

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081120\
 Data File : VN062831.D
 Acq On : 11 Aug 2020 15:30
 Operator : JC/MD
 Sample : PB130875ZHE#16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130875ZHE#16

Quant Time: Aug 11 21:22:18 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	122691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	217004	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	214310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	78343	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	103475	51.00	ug/l	0.00
Spiked Amount			Recovery	=	102.00%	
35) Dibromofluoromethane	7.55	113	74433	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	10.06	98	274518	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.38	95	99369	45.37	ug/l	0.00
Spiked Amount			Recovery	=	90.74%	

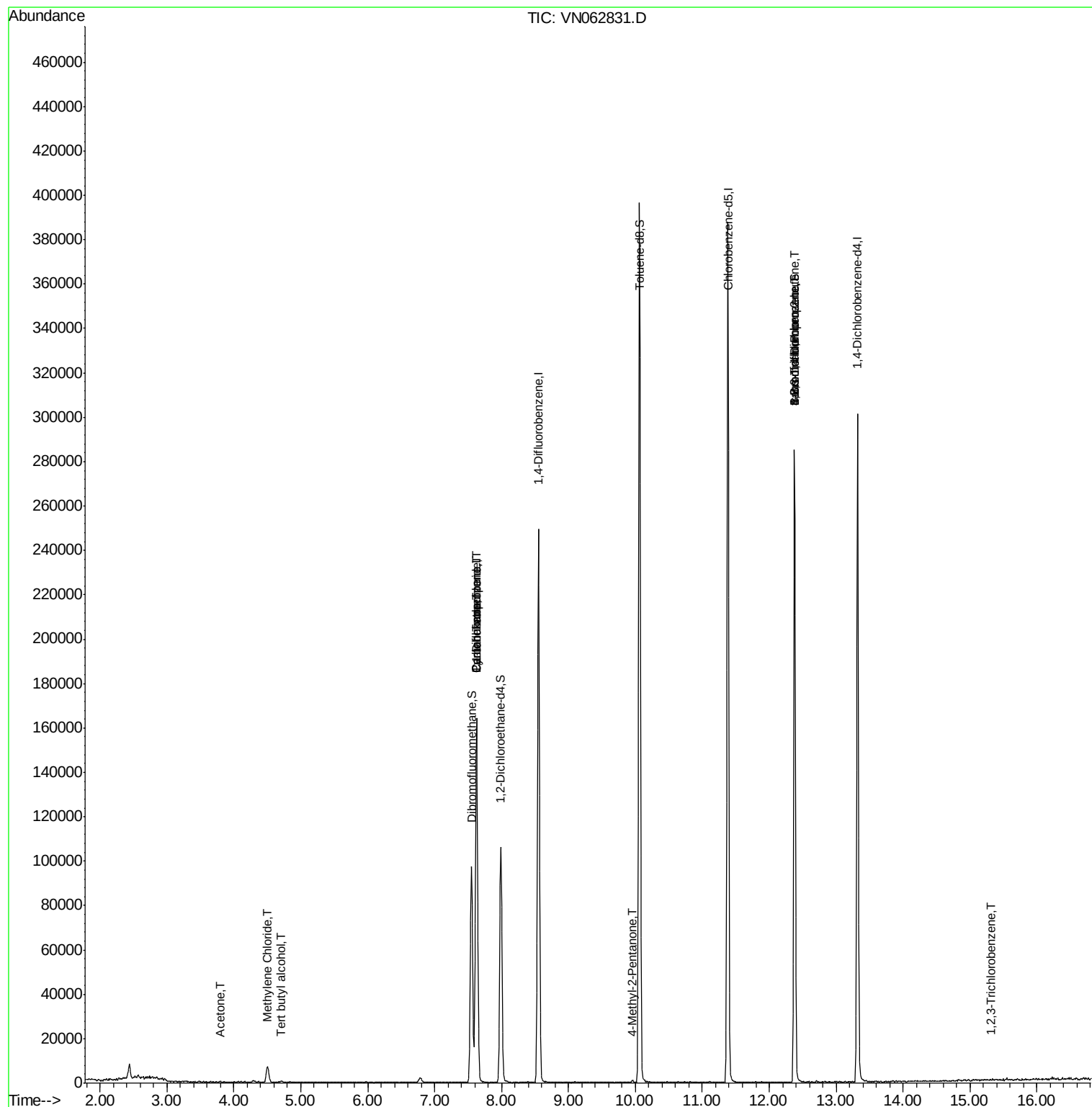
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.70	59	237	0.713	ug/l #	72
16) Acetone	3.78	43	248	0.338	ug/l #	45
17) Carbon Disulfide	4.00	76	117	Below Cal	#	74
18) Methyl Acetate	4.29	43	810	Below Cal	#	52
20) Methylene Chloride	4.50	84	5767	3.593	ug/l	87
31) Cyclohexane	7.62	56	3086	1.255	ug/l #	27
36) 1,1-Dichloropropene	7.63	75	10593	5.013	ug/l #	50
38) Carbon Tetrachloride	7.63	117	14177	5.673	ug/l #	15
51) 4-Methyl-2-Pentanone	9.95	43	1040	0.437	ug/l #	36
71) Bromoform	12.38	173	347	0.236	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	54148	25.628	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	54148	78.236	ug/l #	10
96) 1,2,3-Trichlorobenzene	15.31	180	31	2.763	ug/l #	12

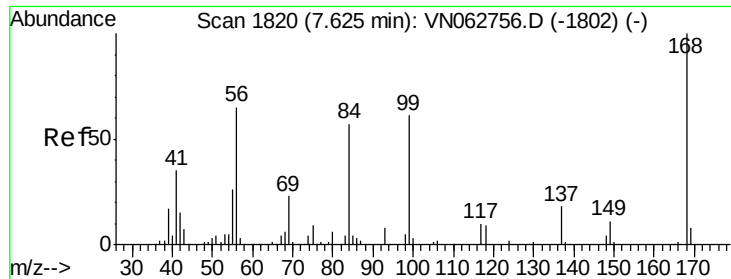
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN062831.D

Acq: 11 Aug 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

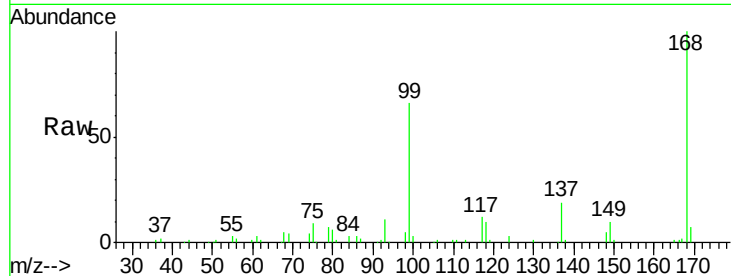
PB130875ZHE#16

Tgt Ion:168 Resp: 122691

Ion Ratio Lower Upper

168 100

99 66.1 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

60000

50000

40000

30000

20000

10000

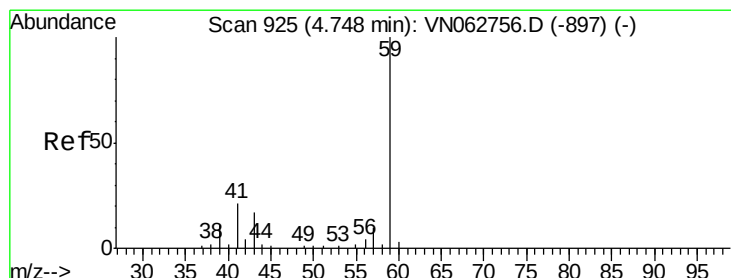
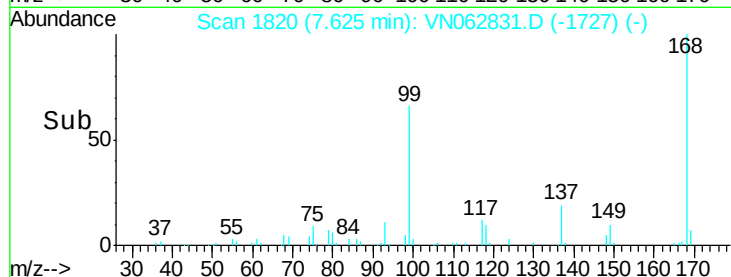
0

