

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081720\
 Data File : VN062982.D
 Acq On : 17 Aug 2020 20:44
 Operator : JC/MD
 Sample : L3696-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Aug 18 05:53:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 17 17:31:03 2020
 Response via : Initial Calibration

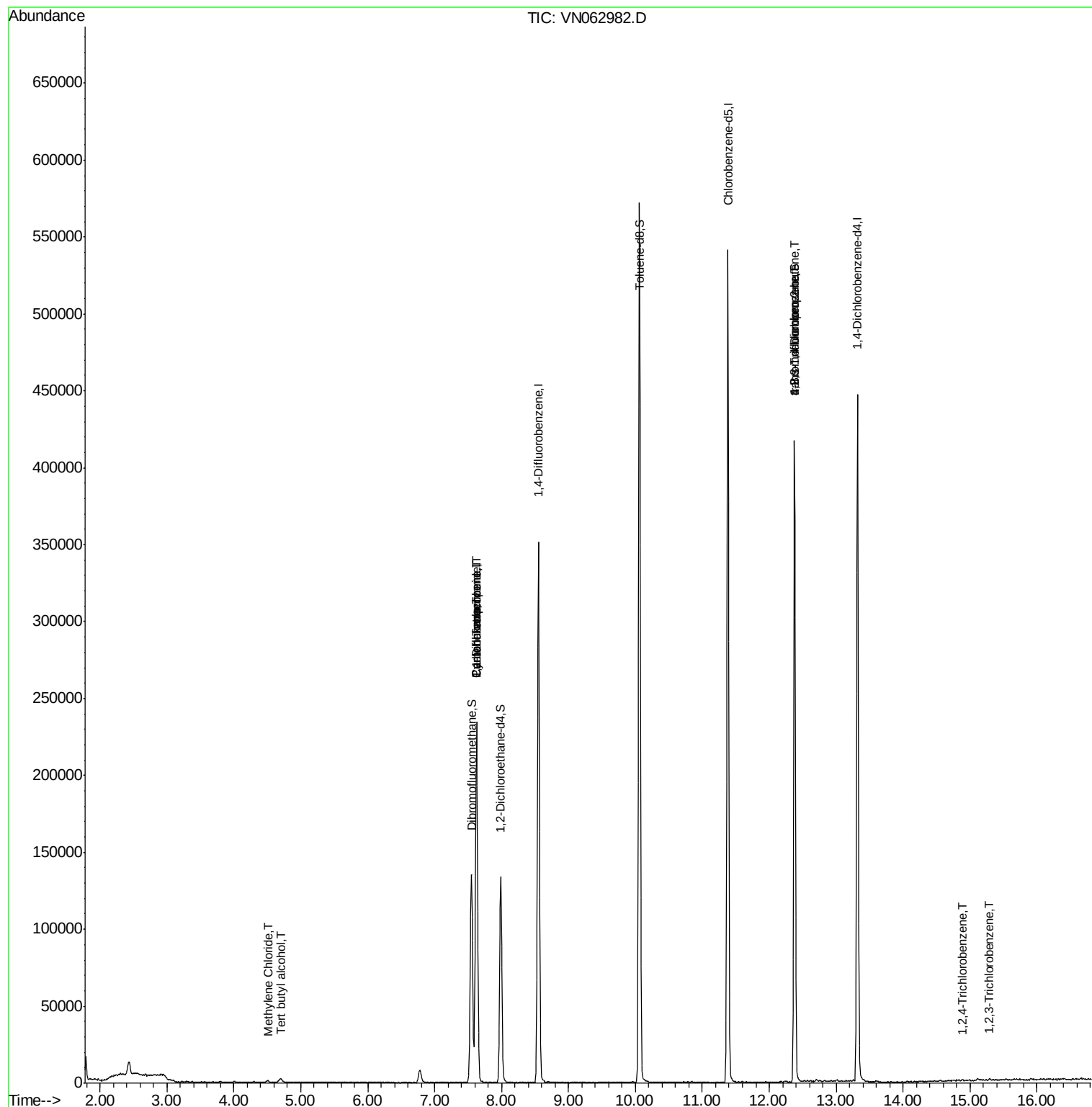
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	210797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	334283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	338049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137508	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	114540	51.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.58%	
35) Dibromofluoromethane	7.55	113	105473	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
50) Toluene-d8	10.06	98	412580	48.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.38	95	147279	48.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.70	59	2558	6.703	ug/l #	74
18) Methyl Acetate	4.30	43	1336	Below Cal	#	48
20) Methylene Chloride	4.50	84	800	0.990	ug/l #	91
29) Tetrahydrofuran	7.23	42	63	Below Cal	#	29
31) Cyclohexane	7.63	56	2959	0.859	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	13173	4.594	ug/l #	49
38) Carbon Tetrachloride	7.63	117	17647	5.825	ug/l #	16
59) 2-Hexanone	10.72	43	211	Below Cal	#	21
76) 1,2,3-Trichloropropane	12.38	75	67519	24.800	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	67519	66.576	ug/l #	16
93) 1,2,4-Trichlorobenzene	14.89	180	462	4.454	ug/l #	72
95) Naphthalene	15.11	128	1362	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.28	180	464	3.900	ug/l	85

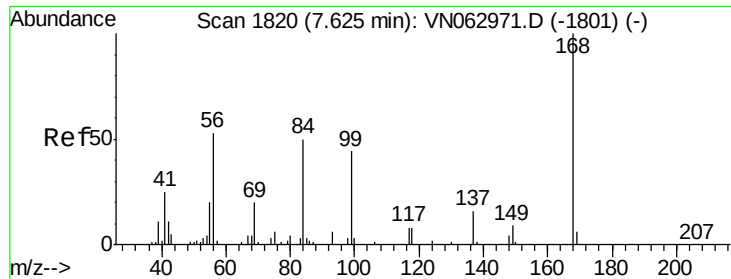
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 18 05:53:42 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N081720W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 17 17:31:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062982.D

Acq: 17 Aug 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

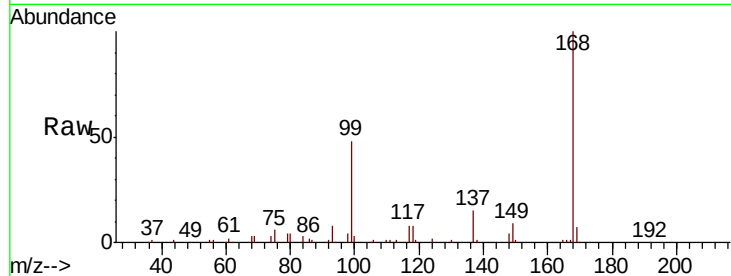
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Tot Ion:168 Resp: 210797

Ion Ratio Lower Upper

168 100

99 47.7 39.4 59.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

80000

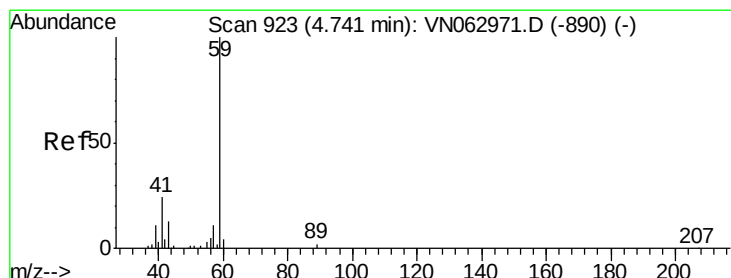
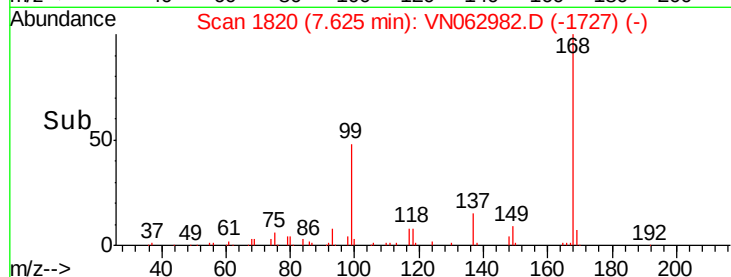
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#11

