

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082420\NOT REVIEWED DATA\
 Data File : VN063088.D
 Acq On : 24 Aug 2020 12:15
 Operator : JC/MD
 Sample : VN0824MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBL01

Quant Time: Aug 24 14:05:38 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	138814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	227341	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	222462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	82070	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	89204	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.54	113	77464	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	10.06	98	285752	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.38	95	90054	44.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.70%	

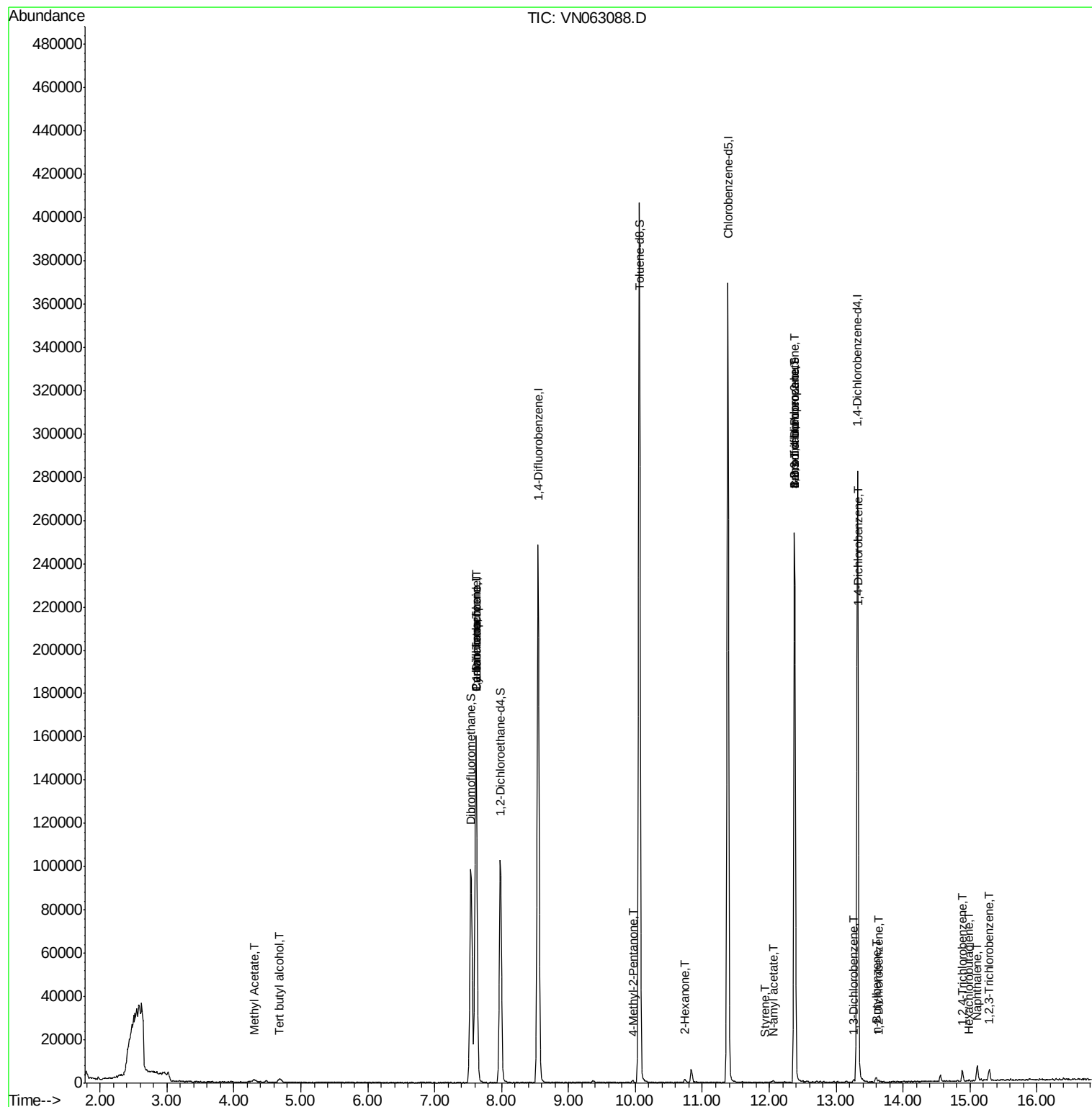
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.67	59	815	3.497	ug/l #	74
16) Acetone	3.80	43	215	Below Cal	#	40
18) Methyl Acetate	4.29	43	1831	1.120	ug/l #	90
20) Methylene Chloride	4.49	84	289	Below Cal	#	29
31) Cyclohexane	7.62	56	2683	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	9774	4.879	ug/l #	50
38) Carbon Tetrachloride	7.62	117	12268	6.065	ug/l #	18
51) 4-Methyl-2-Pentanone	9.96	43	1038	0.528	ug/l #	67
59) 2-Hexanone	10.74	43	1795	1.309	ug/l	76
70) Styrene	11.94	104	61	1.935	ug/l #	26
71) Bromoform	12.38	173	681	0.492	ug/l #	1
74) N-amyl acetate	12.05	43	1002	0.498	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.49	83	212	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.38	75	43828	27.474	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	43828	75.456	ug/l #	15
87) 1,3-Dichlorobenzene	13.26	146	587	0.221	ug/l #	69
88) 1,4-Dichlorobenzene	13.34	146	813	0.302	ug/l #	3
89) n-Butylbenzene	13.59	91	2069	3.207	ug/l	90
91) 1,2-Dichlorobenzene	13.63	146	562	0.219	ug/l	94
93) 1,2,4-Trichlorobenzene	14.89	180	2328	6.033	ug/l	88
94) Hexachlorobutadiene	14.99	225	318	0.335	ug/l #	65
95) Naphthalene	15.11	128	8077	7.831	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.29	180	2635	5.706	ug/l	97

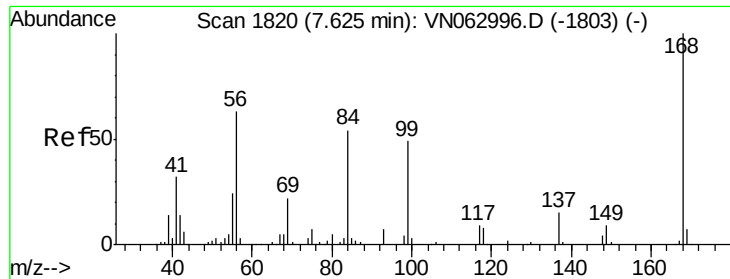
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

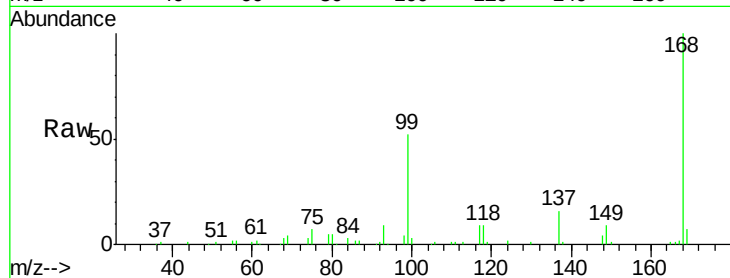
VN0824MBL01

Tgt Ion: 168 Resp: 138814

Ion Ratio Lower Upper

168 100

99 51.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN062996.D (-1803) (-)

Ion 98.90 (98.60 to 99.60): VN062996.D (-1803) (-)

7.62

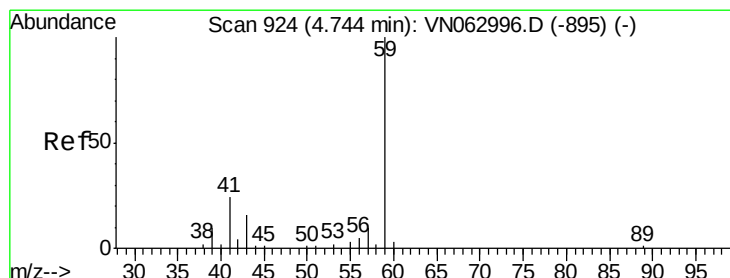
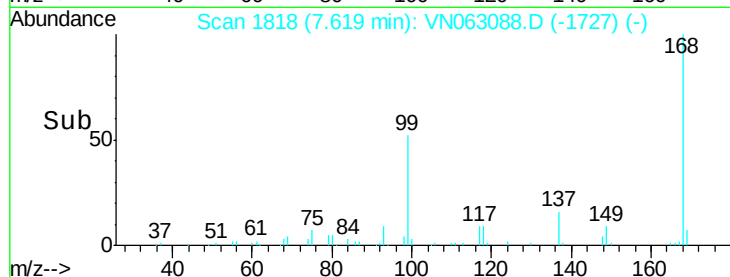
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.497 ug/l

RT: 4.67 min Scan# 901

Delta R.T. -0.07 min

Lab File: VN063088.D

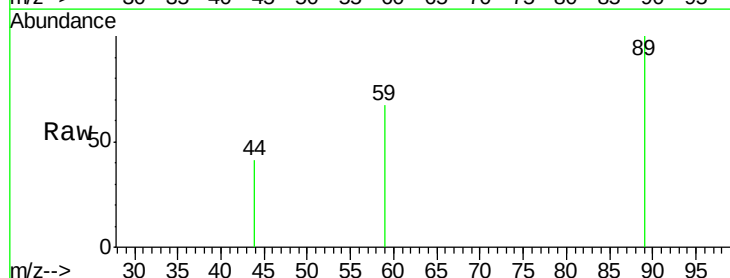
Acq: 24 Aug 2020 12:15

Tgt Ion: 59 Resp: 815

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN062996.D (-895) (-)

Ion 57.00 (56.70 to 57.70): VN062996.D (-895) (-)

