

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061224\
 Data File : VN082529.D
 Acq On : 12 Jun 2024 15:22
 Operator : JC\MD
 Sample : P2839-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-GW-238-240

Quant Time: Jun 12 16:05:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 05:21:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

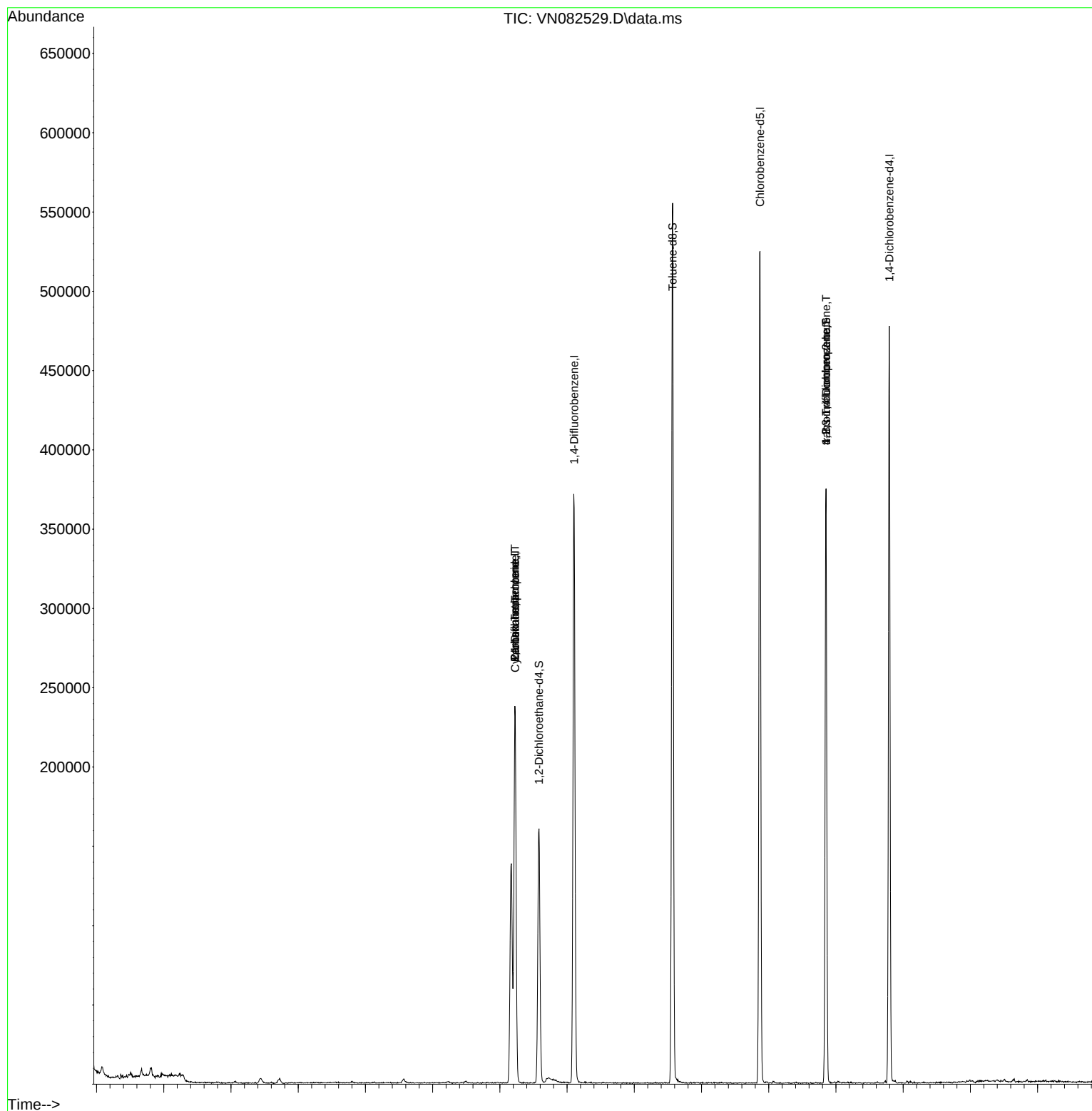
Internal Standards						
1) Pentafluorobenzene	8.224	168	166131	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	300440	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	288780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	134073	51.109	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.220%			
35) Dibromofluoromethane	8.171	113	101054	54.678	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.360%			
50) Toluene-d8	10.570	98	365523	51.586	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.180%			
62) 4-Bromofluorobenzene	12.853	95	119375	47.201	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 94.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1452	0.535	ug/l #	87
5) Bromomethane	2.971	94	908	0.619	ug/l #	71
10) Methyl Iodide	4.588	142	502	0.256	ug/l #	40
13) Acrolein	4.200	56	64	0.205	ug/l #	15
16) Acetone	4.441	43	6664	6.193	ug/l	93
17) Carbon Disulfide	4.718	76	4725	0.806	ug/l	97
24) 1,1-Dichloroethane	6.571	63	4257	1.018	ug/l #	81
25) 2-Butanone	7.488	43	1784	1.093	ug/l #	43
31) Cyclohexane	8.229	56	4883	1.165	ug/l #	45
36) 1,1-Dichloropropene	8.224	75	15840	5.110	ug/l #	49
37) Ethyl Acetate	7.488	43	1784	0.514	ug/l #	68
38) Carbon Tetrachloride	8.224	117	18435	5.867	ug/l #	16
43) Isopropyl Acetate	8.724	43	3829	0.623	ug/l #	52
49) 1,4-Dioxane	9.712	88	60	1.462	ug/l #	28
71) Bromoform	12.582	173	55	0.733	ug/l #	28
76) 1,2,3-Trichloropropane	12.853	75	69793	27.456	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	69793	64.218	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.405	180	625	0.284	ug/l #	59
94) Hexachlorobutadiene	15.511	225	409	0.424	ug/l #	68
95) Naphthalene	15.641	128	1988	0.289	ug/l #	77
96) 1,2,3-Trichlorobenzene	15.841	180	627	0.285	ug/l #	78

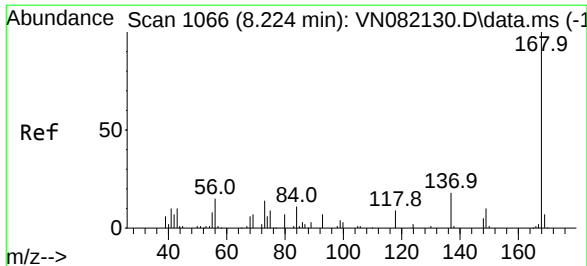
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-238-240

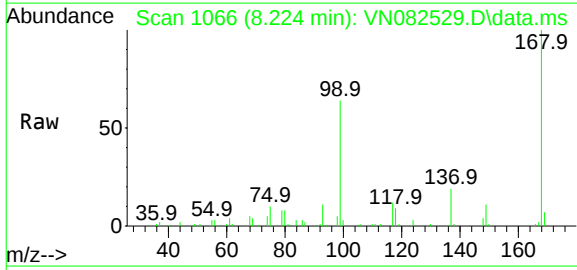
Quant Time: Jun 12 16:05:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Thu May 16 05:21:06 2024
Response via : Initial Calibration



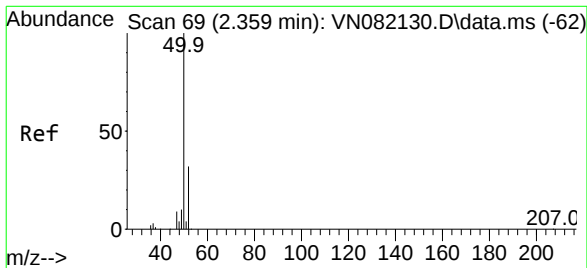
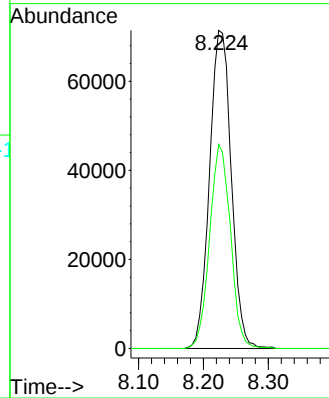
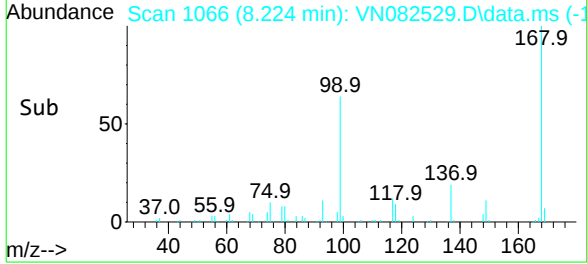