Tert butyl alcohol

Concen: 6.703 ug/l

RT: 4.70 min Scan# 911

Delta R.T. -0.04 min

Lab File: VN062982.D

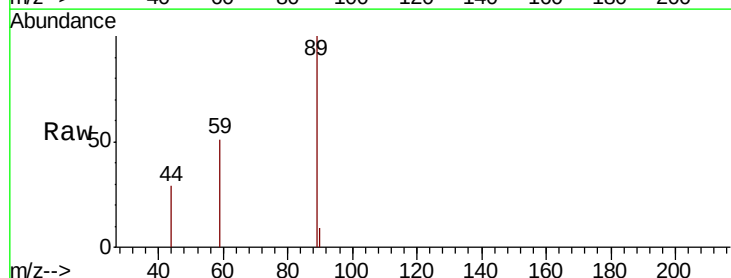
Acq: 17 Aug 2020 20:44

Tgt Ion: 59 Resp: 2558

Ion Ratio Lower Upper

59 100

57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.70

800

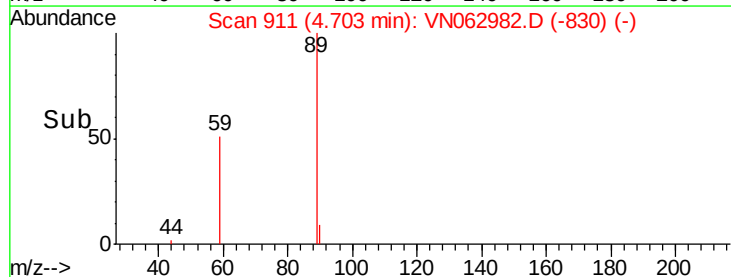
600

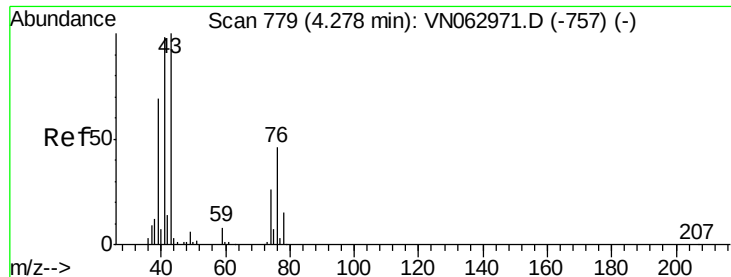
400

200

0

Time--> 4.60 4.65 4.70 4.75

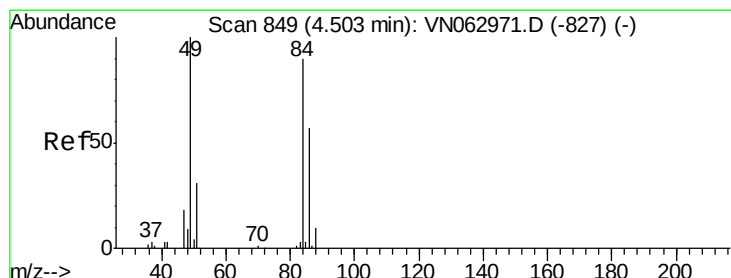
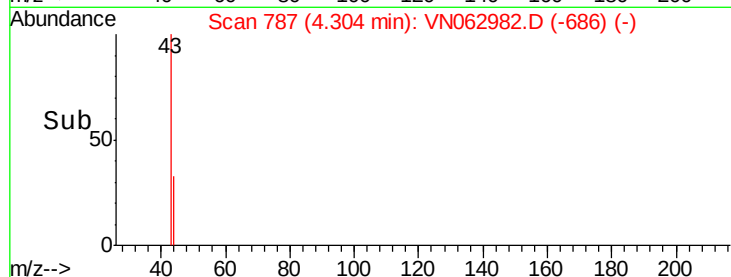
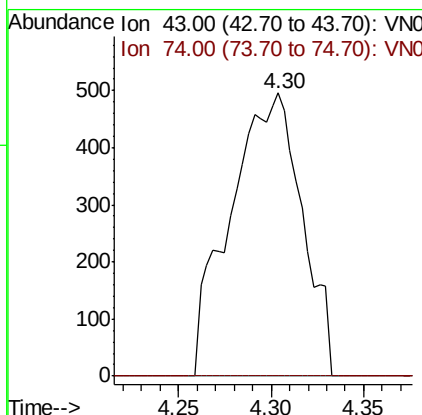
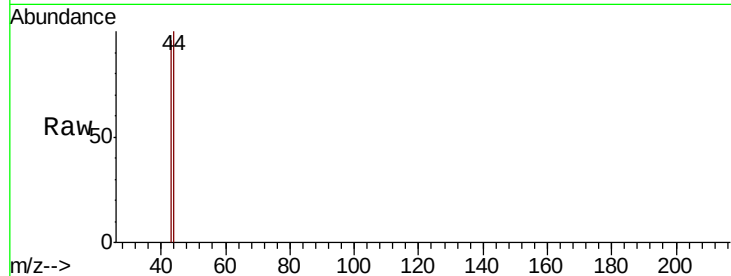




#18
Methyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 787
Delta R.T. 0.03 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

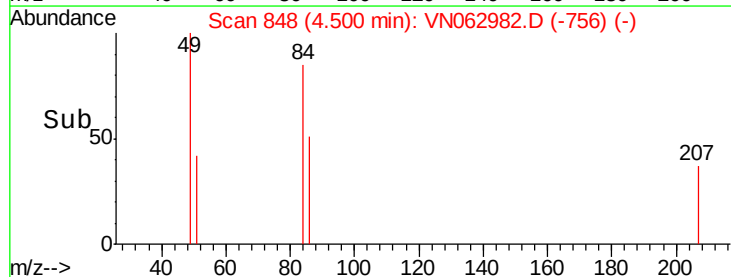
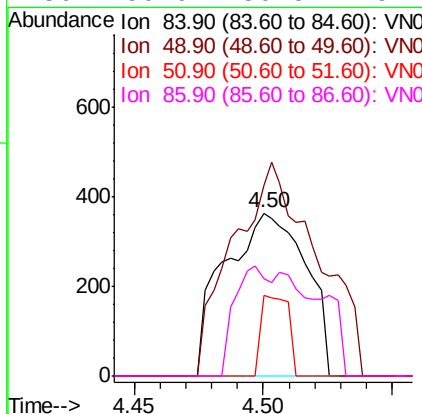
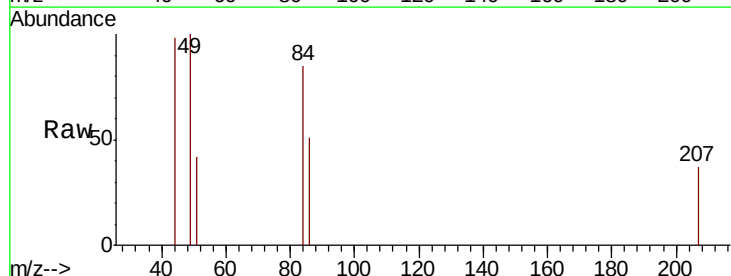
Instrument :
MSVOA_N
ClientSampled :
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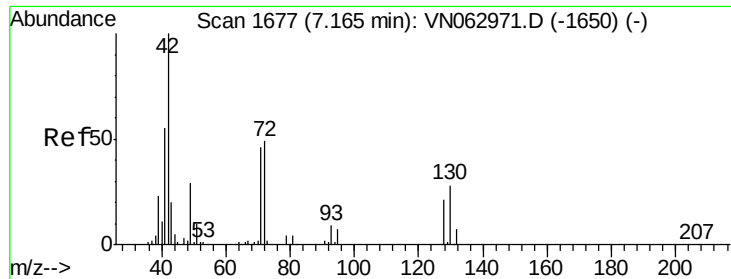
Tot Ion: 43 Resp: 1336
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#20
Methylene Chloride
Concen: 0.990 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

