

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082620\
 Data File : VN063134.D
 Acq On : 26 Aug 2020 15:47
 Operator : JC/MD
 Sample : L3774-09
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-1-2

Quant Time: Aug 26 16:14:05 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

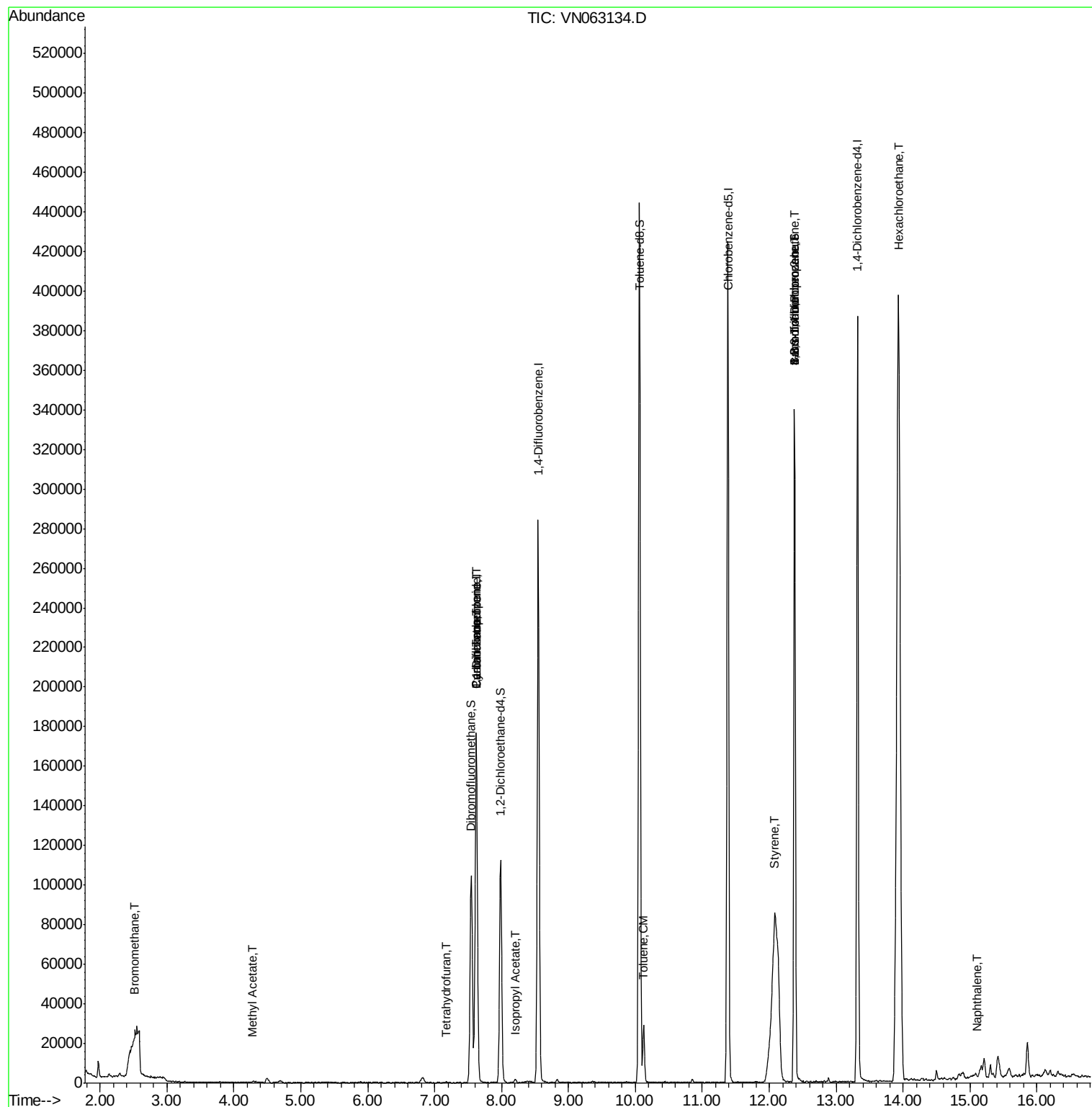
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	152726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	254868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	252661	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	109854	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	94364	52.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.26%	
35) Dibromofluoromethane	7.55	113	83315	50.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.34%	
50) Toluene-d8	10.06	98	320372	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.38	95	120665	53.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.20%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.50	94	458	0.381 ug/l	#	75
16) Acetone	3.80	43	690	Below Cal	#	40
18) Methyl Acetate	4.28	43	472	0.262 ug/l	#	52
20) Methylene Chloride	4.49	84	1818	Below Cal		92
29) Tetrahydrofuran	7.18	42	397	0.640 ug/l	#	34
31) Cyclohexane	7.62	56	2730	1.023 ug/l	#	1
36) 1,1-Dichloropropene	7.62	75	11366	5.060 ug/l	#	48
38) Carbon Tetrachloride	7.63	117	13722	6.051 ug/l	#	18
43) Isopropyl Acetate	8.21	43	872	0.250 ug/l	#	53
52) Toluene	10.12	92	11597	2.699 ug/l		100
70) Styrene	12.08	104	64	1.934 ug/l	#	1
71) Bromoform	12.38	173	558	0.355 ug/l	#	1
76) 1,2,3-Trichloropropane	12.38	75	57966	27.146 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.38	75	57966	74.556 ug/l	#	15
90) Hexachloroethane	13.93	117	10388	7.732 ug/l	#	5
95) Naphthalene	15.11	128	896	5.824 ug/l	#	69

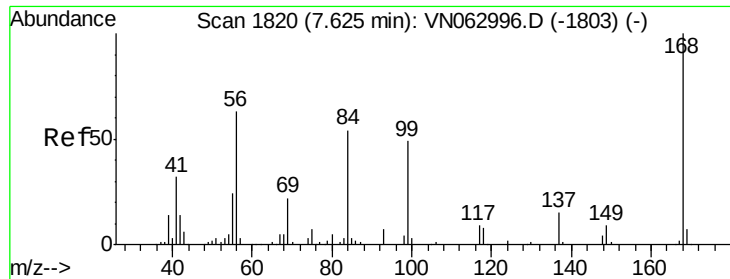
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_N

ClientSampleId :

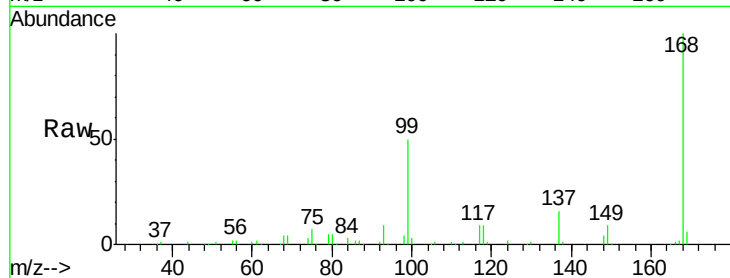
TOTE-1-2

Tgt Ion:168 Resp: 152726

Ion Ratio Lower Upper

168 100

99 50.4 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

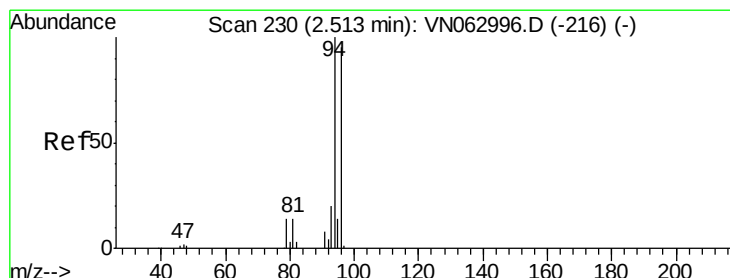
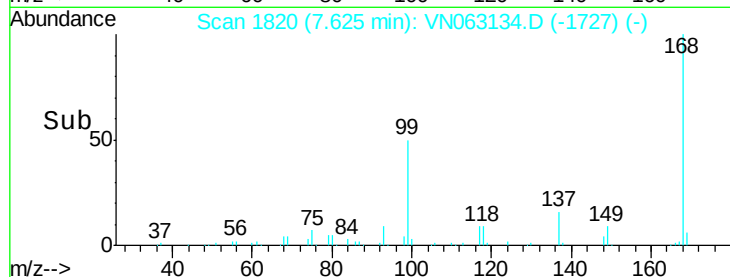
40000