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-238-240

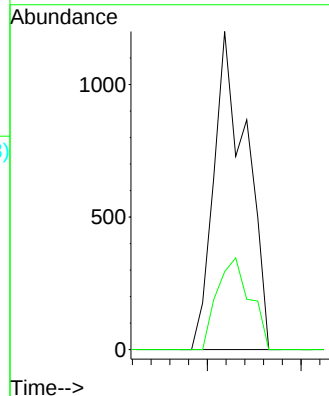
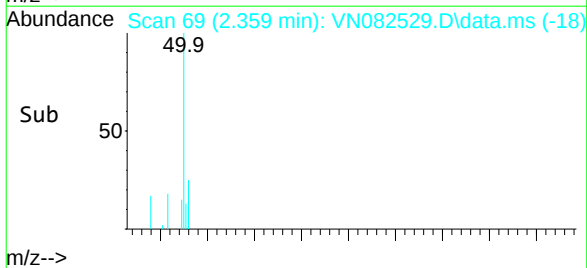
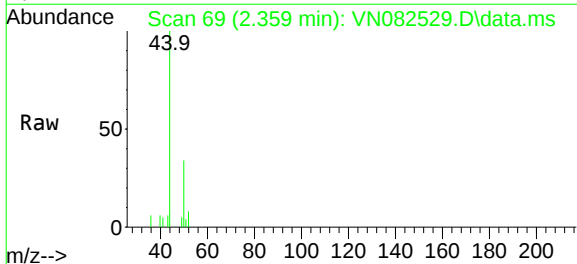


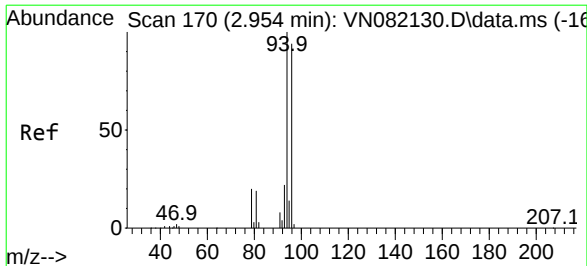
Tgt Ion:168 Resp: 166131
Ion Ratio Lower Upper
168 100
99 64.1 48.2 72.4



#3
Chloromethane
Concen: 0.535 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

Tgt Ion: 50 Resp: 1452
Ion Ratio Lower Upper
50 100
52 24.5 25.5 38.3#

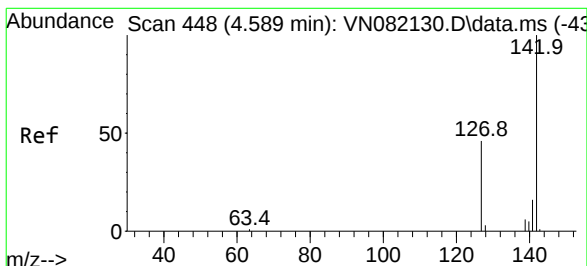
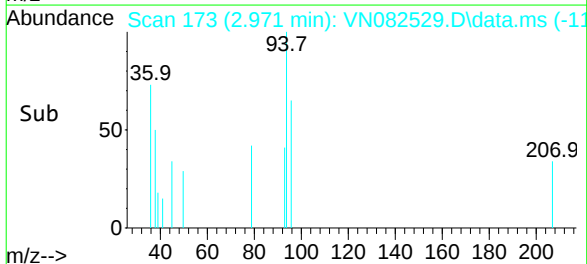
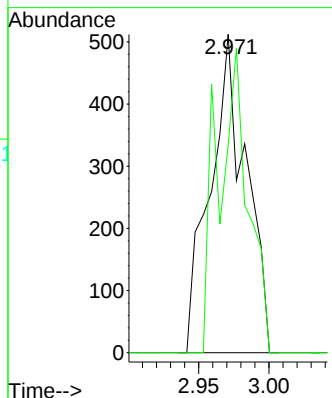
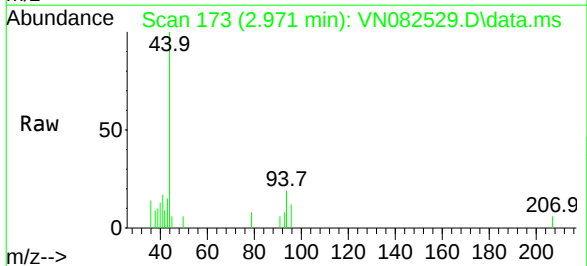




#5
Bromomethane
Concen: 0.619 ug/l
RT: 2.971 min Scan# 17
Delta R.T. 0.017 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

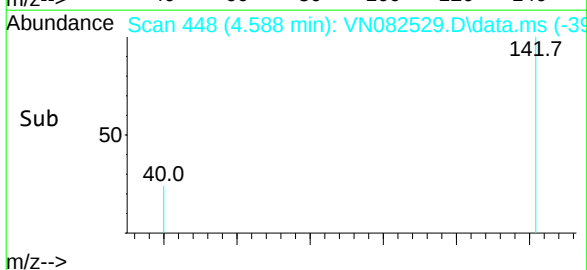
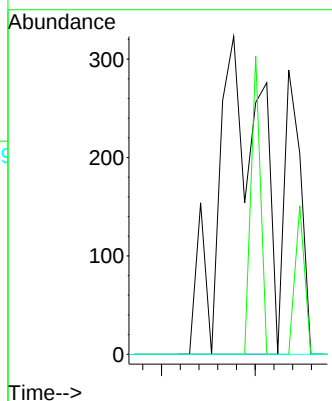
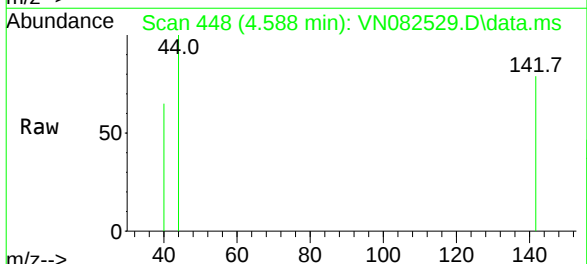
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-238-240

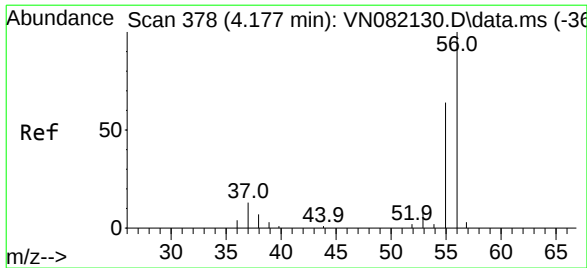
Tgt Ion: 94 Resp: 908
Ion Ratio Lower Upper
94 100
96 65.2 74.8 112.2#



#10
Methyl Iodide
Concen: 0.256 ug/l
RT: 4.588 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

Tgt Ion: 142 Resp: 502
Ion Ratio Lower Upper
142 100
127 0.0 35.8 53.6#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: 0.205 ug/l

RT: 4.200 min Scan# 38

Delta R.T. 0.023 min

Lab File: VN082529.D

Acq: 12 Jun 2024 15:22

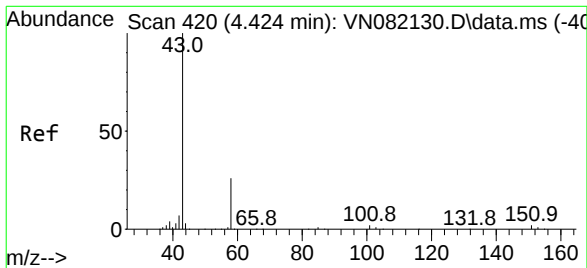
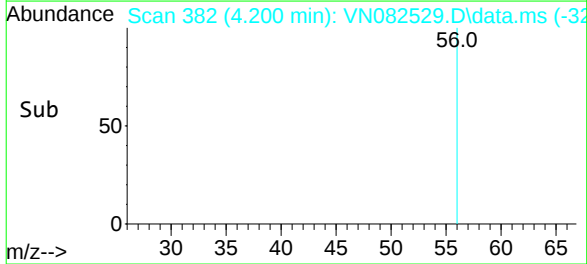
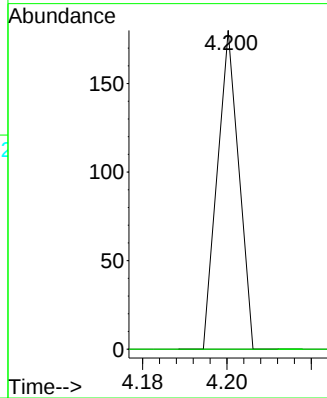
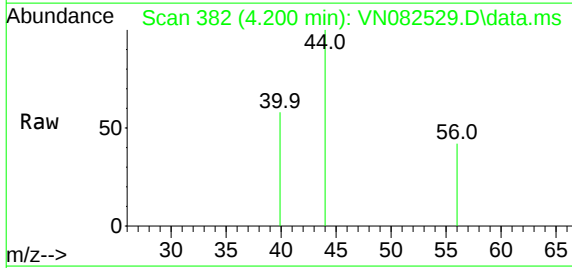
Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-238-240

