

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120822\
 Data File : VN075645.D
 Acq On : 08 Dec 2022 14:08
 Operator : JC\MD
 Sample : N5944-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GW-BR-04-95-105-120722

Quant Time: Dec 09 02:07:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

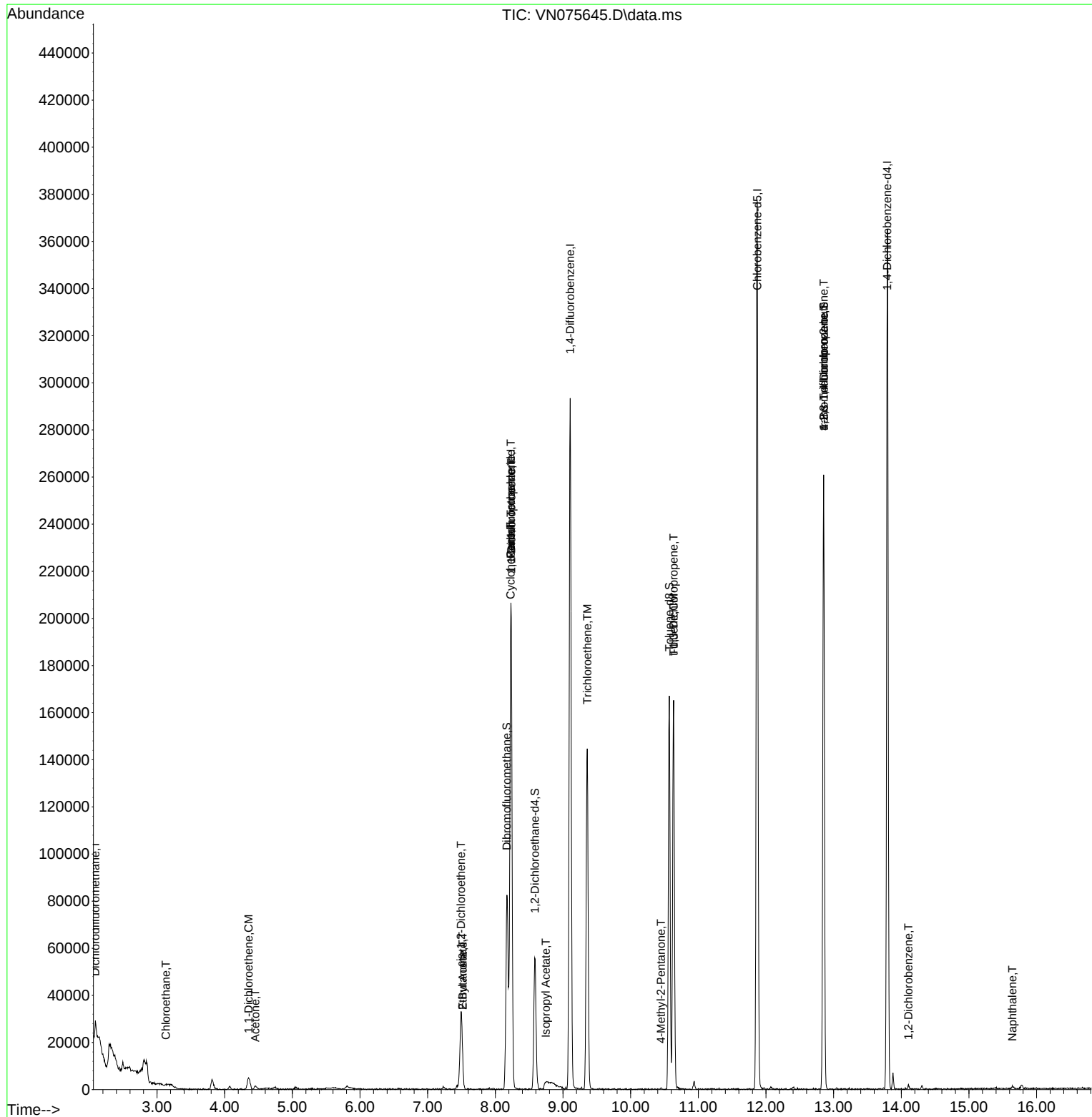
Internal Standards							
1) Pentafluorobenzene		8.230	168	166553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		9.106	114	275840	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.871	117	237917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.794	152	103155	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.583	65	45264	50.629	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.260%	
35) Dibromofluoromethane		8.171	113	60145	55.505	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.020%	
50) Toluene-d8		10.571	98	119772	49.076	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.160%	
62) 4-Bromofluorobenzene		12.853	95	86322	47.920	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.840%	
Target Compounds						Qvalue	
2) Dichlorodifluoromethane		2.089	85	602	0.473	ug/l #	41
6) Chloroethane		3.130	64	351	0.232	ug/l #	45
12) 1,1-Dichloroethene		4.353	96	3426	2.221	ug/l #	61
16) Acetone		4.453	43	2682	3.216	ug/l #	74
18) Methyl Acetate		5.036	43	685	Below Cal	#	47
20) Methylene Chloride		5.289	84	80	Below Cal	#	70
25) 2-Butanone		7.518	43	795	0.683	ug/l #	67
27) cis-1,2-Dichloroethene		7.494	96	21281	10.707	ug/l	83
31) Cyclohexane		8.224	56	3205	1.128	ug/l #	49
36) 1,1-Dichloropropene		8.236	75	11812	4.999	ug/l #	43
37) Ethyl Acetate		7.518	43	795	0.374	ug/l #	66
38) Carbon Tetrachloride		8.230	117	15806	6.089	ug/l #	16
43) Isopropyl Acetate		8.747	43	2564	0.751	ug/l #	53
44) Trichloroethene		9.359	130	54818	27.690	ug/l	93
51) 4-Methyl-2-Pentanone		10.447	43	473	0.217	ug/l #	34
52) Toluene		10.635	92	77736	16.673	ug/l	98
53) t-1,3-Dichloropropene		10.635	75	819	0.323	ug/l #	1
76) 1,2,3-Trichloropropane		12.853	75	44364	22.746	ug/l #	1
81) trans-1,4-Dichloro-2-b...		12.853	75	44364	67.301	ug/l #	10
91) 1,2-Dichlorobenzene		14.106	146	1137	0.331	ug/l	86
95) Naphthalene		15.641	128	1719	0.310	ug/l #	69

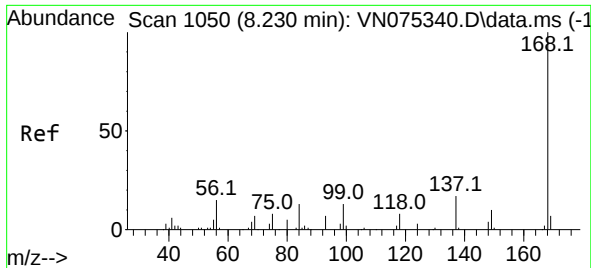
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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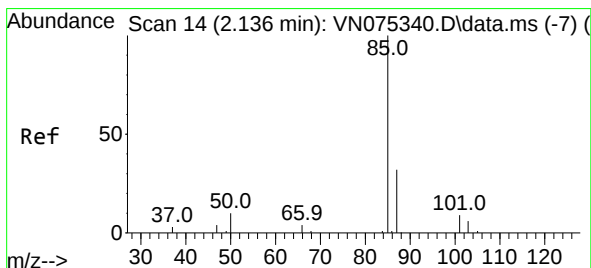
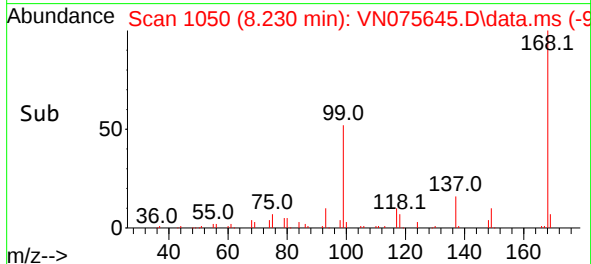
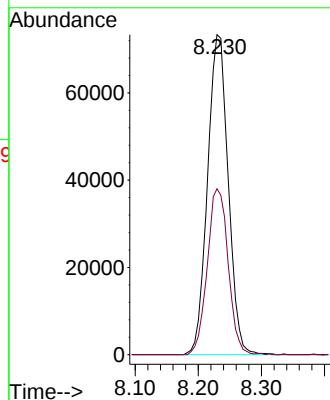
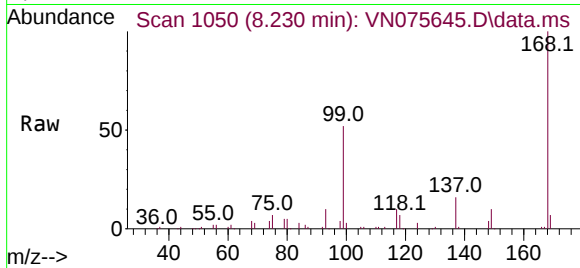