20000

0

Time-->

7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: 0.381 ug/l

RT: 2.50 min Scan# 226

Delta R.T. -0.01 min

Lab File: VN063134.D

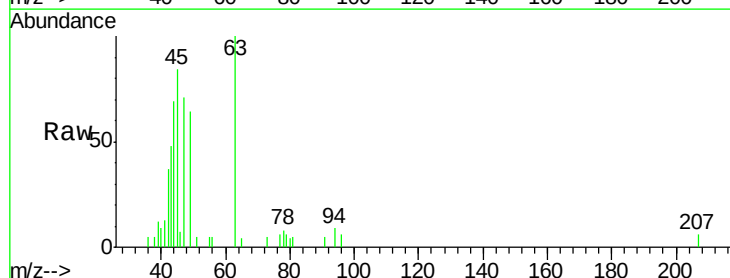
Acq: 26 Aug 2020 15:47

Tgt Ion: 94 Resp: 458

Ion Ratio Lower Upper

94 100

96 70.4 75.8 113.8#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.50

300

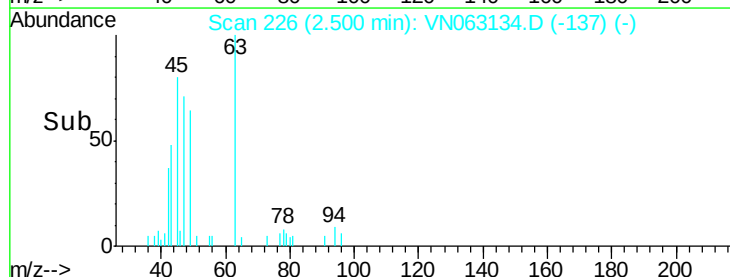
200

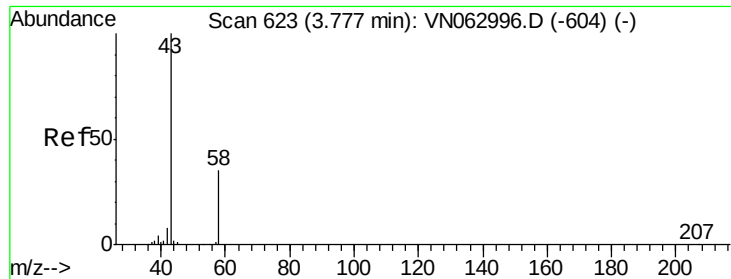
100

0

Time-->

2.48 2.50 2.52 2.54

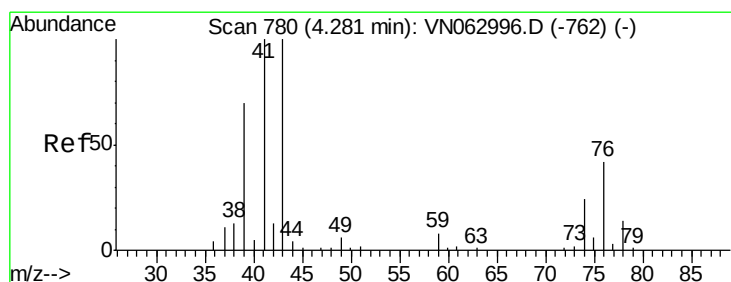
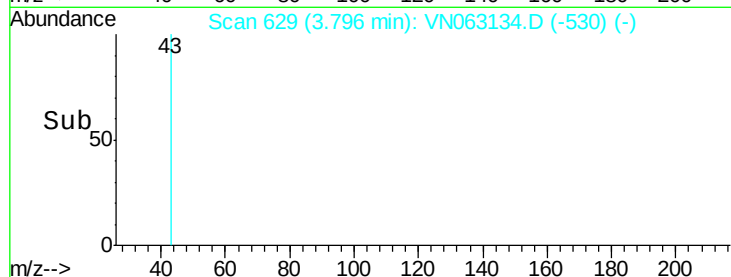
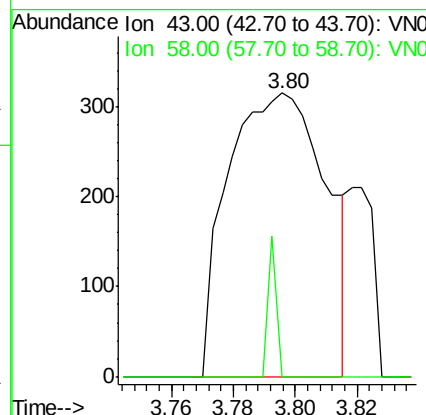
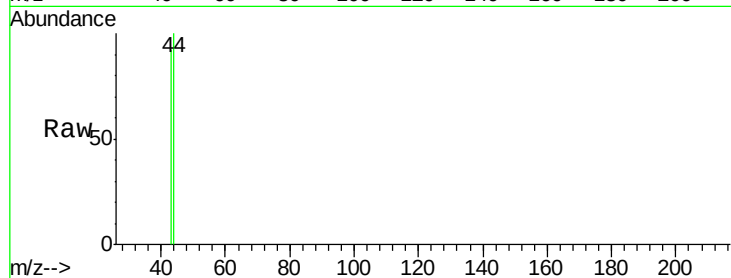




#16
Acetone
Concen: Below Cal
RT: 3.80 min Scan# 629
Delta R.T. 0.02 min
Lab File: VN063134.D
Acq: 26 Aug 2020 15:47

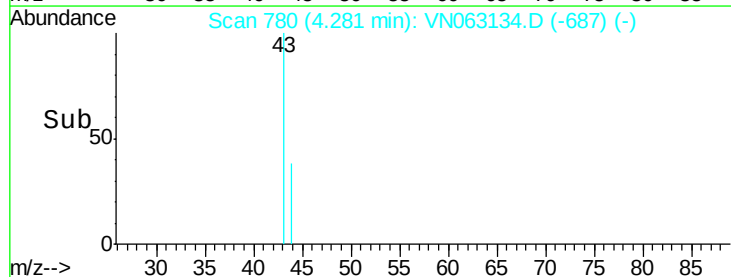
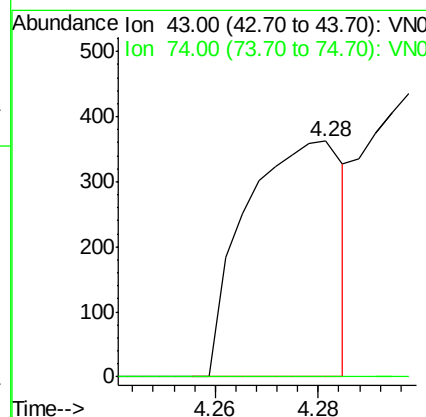
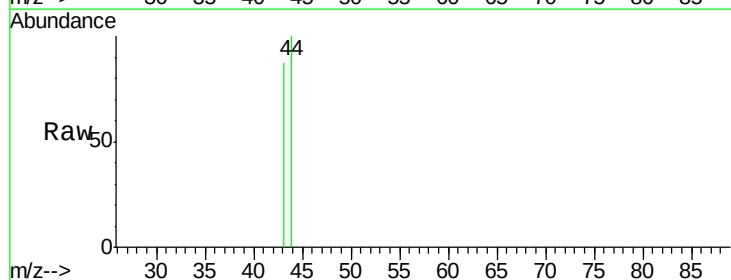
Instrument :
MSVOA_N
ClientSampleId :
TOTE-1-2

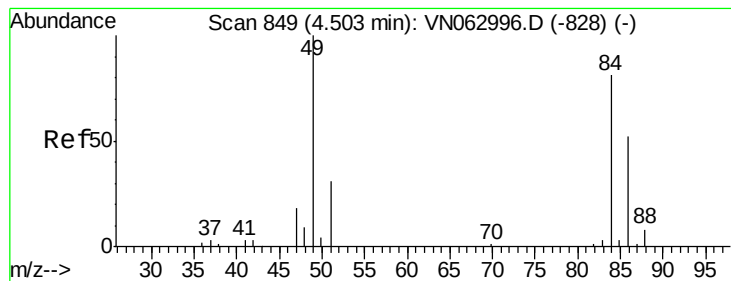
Tgt Ion: 43 Resp: 690
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.6#



#18
Methyl Acetate
Concen: 0.262 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.00 min
Lab File: VN063134.D
Acq: 26 Aug 2020 15:47

Tgt Ion: 43 Resp: 472
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.49 min Scan# 845

Delta R.T. -0.01 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_N

ClientSampled :