7.50

7.60

7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.713 ug/l

RT: 4.70 min Scan# 910

Delta R.T. -0.05 min

Lab File: VN062831.D

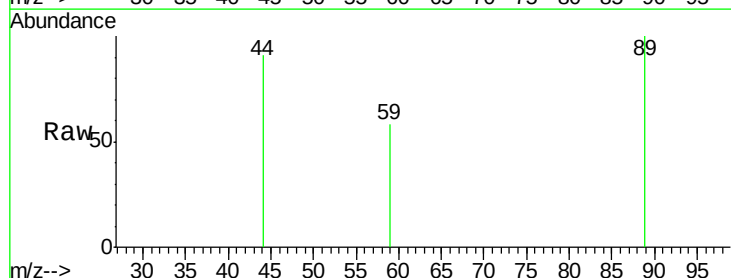
Acq: 11 Aug 2020 15:30

Tgt Ion: 59 Resp: 237

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

250

200

150

100

50

0

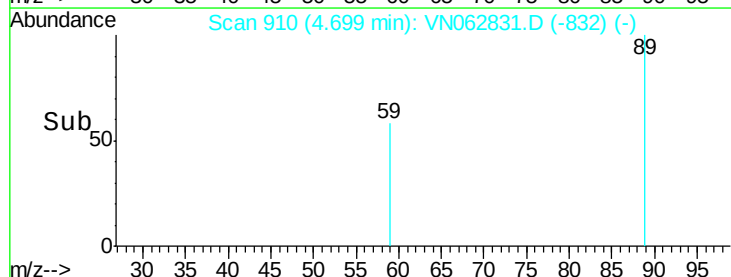
4.68

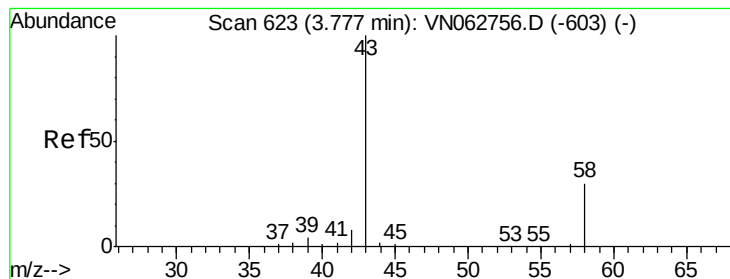
4.69

4.70

4.71

Time-->





#16

Acetone

Concen: 0.338 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062831.D

Acq: 11 Aug 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

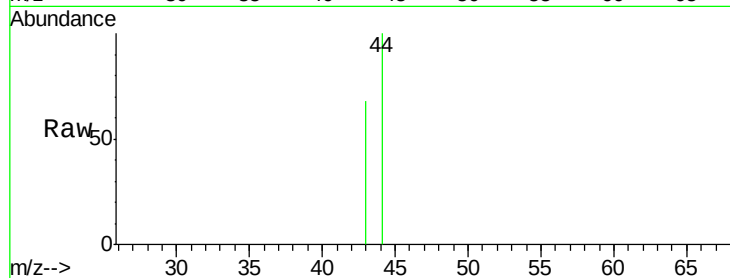
PB130875ZHE#16

Tgt Ion: 43 Resp: 248

Ion Ratio Lower Upper

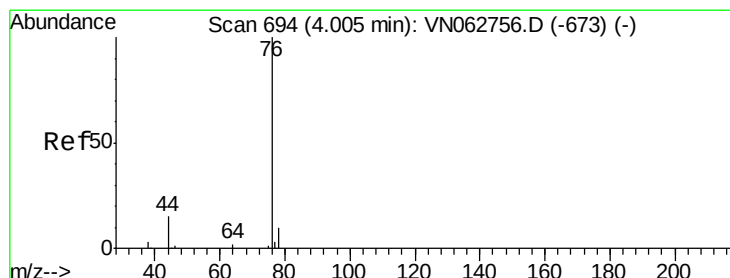
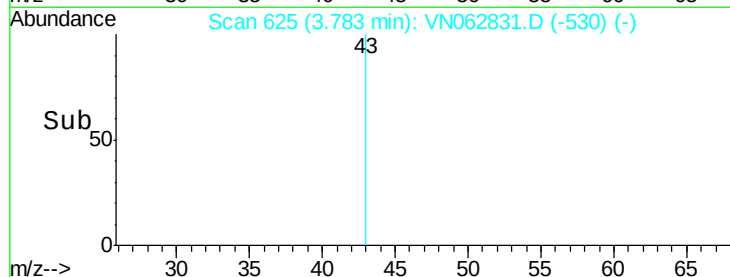
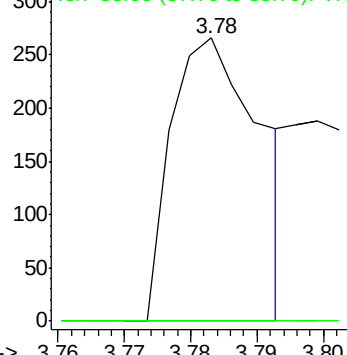
43 100

58 0.0 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.00 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN062831.D

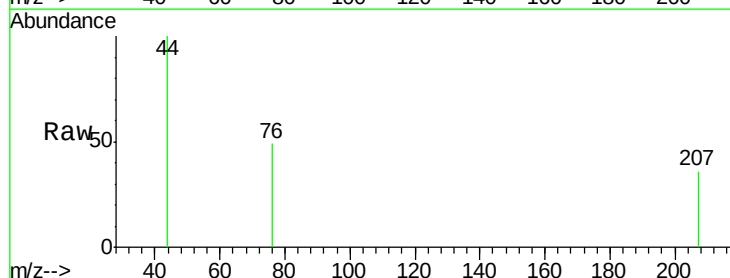
Acq: 11 Aug 2020 15:30

Tgt Ion: 76 Resp: 117

Ion Ratio Lower Upper

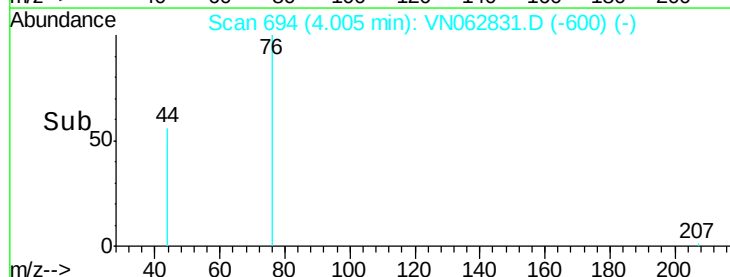
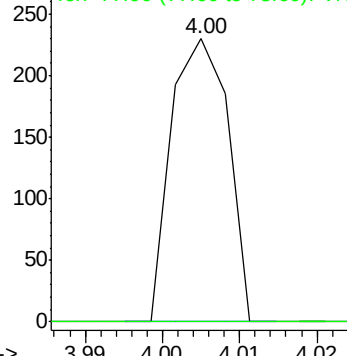
76 100

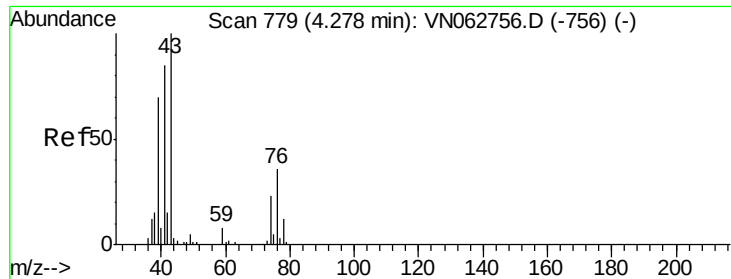
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

