

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081020\
 Data File : VN062817.D
 Acq On : 10 Aug 2020 19:01
 Operator : JC/MD
 Sample : PB130827TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130827TB

Quant Time: Aug 11 06:57:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	136425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	232709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	91358	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	107164	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
35) Dibromofluoromethane	7.55	113	78139	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	
50) Toluene-d8	10.06	98	307197	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
62) 4-Bromofluorobenzene	12.38	95	118641	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.52	94	373	0.326	ug/l	86
8) Diethyl Ether	3.37	74	738	0.836	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	3.70	101	30	Below Cal	#	17
12) 1,1-Dichloroethene	3.70	96	29	Below Cal	#	49
16) Acetone	3.78	43	10893	13.362	ug/l	96
17) Carbon Disulfide	4.00	76	2572	Below Cal	#	74
18) Methyl Acetate	4.29	43	3470	0.686	ug/l #	81
20) Methylene Chloride	4.50	84	14381	9.017	ug/l	93
25) 2-Butanone	6.80	43	3458	2.995	ug/l	98
29) Tetrahydrofuran	7.18	42	1089	1.452	ug/l #	43
31) Cyclohexane	7.62	56	3432	1.255	ug/l #	23
36) 1,1-Dichloropropene	7.75	75	582	0.257	ug/l #	44
38) Carbon Tetrachloride	7.63	117	14591	5.445	ug/l #	15
43) Isopropyl Acetate	8.13	43	46053	11.665	ug/l	98
45) 1,2-Dichloropropane	9.24	63	1116	0.610	ug/l #	45
48) Methyl methacrylate	9.15	41	2371	1.221	ug/l #	13
49) 1,4-Dioxane	9.17	88	61	1.695	ug/l #	1
51) 4-Methyl-2-Pentanone	9.96	43	9611	3.762	ug/l	87
54) cis-1,3-Dichloropropene	9.88	75	19851	6.675	ug/l #	59
57) 1,3-Dichloropropane	10.74	76	3501	1.156	ug/l #	43
59) 2-Hexanone	10.74	43	53666	28.164	ug/l #	55
64) Tetrachloroethene	10.61	164	405	0.260	ug/l #	54
68) m/p-Xylenes	11.60	106	982	0.299	ug/l #	55
70) Styrene	11.94	104	1098	0.203	ug/l #	89
73) Isopropylbenzene	12.22	105	1405	0.204	ug/l #	69
74) N-amyl acetate	12.00	43	698	0.250	ug/l #	44
76) 1,2,3-Trichloropropane	12.38	75	63339	25.708	ug/l #	100
77) Bromobenzene	12.50	156	478	0.280	ug/l	88
78) n-propylbenzene	12.57	91	2516	0.312	ug/l	82
79) 2-Chlorotoluene	12.65	91	1196	0.236	ug/l	87
80) 1,3,5-Trimethylbenzene	12.71	105	3810	0.638	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.38	75	63339	78.478	ug/l #	10
82) 4-Chlorotoluene	12.76	91	1965	0.377	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	1837	0.322	ug/l	82

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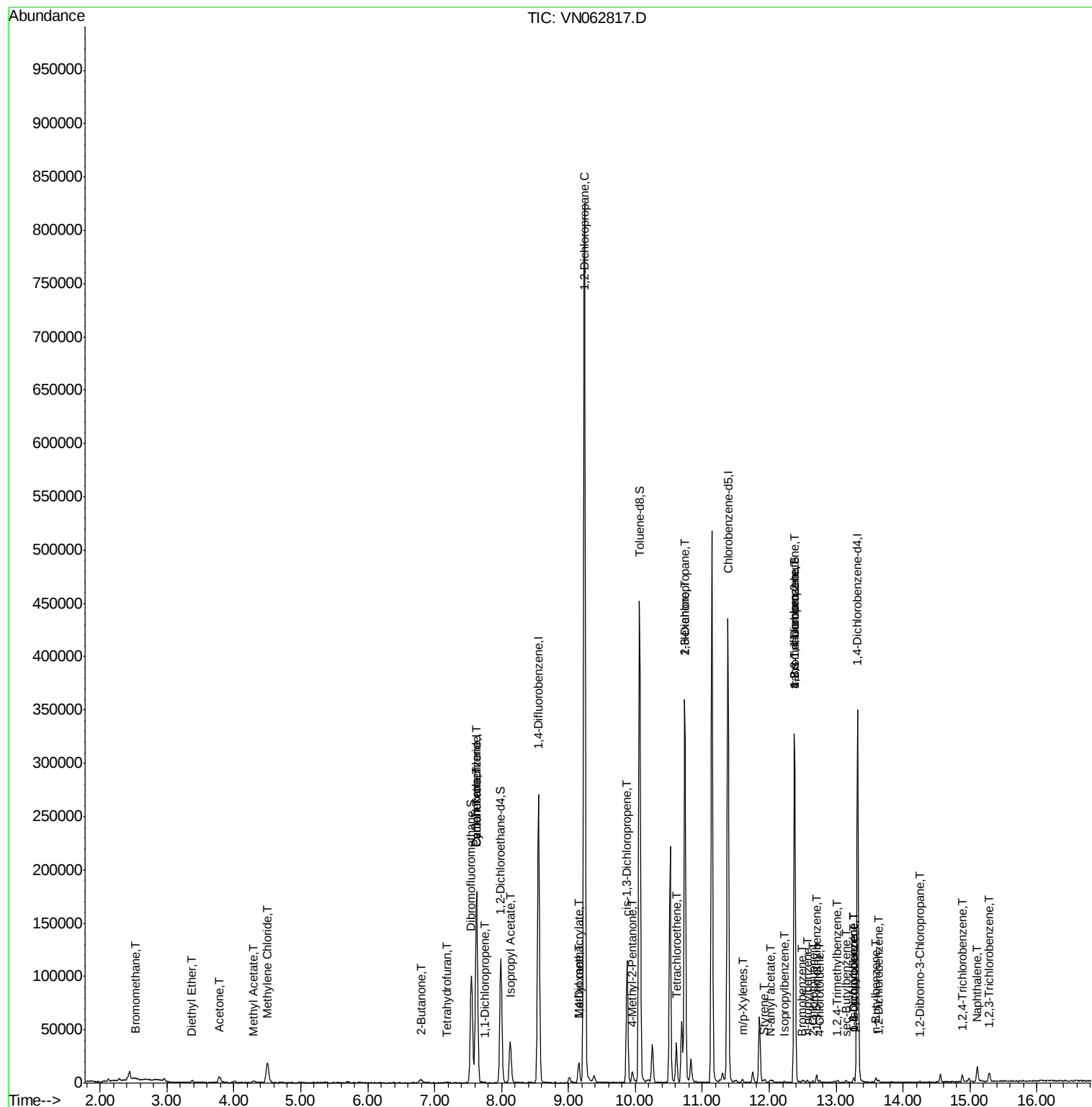
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.15	105	1803	0.272	ug/l	96
86) p-Isopropyltoluene	13.27	119	1785	0.303	ug/l	91
87) 1,3-Dichlorobenzene	13.26	146	1474	0.483	ug/l	87
88) 1,4-Dichlorobenzene	13.26	146	1474	0.481	ug/l	89
89) n-Butylbenzene	13.59	91	3441	0.691	ug/l	90
91) 1,2-Dichlorobenzene	13.63	146	1156	0.404	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.25	75	189	0.364	ug/l #	74
93) 1,2,4-Trichlorobenzene	14.89	180	2457	4.814	ug/l	96
94) Hexachlorobutadiene	14.99	225	725	Below Cal		85
95) Naphthalene	15.11	128	13394	6.661	ug/l	97
96) 1,2,3-Trichlorobenzene	15.29	180	3345	4.827	ug/l	99

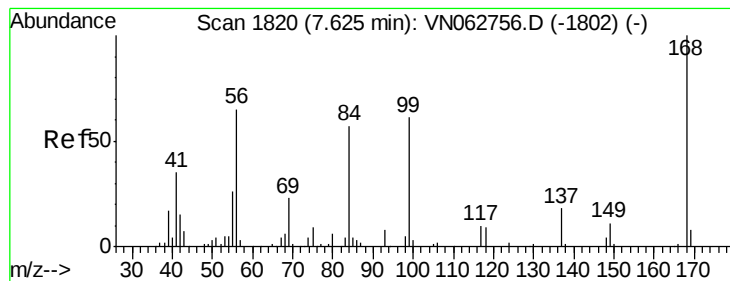
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

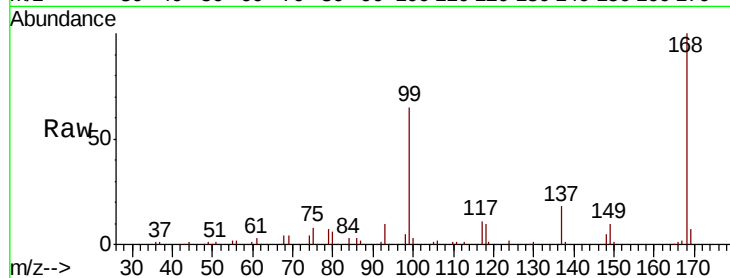
PB130827TB

Tot Ion:168 Resp: 136425

Ion Ratio Lower Upper

168 100

99 64.7 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): VN062756.D (-1802) (-)

Ion 98.90 (98.60 to 99.60): VN062756.D (-1802) (-)

7.63

60000

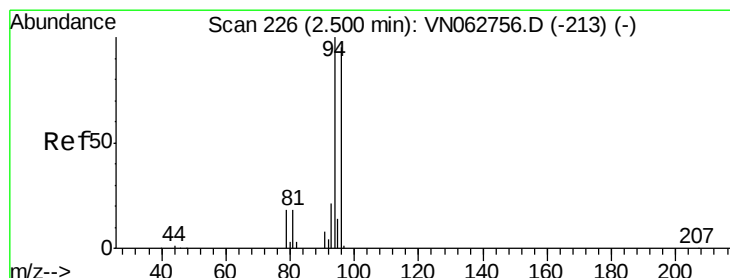
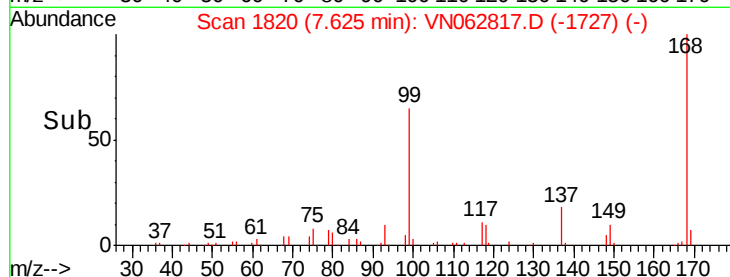
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#5

Bromomethane

Concen: 0.326 ug/l

RT: 2.52 min Scan# 232

Delta R.T. 0.02 min

Lab File: VN062817.D

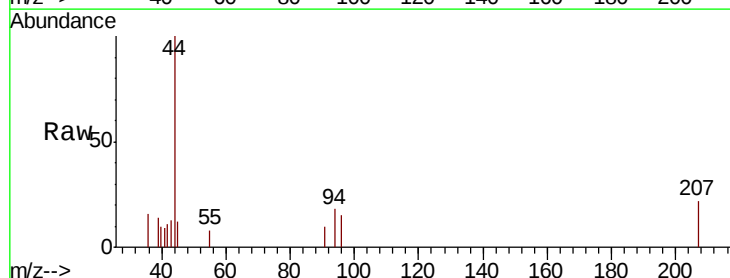
Acq: 10 Aug 2020 19:01

Tgt Ion: 94 Resp: 373

Ion Ratio Lower Upper

94 100

96 81.7 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN062756.D (-213) (-)

Ion 95.90 (95.60 to 96.60): VN062756.D (-213) (-)

2.52

300

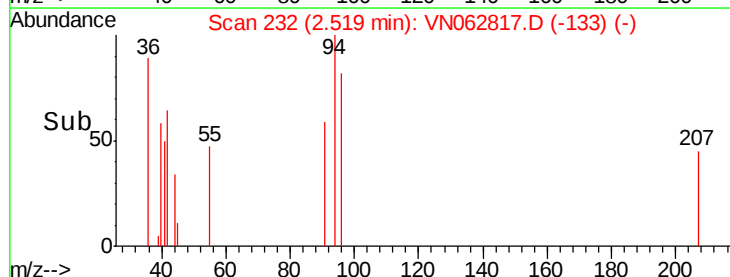
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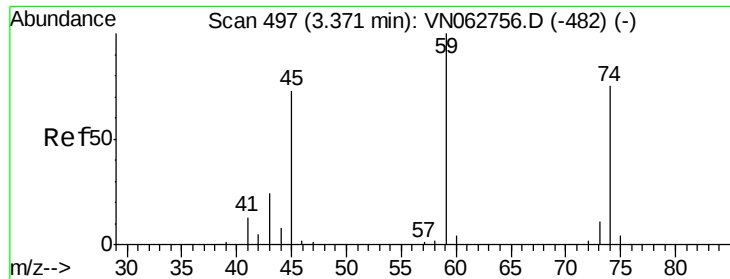
100

0

2.48 2.50 2.52 2.54

Time-->





#8

Diethyl Ether

Concen: 0.836 ug/l

RT: 3.37 min Scan# 497

Delta R.T. -0.00 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

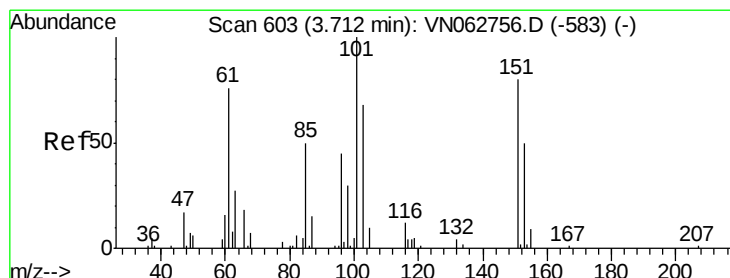
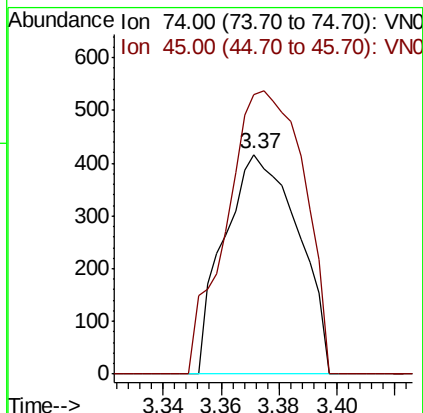
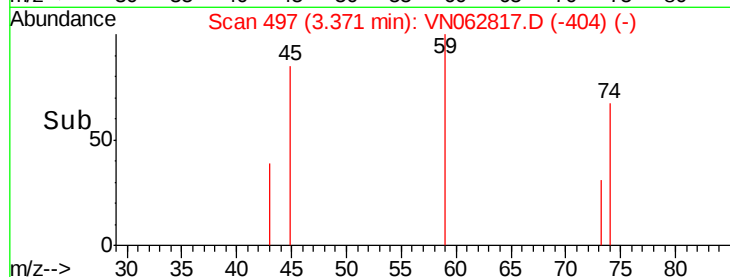
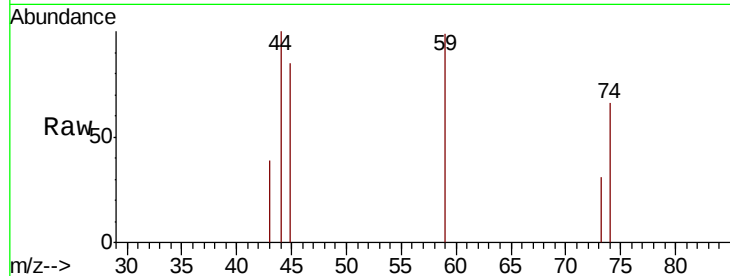
PB130827TB

Tot Ion: 74 Resp: 738

Ion Ratio Lower Upper

74 100

45 134.6 48.7 146.1



#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.70 min Scan# 599

Delta R.T. -0.01 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

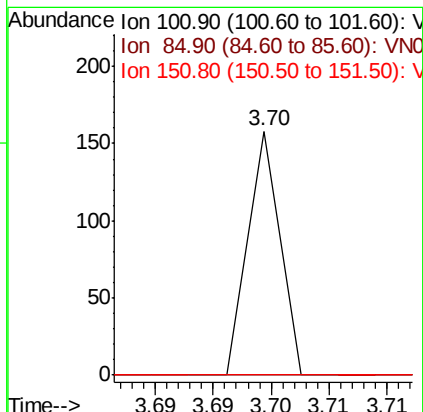
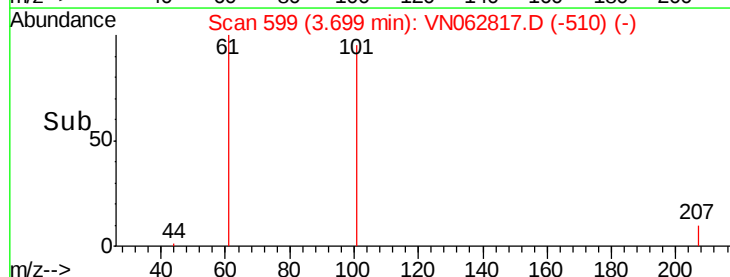
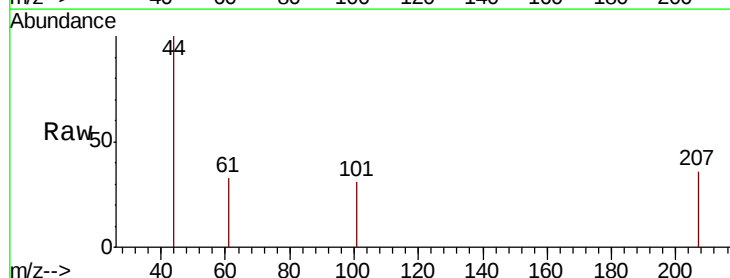
Tgt Ion:101 Resp: 30

