

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102722\
 Data File : VN075032.D
 Acq On : 27 Oct 2022 11:04
 Operator : JC\MD
 Sample : VN1027MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027MBL01

Quant Time: Oct 28 02:12:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

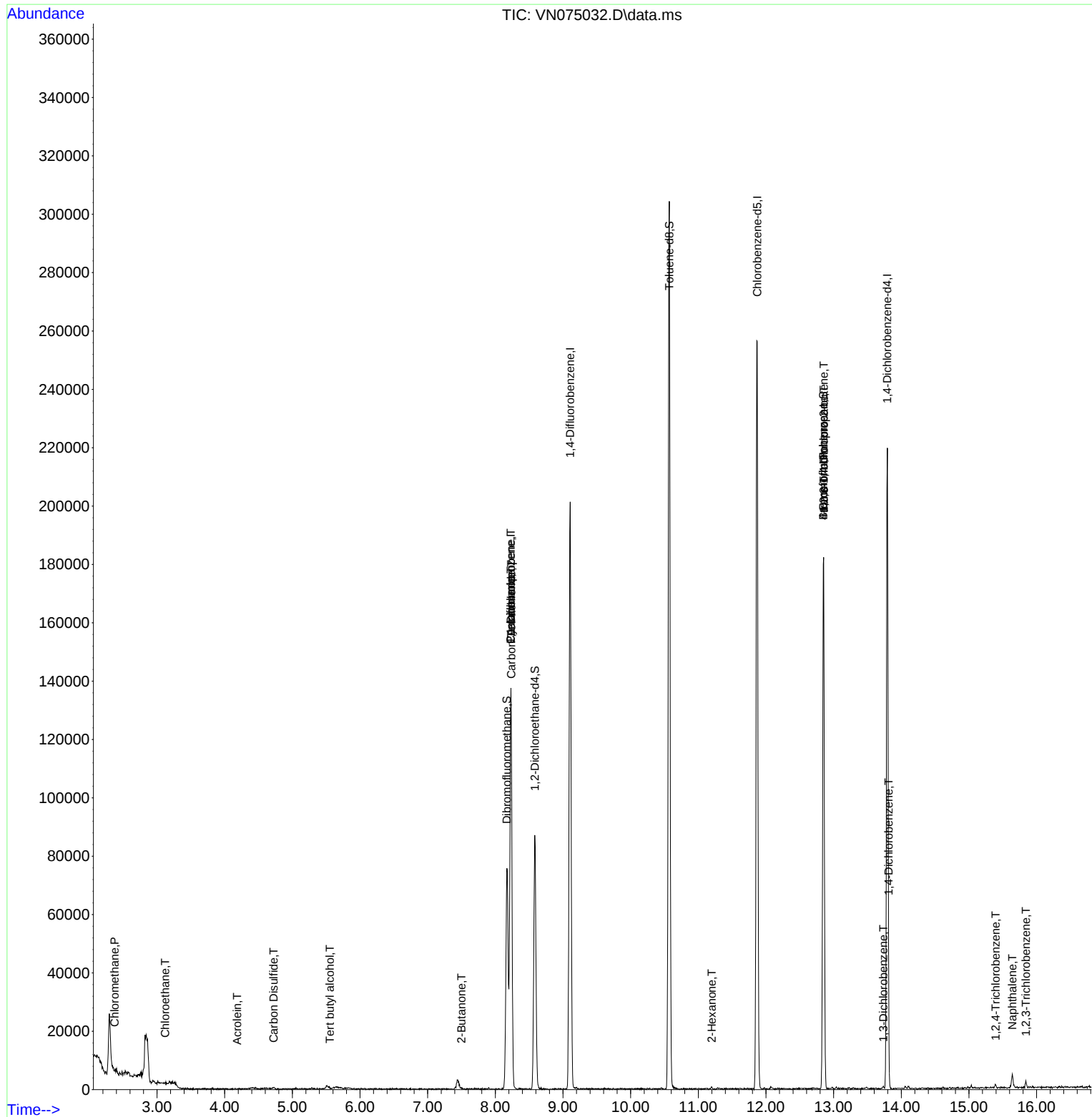
Internal Standards						
1) Pentafluorobenzene	8.230	168	95721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	176429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	147971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	57490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	70728	54.840	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery	= 109.680%		
35) Dibromofluoromethane	8.171	113	54057	52.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 104.380%		
50) Toluene-d8	10.571	98	213070	53.024	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery	= 106.040%		
62) 4-Bromofluorobenzene	12.847	95	61424	43.515	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 87.020%		
Target Compounds						Qvalue
3) Chloromethane	2.371	50	291	0.220	ug/l #	42
5) Bromomethane	2.959	94	463	Below Cal	#	75
6) Chloroethane	3.118	64	456	0.337	ug/l #	45
11) Tert butyl alcohol	5.553	59	118	0.392	ug/l #	72
13) Acrolein	4.183	56	53	0.215	ug/l #	15
17) Carbon Disulfide	4.724	76	783	0.307	ug/l #	74
25) 2-Butanone	7.500	43	349	0.406	ug/l #	43
31) Cyclohexane	8.230	56	2177	1.135	ug/l #	17
36) 1,1-Dichloropropene	8.230	75	8651	5.395	ug/l #	49
38) Carbon Tetrachloride	8.236	117	10924	6.193	ug/l #	16
59) 2-Hexanone	11.200	43	538	0.403	ug/l #	48
71) Bromoform	12.847	173	195	0.222	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	34588	28.335	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	34588	72.737	ug/l #	10
87) 1,3-Dichlorobenzene	13.735	146	567	0.285	ug/l #	33
88) 1,4-Dichlorobenzene	13.812	146	732	0.372	ug/l #	42
93) 1,2,4-Trichlorobenzene	15.394	180	706	0.829	ug/l #	79
95) Naphthalene	15.641	128	5253	1.605	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	727	0.860	ug/l	74

