

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071520\
 Data File : VN062531.D
 Acq On : 15 Jul 2020 13:19
 Operator : JC/MD
 Sample : PB130208TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 16 01:04:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 10 00:55:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	200580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	349470	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	338535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	122577	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	150687	48.84	ug/l	0.00
Spiked Amount						
			Recovery	=	97.68%	
35) Dibromofluoromethane	7.55	113	111883	51.79	ug/l	0.00
Spiked Amount						
			Recovery	=	103.58%	
50) Toluene-d8	10.06	98	451240	52.91	ug/l	0.00
Spiked Amount						
			Recovery	=	105.82%	
62) 4-Bromofluorobenzene	12.38	95	160988	51.66	ug/l	0.00
Spiked Amount						
			Recovery	=	103.32%	

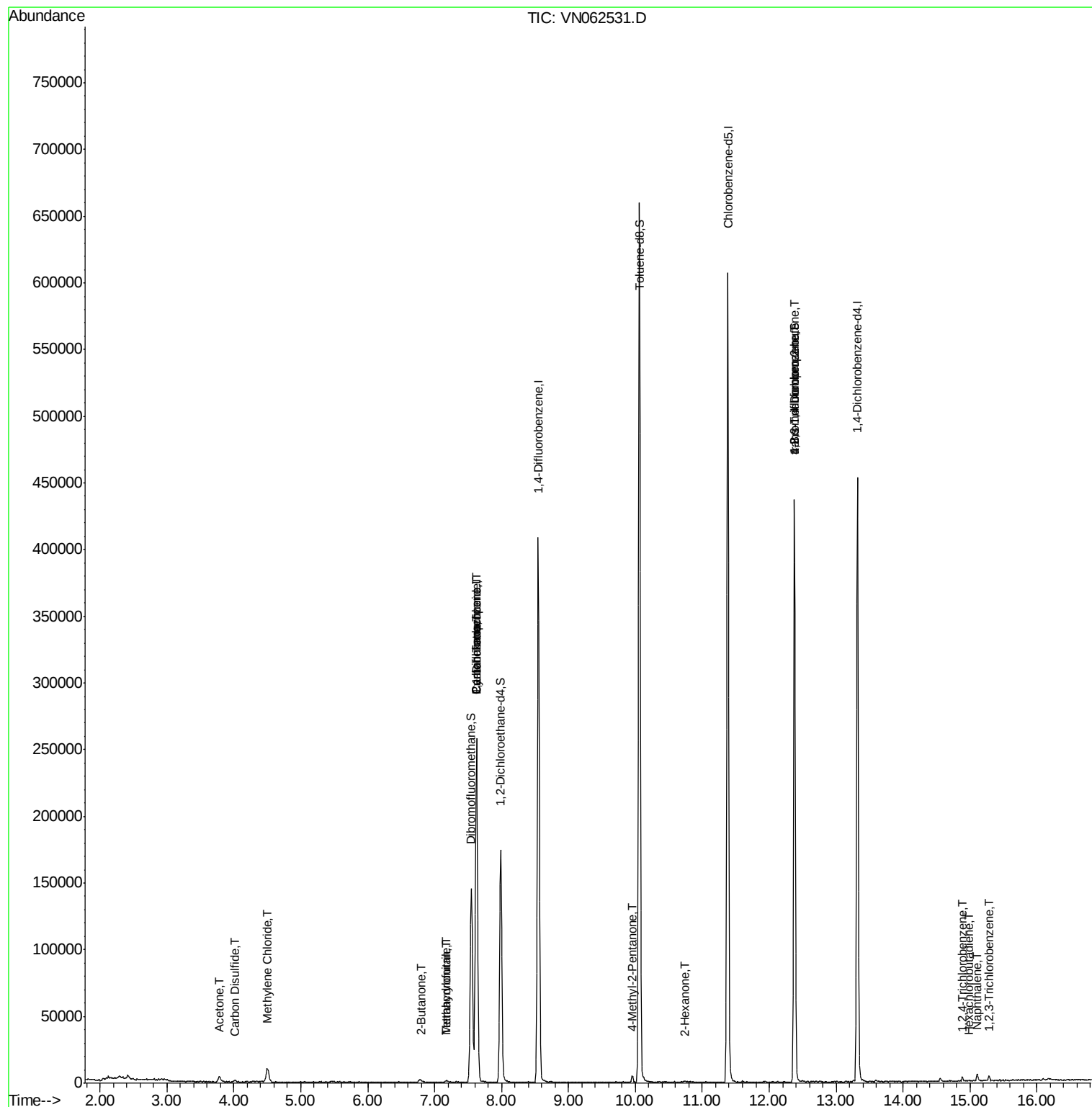
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	7679	5.863	ug/l	99
17) Carbon Disulfide	4.01	76	1707	0.265	ug/l #	75
20) Methylene Chloride	4.50	84	7346	2.623	ug/l	90
25) 2-Butanone	6.80	43	1532	0.801	ug/l #	53
29) Tetrahydrofuran	7.17	42	1183	0.919	ug/l #	72
31) Cyclohexane	7.62	56	4418	0.943	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	16890	4.797	ug/l #	52
38) Carbon Tetrachloride	7.63	117	20460	6.464	ug/l #	16
41) Methacrylonitrile	7.18	41	828	0.481	ug/l #	19
51) 4-Methyl-2-Pentanone	9.95	43	3718	0.957	ug/l	98
59) 2-Hexanone	10.73	43	1110	0.394	ug/l	80
76) 1,2,3-Trichloropropane	12.37	75	84081	27.956	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	84081	74.827	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.89	180	1098	4.335	ug/l	96
94) Hexachlorobutadiene	14.98	225	227	0.238	ug/l #	27
95) Naphthalene	15.11	128	5434	0.426	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.28	180	1592	3.989	ug/l	91

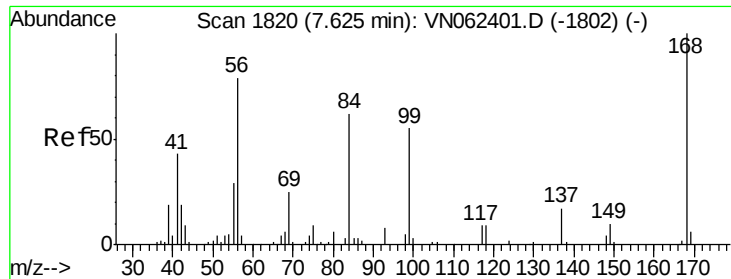
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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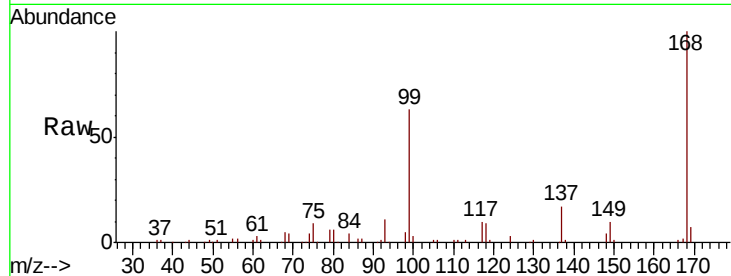




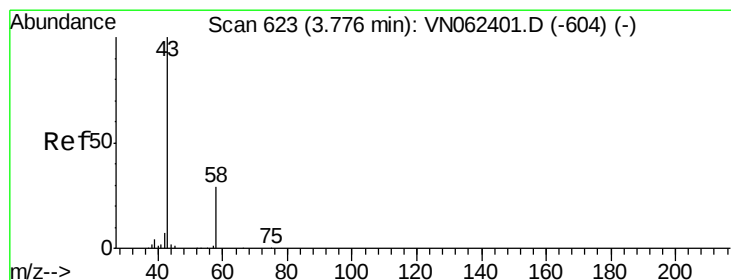
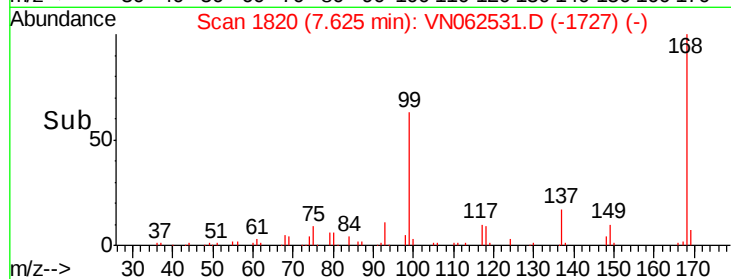
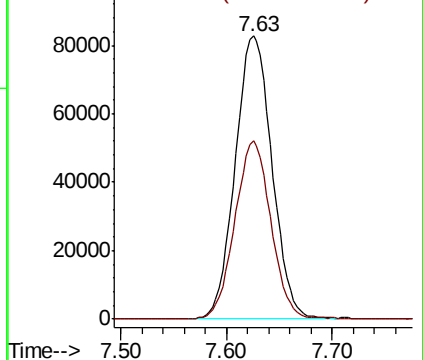
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 200580
Ion Ratio Lower Upper
168 100
99 62.9 48.8 73.2

