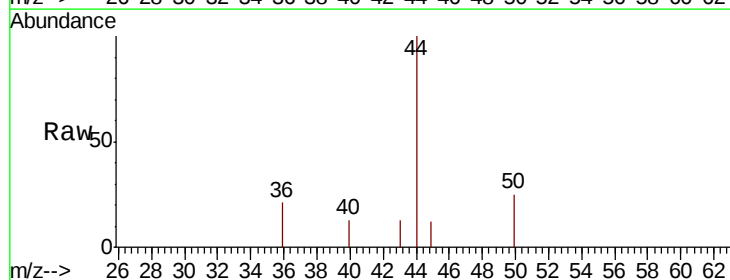
Acq: 24 Jun 2020 23:50

Tgt Ion: 50 Resp: 445

Ion Ratio Lower Upper

50 100

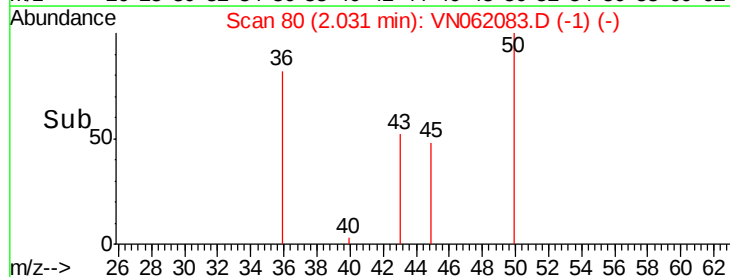
52 0.0 27.0 40.6#



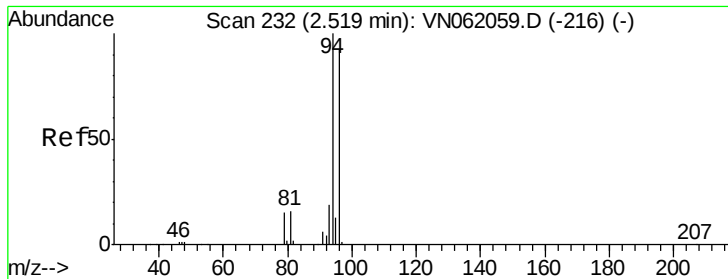
Abundance Ion 49.90 (49.60 to 50.60): VN062059.D

Ion 51.90 (51.60 to 52.60): VN062059.D

2.03



Time-->



#5

Bromomethane

Concen: 0.467 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.03 min

Lab File: VN062083.D

Acq: 24 Jun 2020 23:50

Instrument :

MSVOA_N

ClientSampled :

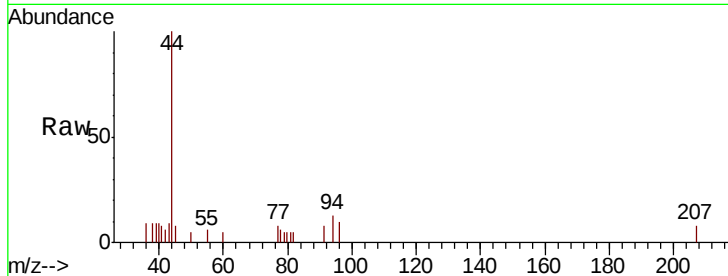
PB129726TB

Tot Ion: 94 Resp: 1115

Ion Ratio Lower Upper

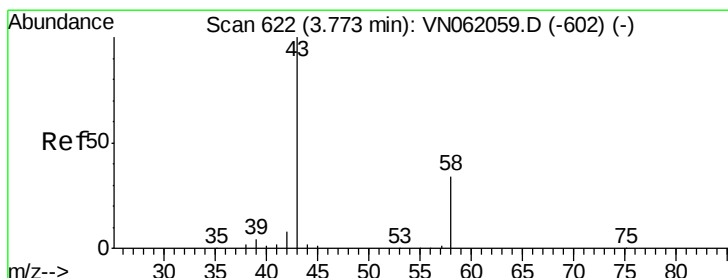
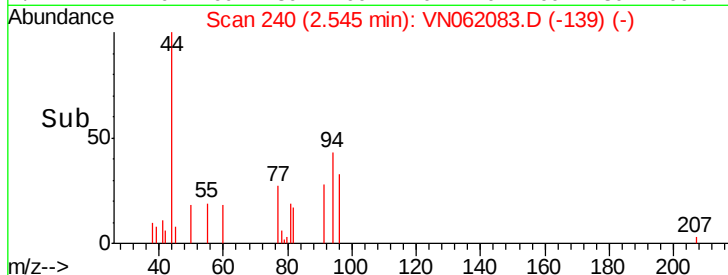
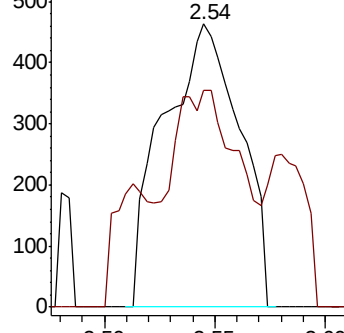
94 100

96 36.5 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 3.749 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062083.D

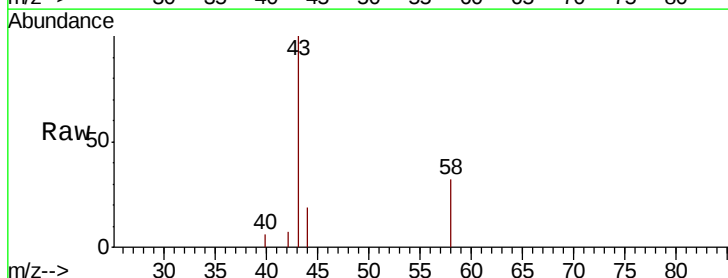
Acq: 24 Jun 2020 23:50

Tgt Ion: 43 Resp: 7075

Ion Ratio Lower Upper

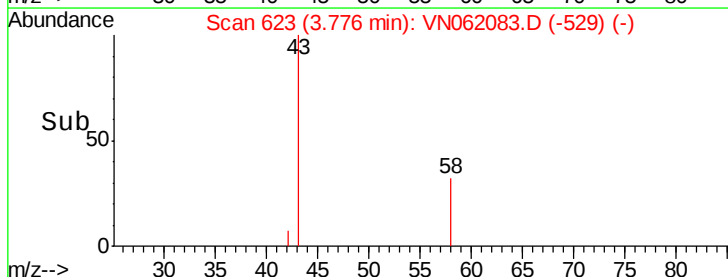
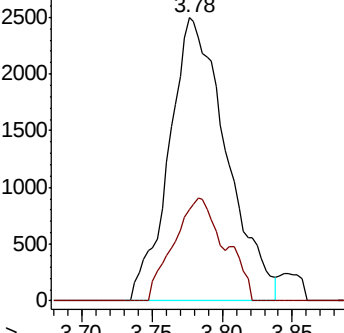
43 100

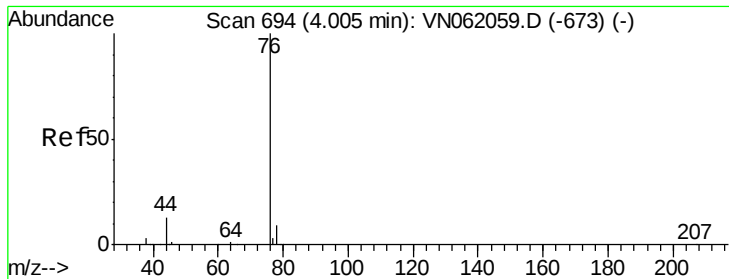
58 32.3 27.5 41.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