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

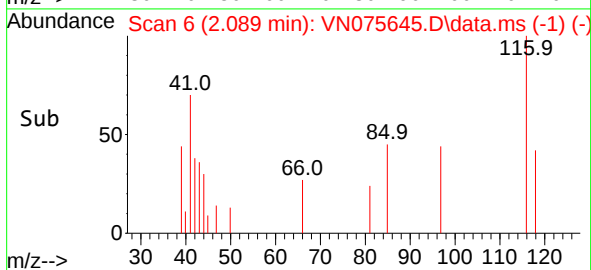
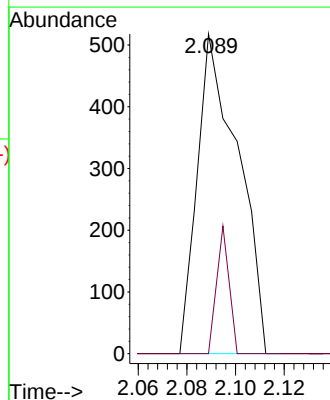
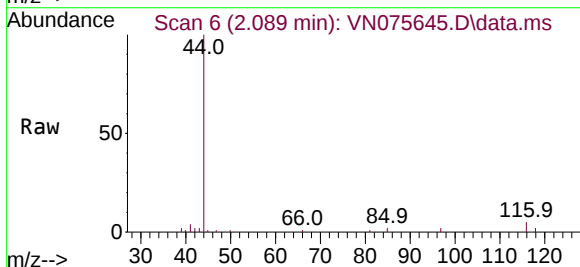
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-95-105-120722

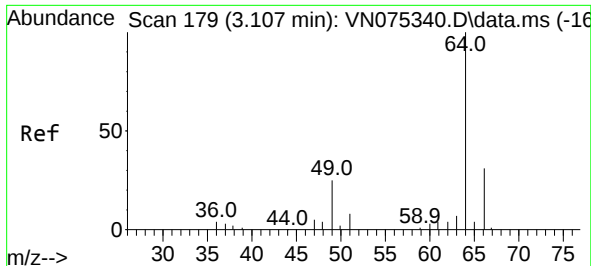
Tgt Ion:168 Resp: 166553
Ion Ratio Lower Upper
168 100
99 51.9 51.6 77.4



#2
Dichlorodifluoromethane
Concen: 0.473 ug/l
RT: 2.089 min Scan# 6
Delta R.T. -0.047 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Tgt Ion: 85 Resp: 602
Ion Ratio Lower Upper
85 100
87 0.0 16.7 50.0#

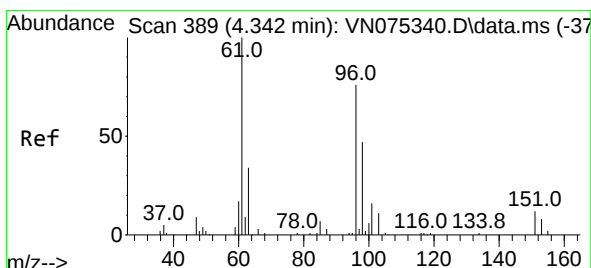
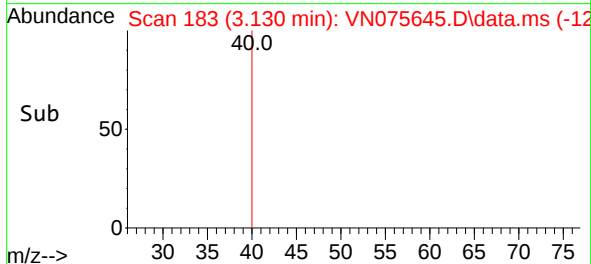
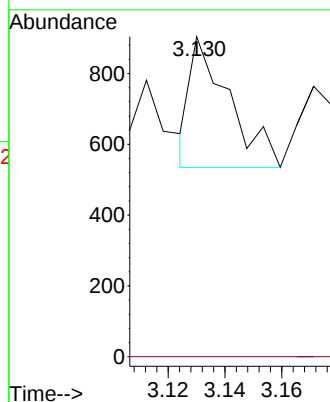
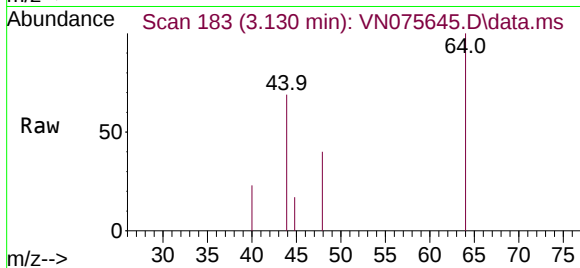




#6
Chloroethane
Concen: 0.232 ug/l
RT: 3.130 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

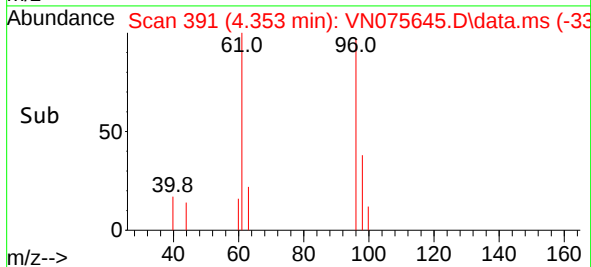
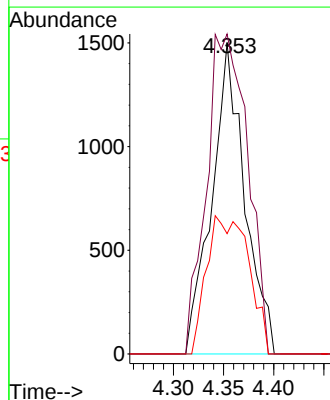
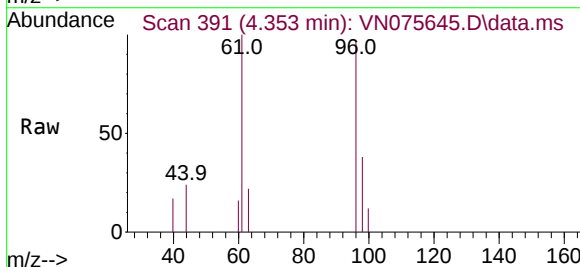
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-95-105-120722

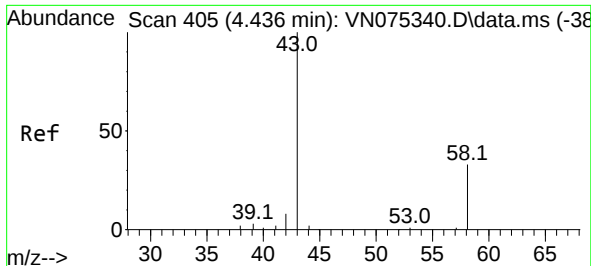
Tgt Ion: 64 Resp: 351
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#



#12
1,1-Dichloroethene
Concen: 2.221 ug/l
RT: 4.353 min Scan# 391
Delta R.T. 0.011 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Tgt Ion: 96 Resp: 3426
Ion Ratio Lower Upper
96 100
61 102.7 126.2 189.4#
98 38.6 51.5 77.3#





#16

Acetone

Concen: 3.216 ug/l

RT: 4.453 min Scan# 405

Delta R.T. 0.017 min

Lab File: VN075645.D

Acq: 08 Dec 2022 14:08

Instrument :

MSVOA_N

ClientSampleId :

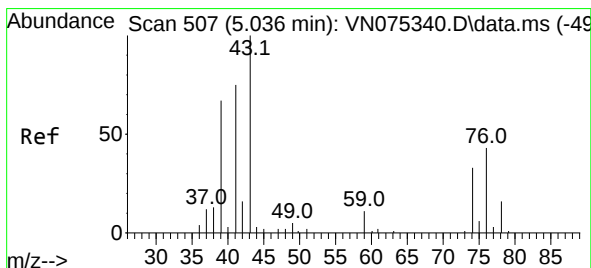
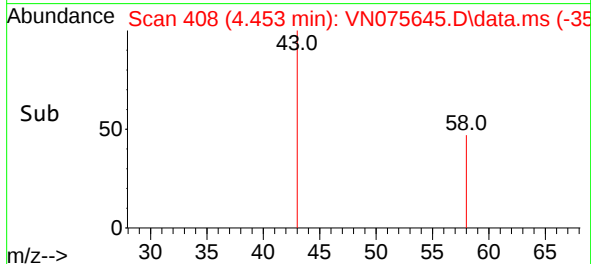
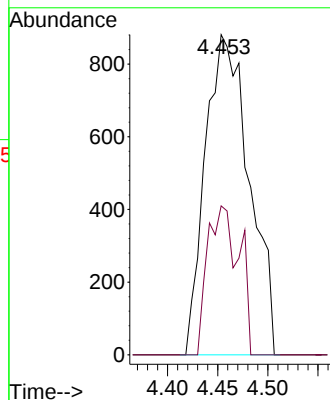
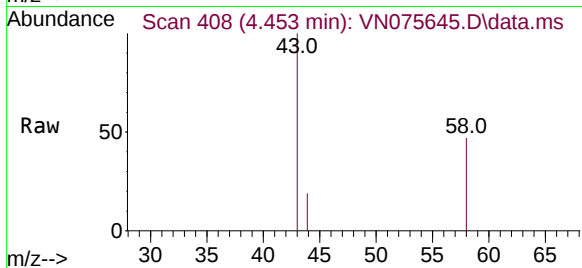
GW-BR-04-95-105-120722