Tgt Ion: 84 Resp: 800
Ion Ratio Lower Upper
84 100
49 117.0 88.8 133.2
51 49.2 27.1 40.7#
86 59.9 50.5 75.7

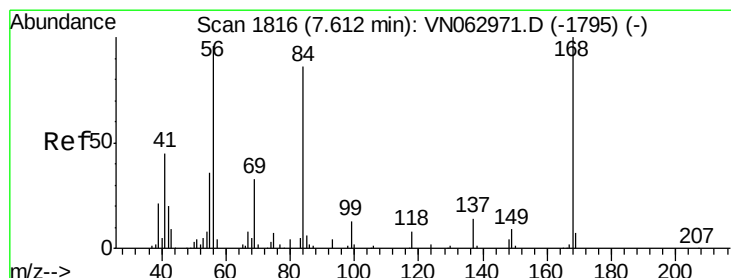
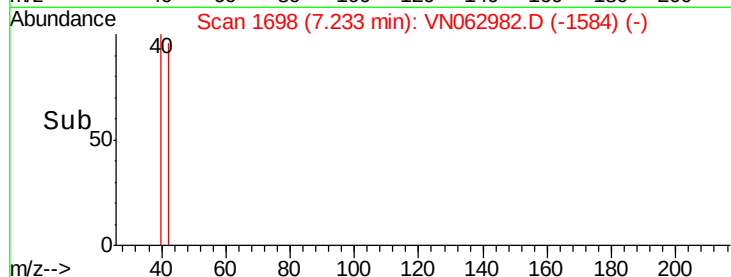
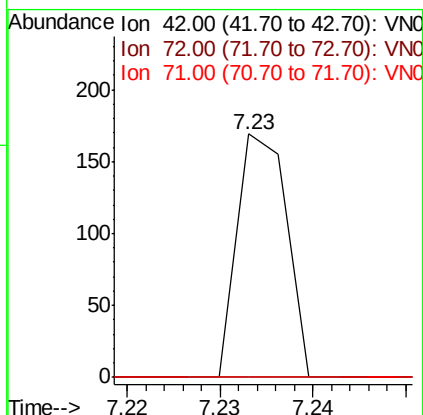
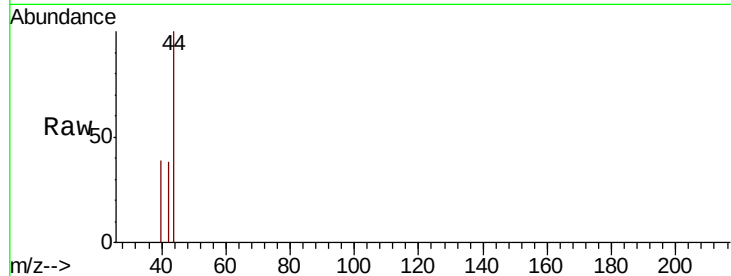




#29
Tetrahydrofuran
Concen: Below Cal
RT: 7.23 min Scan# 1698
Delta R.T. 0.07 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

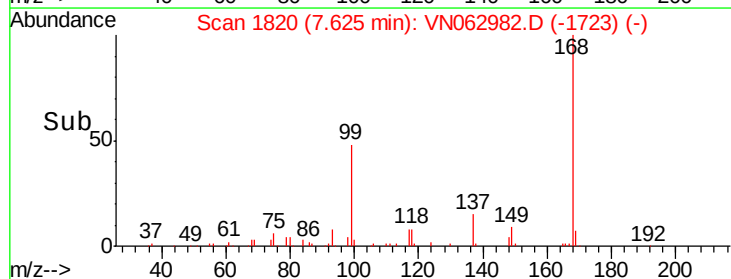
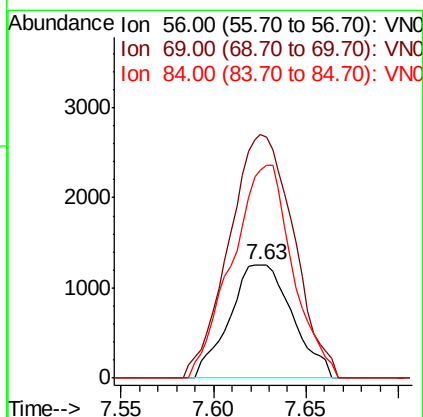
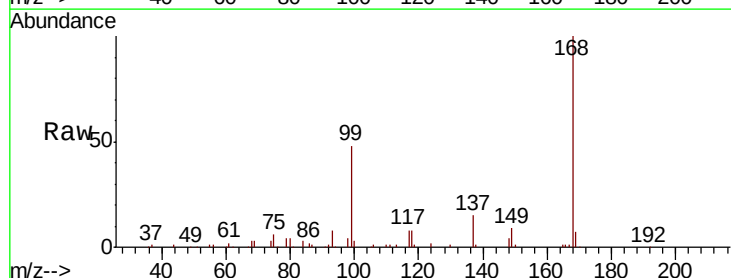
Instrument :
MSVOA_N
ClientSampleId :
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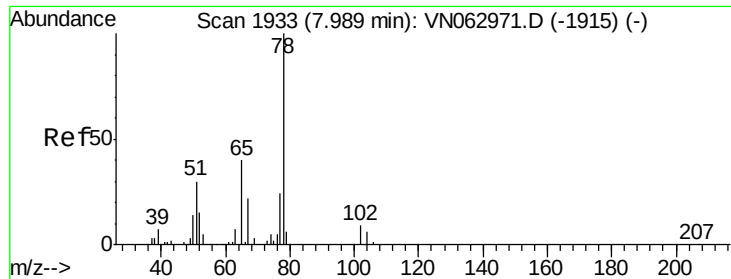
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	39.4	59.2#
71	0.0	37.2	55.8#



#31
Cyclohexane
Concen: 0.859 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

Tgt Ion	Ratio	Lower	Upper
56	100		
69	214.5	27.4	41.2#
84	183.4	71.3	106.9#

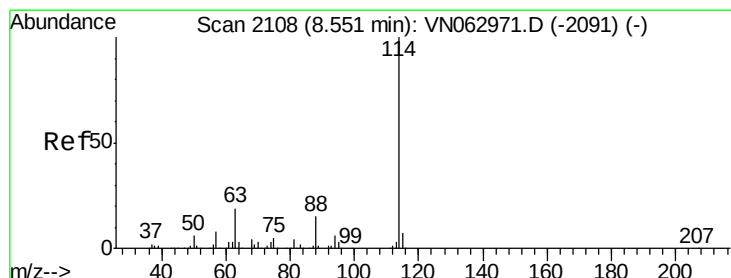
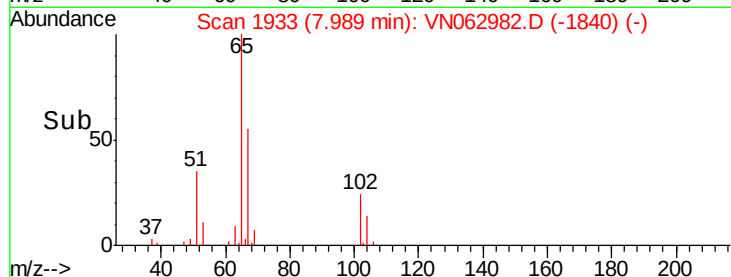
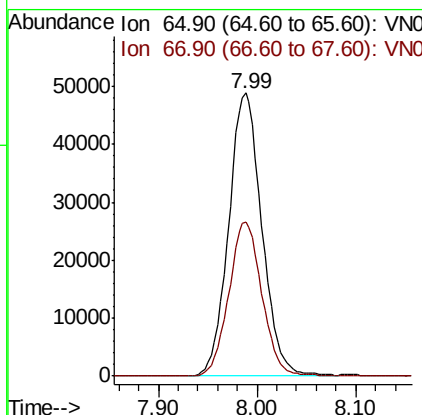
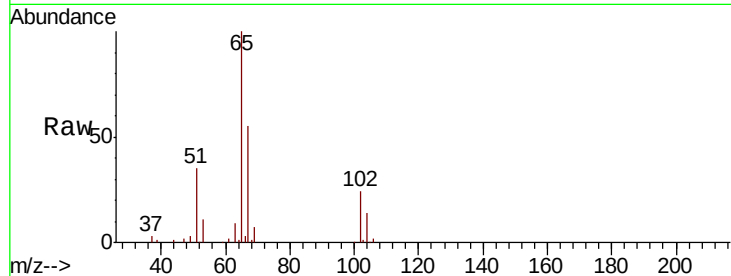