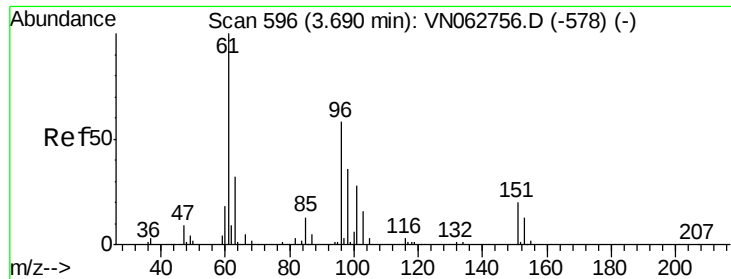
Ion Ratio Lower Upper

101 100

85 0.0 38.5 57.7#

151 0.0 63.0 94.6#

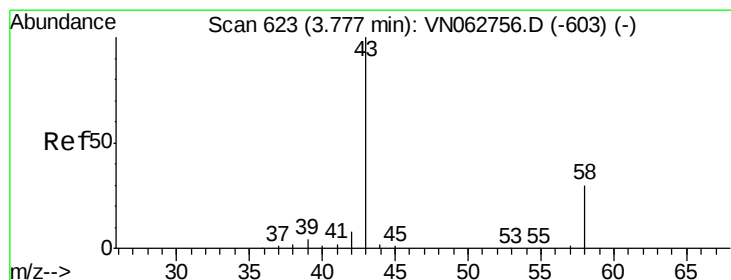
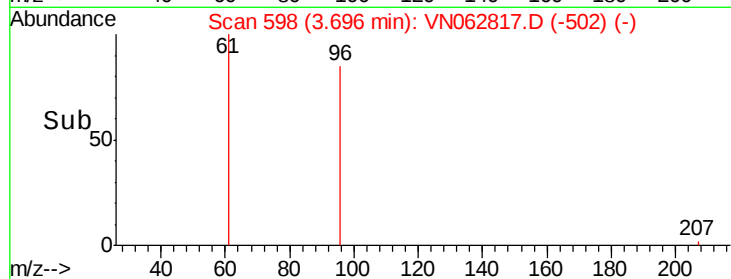
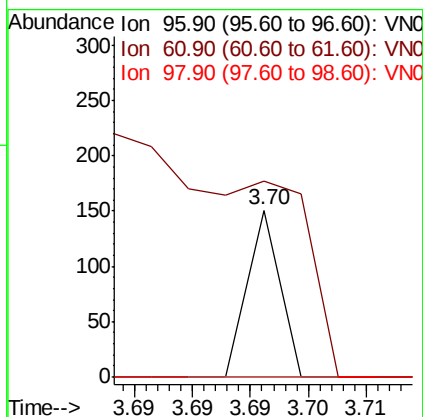
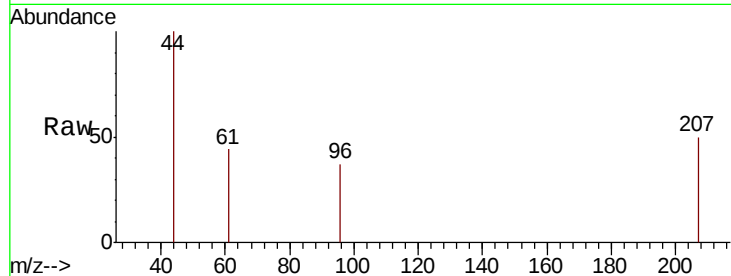




#12
 1,1-Dichloroethene
 Concen: Below Cal
 RT: 3.70 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

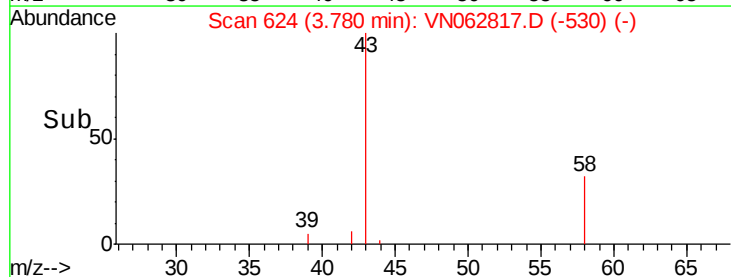
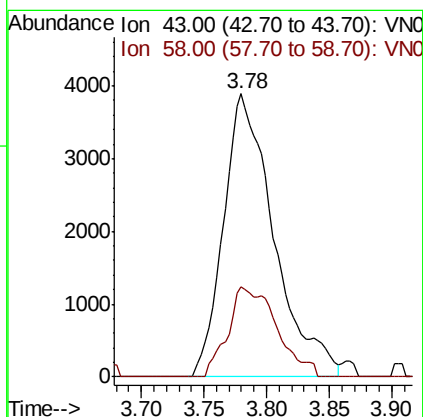
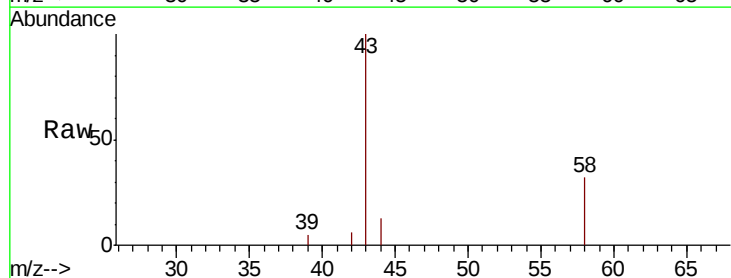
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130827TB

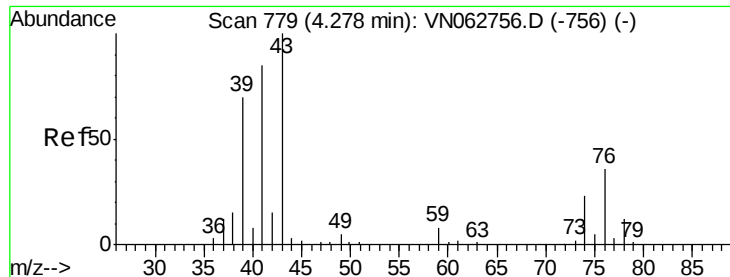
Tot Ion	Ratio	Lower	Upper
96	100		
61	117.2	139.0	208.6#
98	0.0	50.2	75.4#



#16
 Acetone
 Concen: 13.362 ug/l
 RT: 3.78 min Scan# 624
 Delta R.T. 0.00 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.0	24.1	36.1

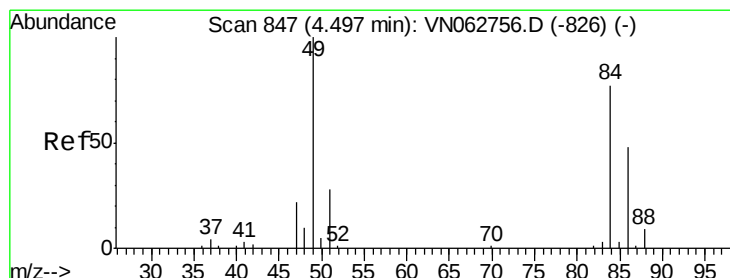
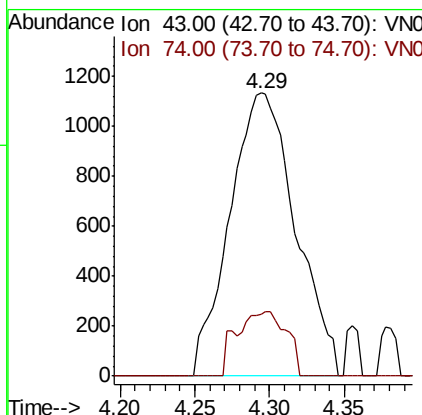
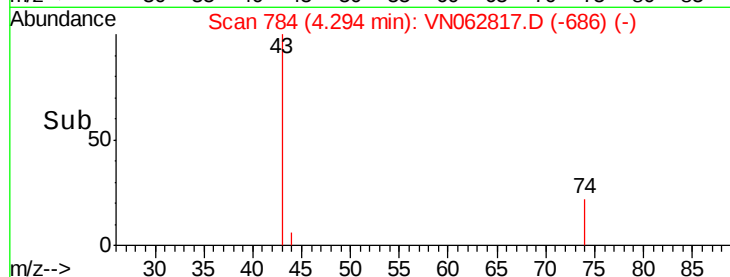
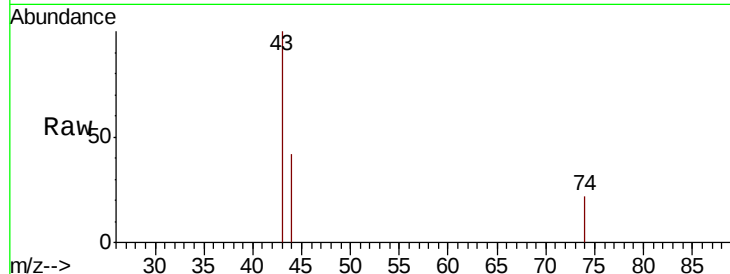




#18
Methyl Acetate
Concen: 0.686 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.02 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

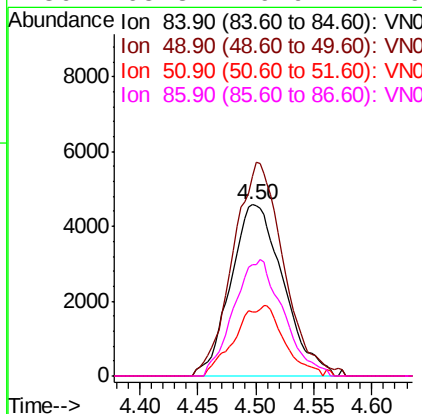
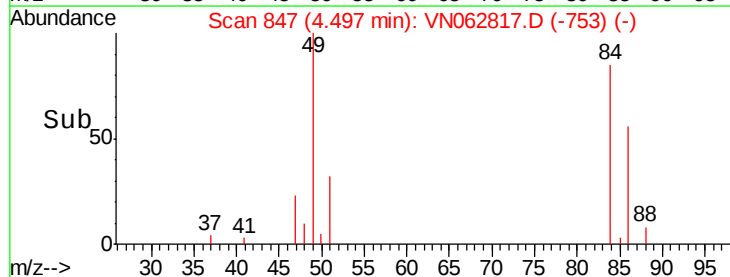
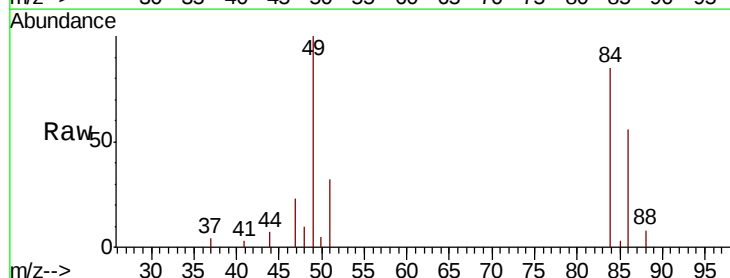
Instrument :
MSVOA_N
ClientSampled :
PB130827TB

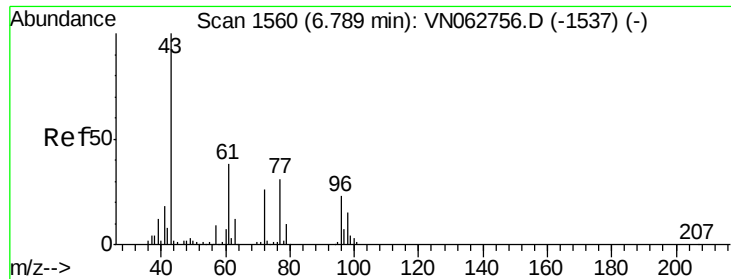
Tot Ion: 43 Resp: 3470
Ion Ratio Lower Upper
43 100
74 14.2 18.6 28.0#



#20
Methylene Chloride
Concen: 9.017 ug/l
RT: 4.50 min Scan# 847
Delta R.T. 0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Tgt Ion: 84 Resp: 14381
Ion Ratio Lower Upper
84 100
49 117.0 103.4 155.2
51 37.7 29.3 43.9
86 65.3 49.9 74.9





#25

2-Butanone

Concen: 2.995 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

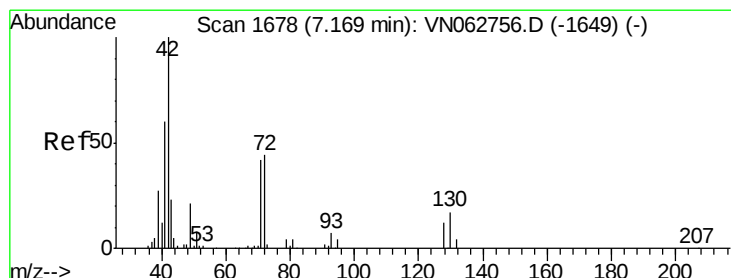
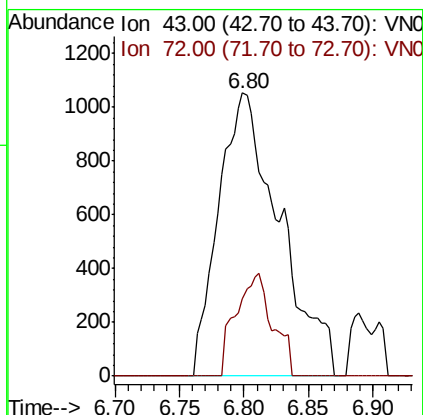
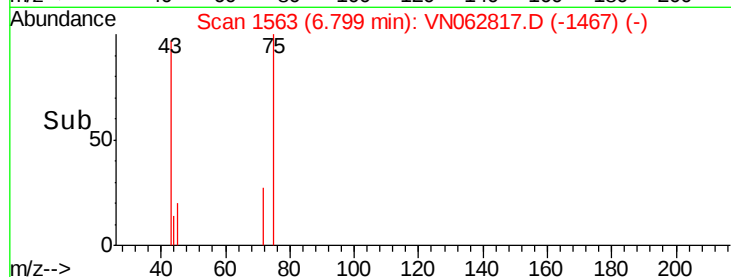
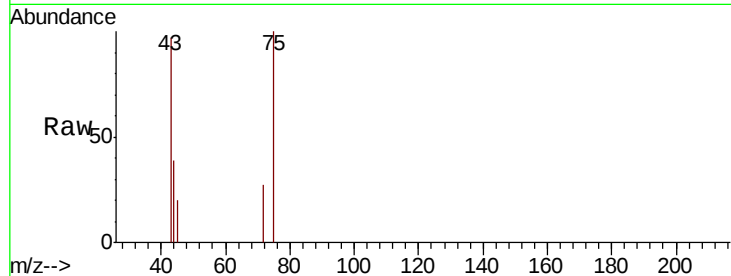
PB130827TB

Tot Ion: 43 Resp: 3458

Ion Ratio Lower Upper

43 100

72 27.4 21.1 31.7



#29

Tetrahydrofuran

Concen: 1.452 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.01 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

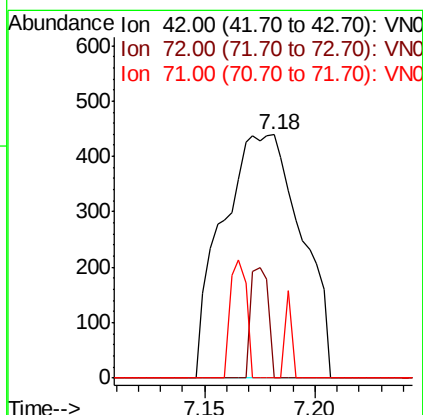
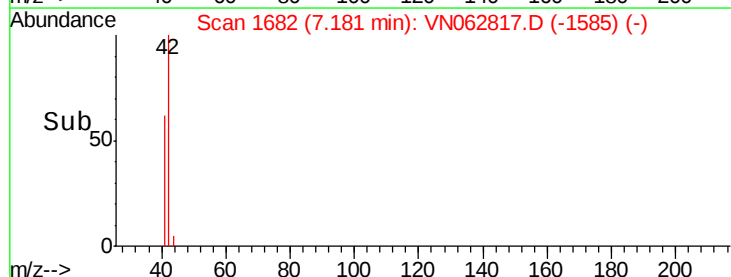
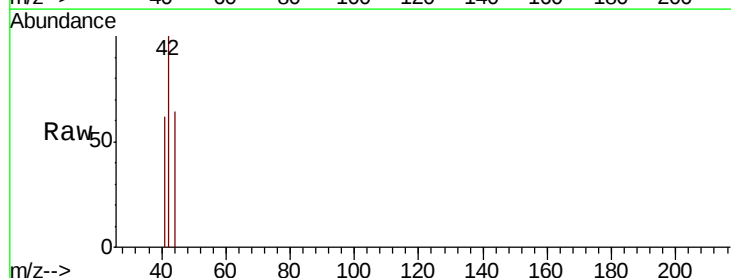
Tgt Ion: 42 Resp: 1089

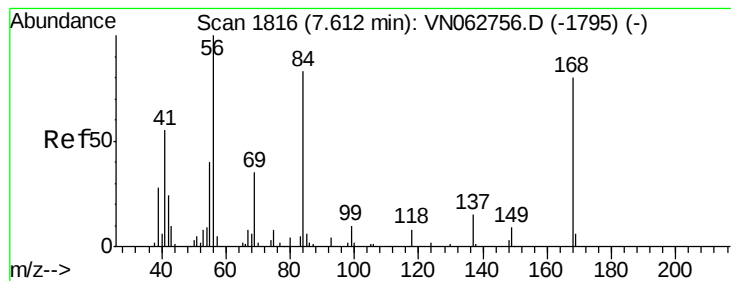
Ion Ratio Lower Upper

42 100

72 10.1 35.0 52.4#

71 2.8 33.2 49.8#





#31

Cyclohexane

Concen: 1.255 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

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ClientSampleId :

PB130827TB

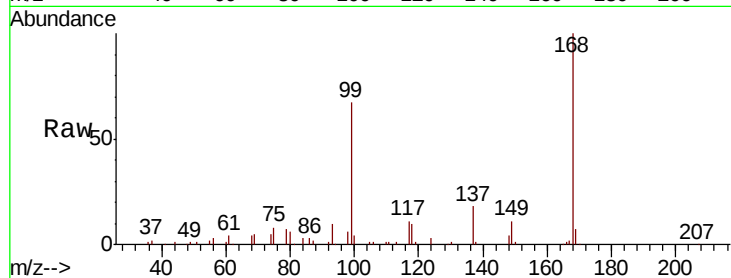
Tot Ion: 56 Resp: 3432

Ion Ratio Lower Upper

56 100

69 155.9 28.1 42.1#

84 103.1 66.8 100.2#

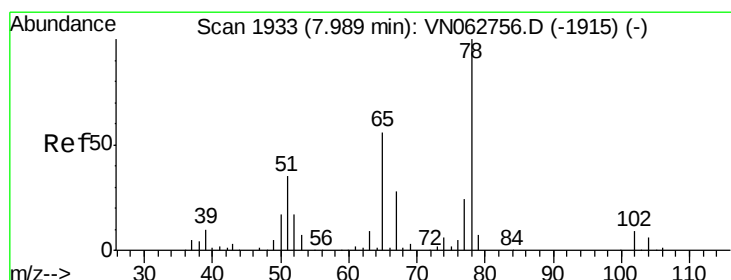
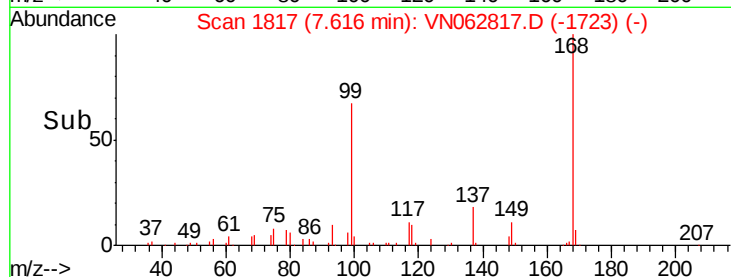
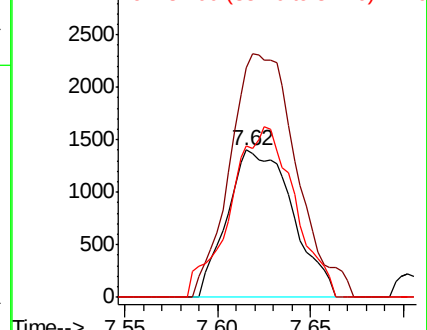