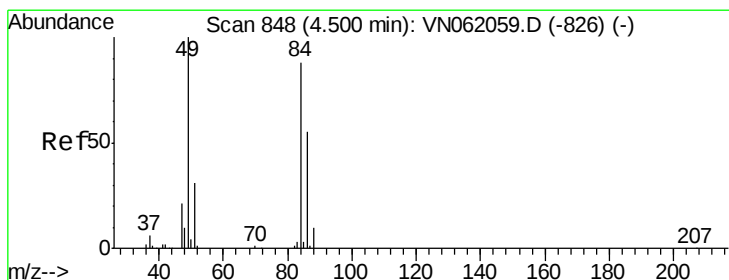
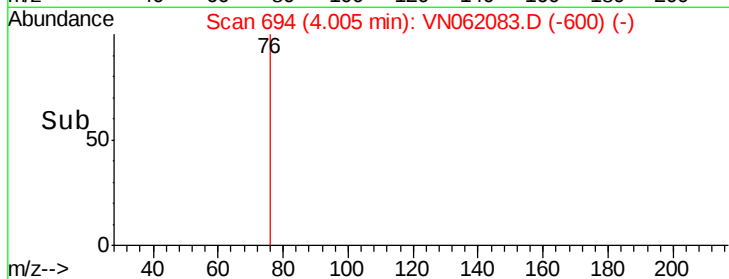
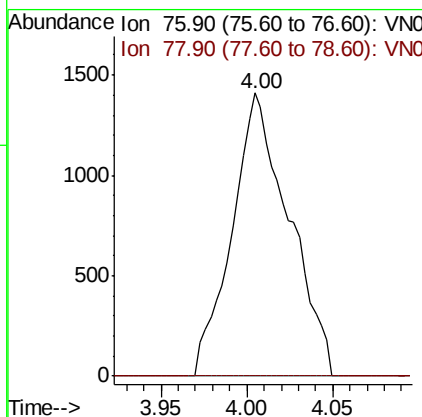
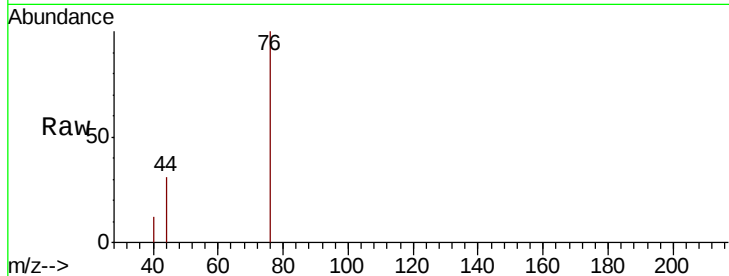




#17
Carbon Disulfide
Concen: 0.524 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062083.D
Acq: 24 Jun 2020 23:50

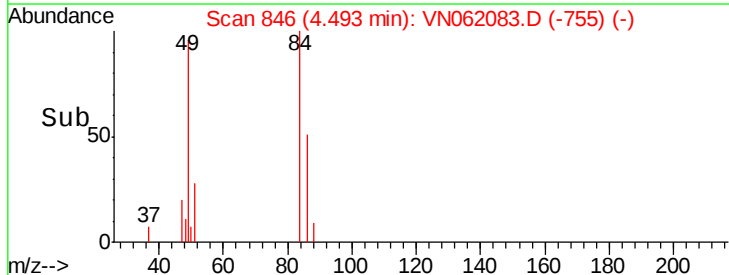
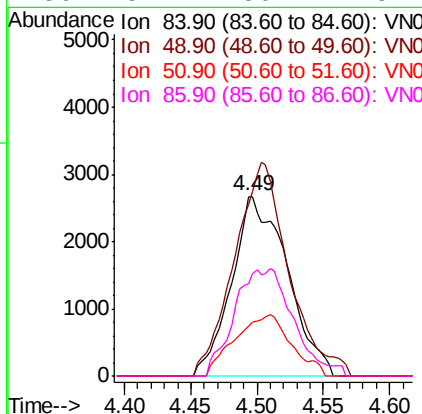
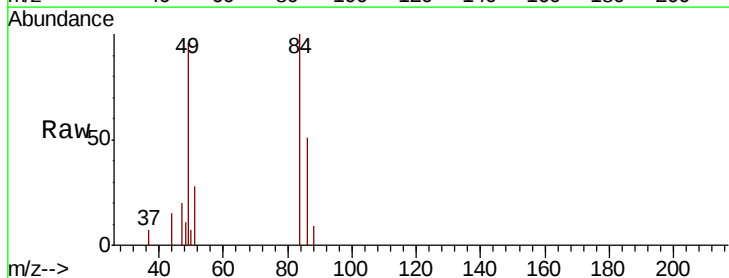
Instrument :
MSVOA_N
ClientSampleId :
PB129726TB

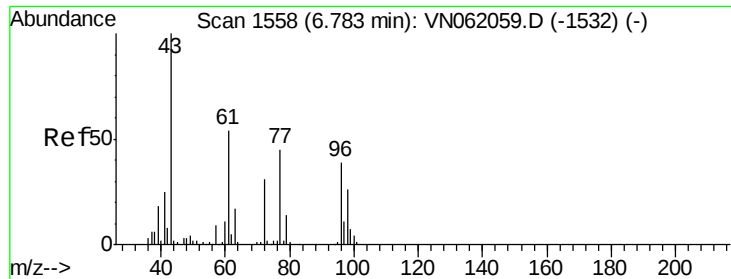
Tot Ion: 76 Resp: 3238
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 2.727 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN062083.D
Acq: 24 Jun 2020 23:50

Tgt Ion: 84 Resp: 7838
Ion Ratio Lower Upper
84 100
49 95.9 90.6 136.0
51 28.0 27.8 41.8
86 51.2 50.1 75.1

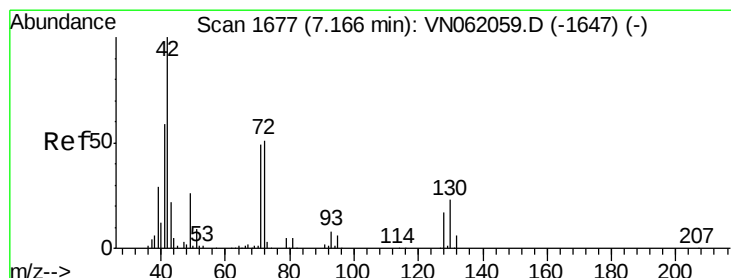
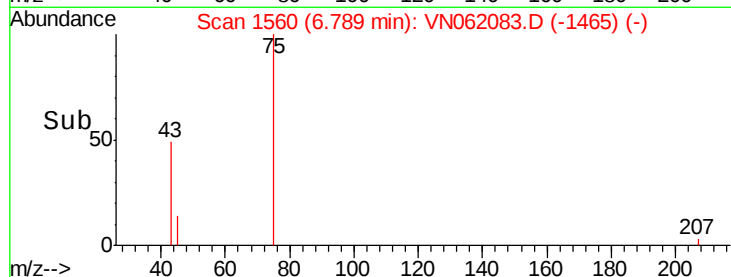
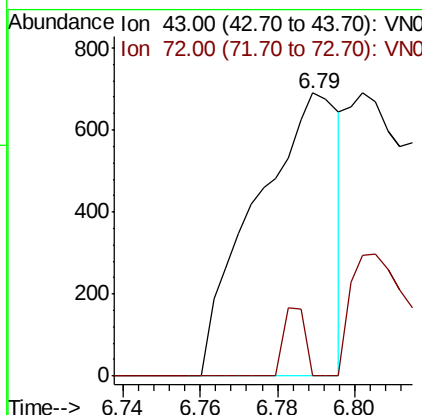
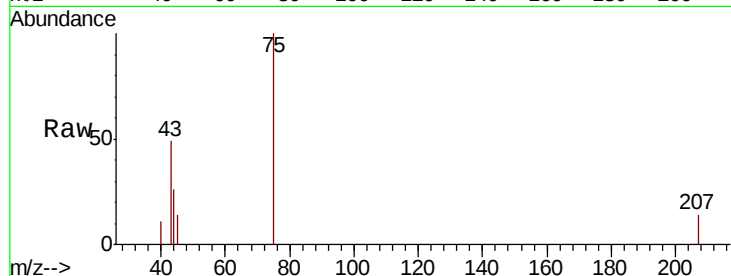




#25
2-Butanone
Concen: 0.721 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN062083.D
Acq: 24 Jun 2020 23:50

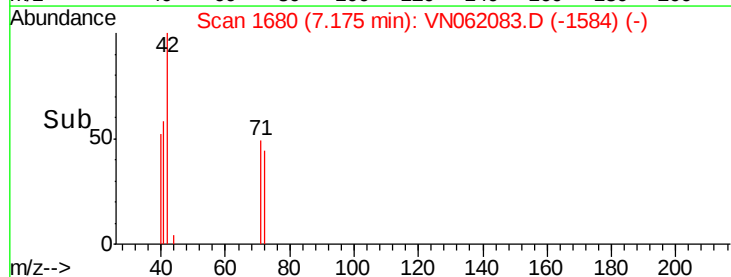
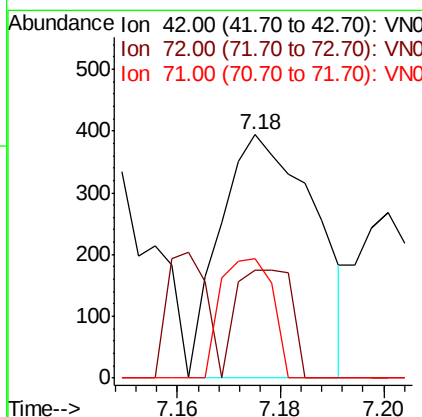
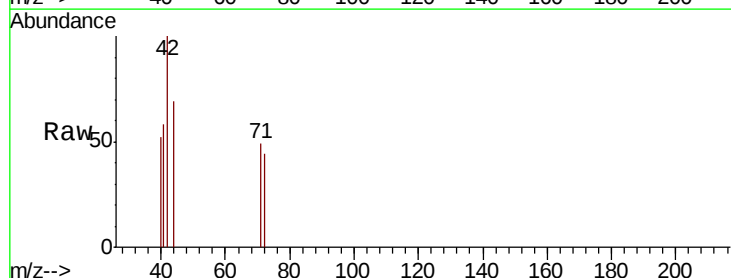
Instrument :
MSVOA_N
ClientSampleId :
PB129726TB