Tgt Ion: 56 Resp: 64
 Ion Ratio Lower Upper
 56 100
 55 0.0 55.8 83.8#



#16

Acetone

Concen: 6.193 ug/l

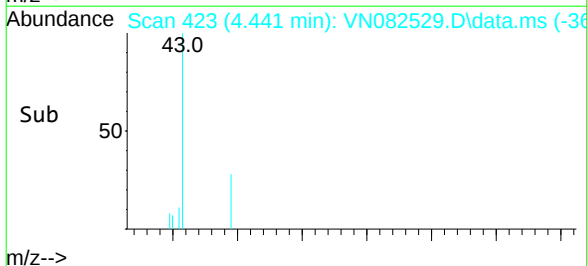
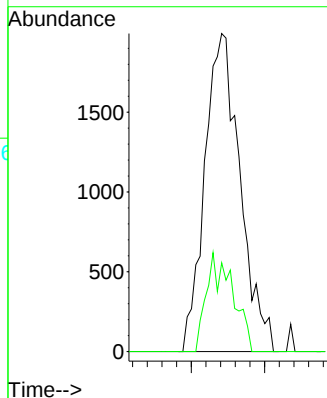
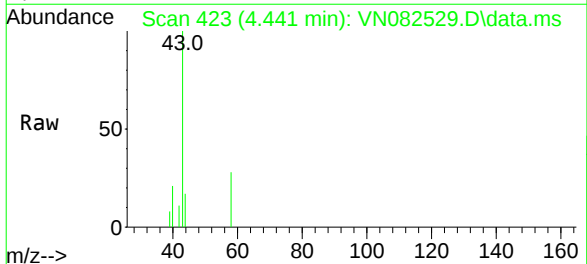
RT: 4.441 min Scan# 423

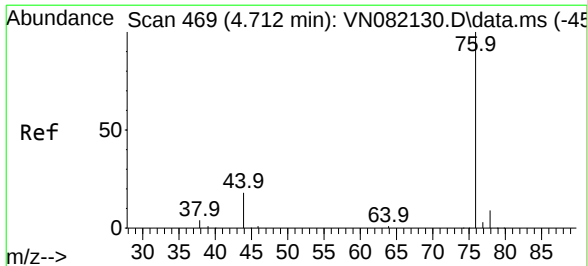
Delta R.T. 0.017 min

Lab File: VN082529.D

Acq: 12 Jun 2024 15:22

Tgt Ion: 43 Resp: 6664
 Ion Ratio Lower Upper
 43 100
 58 27.9 25.2 37.8





#17

Carbon Disulfide

Concen: 0.806 ug/l

RT: 4.718 min Scan# 47

Delta R.T. 0.006 min

Lab File: VN082529.D

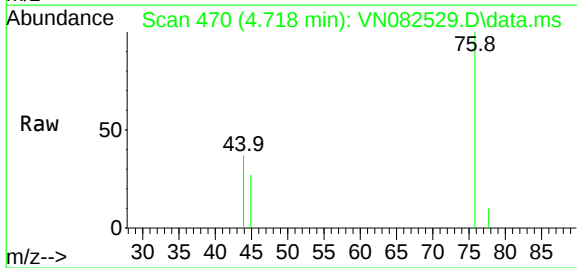
Acq: 12 Jun 2024 15:22

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-238-240

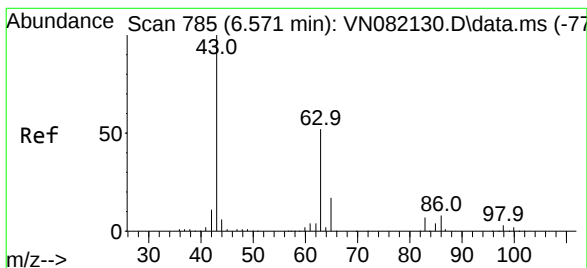
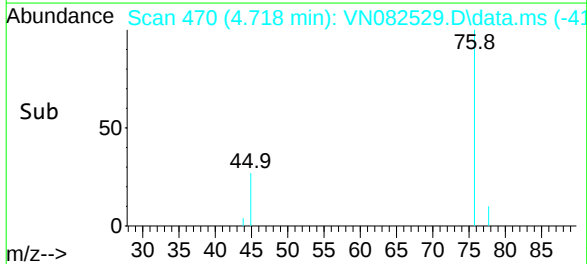
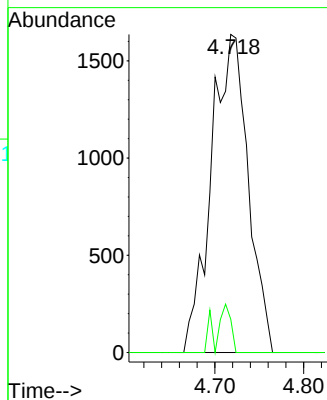


Tgt Ion: 76 Resp: 4725

Ion Ratio Lower Upper

76 100

78 10.5 7.5 11.3



#24

1,1-Dichloroethane

Concen: 1.018 ug/l

RT: 6.571 min Scan# 785

Delta R.T. -0.000 min

Lab File: VN082529.D

Acq: 12 Jun 2024 15:22

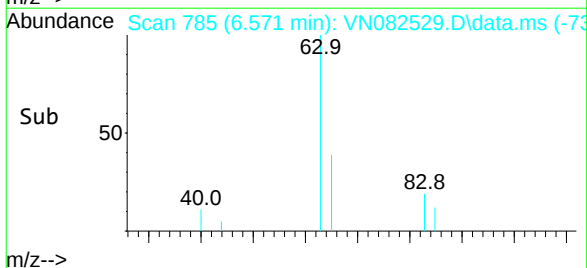
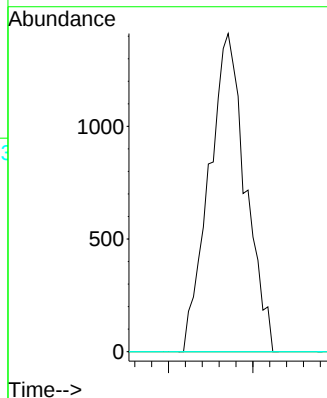
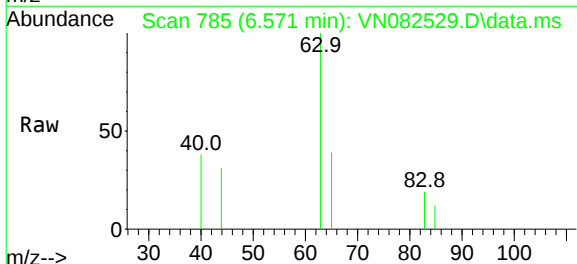
Tgt Ion: 63 Resp: 4257

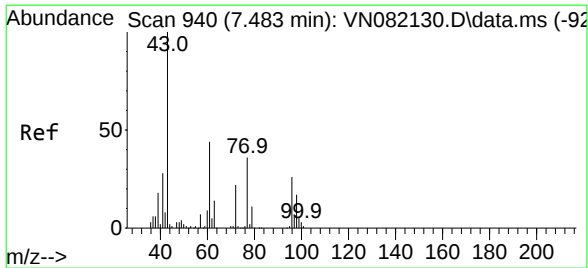
Ion Ratio Lower Upper

63 100

98 0.0 3.6 10.9#

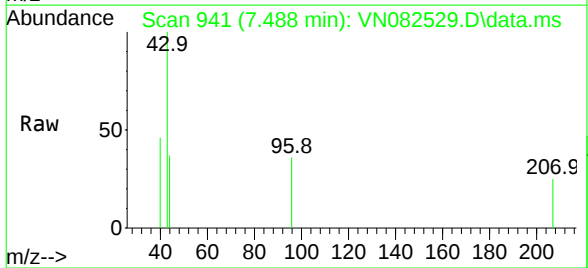
100 0.0 2.6 7.8#



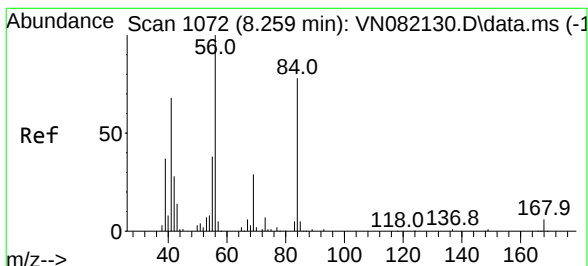
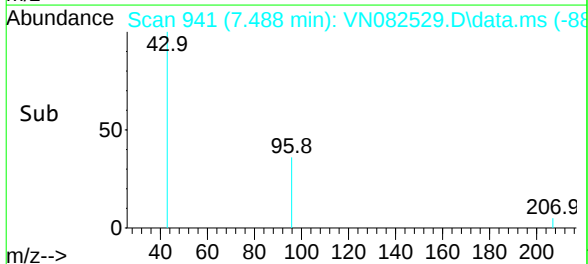
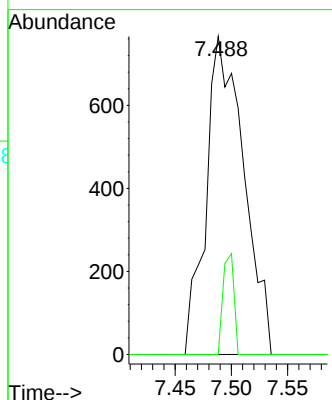


#25
2-Butanone
Concen: 1.093 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-238-240