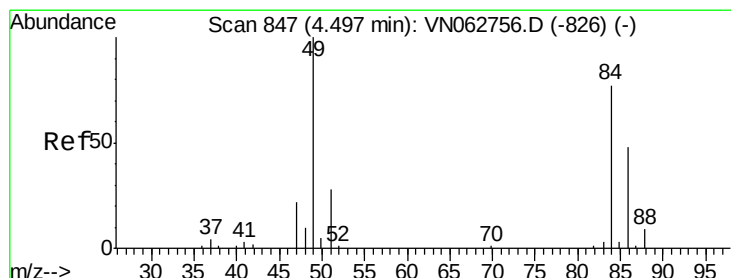
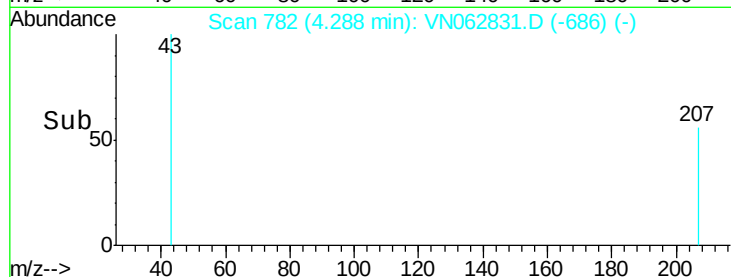
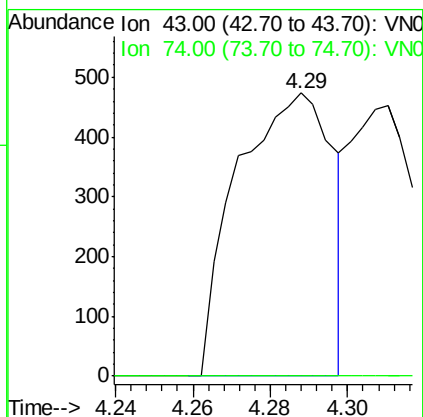
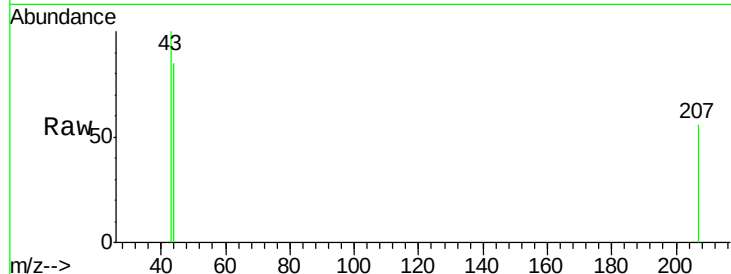




#18
Methyl Acetate
Concen: Below Cal
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN062831.D
Acq: 11 Aug 2020 15:30

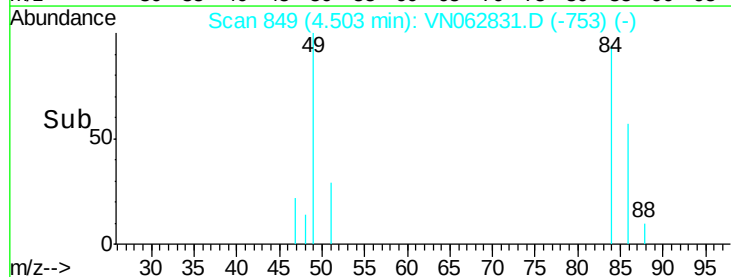
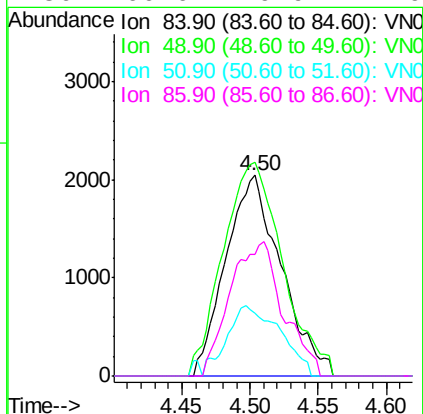
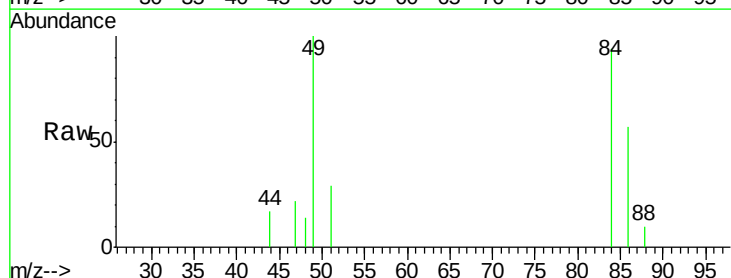
Instrument :
MSVOA_N
ClientSampleId :
PB130875ZHE#16

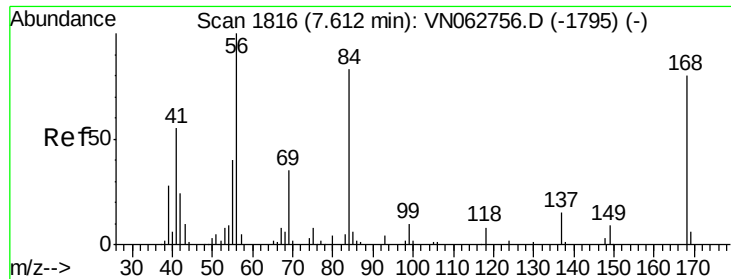
Tgt Ion: 43 Resp: 810
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: 3.593 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.01 min
Lab File: VN062831.D
Acq: 11 Aug 2020 15:30

Tgt Ion: 84 Resp: 5767
Ion Ratio Lower Upper
84 100
49 106.5 103.4 155.2
51 31.2 29.3 43.9
86 60.6 49.9 74.9

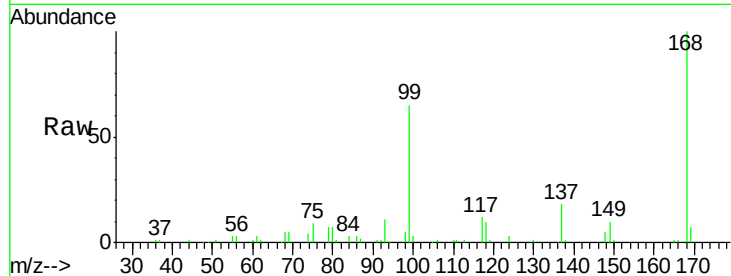




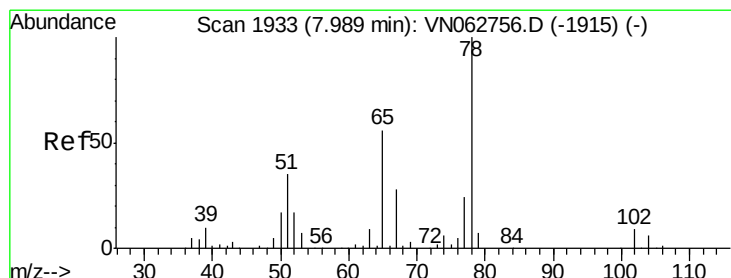
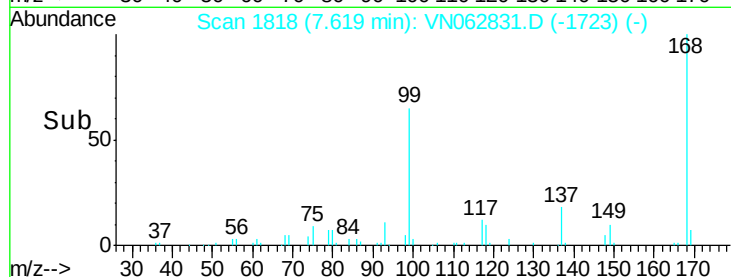
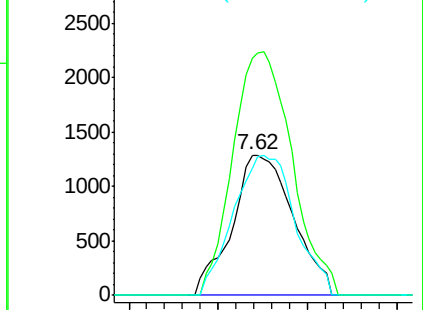
#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062831.D
Acq: 11 Aug 2020 15:30