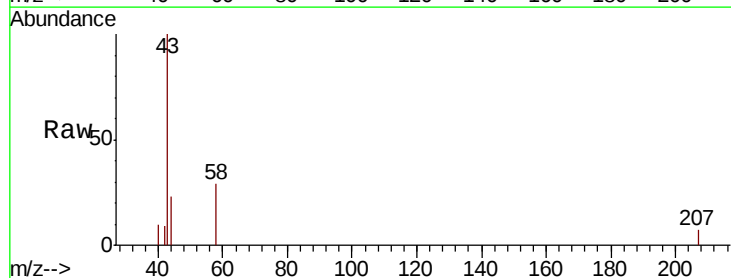


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

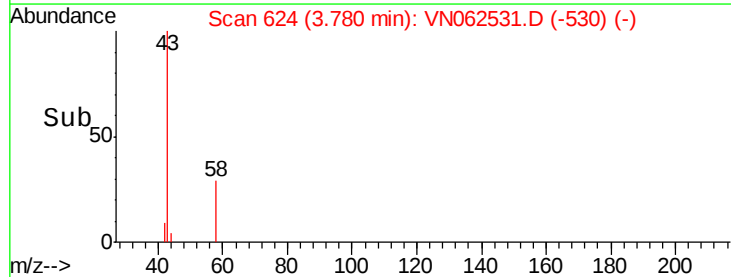
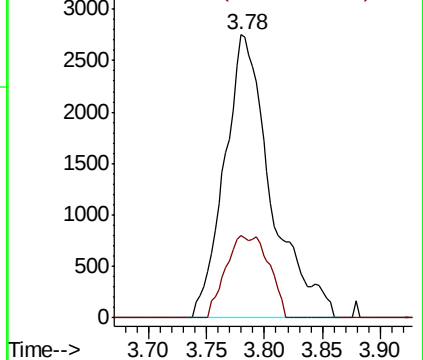


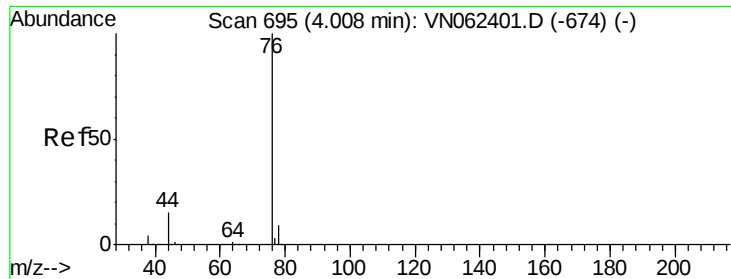
#16
Acetone
Concen: 5.863 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

Tgt Ion: 43 Resp: 7679
Ion Ratio Lower Upper
43 100
58 29.0 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN

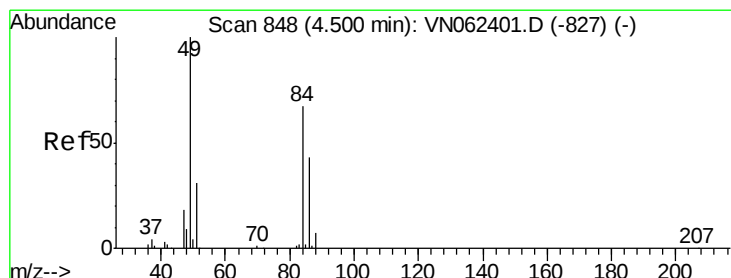
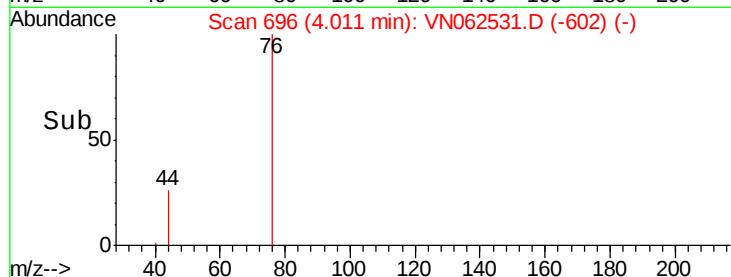
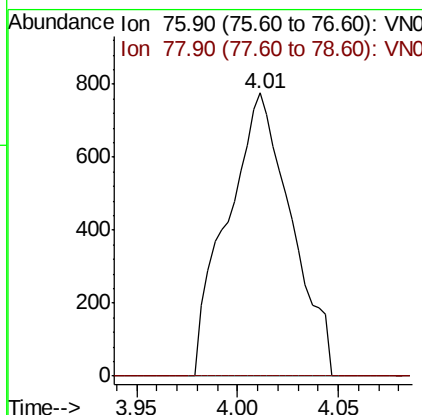
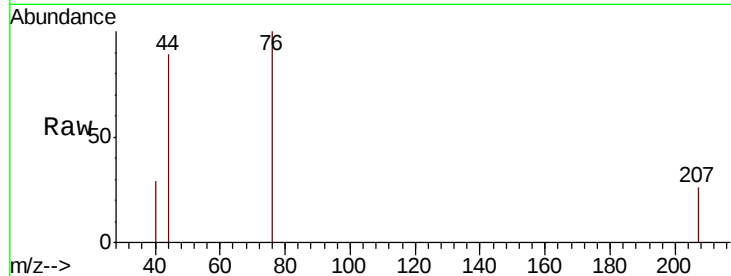




#17
Carbon Disulfide
Concen: 0.265 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

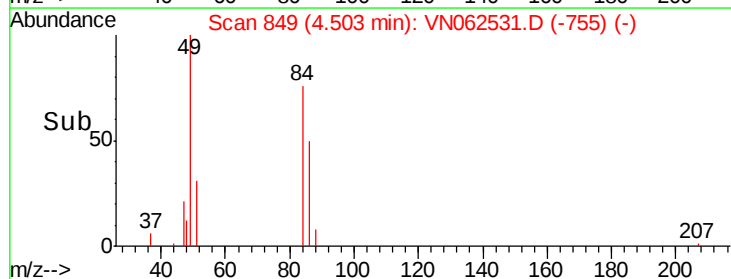
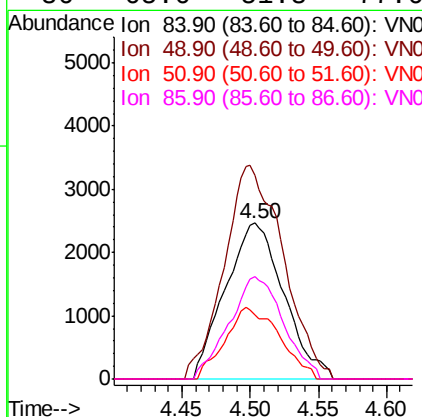
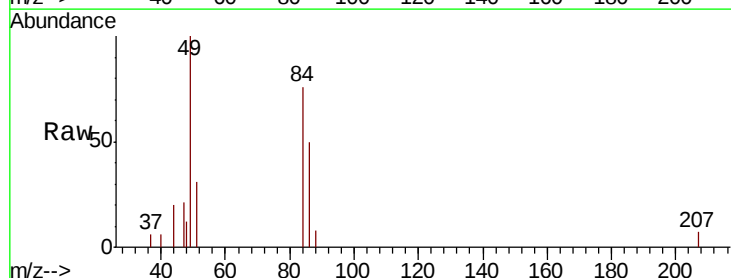
Instrument :
MSVOA_N
ClientSampleId :

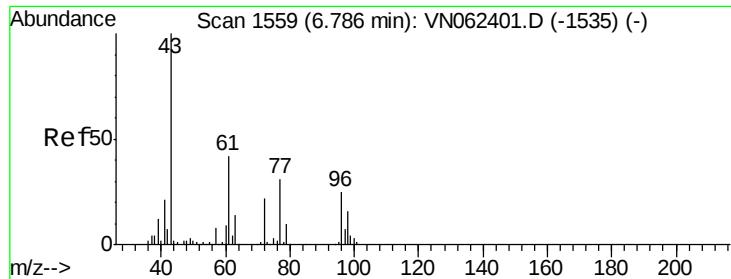
Tot Ion: 76 Resp: 1707
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#20
Methylene Chloride
Concen: 2.623 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

Tgt Ion: 84 Resp: 7346
Ion Ratio Lower Upper
84 100
49 130.9 120.0 180.0
51 41.0 37.0 55.6
86 65.6 51.8 77.6





#25

2-Butanone

Concen: 0.801 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.02 min

Lab File: VN062531.D

Acq: 15 Jul 2020 13:19

Instrument :