#33
 1,2-Dichloroethane-d4
 Concen: 51.293 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062982.D
 Acq: 17 Aug 2020 20:44

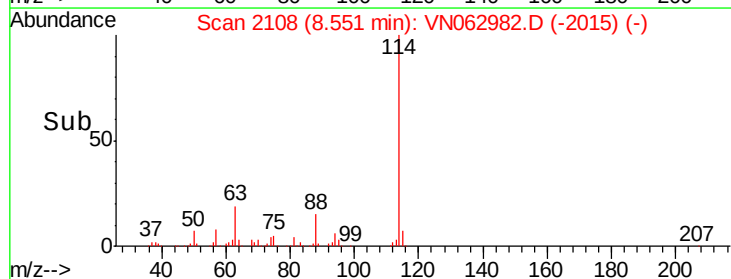
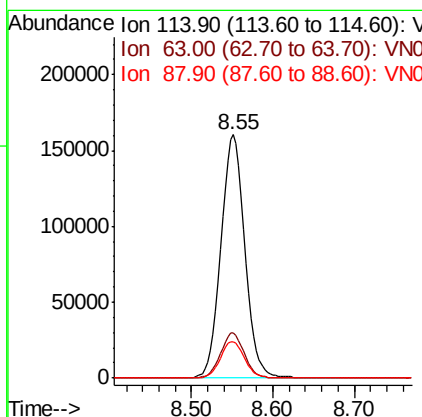
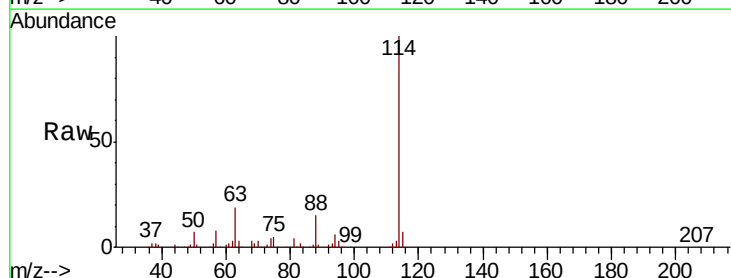
Instrument :
 MSVOA_N
 ClientSampled :
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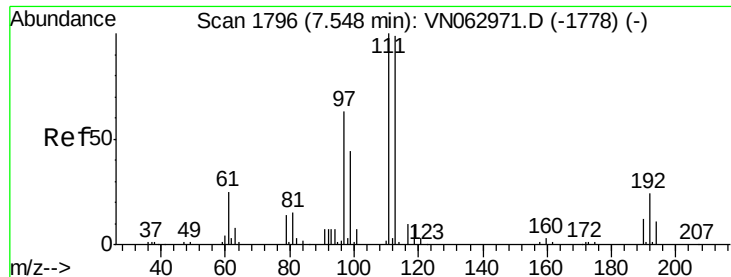
Tot Ion: 65 Resp: 114540
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062982.D
 Acq: 17 Aug 2020 20:44

Tgt Ion: 114 Resp: 334283
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.6
 88 15.0 0.0 31.0

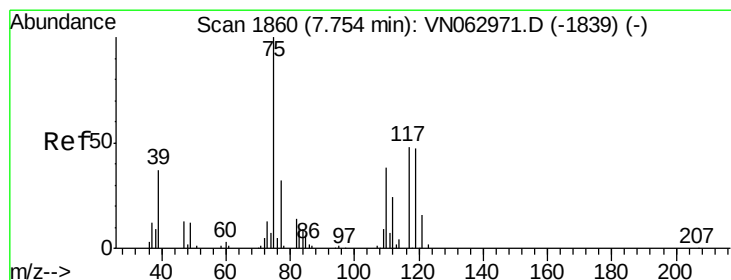
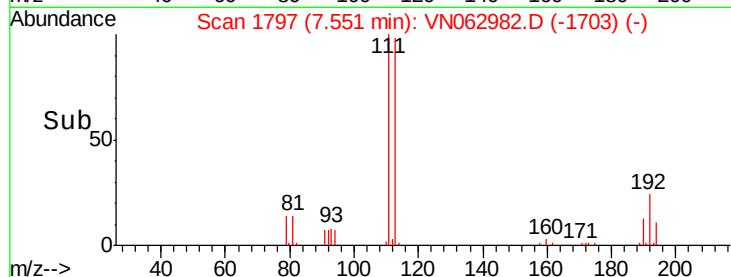
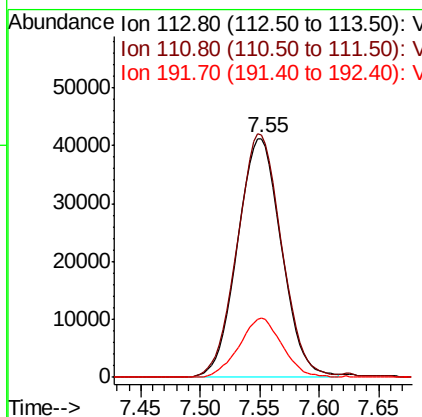
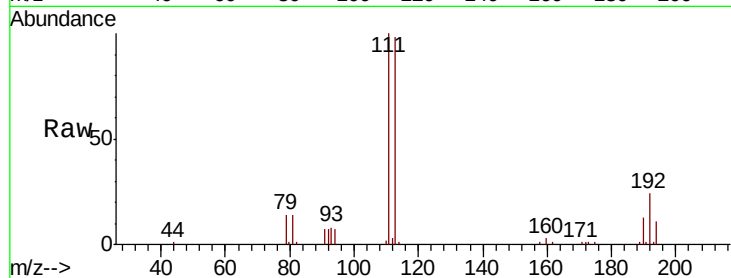




#35
Dibromofluoromethane
Concen: 48.442 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

