

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082620\
 Data File : VN063129.D
 Acq On : 26 Aug 2020 13:37
 Operator : JC/MD
 Sample : VN0826WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBL01

Quant Time: Aug 26 15:53:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	154438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	260698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	264023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	117242	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	97956	53.52	ug/l	0.00
Spiked Amount						
			Recovery	=	107.04%	
35) Dibromofluoromethane	7.55	113	85549	50.36	ug/l	0.00
Spiked Amount						
			Recovery	=	100.72%	
50) Toluene-d8	10.06	98	326046	49.97	ug/l	0.00
Spiked Amount						
			Recovery	=	99.94%	
62) 4-Bromofluorobenzene	12.38	95	117532	51.05	ug/l	0.00
Spiked Amount						
			Recovery	=	102.10%	

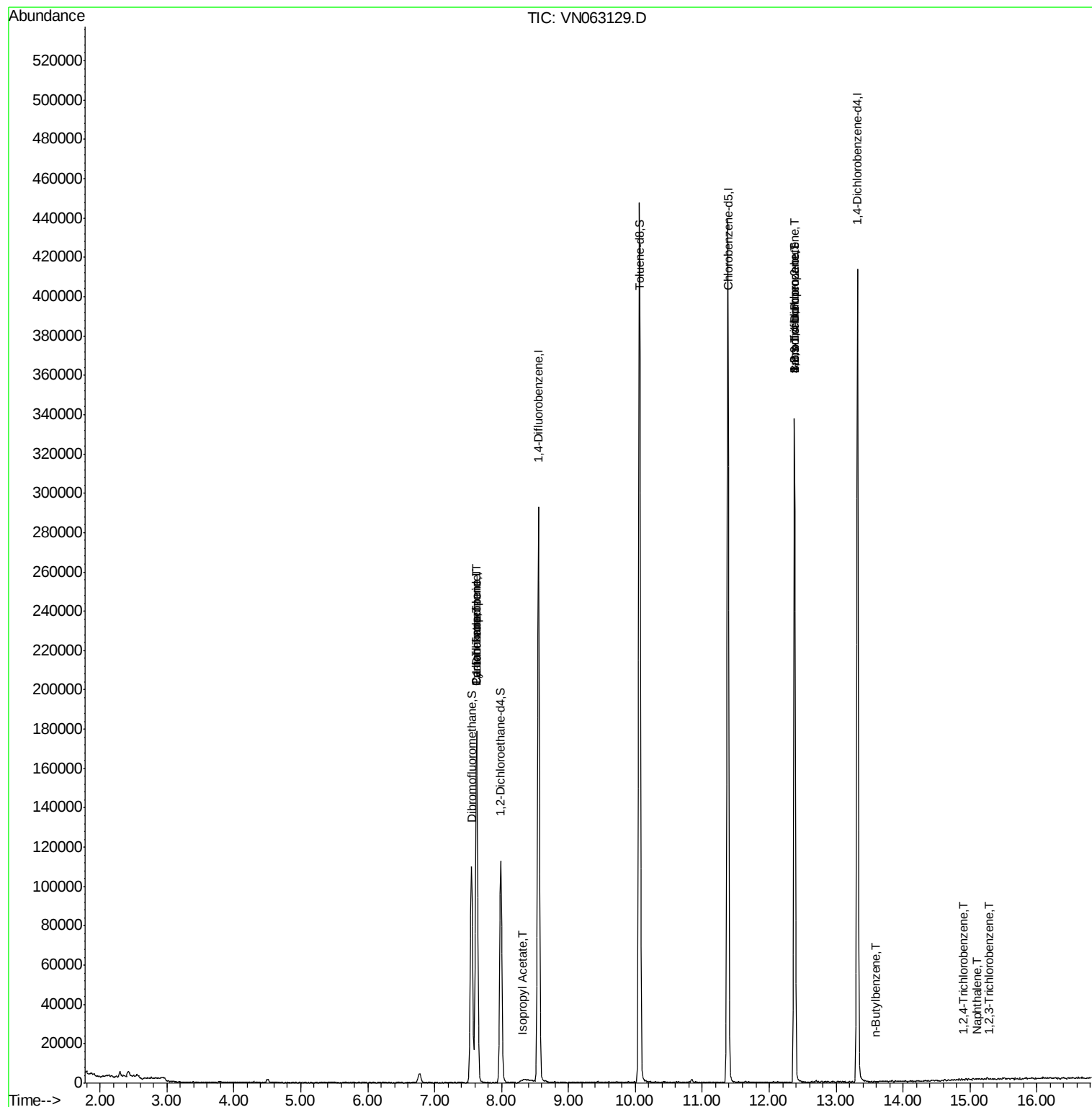
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	856	Below Cal	#	40
20) Methylene Chloride	4.51	84	1276	Below Cal	#	78
31) Cyclohexane	7.63	56	2760	1.023	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10944	4.764	ug/l #	48
38) Carbon Tetrachloride	7.63	117	13819	5.958	ug/l #	17
43) Isopropyl Acetate	8.31	43	1278	0.358	ug/l #	53
71) Bromoform	12.37	173	913	0.556	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	55911	24.534	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	55911	67.381	ug/l #	15
89) n-Butylbenzene	13.59	91	62	2.780	ug/l #	34
93) 1,2,4-Trichlorobenzene	14.90	180	30	4.559	ug/l #	13
95) Naphthalene	15.12	128	445	5.727	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.29	180	62	3.994	ug/l #	13

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

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Aug 26 15:53:06 2020
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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN063129.D

Acq: 26 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

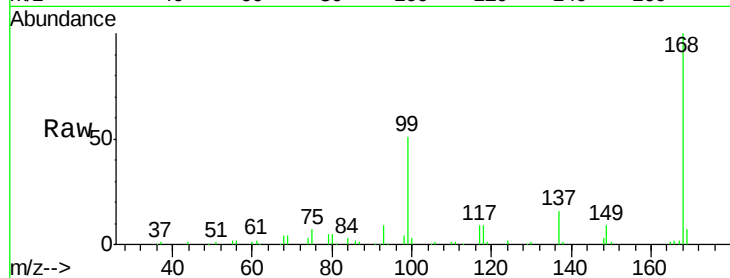
VN0826WBL01

Tgt Ion:168 Resp: 154438

Ion Ratio Lower Upper

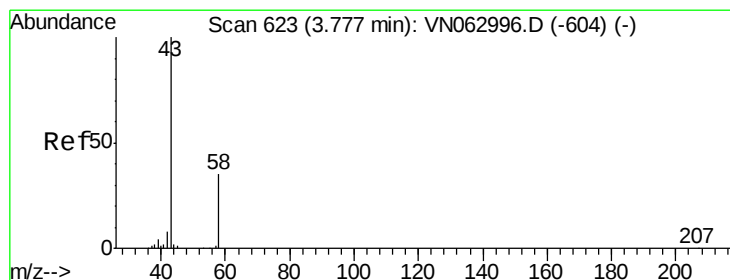
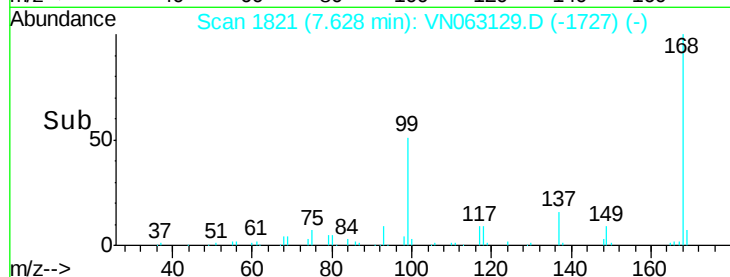
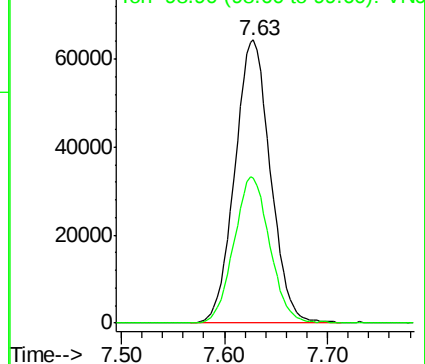
168 100