Instrument :
MSVOA_N
ClientSampleId :
PB130875ZHE#16

Tgt Ion: 56 Resp: 3086
Ion Ratio Lower Upper
56 100
69 168.5 28.1 42.1#
84 90.6 66.8 100.2

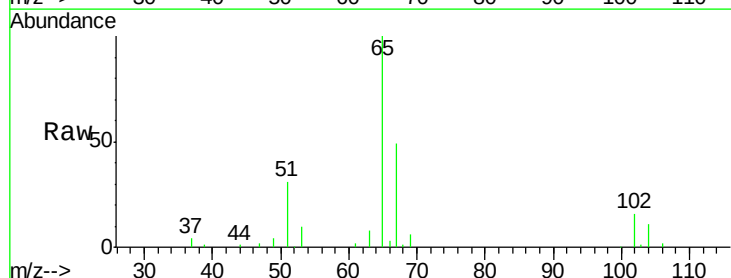


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

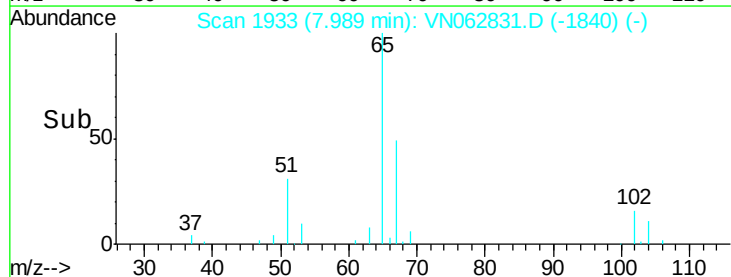
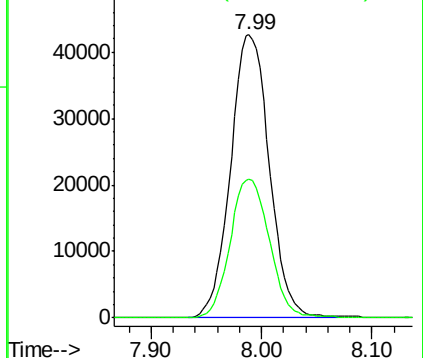


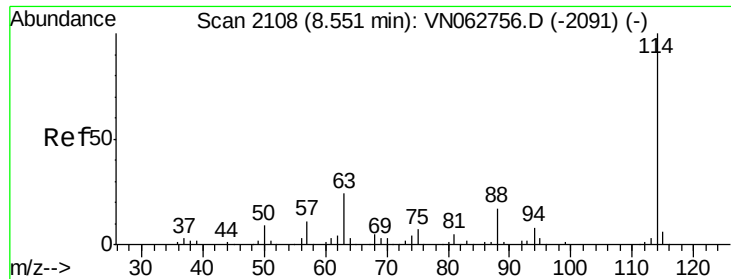
#33
1,2-Dichloroethane-d4
Concen: 51.000 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062831.D
Acq: 11 Aug 2020 15:30

Tgt Ion: 65 Resp: 103475
Ion Ratio Lower Upper
65 100
67 50.0 0.0 101.4



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

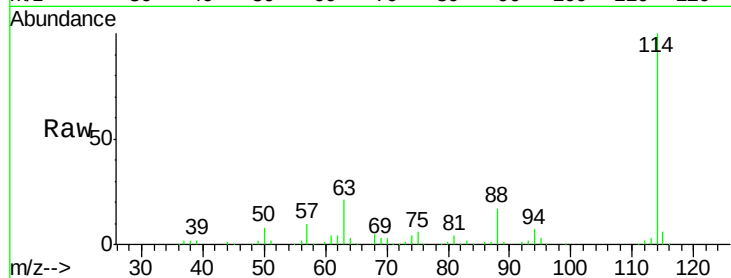




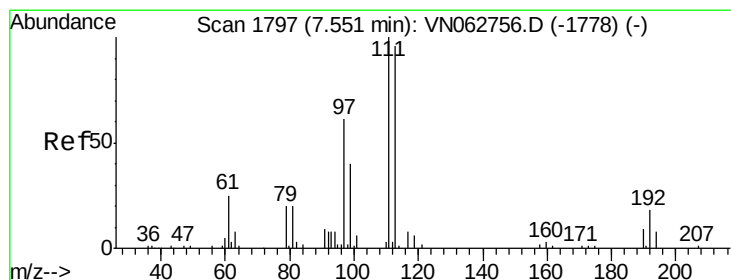
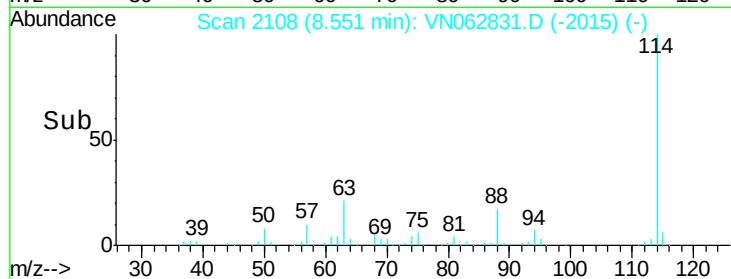
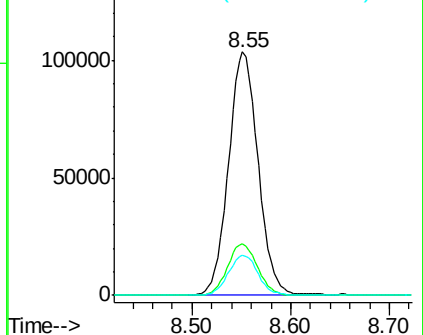
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062831.D
Acq: 11 Aug 2020 15:30

Instrument :
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ClientSampleId :
PB130875ZHE#16

Tgt Ion:114 Resp: 217004
Ion Ratio Lower Upper
114 100
63 21.0 0.0 47.6
88 16.5 0.0 34.4

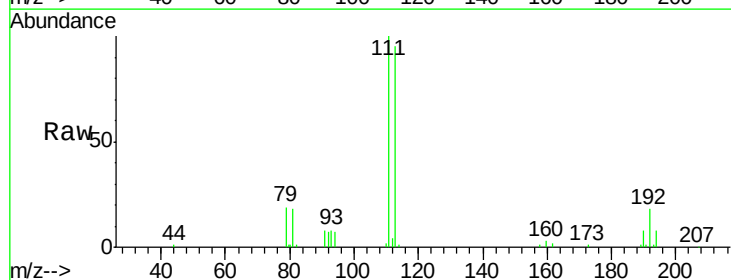


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

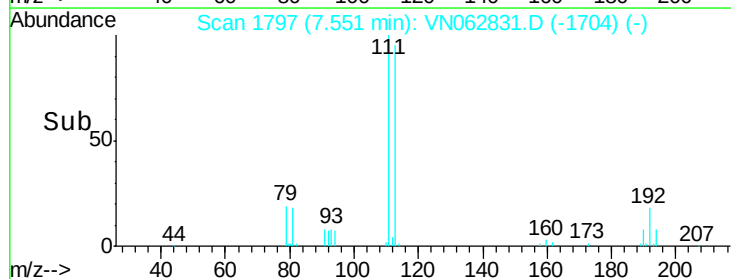
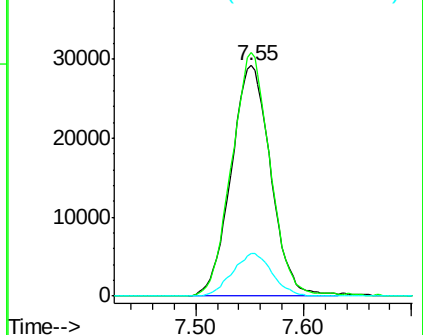