MSVOA_N

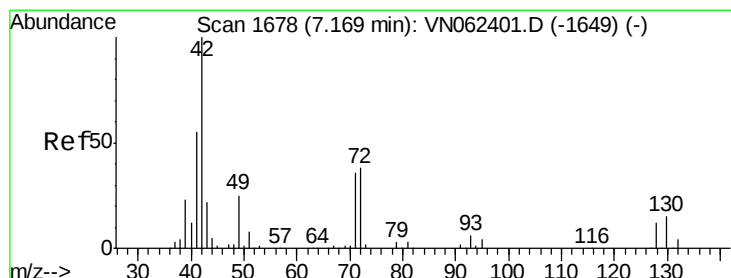
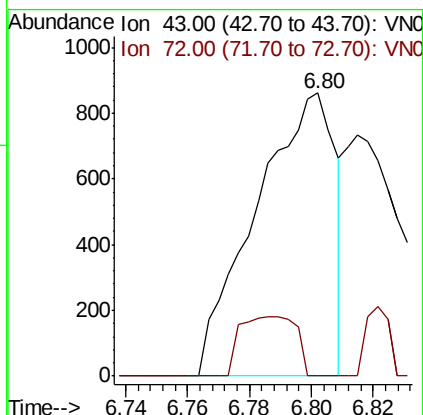
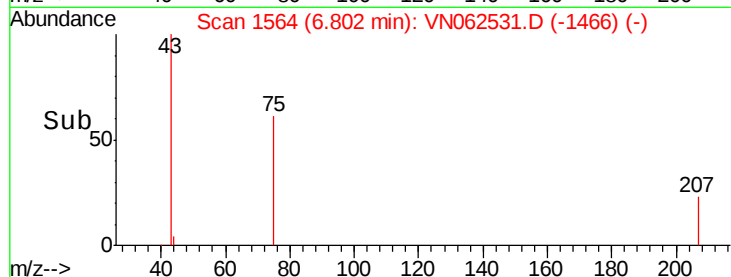
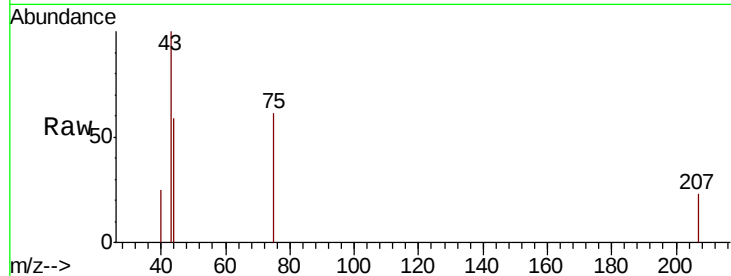
ClientSampled :

Tot Ion: 43 Resp: 1532

Ion Ratio Lower Upper

43 100

72 0.0 17.9 26.9#



#29

Tetrahydrofuran

Concen: 0.919 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN062531.D

Acq: 15 Jul 2020 13:19

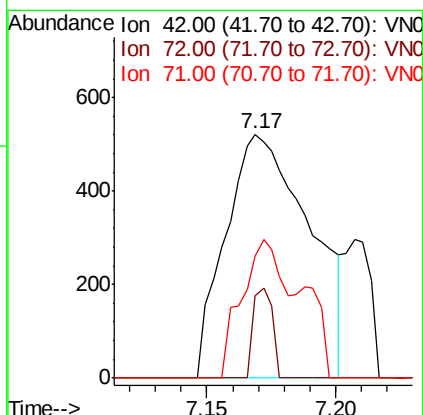
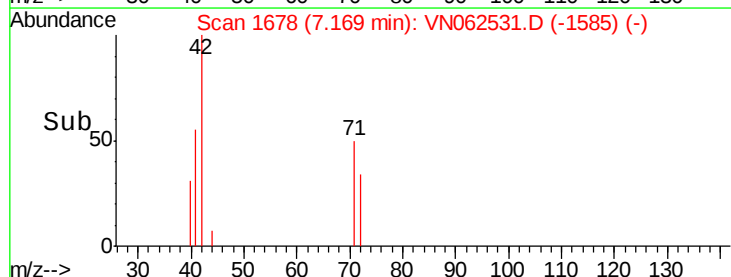
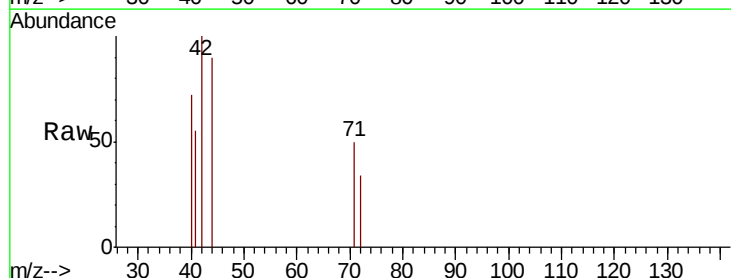
Tgt Ion: 42 Resp: 1183

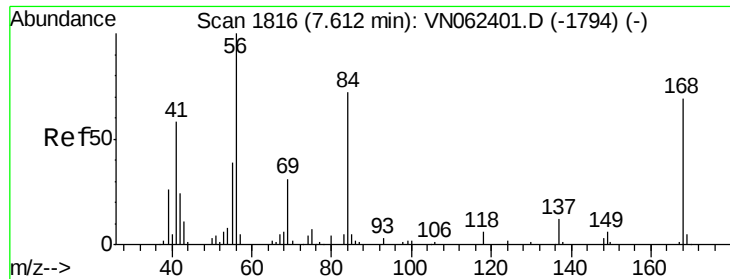
Ion Ratio Lower Upper

42 100

72 8.5 29.1 43.7#

71 30.9 28.1 42.1

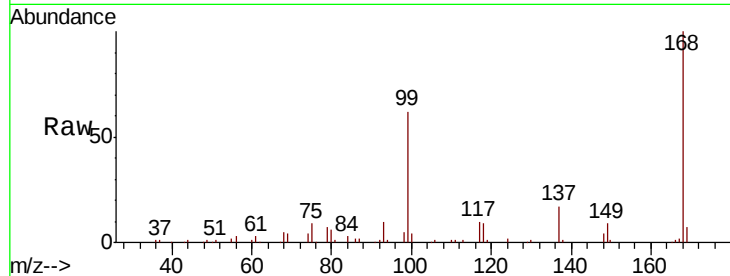




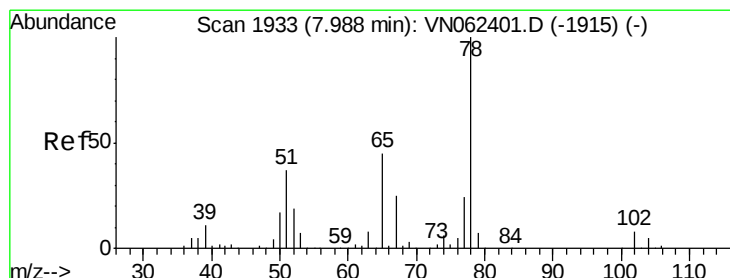
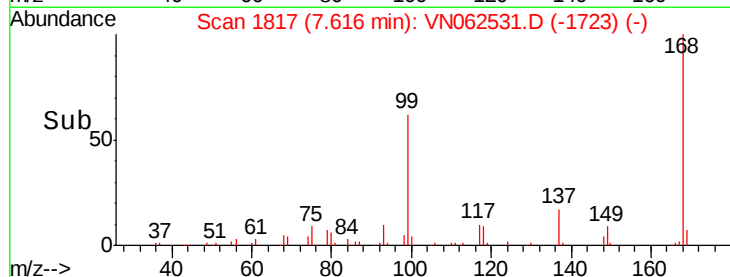
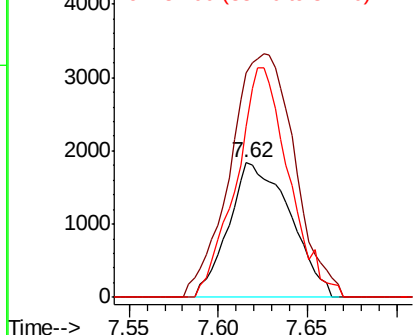
#31
Cyclohexane
Concen: 0.943 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 4418
Ion Ratio Lower Upper
56 100
69 156.7 24.5 36.7#
84 126.6 57.4 86.2#

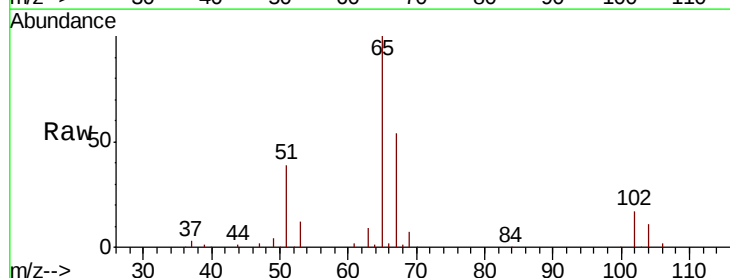


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

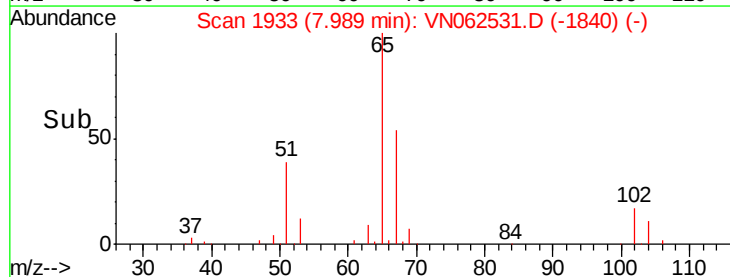
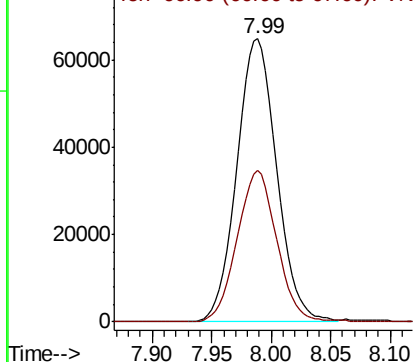