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#33

1,2-Dichloroethane-d4

Concen: 47.501 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062817.D

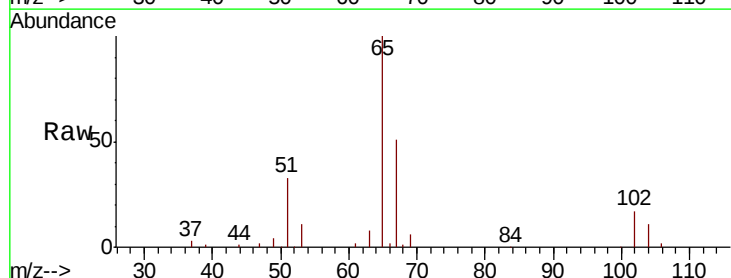
Acq: 10 Aug 2020 19:01

Tgt Ion: 65 Resp: 107164

Ion Ratio Lower Upper

65 100

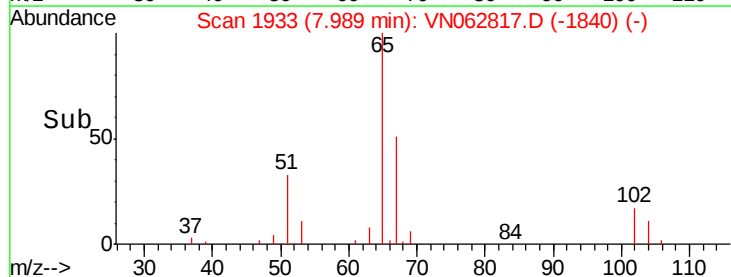
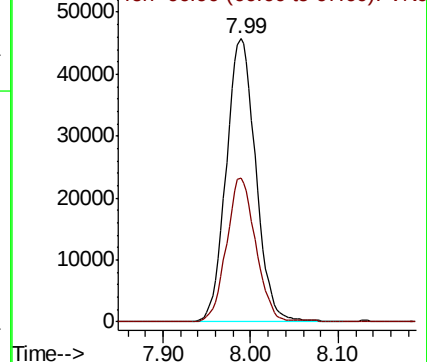
67 50.2 0.0 101.4

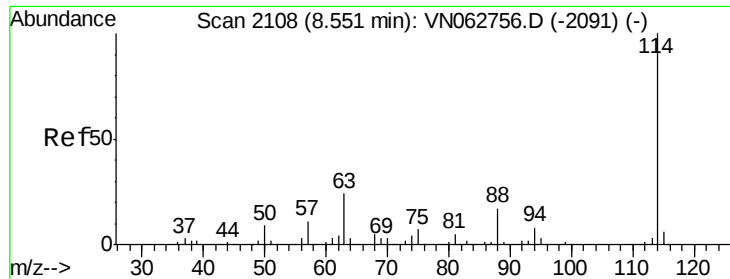


Abundance

Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO

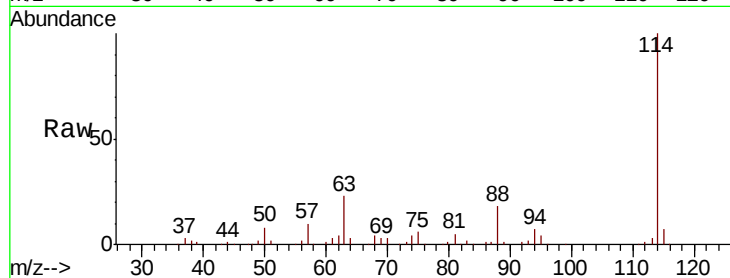




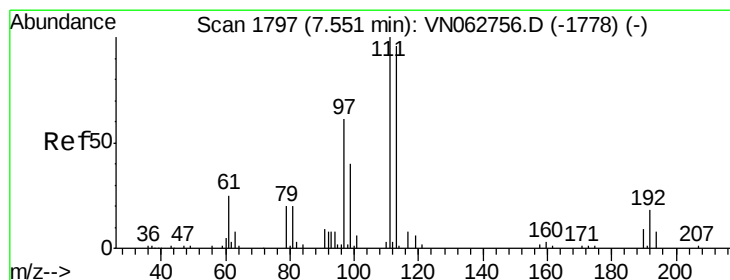
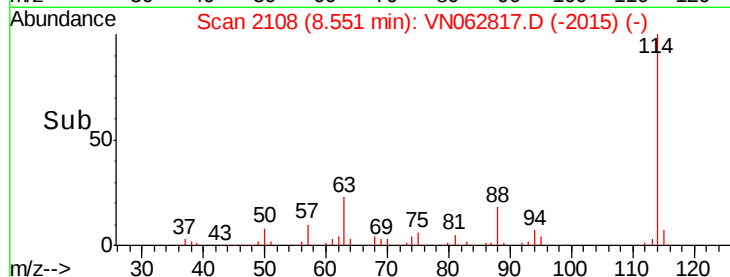
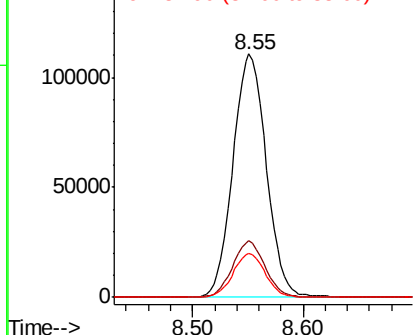
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Instrument :
MSVOA_N
ClientSampleId :
PB130827TB

Tot Ion:114 Resp: 232709
Ion Ratio Lower Upper
114 100
63 23.1 0.0 47.6
88 17.8 0.0 34.4

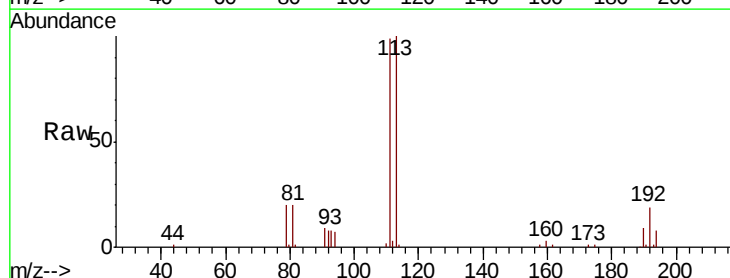


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

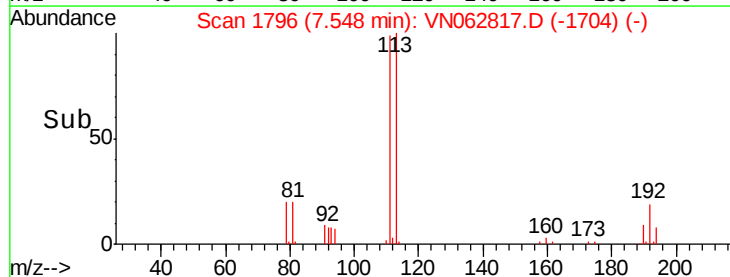
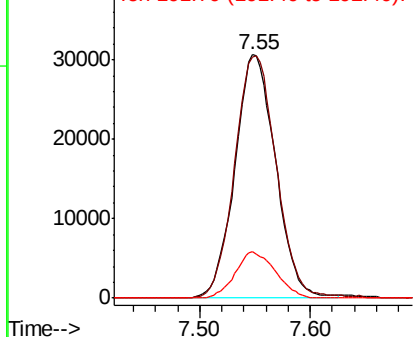


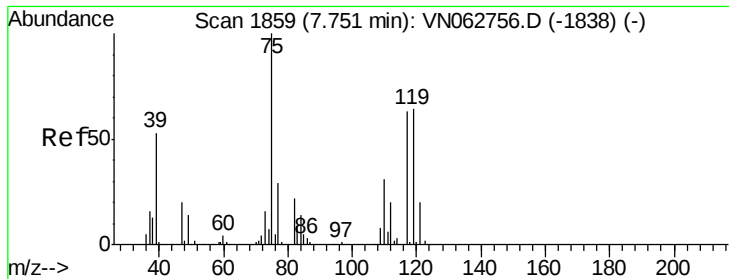
#35
Dibromofluoromethane
Concen: 49.087 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Tgt Ion:113 Resp: 78139
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 18.8 15.0 22.4



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

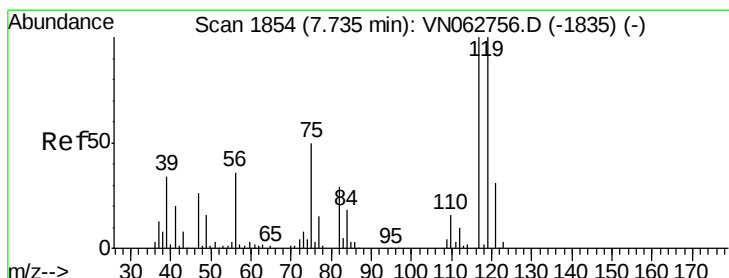
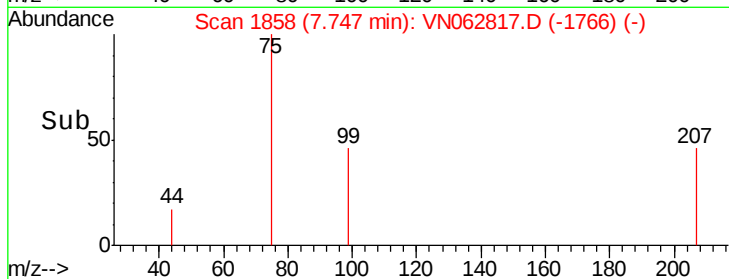
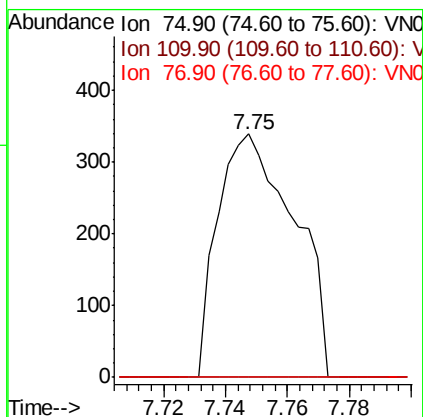
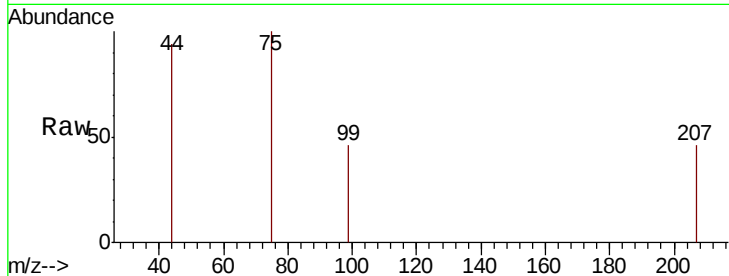




#36
 1,1-Dichloropropene
 Concen: 0.257 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

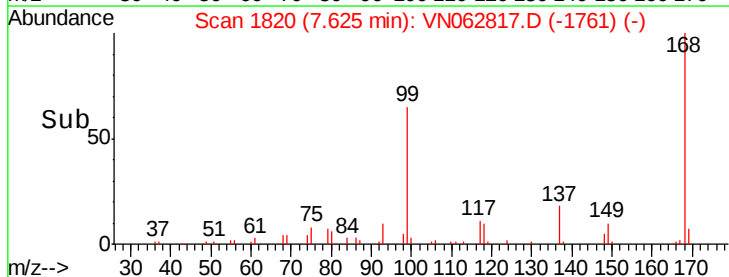
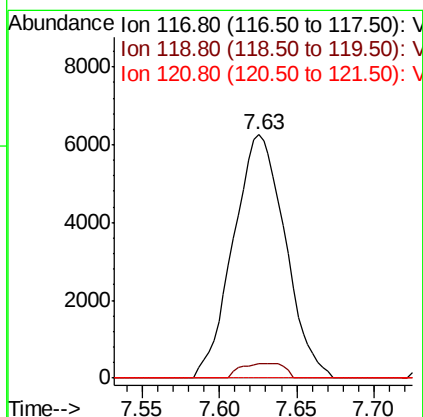
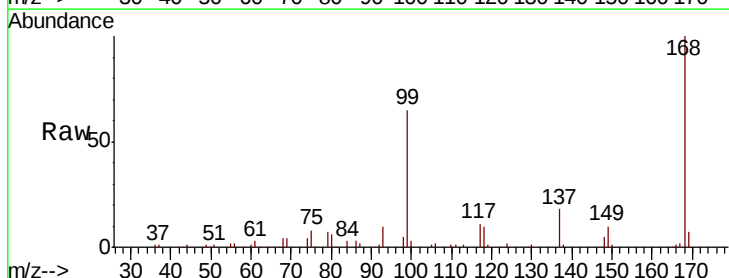
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130827TB

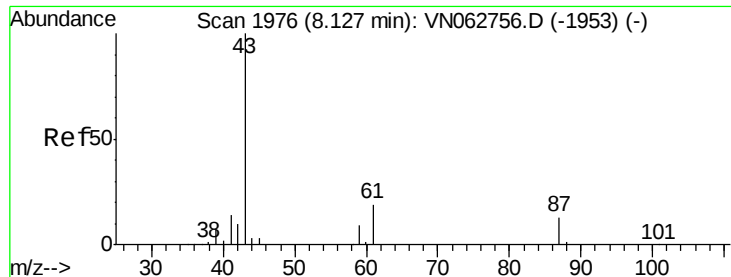
Tot Ion: 75 Resp: 582
 Ion Ratio Lower Upper
 75 100
 110 0.0 15.6 46.7#
 77 0.0 24.1 36.1#



#38
 Carbon Tetrachloride
 Concen: 5.445 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

Tgt Ion: 117 Resp: 14591
 Ion Ratio Lower Upper
 117 100
 119 5.8 79.4 119.2#
 121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 11.665 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampled :

PB130827TB

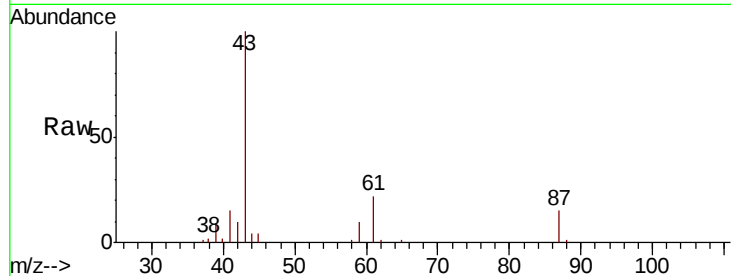
Tot Ion: 43 Resp: 46053

Ion Ratio Lower Upper

43 100

61 20.2 15.8 23.6

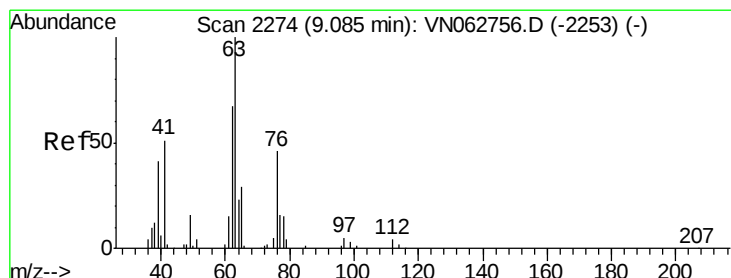
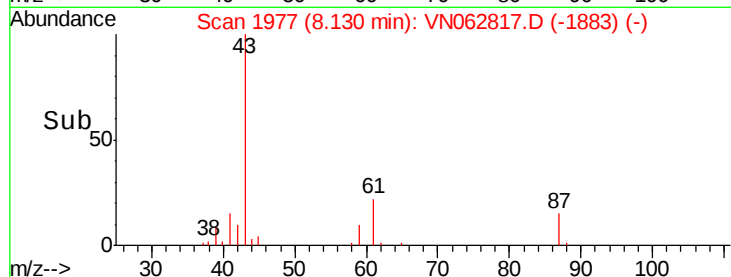
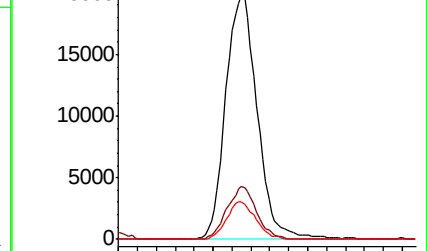
87 13.9 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062817.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062817.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062817.D (-1883) (-)



#45

1,2-Dichloropropane

Concen: 0.610 ug/l

RT: 9.24 min Scan# 2322

Delta R.T. 0.15 min

Lab File: VN062817.D

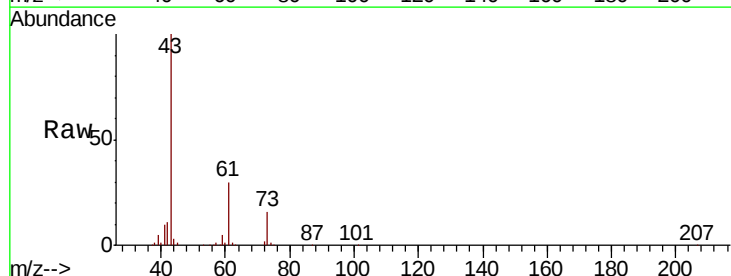
Acq: 10 Aug 2020 19:01

Tgt Ion: 63 Resp: 1116

Ion Ratio Lower Upper

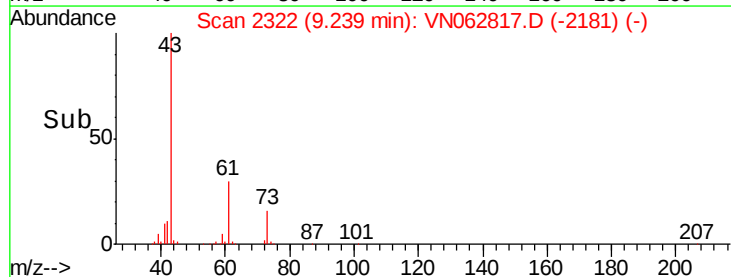
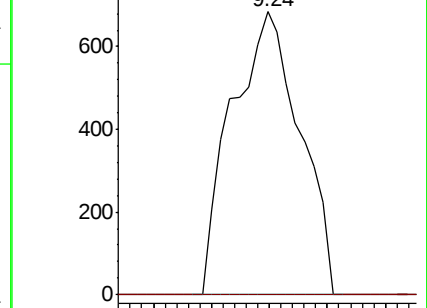
63 100