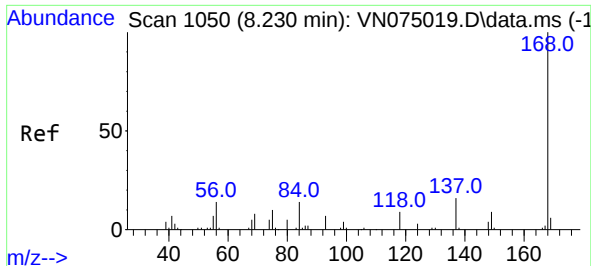
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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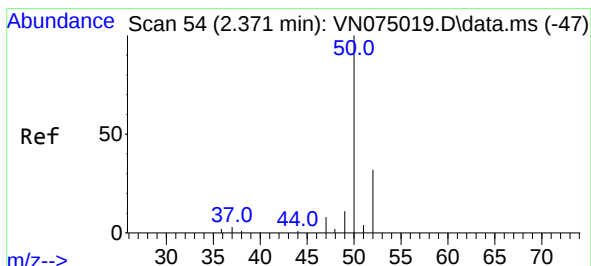
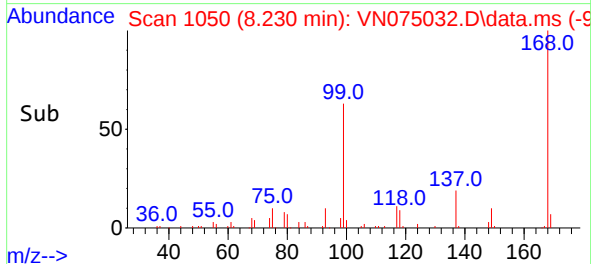
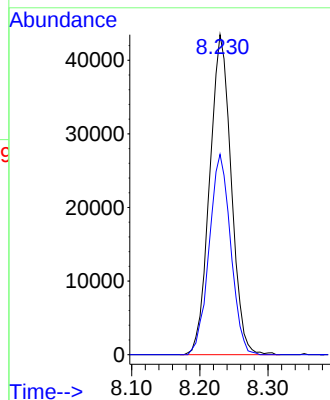
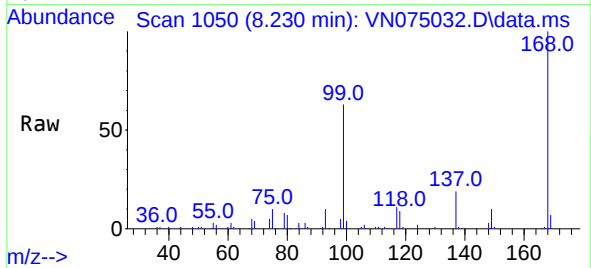