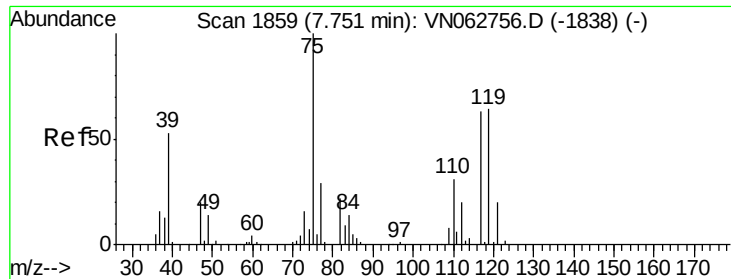
#35
Dibromofluoromethane
Concen: 50.142 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062831.D
Acq: 11 Aug 2020 15:30

Tgt Ion:113 Resp: 74433
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 18.4 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

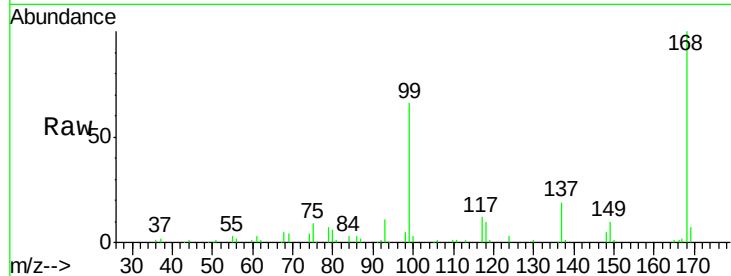




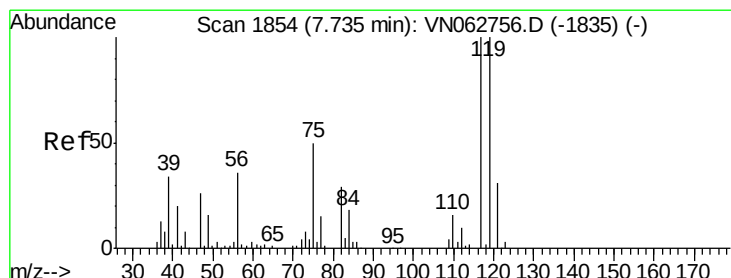
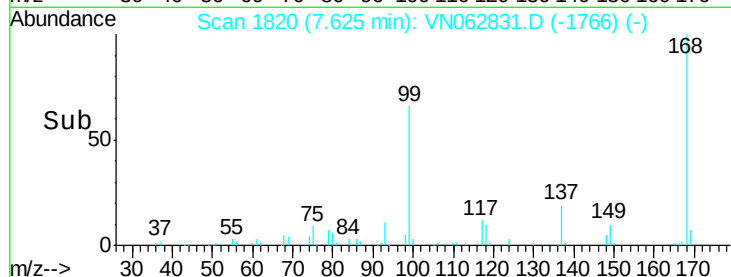
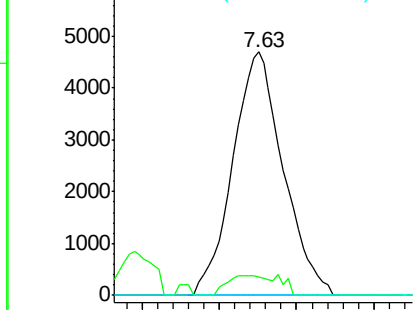
#36
 1,1-Dichloropropene
 Concen: 5.013 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062831.D
 Acq: 11 Aug 2020 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130875ZHE#16

Tgt Ion: 75 Resp: 10593
 Ion Ratio Lower Upper
 75 100
 110 6.8 15.6 46.7#
 77 0.0 24.1 36.1#

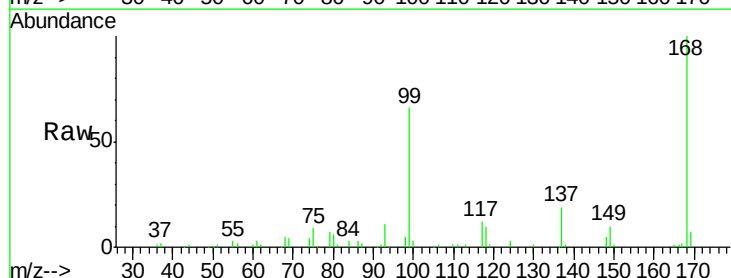


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

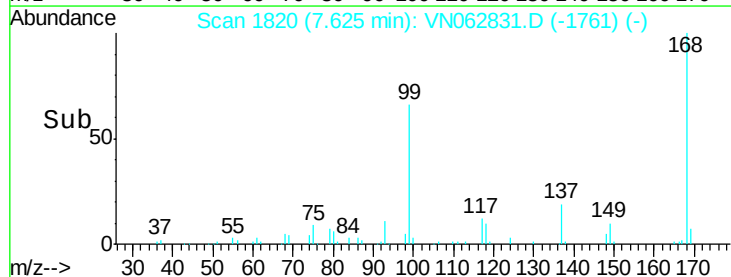
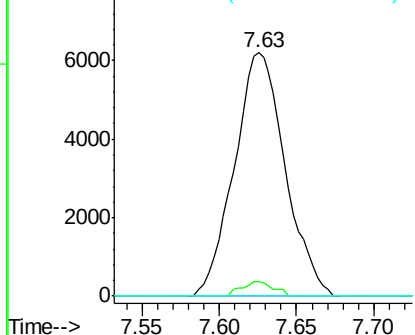


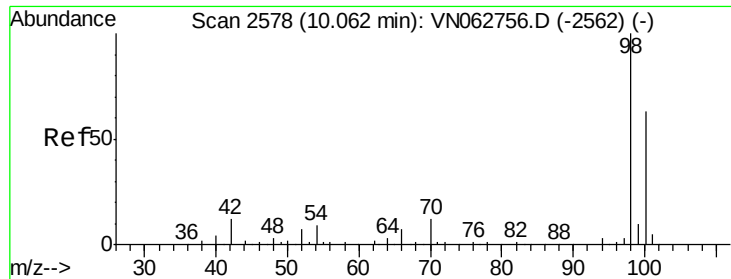
#38
 Carbon Tetrachloride
 Concen: 5.673 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062831.D
 Acq: 11 Aug 2020 15:30

Tgt Ion: 117 Resp: 14177
 Ion Ratio Lower Upper
 117 100
 119 5.9 79.4 119.2#
 121 0.0 24.9 37.3#