Tgt Ion: 43 Resp: 2682

Ion Ratio Lower Upper

43 100

58 46.5 25.5 38.3#



#18

Methyl Acetate

Concen: Below Cal

RT: 5.036 min Scan# 507

Delta R.T. -0.000 min

Lab File: VN075645.D

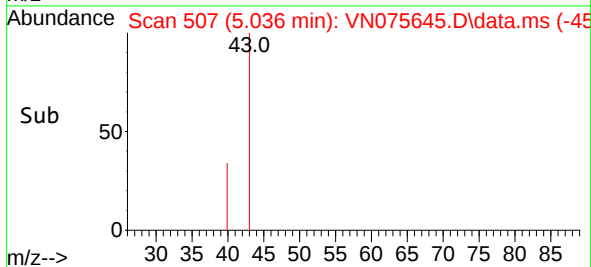
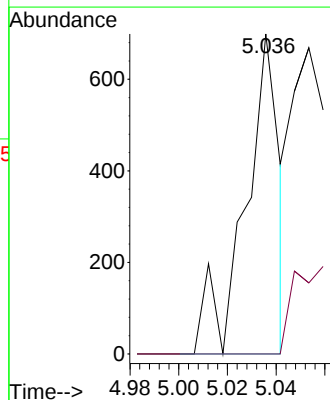
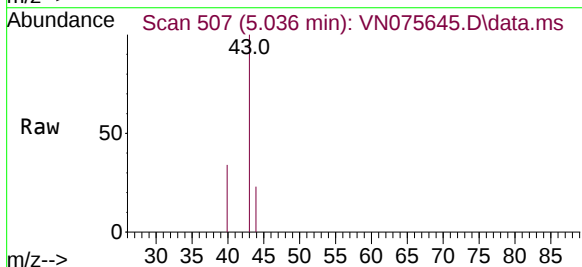
Acq: 08 Dec 2022 14:08

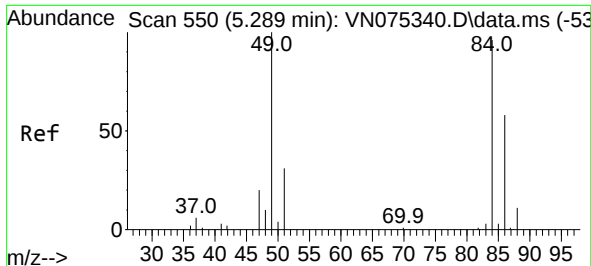
Tgt Ion: 43 Resp: 685

Ion Ratio Lower Upper

43 100

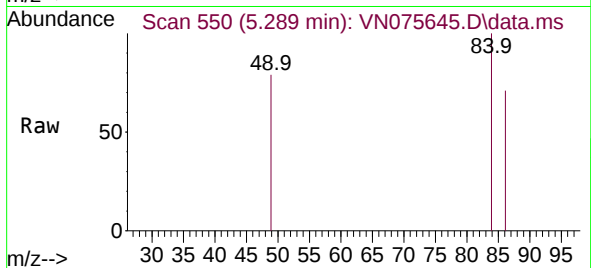
74 0.0 22.0 33.0#



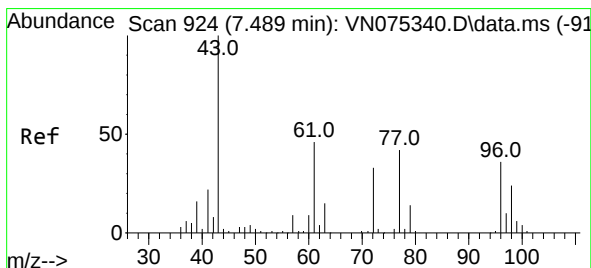
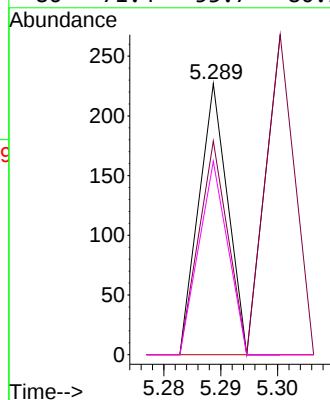


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 511
Delta R.T. -0.000 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-95-105-120722

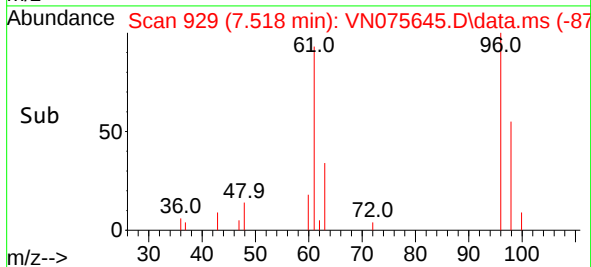
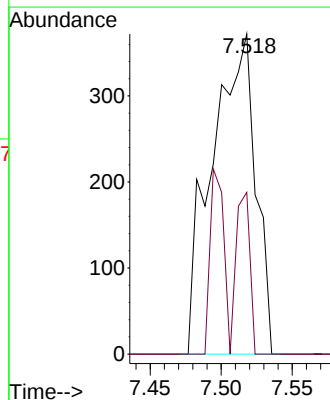
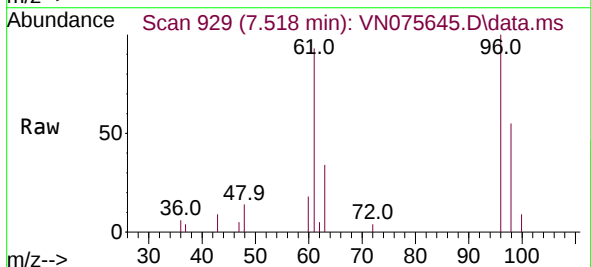


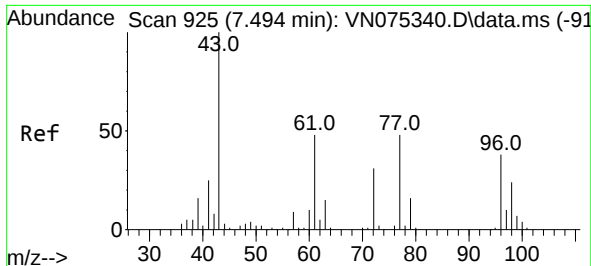
Tgt Ion:	84	Resp:	80
Ion	Ratio	Lower	Upper
84	100		
49	78.9	94.9	142.3#
51	0.0	26.8	40.2#
86	71.4	53.7	80.5



#25
2-Butanone
Concen: 0.683 ug/l
RT: 7.518 min Scan# 929
Delta R.T. 0.029 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Tgt Ion:	43	Resp:	795
Ion	Ratio	Lower	Upper
43	100		
72	50.5	25.5	38.3#

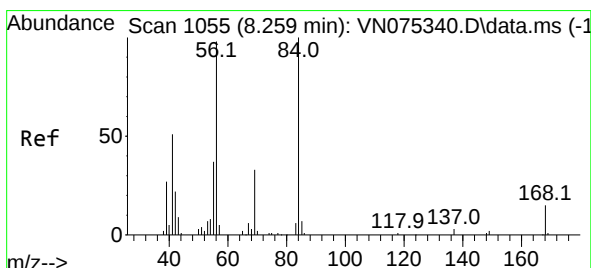
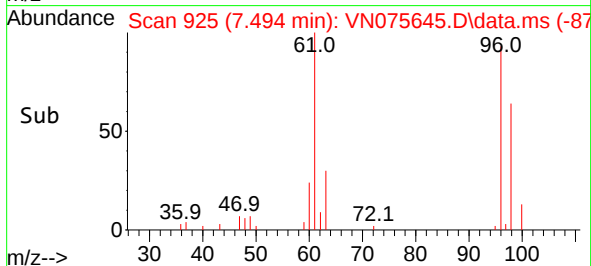
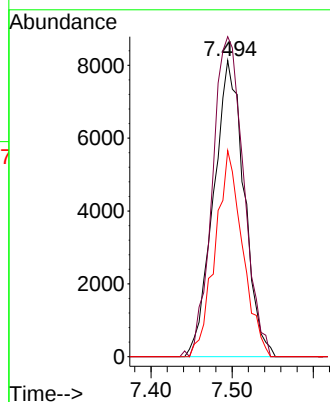
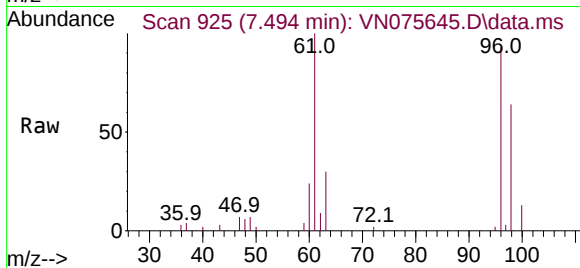




#27
 cis-1,2-Dichloroethene
 Concen: 10.707 ug/l
 RT: 7.494 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN075645.D
 Acq: 08 Dec 2022 14:08