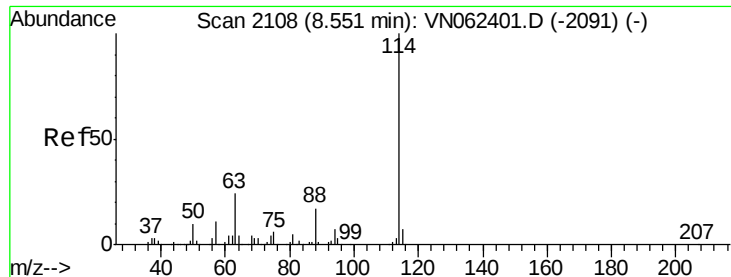
#33
1,2-Dichloroethane-d4
Concen: 48.842 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

Tgt Ion: 65 Resp: 150687
Ion Ratio Lower Upper
65 100
67 53.2 0.0 107.6



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

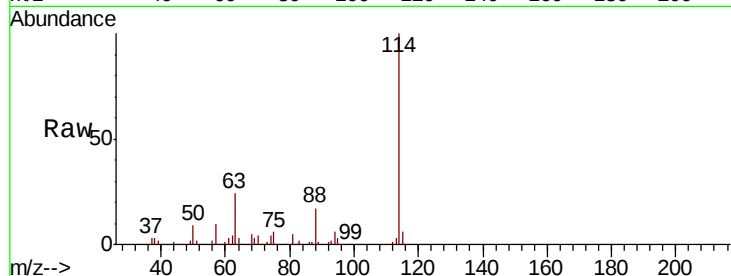




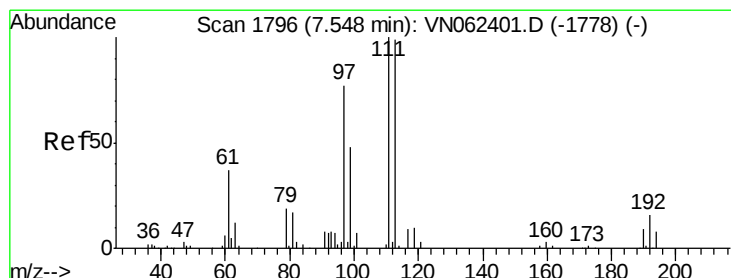
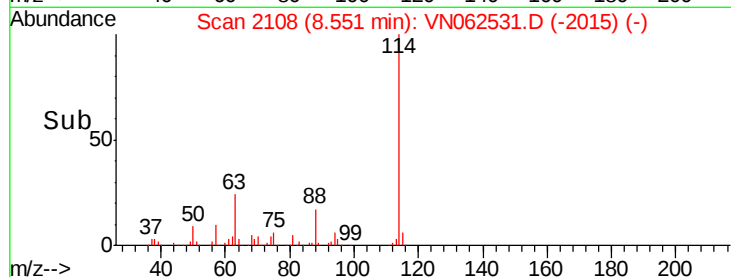
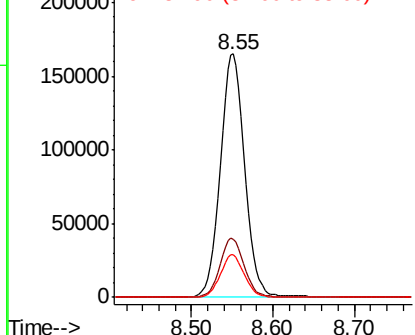
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062531.D
 Acq: 15 Jul 2020 13:19

Instrument :
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 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	0.0	48.4
88	17.4	0.0	33.8

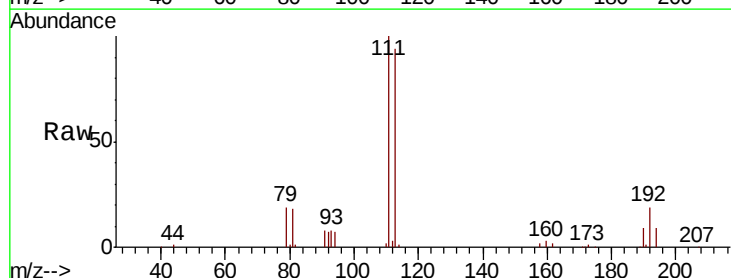


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

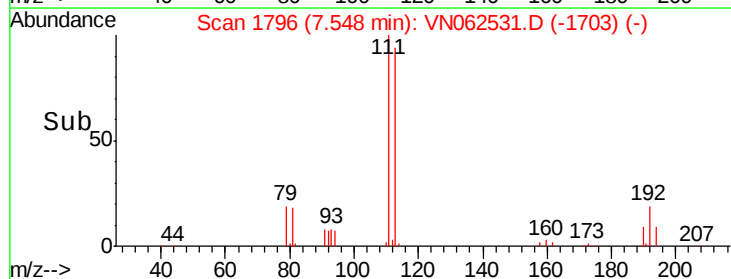
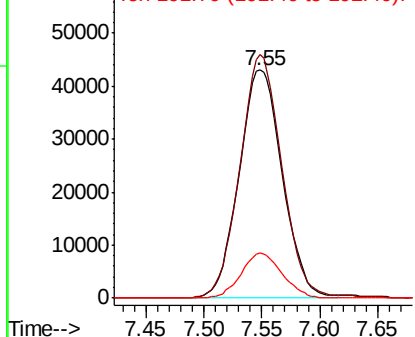


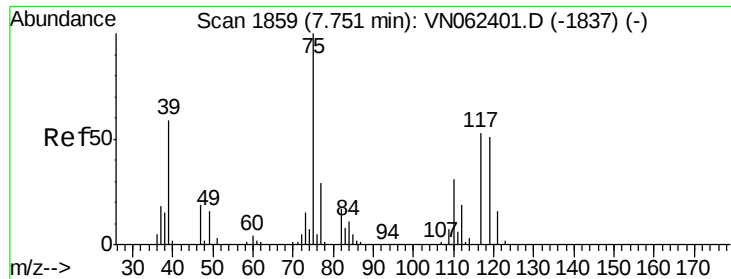
#35
 Dibromofluoromethane
 Concen: 51.793 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062531.D
 Acq: 15 Jul 2020 13:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.1	124.7
192	18.8	14.1	21.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

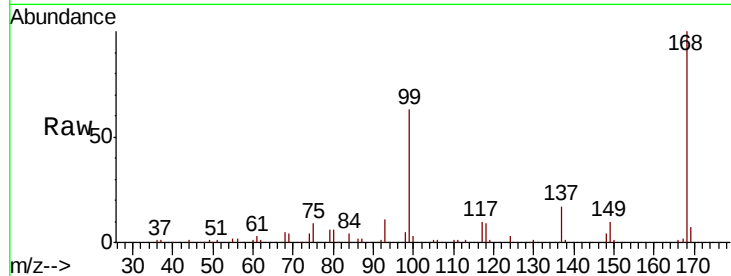




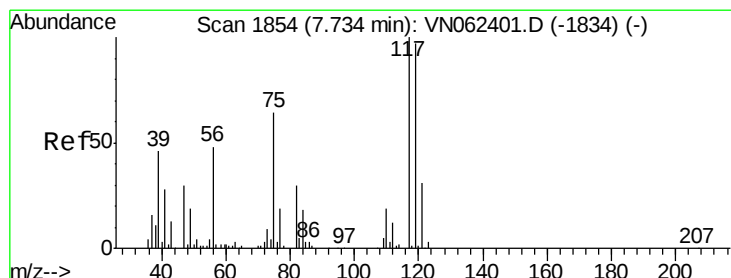
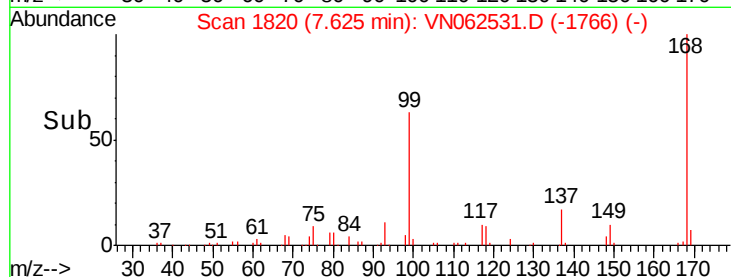
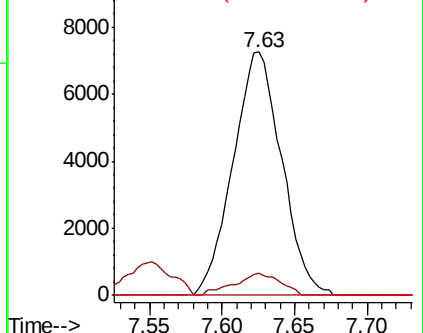
#36
 1,1-Dichloropropene
 Concen: 4.797 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062531.D
 Acq: 15 Jul 2020 13:19

Instrument :
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 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.4	46.2#
77	0.0	24.1	36.1#

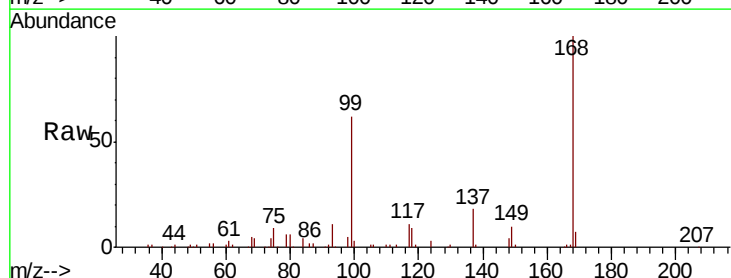


Abundance Ion 74.90 (74.60 to 75.60): VN062531.D (-1766) (-)
 Ion 109.90 (109.60 to 110.60): VN062531.D (-1766) (-)
 Ion 76.90 (76.60 to 77.60): VN062531.D (-1766) (-)