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

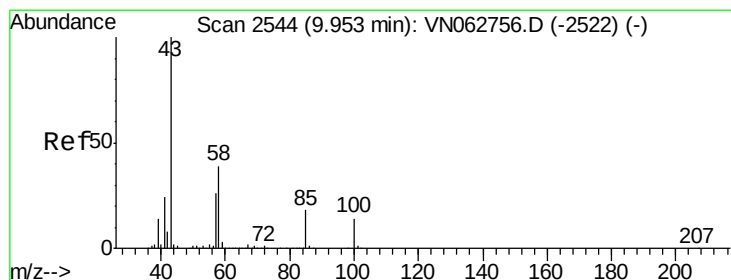
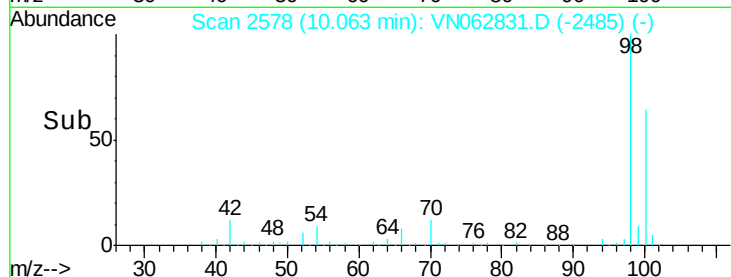
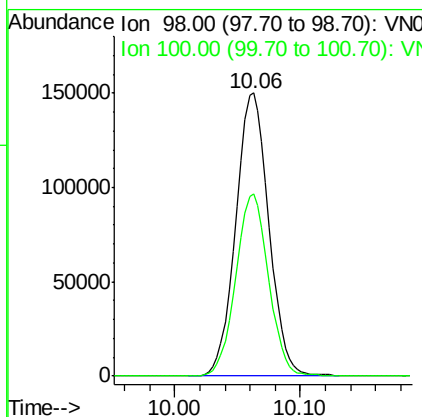
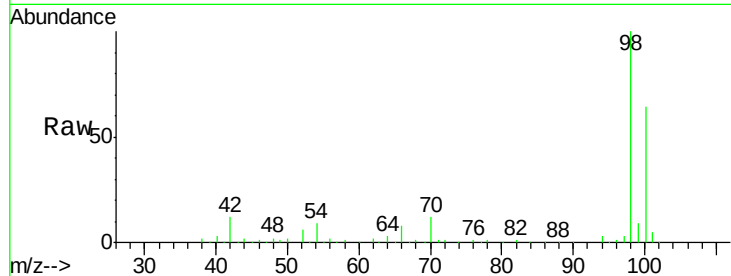




#50
Toluene-d8
Concen: 47.369 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN062831.D
Acq: 11 Aug 2020 15:30

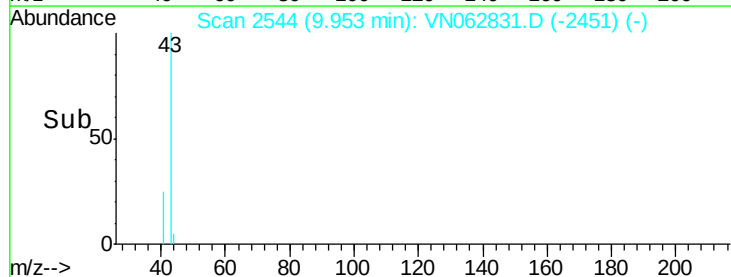
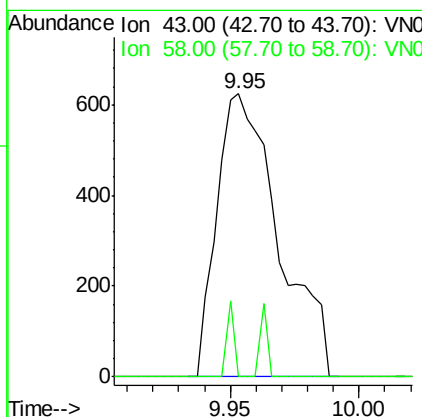
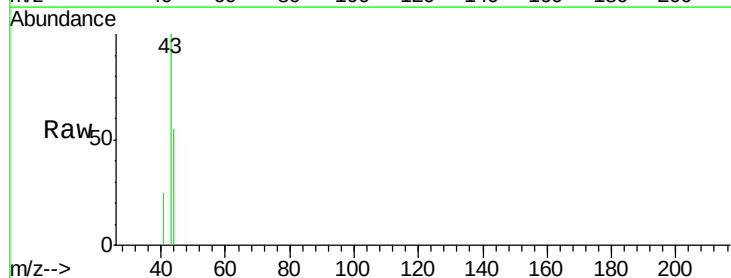
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MSVOA_N
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PB130875ZHE#16

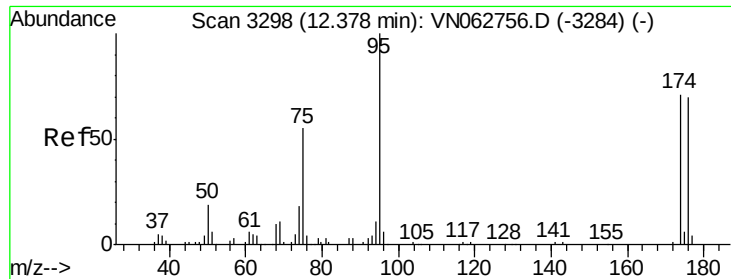
Tgt Ion: 98 Resp: 274518
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 0.437 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062831.D
Acq: 11 Aug 2020 15:30

Tgt Ion: 43 Resp: 1040
Ion Ratio Lower Upper
43 100
58 0.0 31.1 46.7#

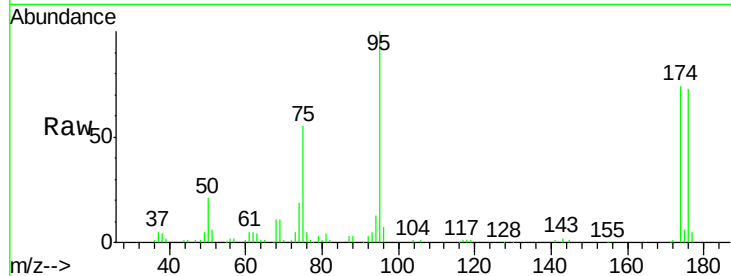




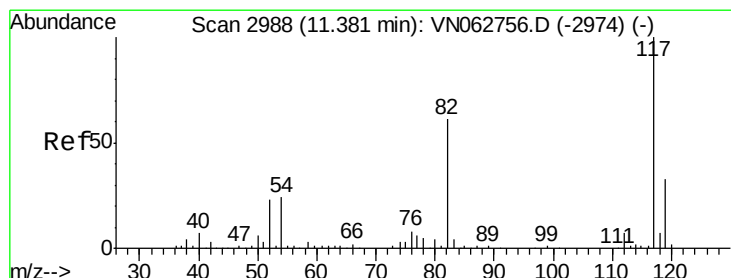
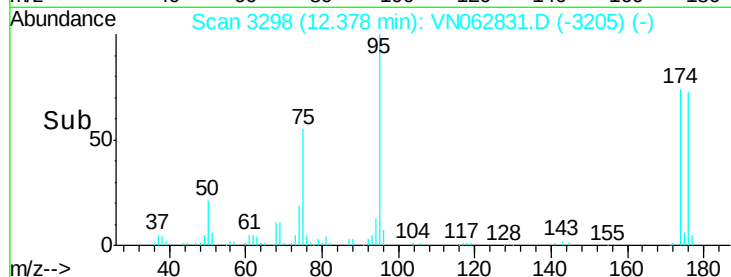
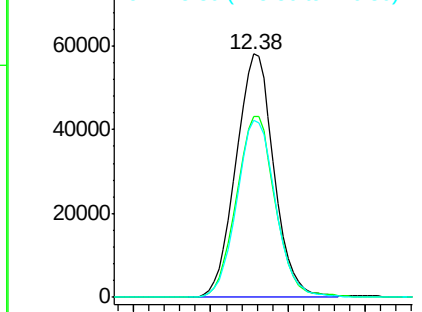
#62
 4-Bromofluorobenzene
 Concen: 45.373 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062831.D
 Acq: 11 Aug 2020 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130875ZHE#16

Tgt Ion: 95 Resp: 99369
 Ion Ratio Lower Upper
 95 100
 174 76.1 0.0 144.8
 176 74.3 0.0 142.2