99 51.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN063129.D

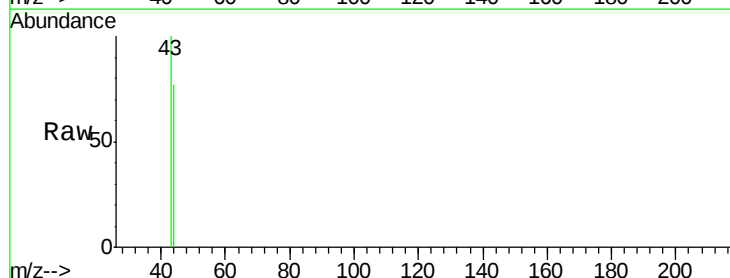
Acq: 26 Aug 2020 13:37

Tgt Ion: 43 Resp: 856

Ion Ratio Lower Upper

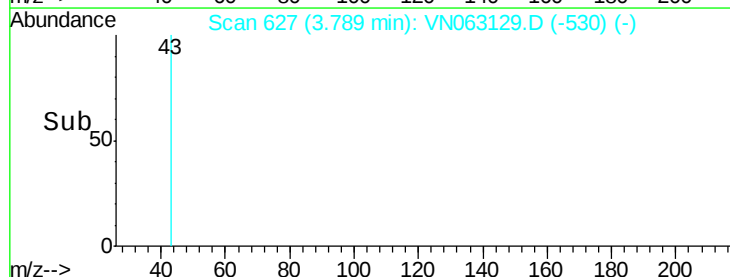
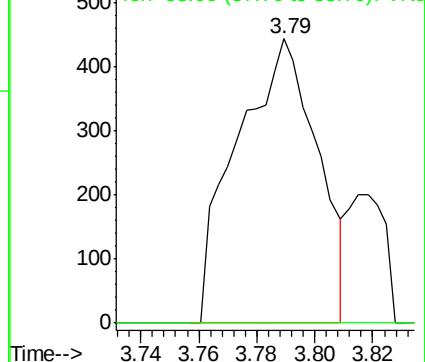
43 100

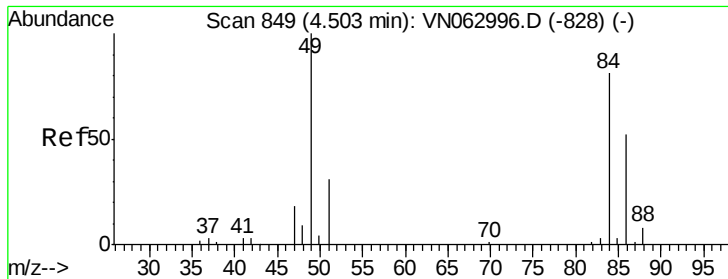
58 0.0 27.8 41.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

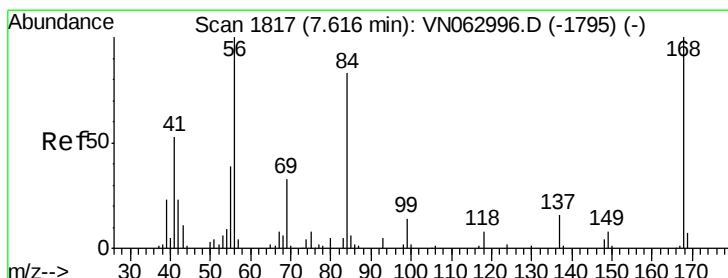
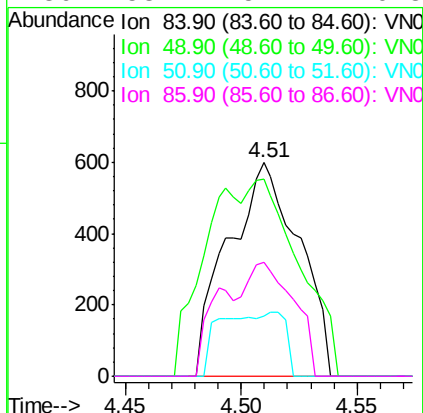
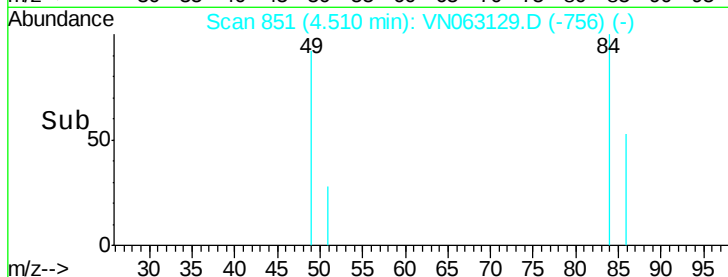
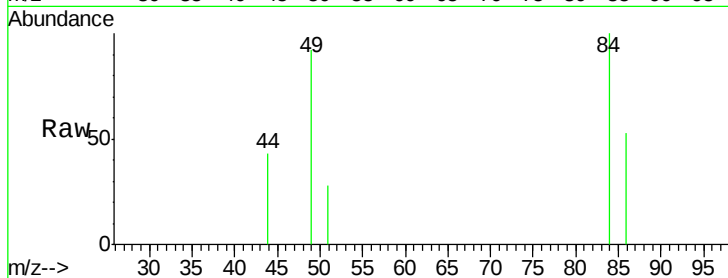




#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN063129.D
Acq: 26 Aug 2020 13:37

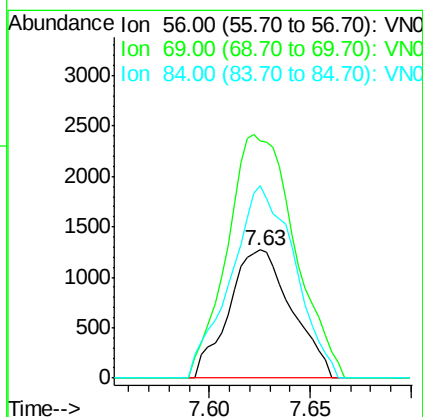
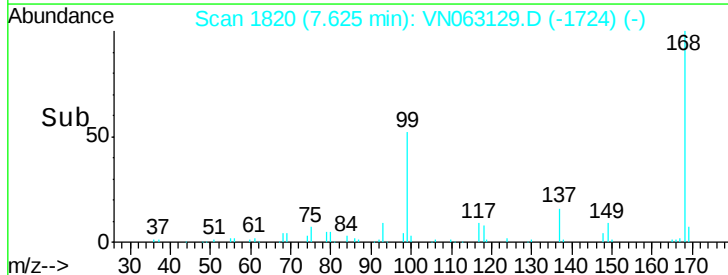
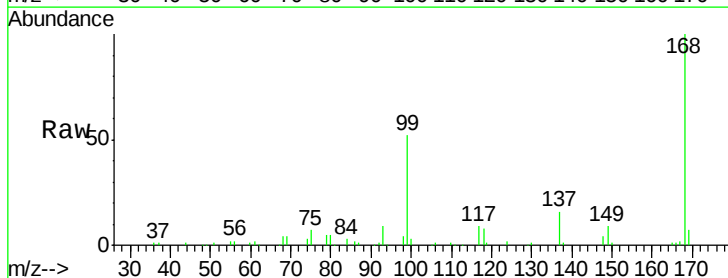
Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