4.67

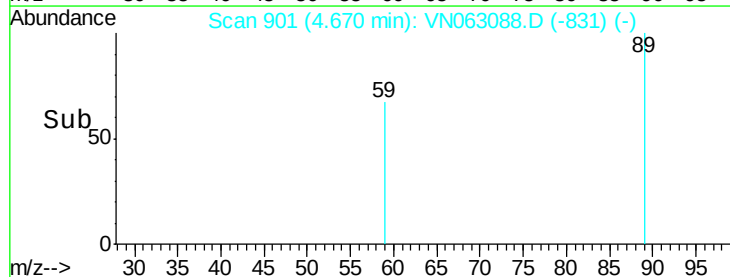
600

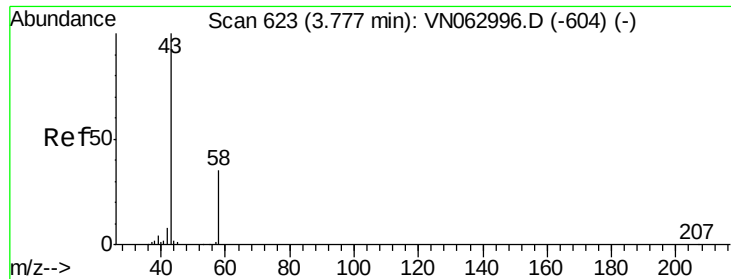
400

200

0

Time-->

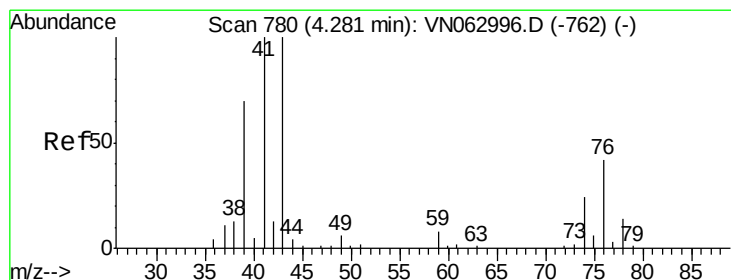
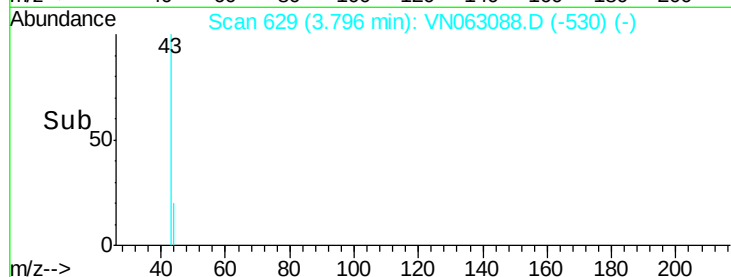
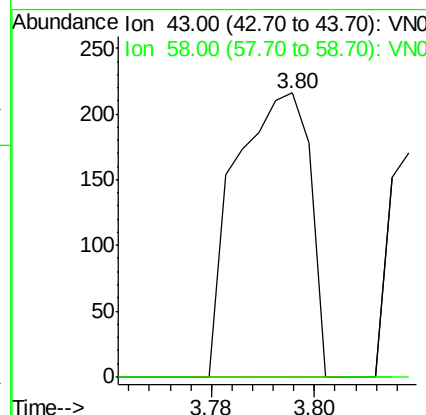
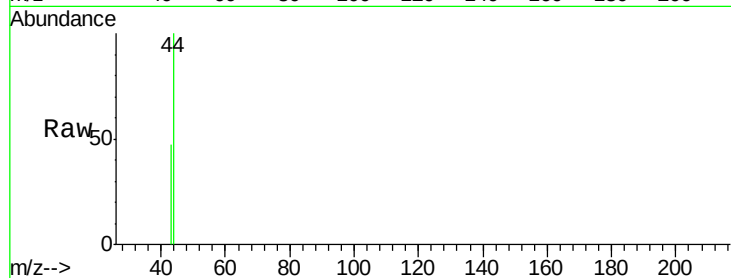




#16
Acetone
Concen: Below Cal
RT: 3.80 min Scan# 629
Delta R.T. 0.02 min
Lab File: VN063088.D
Acq: 24 Aug 2020 12:15

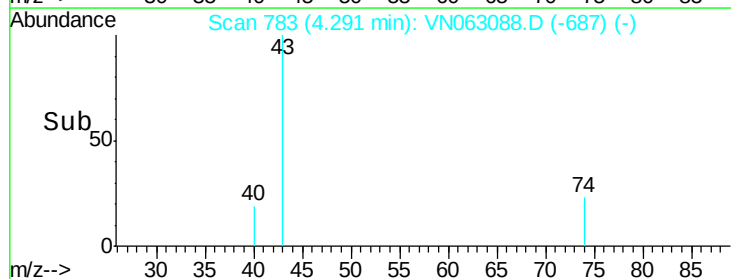
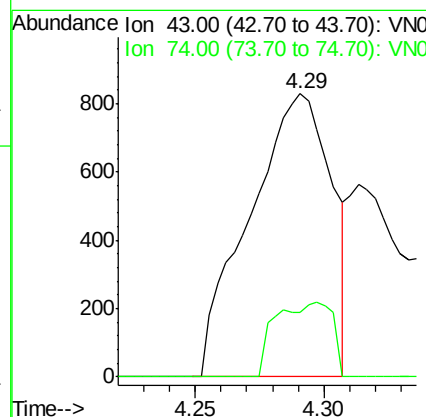
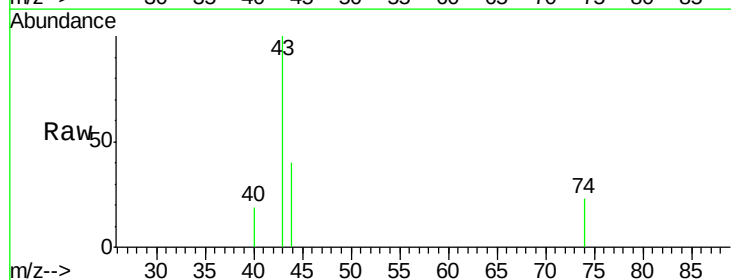
Instrument :
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ClientSampleId :
VN0824MBL01

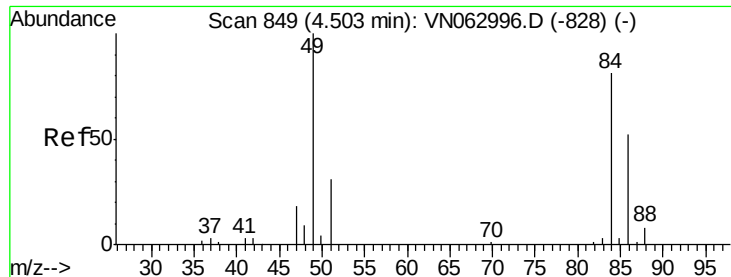
Tgt Ion: 43 Resp: 215
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.6#



#18
Methyl Acetate
Concen: 1.120 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.01 min
Lab File: VN063088.D
Acq: 24 Aug 2020 12:15

Tgt Ion: 43 Resp: 1831
Ion Ratio Lower Upper
43 100
74 18.3 18.6 28.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.49 min Scan# 844

Delta R.T. -0.02 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01

Tgt Ion: 84 Resp: 289

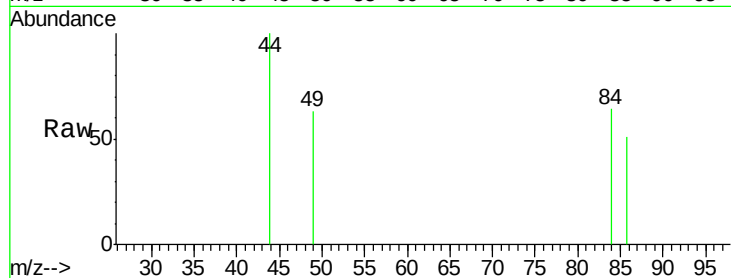
Ion Ratio Lower Upper

84 100

49 11.6 98.7 148.1#

51 0.0 30.8 46.2#

86 80.3 51.2 76.8#

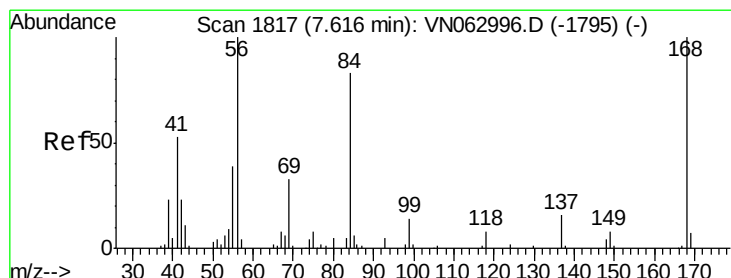
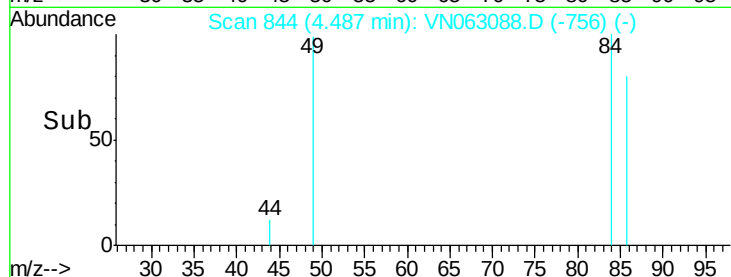
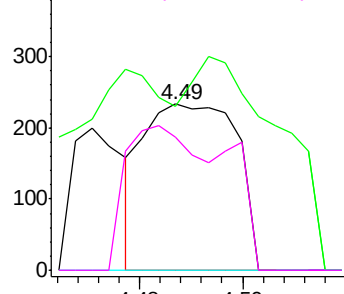


Abundance Ion 83.90 (83.60 to 84.60): VN0

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



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

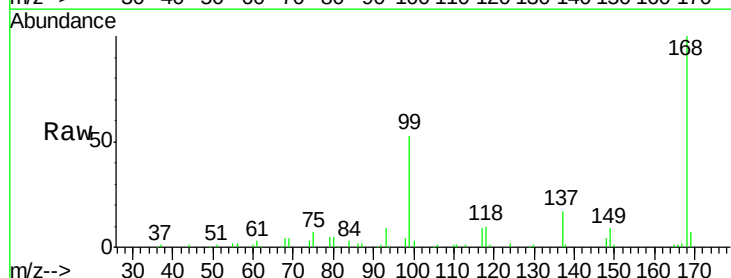
Tgt Ion: 56 Resp: 2683

Ion Ratio Lower Upper

56 100

69 160.9 26.6 40.0#

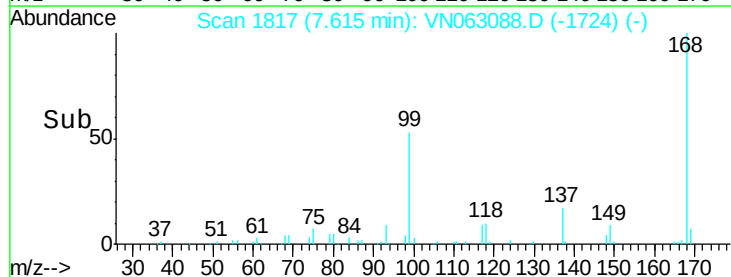
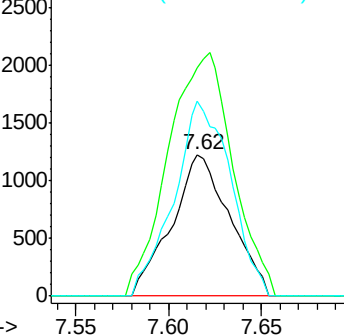
84 137.3 66.4 99.6#