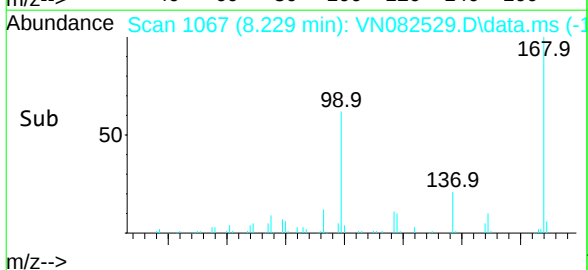
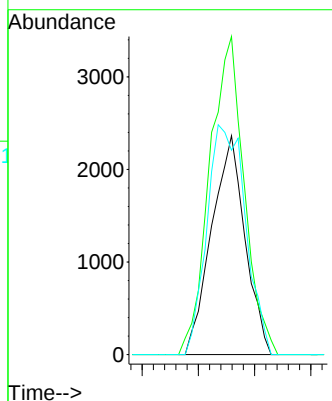
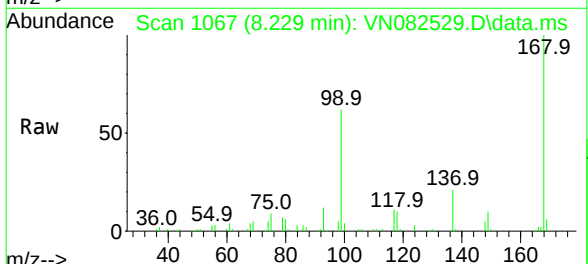


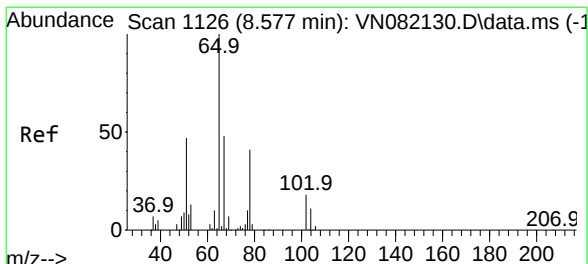
Tgt Ion: 43 Resp: 1784
Ion Ratio Lower Upper
43 100
72 0.0 25.3 37.9#



#31
Cyclohexane
Concen: 1.165 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.030 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

Tgt Ion: 56 Resp: 4883
Ion Ratio Lower Upper
56 100
69 145.4 24.4 36.6#
84 101.2 77.0 115.4

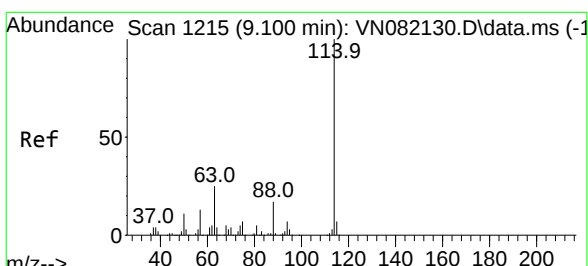
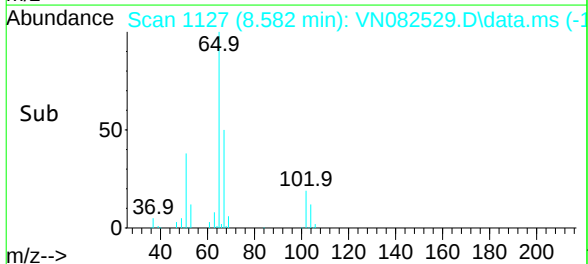
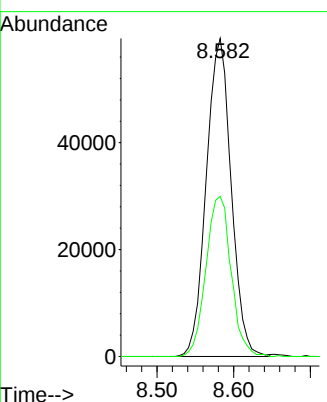
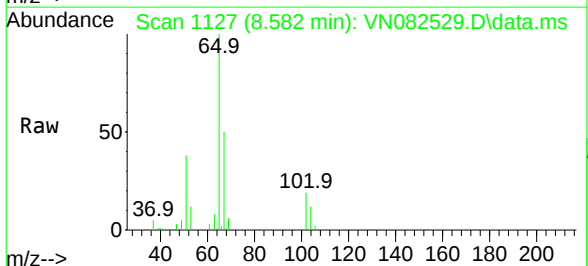




#33
 1,2-Dichloroethane-d4
 Concen: 51.109 ug/l
 RT: 8.582 min Scan# 111
 Delta R.T. 0.006 min
 Lab File: VN082529.D
 Acq: 12 Jun 2024 15:22

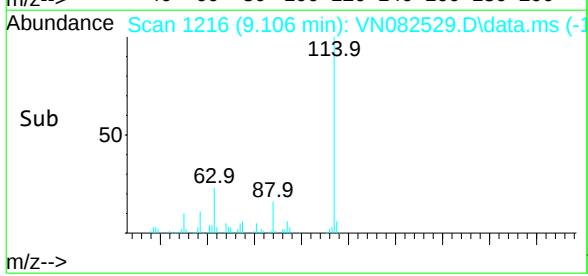
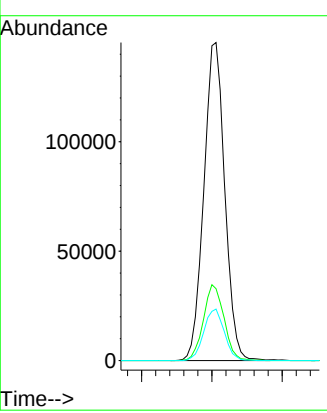
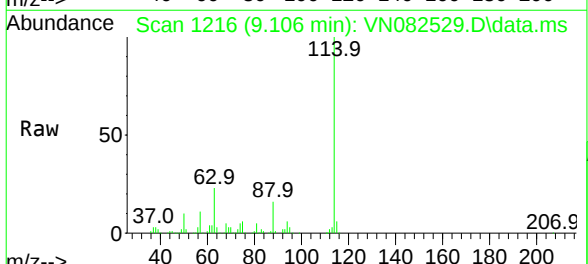
Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-GW-238-240

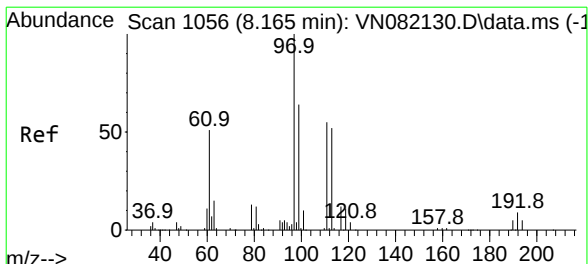
Tgt Ion:	65	Resp:	134073
Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.006 min
 Lab File: VN082529.D
 Acq: 12 Jun 2024 15:22

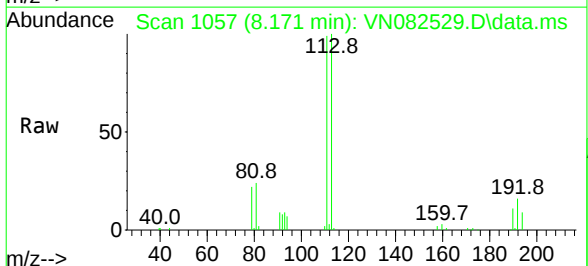
Tgt Ion:	114	Resp:	300440
Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	41.0
88	16.2	0.0	31.4



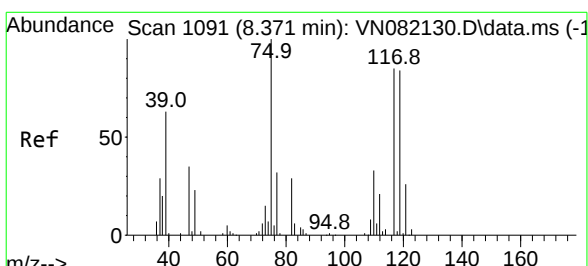
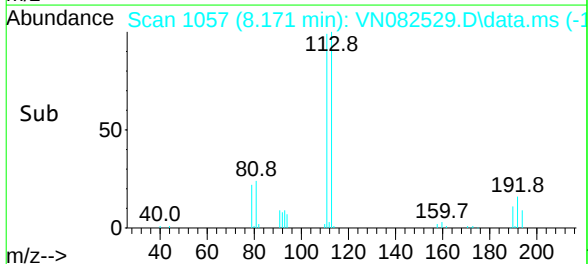
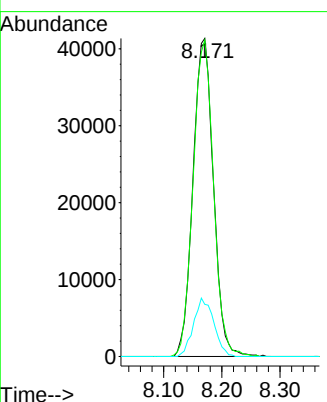


#35
 Dibromofluoromethane
 Concen: 54.678 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN082529.D
 Acq: 12 Jun 2024 15:22