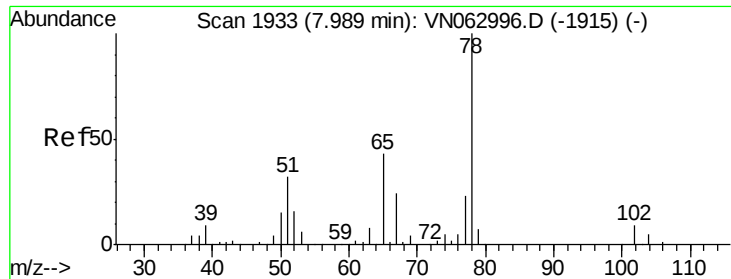
Tgt Ion:	84	Resp:	1276
Ion	Ratio	Lower	Upper
84	100		
49	92.0	98.7	148.1#
51	27.9	30.8	46.2#
86	53.4	51.2	76.8



#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN063129.D
Acq: 26 Aug 2020 13:37

Tgt Ion:	56	Resp:	2760
Ion	Ratio	Lower	Upper
56	100		
69	185.4	26.6	40.0#
84	150.0	66.4	99.6#

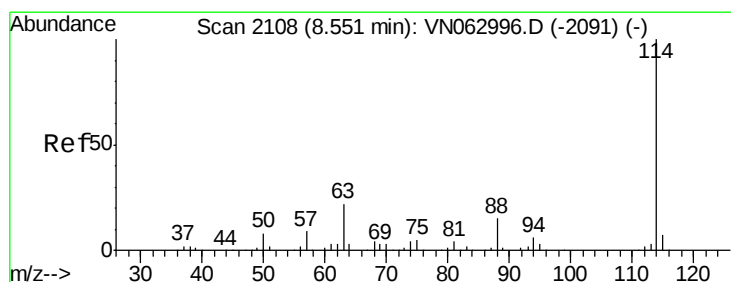
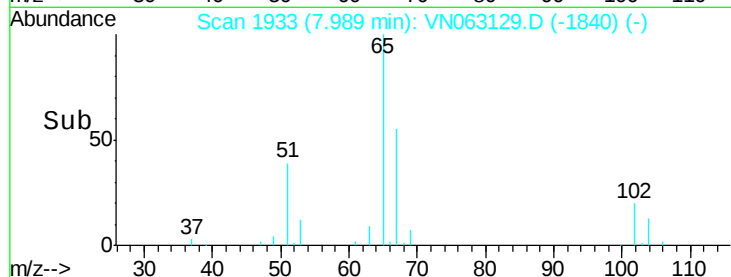
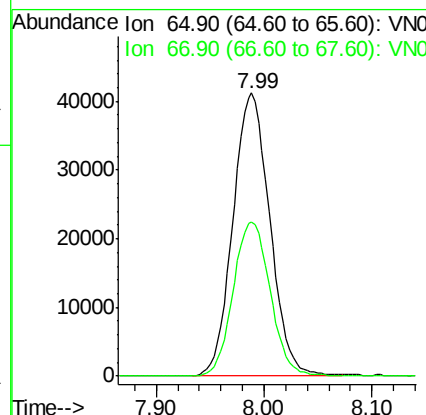
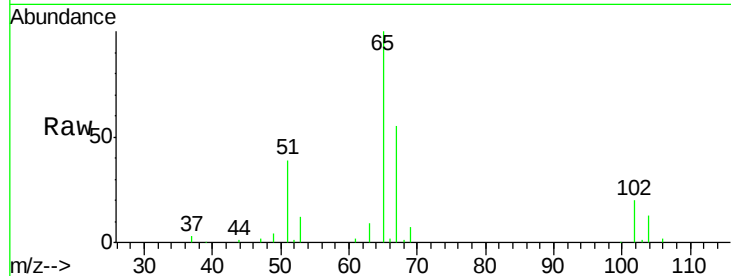




#33
 1,2-Dichloroethane-d4
 Concen: 53.517 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN063129.D
 Acq: 26 Aug 2020 13:37

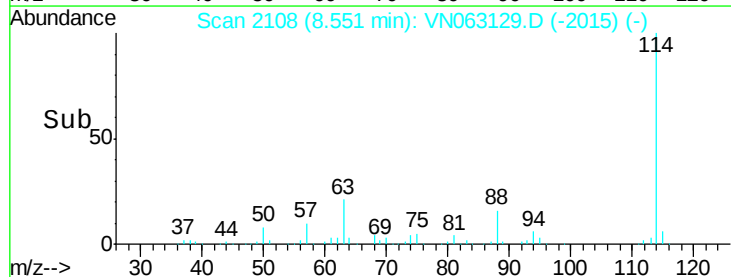
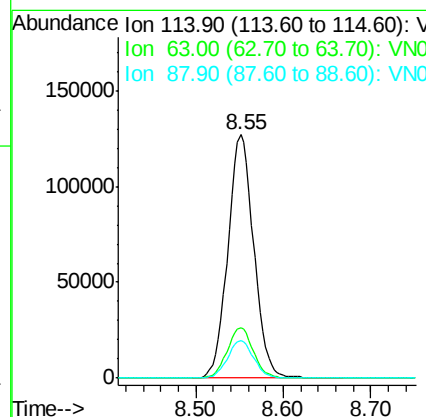
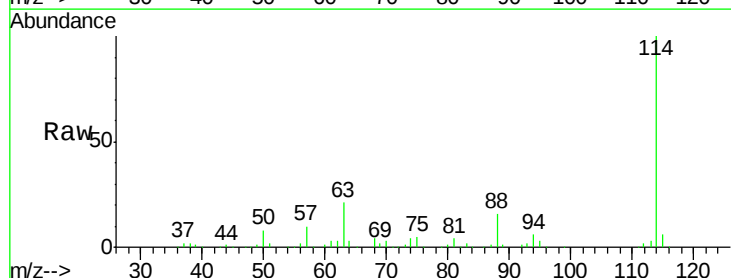
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBL01

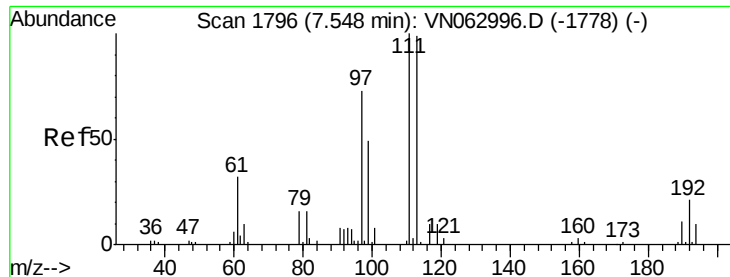
Tgt Ion: 65 Resp: 97956
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063129.D
 Acq: 26 Aug 2020 13:37

Tgt Ion: 114 Resp: 260698
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 15.6 0.0 30.6

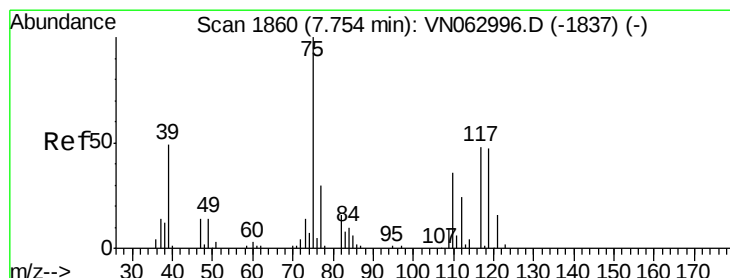
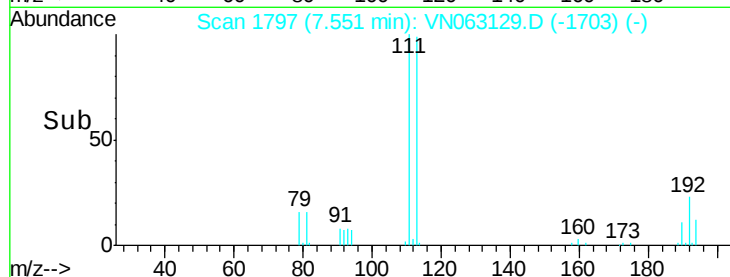
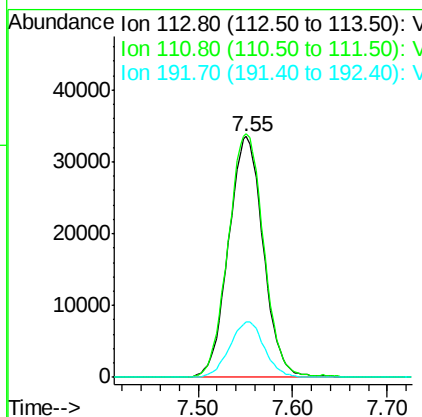
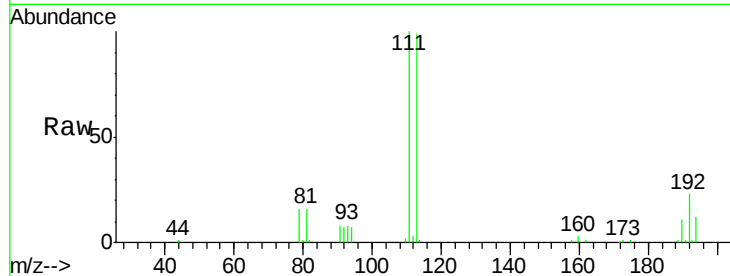