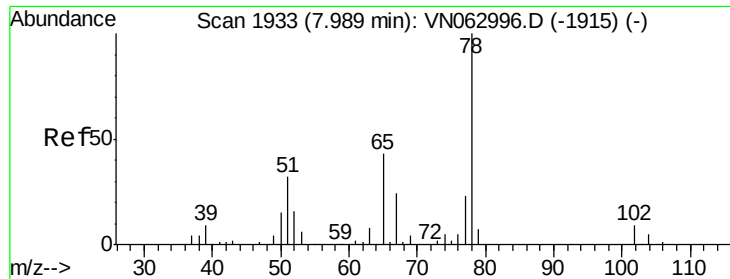


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

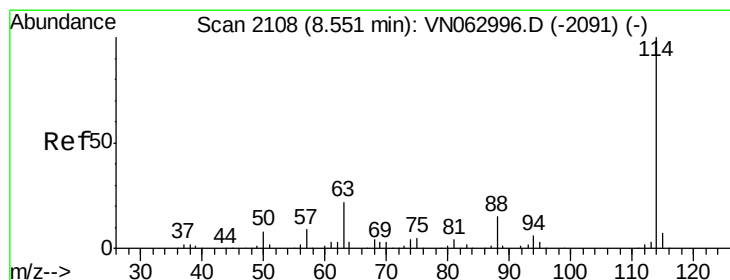
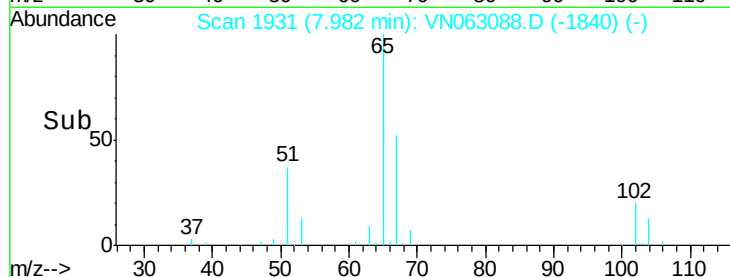
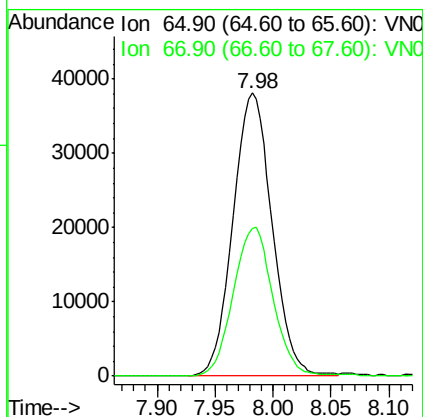
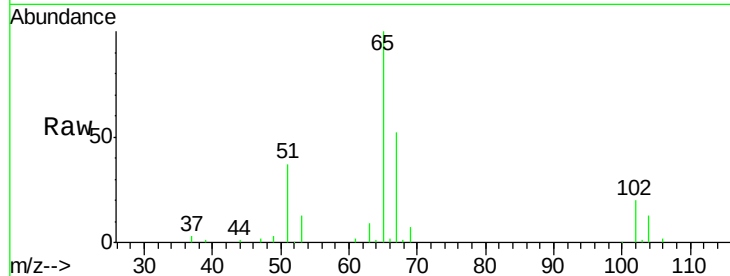




#33
 1,2-Dichloroethane-d4
 Concen: 54.221 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.01 min
 Lab File: VN063088.D
 Acq: 24 Aug 2020 12:15

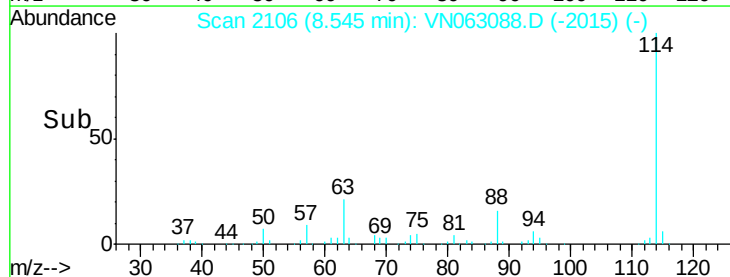
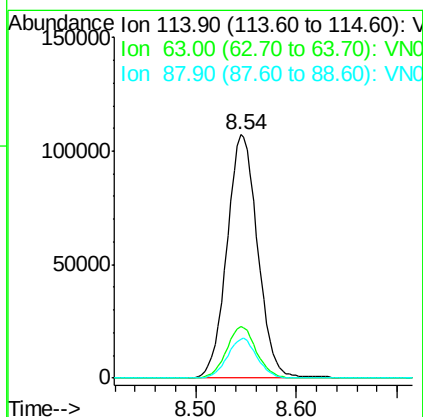
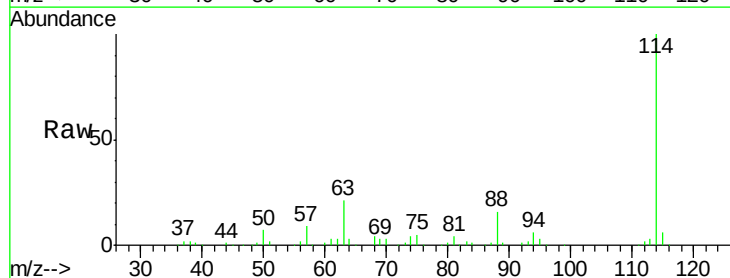
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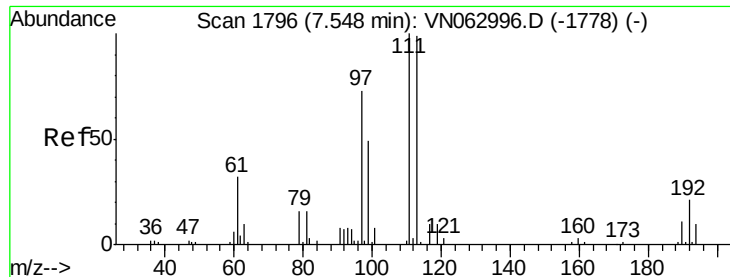
Tgt Ion: 65 Resp: 89204
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.54 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: VN063088.D
 Acq: 24 Aug 2020 12:15

Tgt Ion: 114 Resp: 227341
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 16.0 0.0 30.6

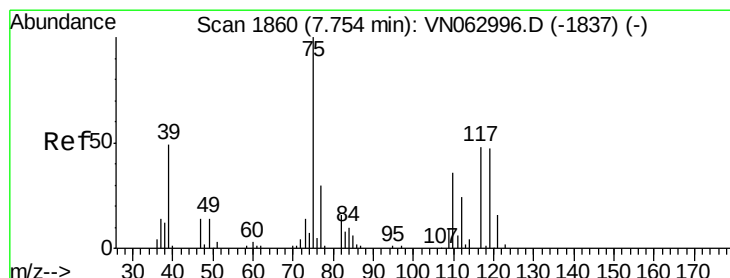
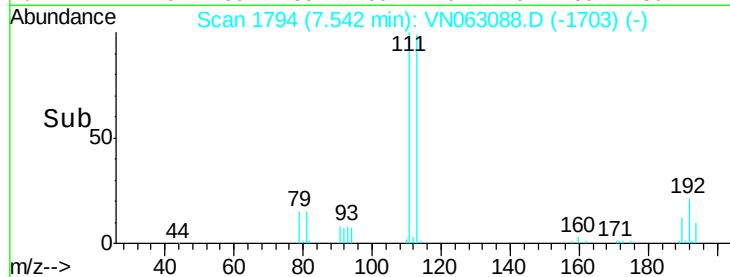
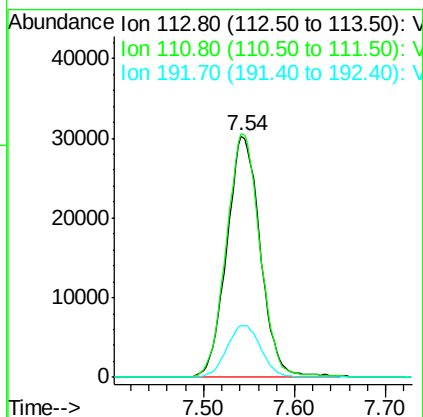
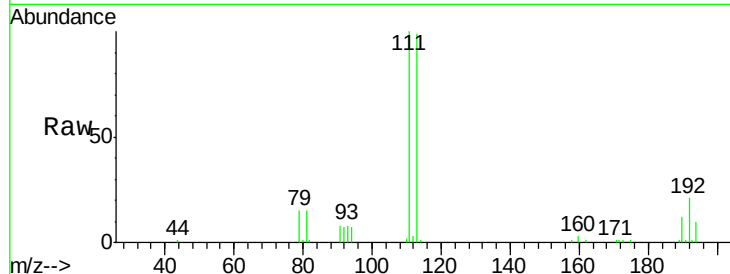




#35
 Dibromofluoromethane
 Concen: 52.293 ug/l
 RT: 7.54 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VN063088.D
 Acq: 24 Aug 2020 12:15

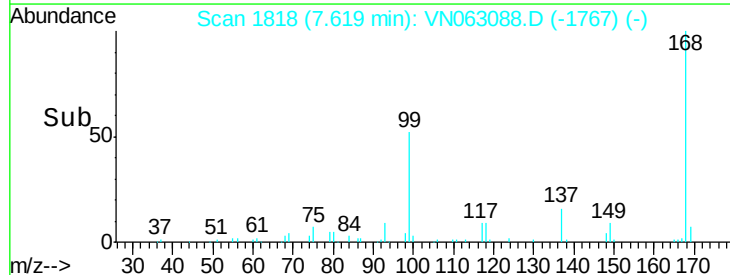
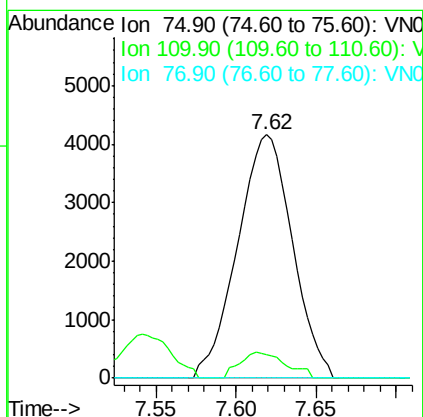
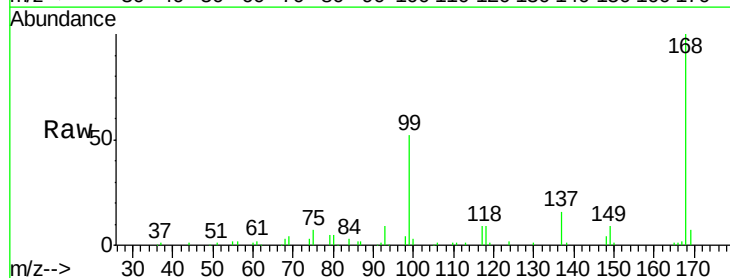
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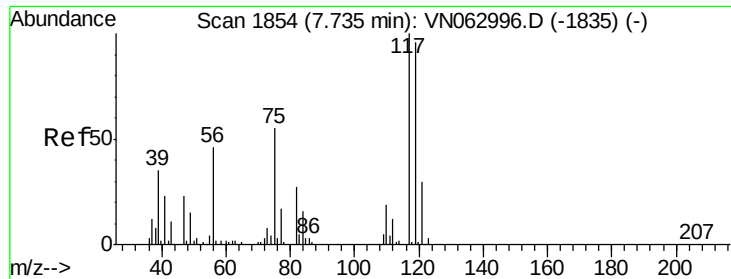
Tgt Ion:113 Resp: 77464
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.7 122.5
 192 21.7 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.879 ug/l
 RT: 7.62 min Scan# 1818
 Delta R.T. -0.14 min
 Lab File: VN063088.D
 Acq: 24 Aug 2020 12:15