TOTE-1-2

Tgt Ion: 84 Resp: 1818

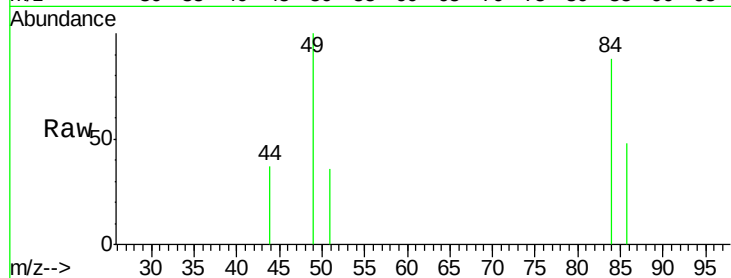
Ion Ratio Lower Upper

84 100

49 114.2 98.7 148.1

51 41.5 30.8 46.2

86 55.2 51.2 76.8

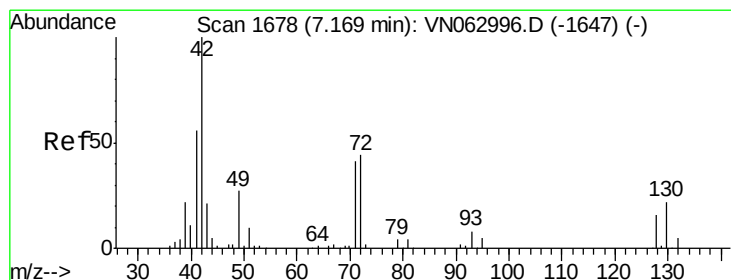
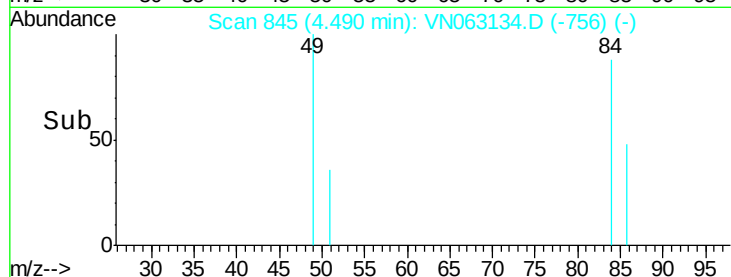
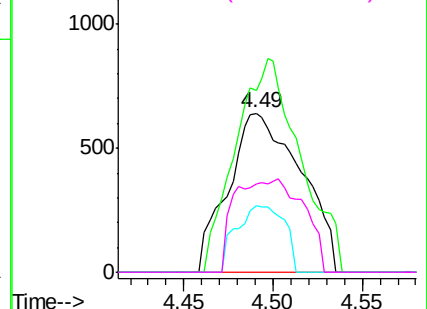


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29

Tetrahydrofuran

Concen: 0.640 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

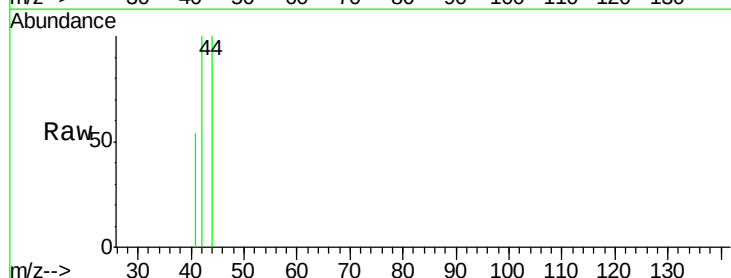
Tgt Ion: 42 Resp: 397

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

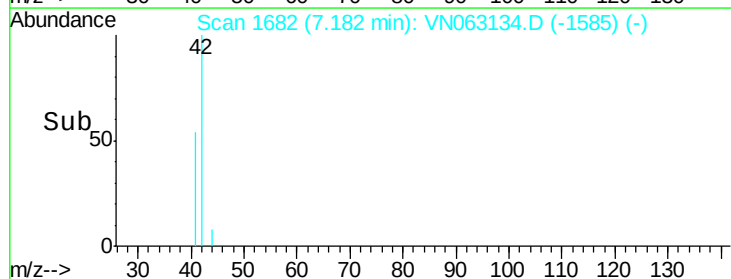
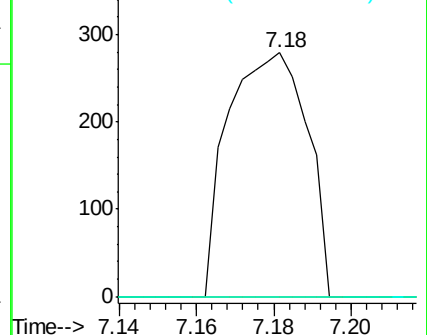
71 0.0 32.3 48.5#

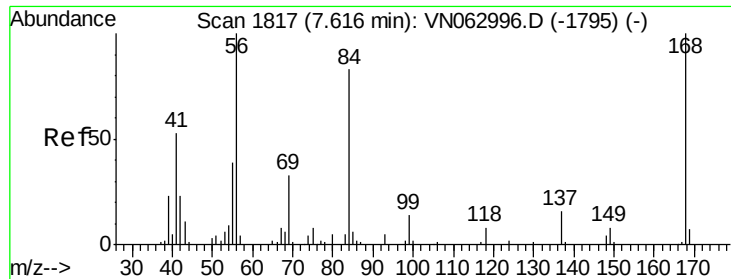


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

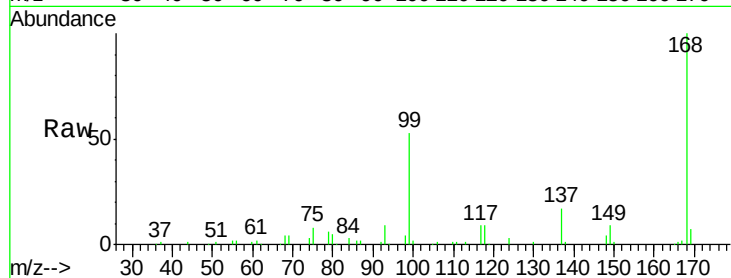




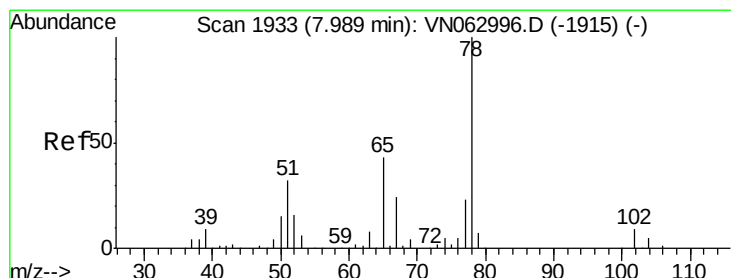
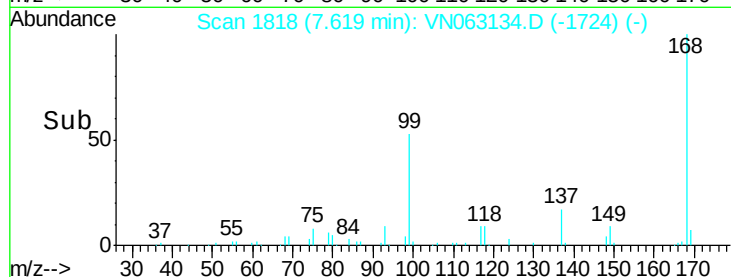
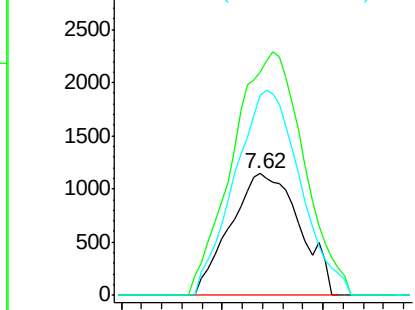
#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN063134.D
Acq: 26 Aug 2020 15:47

Instrument :
MSVOA_N
ClientSampleId :
TOTE-1-2

Tgt Ion: 56 Resp: 2730
Ion Ratio Lower Upper
56 100
69 183.1 26.6 40.0#
84 163.8 66.4 99.6#

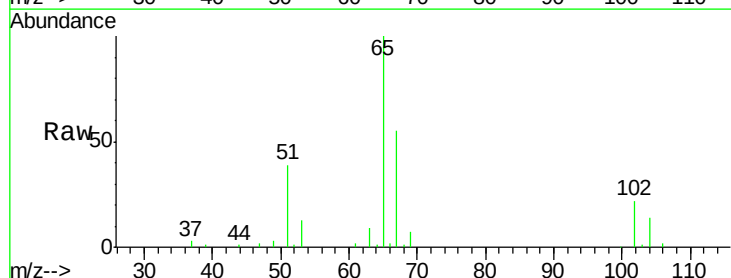


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

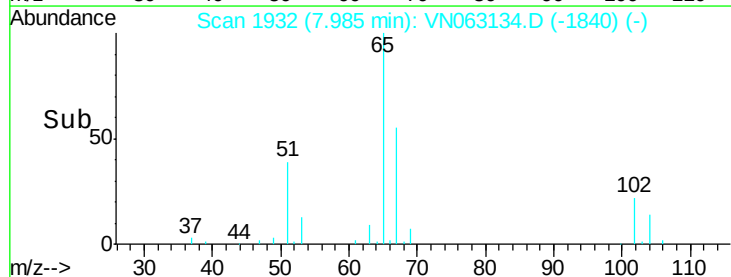
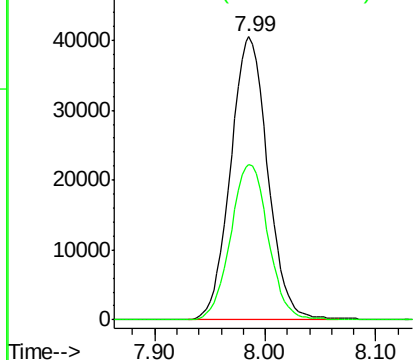