#35
 Dibromofluoromethane
 Concen: 50.361 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN063129.D
 Acq: 26 Aug 2020 13:37

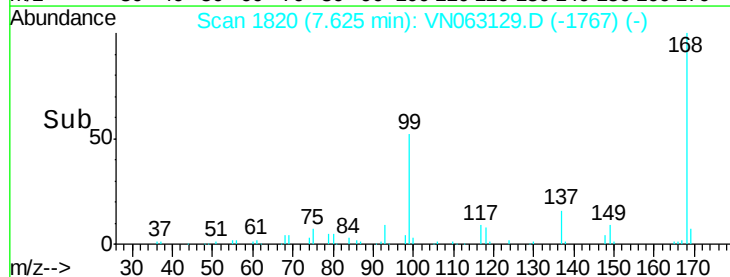
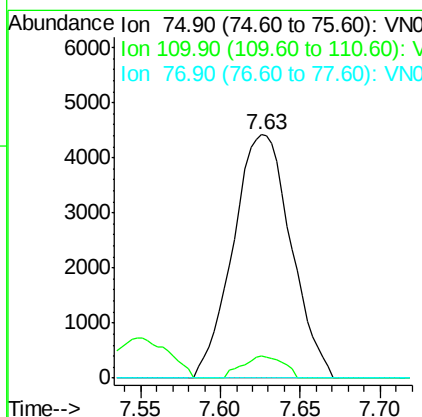
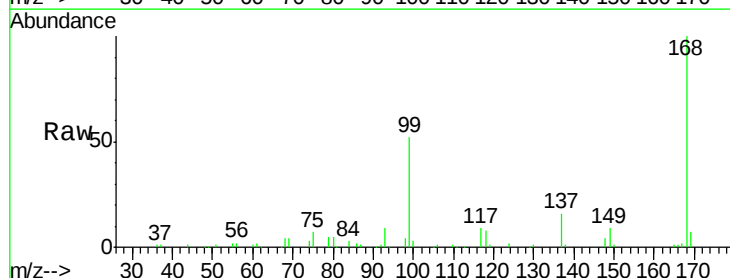
Instrument :
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 ClientSampleId :
 VN0826WBL01

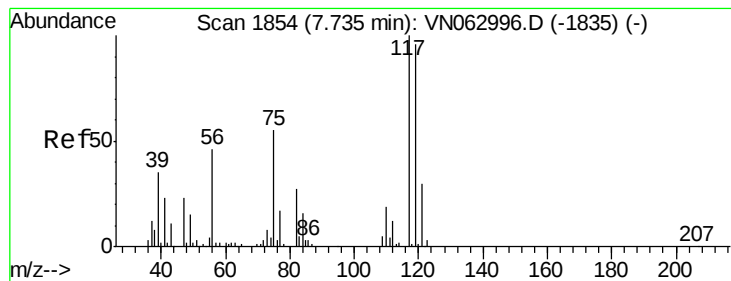
Tgt Ion:113 Resp: 85549
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.7 122.5
 192 22.9 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.764 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063129.D
 Acq: 26 Aug 2020 13:37

Tgt Ion: 75 Resp: 10944
 Ion Ratio Lower Upper
 75 100
 110 6.4 17.5 52.6#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.958 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN063129.D

Acq: 26 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBL01

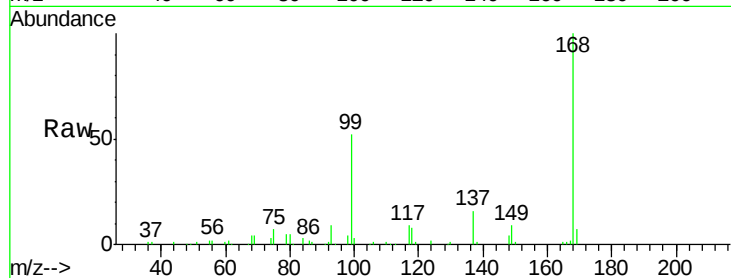
Tgt Ion: 117 Resp: 13819

Ion Ratio Lower Upper

117 100

119 6.4 76.2 114.4#

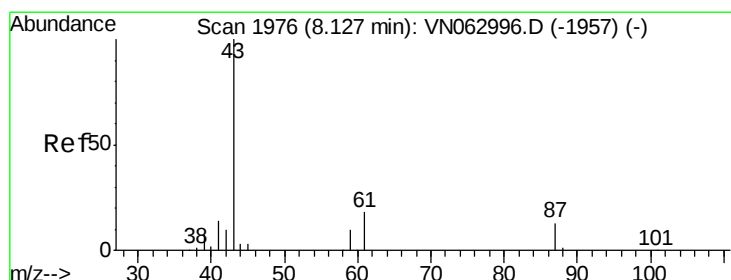
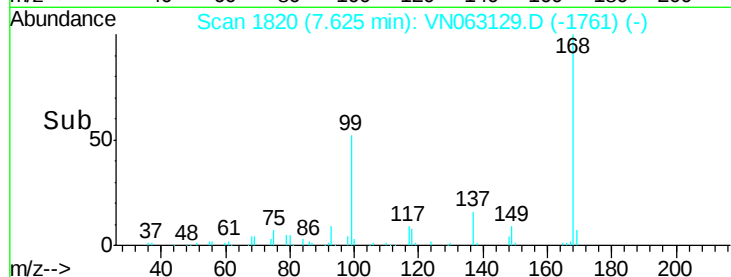
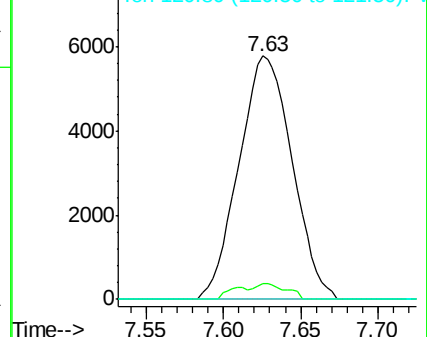
121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.358 ug/l