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

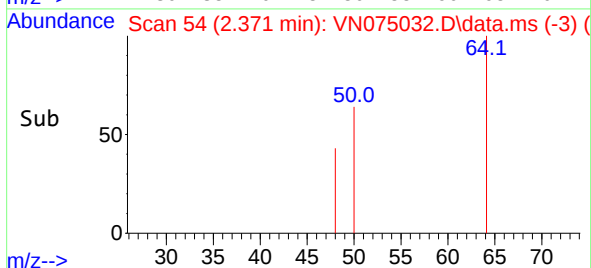
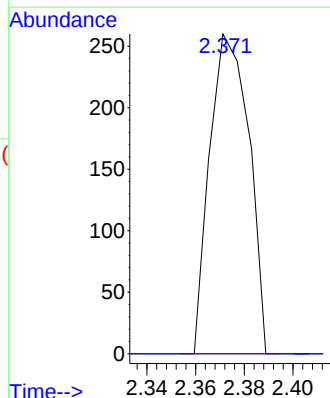
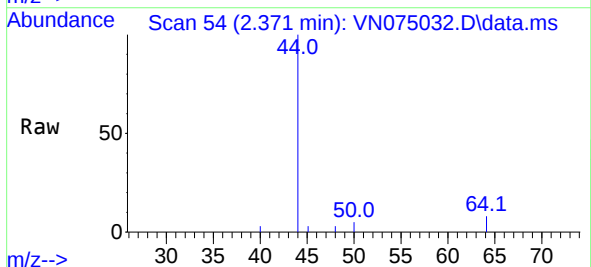
Instrument :
MSVOA_N
ClientSampleId :
VN1027MBL01

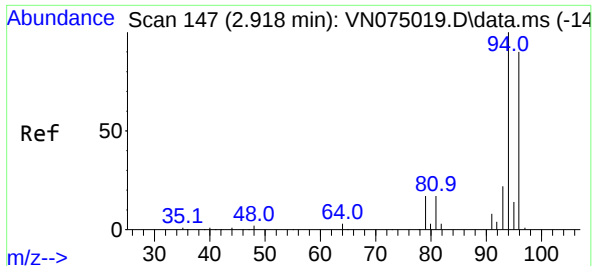
Tgt Ion:168 Resp: 95721
Ion Ratio Lower Upper
168 100
99 62.6 51.6 77.4



#3
Chloromethane
Concen: 0.220 ug/l
RT: 2.371 min Scan# 54
Delta R.T. 0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Tgt Ion: 50 Resp: 291
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