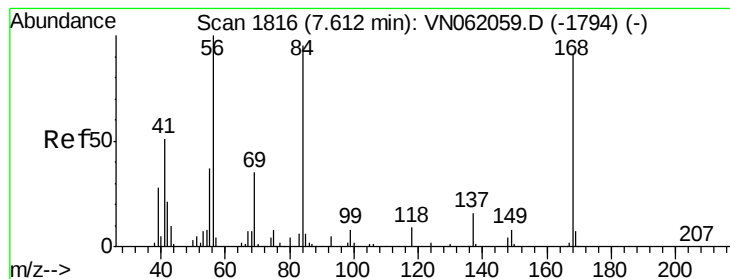
Tot Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
72 0.0 24.8 37.2#



#29
Tetrahydrofuran
Concen: 0.539 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN062083.D
Acq: 24 Jun 2020 23:50

Tgt Ion: 42 Resp: 503
Ion Ratio Lower Upper
42 100
72 25.8 41.1 61.7#
71 26.8 38.2 57.4#





#31

Cyclohexane

Concen: 1.162 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN062083.D

Acq: 24 Jun 2020 23:50

Instrument :

MSVOA_N

ClientSampleId :

PB129726TB

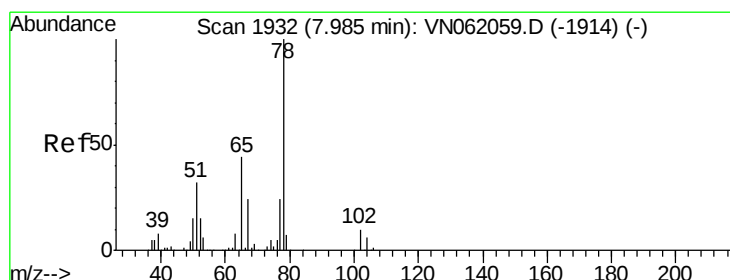
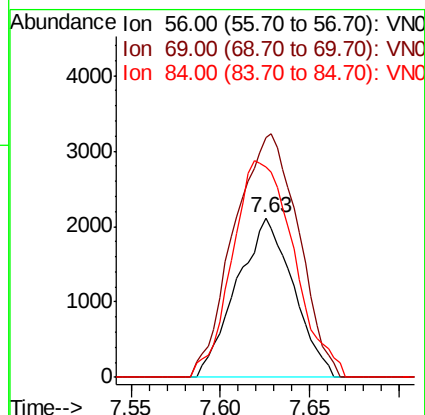
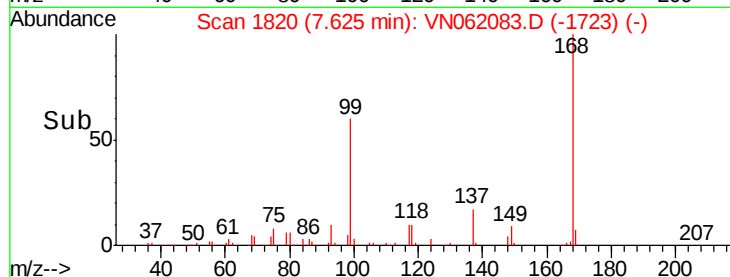
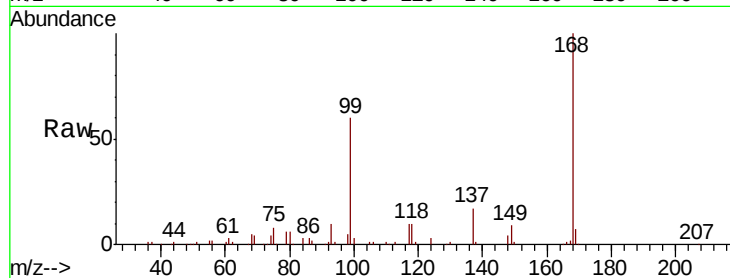
Tot Ion: 56 Resp: 4676

Ion Ratio Lower Upper

56 100

69 150.4 28.0 42.0#

84 132.0 76.1 114.1#



#33

1,2-Dichloroethane-d4

Concen: 50.774 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN062083.D

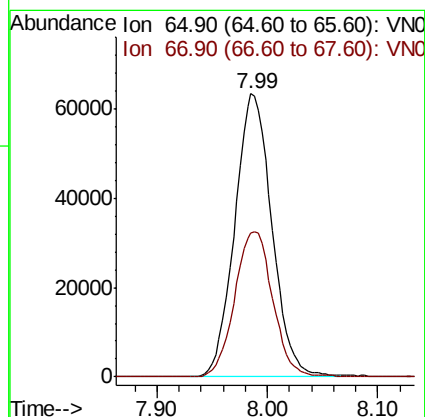
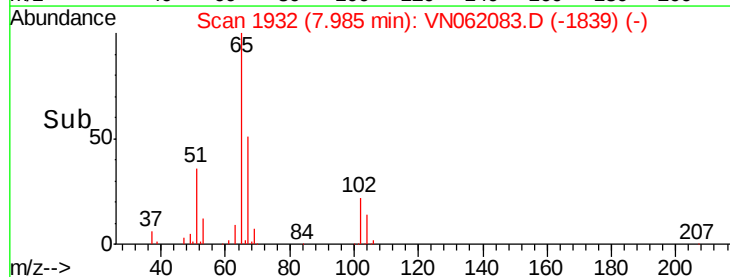
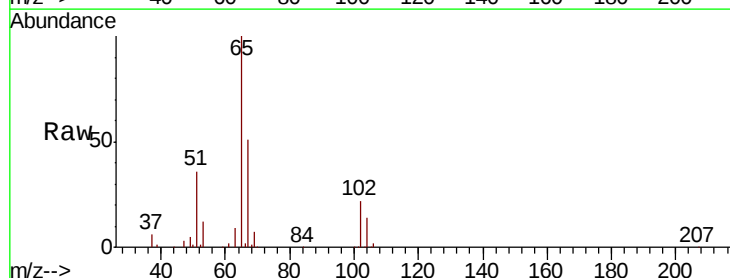
Acq: 24 Jun 2020 23:50