RT: 8.31 min Scan# 2033

Delta R.T. 0.18 min

Lab File: VN063129.D

Acq: 26 Aug 2020 13:37

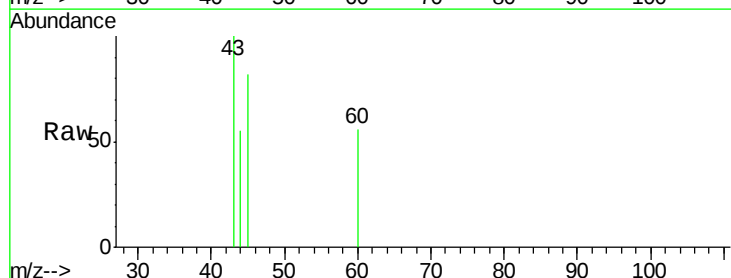
Tgt Ion: 43 Resp: 1278

Ion Ratio Lower Upper

43 100

61 0.0 22.6 33.8#

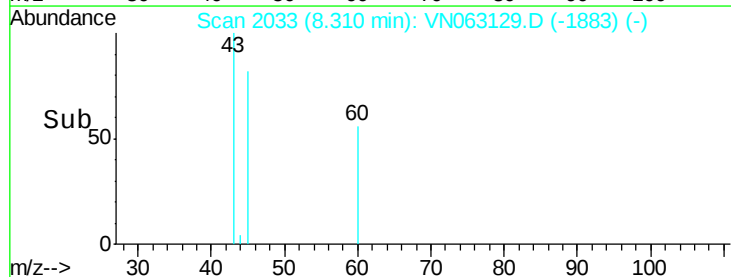
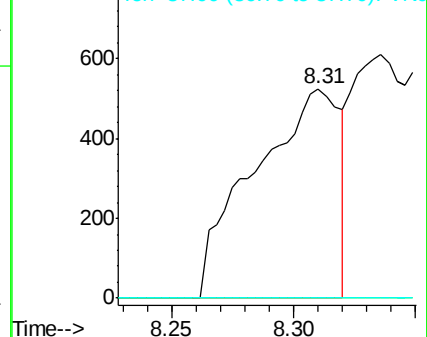
87 0.0 10.5 15.7#

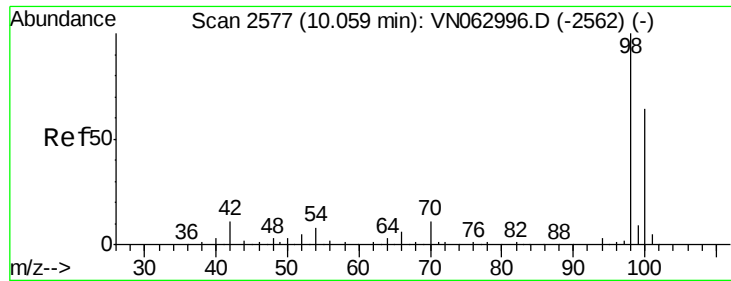


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

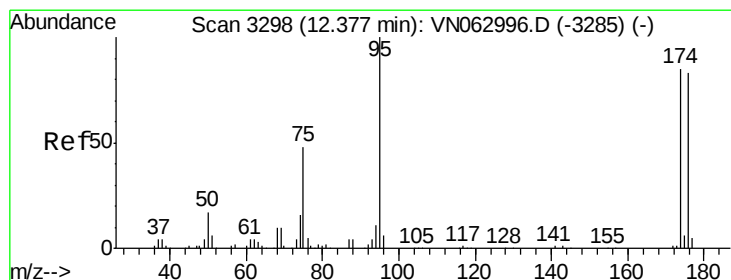
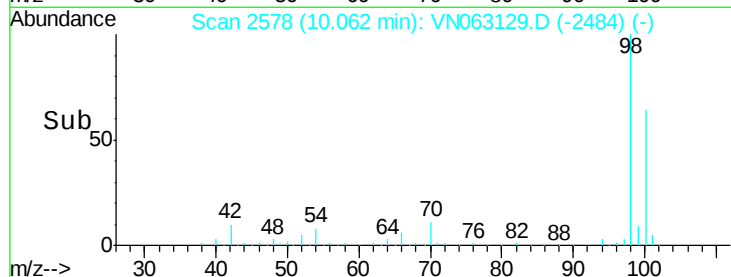
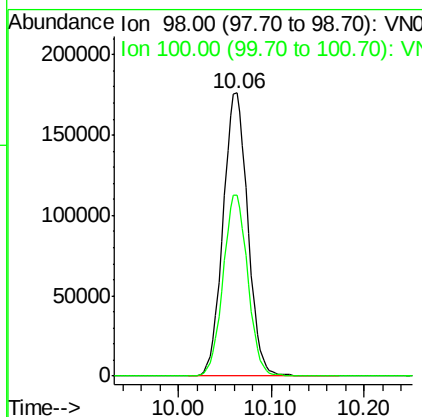
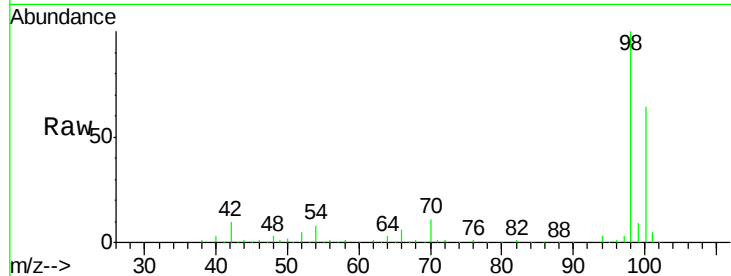




#50
Toluene-d8
Concen: 49.970 ug/l
RT: 10.06 min Scan# 2578
Delta R.T. 0.00 min
Lab File: VN063129.D
Acq: 26 Aug 2020 13:37

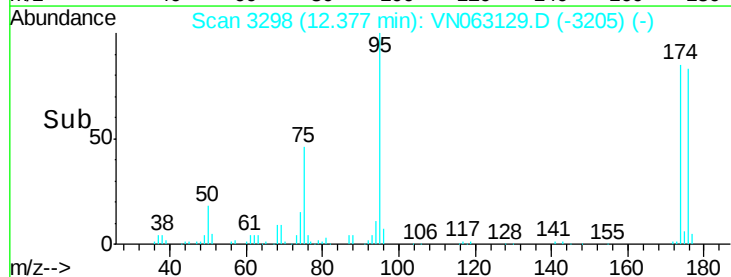
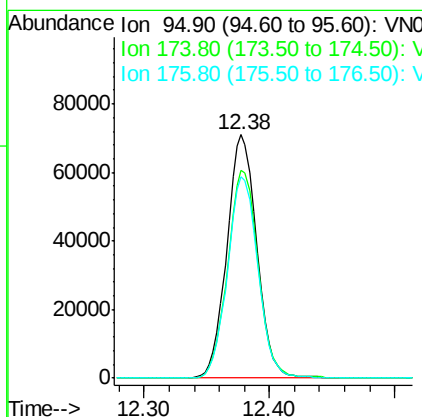
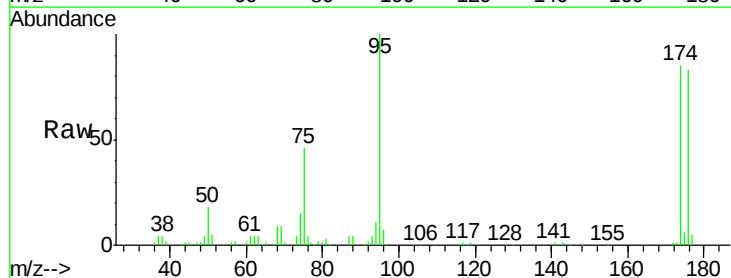
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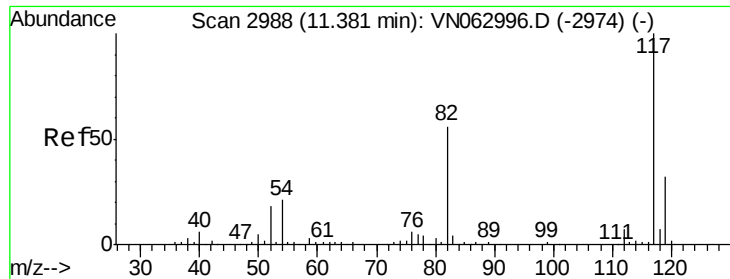
Tgt Ion: 98 Resp: 326046
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 51.046 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063129.D
Acq: 26 Aug 2020 13:37

Tgt Ion: 95 Resp: 117532
Ion Ratio Lower Upper
95 100
174 87.4 0.0 170.8
176 84.3 0.0 164.8