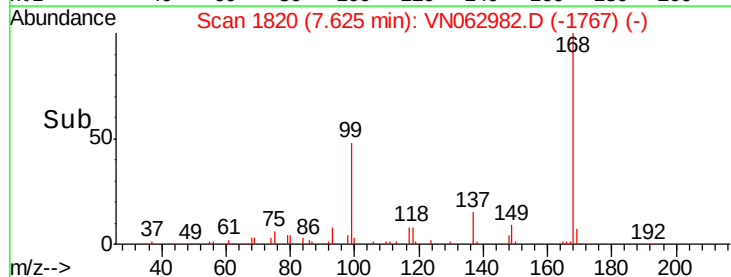
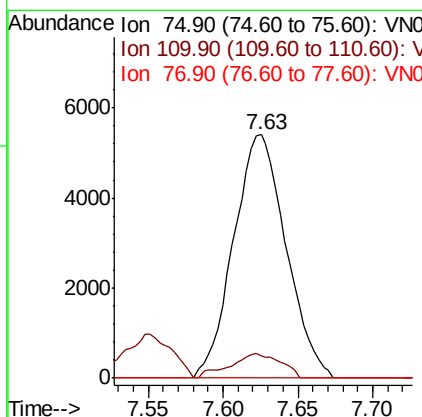
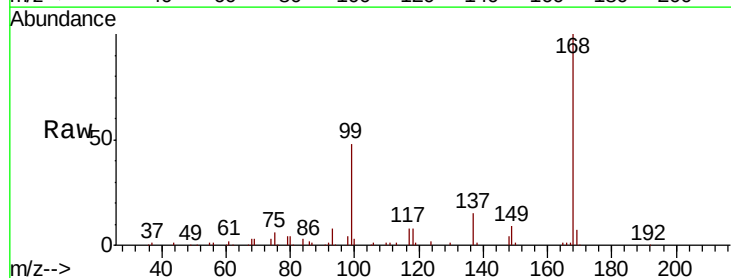
Instrument :
MSVOA_N
ClientSampled :
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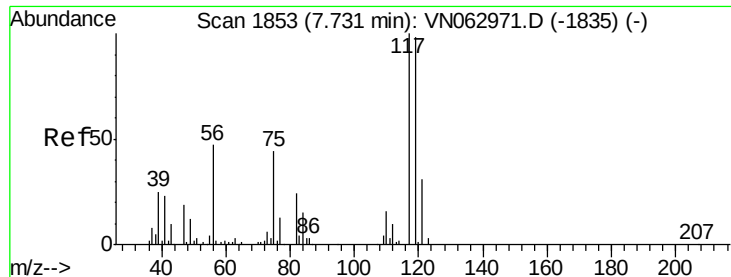
Tot Ion:113 Resp: 105473
Ion Ratio Lower Upper
113 100
111 102.5 81.4 122.0
192 24.2 19.2 28.8



#36
1,1-Dichloropropene
Concen: 4.594 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.13 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

Tgt Ion: 75 Resp: 13173
Ion Ratio Lower Upper
75 100
110 9.6 18.7 56.1#
77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 5.825 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN062982.D

Acq: 17 Aug 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

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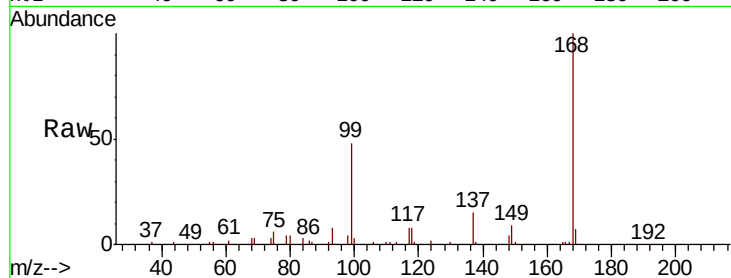
Tot Ion:117 Resp: 17647

Ion Ratio Lower Upper

117 100

119 6.4 77.9 116.9#

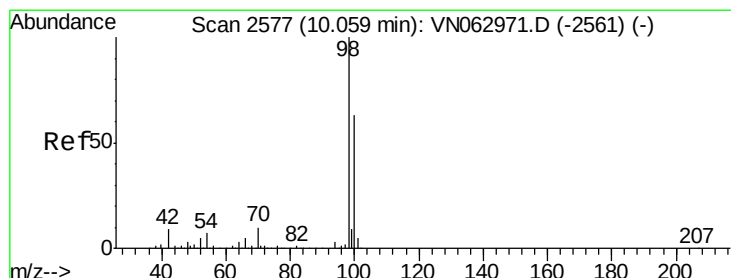
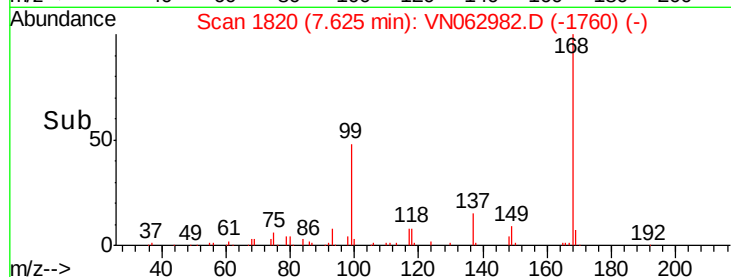
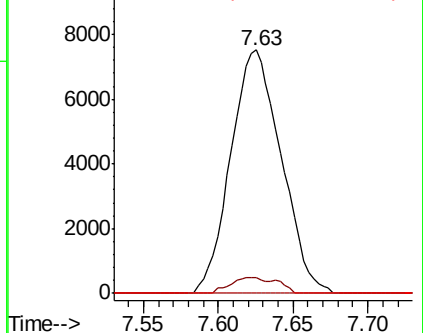
121 0.0 24.8 37.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.826 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062982.D

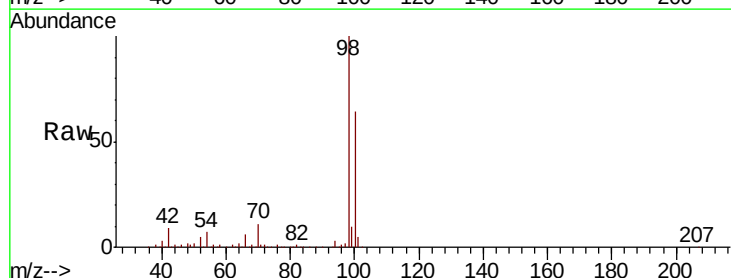
Acq: 17 Aug 2020 20:44

Tgt Ion: 98 Resp: 412580

Ion Ratio Lower Upper

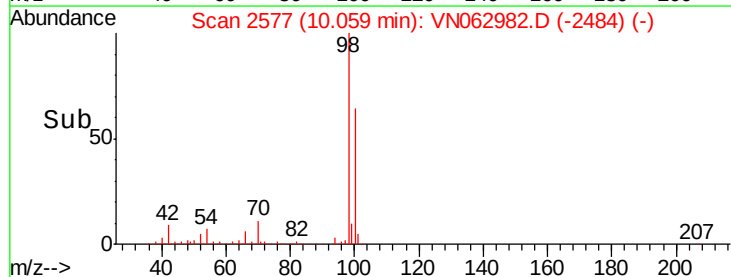
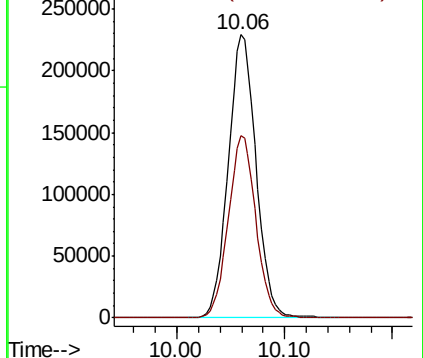
98 100

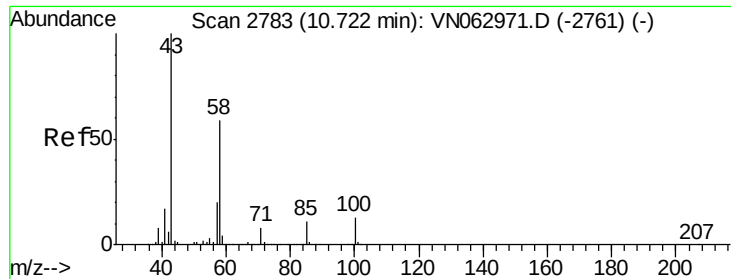
100 64.0 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