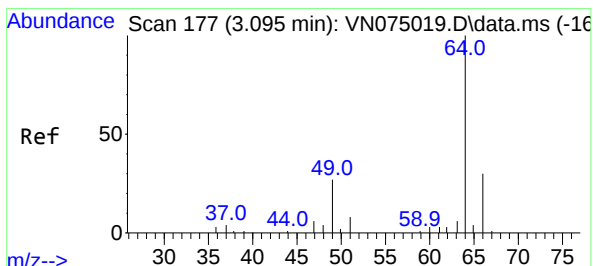
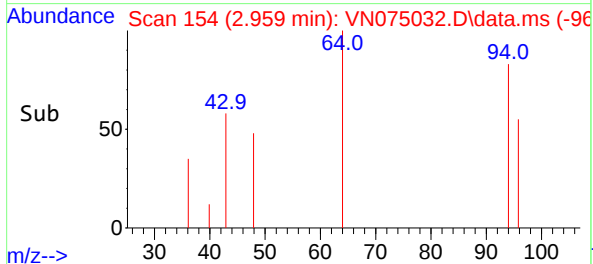
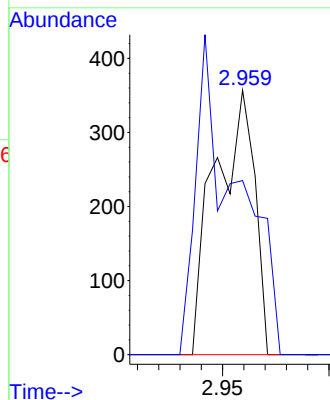
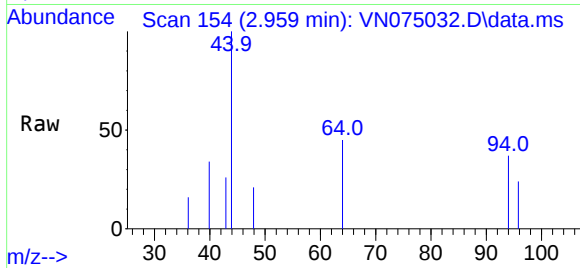




#5
Bromomethane
Concen: Below Cal
RT: 2.959 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

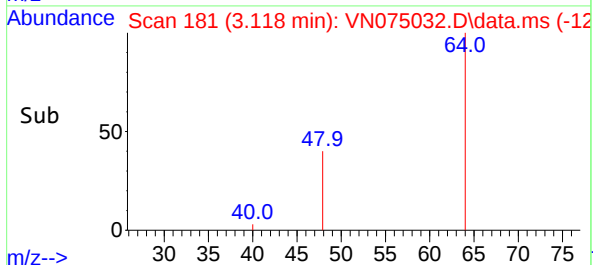
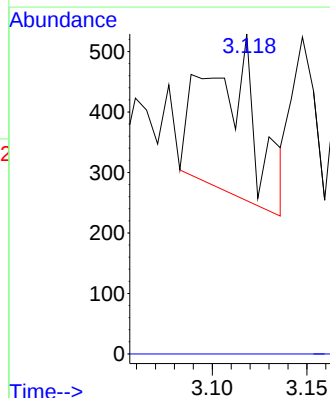
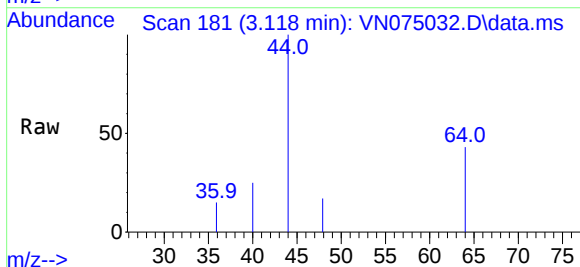
Instrument :
MSVOA_N
ClientSampleId :
VN1027MBL01

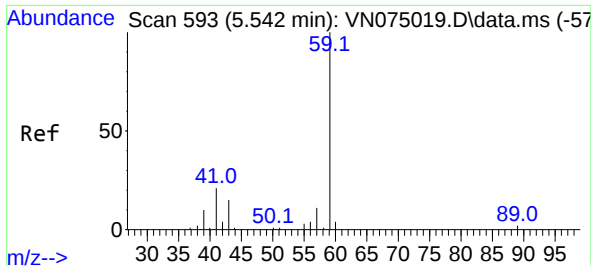
Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 65.8 71.8 107.6#



#6
Chloroethane
Concen: 0.337 ug/l
RT: 3.118 min Scan# 181
Delta R.T. 0.023 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Tgt Ion: 64 Resp: 456
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#