Tgt Ion: 75 Resp: 9774
 Ion Ratio Lower Upper
 75 100
 110 8.8 17.5 52.6#
 77 0.0 24.2 36.4#

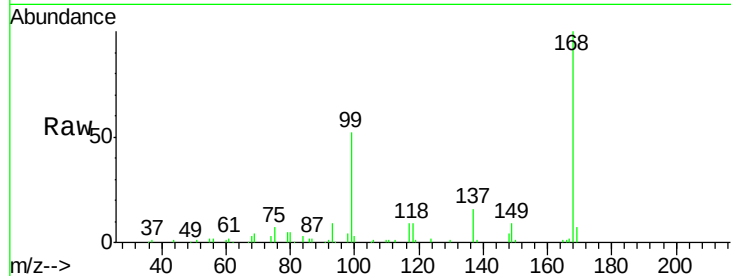




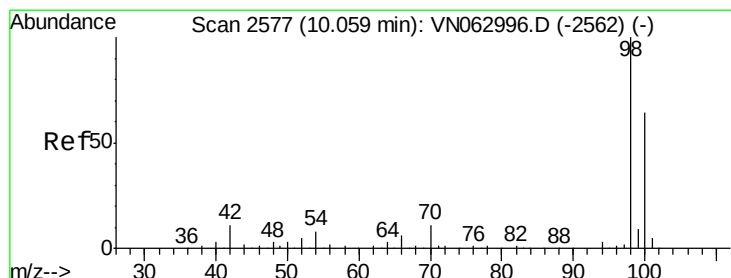
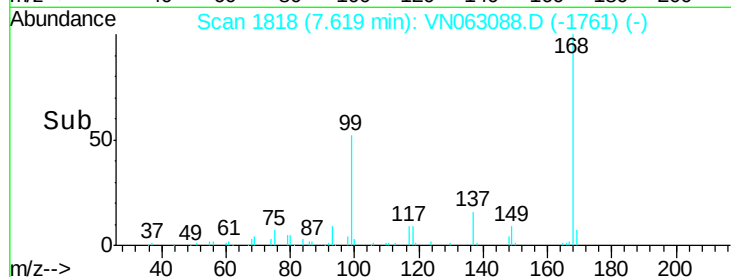
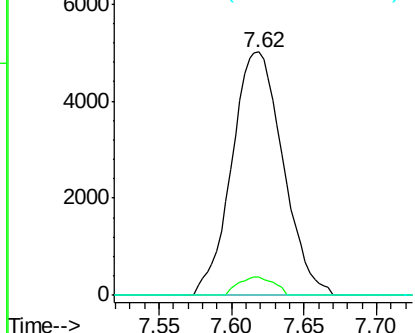
#38
Carbon Tetrachloride
Concen: 6.065 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. -0.12 min
Lab File: VN063088.D
Acq: 24 Aug 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

Tgt Ion:117 Resp: 12268
Ion Ratio Lower Upper
117 100
119 7.4 76.2 114.4#
121 0.0 24.2 36.2#

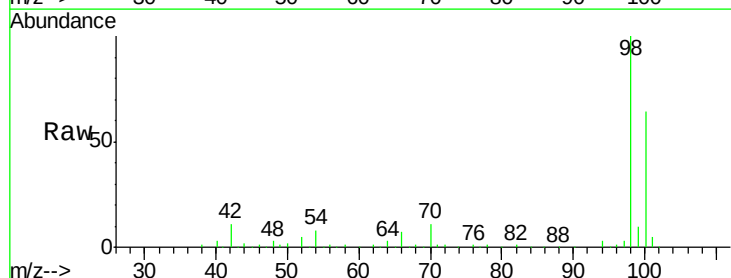


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

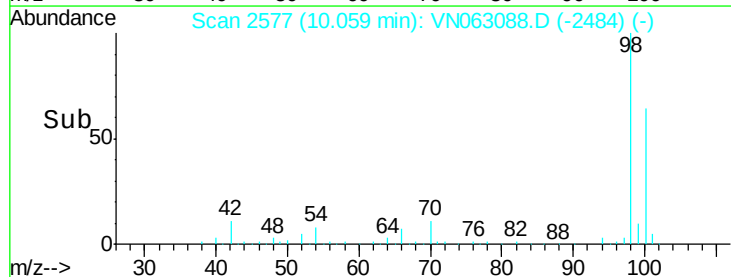
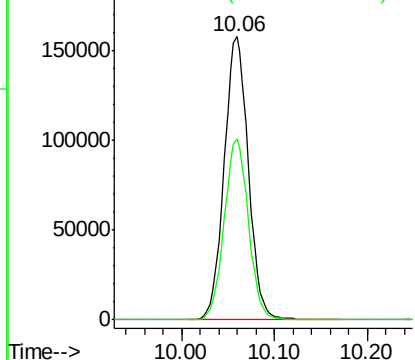


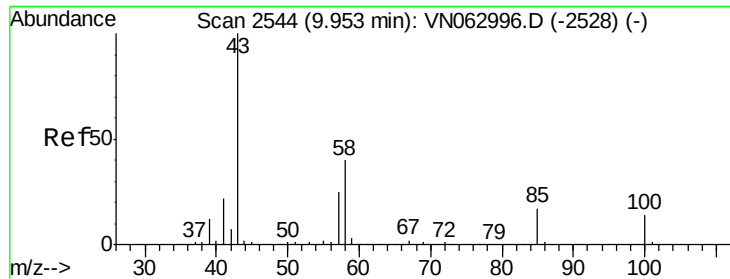
#50
Toluene-d8
Concen: 50.221 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN063088.D
Acq: 24 Aug 2020 12:15

Tgt Ion: 98 Resp: 285752
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

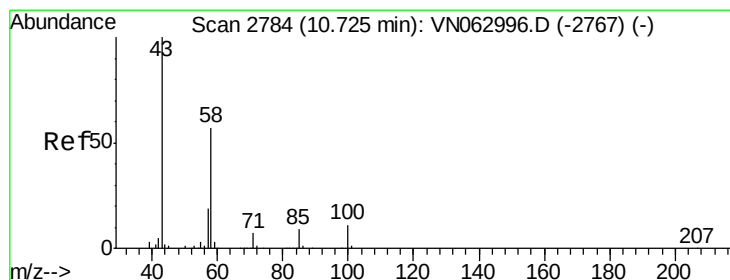
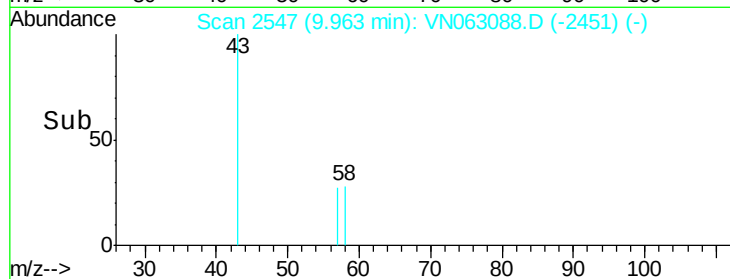
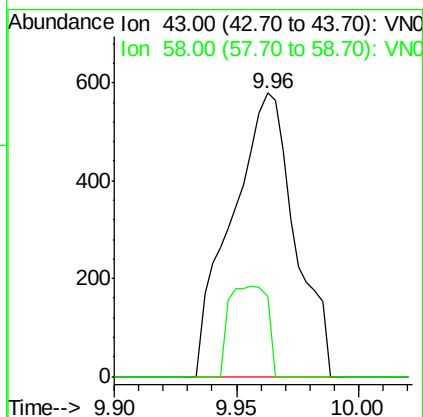
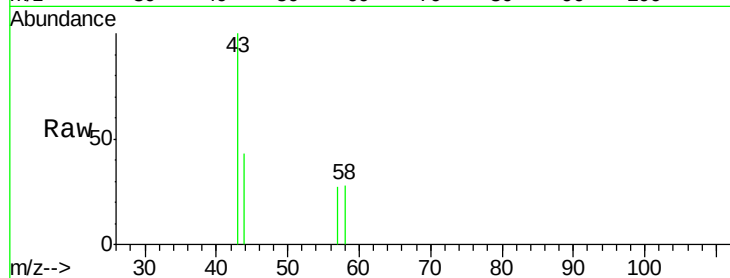




#51
 4-Methyl-2-Pentanone
 Concen: 0.528 ug/l
 RT: 9.96 min Scan# 2547
 Delta R.T. 0.01 min
 Lab File: VN063088.D
 Acq: 24 Aug 2020 12:15

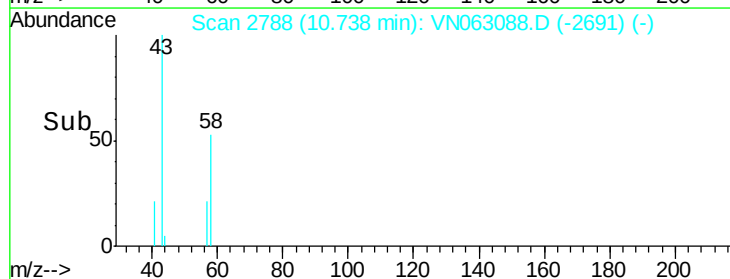
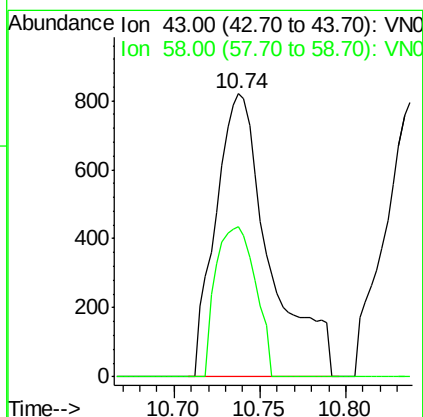
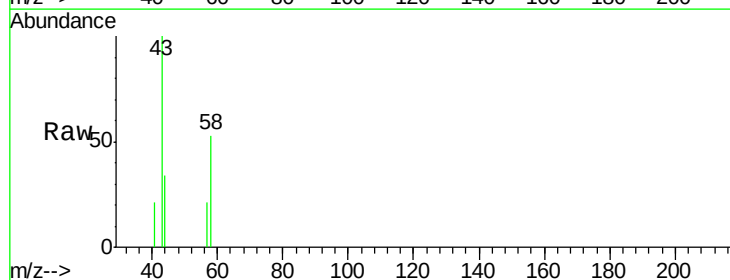
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 VN0824MBL01

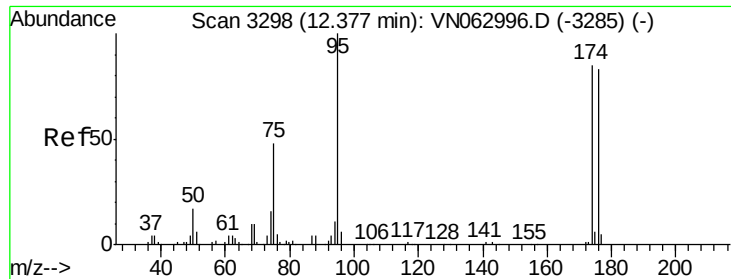
Tgt Ion: 43 Resp: 1038
 Ion Ratio Lower Upper
 43 100
 58 19.5 32.2 48.2#