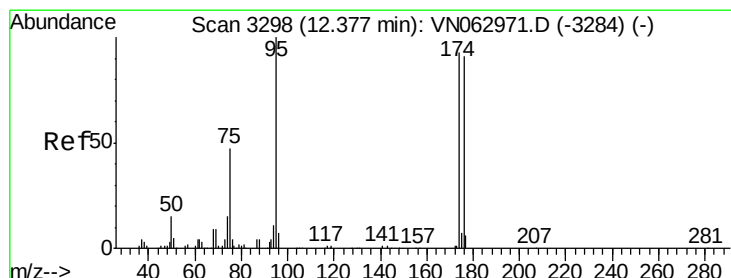
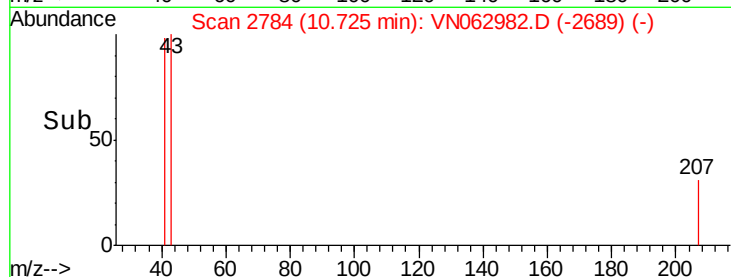
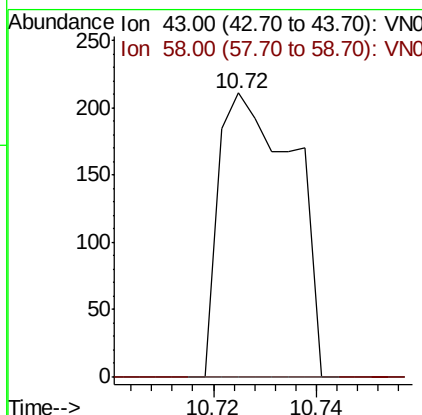
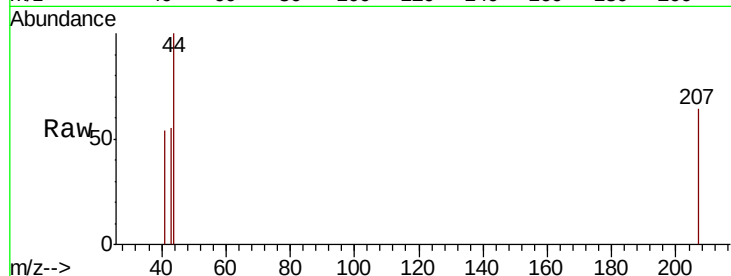




#59
2-Hexanone
Concen: Below Cal
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

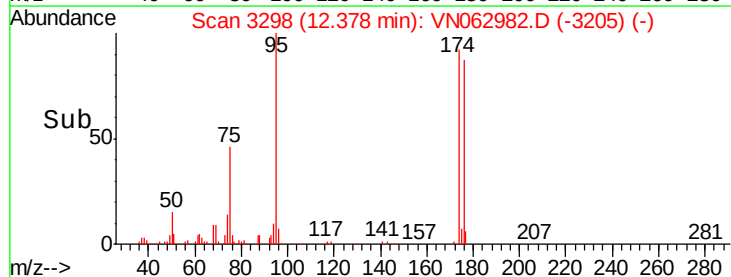
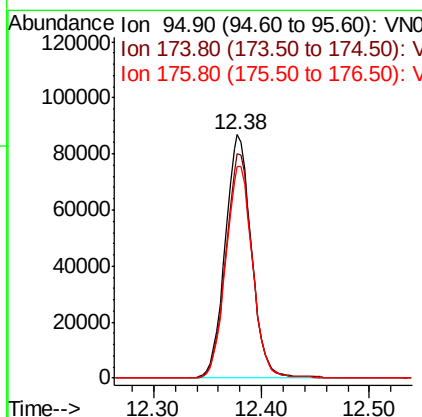
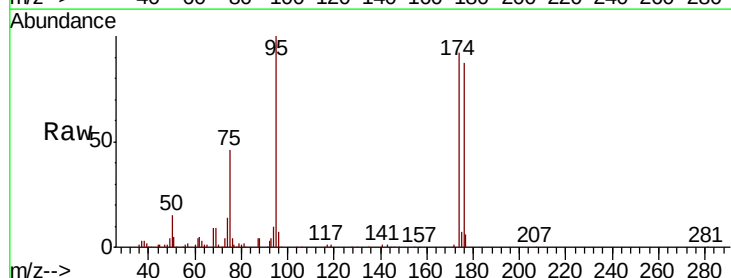
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ClientSampleId :
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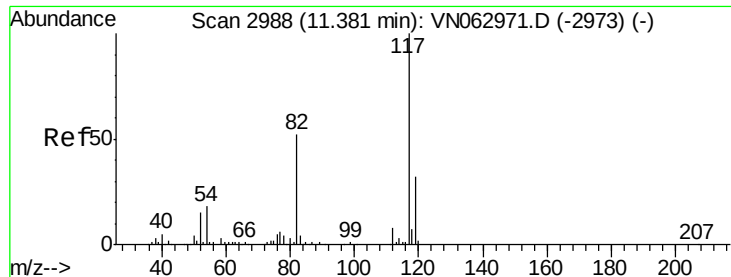
Tot Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
58 0.0 29.5 88.5#



#62
4-Bromofluorobenzene
Concen: 48.506 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

Tgt Ion: 95 Resp: 147279
Ion Ratio Lower Upper
95 100
174 93.0 0.0 185.2
176 88.9 0.0 178.8

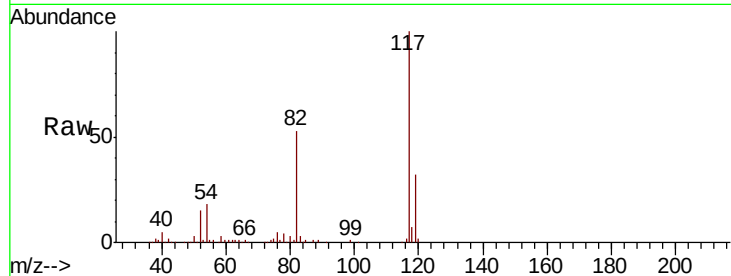




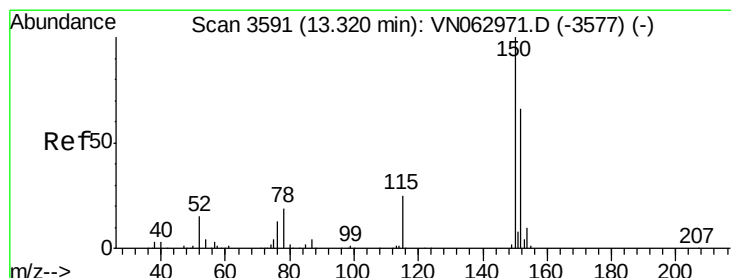
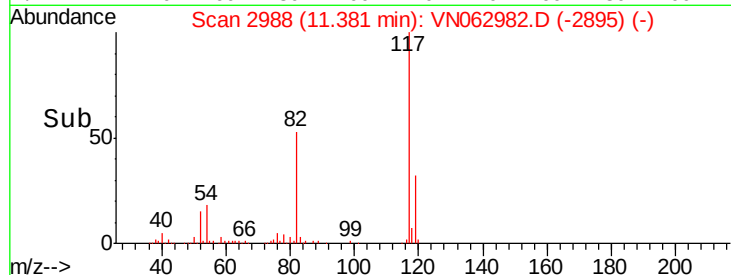
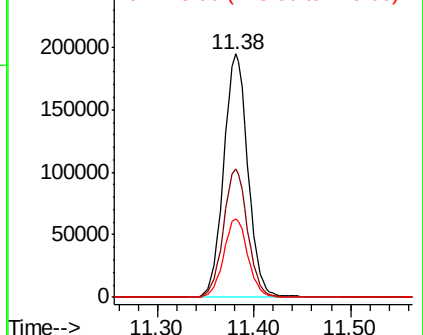
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