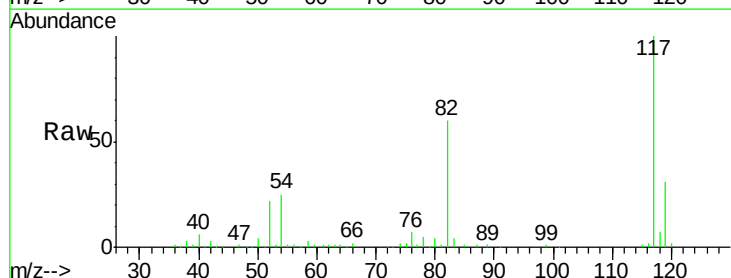


Abundance Ion 94.90 (94.60 to 95.60): VN062831.D (-3205) (-)
 Ion 173.80 (173.50 to 174.50): VN062831.D (-3205) (-)
 Ion 175.80 (175.50 to 176.50): VN062831.D (-3205) (-)

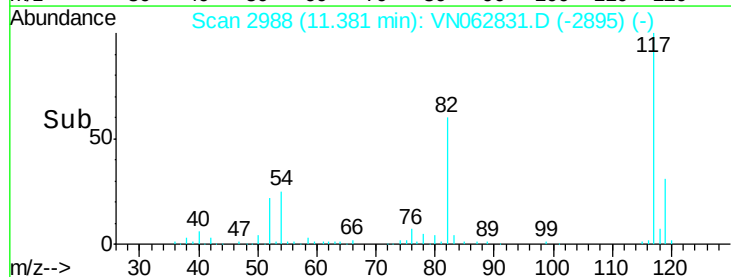
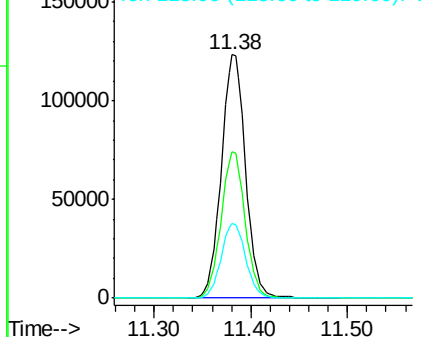


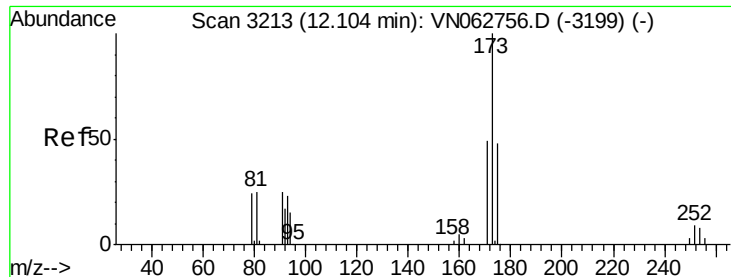
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. 0.00 min
 Lab File: VN062831.D
 Acq: 11 Aug 2020 15:30

Tgt Ion: 117 Resp: 214310
 Ion Ratio Lower Upper
 117 100
 82 60.2 49.0 73.4
 119 30.9 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): VN062831.D (-2895) (-)
 Ion 82.00 (81.70 to 82.70): VN062831.D (-2895) (-)
 Ion 118.90 (118.60 to 119.60): VN062831.D (-2895) (-)





#71

Bromoform

Concen: 0.236 ug/l

RT: 12.38 min Scan# 3300

Delta R.T. 0.28 min

Lab File: VN062831.D

Acq: 11 Aug 2020 15:30

Instrument :

MSVOA_N

ClientSampleId :

PB130875ZHE#16

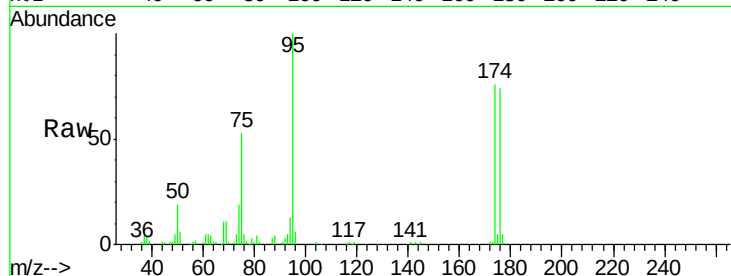
Tgt Ion:173 Resp: 347

Ion Ratio Lower Upper

173 100

175 1402.9 24.0 72.0#

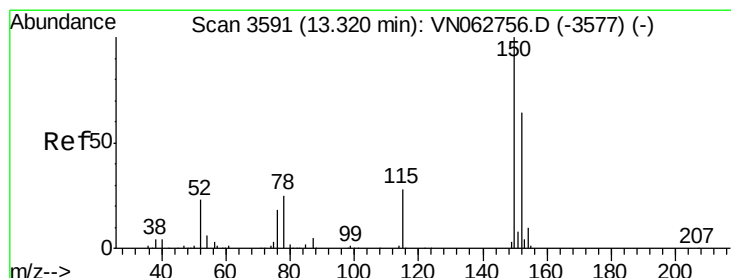
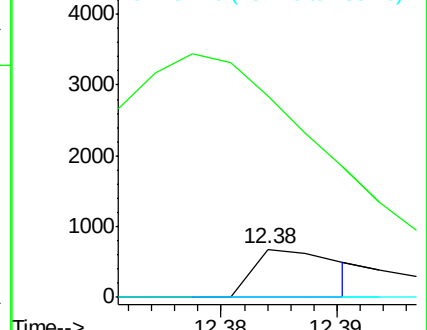
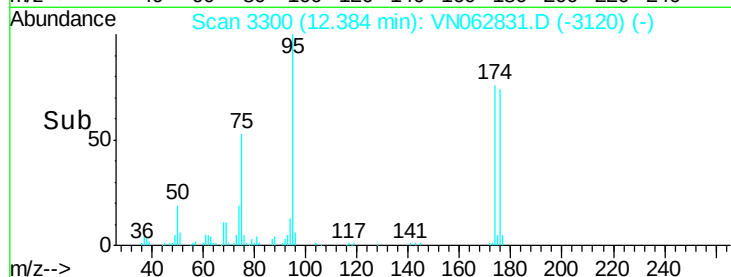
254 0.0 0.0 0.0



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: VN062831.D

Acq: 11 Aug 2020 15:30

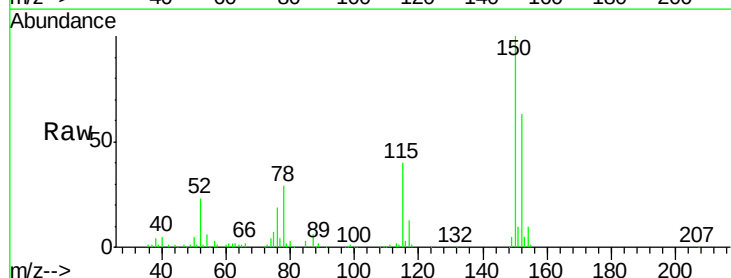
Tgt Ion:152 Resp: 78343

Ion Ratio Lower Upper

152 100

115 64.7 31.6 94.8

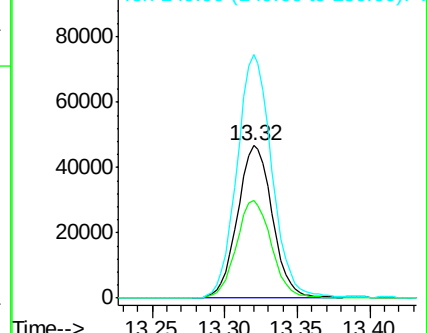
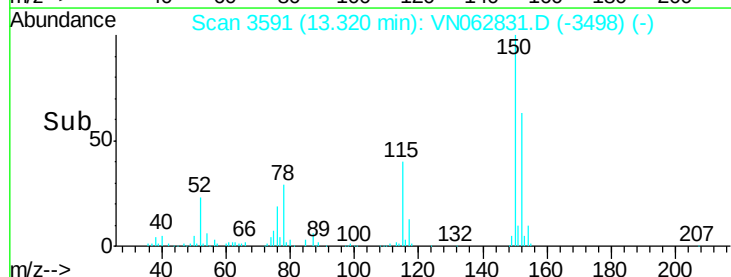
150 160.2 0.0 349.2