#59
 2-Hexanone
 Concen: 1.309 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.01 min
 Lab File: VN063088.D
 Acq: 24 Aug 2020 12:15

Tgt Ion: 43 Resp: 1795
 Ion Ratio Lower Upper
 43 100
 58 39.0 28.1 84.3

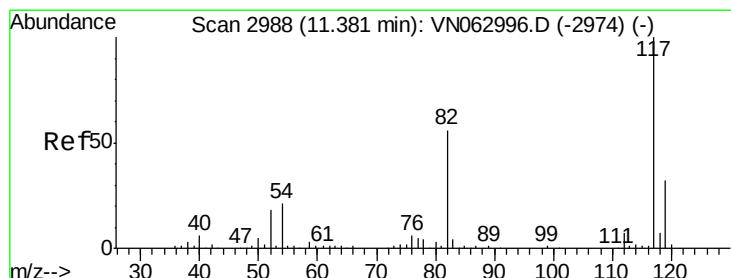
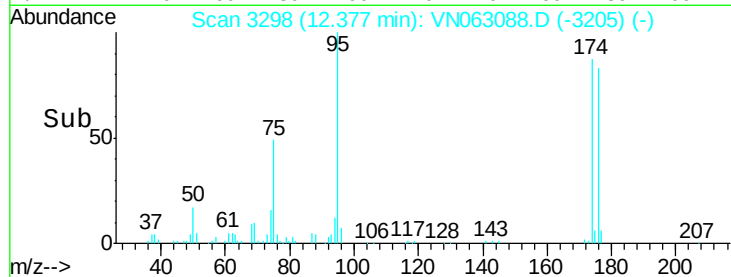
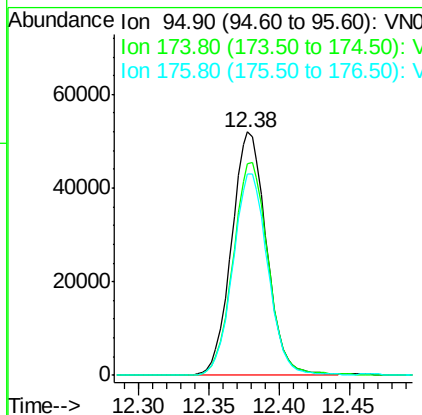
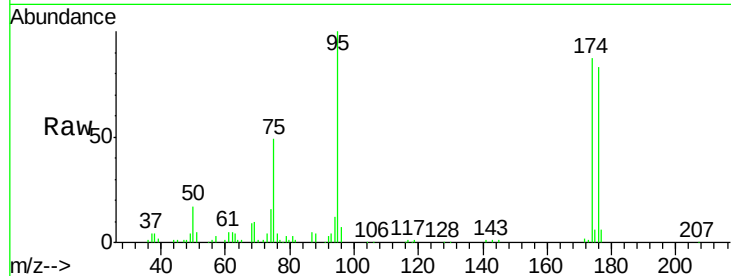




#62
4-Bromofluorobenzene
Concen: 44.850 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063088.D
Acq: 24 Aug 2020 12:15

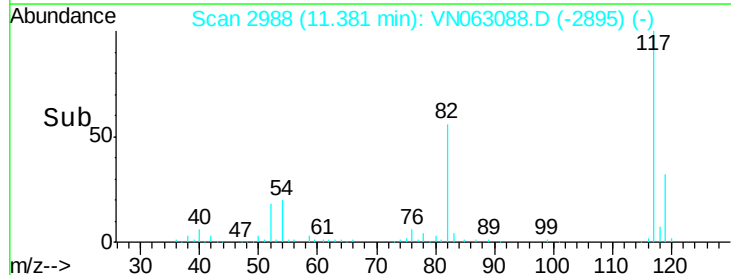
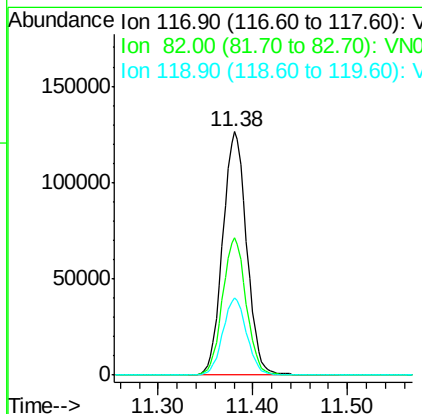
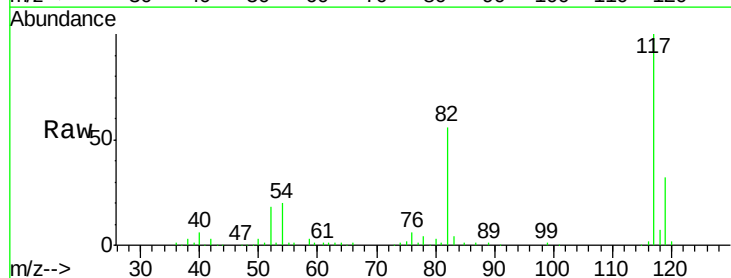
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBL01

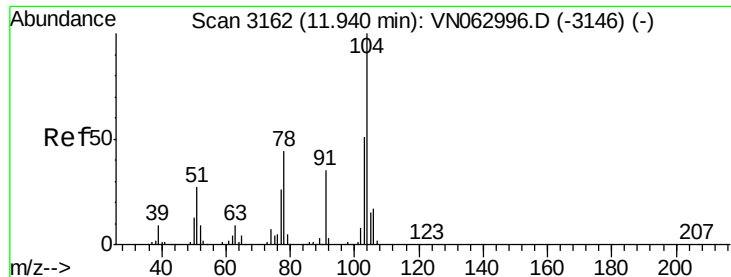
Tgt Ion: 95 Resp: 90054
Ion Ratio Lower Upper
95 100
174 88.2 0.0 170.8
176 83.1 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063088.D
Acq: 24 Aug 2020 12:15

Tgt Ion: 117 Resp: 222462
Ion Ratio Lower Upper
117 100
82 56.2 44.5 66.7
119 31.8 25.5 38.3





#70

Styrene

Concen: 1.935 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

Instrument :

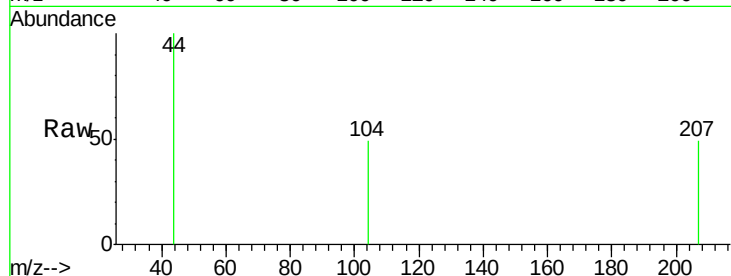
MSVOA_N

ClientSampleId :

VN0824MBL01

Tgt Ion:104 Resp: 61

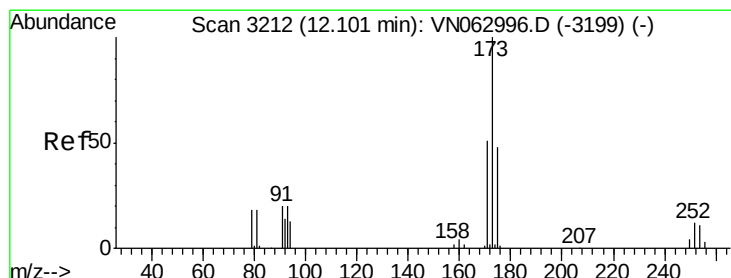
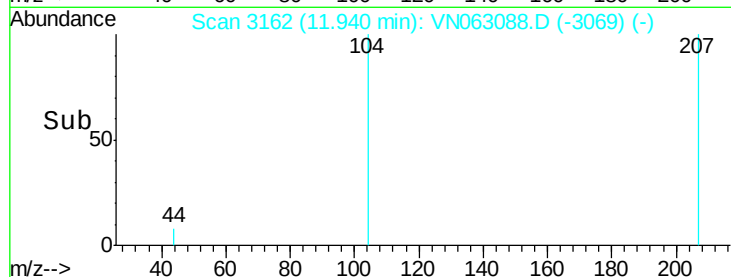
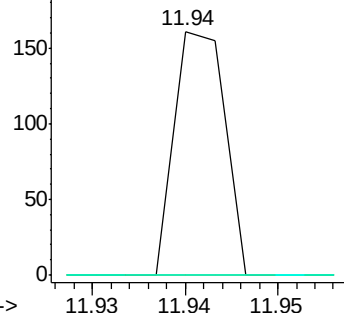
Ion	Ratio	Lower	Upper
104	100		
78	0.0	39.0	58.6#
103	0.0	44.3	66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.492 ug/l

RT: 12.38 min Scan# 3298

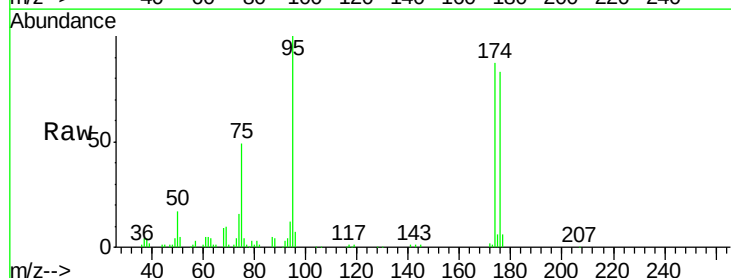
Delta R.T. 0.28 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

Tgt Ion:173 Resp: 681

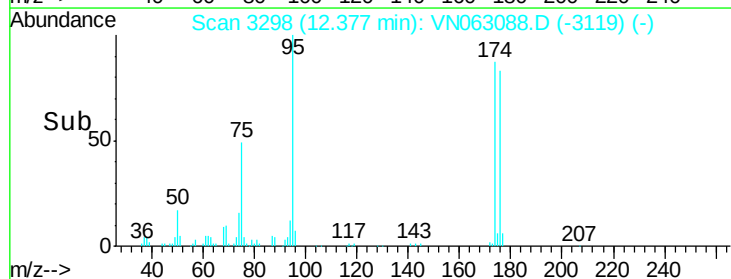
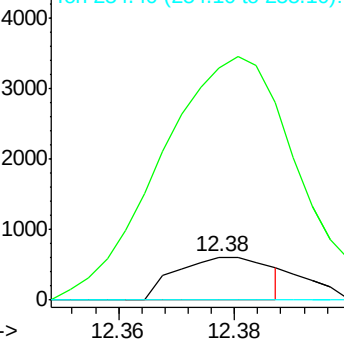
Ion	Ratio	Lower	Upper
173	100		
175	684.6	24.3	72.8#
254	0.0	0.0	0.0