Tot Ion:117 Resp: 338049
Ion Ratio Lower Upper
117 100
82 52.8 41.3 61.9
119 32.5 25.8 38.8

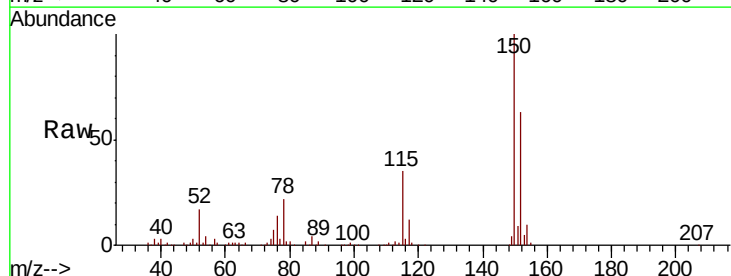


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

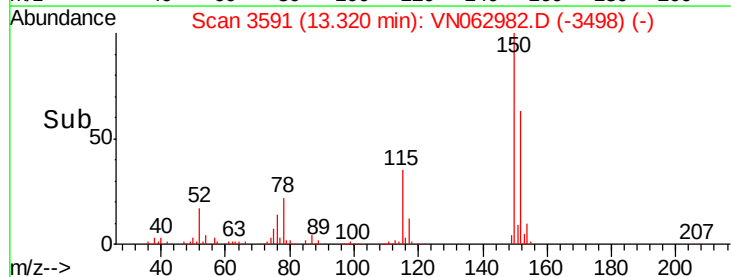
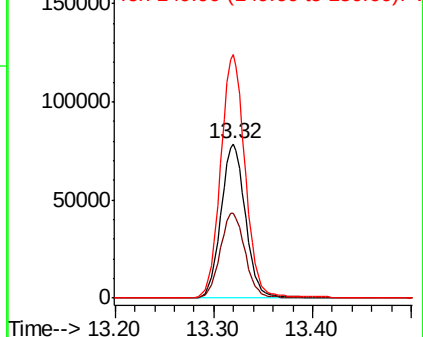


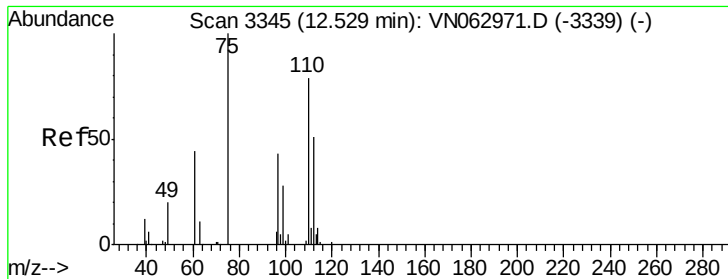
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062982.D
Acq: 17 Aug 2020 20:44

Tgt Ion:152 Resp: 137508
Ion Ratio Lower Upper
152 100
115 55.8 27.1 81.3
150 157.8 0.0 341.4



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: 24.800 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062982.D

Acq: 17 Aug 2020 20:44

Instrument :

MSVOA_N

ClientSampleId :

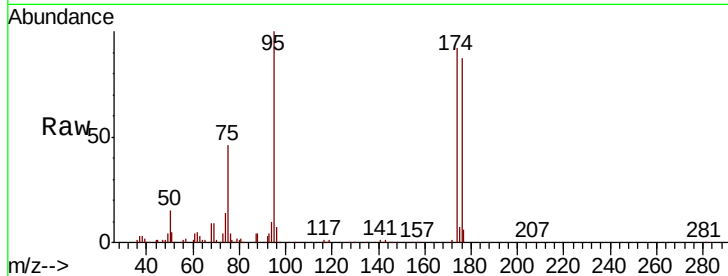
TRIP-BLANK

Tot Ion: 75 Resp: 67519

Ion Ratio Lower Upper

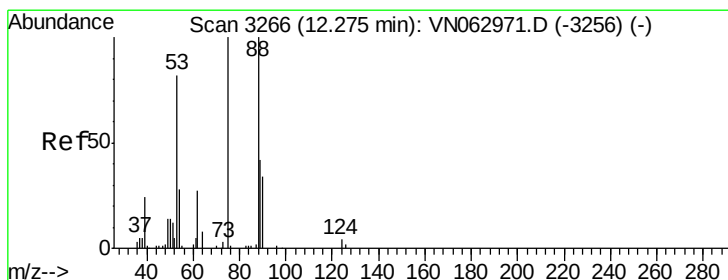
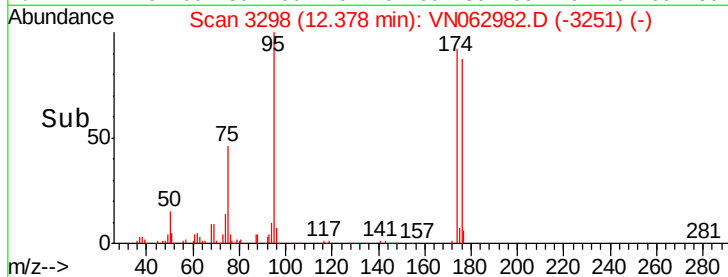
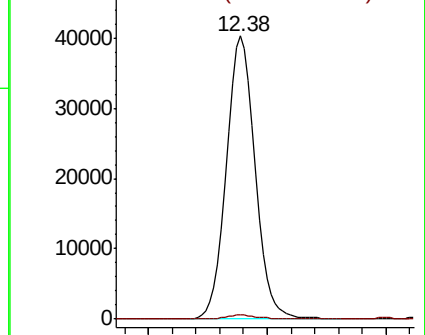
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 66.576 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062982.D

Acq: 17 Aug 2020 20:44

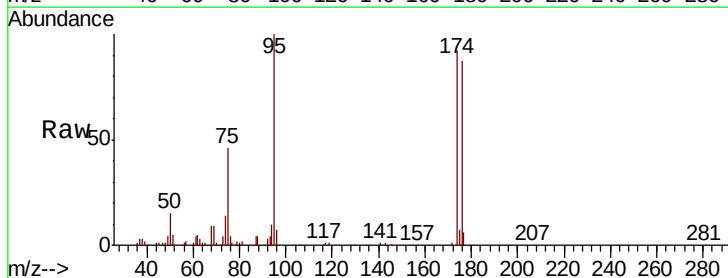
Tgt Ion: 75 Resp: 67519

Ion Ratio Lower Upper

75 100

53 0.0 66.2 99.2#

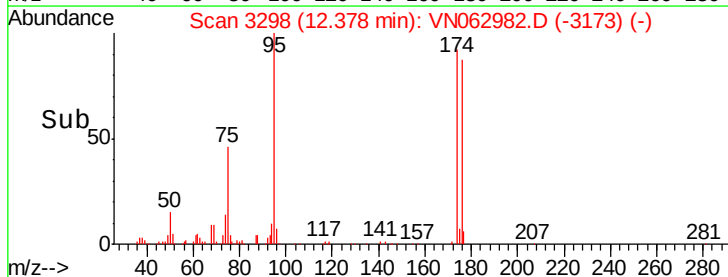
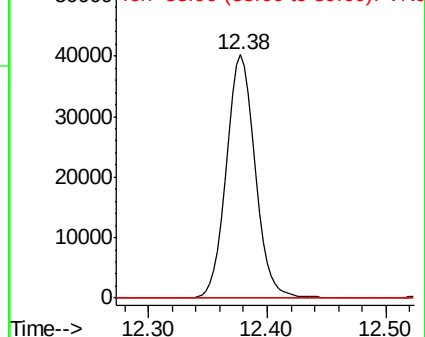
89 0.0 35.0 52.4#