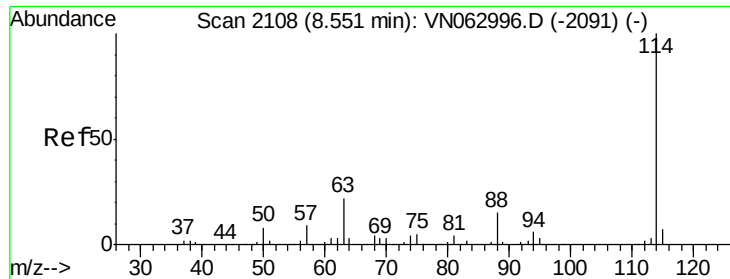
#33
1,2-Dichloroethane-d4
Concen: 52.132 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.00 min
Lab File: VN063134.D
Acq: 26 Aug 2020 15:47

Tgt Ion: 65 Resp: 94364
Ion Ratio Lower Upper
65 100
67 55.5 0.0 112.0



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

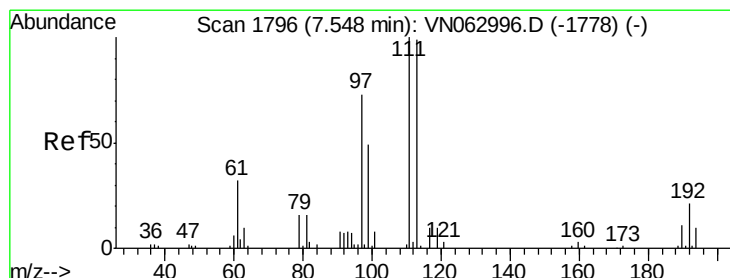
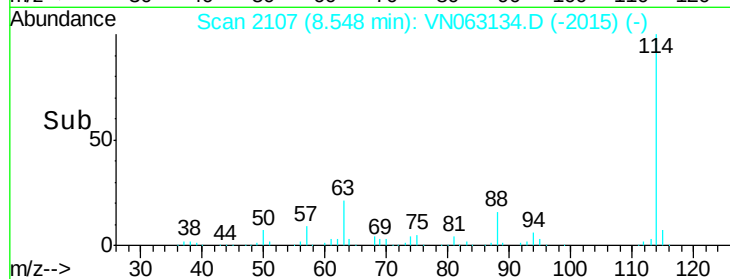
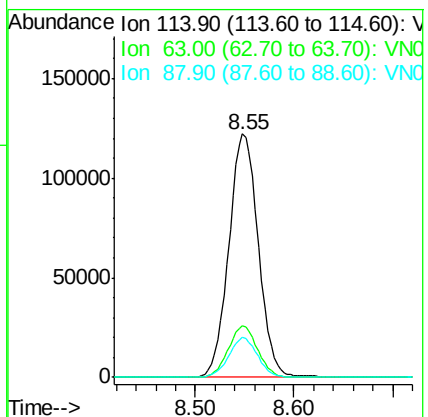
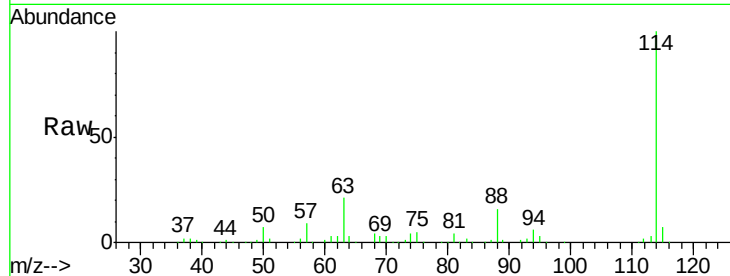




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063134.D
 Acq: 26 Aug 2020 15:47

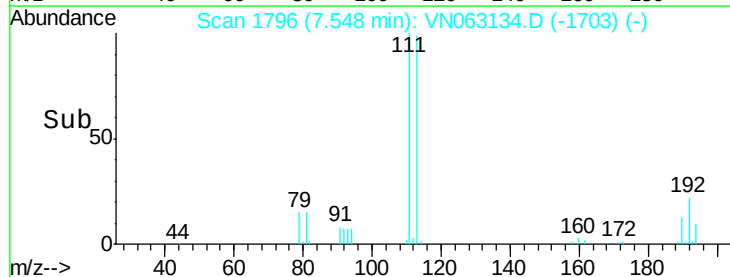
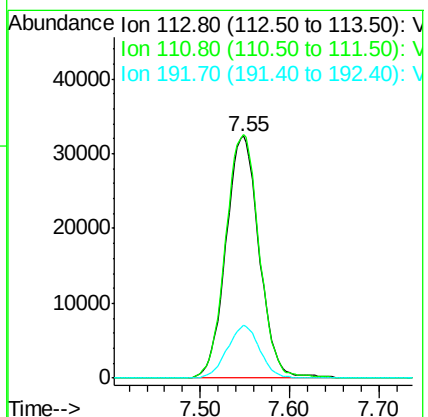
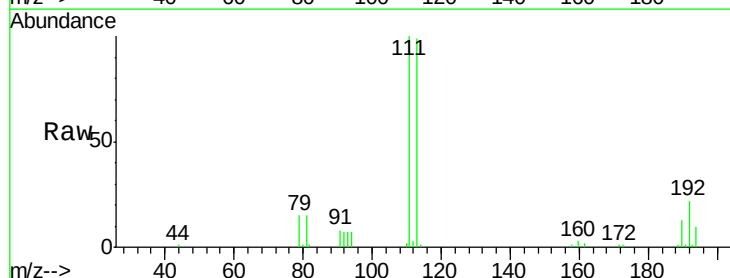
Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-1-2

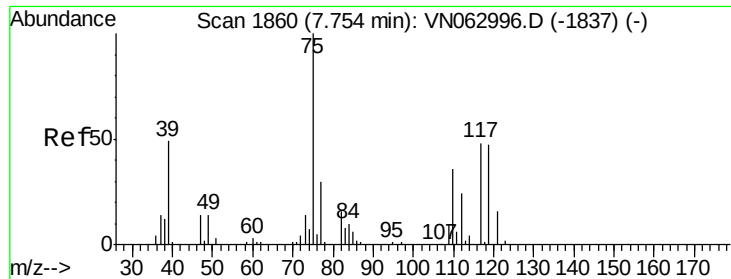
Tgt Ion:114 Resp: 254868
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 43.2
 88 16.4 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 50.168 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN063134.D
 Acq: 26 Aug 2020 15:47

Tgt Ion:113 Resp: 83315
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.7 122.5
 192 21.2 17.5 26.3





#36

1,1-Dichloropropene

Concen: 5.060 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.13 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_N

ClientSampled :

TOTE-1-2

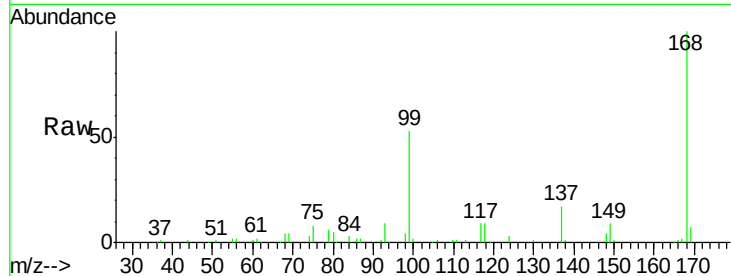
Tgt Ion: 75 Resp: 11366

Ion Ratio Lower Upper

75 100

110 6.5 17.5 52.6#

77 0.0 24.2 36.4#

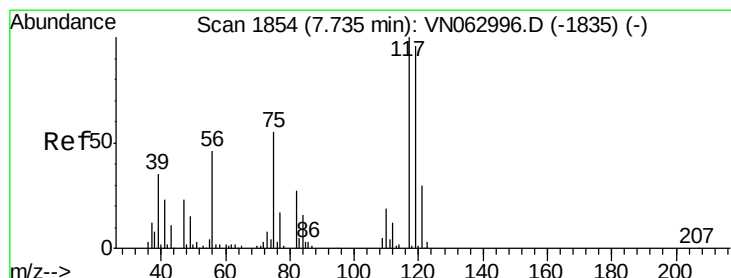
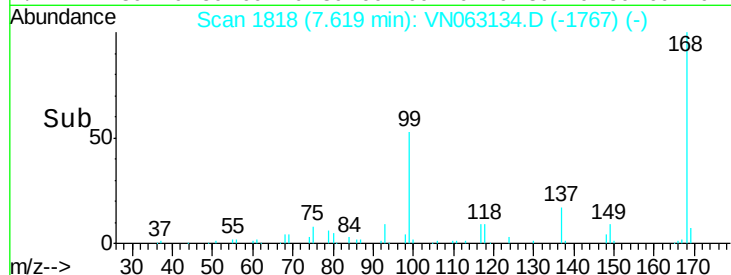