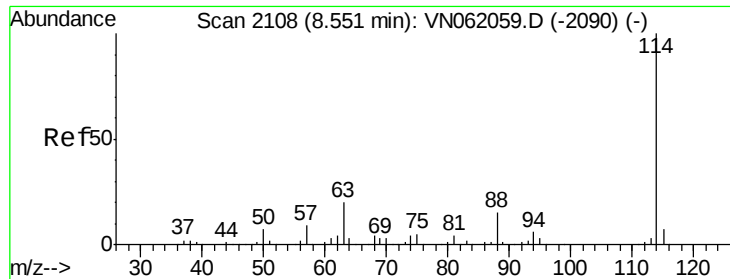
Tgt Ion: 65 Resp: 147870

Ion Ratio Lower Upper

65 100

67 52.6 0.0 106.2

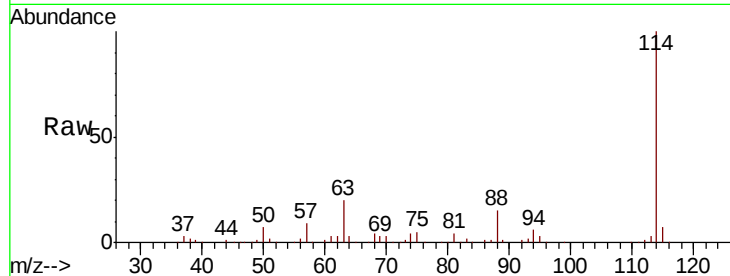




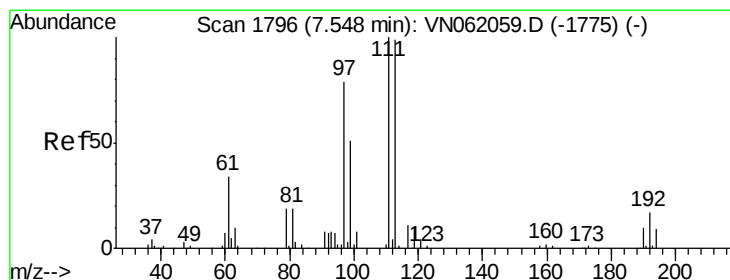
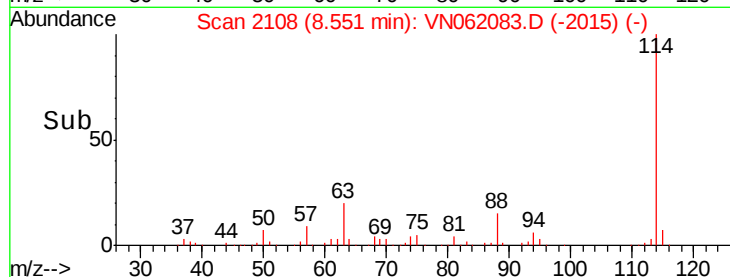
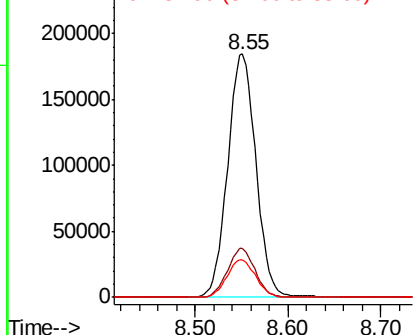
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062083.D
Acq: 24 Jun 2020 23:50

Instrument :
MSVOA_N
ClientSampleId :
PB129726TB

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	39.2
88	15.5	0.0	30.8

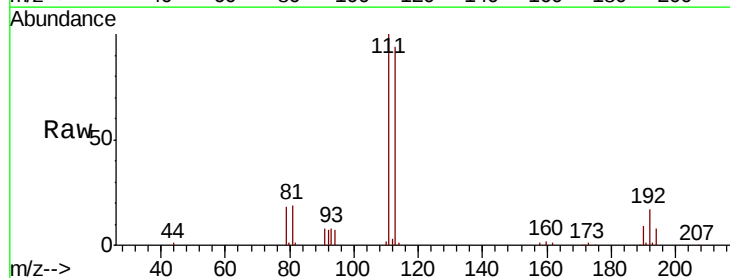


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

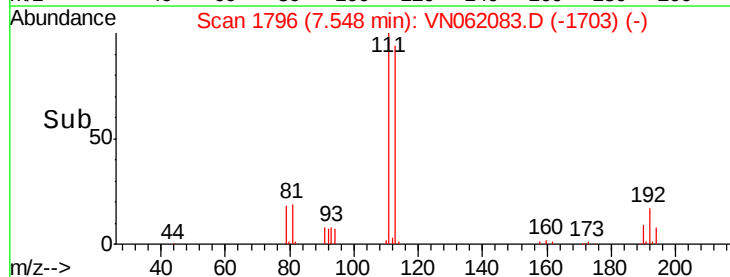
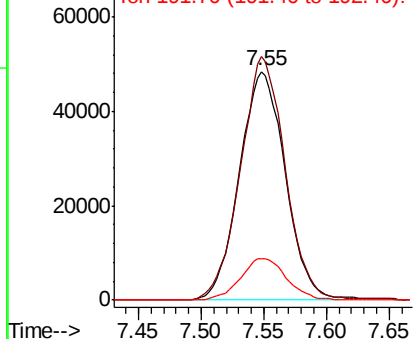


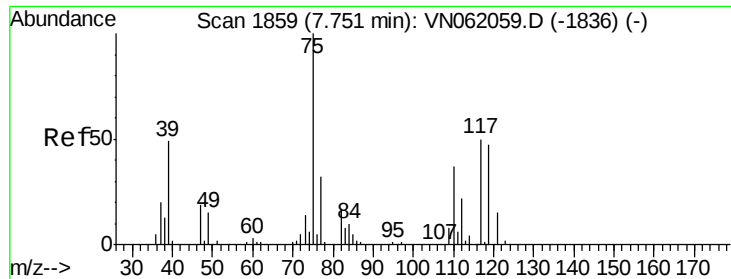
#35
Dibromofluoromethane
Concen: 49.101 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062083.D
Acq: 24 Jun 2020 23:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.2	123.4
192	18.2	14.0	21.0



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

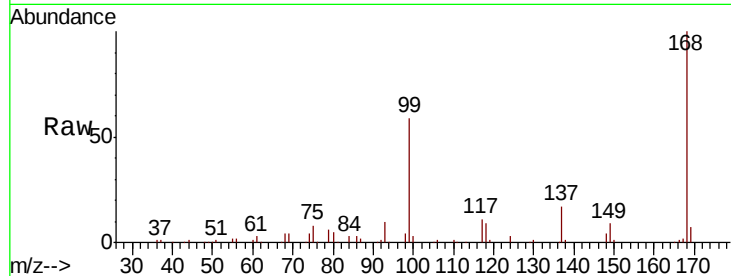




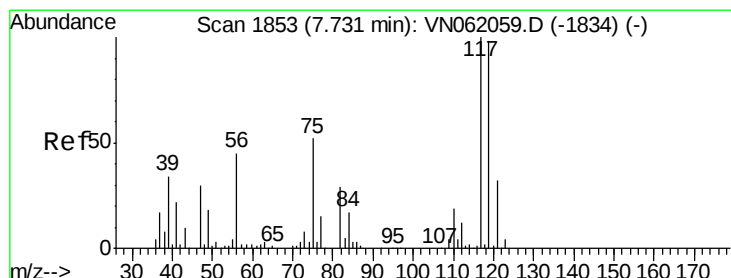
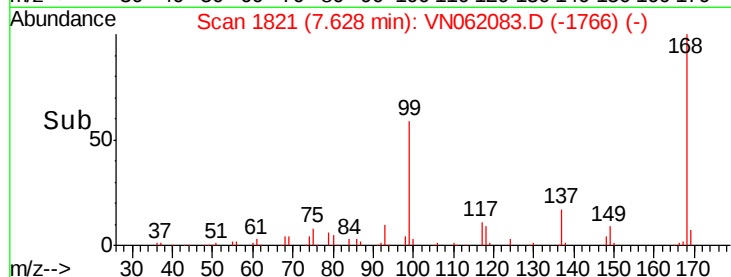
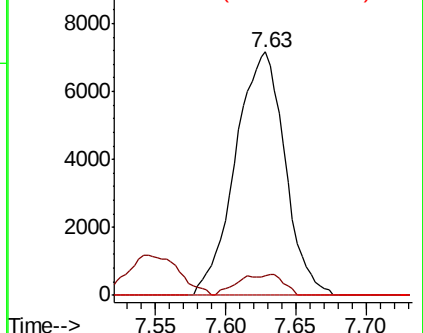
#36
 1,1-Dichloropropene
 Concen: 4.485 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.12 min
 Lab File: VN062083.D
 Acq: 24 Jun 2020 23:50

Instrument :
 MSVOA_N
 ClientSampleID :
 PB129726TB

Tot Ion	75	Resp	17575
Ion Ratio	100	Lower	Upper
110	3.8	17.9	53.8#
77	0.0	24.9	37.3#

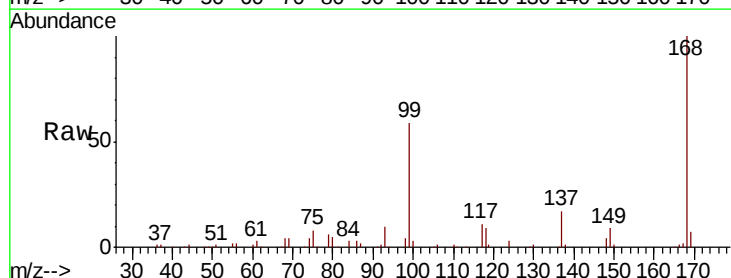


Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN062059.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN062059.D (-1836) (-)

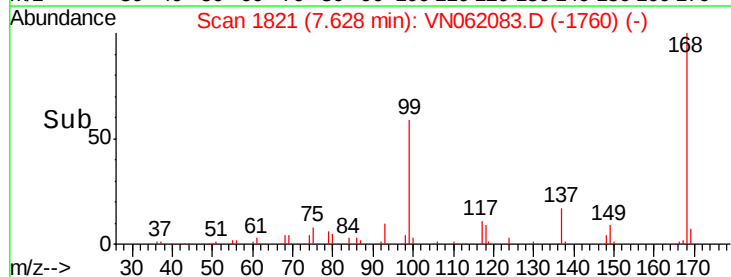
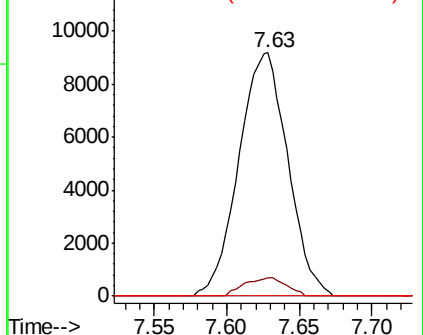