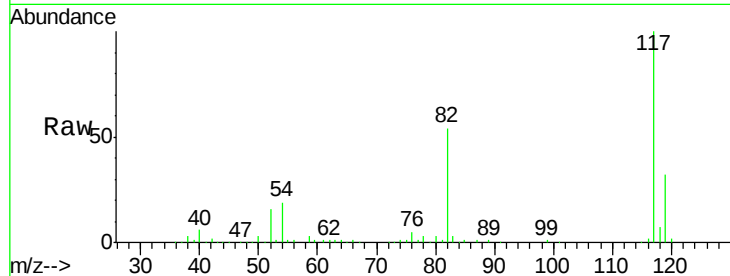




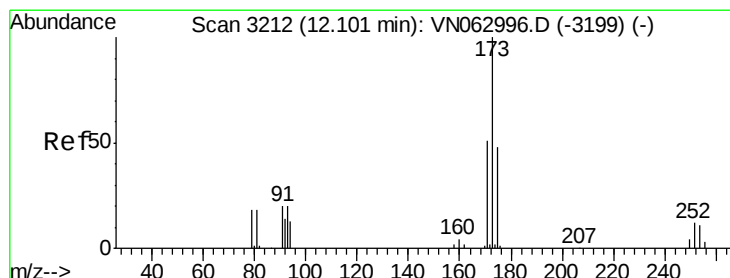
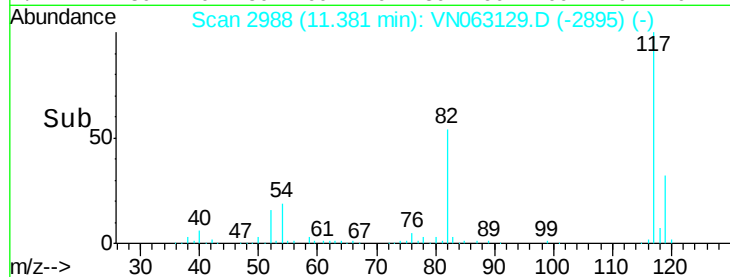
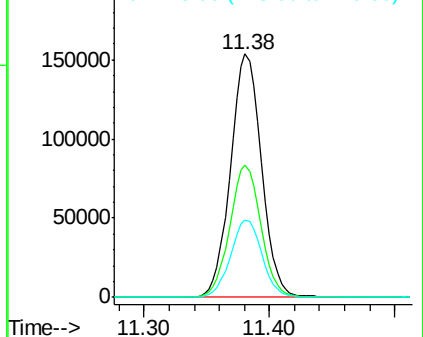
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063129.D
Acq: 26 Aug 2020 13:37

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Tgt Ion:117 Resp: 264023
Ion Ratio Lower Upper
117 100
82 54.4 44.5 66.7
119 31.5 25.5 38.3

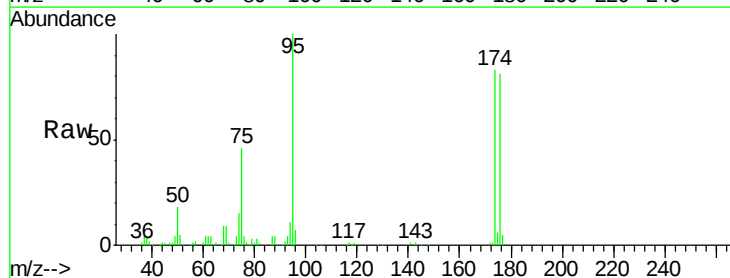


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

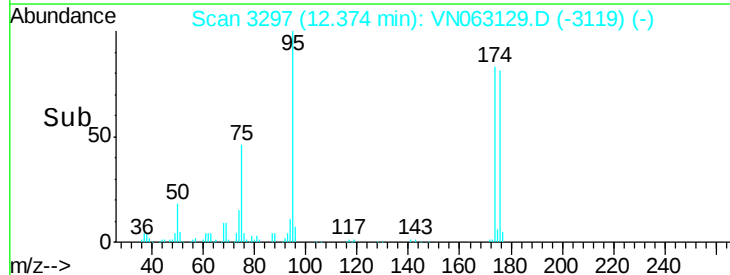
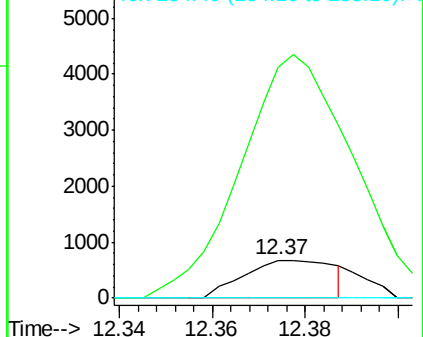


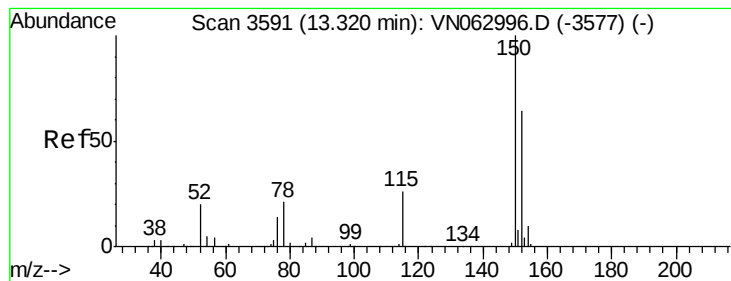
#71
Bromoform
Concen: 0.556 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN063129.D
Acq: 26 Aug 2020 13:37

Tgt Ion:173 Resp: 913
Ion Ratio Lower Upper
173 100
175 649.5 24.3 72.8#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN063129.D

Acq: 26 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampled :

VN0826WBL01

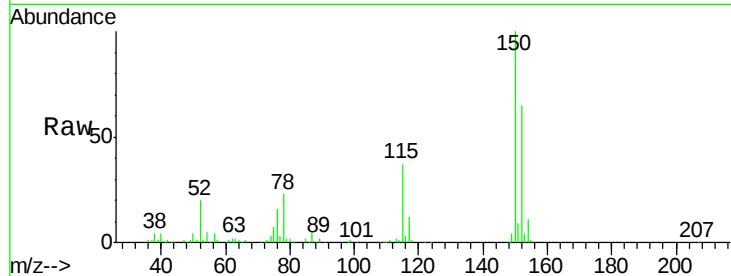
Tgt Ion:152 Resp: 117242

Ion Ratio Lower Upper

152 100

115 56.1 28.7 86.3

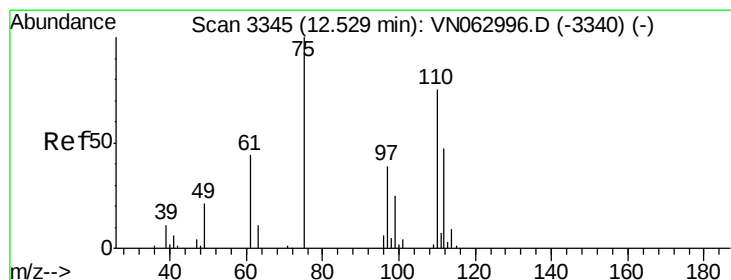
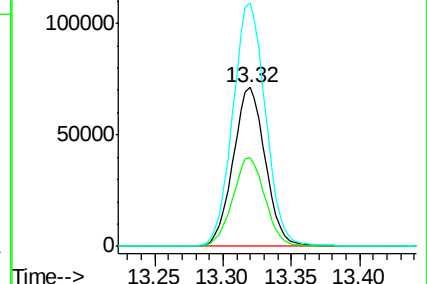
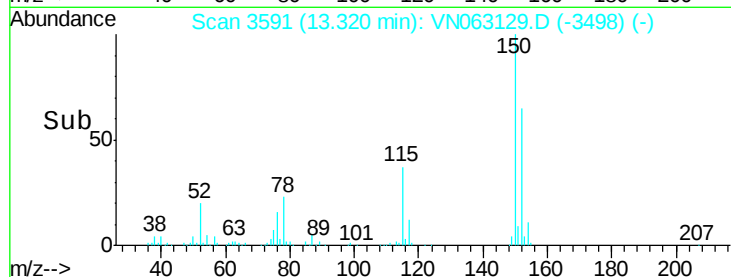
150 156.1 0.0 348.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.534 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063129.D