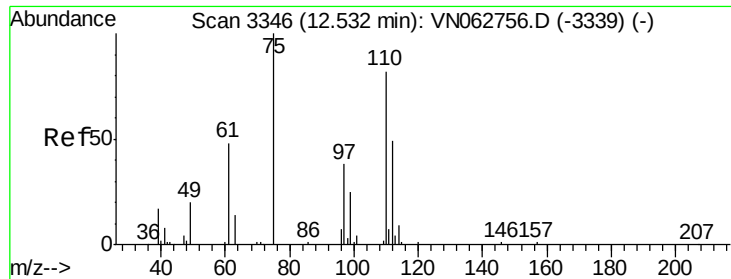


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

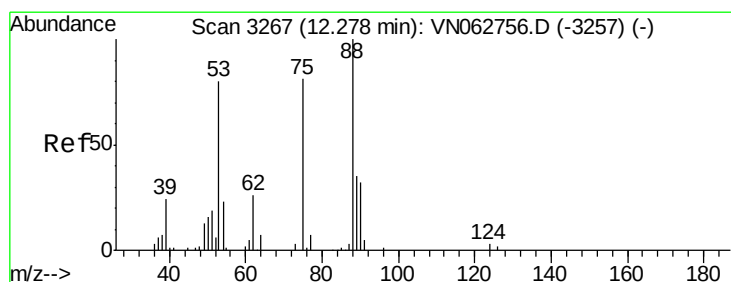
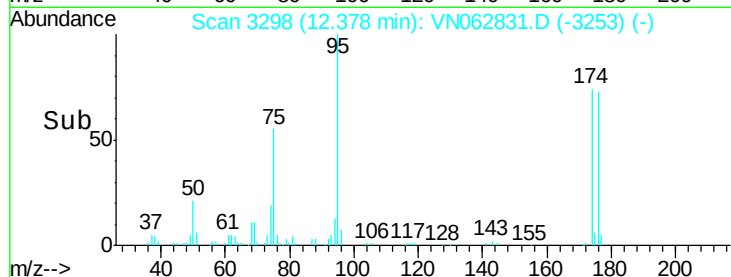
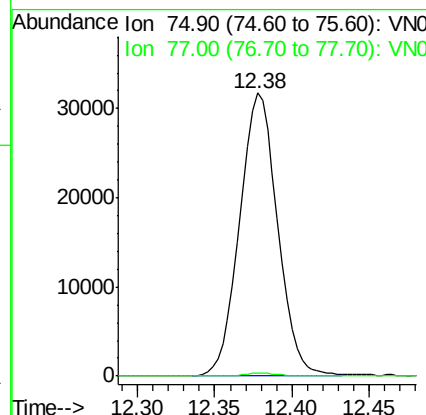
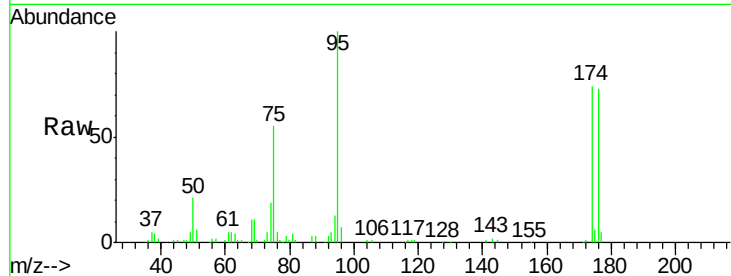




#76
 1,2,3-Trichloropropane
 Concen: 25.628 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062831.D
 Acq: 11 Aug 2020 15:30

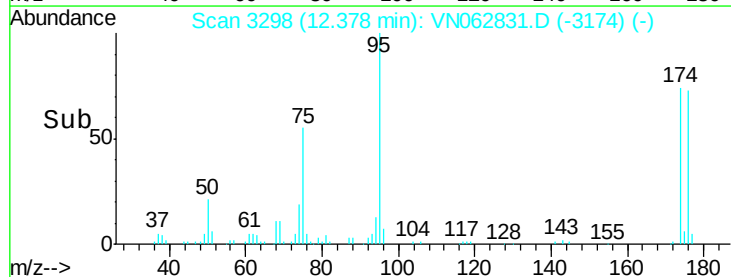
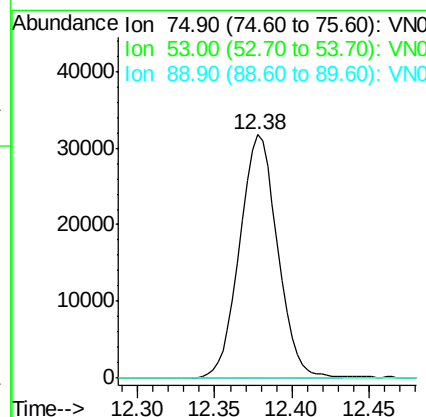
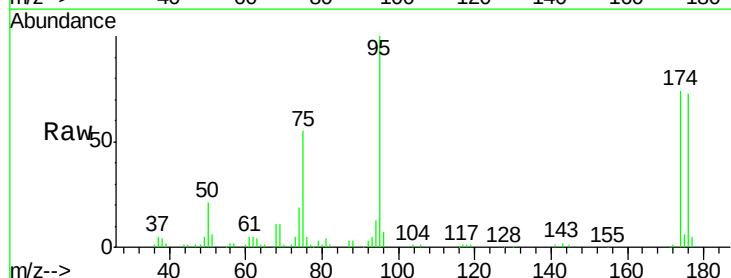
Instrument :
 MSVOA_N
 ClientSampleId :
 PB130875ZHE#16

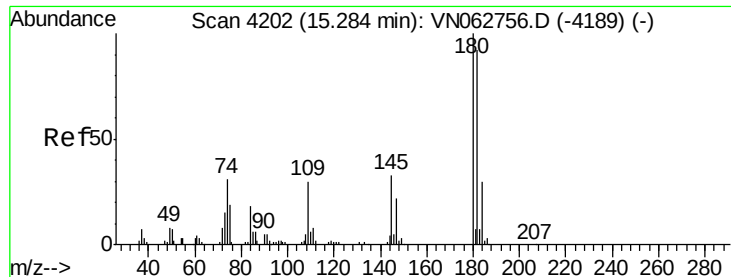
Tgt Ion: 75 Resp: 54148
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.236 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062831.D
 Acq: 11 Aug 2020 15:30

Tgt Ion: 75 Resp: 54148
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.1 118.7#
 89 0.0 36.2 54.2#

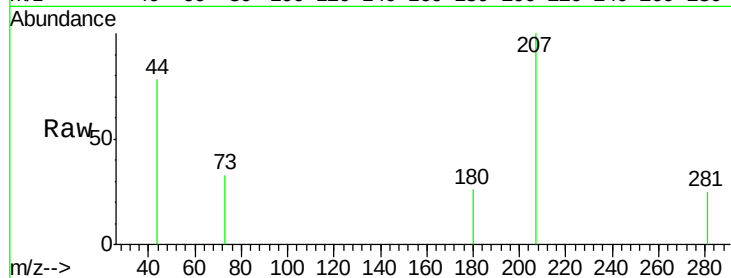




#96
 1,2,3-Trichlorobenzene
 Concen: 2.763 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. 0.02 min
 Lab File: VN062831.D
 Acq: 11 Aug 2020 15:30

Instrument :
 MSVOA_N
 ClientSampleId :
 PB130875ZHE#16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.9	143.6#
145	0.0	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