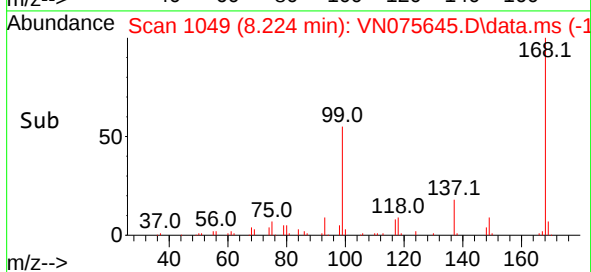
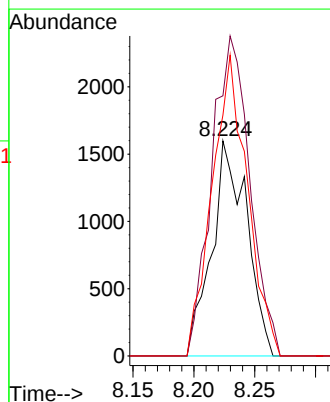
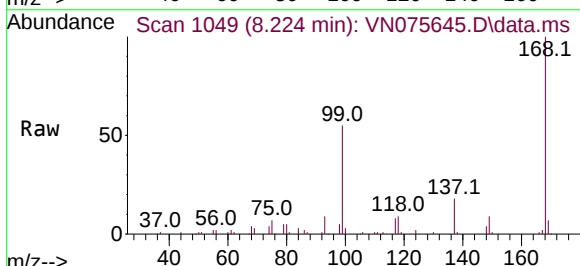
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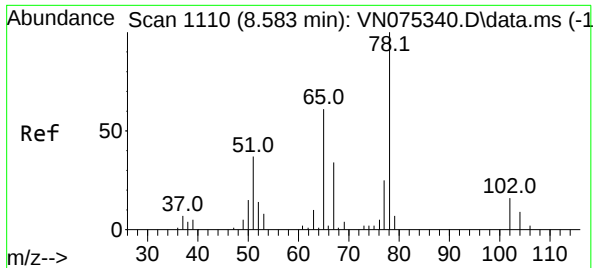
Tgt Ion:	96	Resp:	21281
Ion	Ratio	Lower	Upper
96	100		
61	110.3	0.0	278.8
98	62.5	0.0	128.4



#31
 Cyclohexane
 Concen: 1.128 ug/l
 RT: 8.224 min Scan# 1049
 Delta R.T. -0.035 min
 Lab File: VN075645.D
 Acq: 08 Dec 2022 14:08

Tgt Ion:	56	Resp:	3205
Ion	Ratio	Lower	Upper
56	100		
69	121.0	25.2	37.8#
84	112.0	77.8	116.8

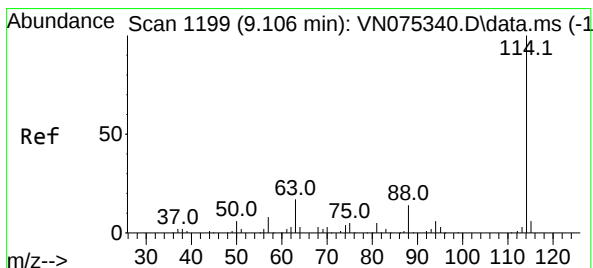
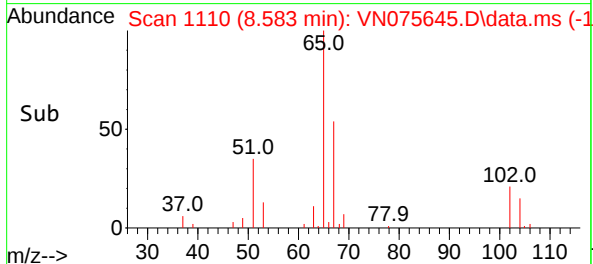
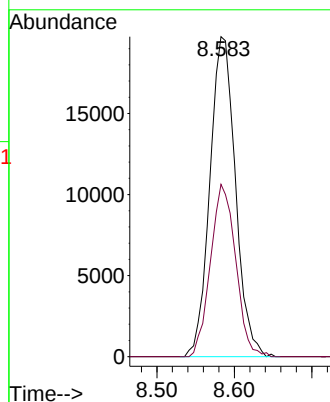
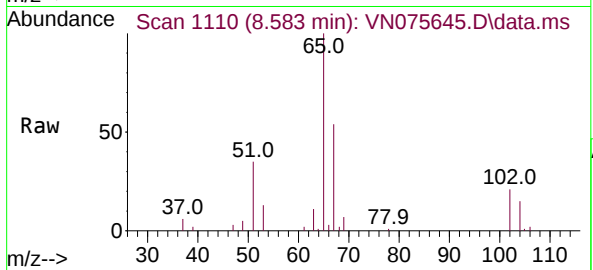




#33
 1,2-Dichloroethane-d4
 Concen: 50.629 ug/l
 RT: 8.583 min Scan# 1110
 Delta R.T. -0.000 min
 Lab File: VN075645.D
 Acq: 08 Dec 2022 14:08

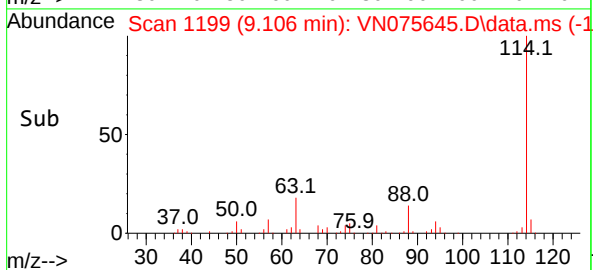
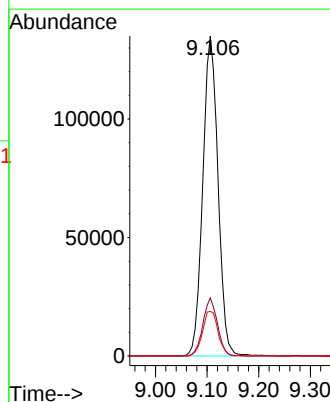
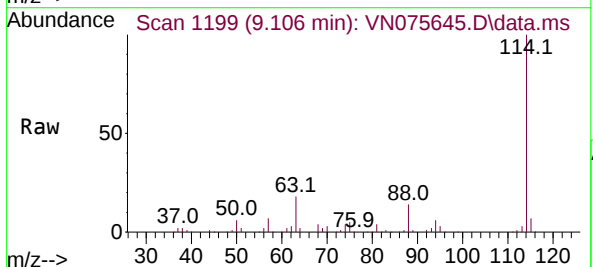
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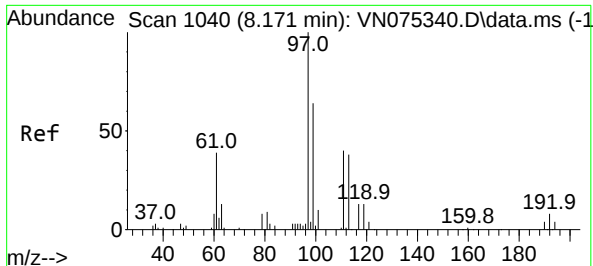
Tgt Ion: 65 Resp: 45264
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1199
 Delta R.T. 0.000 min
 Lab File: VN075645.D
 Acq: 08 Dec 2022 14:08

Tgt Ion: 114 Resp: 275840
 Ion Ratio Lower Upper
 114 100
 63 18.2 0.0 39.6
 88 13.9 0.0 29.0

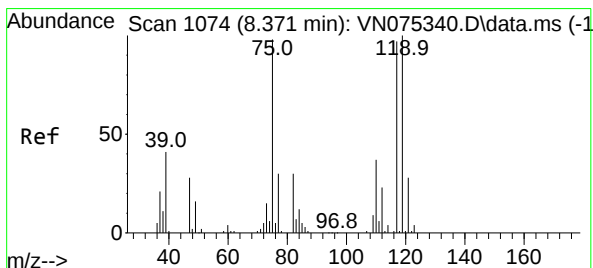
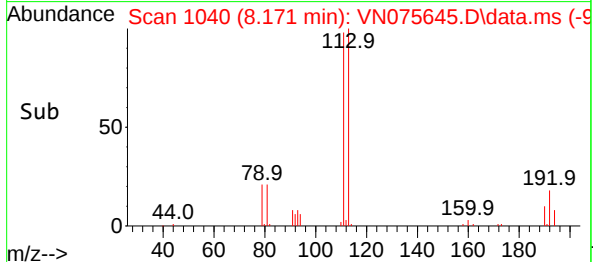
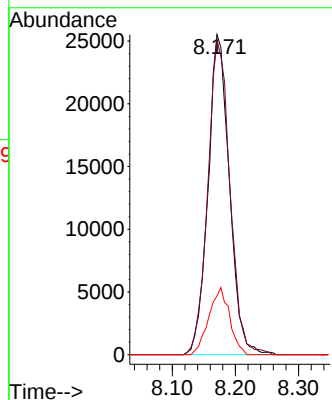
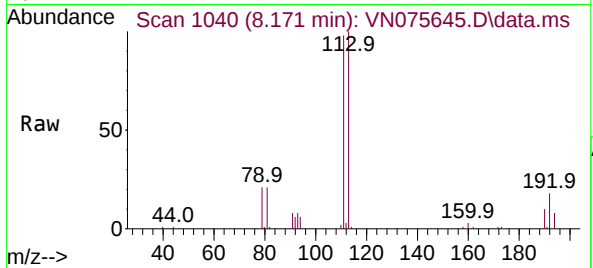