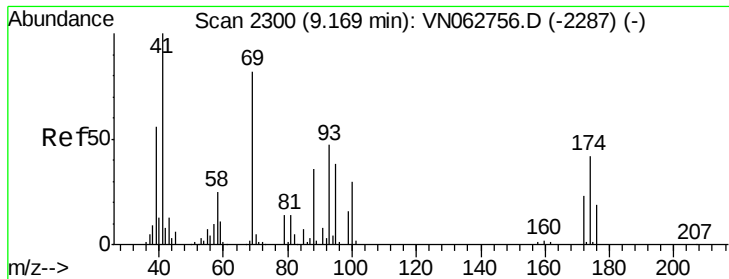
65 0.0 23.5 35.3#



Abundance Ion 62.90 (62.60 to 63.60): VN062817.D (-2181) (-)

Ion 64.90 (64.60 to 65.60): VN062817.D (-2181) (-)

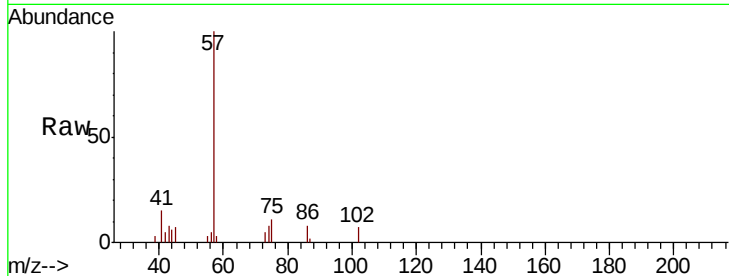




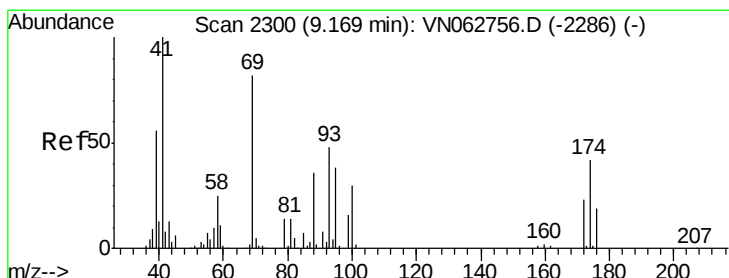
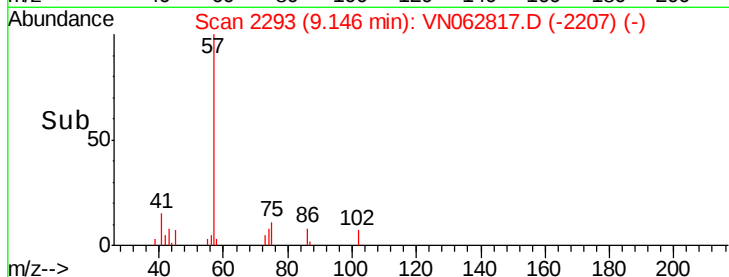
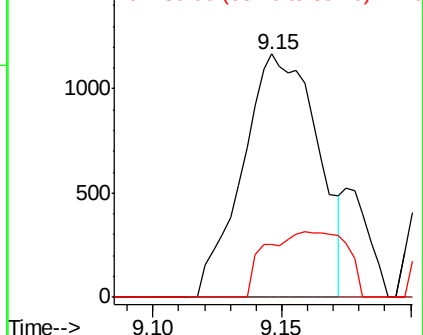
#48
Methvl methacrylate
Concen: 1.221 ug/l
RT: 9.15 min Scan# 2293
Delta R.T. -0.02 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Instrument :
MSVOA_N
ClientSampleId :
PB130827TB

Tot Ion: 41 Resp: 2371
Ion Ratio Lower Upper
41 100
69 0.0 67.4 101.2#
39 0.0 47.6 71.4#

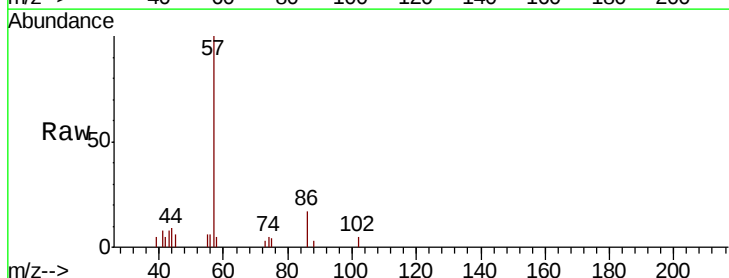


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

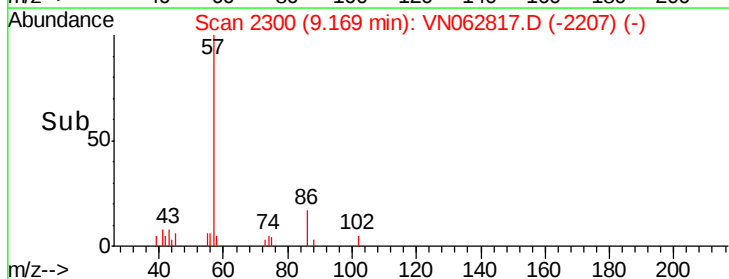
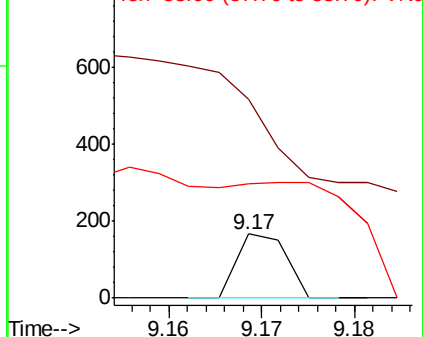


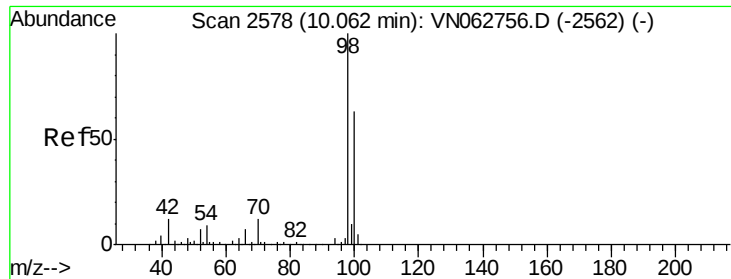
#49
1,4-Dioxane
Concen: 1.695 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 29.5 44.3#
58 709.8 59.8 89.8#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

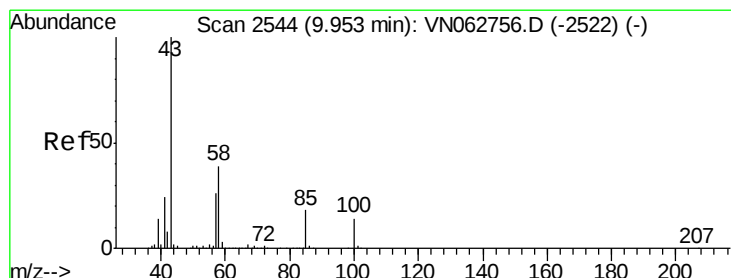
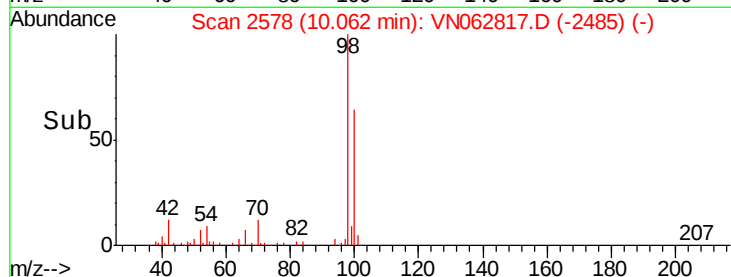
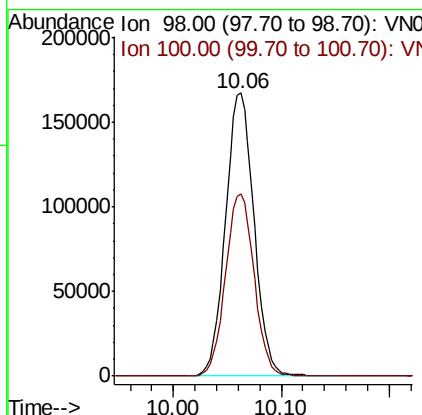
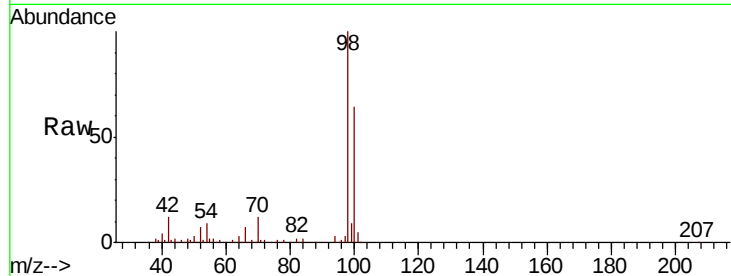




#50
Toluene-d8
Concen: 49.430 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. -0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

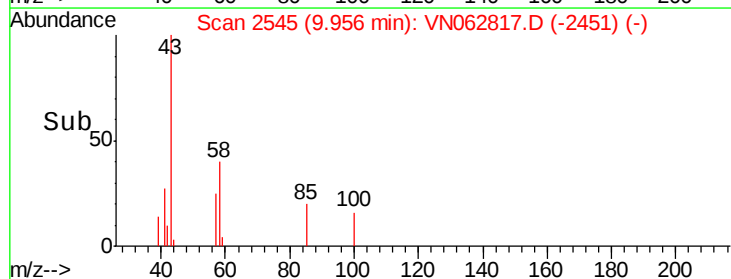
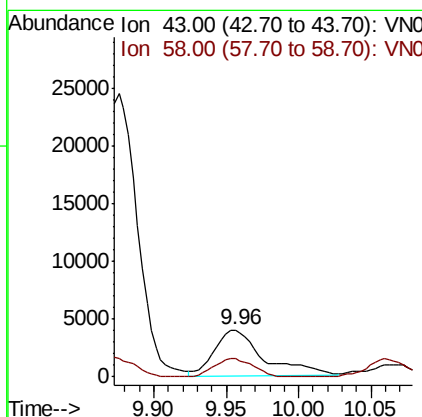
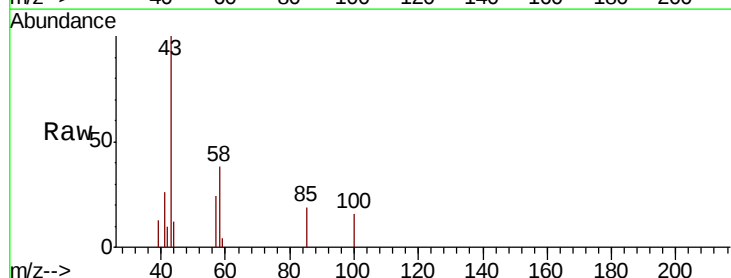
Instrument :
MSVOA_N
ClientSampleId :
PB130827TB

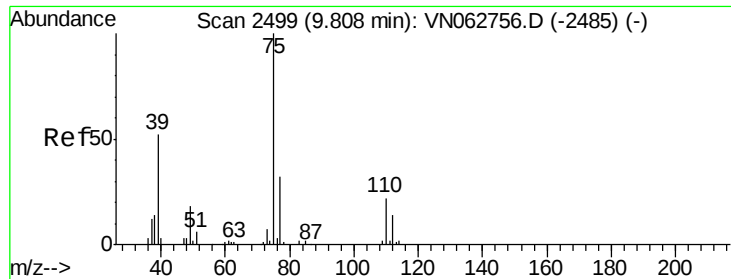
Tot Ion: 98 Resp: 307197
Ion Ratio Lower Upper
98 100
100 64.5 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 3.762 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Tgt Ion: 43 Resp: 9611
Ion Ratio Lower Upper
43 100
58 31.2 31.1 46.7

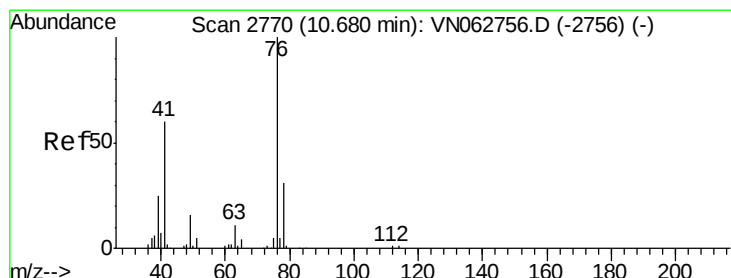
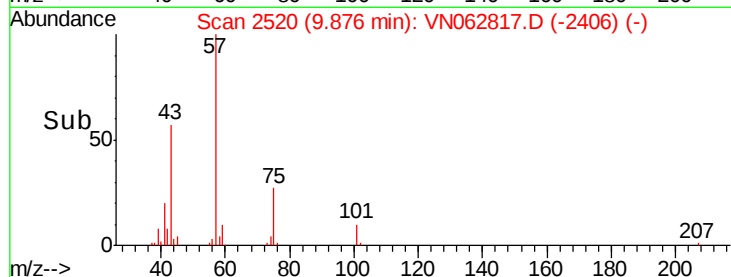
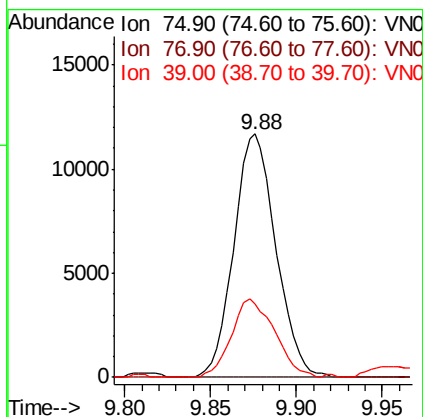
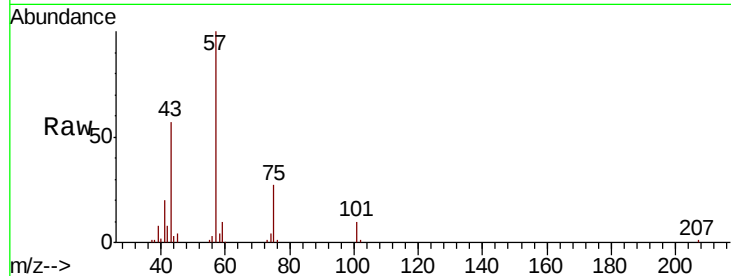




#54
 cis-1,3-Dichloropropene
 Concen: 6.675 ug/l
 RT: 9.88 min Scan# 2520
 Delta R.T. 0.07 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

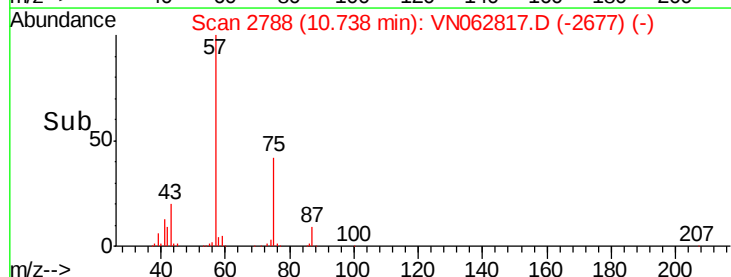
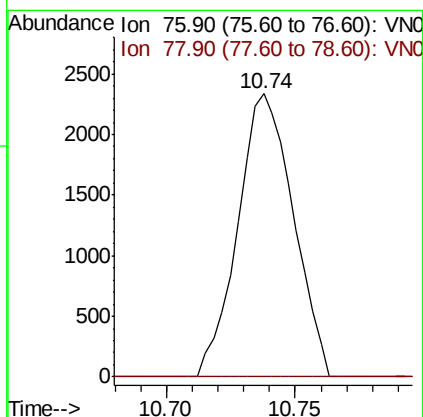
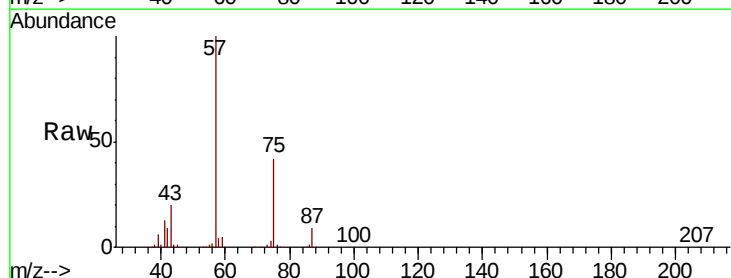
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130827TB

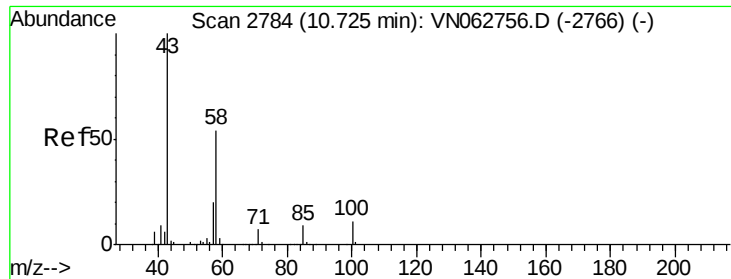
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.5	38.3#
39	30.2	41.9	62.9#



#57
 1,3-Dichloropropane
 Concen: 1.156 ug/l
 RT: 10.74 min Scan# 2788
 Delta R.T. 0.06 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.4	38.0#