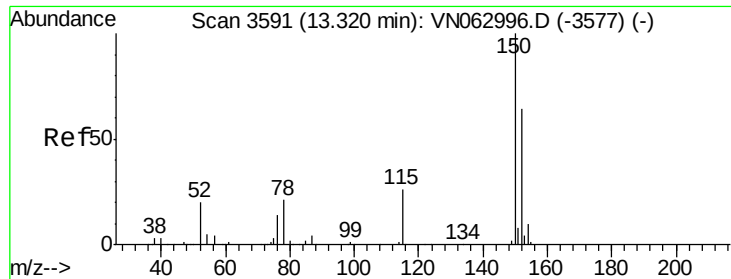


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN063088.D

Acq: 24 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01

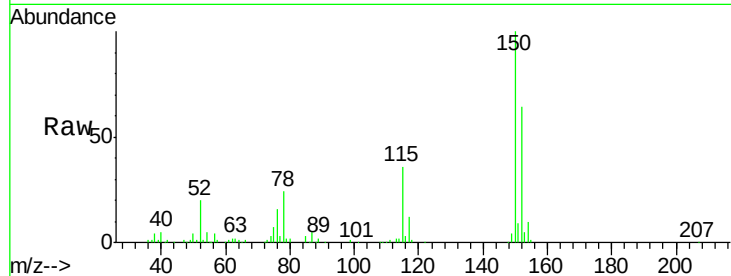
Tgt Ion:152 Resp: 82070

Ion Ratio Lower Upper

152 100

115 57.0 28.7 86.3

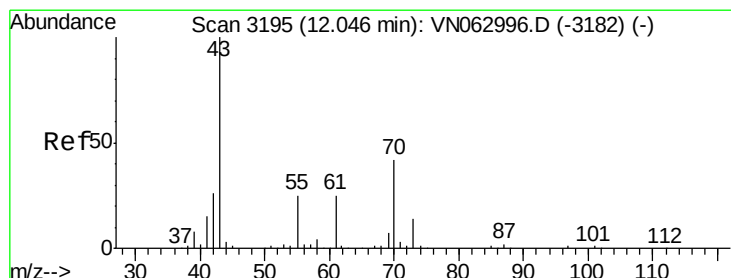
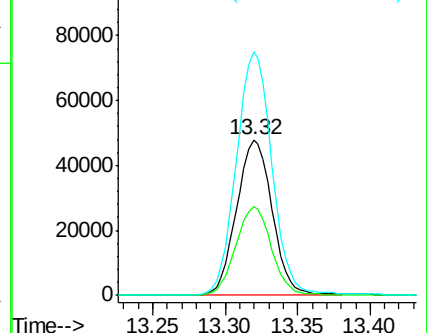
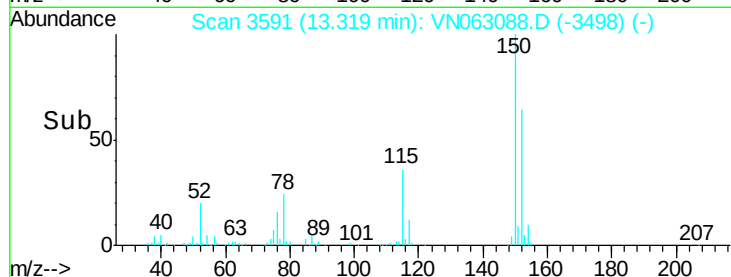
150 157.0 0.0 348.8



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



#74

N-ethyl acetate

Concen: 0.498 ug/l

RT: 12.05 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

Tgt Ion: 43 Resp: 1002

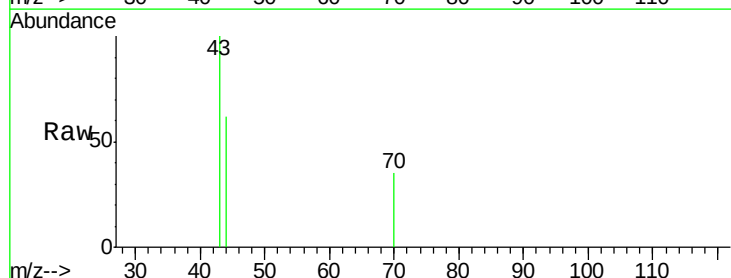
Ion Ratio Lower Upper

43 100

70 16.7 33.4 50.0#

55 0.0 20.2 30.2#

61 0.0 19.9 29.9#

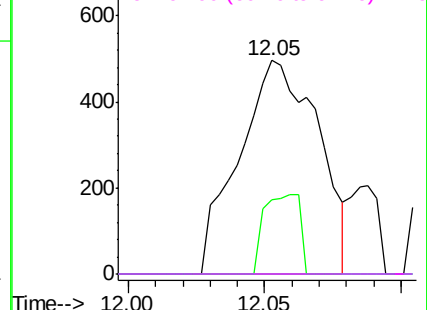
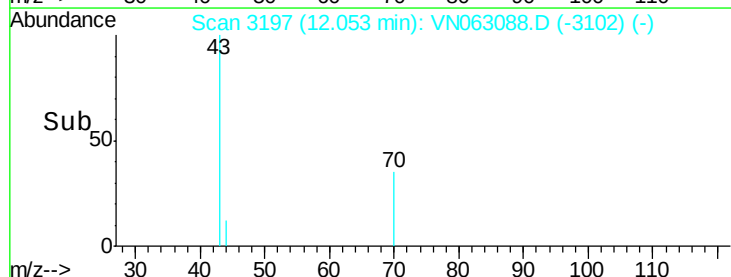


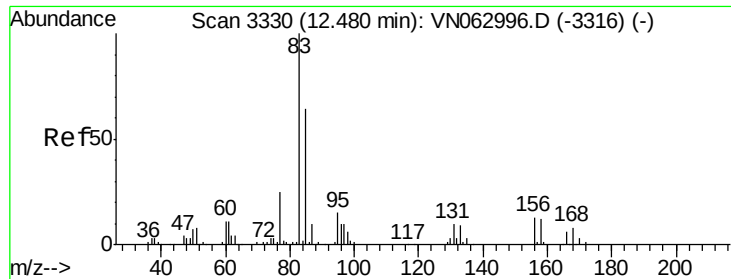
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3332

Delta R.T. 0.01 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VN0824MBL01

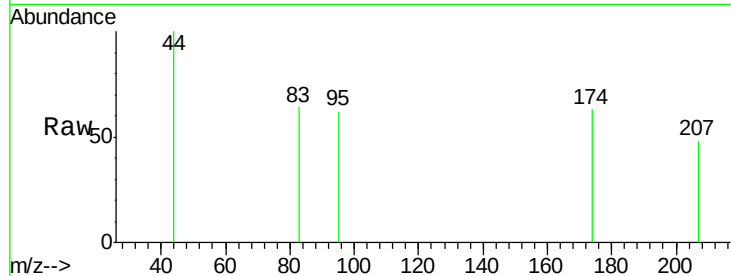
Tgt Ion: 83 Resp: 212

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

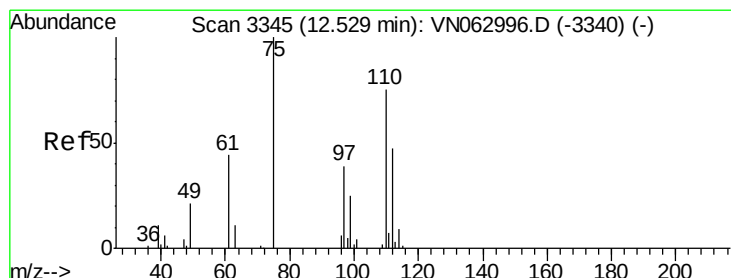
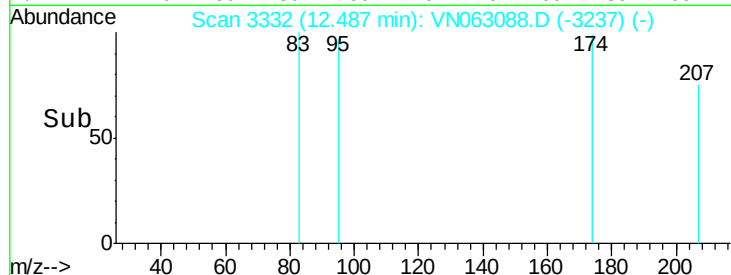
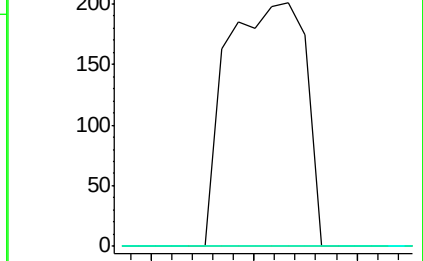
85 0.0 31.9 95.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.474 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063088.D

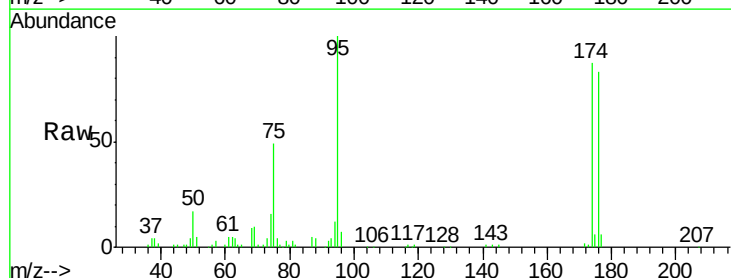
Acq: 24 Aug 2020 12:15

Tgt Ion: 75 Resp: 43828

Ion Ratio Lower Upper

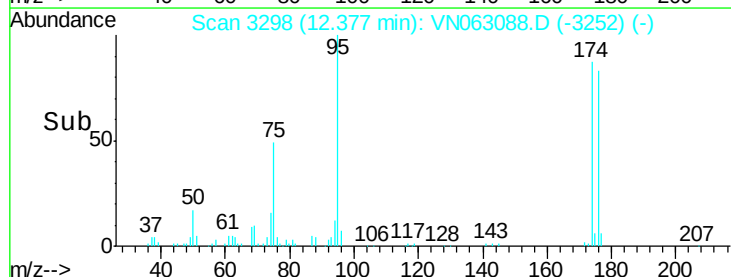
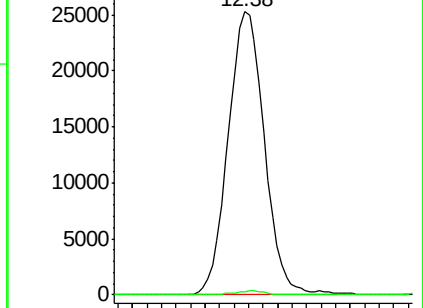
75 100

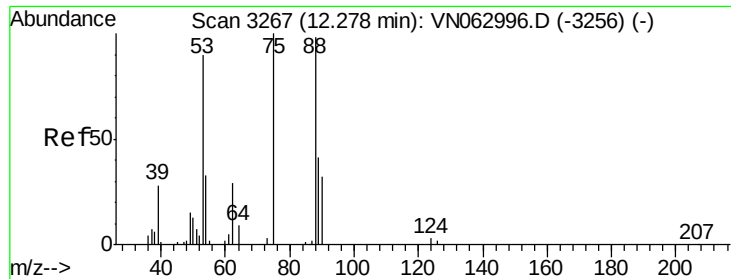
77 1.1 0.0 0.0#



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: 75.456 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01