Abundance Ion 74.90 (74.60 to 75.60): VN062996.D (-1837) (-)

Ion 109.90 (109.60 to 110.60): VN062996.D (-1837) (-)

Ion 76.90 (76.60 to 77.60): VN062996.D (-1837) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.051 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

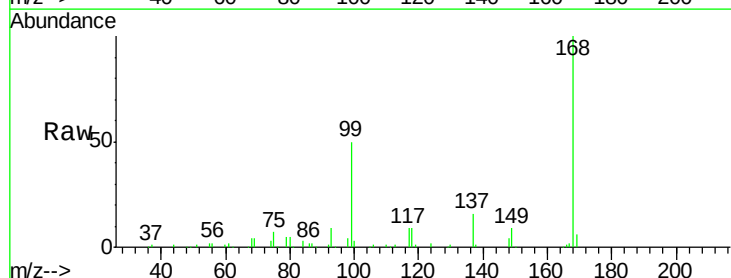
Tgt Ion: 117 Resp: 13722

Ion Ratio Lower Upper

117 100

119 6.8 76.2 114.4#

121 0.0 24.2 36.2#

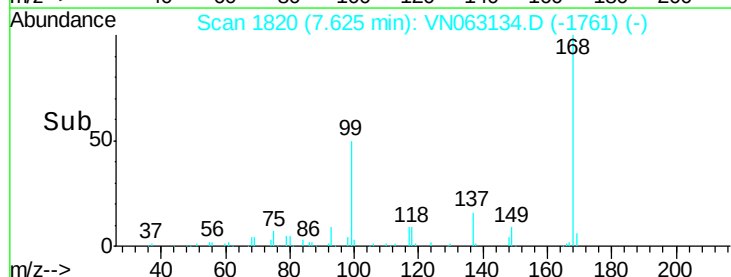


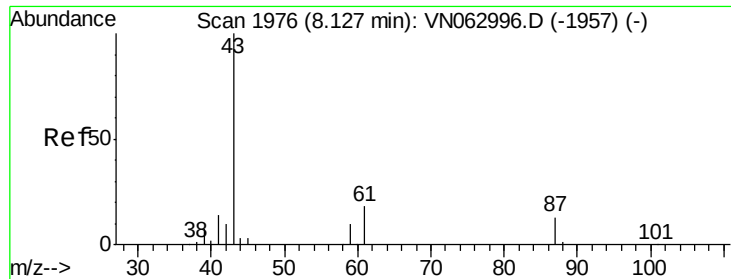
Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-1835) (-)

Ion 118.80 (118.50 to 119.50): VN062996.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062996.D (-1835) (-)

Time-->

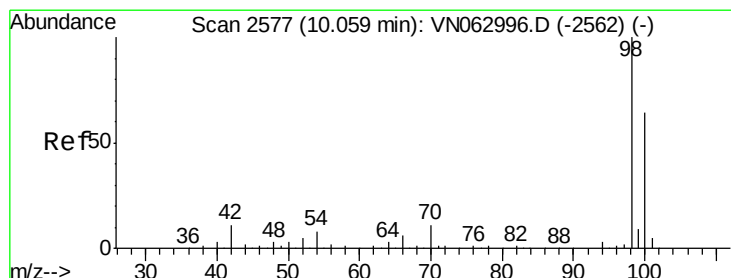
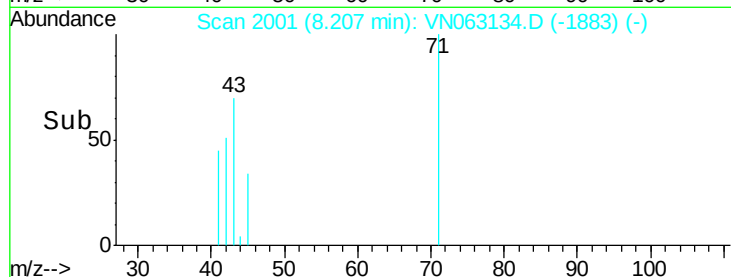
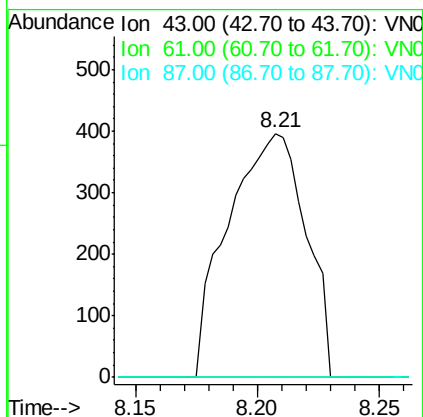
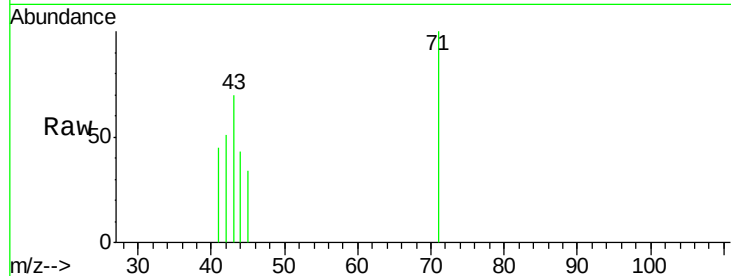




#43
Isopropyl Acetate
Concen: 0.250 ug/l
RT: 8.21 min Scan# 2001
Delta R.T. 0.08 min
Lab File: VN063134.D
Acq: 26 Aug 2020 15:47

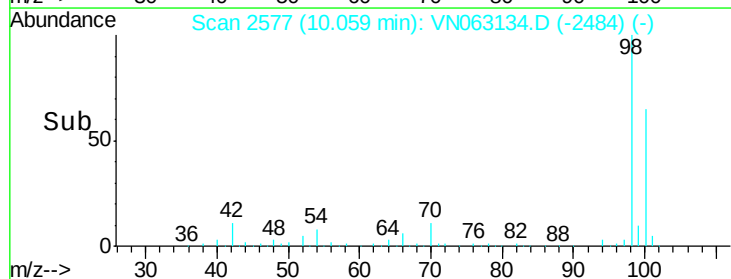
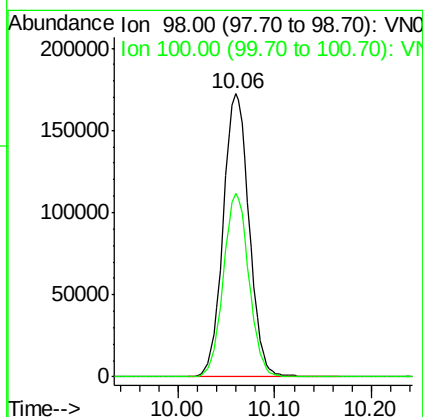
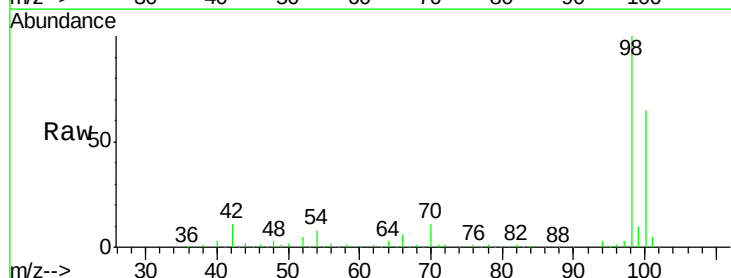
Instrument :
MSVOA_N
ClientSampled :
TOTE-1-2

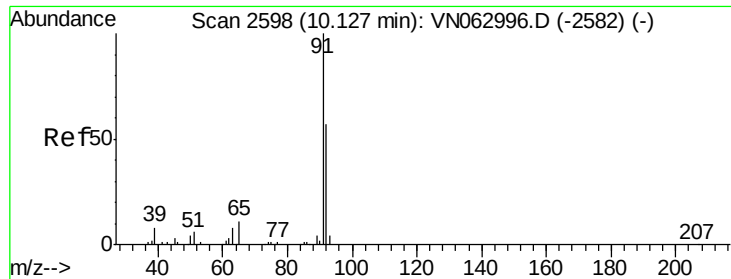
Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
61 0.0 22.6 33.8#
87 0.0 10.5 15.7#