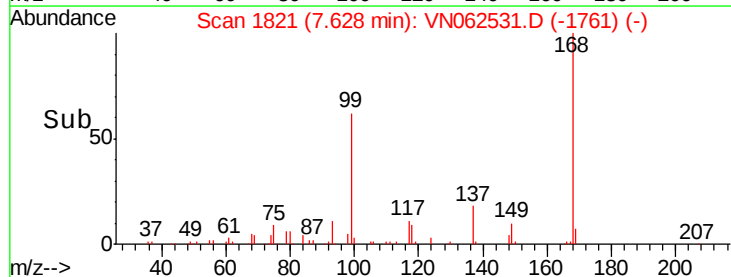
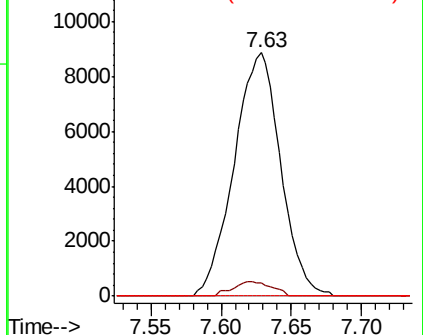


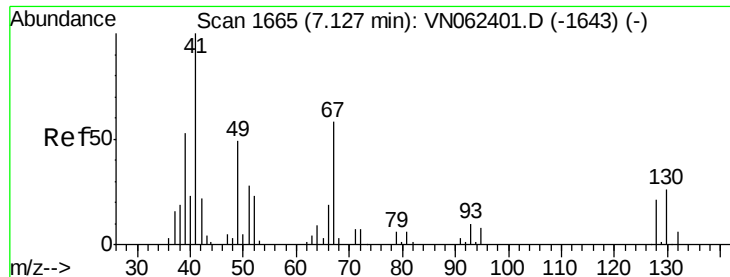
#38
 Carbon Tetrachloride
 Concen: 6.464 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN062531.D
 Acq: 15 Jul 2020 13:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.2	115.8#
121	0.0	24.8	37.2#



Abundance Ion 116.80 (116.50 to 117.50): VN062531.D (-1761) (-)
 Ion 118.80 (118.50 to 119.50): VN062531.D (-1761) (-)
 Ion 120.80 (120.50 to 121.50): VN062531.D (-1761) (-)

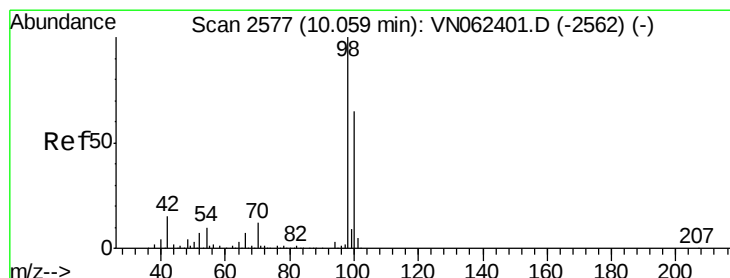
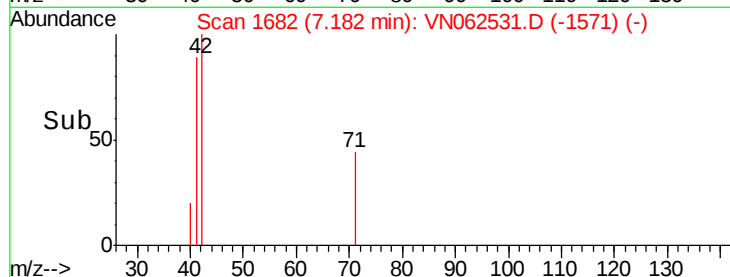
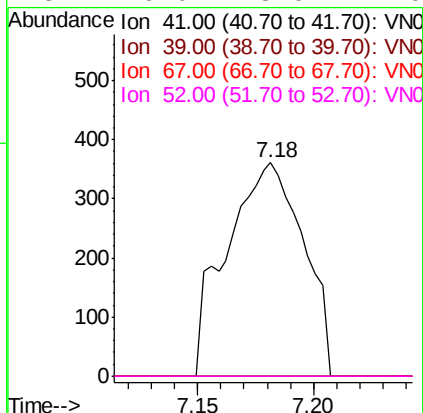
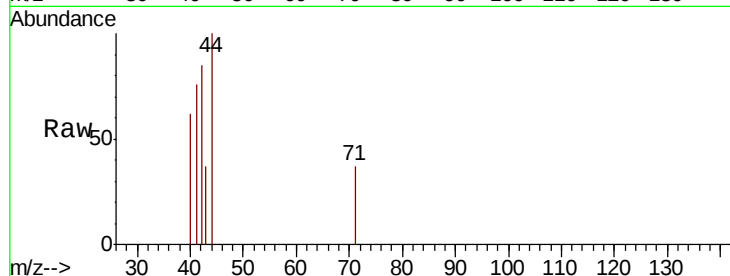




#41
Methacrylonitrile
Concen: 0.481 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.06 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

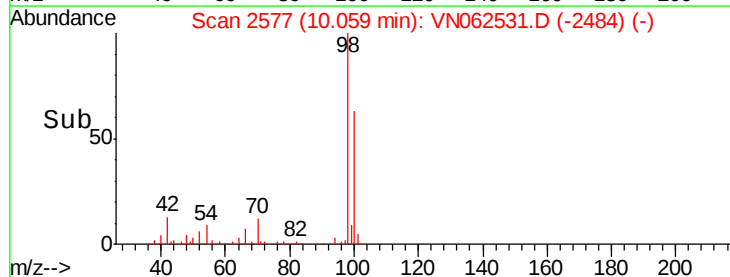
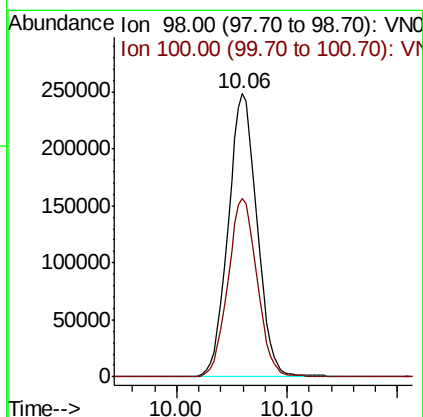
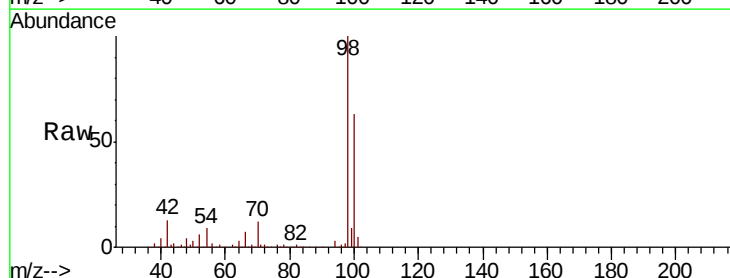
Instrument :
MSVOA_N
ClientSampled :

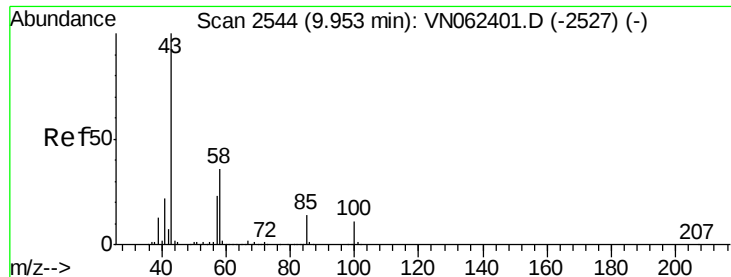
Tot Ion: 41 Resp: 828
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.2#
67 0.0 64.2 96.2#
52 0.0 28.0 42.0#



#50
Toluene-d8
Concen: 52.914 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