Instrument : MSVOA_N
 ClientSampleId : BP-VPB-189-GW-238-240

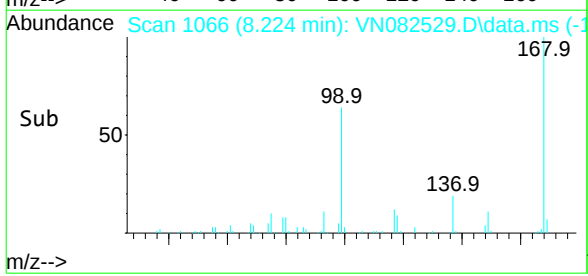
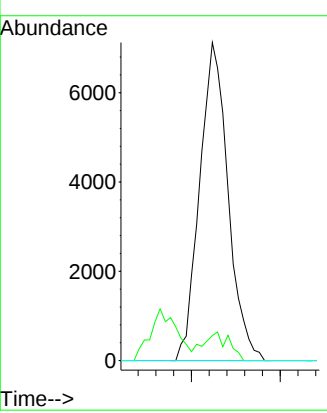
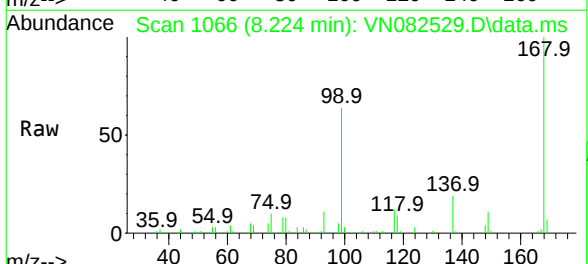


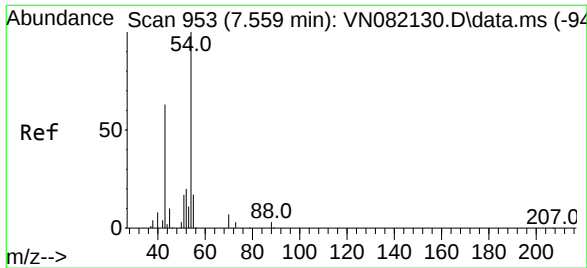
Tgt Ion:	113	Resp:	101054
Ion	Ratio	Lower	Upper
113	100		
111	99.3	83.4	125.2
192	18.2	14.0	21.0



#36
 1,1-Dichloropropene
 Concen: 5.110 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.147 min
 Lab File: VN082529.D
 Acq: 12 Jun 2024 15:22

Tgt Ion:	75	Resp:	15840
Ion	Ratio	Lower	Upper
75	100		
110	8.2	17.8	53.5#
77	0.0	25.0	37.4#

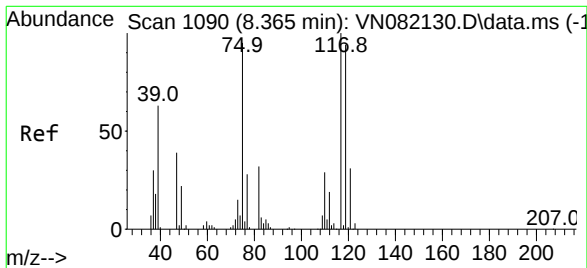
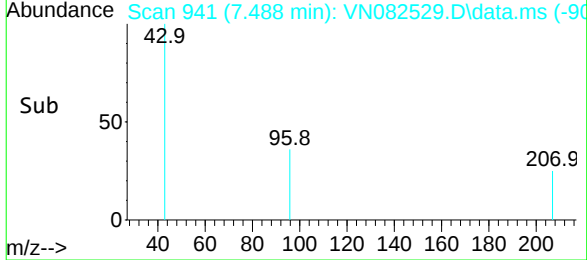
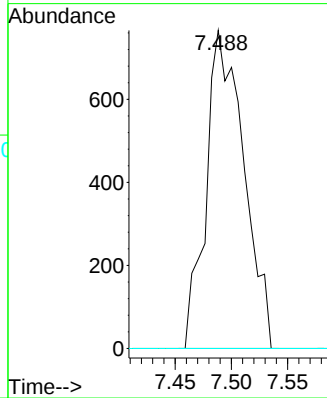
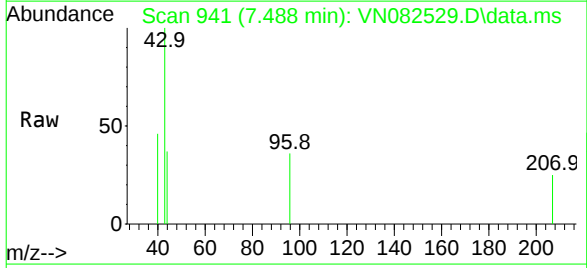




#37
Ethyl Acetate
Concen: 0.514 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

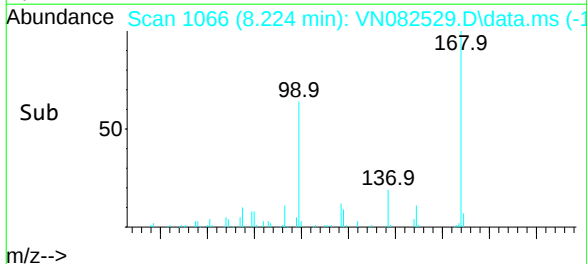
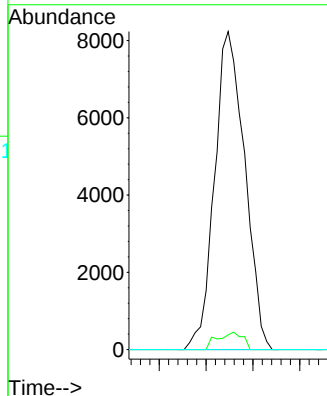
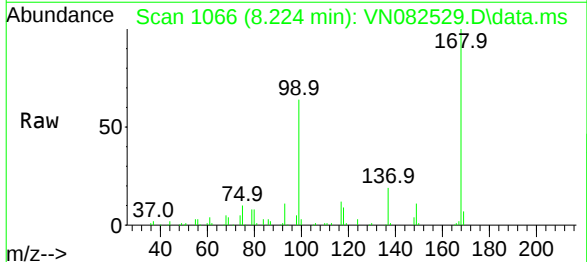
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-238-240

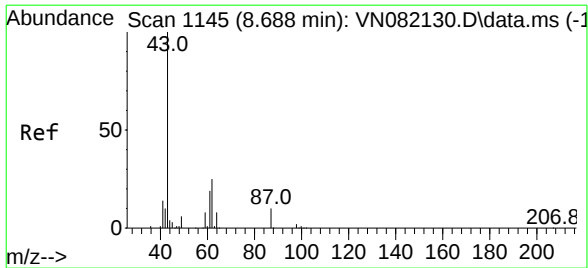
Tgt Ion:	43	Resp:	1784
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	8.7	13.1#



#38
Carbon Tetrachloride
Concen: 5.867 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

Tgt Ion:	117	Resp:	18435
Ion	Ratio	Lower	Upper
117	100		
119	4.6	76.5	114.7#
121	0.0	23.9	35.9#

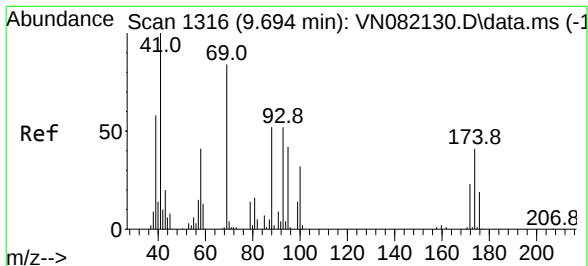
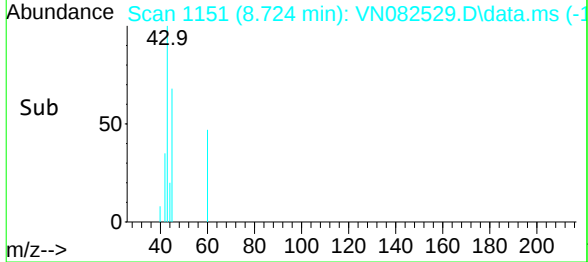
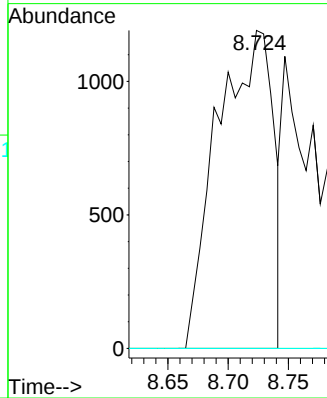
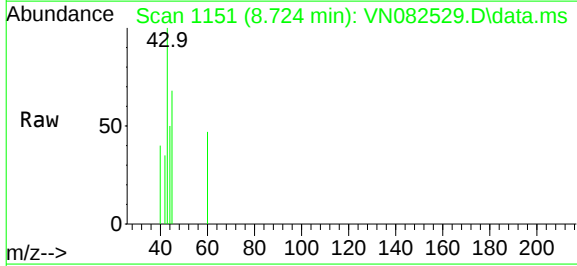