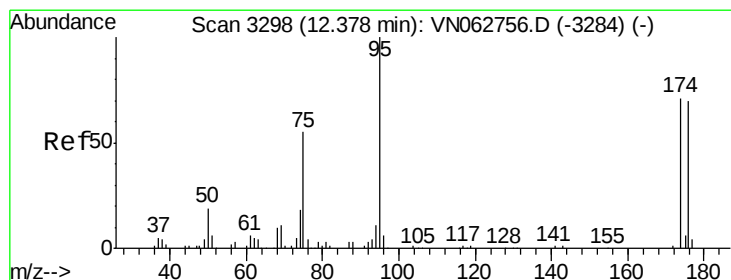
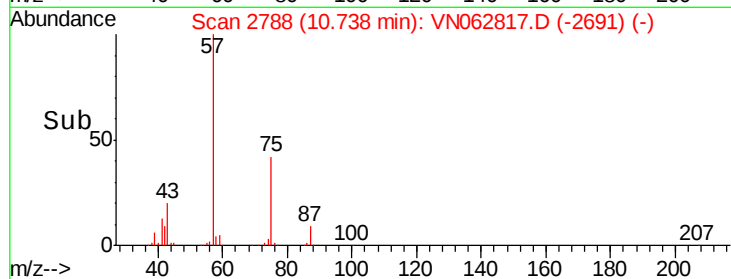
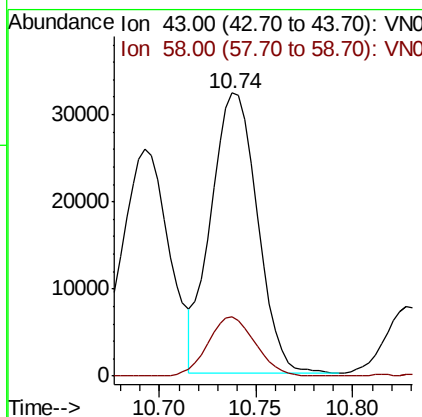
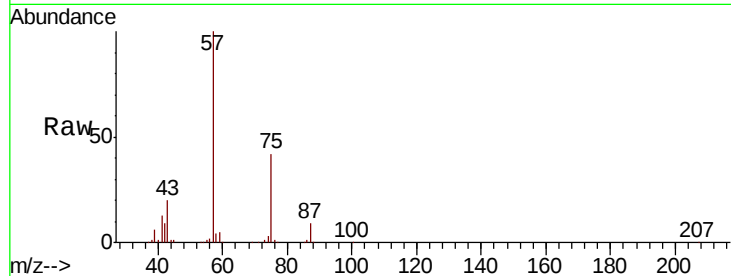




#59
2-Hexanone
Concen: 28.164 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.01 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

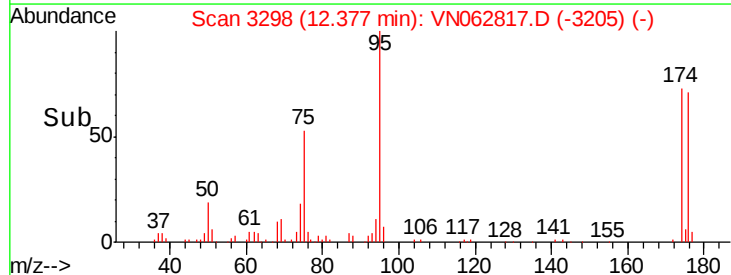
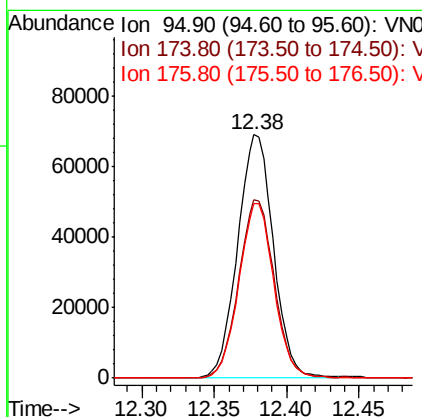
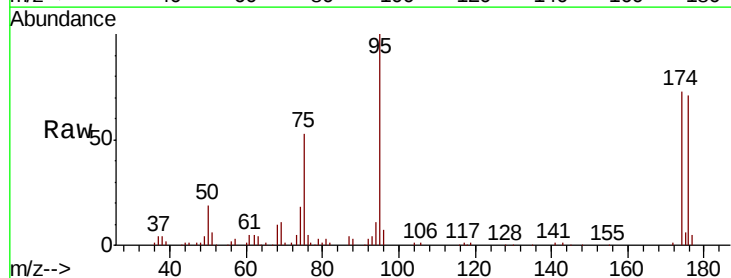
Instrument :
MSVOA_N
ClientSampled :
PB130827TB

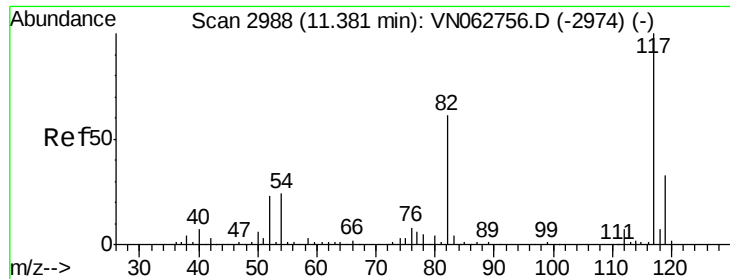
Tot Ion: 43 Resp: 53666
Ion Ratio Lower Upper
43 100
58 21.6 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 50.517 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Tgt Ion: 95 Resp: 118641
Ion Ratio Lower Upper
95 100
174 72.9 0.0 144.8
176 70.4 0.0 142.2

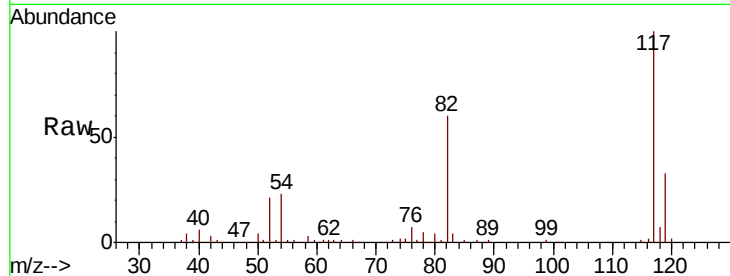




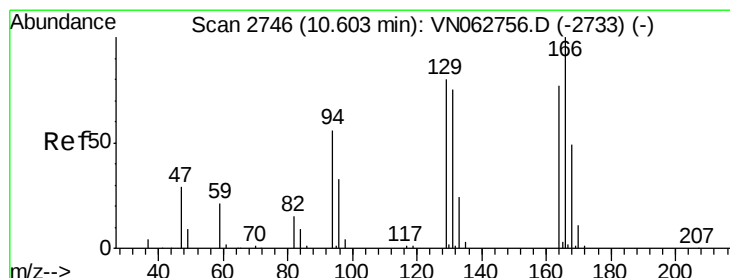
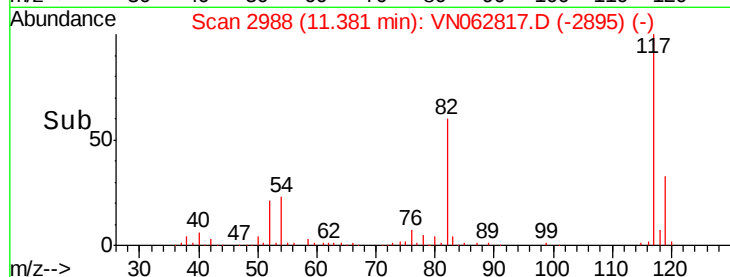
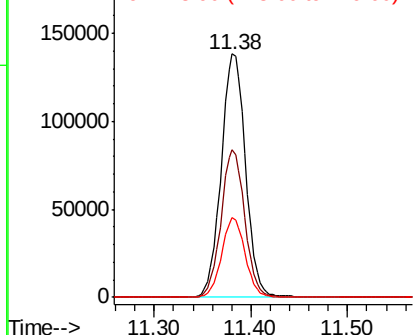
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Instrument :
MSVOA_N
ClientSampleId :
PB130827TB

Tot Ion:117 Resp: 241599
Ion Ratio Lower Upper
117 100
82 60.5 49.0 73.4
119 32.6 26.2 39.2

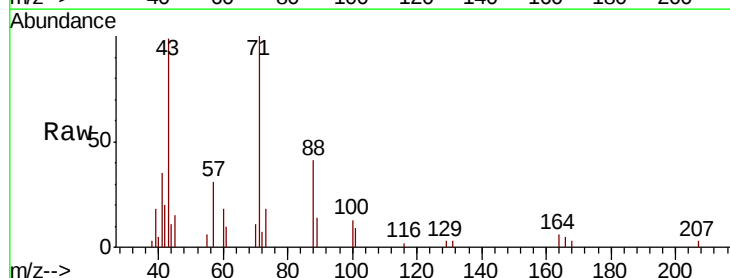


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

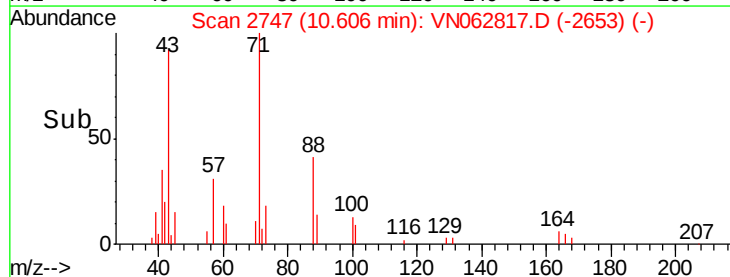
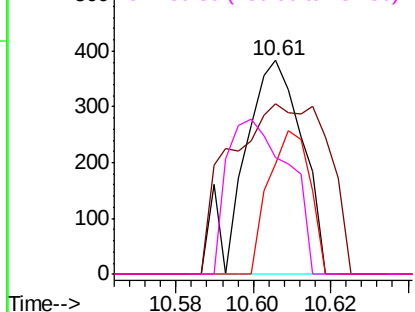


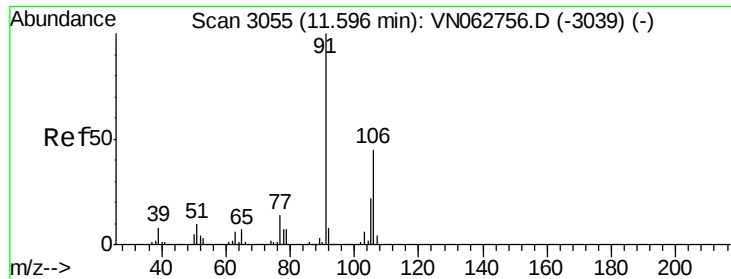
#64
Tetrachloroethene
Concen: 0.260 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Tgt Ion:164 Resp: 405
Ion Ratio Lower Upper
164 100
166 79.9 103.8 155.8#
129 51.7 82.7 124.1#
131 54.6 78.2 117.2#



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

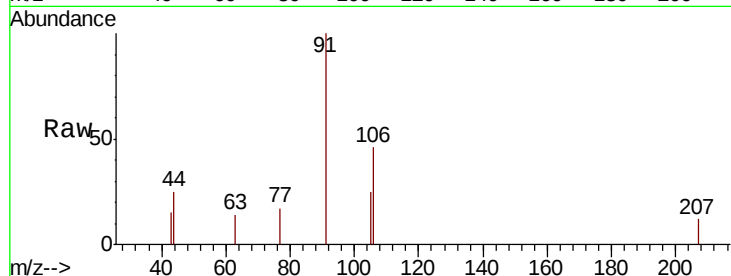




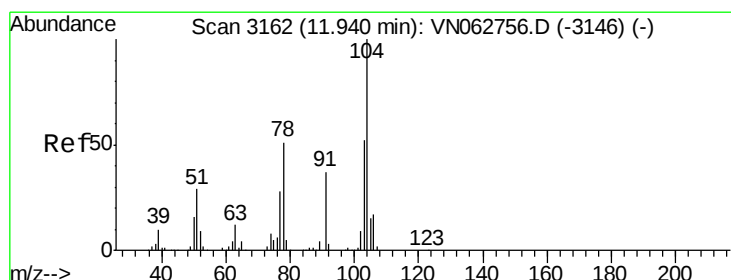
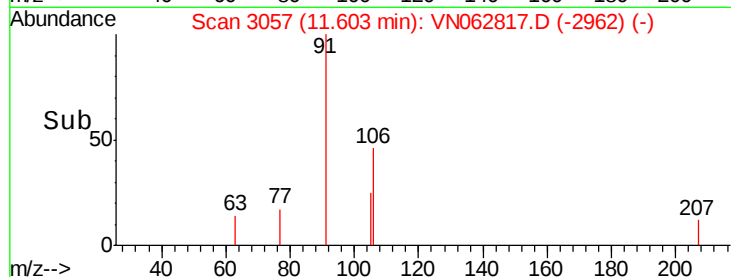
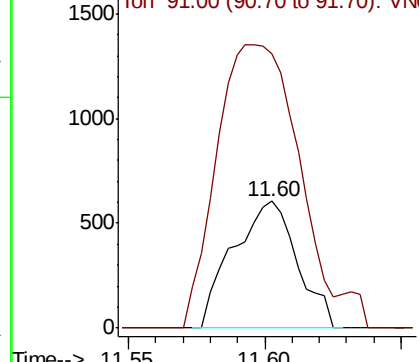
#68
m/p-Xylenes
Concen: 0.299 ug/l
RT: 11.60 min Scan# 3057
Delta R.T. 0.01 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Instrument :
MSVOA_N
ClientSampled :
PB130827TB

Tot Ion:106 Resp: 982
Ion Ratio Lower Upper
106 100
91 293.0 175.9 263.9#

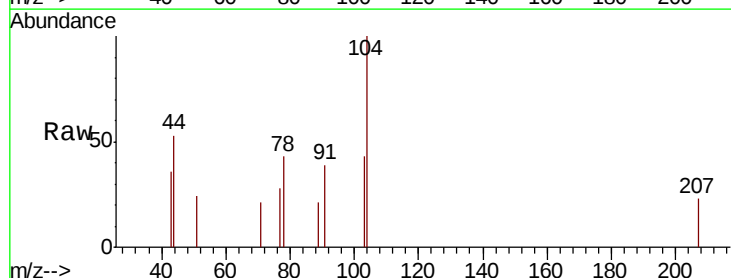


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

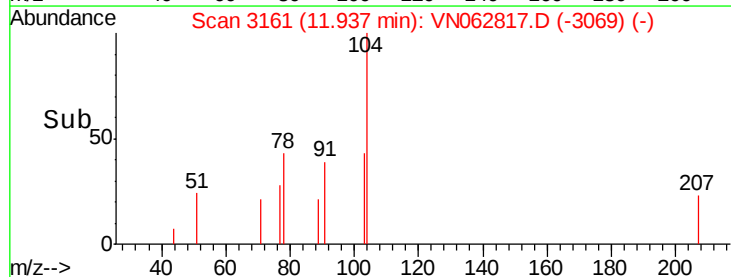
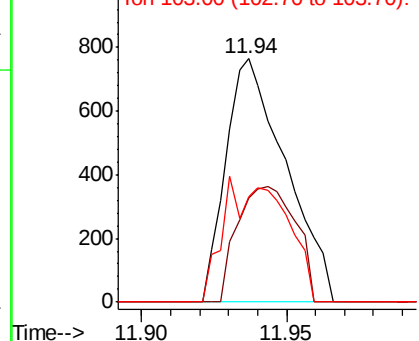


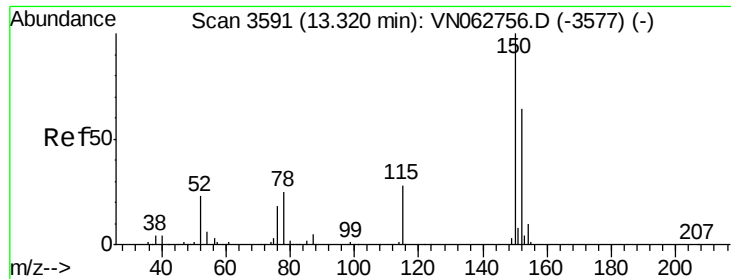
#70
Styrene
Concen: 0.203 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062817.D
Acq: 10 Aug 2020 19:01

Tgt Ion:104 Resp: 1098
Ion Ratio Lower Upper
104 100
78 45.7 45.9 68.9#
103 52.5 45.1 67.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): 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: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

PB130827TB

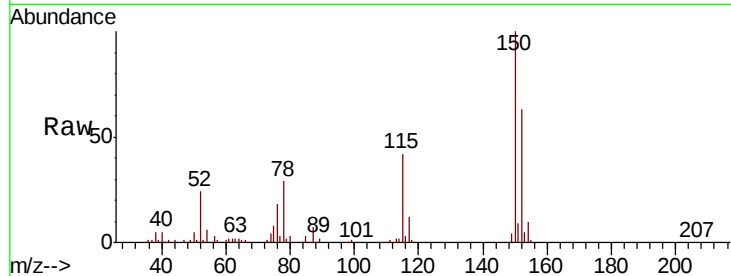
Tot Ion:152 Resp: 91358

Ion Ratio Lower Upper

152 100

115 64.7 31.6 94.8

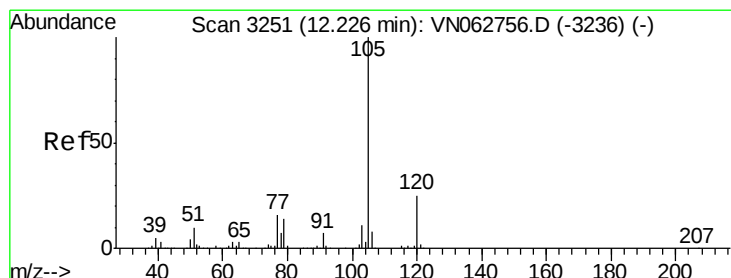
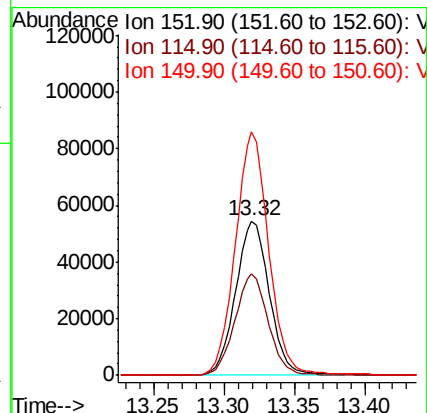
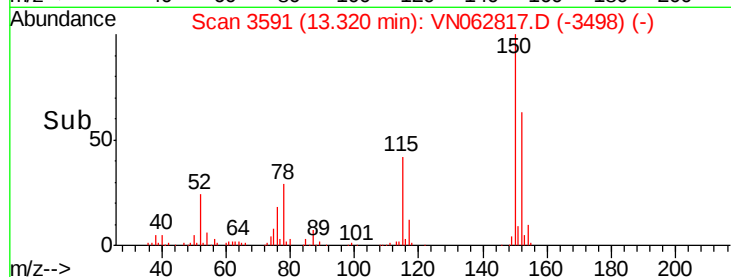
150 155.0 0.0 349.2