#35
Dibromofluoromethane
Concen: 55.505 ug/l
RT: 8.171 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

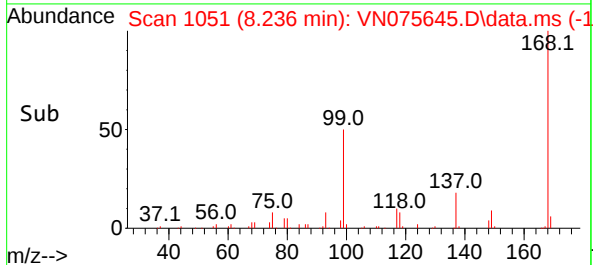
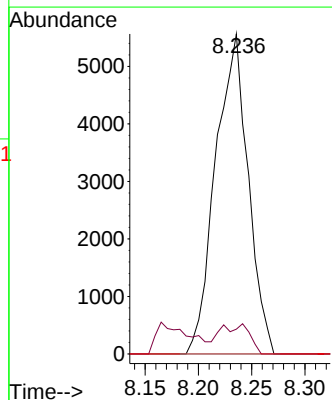
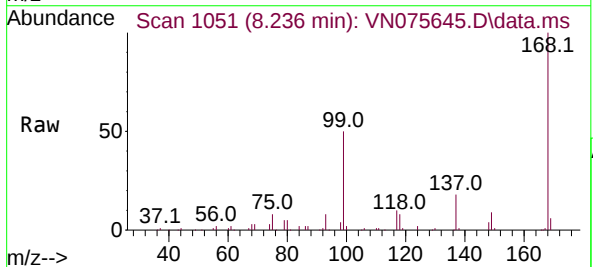
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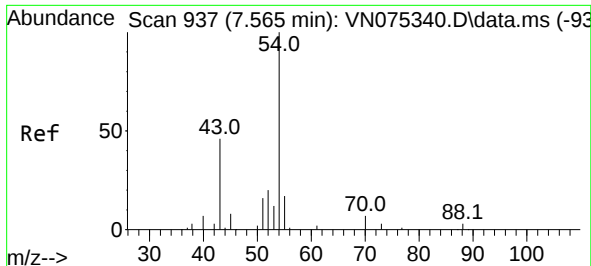
Tgt Ion:113 Resp: 60145
Ion Ratio Lower Upper
113 100
111 101.6 80.5 120.7
192 20.3 13.2 19.8#



#36
1,1-Dichloropropene
Concen: 4.999 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.135 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Tgt Ion: 75 Resp: 11812
Ion Ratio Lower Upper
75 100
110 1.9 17.8 53.3#
77 0.0 24.6 37.0#

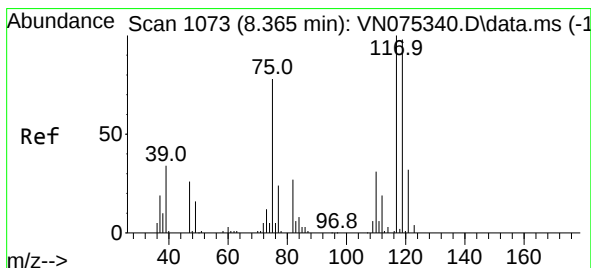
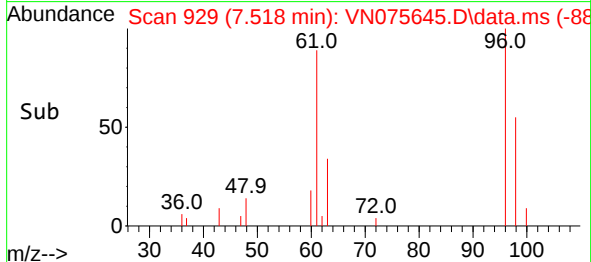
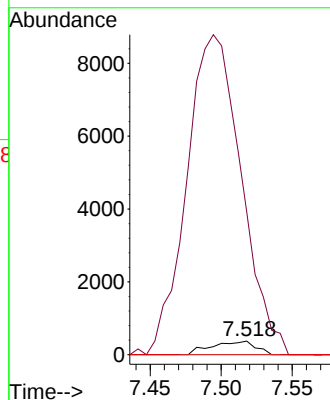
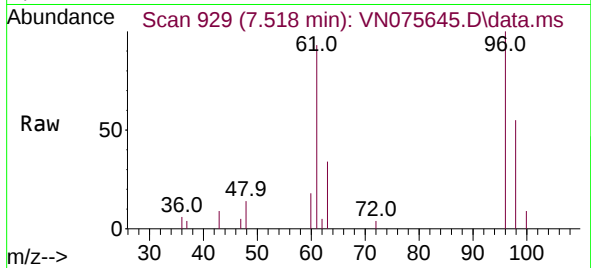




#37
Ethyl Acetate
Concen: 0.374 ug/l
RT: 7.518 min Scan# 91
Delta R.T. -0.047 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

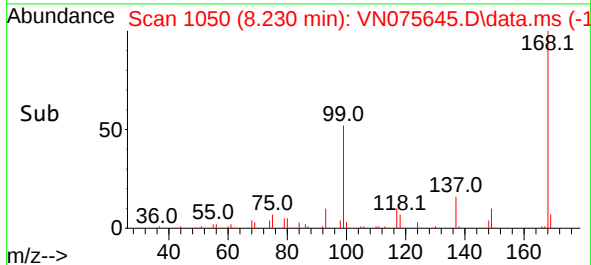
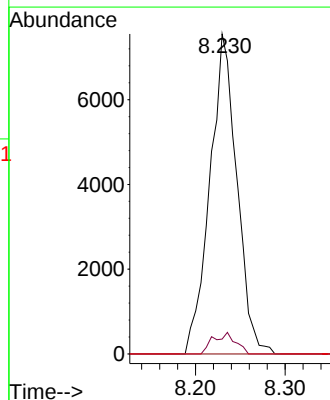
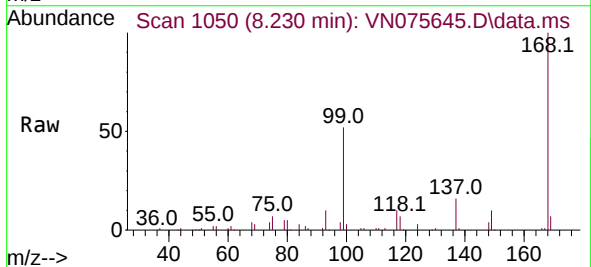
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-95-105-120722

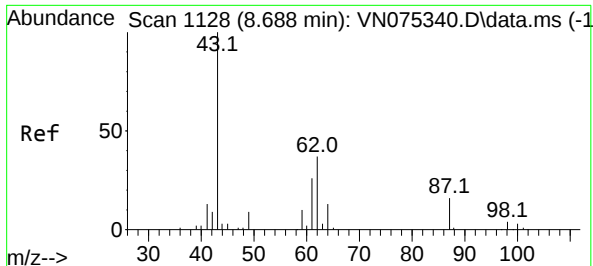
Tgt Ion: 43 Resp: 795
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.089 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Tgt Ion: 117 Resp: 15806
Ion Ratio Lower Upper
117 100
119 4.6 76.7 115.1#
121 0.0 23.9 35.9#





#43

Isopropyl Acetate

Concen: 0.751 ug/l

RT: 8.747 min Scan# 1128

Delta R.T. 0.059 min

Lab File: VN075645.D

Acq: 08 Dec 2022 14:08

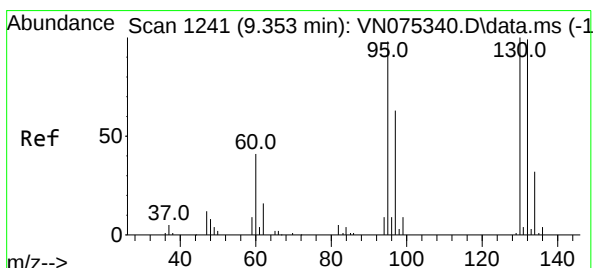
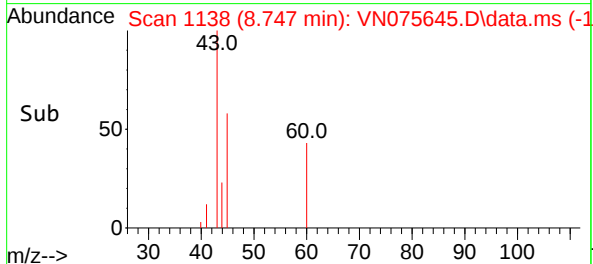
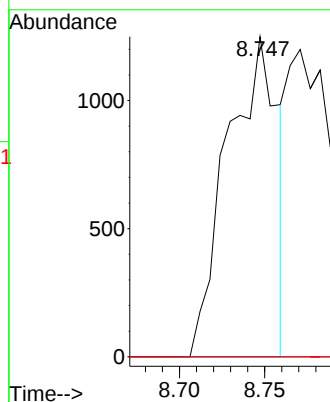
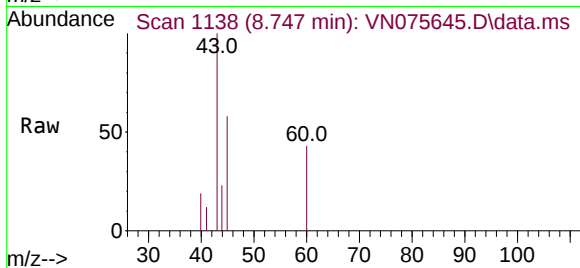
Instrument :