Tgt Ion: 98 Resp: 451240
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3

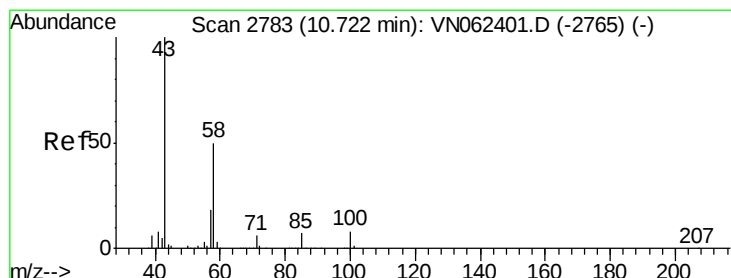
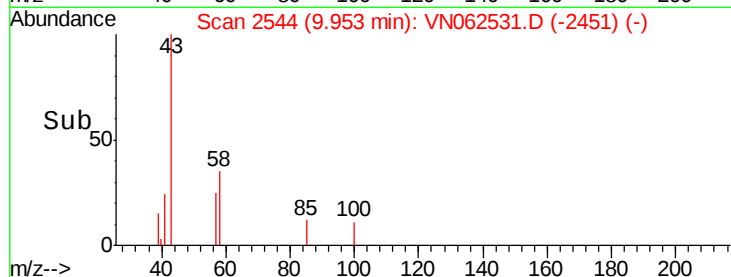
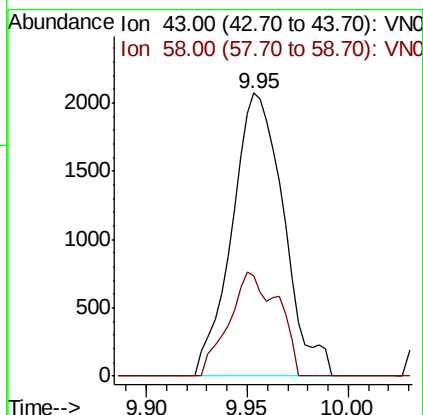
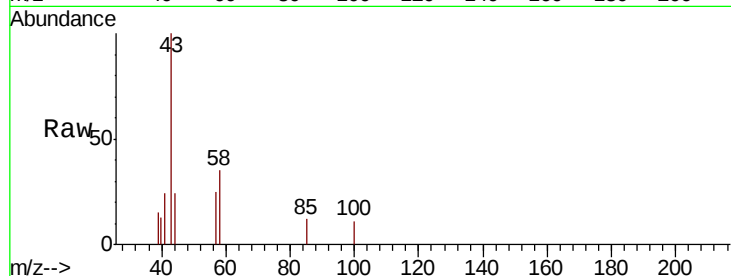




#51
 4-Methyl-2-Pentanone
 Concen: 0.957 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062531.D
 Acq: 15 Jul 2020 13:19

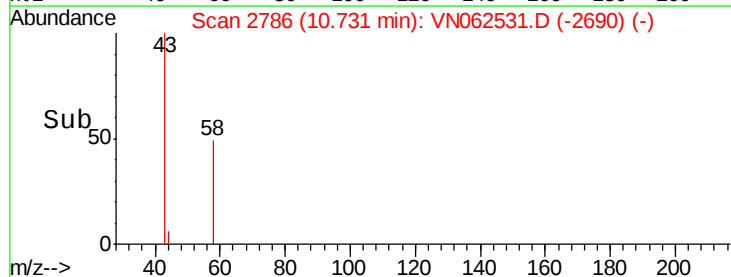
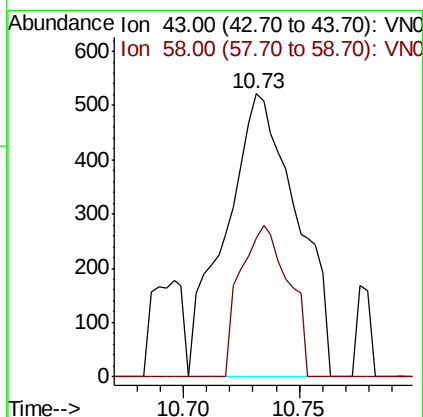
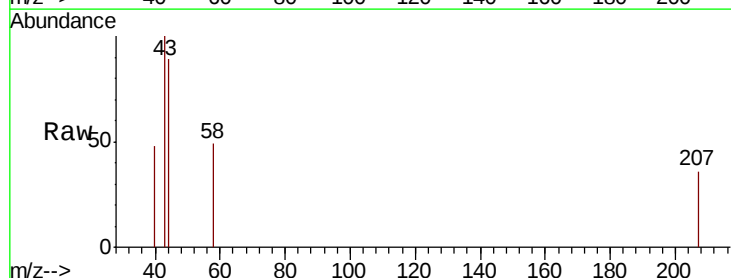
Instrument :
 MSVOA_N
 ClientSampled :

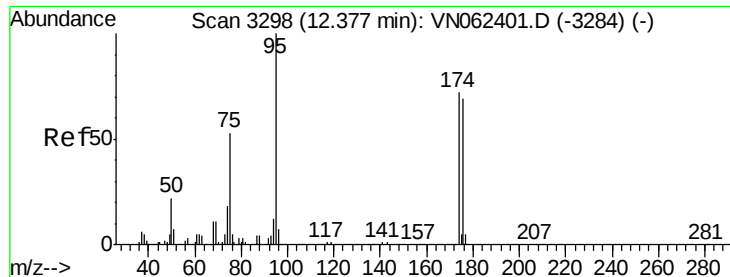
Tot Ion: 43 Resp: 3718
 Ion Ratio Lower Upper
 43 100
 58 34.9 29.0 43.6



#59
 2-Hexanone
 Concen: 0.394 ug/l
 RT: 10.73 min Scan# 2786
 Delta R.T. 0.01 min
 Lab File: VN062531.D
 Acq: 15 Jul 2020 13:19

Tgt Ion: 43 Resp: 1110
 Ion Ratio Lower Upper
 43 100
 58 36.5 25.1 75.2





#62

4-Bromofluorobenzene

Concen: 51.659 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062531.D

Acq: 15 Jul 2020 13:19

Instrument :

MSVOA_N

ClientSampleId :

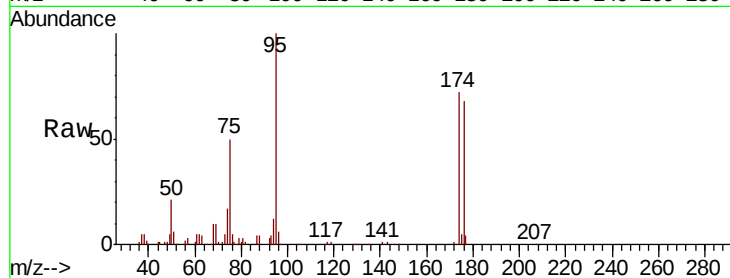
Tot Ion: 95 Resp: 160988

Ion Ratio Lower Upper

95 100

174 72.4 0.0 141.6

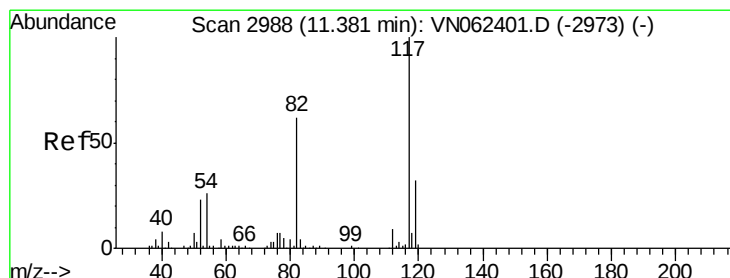
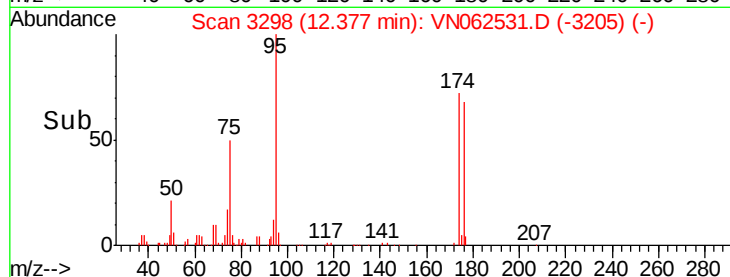
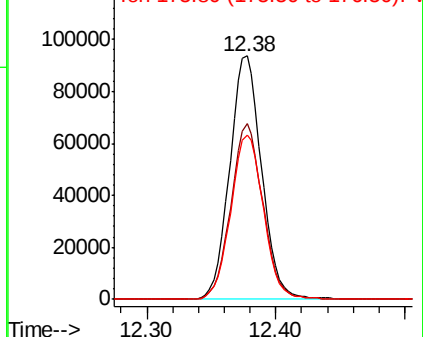
176 69.2 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062531.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062531.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062531.D (-3205) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062531.D

Acq: 15 Jul 2020 13:19

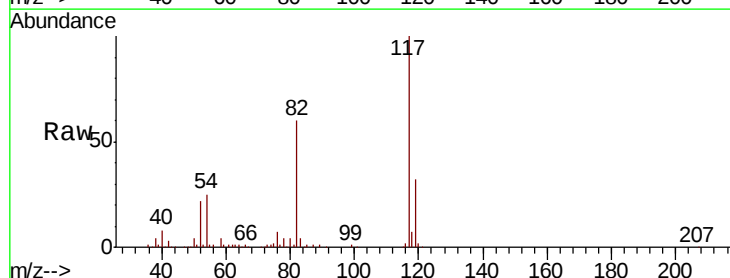
Tgt Ion: 117 Resp: 338535

Ion Ratio Lower Upper

117 100

82 60.5 49.6 74.4

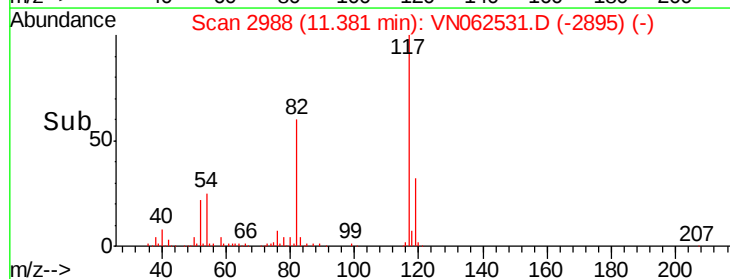
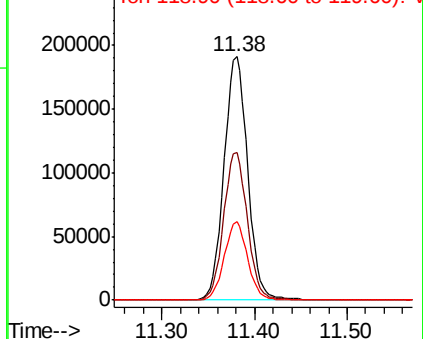
119 32.2 25.4 38.0