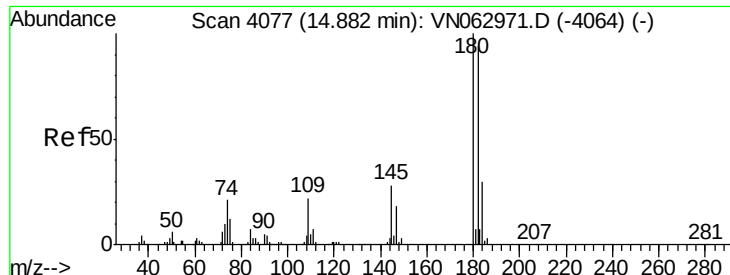


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

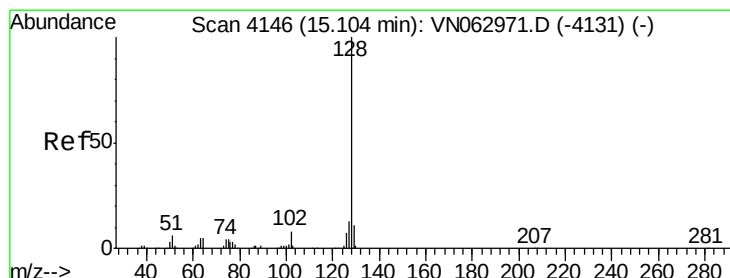
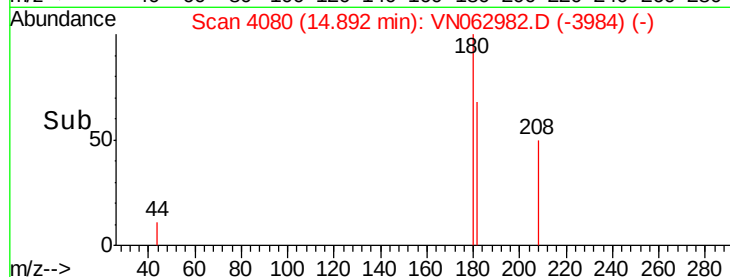
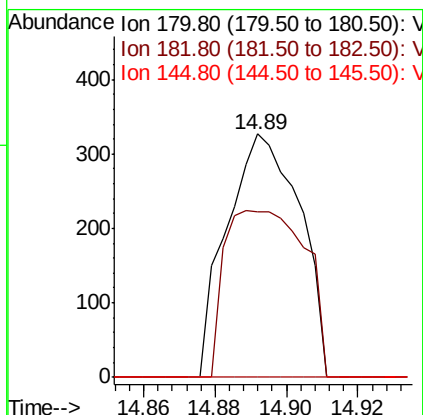
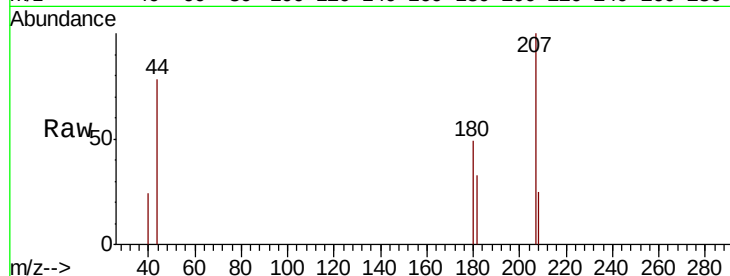




#93
 1,2,4-Trichlorobenzene
 Concen: 4.454 ug/l
 RT: 14.89 min Scan# 4080
 Delta R.T. 0.01 min
 Lab File: VN062982.D
 Acq: 17 Aug 2020 20:44

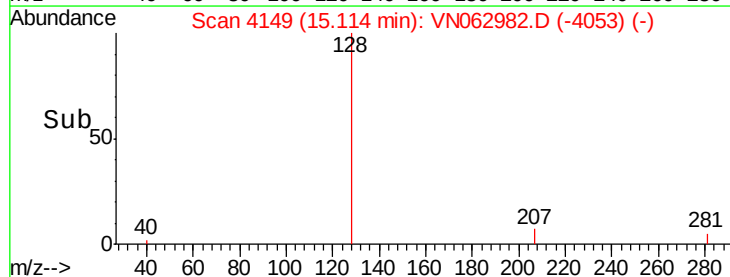
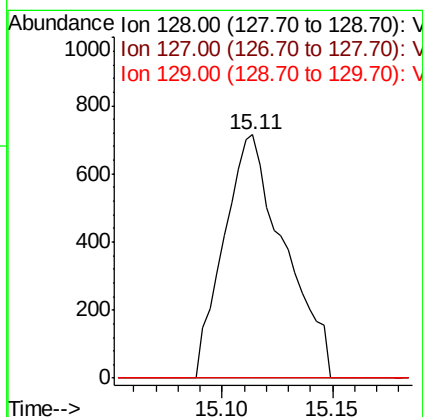
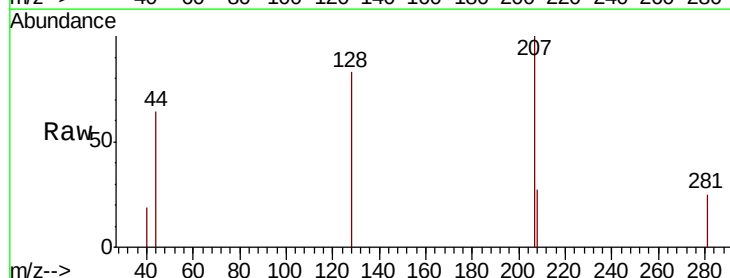
Instrument :
 MSVOA_N
 ClientSampled :
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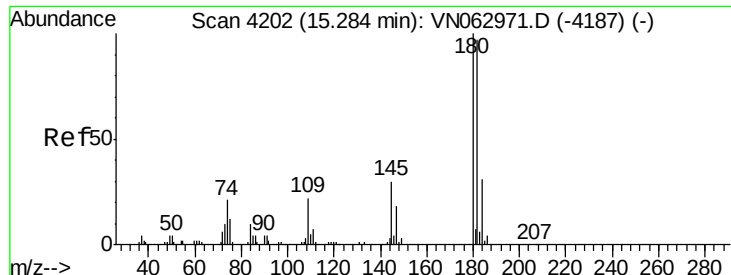
Tot Ion:180 Resp: 462
 Ion Ratio Lower Upper
 180 100
 182 75.8 47.8 143.3
 145 0.0 13.9 41.7#



#95
 Naphthalene
 Concen: Below Cal
 RT: 15.11 min Scan# 4149
 Delta R.T. 0.01 min
 Lab File: VN062982.D
 Acq: 17 Aug 2020 20:44

Tgt Ion:128 Resp: 1362
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.6 12.8#

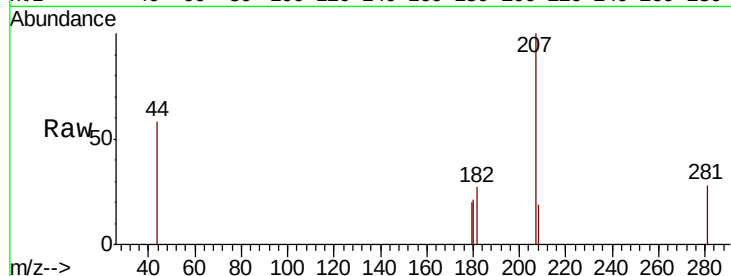




#96
 1,2,3-Trichlorobenzene
 Concen: 3.900 ug/l
 RT: 15.28 min Scan# 4201
 Delta R.T. -0.00 min
 Lab File: VN062982.D
 Acq: 17 Aug 2020 20:44

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Tot Ion	Ratio	Lower	Upper
180	100		
182	118.1	49.3	147.8
145	29.3	15.0	45.0



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