#43
Isopropyl Acetate
Concen: 0.623 ug/l
RT: 8.724 min Scan# 1115
Delta R.T. 0.035 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

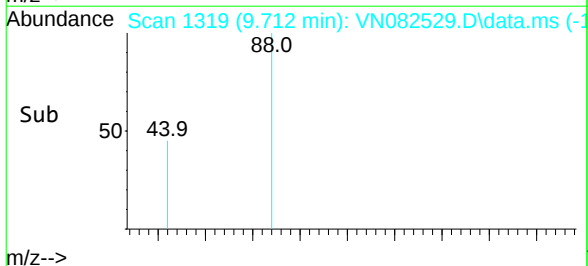
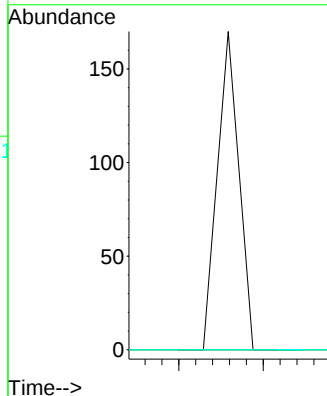
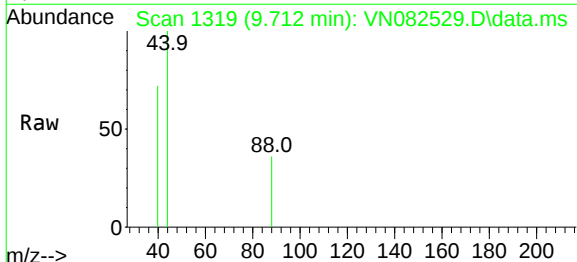
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-238-240

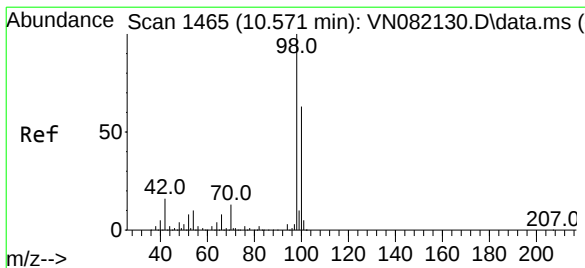
Tgt Ion:	43	Resp:	3829
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.8	34.2#
87	0.0	12.0	18.0#



#49
1,4-Dioxane
Concen: 1.462 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.017 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

Tgt Ion:	88	Resp:	60
Ion	Ratio	Lower	Upper
88	100		
43	0.0	19.0	28.6#
58	0.0	50.6	76.0#





#50

Toluene-d8

Concen: 51.586 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN082529.D

Acq: 12 Jun 2024 15:22

Instrument :

MSVOA_N

ClientSampleId :

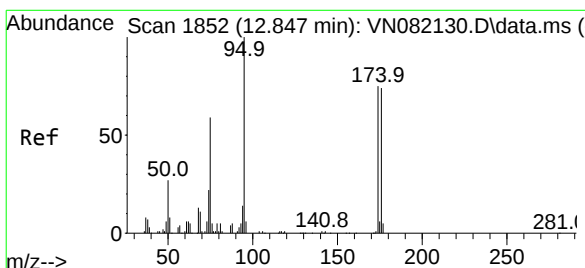
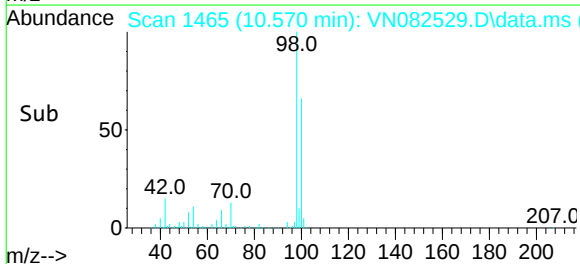
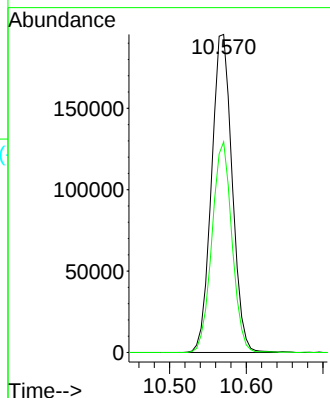
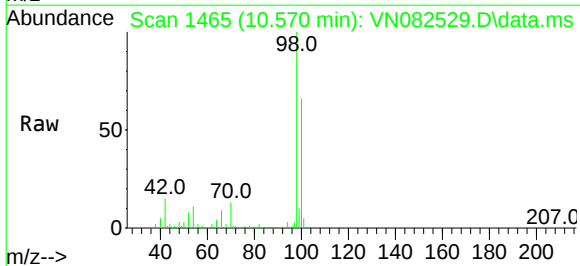
BP-VPB-189-GW-238-240

Tgt Ion: 98 Resp: 365523

Ion Ratio Lower Upper

98 100

100 64.1 51.8 77.6



#62

4-Bromofluorobenzene

Concen: 47.201 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VN082529.D

Acq: 12 Jun 2024 15:22

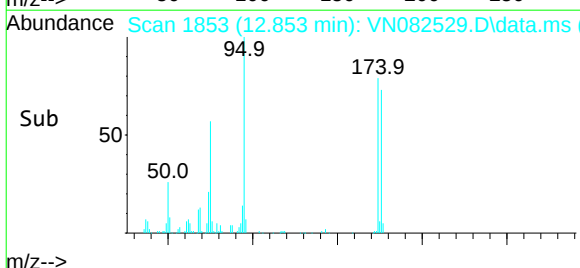
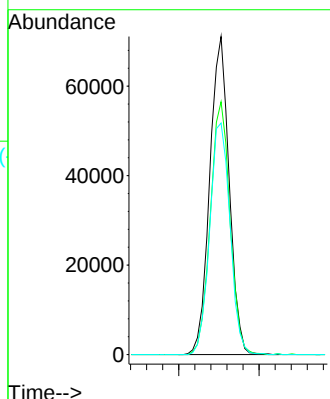
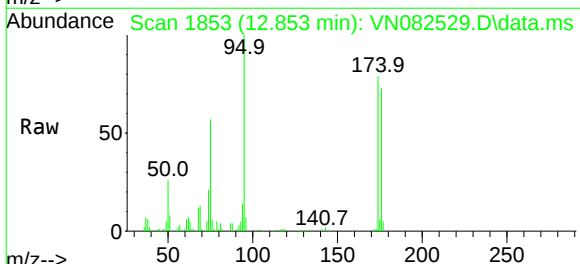
Tgt Ion: 95 Resp: 119375

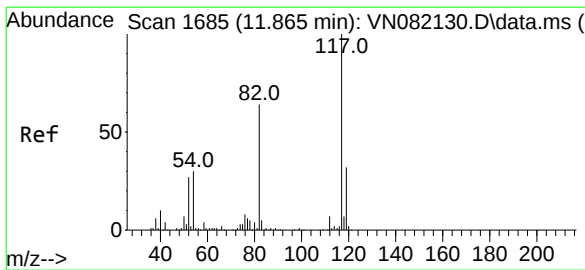
Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.6

176 75.8 0.0 152.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 16

Delta R.T. 0.006 min

Lab File: VN082529.D

Acq: 12 Jun 2024 15:22

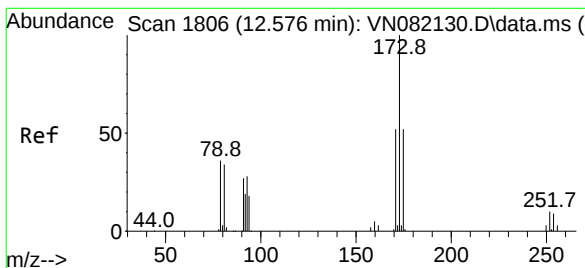
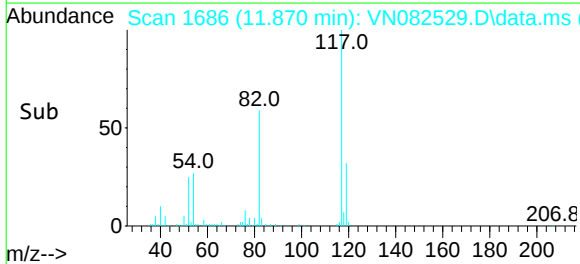
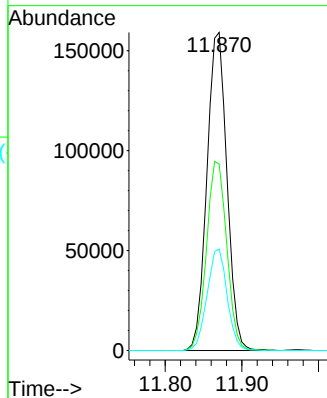
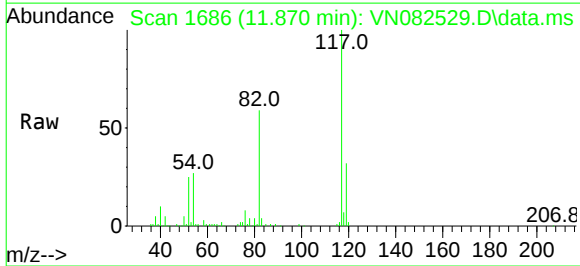
Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-189-GW-238-240