MSVOA_N

ClientSampleId :

GW-BR-04-95-105-120722

Tgt Ion: 43	Resp:	2564
Ion Ratio	Lower	Upper
43	100	
61	0.0	22.4
87	0.0	12.5



#44

Trichloroethene

Concen: 27.690 ug/l

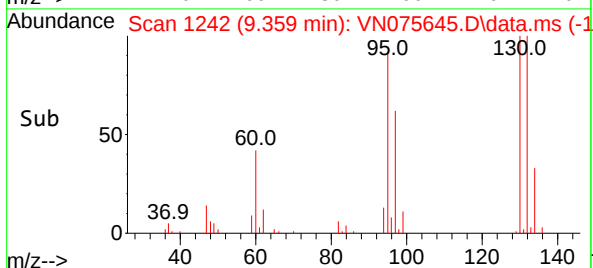
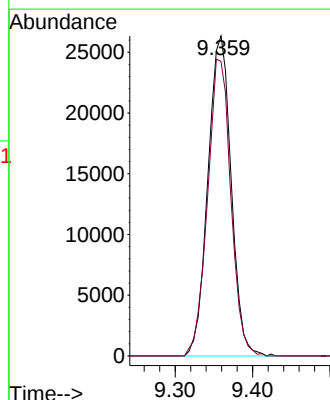
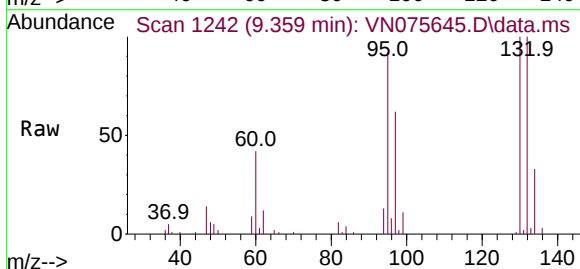
RT: 9.359 min Scan# 1242

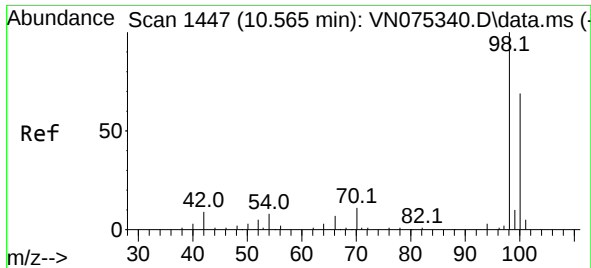
Delta R.T. 0.006 min

Lab File: VN075645.D

Acq: 08 Dec 2022 14:08

Tgt Ion: 130	Resp:	54818
Ion Ratio	Lower	Upper
130	100	
95	92.0	0.0

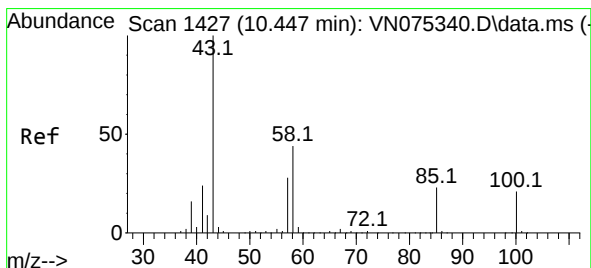
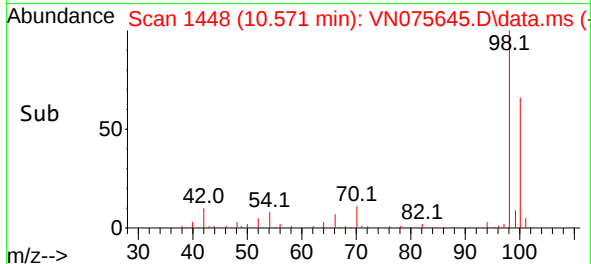
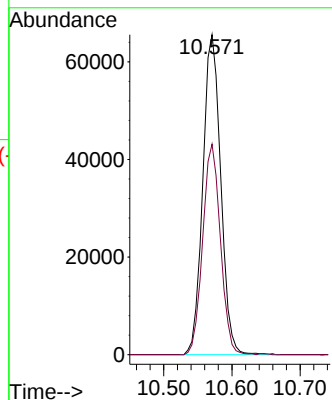
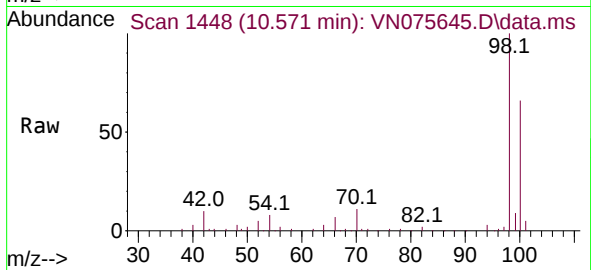




#50
Toluene-d8
Concen: 49.076 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

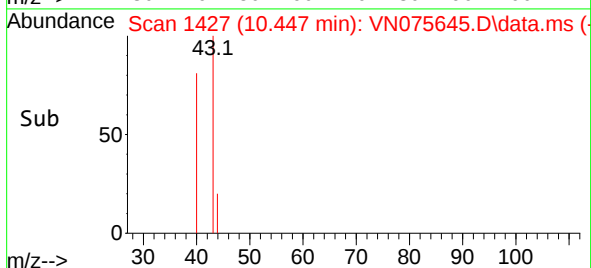
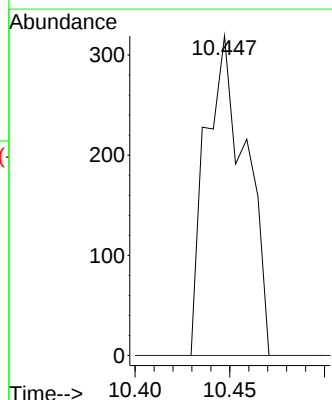
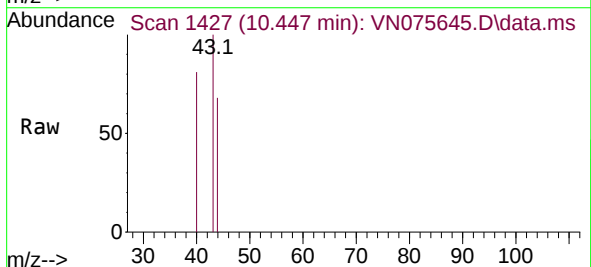
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-95-105-120722

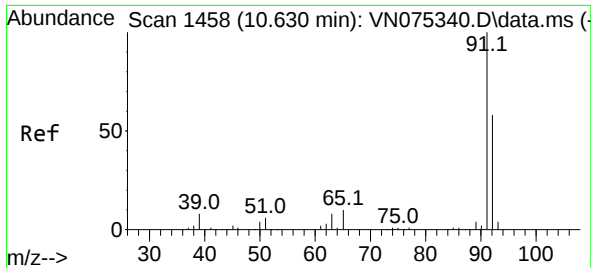
Tgt Ion: 98 Resp: 119772
Ion Ratio Lower Upper
98 100
100 64.9 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 0.217 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Tgt Ion: 43 Resp: 473
Ion Ratio Lower Upper
43 100
58 0.0 33.6 50.4#

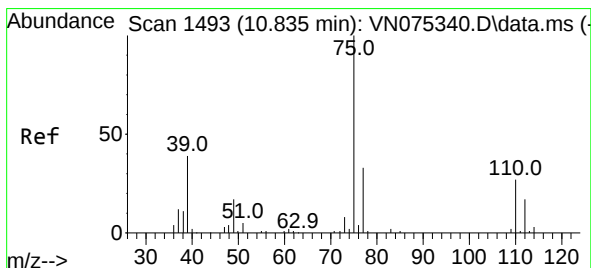
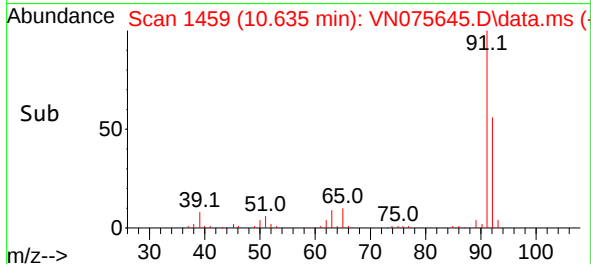
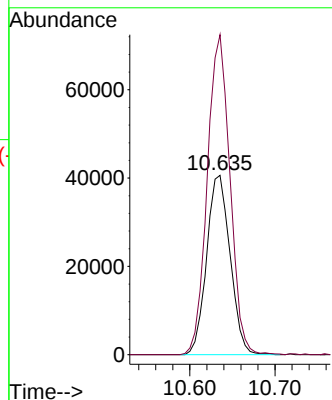
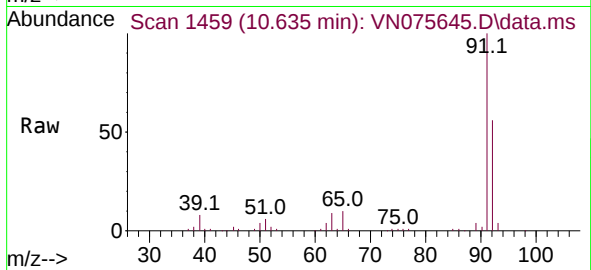