#50
Toluene-d8
Concen: 50.224 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063134.D
Acq: 26 Aug 2020 15:47

Tgt Ion: 98 Resp: 320372
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8





#52

Toluene

Concen: 2.699 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_N

ClientSampled :

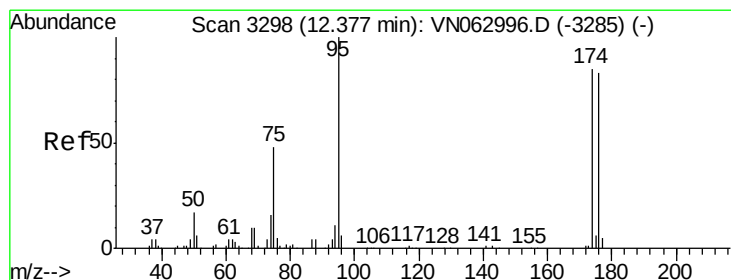
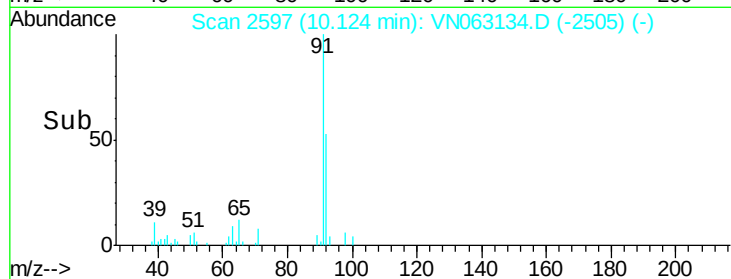
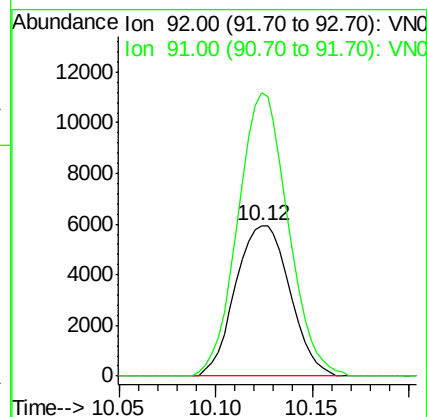
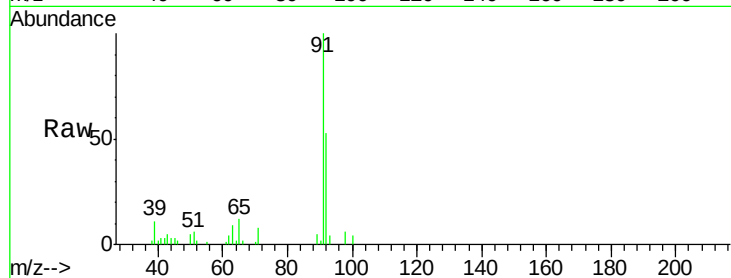
TOTE-1-2

Tgt Ion: 92 Resp: 11597

Ion Ratio Lower Upper

92 100

91 174.0 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 53.605 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

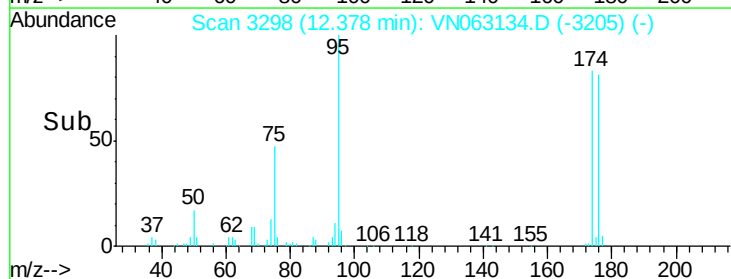
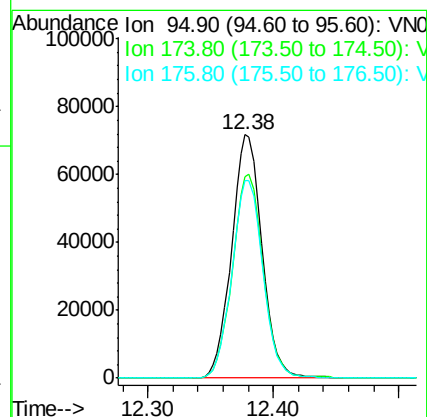
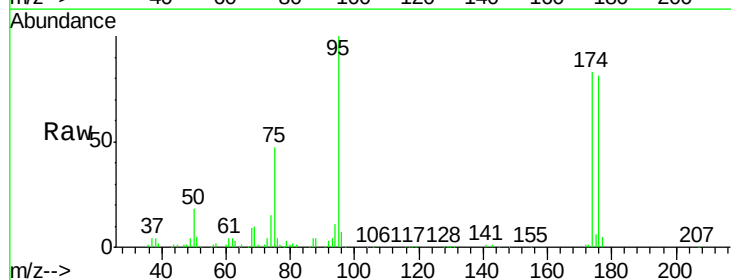
Tgt Ion: 95 Resp: 120665

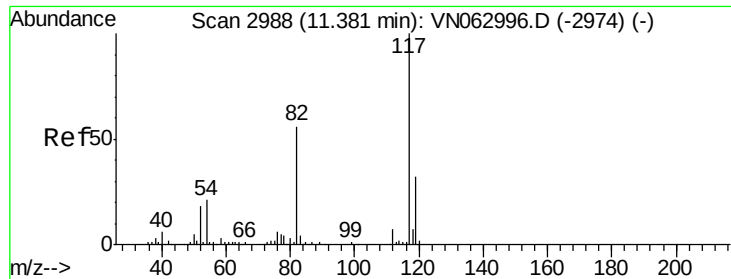
Ion Ratio Lower Upper

95 100

174 84.6 0.0 170.8

176 82.5 0.0 164.8

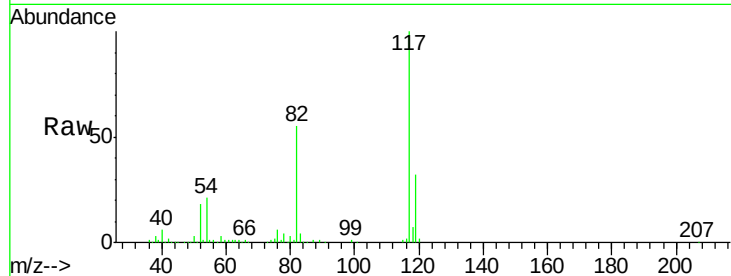




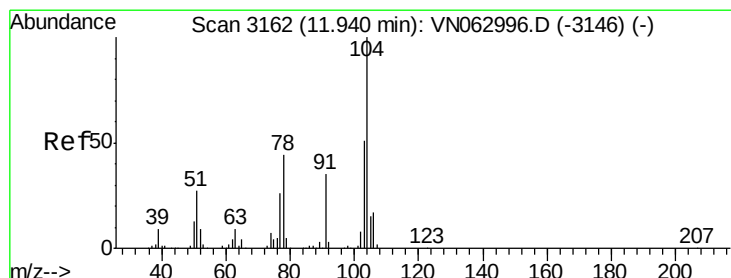
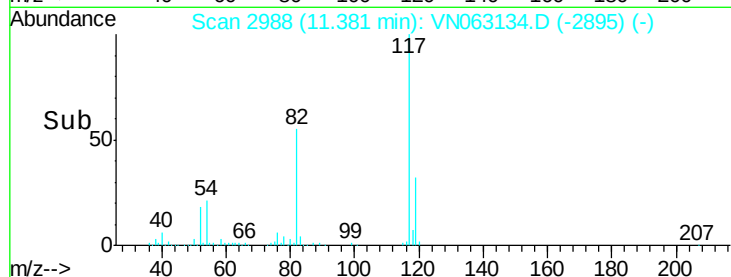
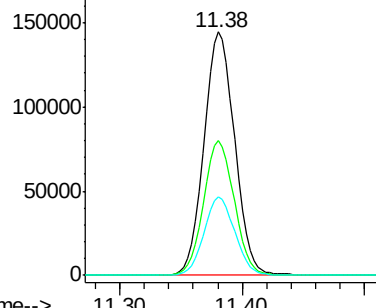
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063134.D
Acq: 26 Aug 2020 15:47

Instrument :
MSVOA_N
ClientSampled :
TOTE-1-2

Tgt Ion:117 Resp: 252661
Ion Ratio Lower Upper
117 100
82 55.2 44.5 66.7
119 32.4 25.5 38.3