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



#73

Isopropylbenzene

Concen: 0.204 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062817.D

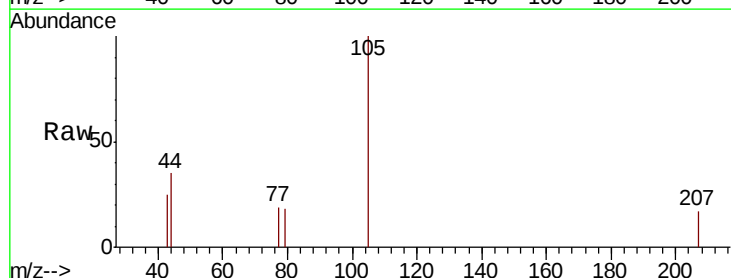
Acq: 10 Aug 2020 19:01

Tgt Ion:105 Resp: 1405

Ion Ratio Lower Upper

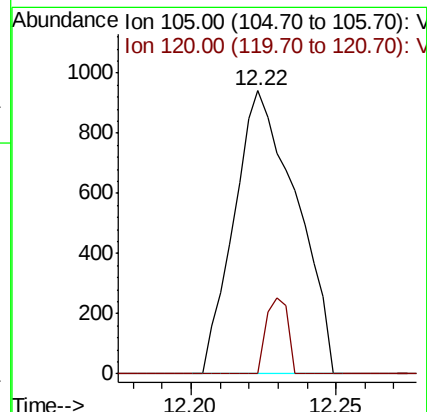
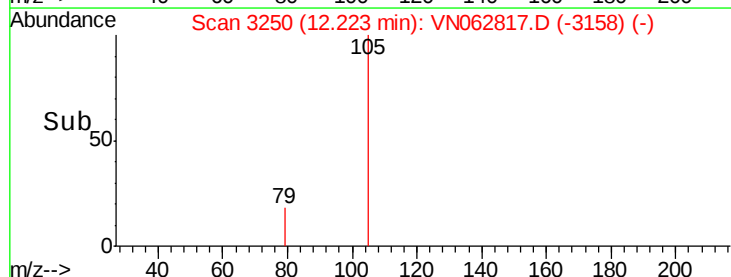
105 100

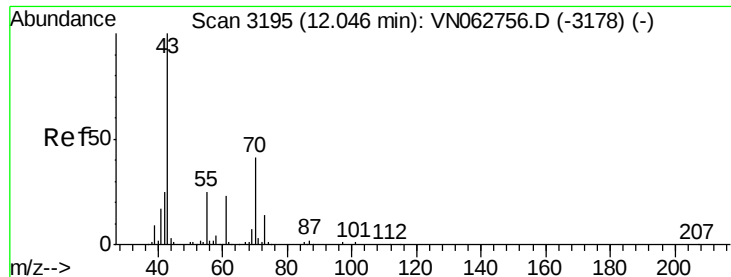
120 9.4 12.6 37.8#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.250 ug/l

RT: 12.00 min Scan# 3182

Delta R.T. -0.04 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampled :

PB130827TB

Tot Ion: 43 Resp: 698

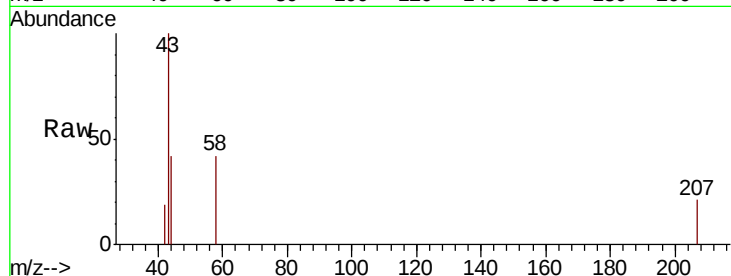
Ion Ratio Lower Upper

43 100

70 0.0 32.3 48.5#

55 0.0 20.2 30.2#

61 0.0 18.2 27.4#

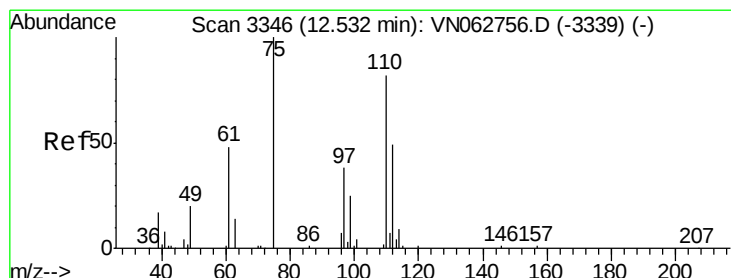
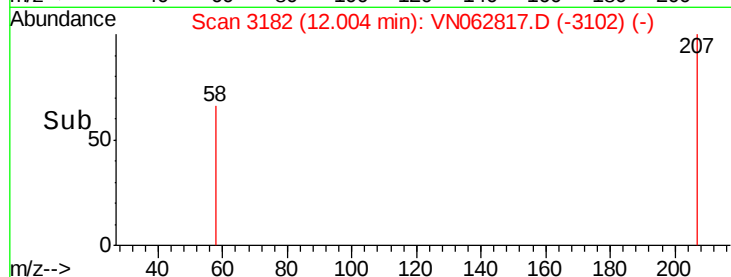
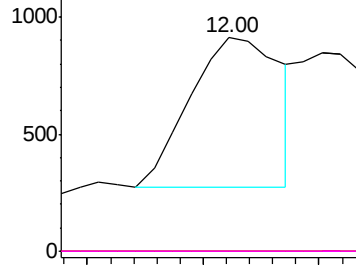


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.708 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062817.D

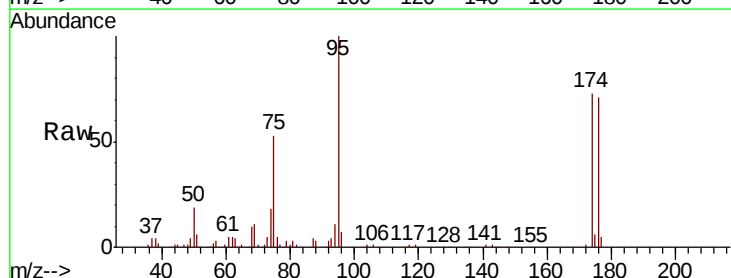
Acq: 10 Aug 2020 19:01

Tgt Ion: 75 Resp: 63339

Ion Ratio Lower Upper

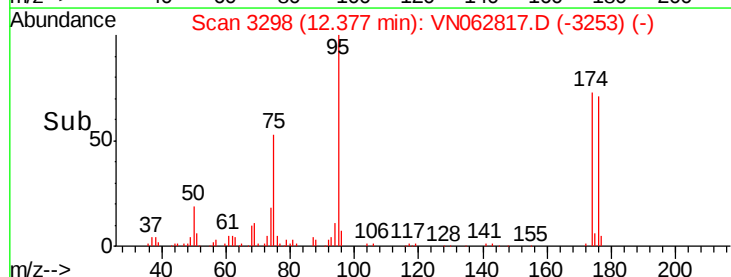
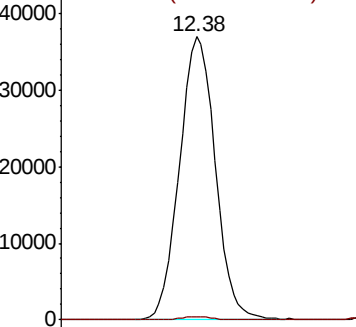
75 100

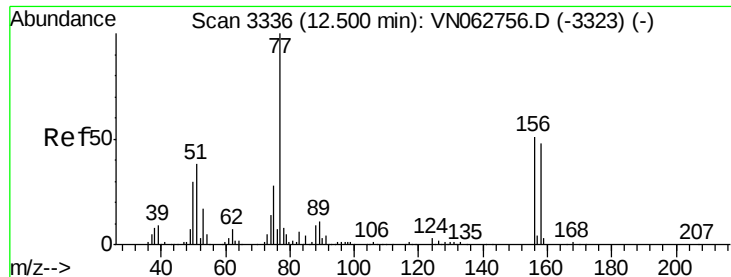
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.280 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampled :

PB130827TB

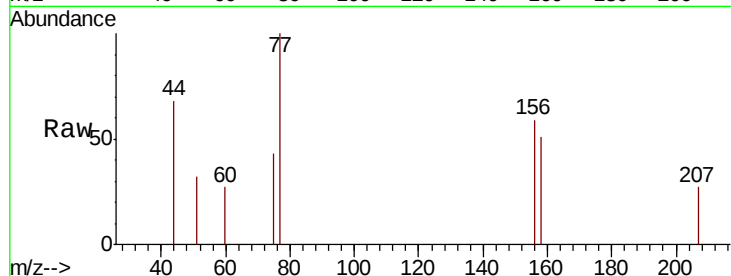
Tot Ion:156 Resp: 478

Ion Ratio Lower Upper

156 100

77 257.3 119.7 359.1

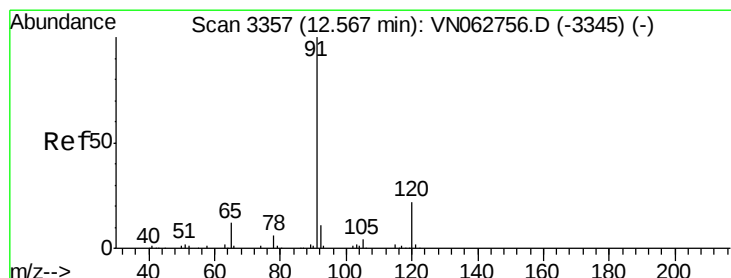
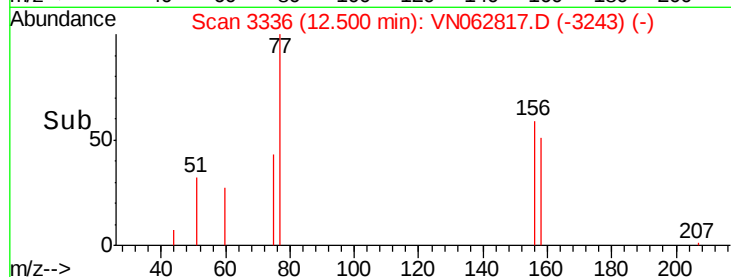
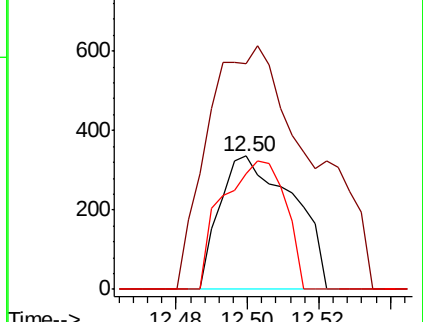
158 82.6 48.1 144.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.312 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062817.D

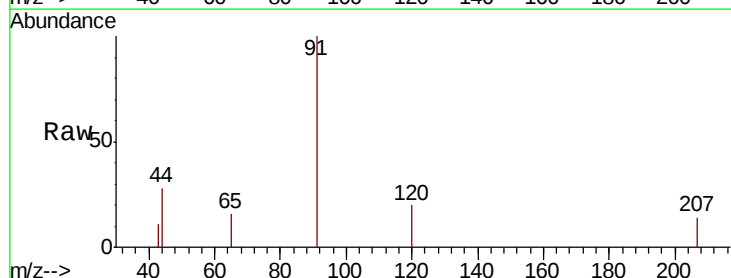
Acq: 10 Aug 2020 19:01

Tgt Ion: 91 Resp: 2516

Ion Ratio Lower Upper

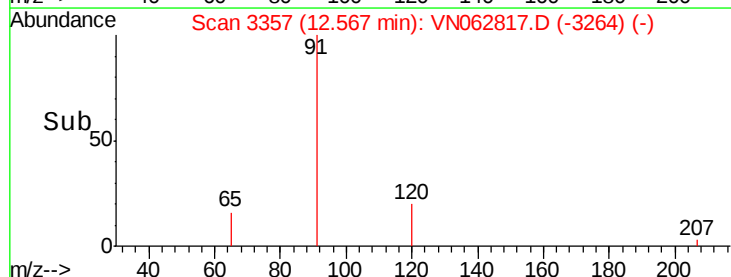
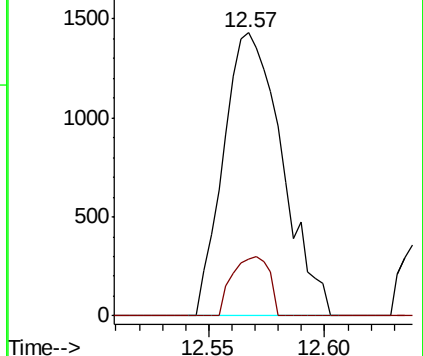
91 100

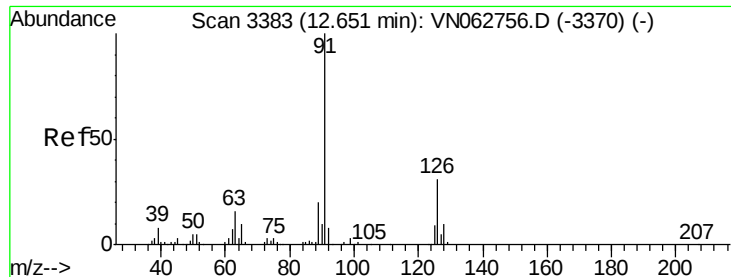
120 13.2 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

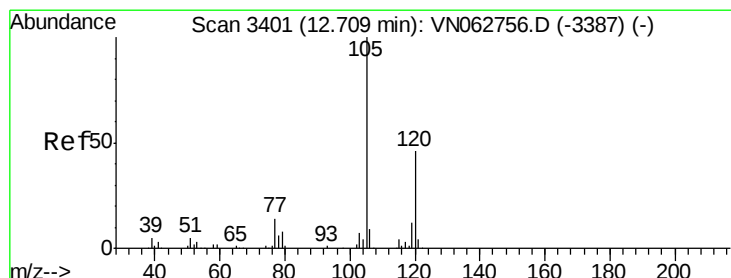
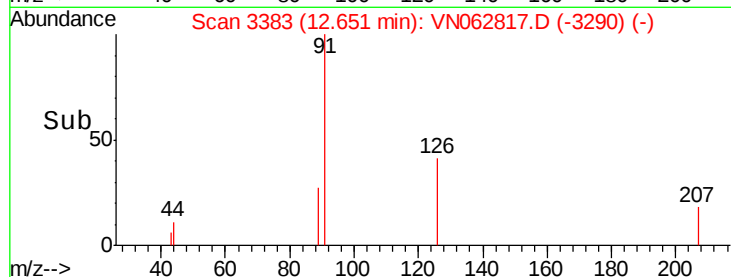
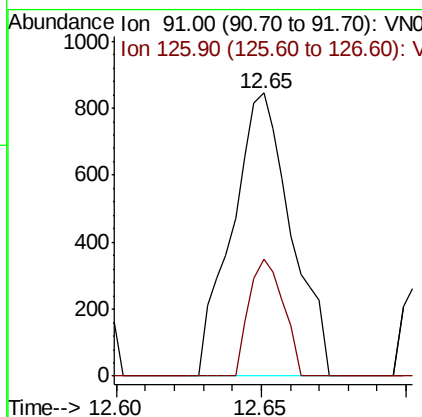
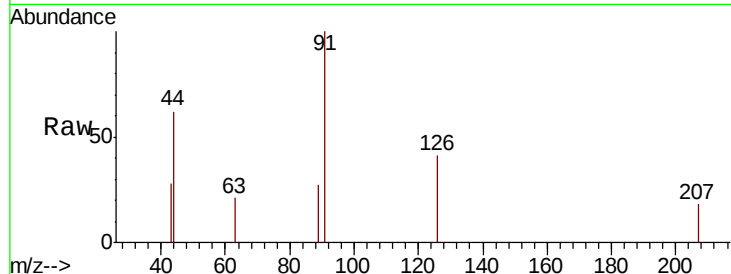




#79
 2-Chlorotoluene
 Concen: 0.236 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. -0.00 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

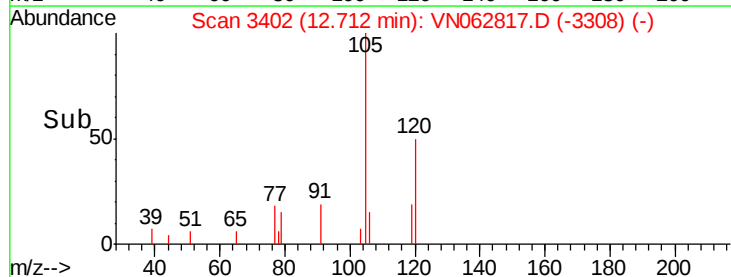
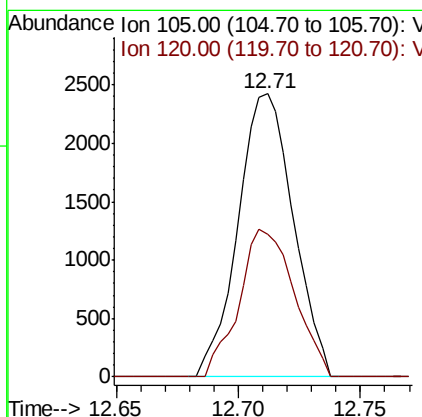
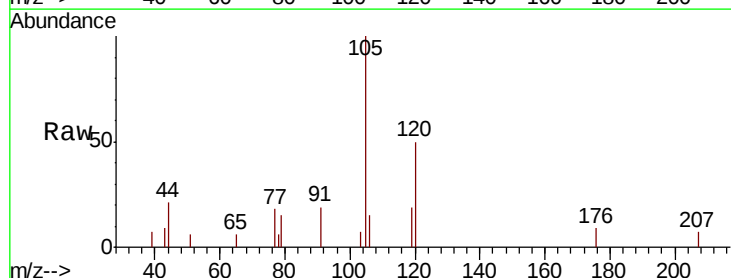
Instrument :
 MSVOA_N
 ClientSampled :
 PB130827TB

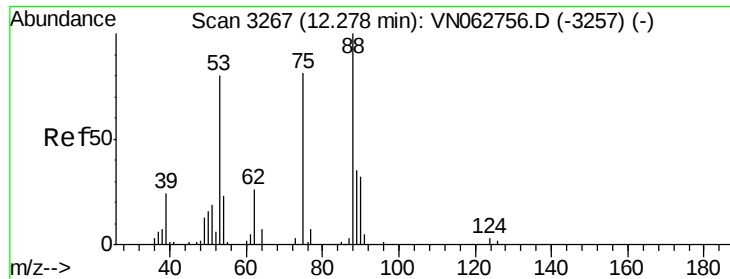
Tot Ion: 91 Resp: 1196
 Ion Ratio Lower Upper
 91 100
 126 24.1 15.6 46.7