#52
Toluene
Concen: 16.673 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

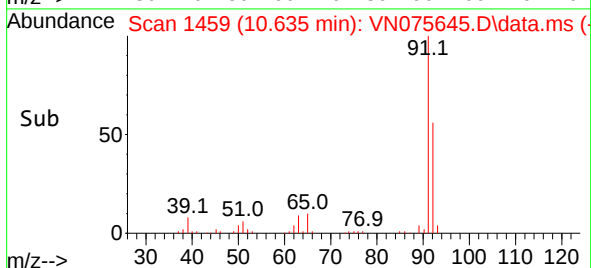
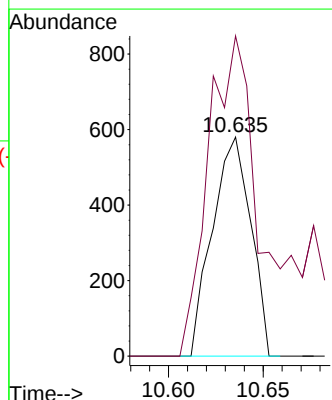
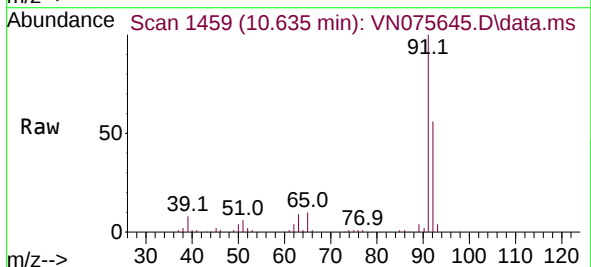
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-95-105-120722

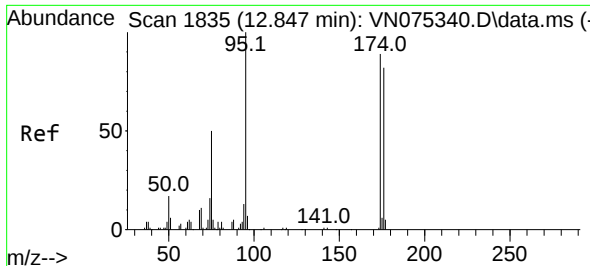
Tgt Ion: 92 Resp: 77736
Ion Ratio Lower Upper
92 100
91 172.7 135.4 203.2



#53
t-1,3-Dichloropropene
Concen: 0.323 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.200 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Tgt Ion: 75 Resp: 819
Ion Ratio Lower Upper
75 100
77 146.2 25.4 38.2#

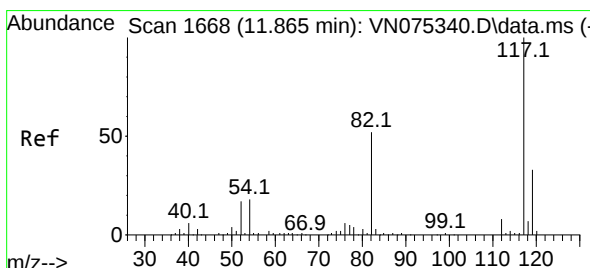
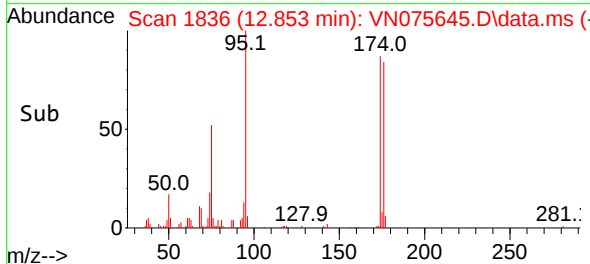
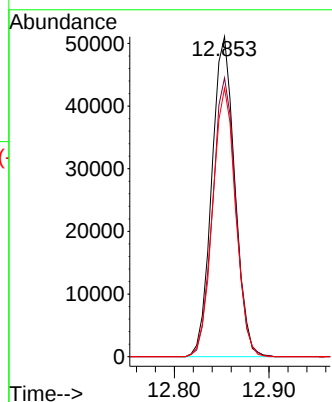
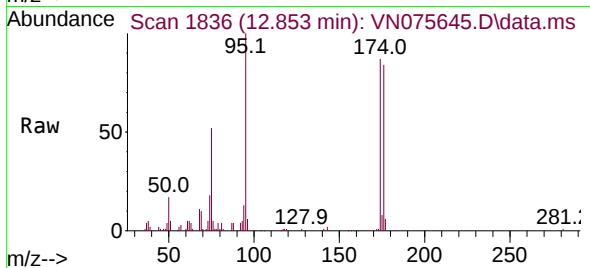




#62
4-Bromofluorobenzene
Concen: 47.920 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

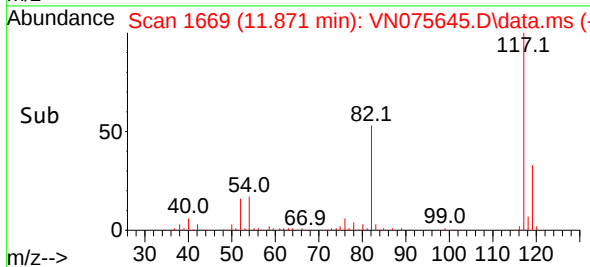
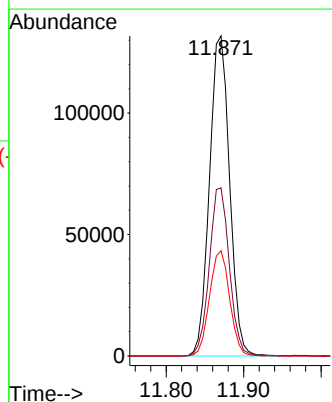
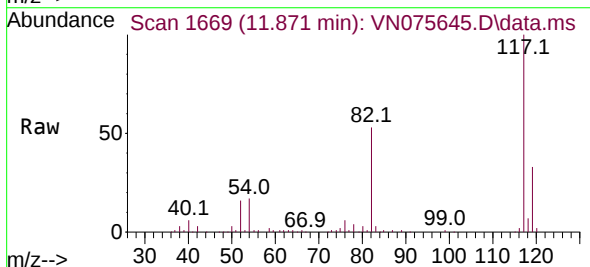
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-95-105-120722

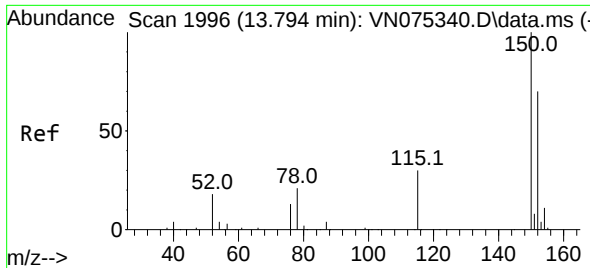
Tgt Ion: 95 Resp: 86322
Ion Ratio Lower Upper
95 100
174 87.1 0.0 147.4
176 84.1 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Tgt Ion: 117 Resp: 237917
Ion Ratio Lower Upper
117 100
82 52.6 43.1 64.7
119 32.9 25.5 38.3

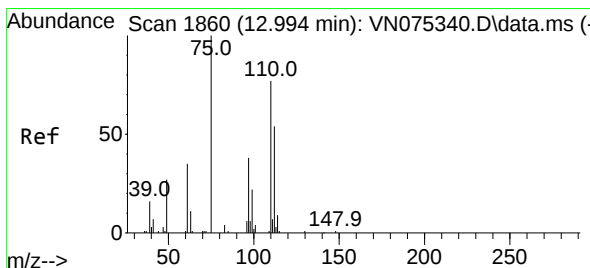
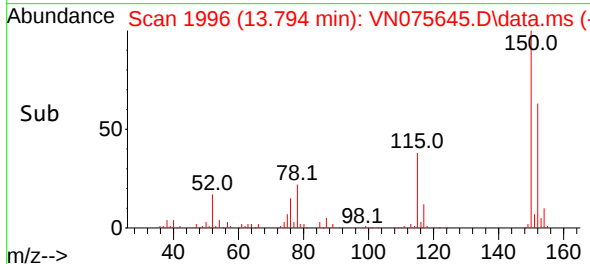
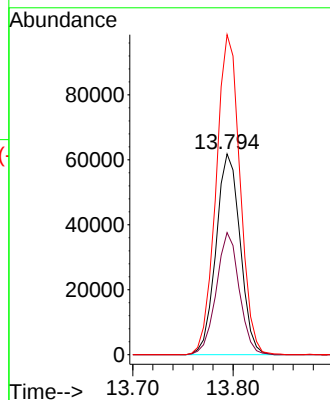
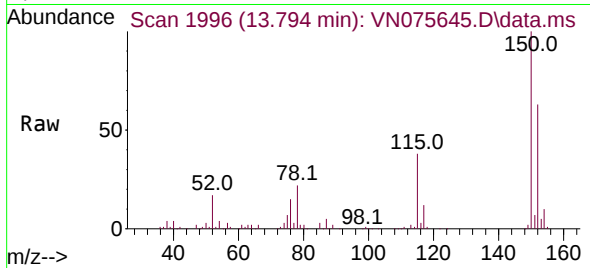