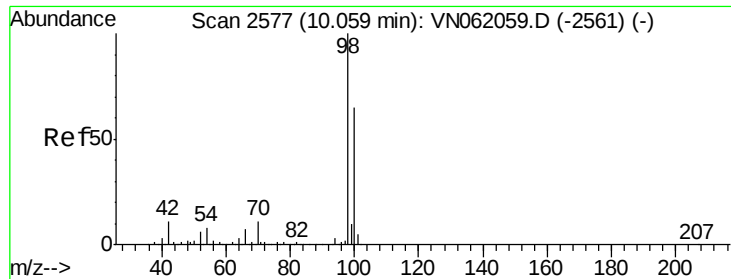
#38
 Carbon Tetrachloride
 Concen: 5.836 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.10 min
 Lab File: VN062083.D
 Acq: 24 Jun 2020 23:50

Tgt Ion	117	Resp	21562
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
119	7.7	78.2	117.2#
121	0.0	25.8	38.6#



Abundance Ion 116.80 (116.50 to 117.50): VN062059.D (-1834) (-)
 Ion 118.80 (118.50 to 119.50): VN062059.D (-1834) (-)
 Ion 120.80 (120.50 to 121.50): VN062059.D (-1834) (-)





#50

Toluene-d8

Concen: 49.034 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062083.D

Acq: 24 Jun 2020 23:50

Instrument :

MSVOA_N

ClientSampled :

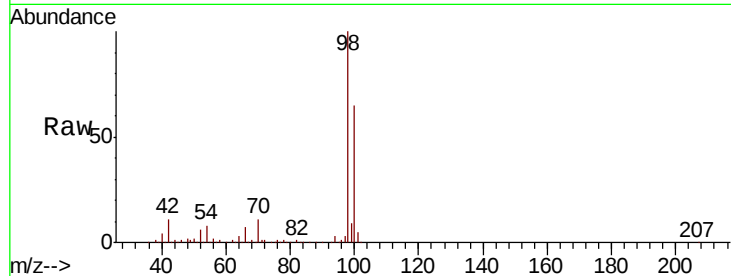
PB129726TB

Tot Ion: 98 Resp: 490281

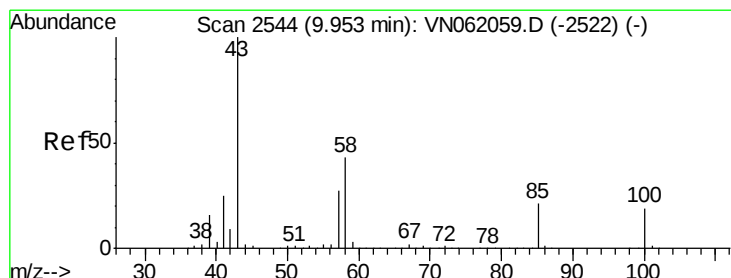
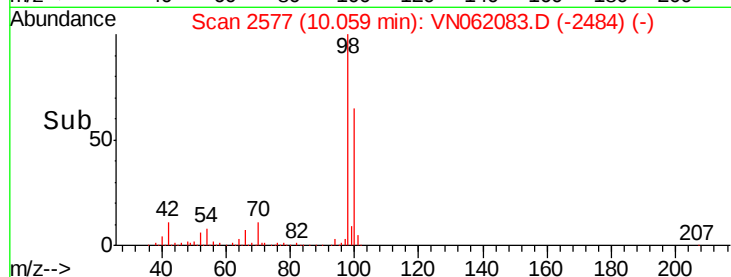
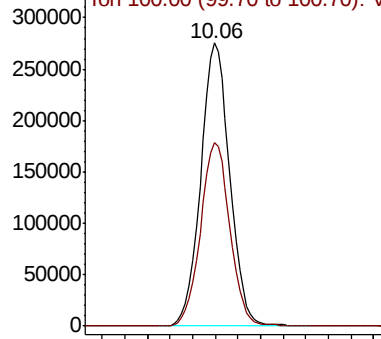
Ion Ratio Lower Upper

98 100

100 65.6 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN062059.D (-2561) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.744 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062083.D

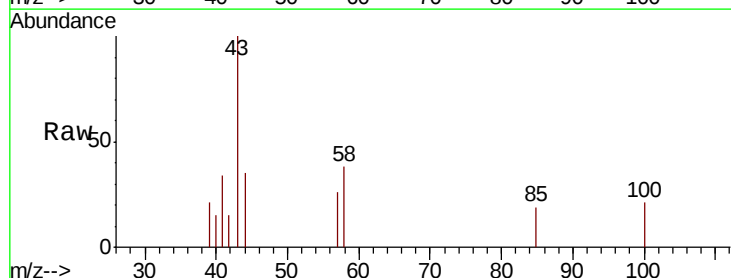
Acq: 24 Jun 2020 23:50

Tgt Ion: 43 Resp: 2301

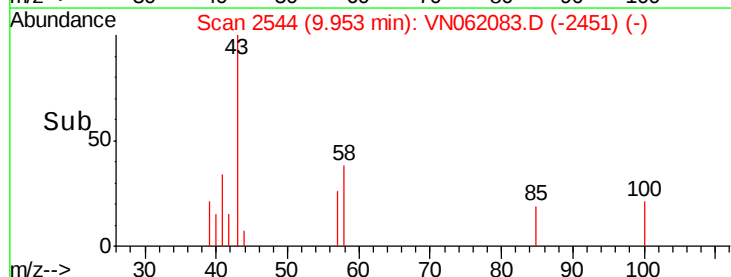
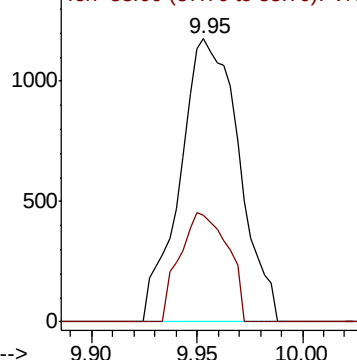
Ion Ratio Lower Upper

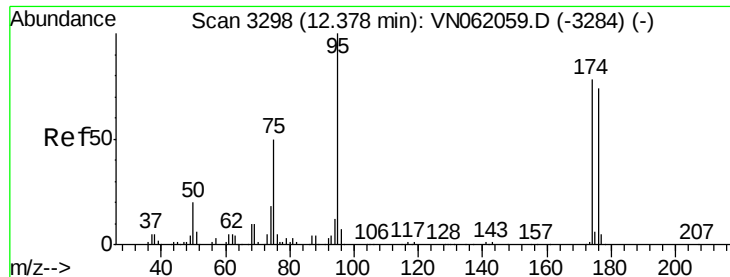
43 100

58 31.1 34.2 51.2#



Abundance Ion 43.00 (42.70 to 43.70): VN062059.D (-2522) (-)