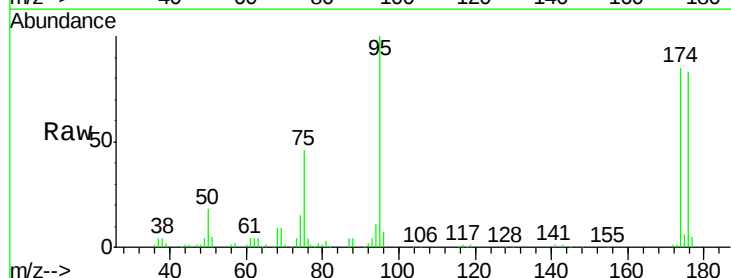
Acq: 26 Aug 2020 13:37

Tgt Ion: 75 Resp: 55911

Ion Ratio Lower Upper

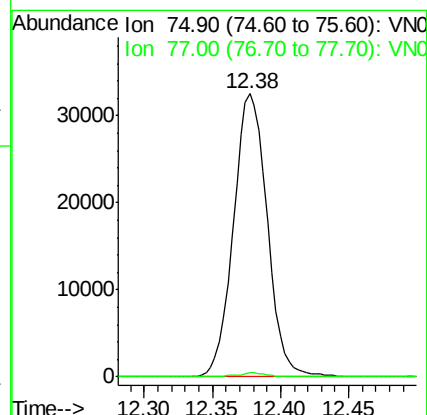
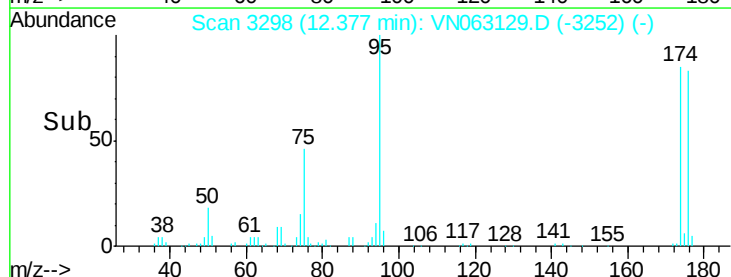
75 100

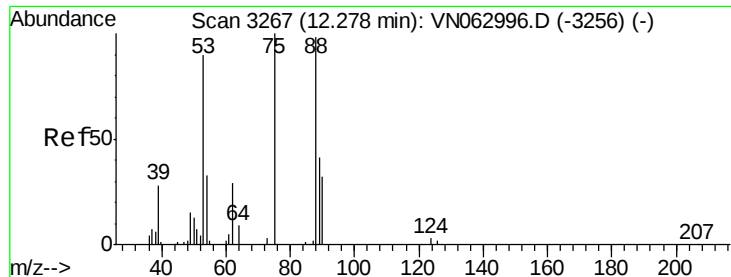
77 1.1 0.0 0.0#



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: 67.381 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063129.D

Acq: 26 Aug 2020 13:37

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBL01

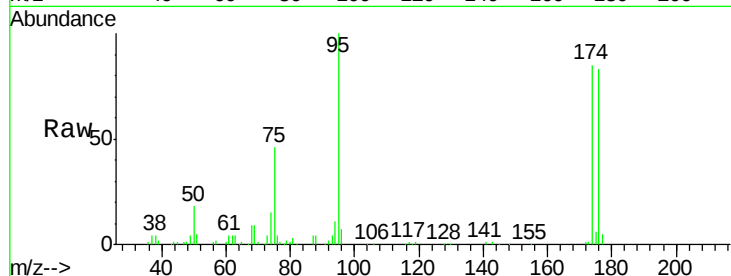
Tgt Ion: 75 Resp: 55911

Ion Ratio Lower Upper

75 100

53 0.0 69.2 103.8#

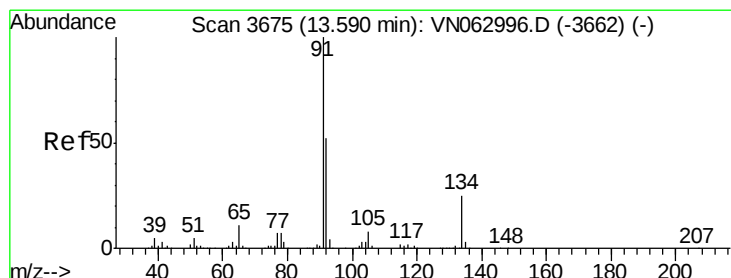
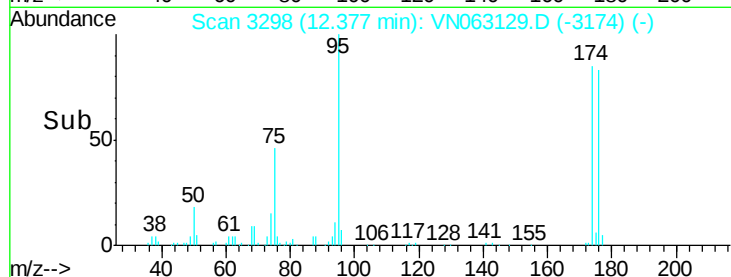
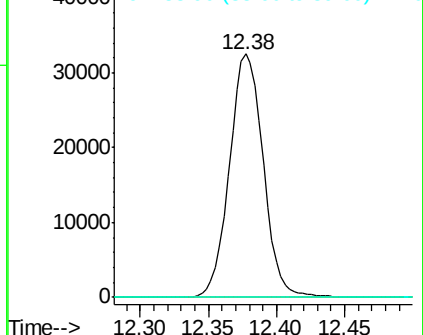
89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#89

n-Butylbenzene

Concen: 2.780 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN063129.D

Acq: 26 Aug 2020 13:37

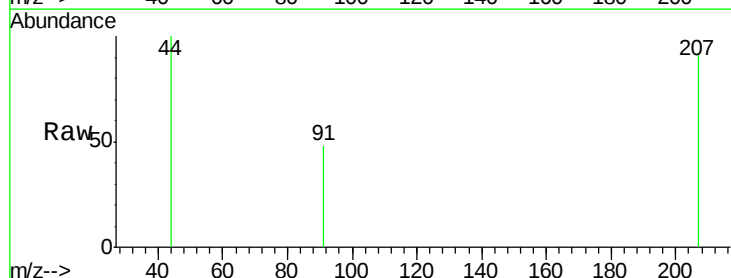
Tgt Ion: 91 Resp: 62

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

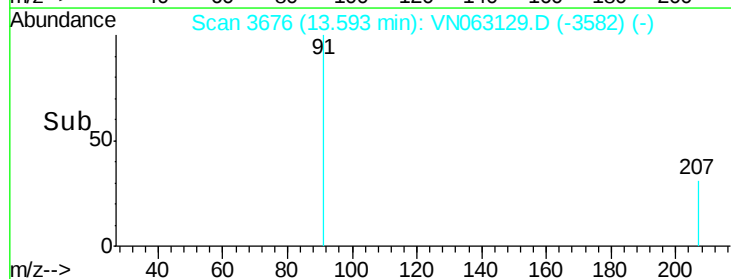
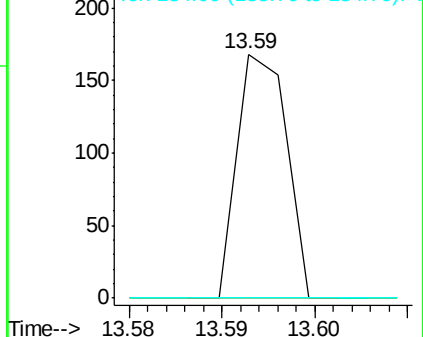
134 0.0 12.4 37.0#