Tgt Ion:	117	Resp:	288780
Ion	Ratio	Lower	Upper
117	100		
82	58.6	44.6	66.8
119	31.9	25.9	38.9



#71

Bromoform

Concen: 0.733 ug/l

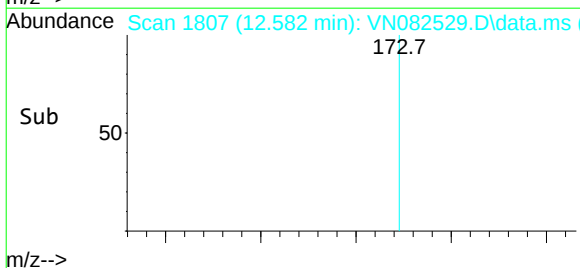
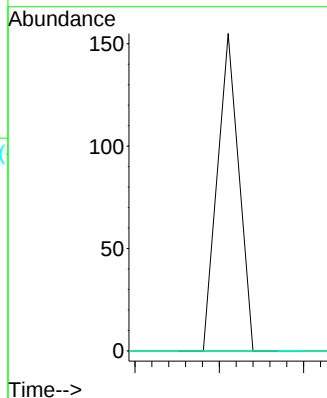
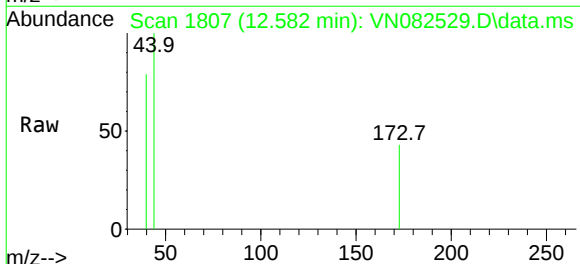
RT: 12.582 min Scan# 1807

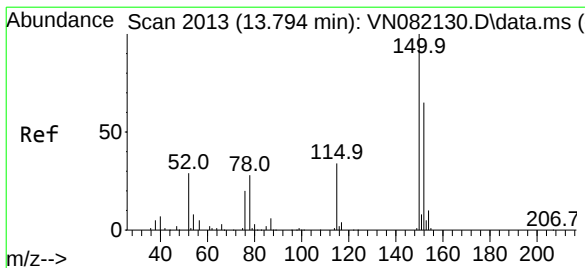
Delta R.T. 0.006 min

Lab File: VN082529.D

Acq: 12 Jun 2024 15:22

Tgt Ion:	173	Resp:	55
Ion	Ratio	Lower	Upper
173	100		
175	0.0	24.6	74.0#
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN082529.D

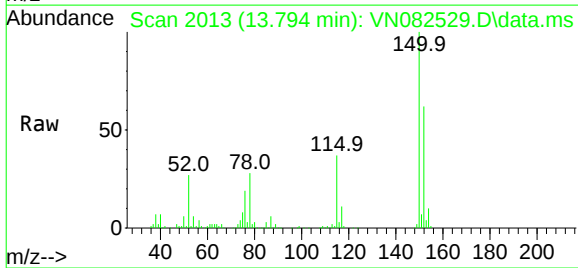
Acq: 12 Jun 2024 15:22

Instrument :

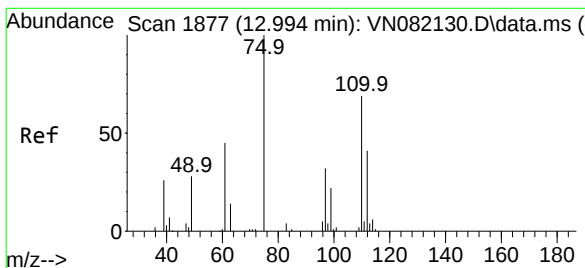
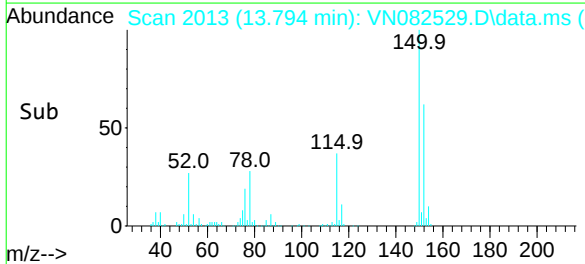
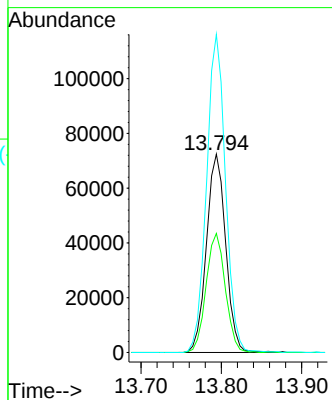
MSVOA_N

ClientSampleId :

BP-VPB-189-GW-238-240



Tgt Ion:	152	Resp:	120775
Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.4	91.3
150	157.6	0.0	353.2



#76

1,2,3-Trichloropropane

Concen: 27.456 ug/l

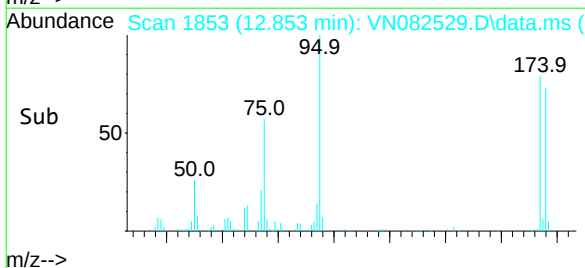
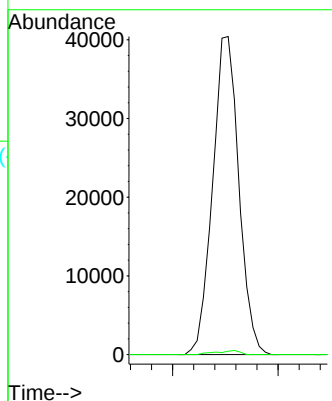
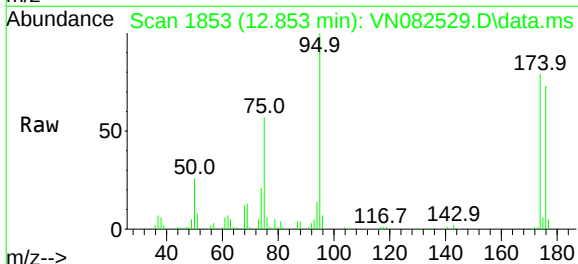
RT: 12.853 min Scan# 1853

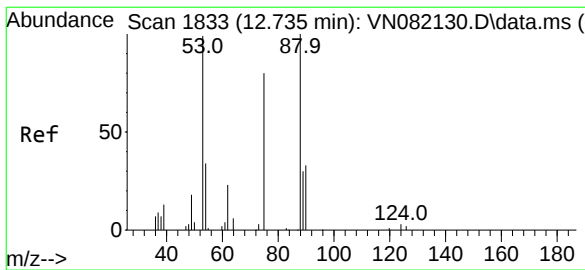
Delta R.T. -0.141 min

Lab File: VN082529.D

Acq: 12 Jun 2024 15:22

Tgt Ion:	75	Resp:	69793
Ion	Ratio	Lower	Upper
75	100		
77	1.1	90.5	271.3#

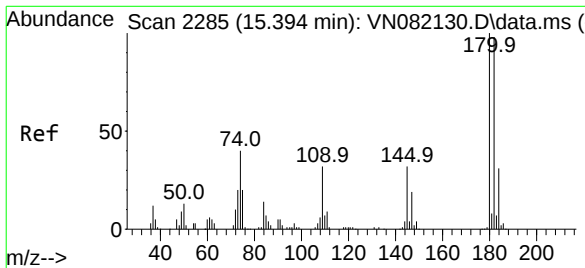
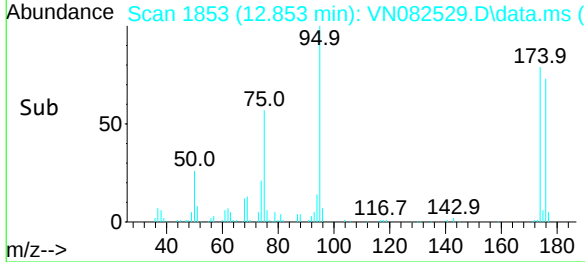
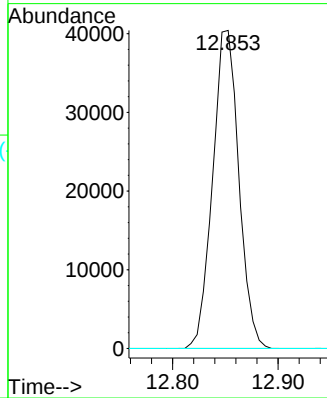
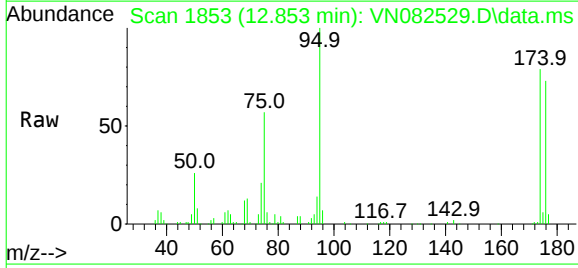