#80
 1,3,5-Trimethylbenzene
 Concen: 0.638 ug/l
 RT: 12.71 min Scan# 3402
 Delta R.T. 0.00 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

Tgt Ion: 105 Resp: 3810
 Ion Ratio Lower Upper
 105 100
 120 51.8 22.9 68.5





#81

trans-1,4-Dichloro-2-butene

Concen: 78.478 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

PB130827TB

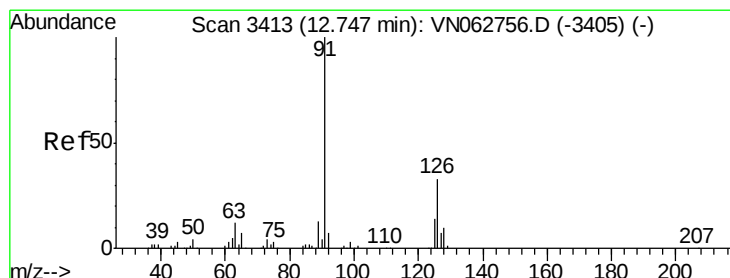
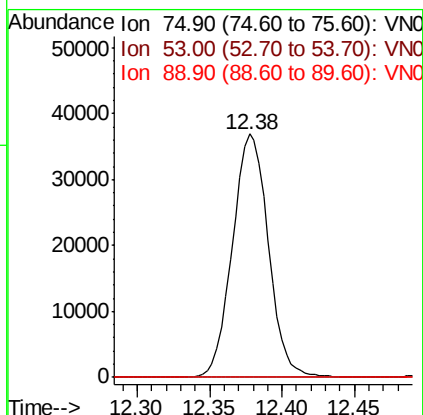
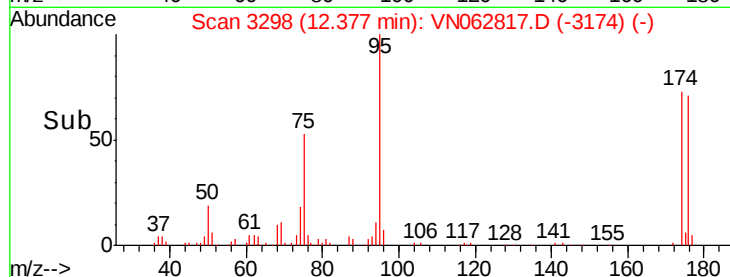
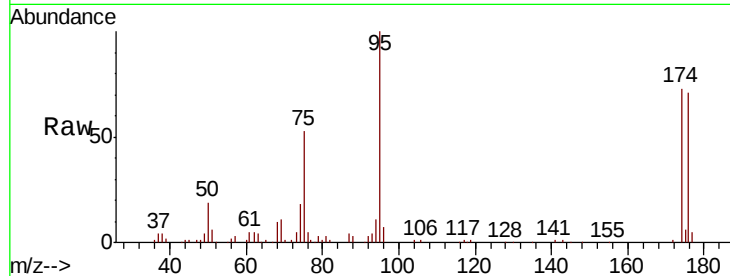
Tot Ion: 75 Resp: 63339

Ion Ratio Lower Upper

75 100

53 0.0 79.1 118.7#

89 0.0 36.2 54.2#



#82

4-Chlorotoluene

Concen: 0.377 ug/l

RT: 12.76 min Scan# 3416

Delta R.T. 0.01 min

Lab File: VN062817.D

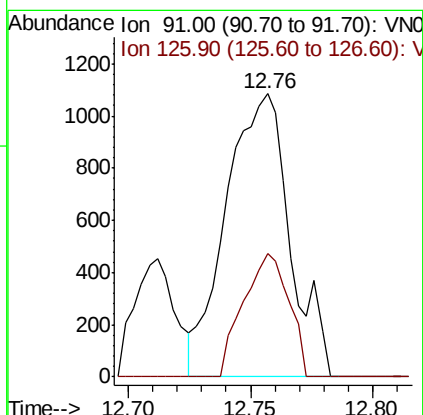
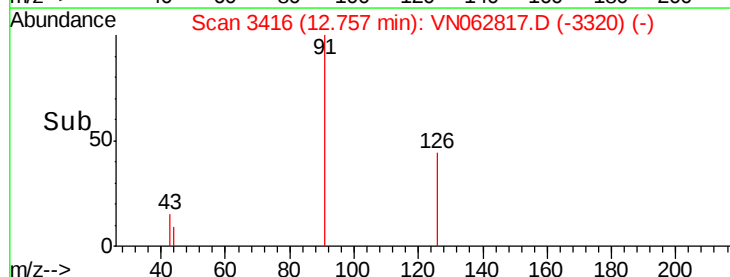
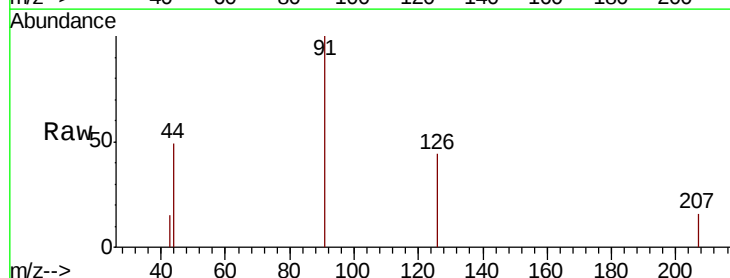
Acq: 10 Aug 2020 19:01

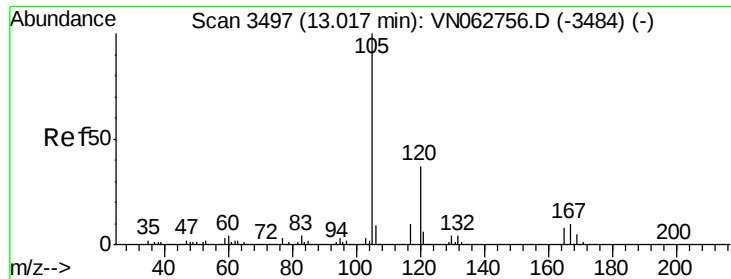
Tgt Ion: 91 Resp: 1965

Ion Ratio Lower Upper

91 100

126 30.9 15.3 45.9





#84

1,2,4-Trimethylbenzene

Concen: 0.322 ug/l

RT: 13.02 min Scan# 3497

Delta R.T. -0.00 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampled :

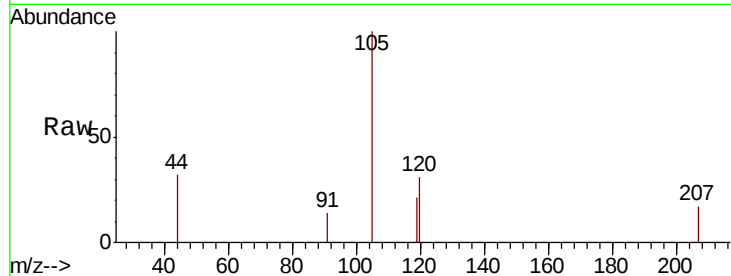
PB130827TB

Tot Ion:105 Resp: 1837

Ion Ratio Lower Upper

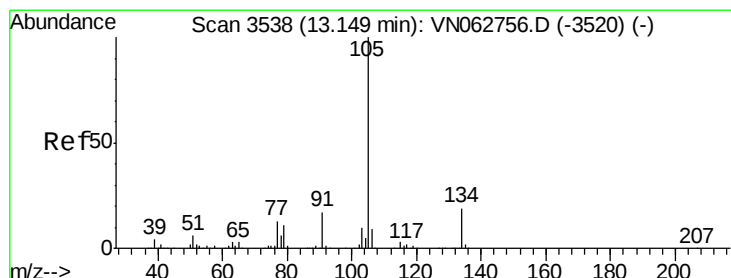
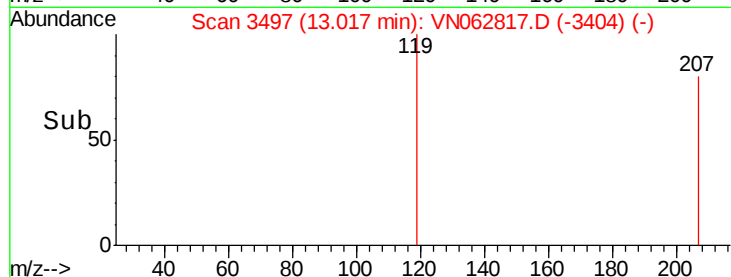
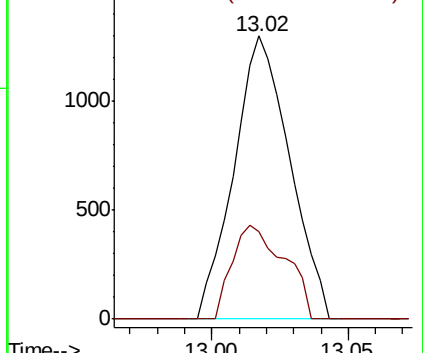
105 100

120 31.4 21.4 64.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.272 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062817.D

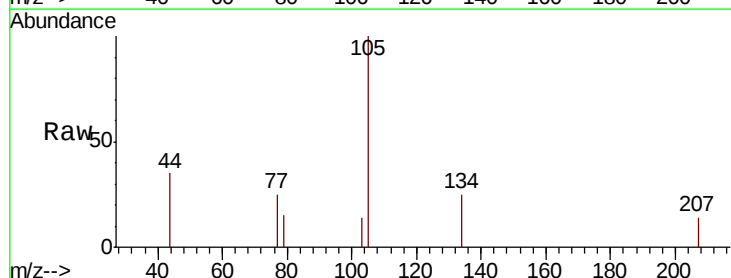
Acq: 10 Aug 2020 19:01

Tgt Ion:105 Resp: 1803

Ion Ratio Lower Upper

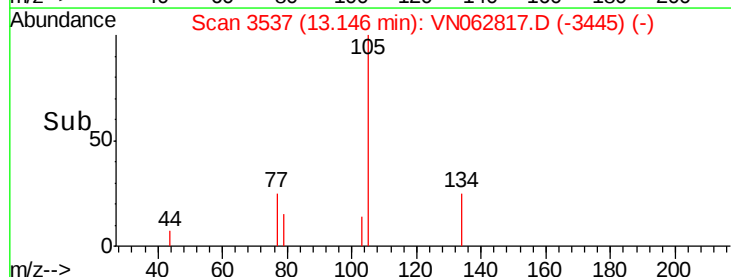
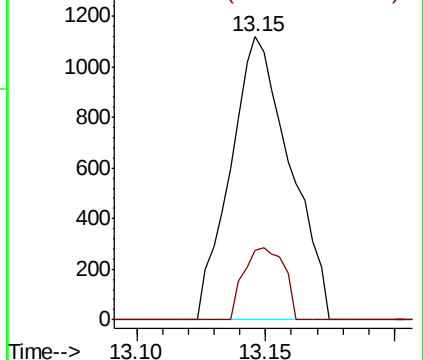
105 100

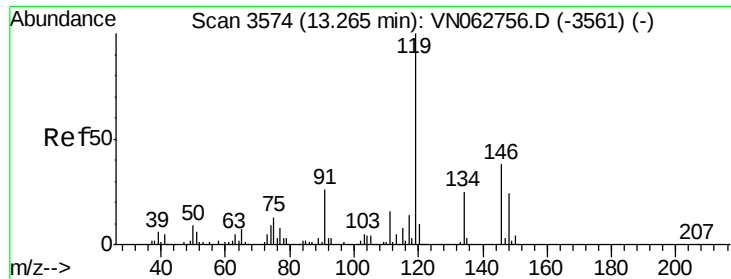
134 17.2 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

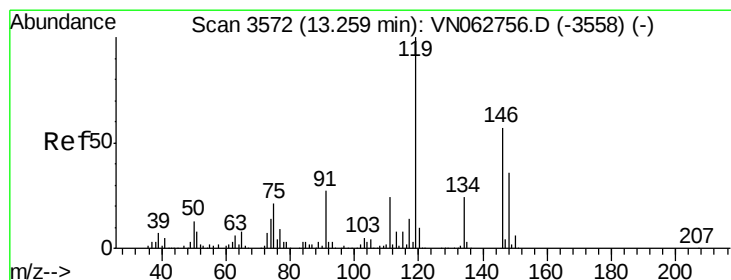
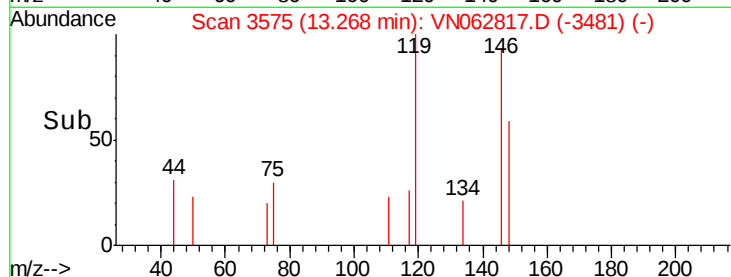
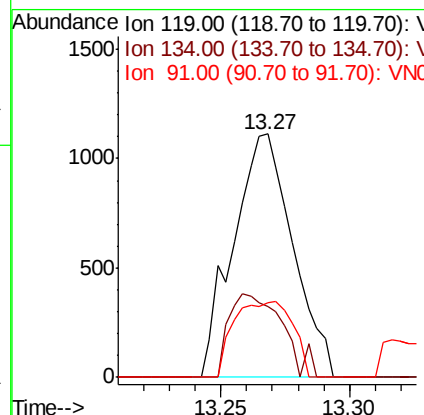
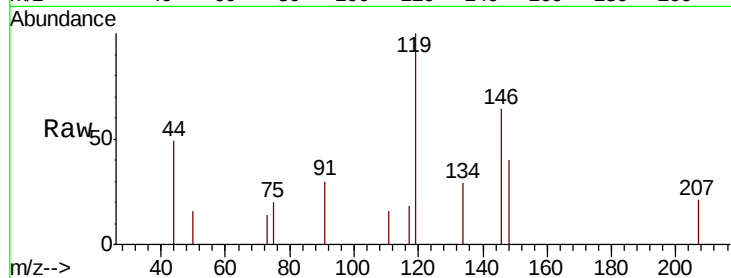




#86
 p-Isopropyltoluene
 Concen: 0.303 ug/l
 RT: 13.27 min Scan# 3575
 Delta R.T. 0.00 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

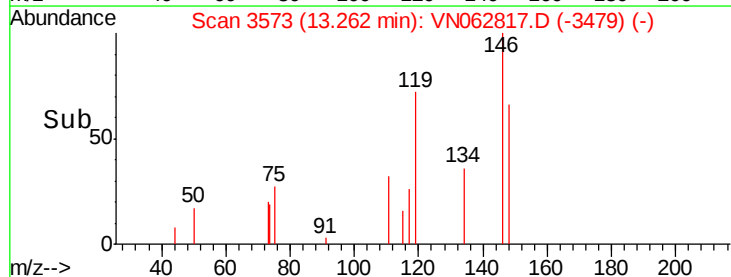
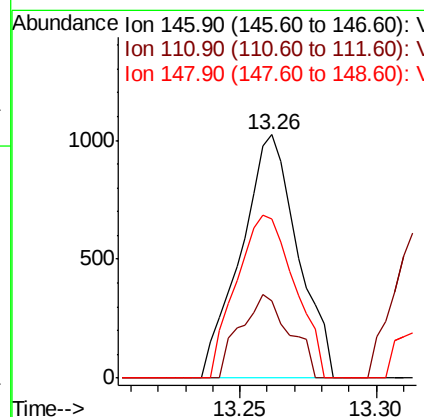
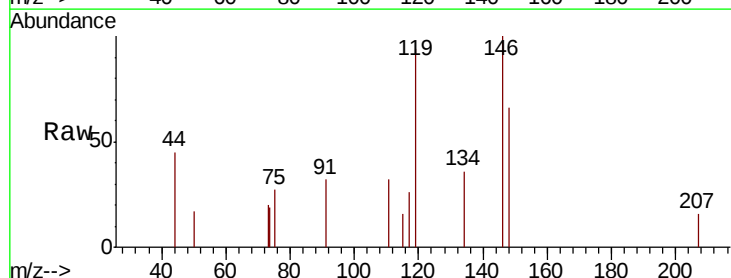
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130827TB

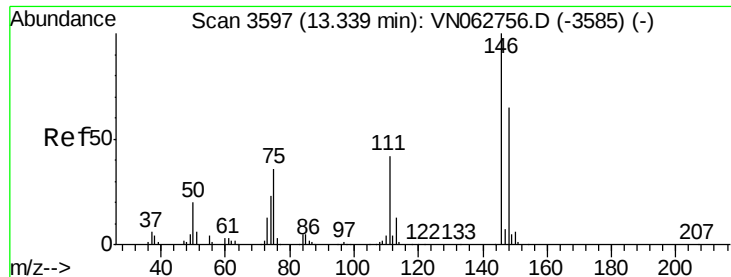
Tot Ion	Ratio	Lower	Upper
119	100		
134	30.8	12.6	37.8
91	30.7	13.4	40.2



#87
 1,3-Dichlorobenzene
 Concen: 0.483 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	30.1	21.7	65.1
148	68.9	31.4	94.2





#88

1,4-Dichlorobenzene

Concen: 0.481 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.08 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampled :