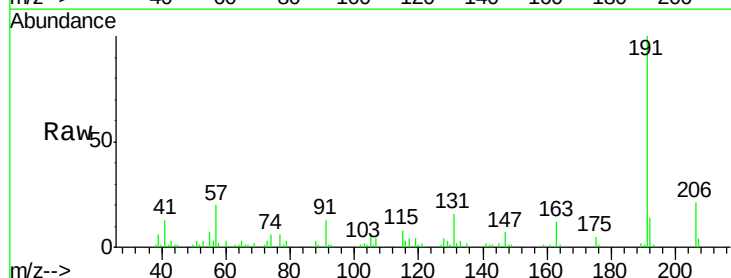


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

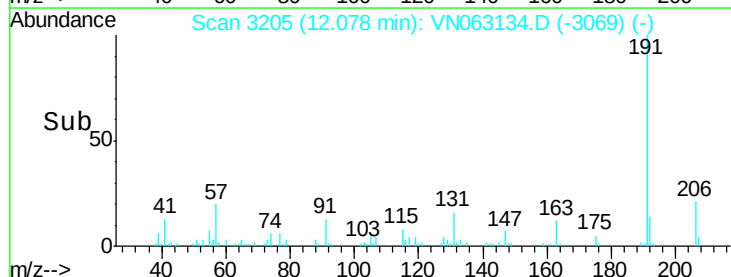
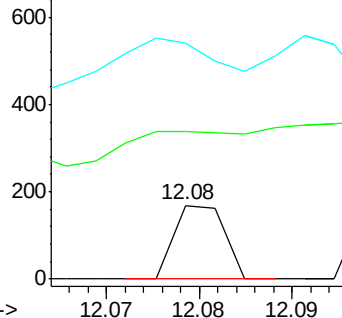


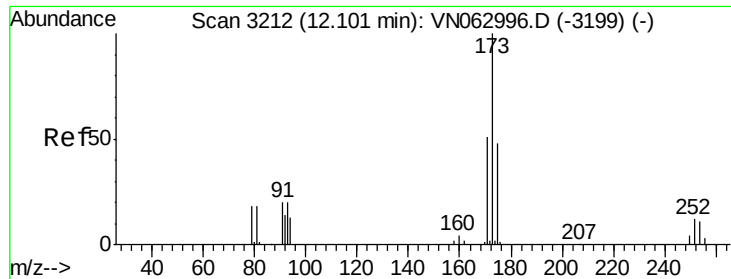
#70
Styrene
Concen: 1.934 ug/l
RT: 12.08 min Scan# 3205
Delta R.T. 0.14 min
Lab File: VN063134.D
Acq: 26 Aug 2020 15:47

Tgt Ion:104 Resp: 64
Ion Ratio Lower Upper
104 100
78 96.9 39.0 58.6#
103 1143.8 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.355 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_N

ClientSampled :

TOTE-1-2

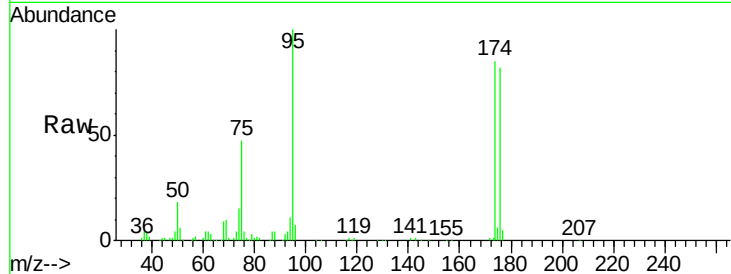
Tgt Ion:173 Resp: 558

Ion Ratio Lower Upper

173 100

175 1090.1 24.3 72.8#

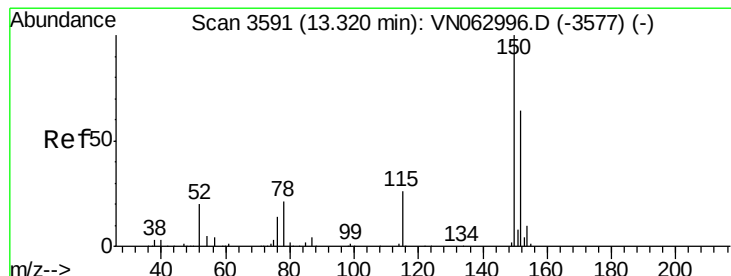
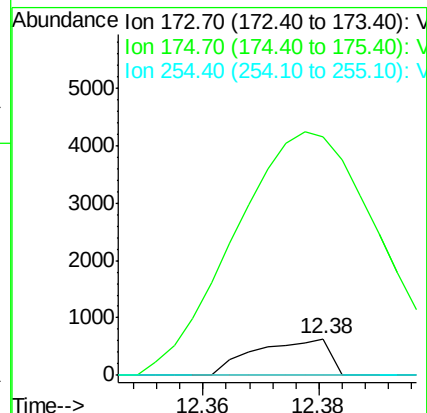
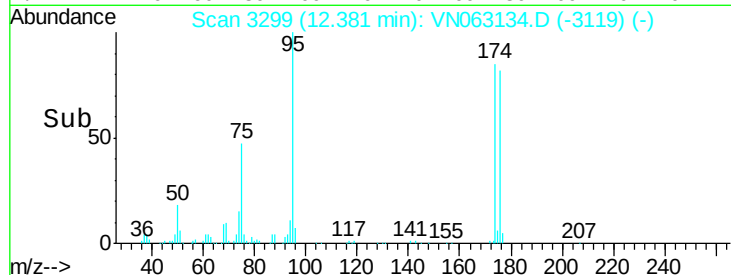
254 0.0 0.0 0.0



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: VN063134.D

Acq: 26 Aug 2020 15:47

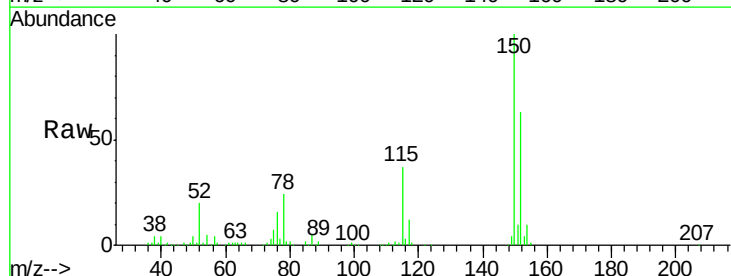
Tgt Ion:152 Resp: 109854

Ion Ratio Lower Upper

152 100

115 57.5 28.7 86.3

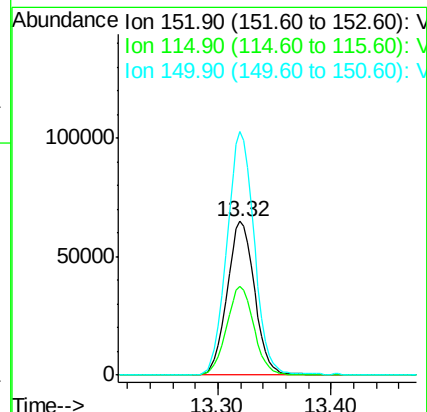
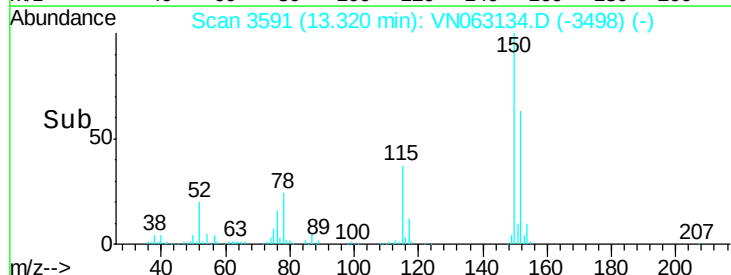
150 156.9 0.0 348.8

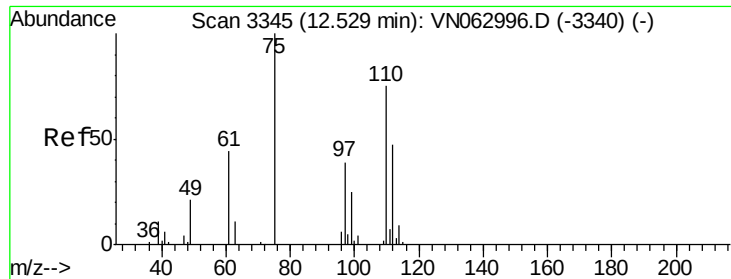


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.146 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_N

ClientSampleId :