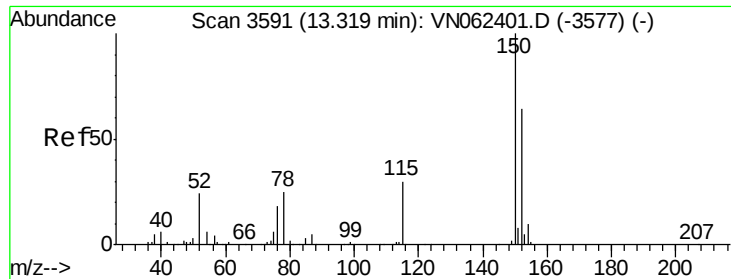


Abundance Ion 116.90 (116.60 to 117.60): VN062531.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN062531.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN062531.D (-2895) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062531.D

Acq: 15 Jul 2020 13:19

Instrument :

MSVOA_N

ClientSampled :

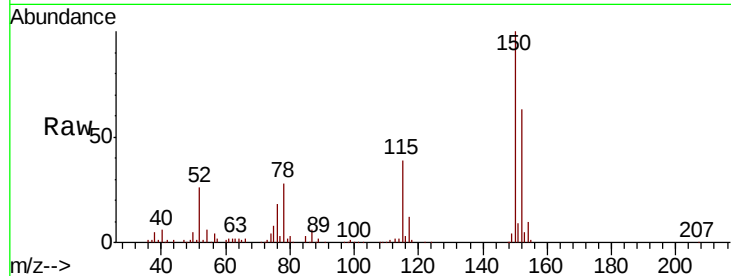
Tot Ion:152 Resp: 122577

Ion Ratio Lower Upper

152 100

115 61.6 31.4 94.2

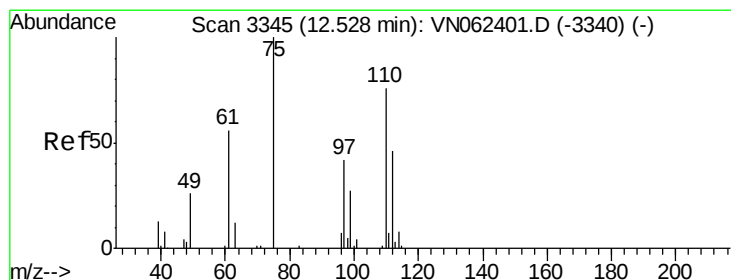
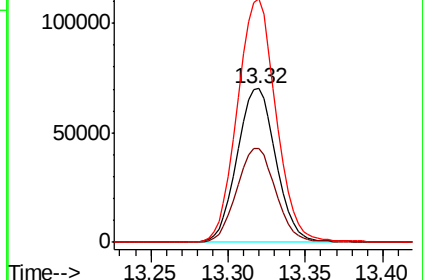
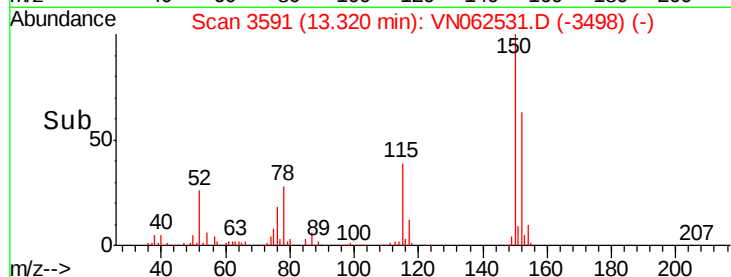
150 158.5 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.956 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN062531.D

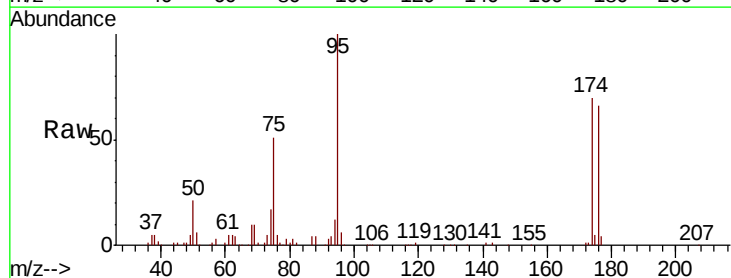
Acq: 15 Jul 2020 13:19

Tgt Ion: 75 Resp: 84081

Ion Ratio Lower Upper

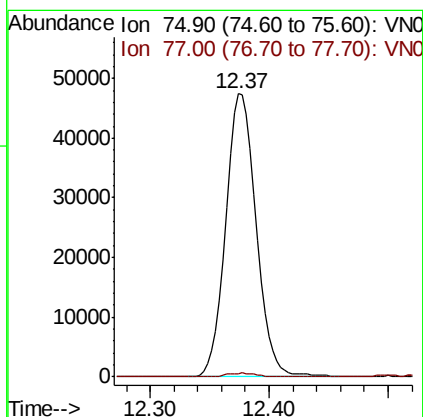
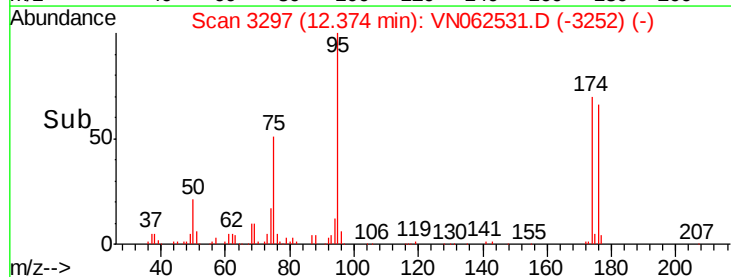
75 100

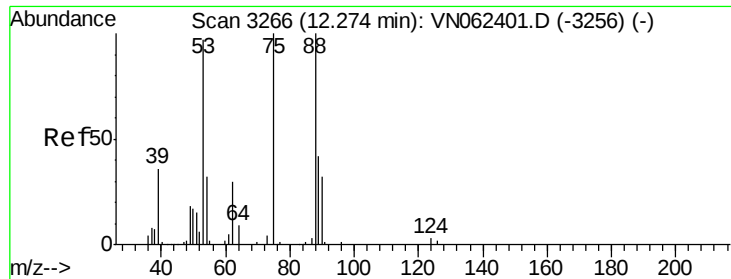
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

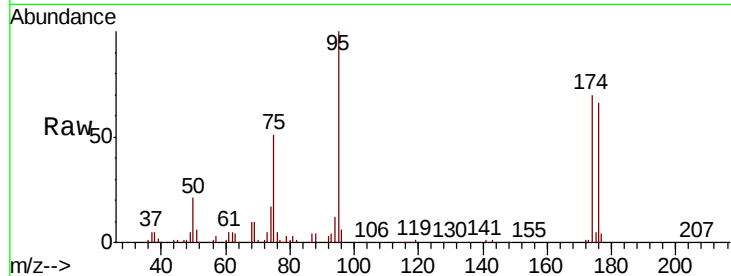




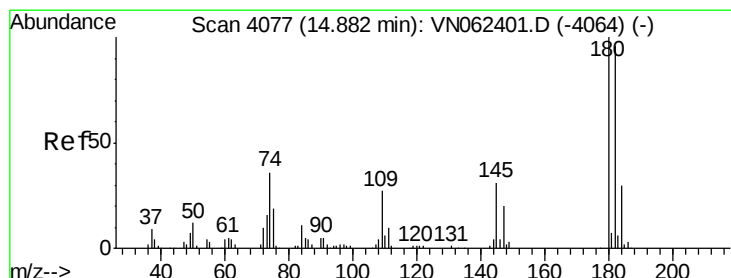
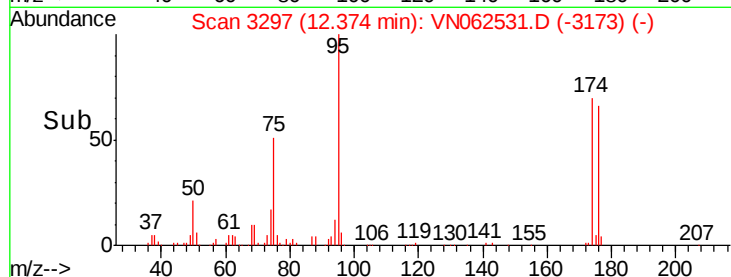
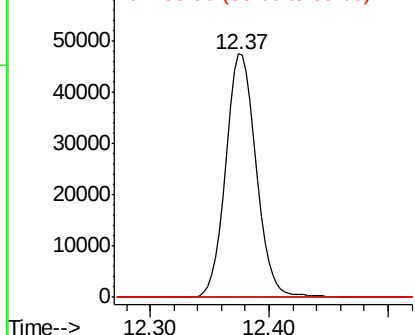
#81
trans-1,4-Dichloro-2-butene
Concen: 74.827 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.10 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 84081
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 34.6 52.0#