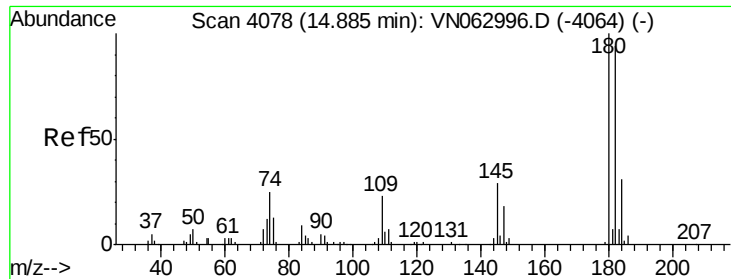


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

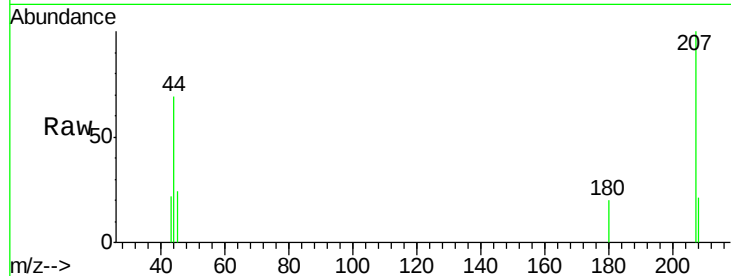




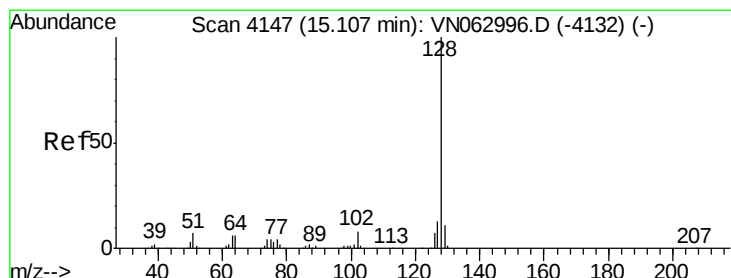
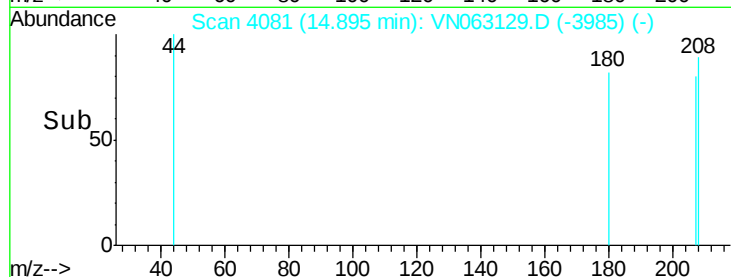
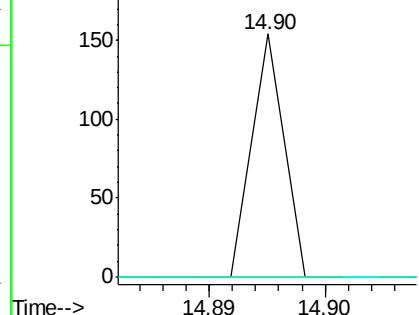
#93
 1,2,4-Trichlorobenzene
 Concen: 4.559 ug/l
 RT: 14.90 min Scan# 4081
 Delta R.T. 0.01 min
 Lab File: VN063129.D
 Acq: 26 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBL01

Tgt Ion:180 Resp: 30
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.0 141.2#
 145 0.0 14.1 42.4#

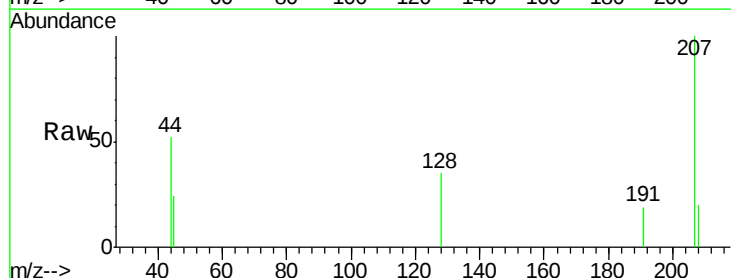


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

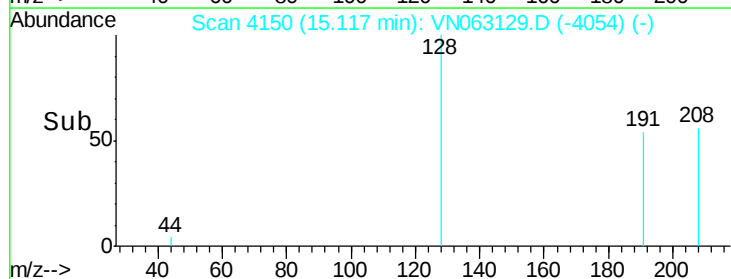
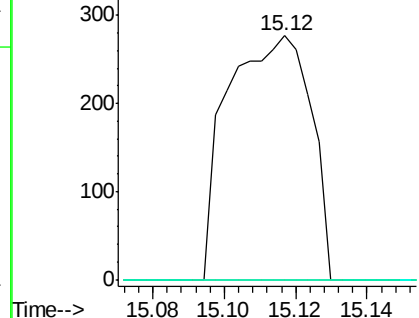


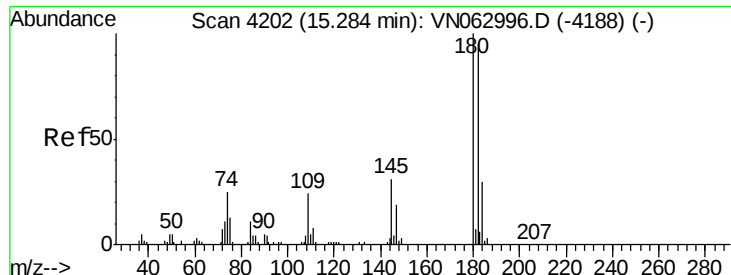
#95
 Naphthalene
 Concen: 5.727 ug/l
 RT: 15.12 min Scan# 4150
 Delta R.T. 0.01 min
 Lab File: VN063129.D
 Acq: 26 Aug 2020 13:37

Tgt Ion:128 Resp: 445
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.9 13.3#



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

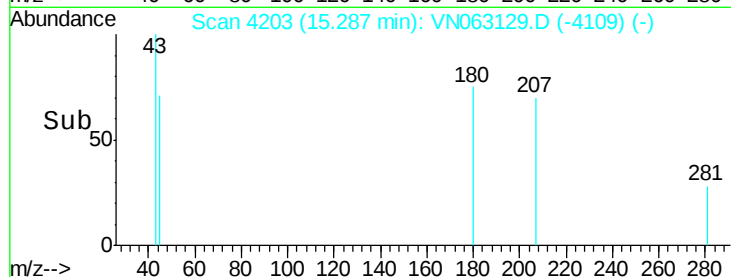
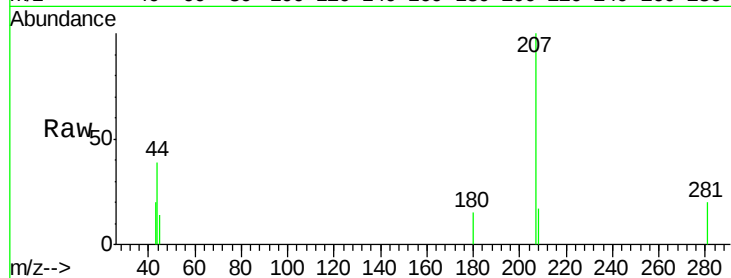




#96
 1,2,3-Trichlorobenzene
 Concen: 3.994 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN063129.D
 Acq: 26 Aug 2020 13:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.9#
145	0.0	15.6	46.7#



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