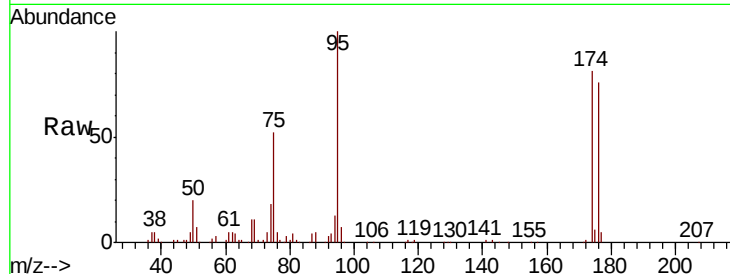




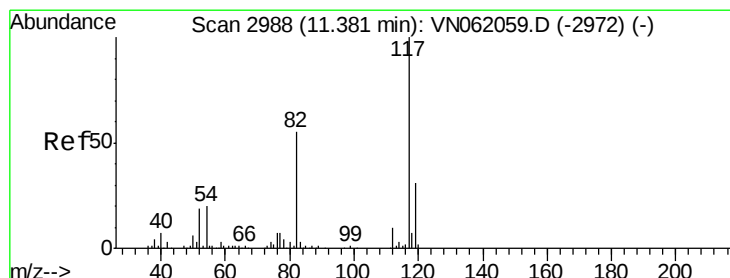
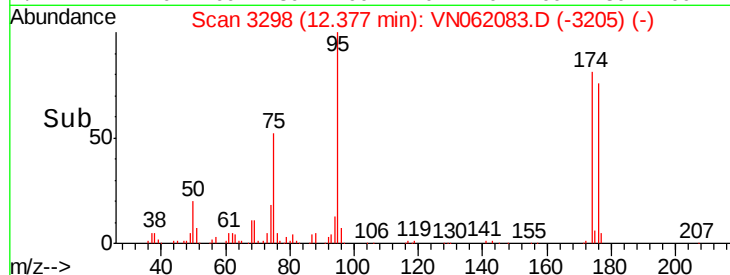
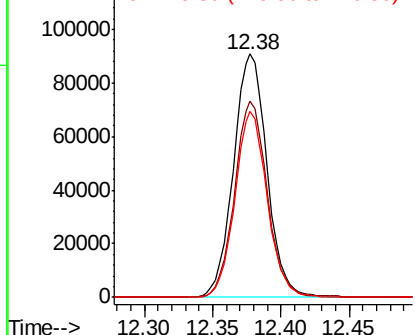
#62
4-Bromofluorobenzene
Concen: 45.813 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062083.D
Acq: 24 Jun 2020 23:50

Instrument :
MSVOA_N
ClientSampleId :
PB129726TB

Tot Ion: 95 Resp: 154762
Ion Ratio Lower Upper
95 100
174 78.8 0.0 154.8
176 73.9 0.0 147.4

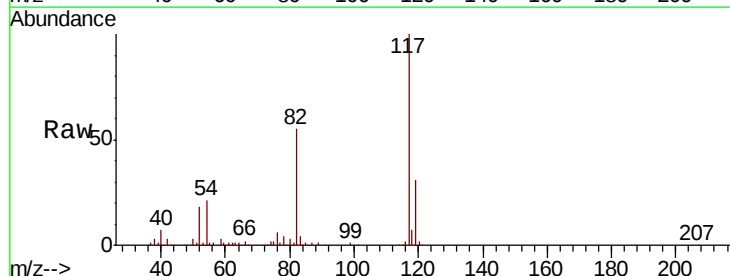


Abundance Ion 94.90 (94.60 to 95.60): VN062059.D (-3284) (-)
Ion 173.80 (173.50 to 174.50): VN062059.D (-3284) (-)
Ion 175.80 (175.50 to 176.50): VN062059.D (-3284) (-)

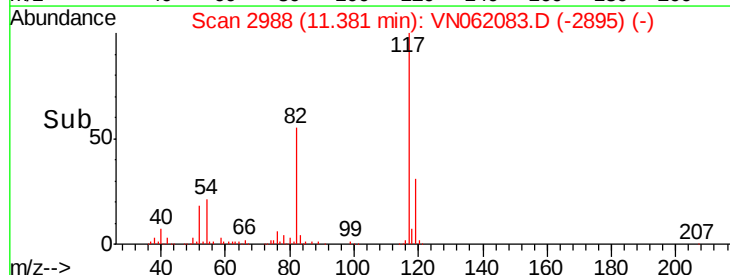
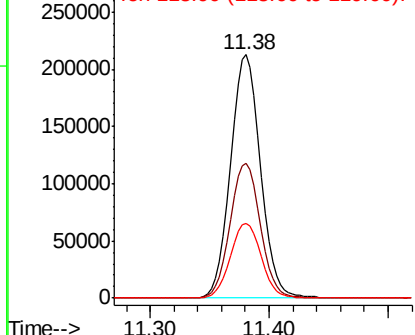


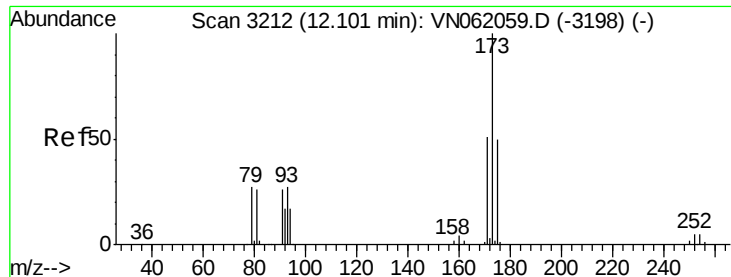
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062083.D
Acq: 24 Jun 2020 23:50

Tgt Ion: 117 Resp: 371681
Ion Ratio Lower Upper
117 100
82 55.4 43.8 65.8
119 30.9 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN062059.D (-2972) (-)
Ion 82.00 (81.70 to 82.70): VN062059.D (-2972) (-)
Ion 118.90 (118.60 to 119.60): VN062059.D (-2972) (-)





#71

Bromoform

Concen: 0.444 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062083.D

Acq: 24 Jun 2020 23:50

Instrument :

MSVOA_N

ClientSampleId :

PB129726TB

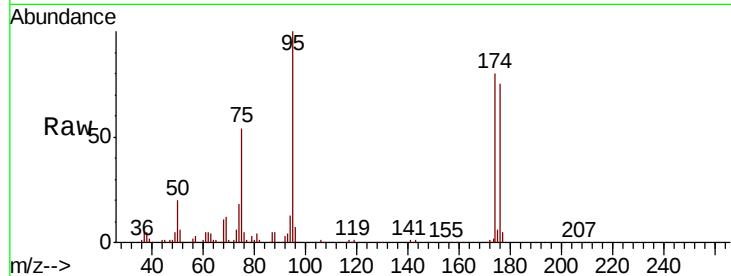
Tot Ion:173 Resp: 891

Ion Ratio Lower Upper

173 100

175 859.6 24.7 74.1#

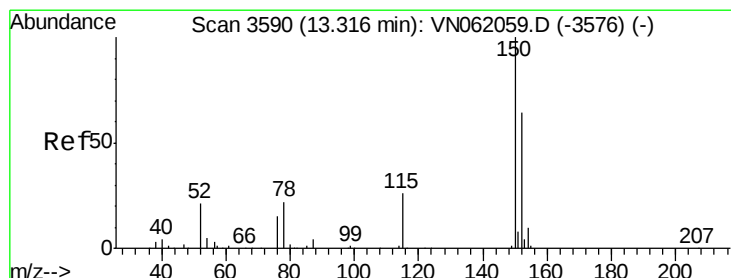
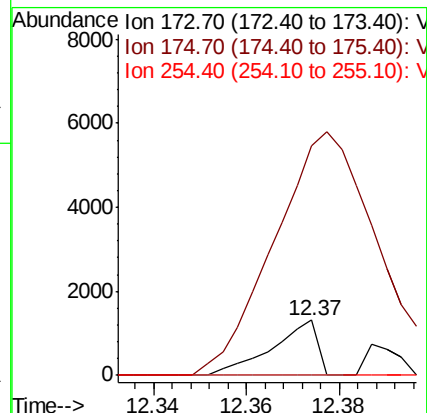
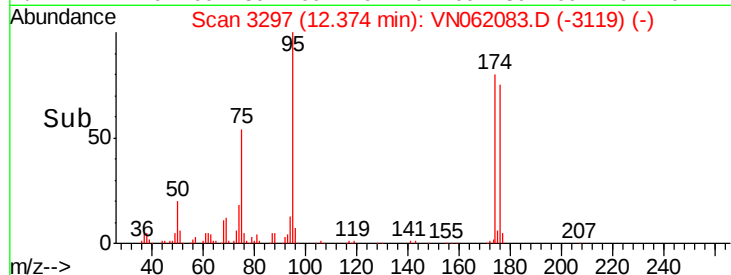
254 0.0 0.0 0.0