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. 0.000 min
 Lab File: VN075645.D
 Acq: 08 Dec 2022 14:08

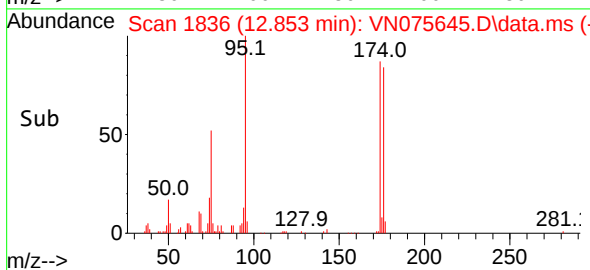
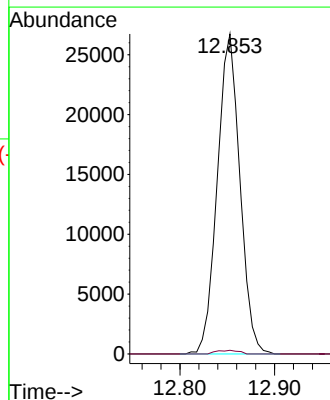
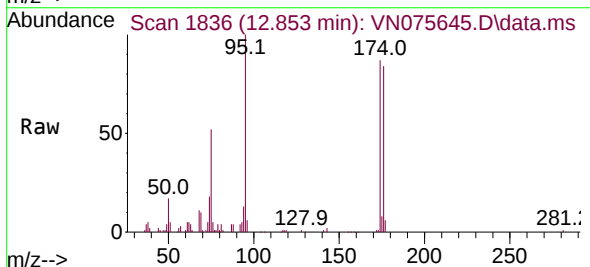
Instrument :
 MSVOA_N
 ClientSampleId :
 GW-BR-04-95-105-120722

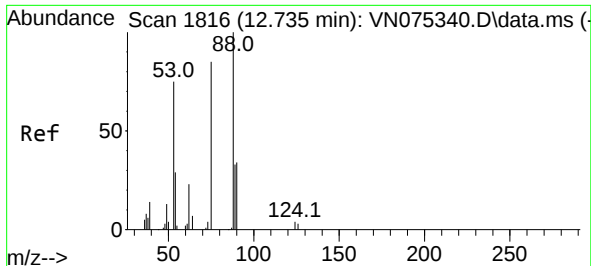
Tgt Ion:152 Resp: 103155
 Ion Ratio Lower Upper
 152 100
 115 58.0 30.2 90.6
 150 158.4 0.0 348.4



#76
 1,2,3-Trichloropropane
 Concen: 22.746 ug/l
 RT: 12.853 min Scan# 1836
 Delta R.T. -0.141 min
 Lab File: VN075645.D
 Acq: 08 Dec 2022 14:08

Tgt Ion: 75 Resp: 44364
 Ion Ratio Lower Upper
 75 100
 77 1.1 75.6 226.8#

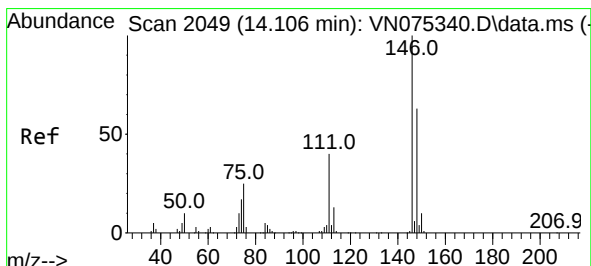
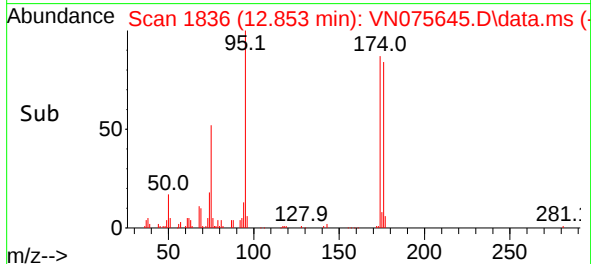
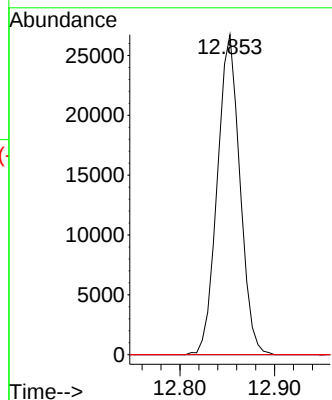
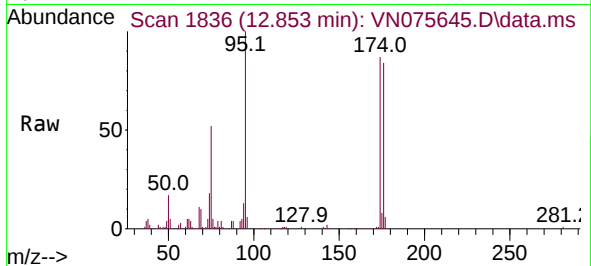




#81
trans-1,4-Dichloro-2-butene
Concen: 67.301 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

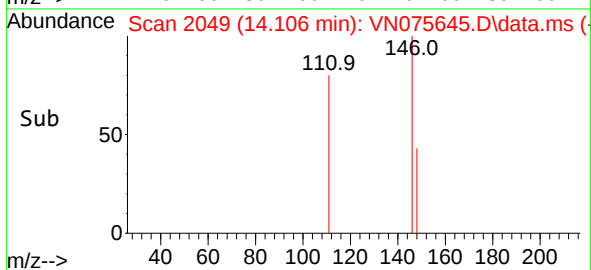
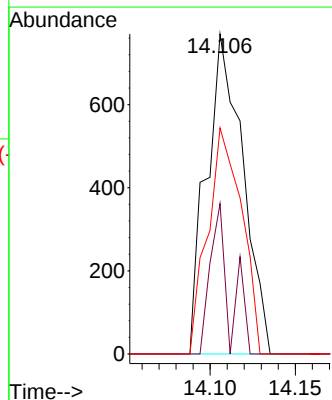
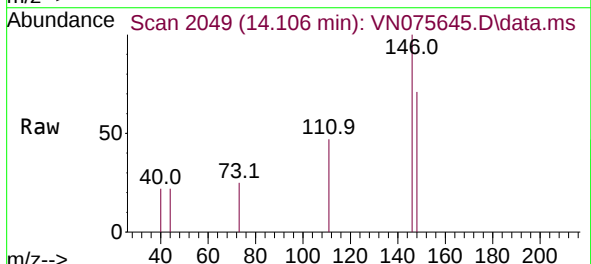
Instrument :
MSVOA_N
ClientSampleId :
GW-BR-04-95-105-120722

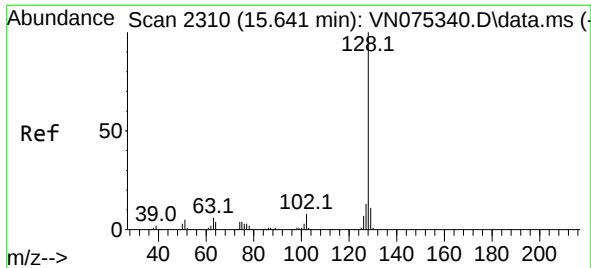
Tgt Ion: 75 Resp: 44364
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#



#91
1,2-Dichlorobenzene
Concen: 0.331 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

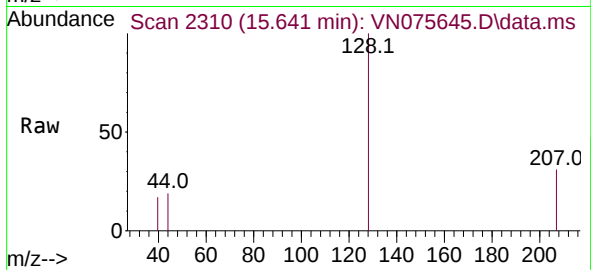
Tgt Ion:146 Resp: 1137
Ion Ratio Lower Upper
146 100
111 25.3 21.3 63.9
148 66.4 31.4 94.2





#95
Naphthalene
Concen: 0.310 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075645.D
Acq: 08 Dec 2022 14:08

Instrument : MSVOA_N
ClientSampleId : GW-BR-04-95-105-120722



Tgt Ion:128 Resp: 1719
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 12.8#