#81
trans-1,4-Dichloro-2-butene
Concen: 64.218 ug/l
RT: 12.853 min Scan# 18
Delta R.T. 0.117 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

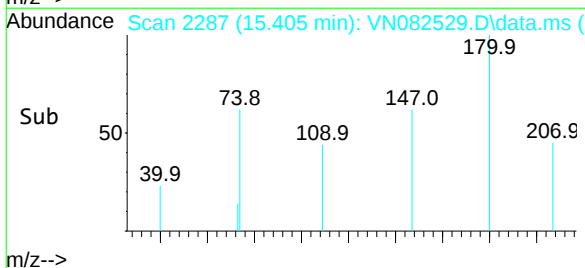
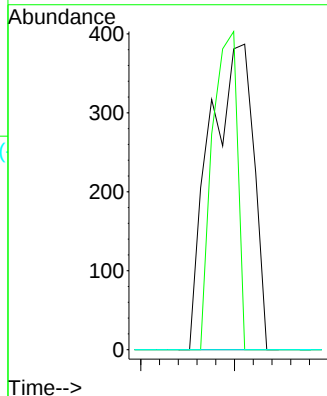
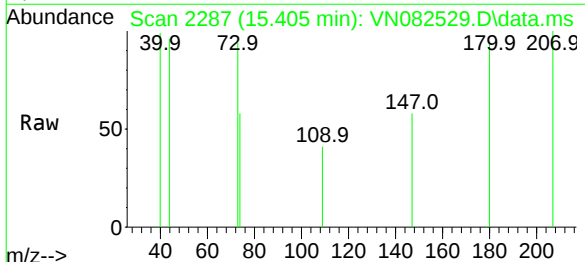
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-189-GW-238-240

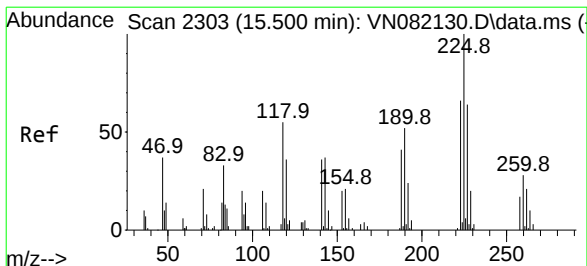
Tgt Ion: 75 Resp: 69793
Ion Ratio Lower Upper
75 100
53 0.0 72.9 109.3#
89 0.0 39.1 58.7#



#93
1,2,4-Trichlorobenzene
Concen: 0.284 ug/l
RT: 15.405 min Scan# 2287
Delta R.T. 0.012 min
Lab File: VN082529.D
Acq: 12 Jun 2024 15:22

Tgt Ion: 180 Resp: 625
Ion Ratio Lower Upper
180 100
182 59.7 46.7 140.0
145 0.0 16.2 48.6#





#94

Hexachlorobutadiene

Concen: 0.424 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.012 min

Lab File: VN082529.D

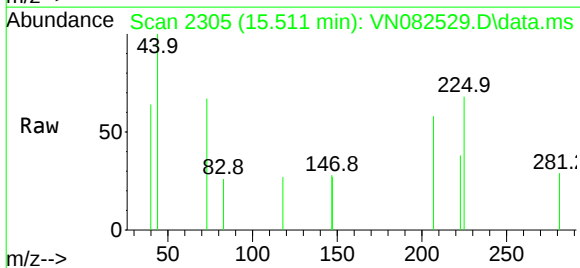
Acq: 12 Jun 2024 15:22

Instrument :

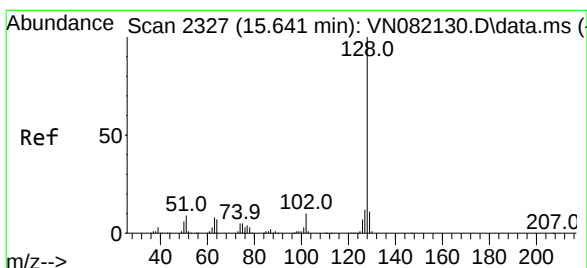
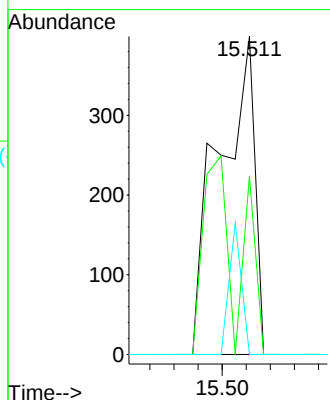
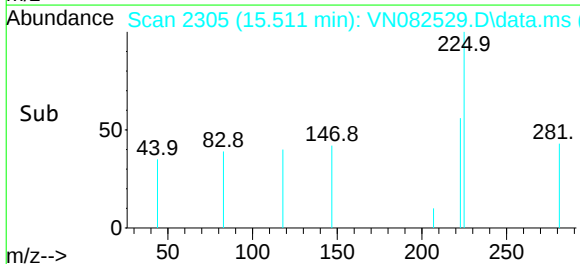
MSVOA_N

ClientSampleId :

BP-VPB-189-GW-238-240



Tgt Ion:	225	Resp:	409
Ion	Ratio	Lower	Upper
225	100		
223	60.4	31.1	93.2
227	14.2	30.6	91.6



#95

Naphthalene

Concen: 0.289 ug/l

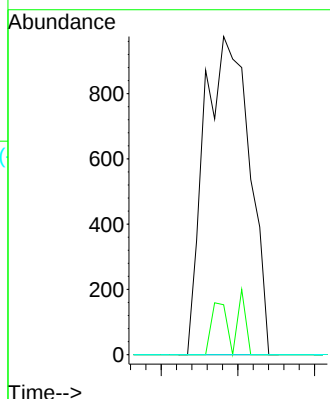
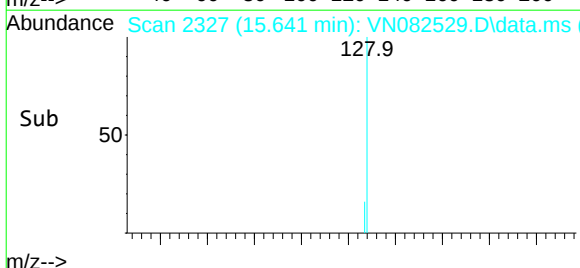
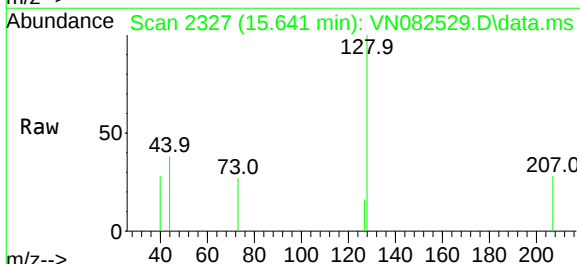
RT: 15.641 min Scan# 2327

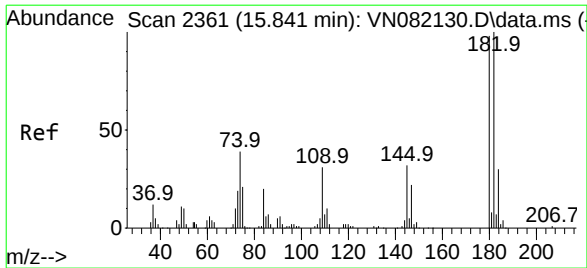
Delta R.T. -0.000 min

Lab File: VN082529.D

Acq: 12 Jun 2024 15:22

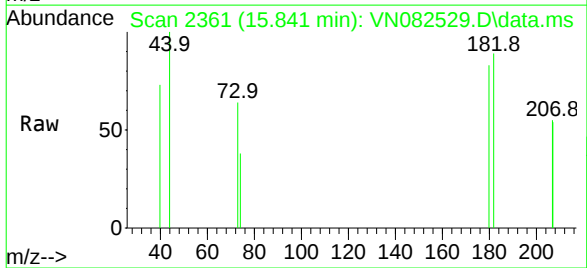
Tgt Ion:	128	Resp:	1988
Ion	Ratio	Lower	Upper
128	100		
127	5.5	10.1	15.1
129	0.0	8.9	13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 0.285 ug/l
 RT: 15.841 min Scan# 23
 Delta R.T. -0.000 min
 Lab File: VN082529.D
 Acq: 12 Jun 2024 15:22

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-189-GW-238-240



Tgt Ion:180 Resp: 627
 Ion Ratio Lower Upper
 180 100
 182 84.1 46.0 137.8
 145 0.0 17.1 51.3#