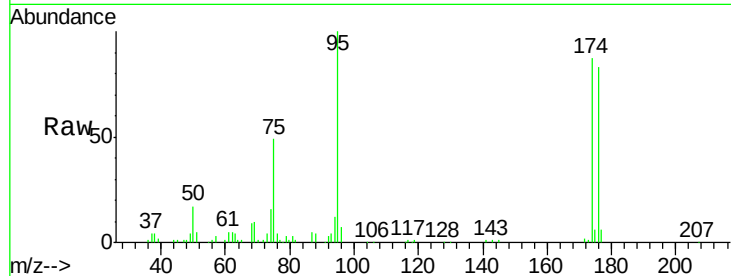
Tgt Ion: 75 Resp: 43828

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

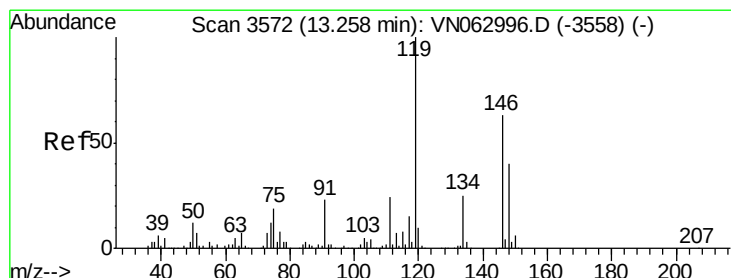
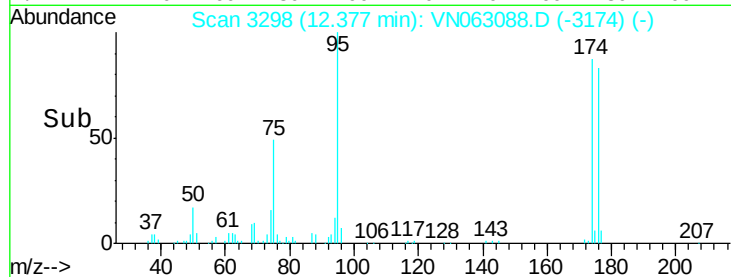
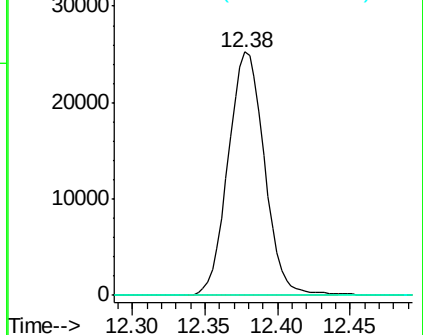
89 0.0 34.2 51.4#



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



#87

1,3-Dichlorobenzene

Concen: 0.221 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.01 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

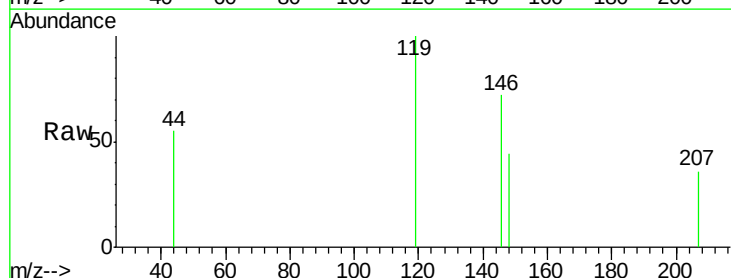
Tgt Ion: 146 Resp: 587

Ion Ratio Lower Upper

146 100

111 0.0 19.4 58.1#

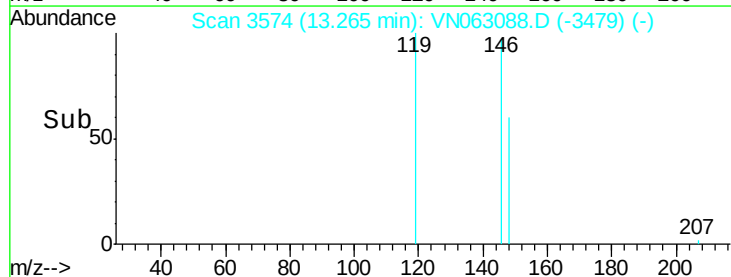
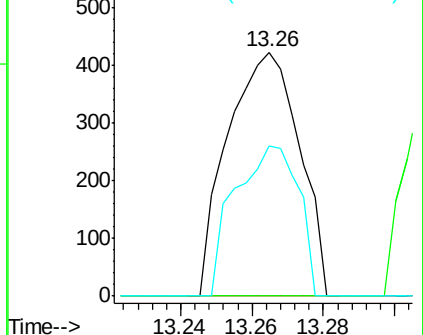
148 54.7 32.0 96.0

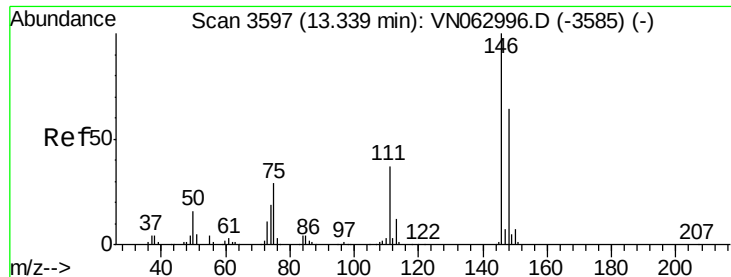


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.302 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01

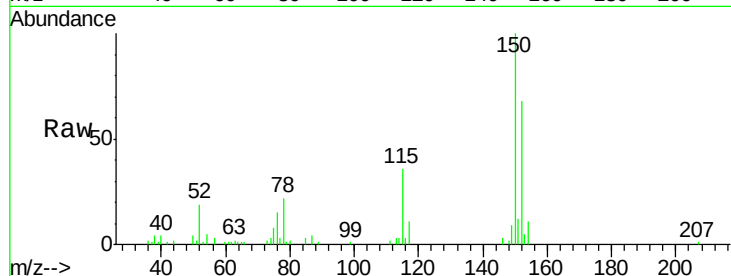
Tgt Ion:146 Resp: 813

Ion Ratio Lower Upper

146 100

111 153.6 18.8 56.4#

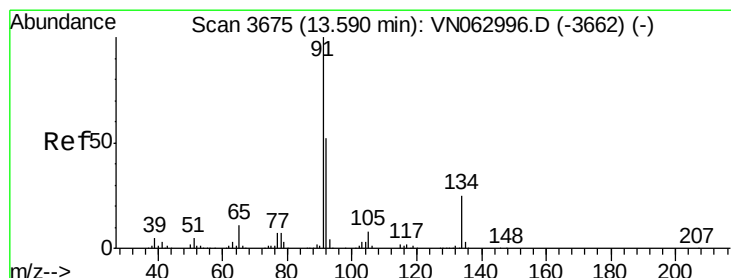
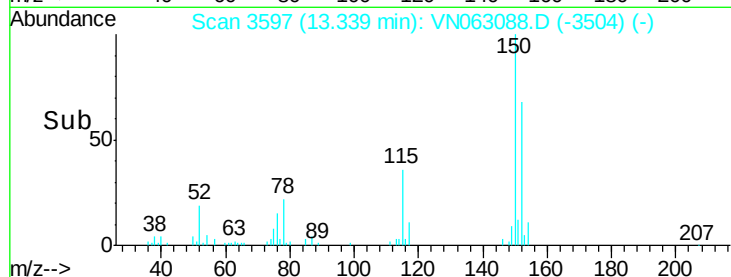
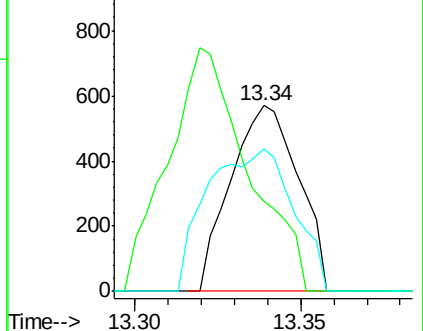
148 97.3 32.4 97.0#



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 3.207 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

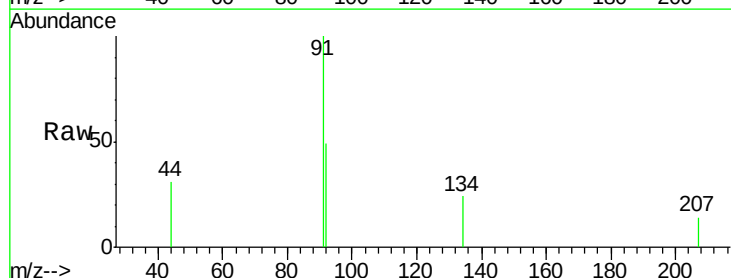
Tgt Ion: 91 Resp: 2069

Ion Ratio Lower Upper

91 100

92 45.2 25.9 77.6

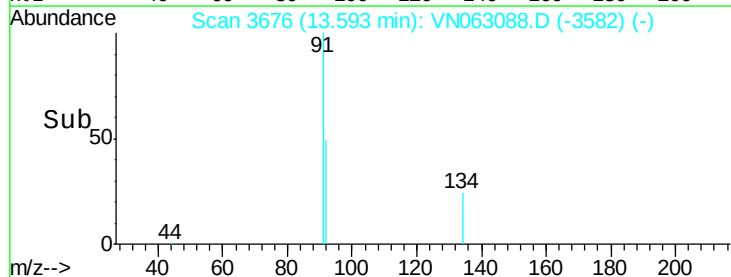
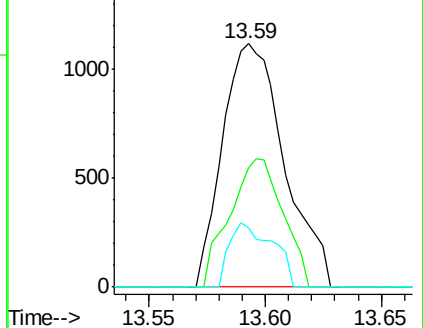
134 18.3 12.4 37.0