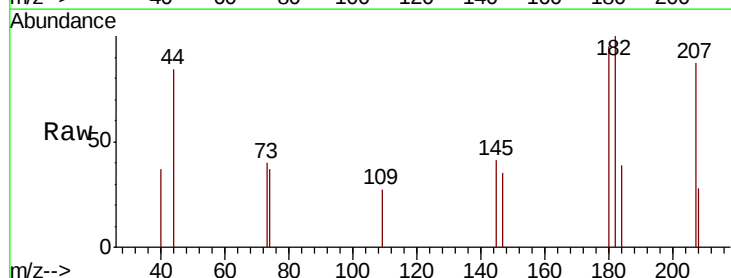


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

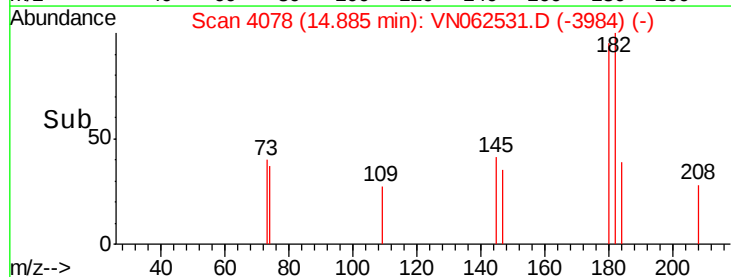
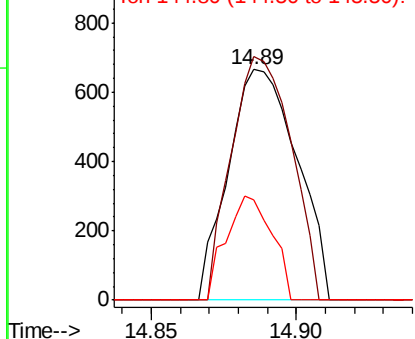


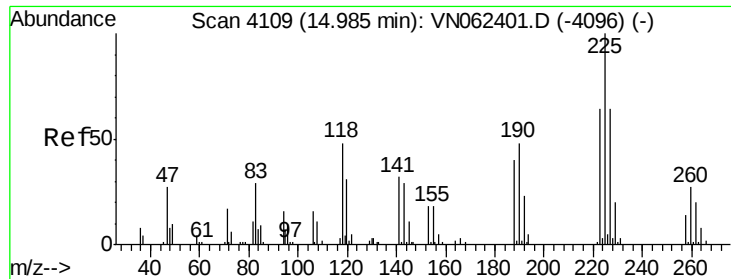
#93
1,2,4-Trichlorobenzene
Concen: 4.335 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

Tgt Ion:180 Resp: 1098
Ion Ratio Lower Upper
180 100
182 92.3 48.4 145.2
145 30.1 15.5 46.5



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

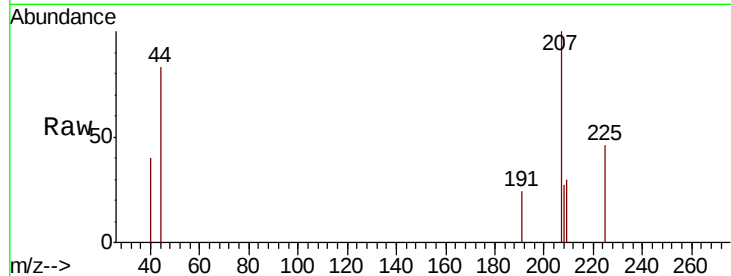




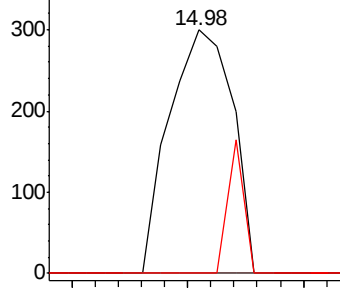
#94
Hexachlorobutadiene
Concen: 0.238 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

Instrument :
MSVOA_N
ClientSampled :

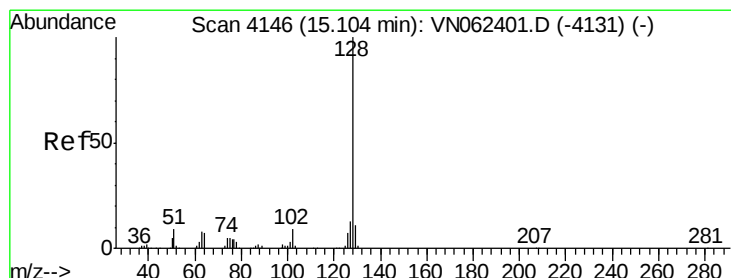
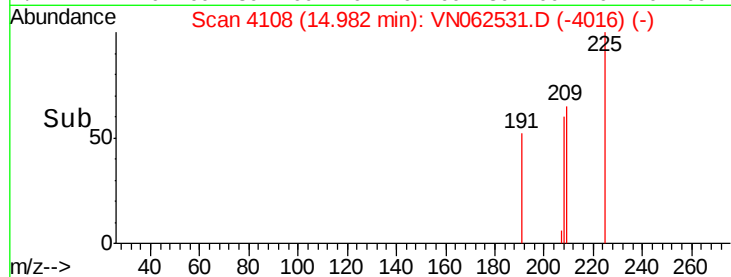
Tot Ion:225 Resp: 227
Ion Ratio Lower Upper
225 100
223 0.0 32.3 96.8#
227 14.1 31.9 95.7#



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

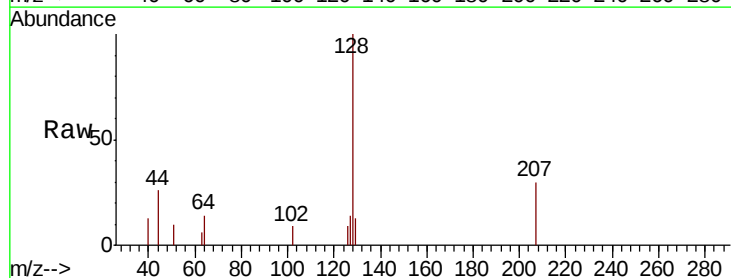


Time--> 14.96 14.98 15.00

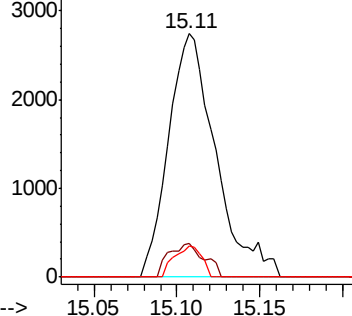


#95
Naphthalene
Concen: 0.426 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062531.D
Acq: 15 Jul 2020 13:19

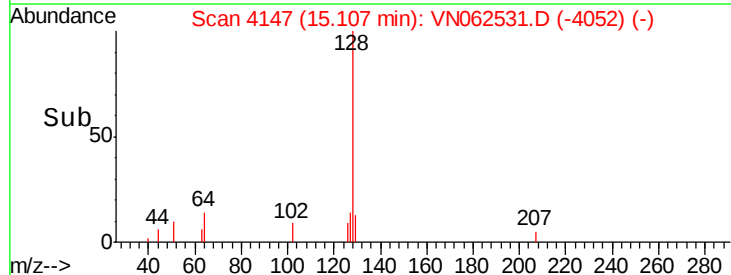
Tgt Ion:128 Resp: 5434
Ion Ratio Lower Upper
128 100
127 10.3 10.2 15.2
129 7.5 8.6 12.8#

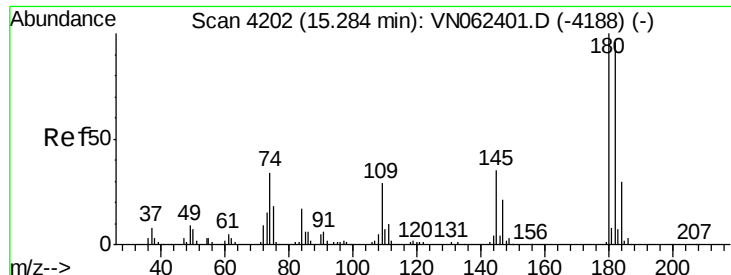


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.05 15.10 15.15

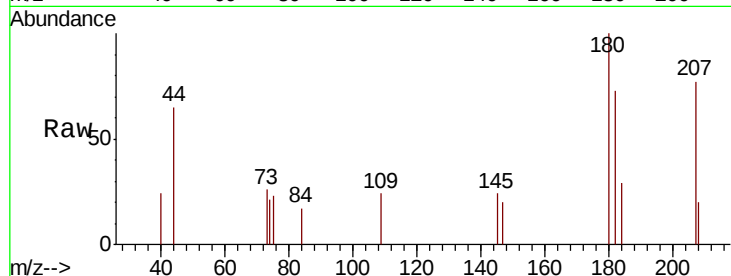




#96
 1,2,3-Trichlorobenzene
 Concen: 3.989 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN062531.D
 Acq: 15 Jul 2020 13:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.7	47.8	143.4
145	25.4	17.0	50.9



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