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: VN062083.D

Acq: 24 Jun 2020 23:50

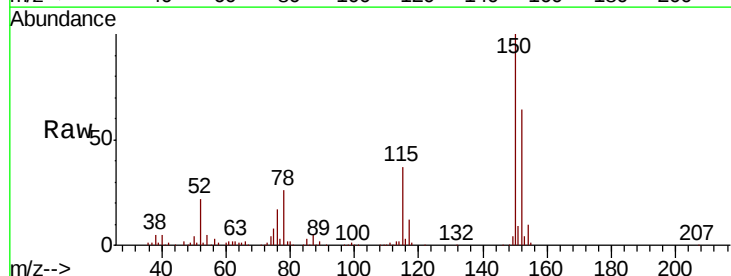
Tgt Ion:152 Resp: 134321

Ion Ratio Lower Upper

152 100

115 58.9 29.5 88.5

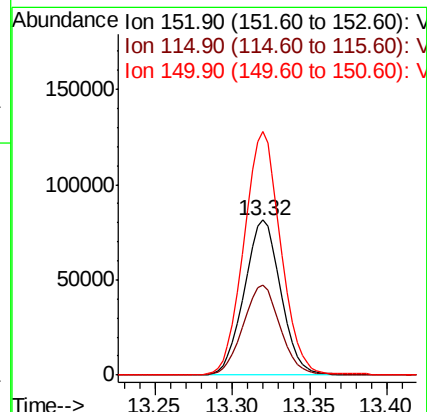
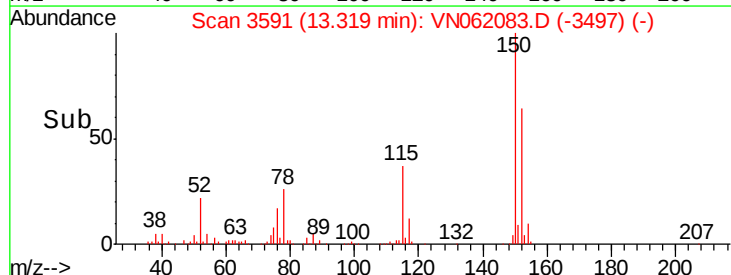
150 158.3 0.0 351.4

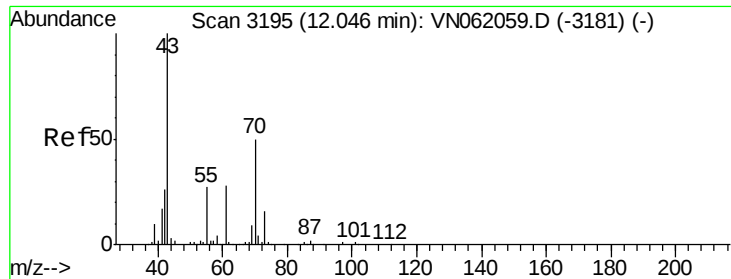


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.388 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062083.D

Acq: 24 Jun 2020 23:50

Instrument :

MSVOA_N

ClientSampleId :

PB129726TB

Tot Ion: 43 Resp: 186

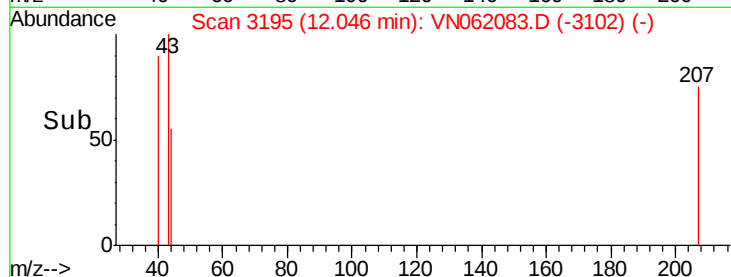
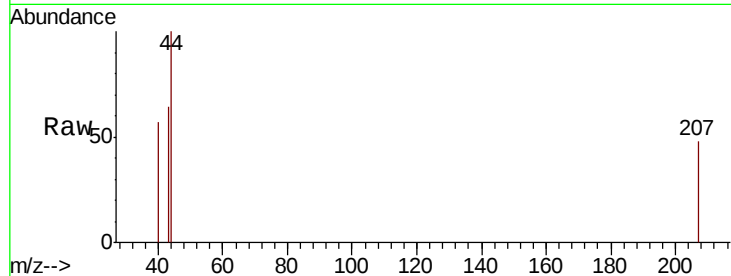
Ion Ratio Lower Upper

43 100

70 0.0 39.4 59.2#

55 0.0 21.7 32.5#

61 0.0 21.3 31.9#

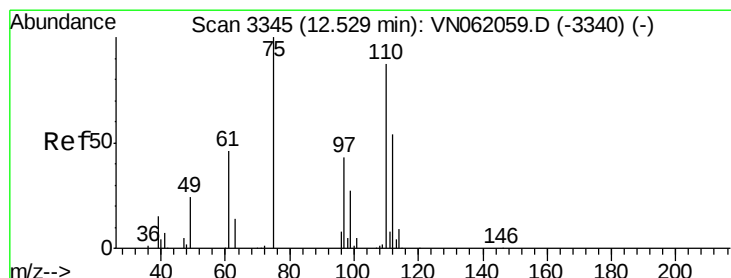
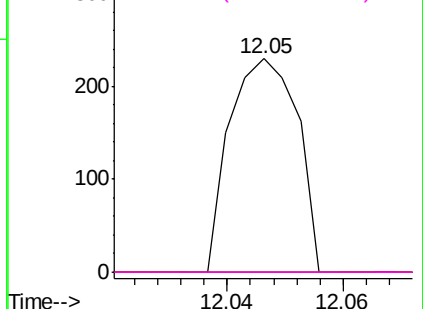


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 25.120 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062083.D

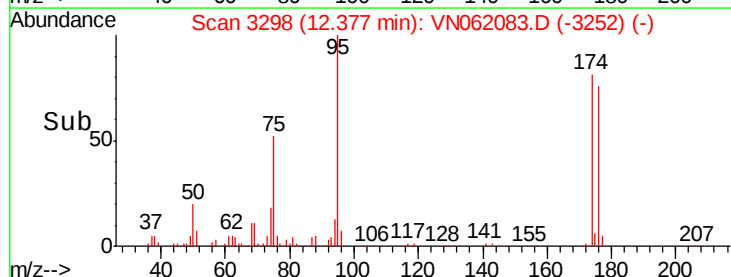
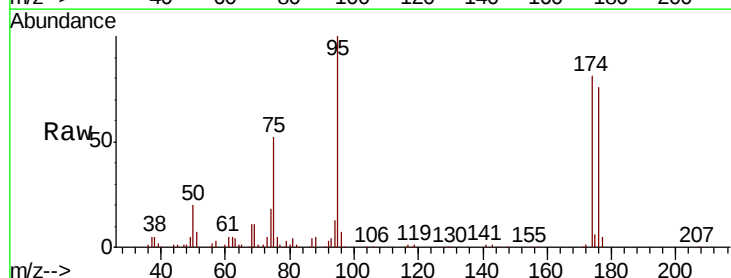
Acq: 24 Jun 2020 23:50

Tgt Ion: 75 Resp: 79431

Ion Ratio Lower Upper

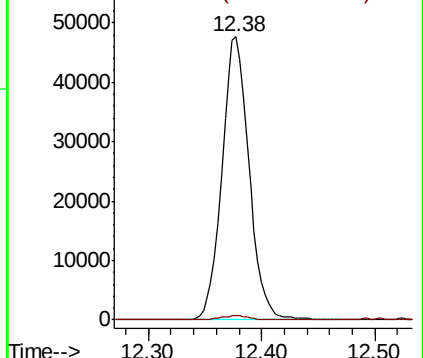
75 100

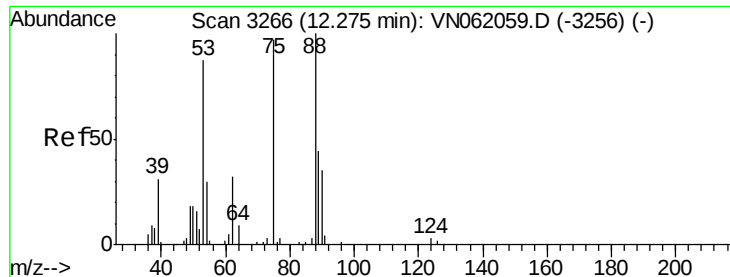
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 73.361 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062083.D

Acq: 24 Jun 2020 23:50

Instrument :

MSVOA_N

ClientSampled :