PB130827TB

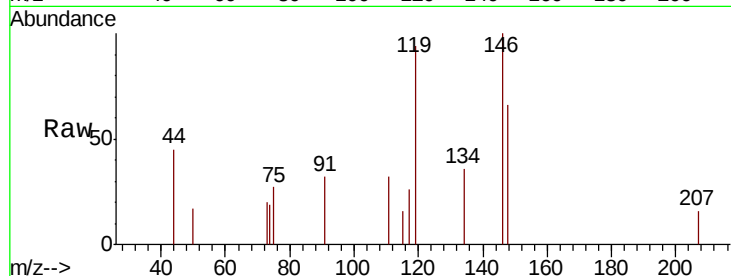
Tot Ion:146 Resp: 1474

Ion Ratio Lower Upper

146 100

111 30.1 21.6 64.6

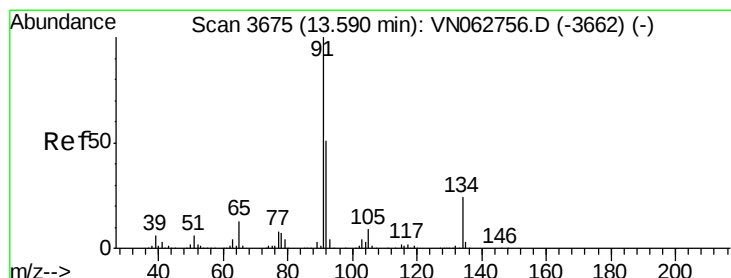
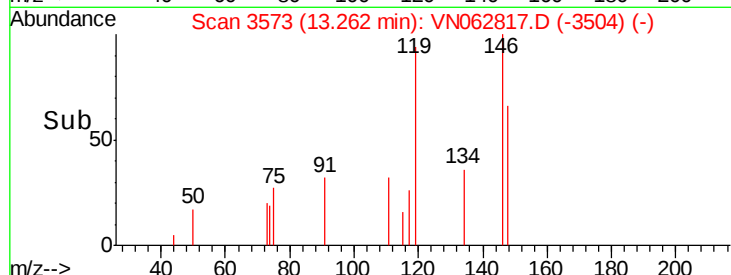
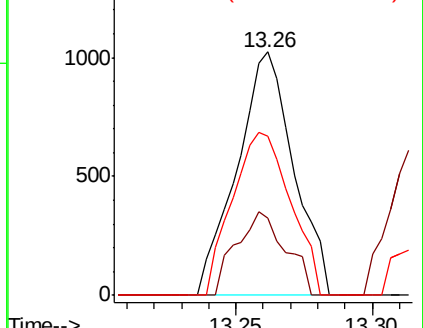
148 68.9 32.6 97.8



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: 0.691 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

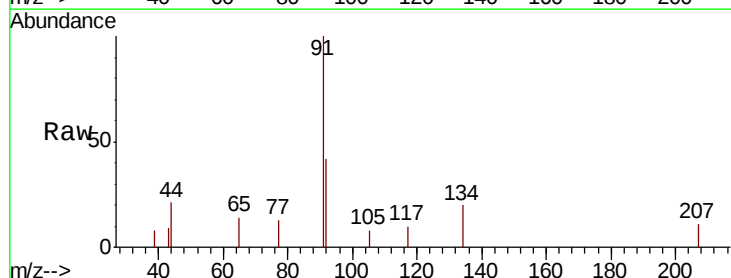
Tgt Ion: 91 Resp: 3441

Ion Ratio Lower Upper

91 100

92 45.2 25.7 77.0

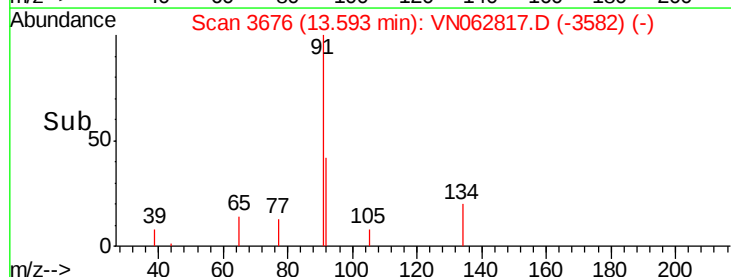
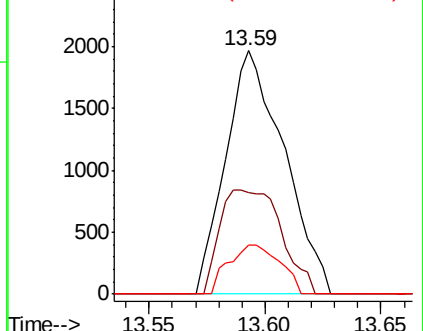
134 17.8 12.2 36.6

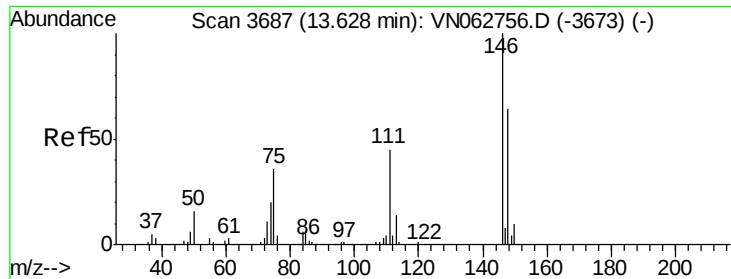


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

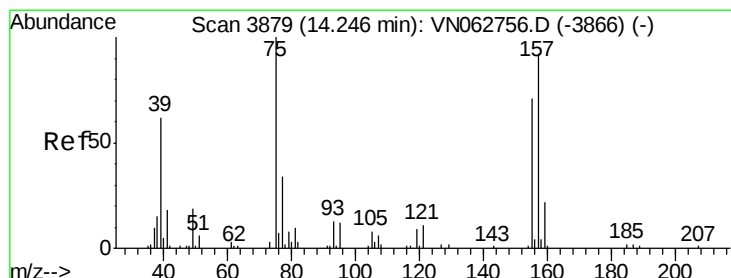
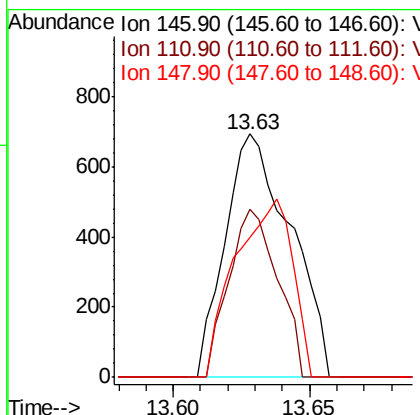
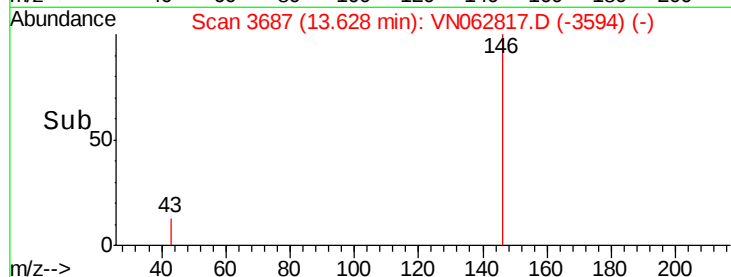
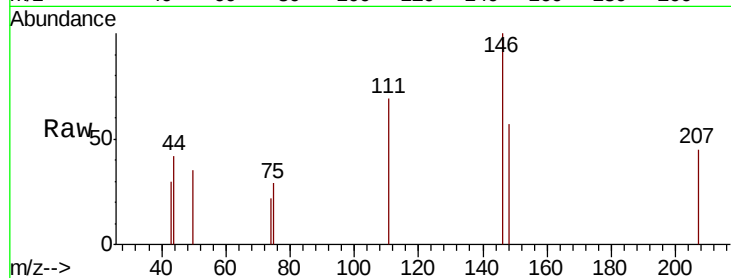




#91
 1,2-Dichlorobenzene
 Concen: 0.404 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

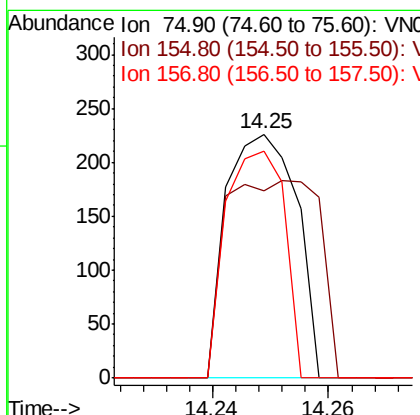
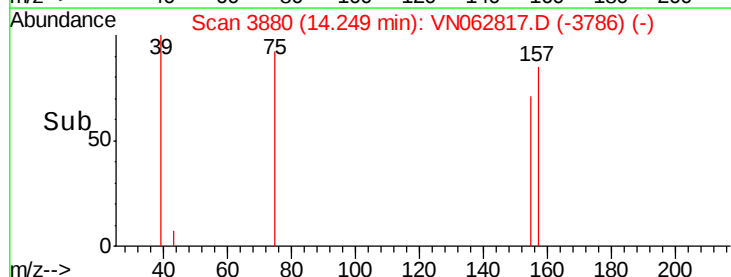
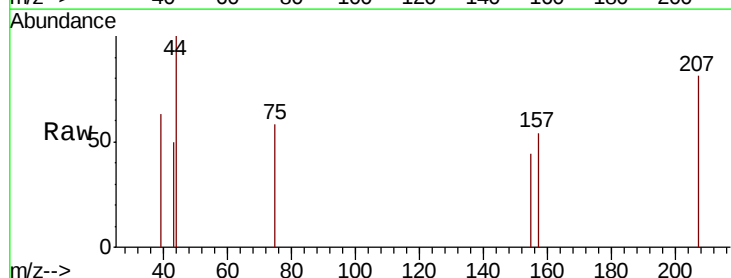
Instrument :
 MSVOA_N
 ClientSampled :
 PB130827TB

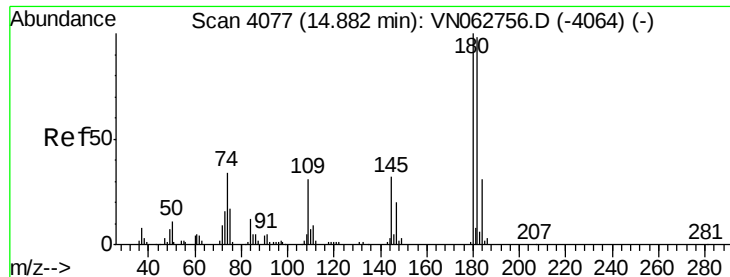
Tot Ion:146 Resp: 1156
 Ion Ratio Lower Upper
 146 100
 111 51.6 22.8 68.4
 148 64.3 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.364 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. 0.00 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

Tgt Ion: 75 Resp: 189
 Ion Ratio Lower Upper
 75 100
 155 107.4 35.0 105.1#
 157 77.2 43.2 129.6

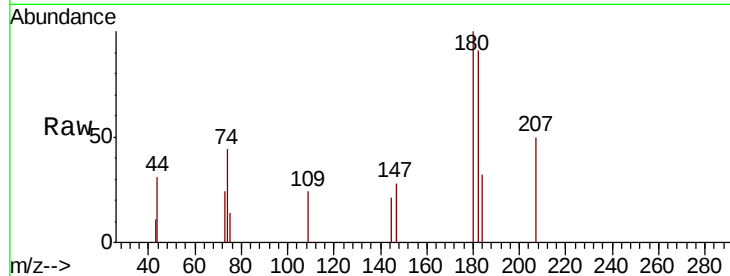




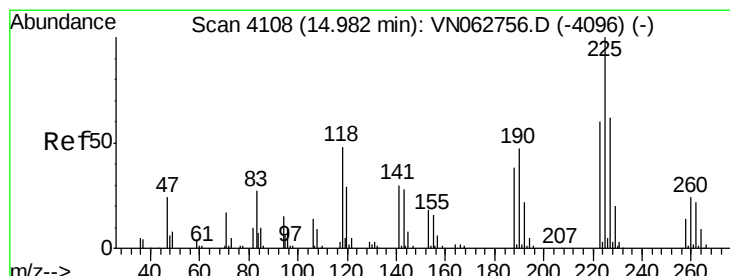
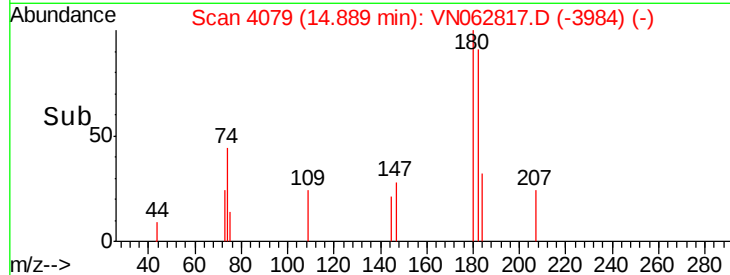
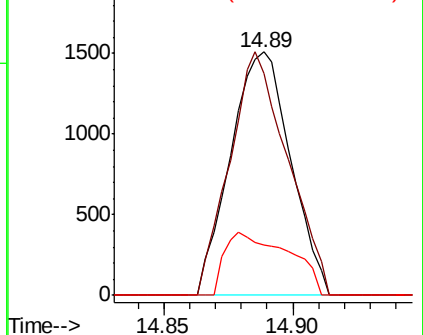
#93
 1,2,4-Trichlorobenzene
 Concen: 4.814 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

Instrument :
 MSVOA_N
 ClientSampled :
 PB130827TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	49.1	147.4
145	27.4	16.3	48.8

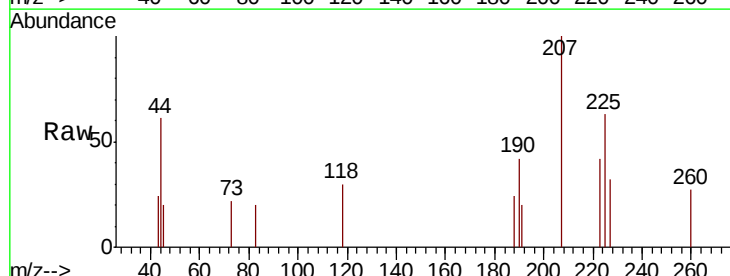


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

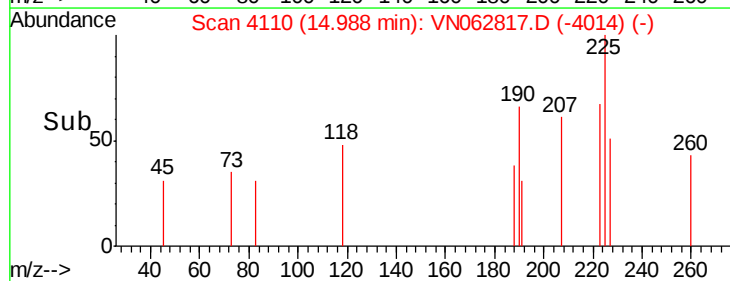
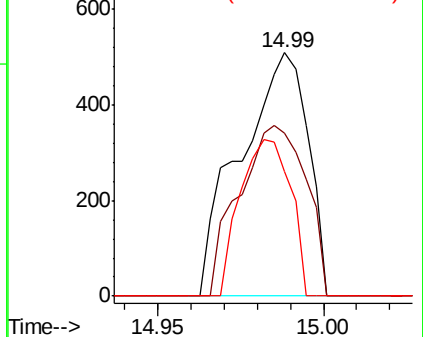


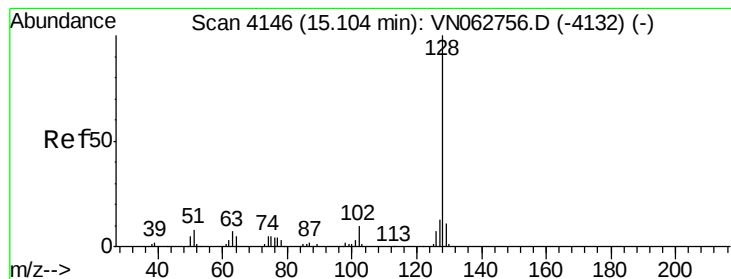
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 14.99 min Scan# 4110
 Delta R.T. 0.01 min
 Lab File: VN062817.D
 Acq: 10 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	69.4	30.6	92.0
227	47.6	31.6	95.0



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: 6.661 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

Instrument :

MSVOA_N

ClientSampled :

PB130827TB

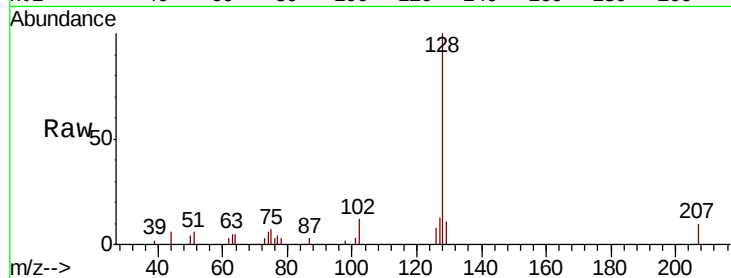
Tot Ion:128 Resp: 13394

Ion Ratio Lower Upper

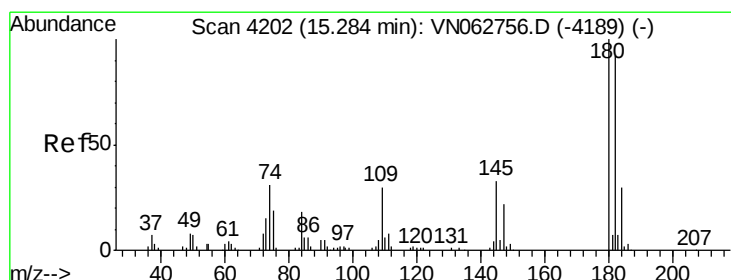
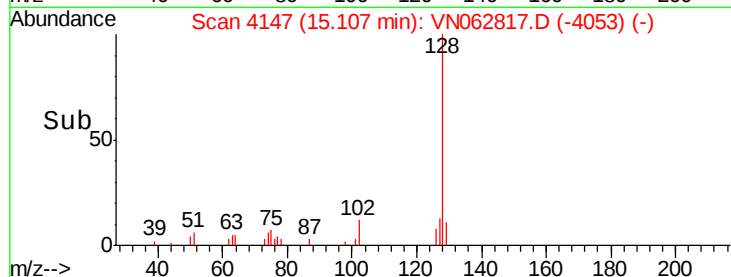
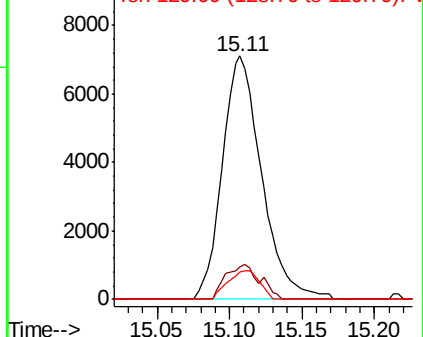
128 100

127 12.5 10.8 16.2

129 9.4 8.8 13.2



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: 4.827 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062817.D

Acq: 10 Aug 2020 19:01

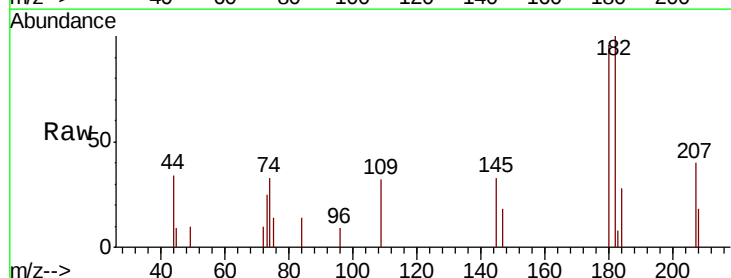
Tgt Ion:180 Resp: 3345

Ion Ratio Lower Upper

180 100

182 96.5 47.9 143.6

145 35.4 17.3 51.7



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