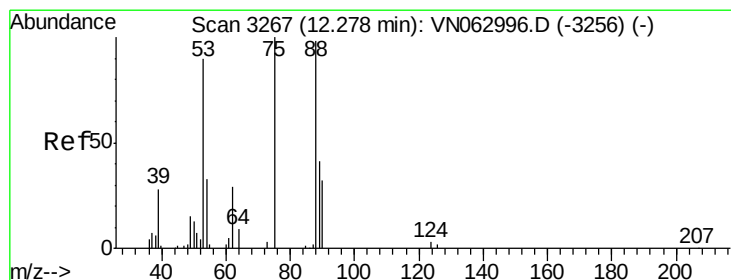
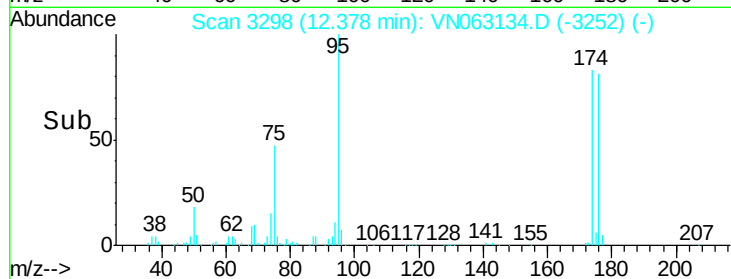
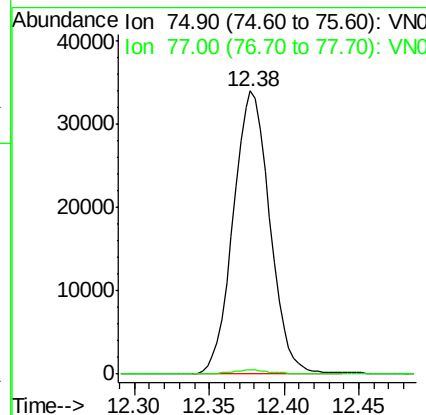
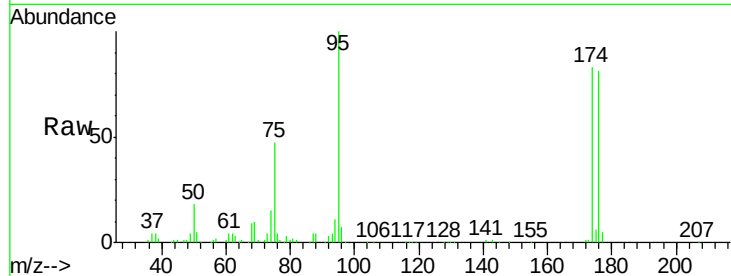
TOTE-1-2

Tgt Ion: 75 Resp: 57966

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.556 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

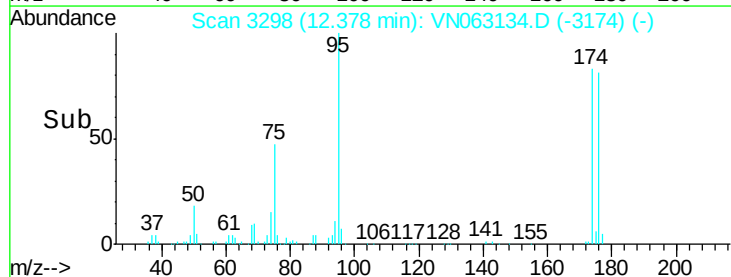
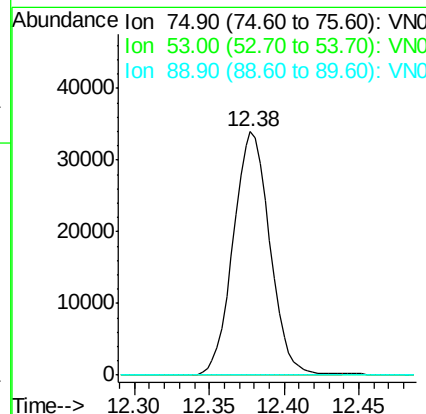
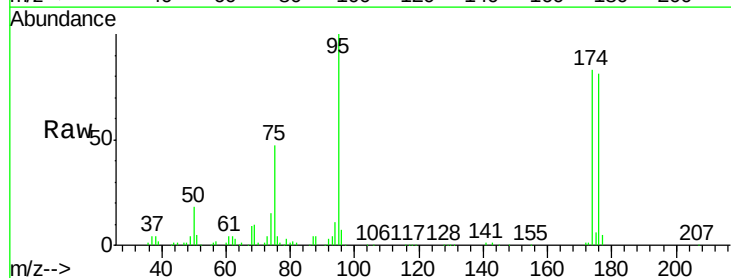
Tgt Ion: 75 Resp: 57966

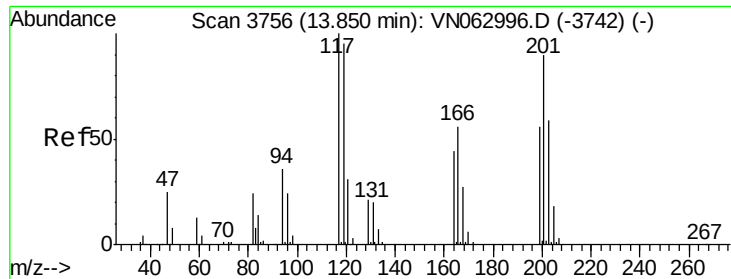
Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

89 0.0 34.2 51.4#





#90

Hexachloroethane

Concen: 7.732 ug/l

RT: 13.93 min Scan# 3782

Delta R.T. 0.08 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

Instrument :

MSVOA_N

ClientSampleId :

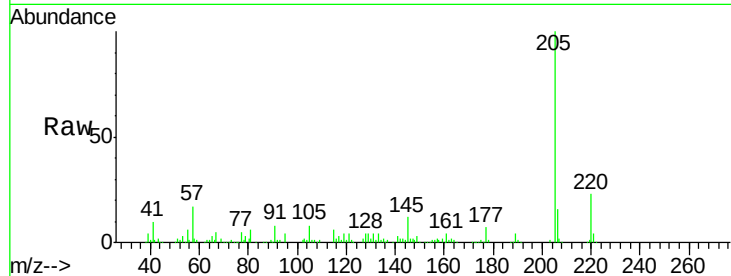
TOTE-1-2

Tgt Ion:117 Resp: 10388

Ion Ratio Lower Upper

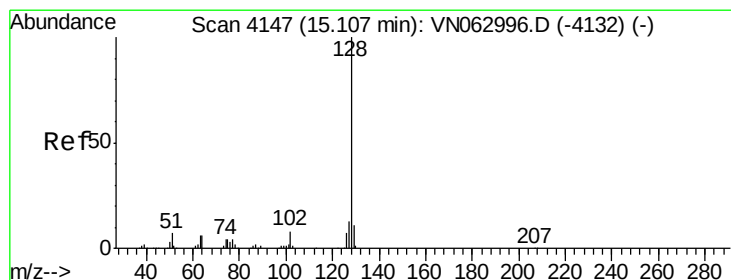
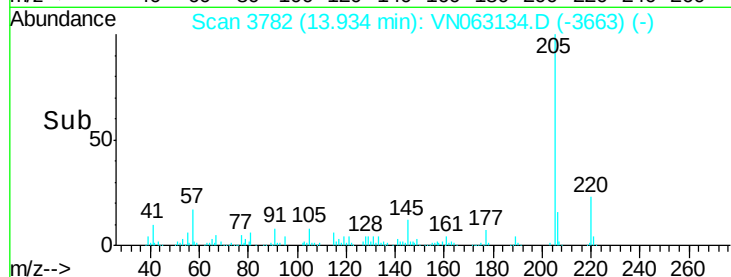
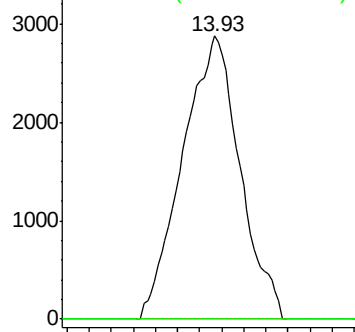
117 100

201 0.0 44.1 132.4#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#95

Naphthalene

Concen: 5.824 ug/l

RT: 15.11 min Scan# 4149

Delta R.T. 0.01 min

Lab File: VN063134.D

Acq: 26 Aug 2020 15:47

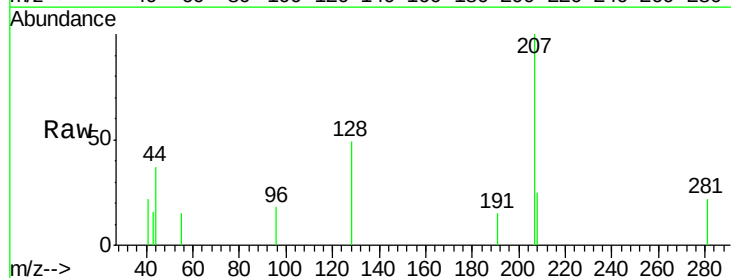
Tgt Ion:128 Resp: 896

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

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