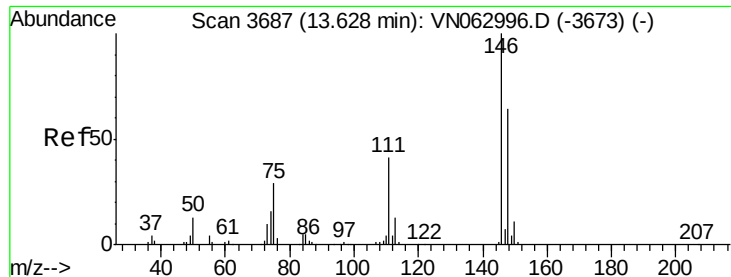


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

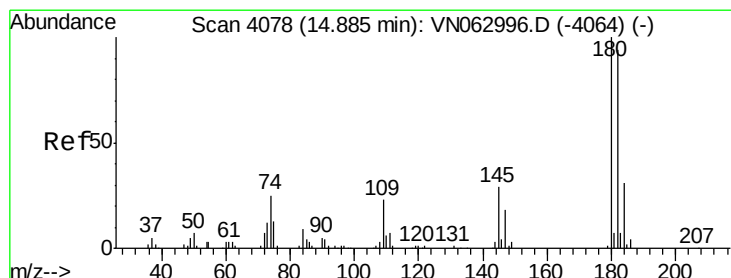
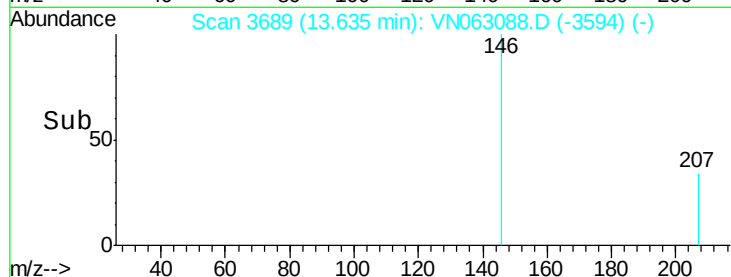
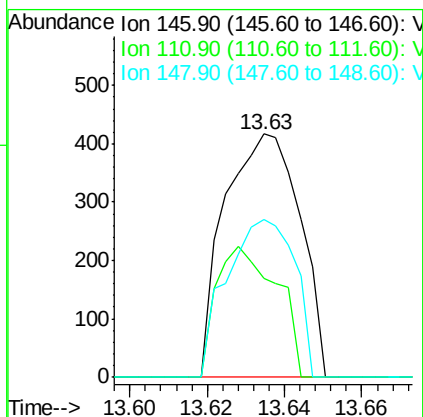
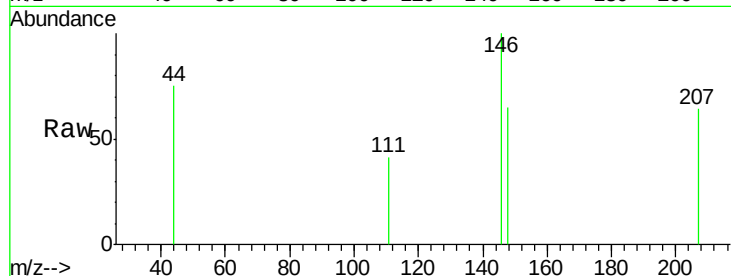




#91
 1,2-Dichlorobenzene
 Concen: 0.219 ug/l
 RT: 13.63 min Scan# 3689
 Delta R.T. 0.01 min
 Lab File: VN063088.D
 Acq: 24 Aug 2020 12:15

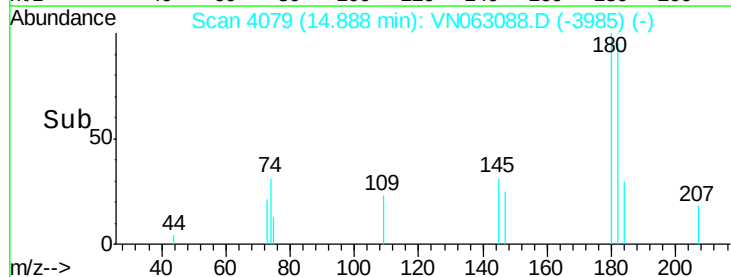
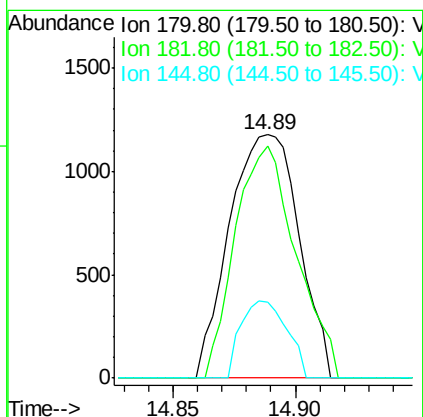
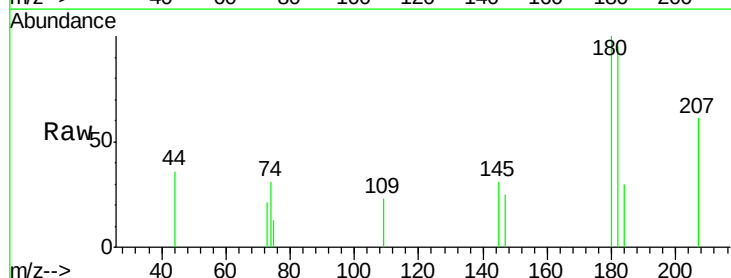
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBL01

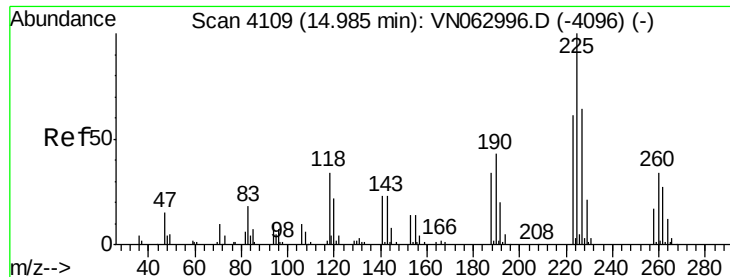
Tgt Ion:146 Resp: 562
 Ion Ratio Lower Upper
 146 100
 111 43.1 20.2 60.5
 148 58.7 31.9 95.5



#93
 1,2,4-Trichlorobenzene
 Concen: 6.033 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.00 min
 Lab File: VN063088.D
 Acq: 24 Aug 2020 12:15

Tgt Ion:180 Resp: 2328
 Ion Ratio Lower Upper
 180 100
 182 83.6 47.0 141.2
 145 21.0 14.1 42.4





#94

Hexachlorobutadiene

Concen: 0.335 ug/l

RT: 14.99 min Scan# 4110

Delta R.T. 0.00 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBL01

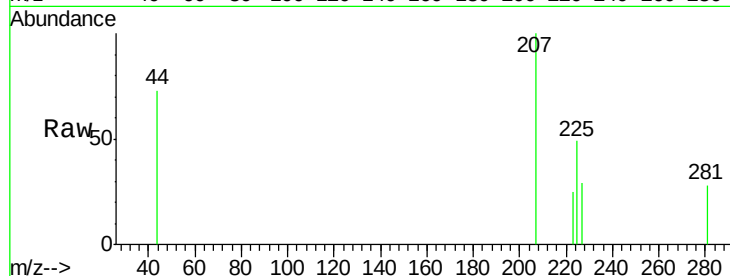
Tgt Ion: 225 Resp: 318

Ion Ratio Lower Upper

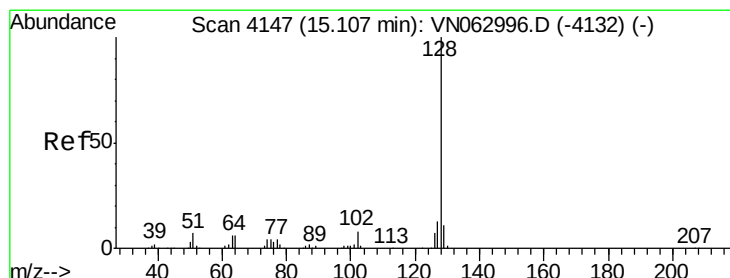
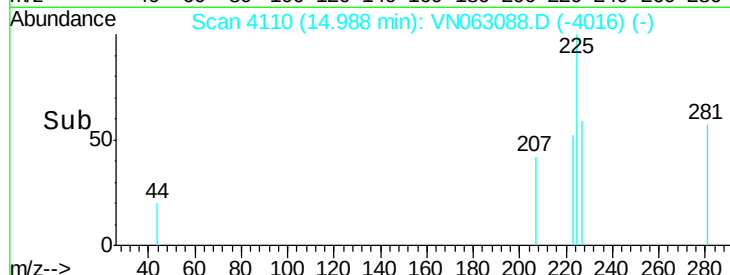
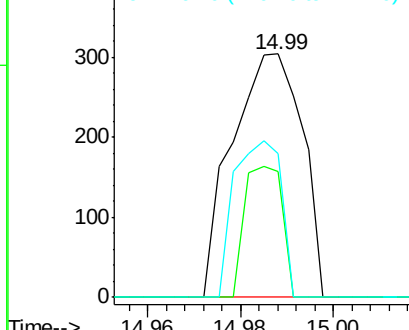
225 100

223 28.9 30.9 92.5#

227 43.1 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 7.831 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN063088.D

Acq: 24 Aug 2020 12:15

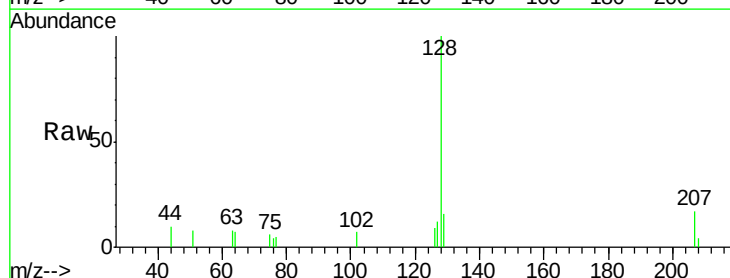
Tgt Ion: 128 Resp: 8077

Ion Ratio Lower Upper

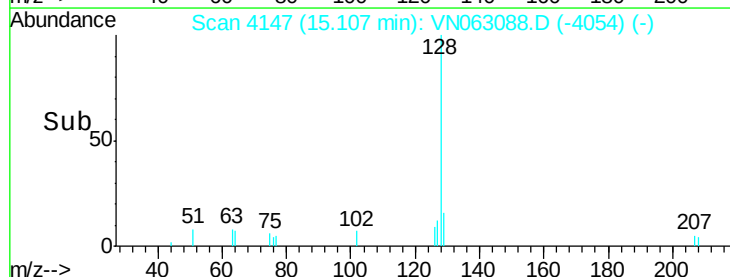
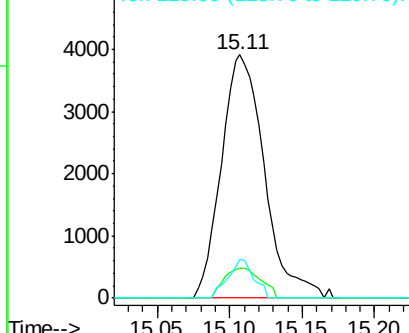
128 100

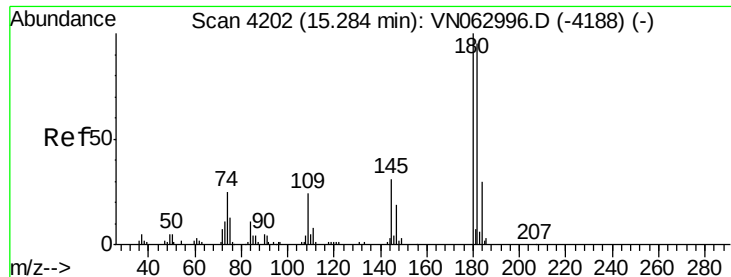
127 10.4 10.6 16.0#

129 9.4 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





#96
 1,2,3-Trichlorobenzene
 Concen: 5.706 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN063088.D
 Acq: 24 Aug 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBL01

Tgt Ion:	180	Resp:	2635
Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	141.9
145	30.4	15.6	46.7