PB129726TB

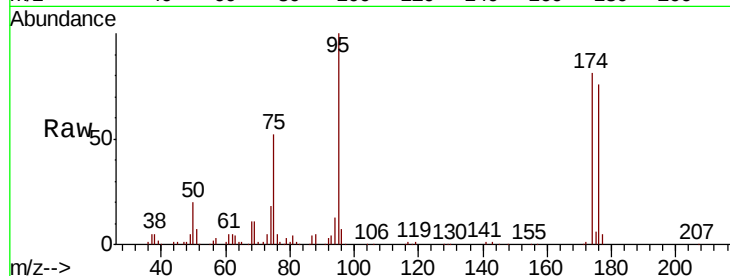
Tot Ion: 75 Resp: 79431

Ion Ratio Lower Upper

75 100

53 0.0 72.0 108.0#

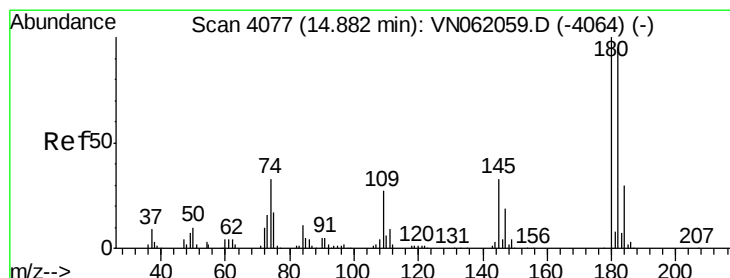
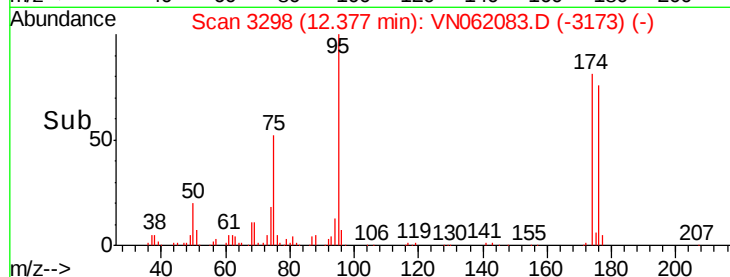
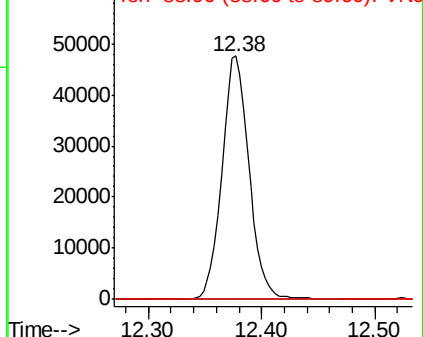
89 0.0 36.9 55.3#



Abundance Ion 74.90 (74.60 to 75.60): VN062059.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN062059.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN062059.D (-3256) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.357 ug/l

RT: 14.89 min Scan# 4079

Delta R.T. 0.01 min

Lab File: VN062083.D

Acq: 24 Jun 2020 23:50

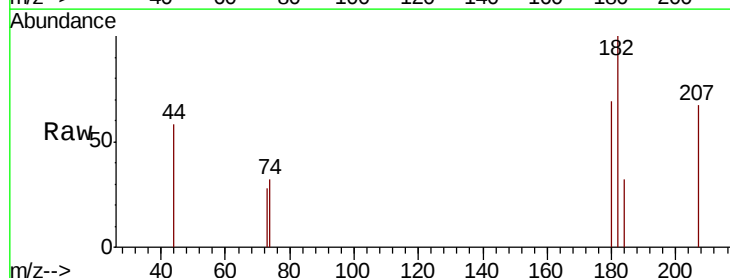
Tgt Ion: 180 Resp: 685

Ion Ratio Lower Upper

180 100

182 137.8 48.0 144.2

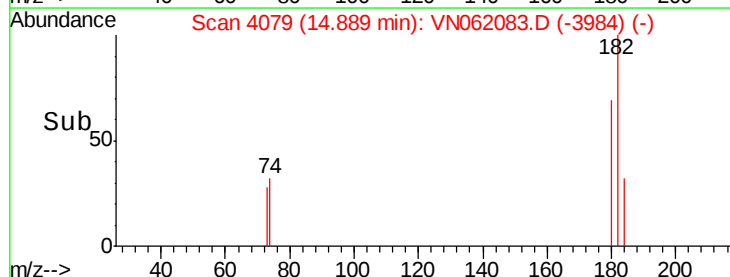
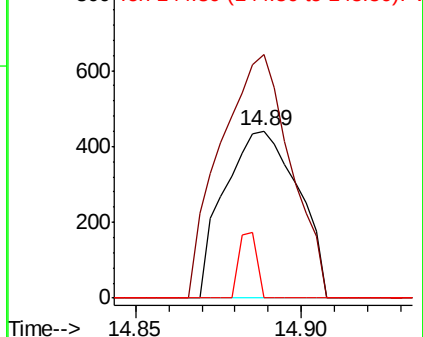
145 9.6 16.0 48.0#

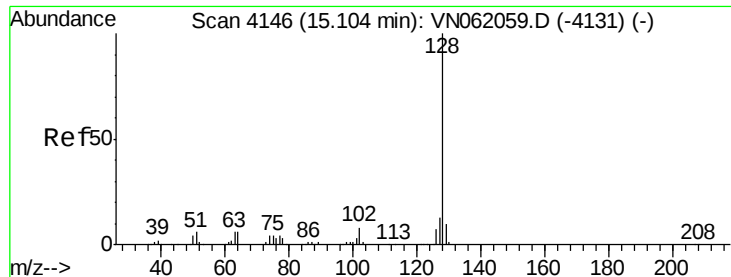


Abundance Ion 179.80 (179.50 to 180.50): VN062059.D (-4064) (-)

Ion 181.80 (181.50 to 182.50): VN062059.D (-4064) (-)

Ion 144.80 (144.50 to 145.50): VN062059.D (-4064) (-)





#95

Naphthalene

Concen: 4.529 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062083.D

Acq: 24 Jun 2020 23:50

Instrument :

MSVOA_N

ClientSampleId :

PB129726TB

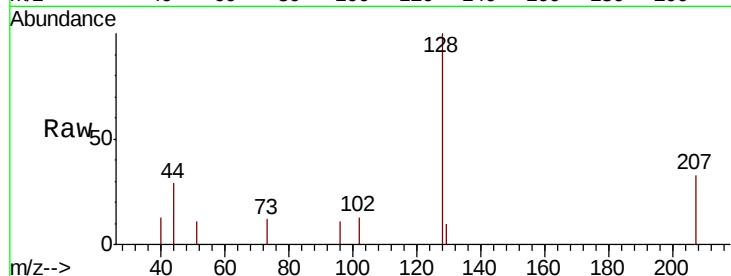
Tot Ion:128 Resp: 3717

Ion Ratio Lower Upper

128 100

127 1.7 10.5 15.7#

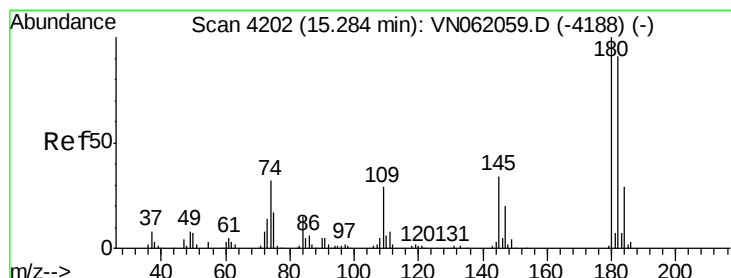
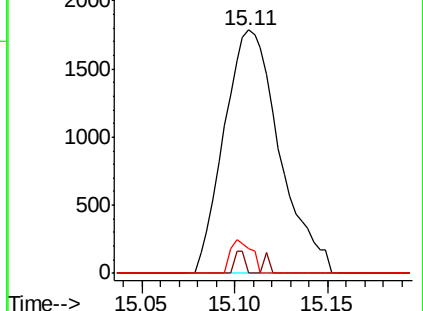
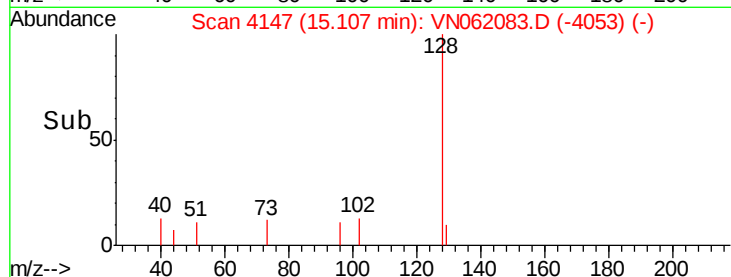
129 5.1 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.456 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN062083.D

Acq: 24 Jun 2020 23:50

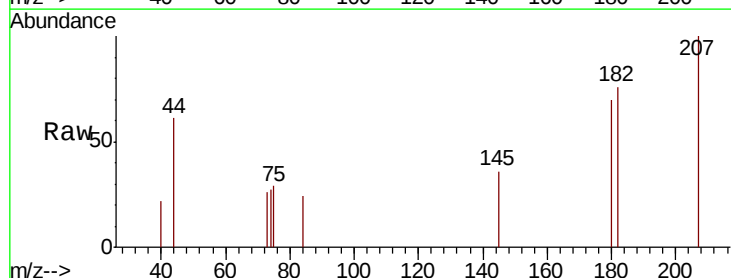
Tgt Ion:180 Resp: 896

Ion Ratio Lower Upper

180 100

182 107.7 46.8 140.4

145 40.5 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