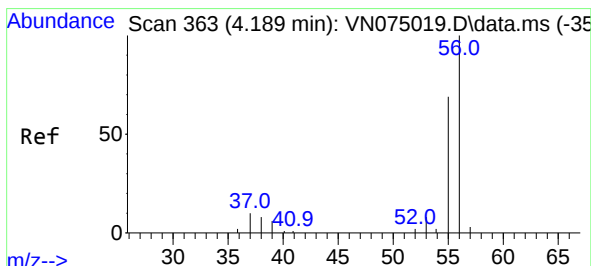
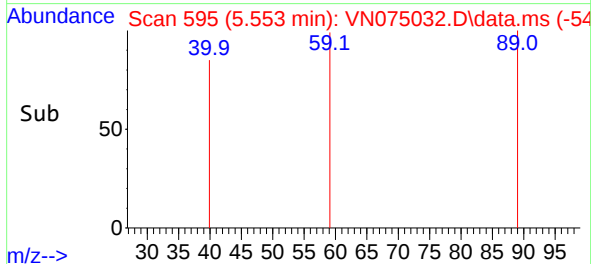
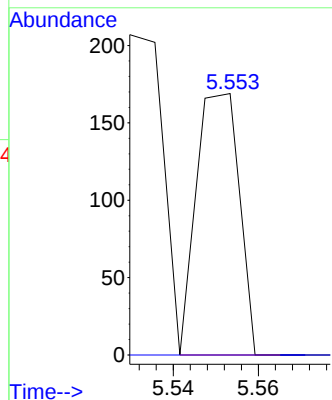
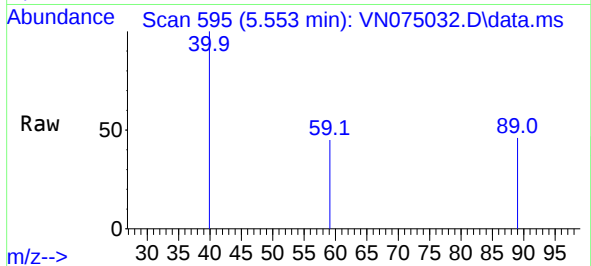




#11
Tert butyl alcohol
Concen: 0.392 ug/l
RT: 5.553 min Scan# 59
Delta R.T. 0.011 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

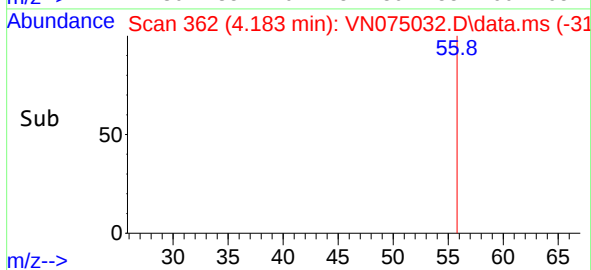
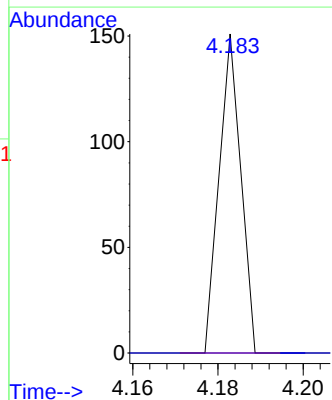
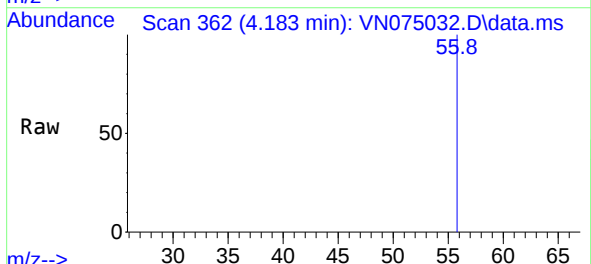
Instrument :
MSVOA_N
ClientSampleId :
VN1027MBL01

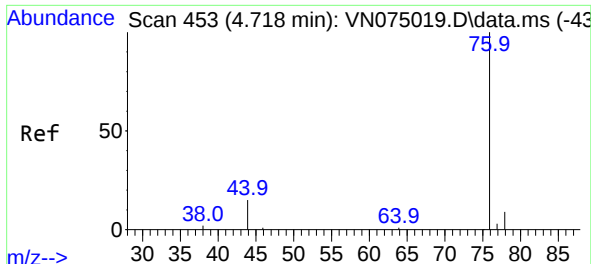
Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.215 ug/l
RT: 4.183 min Scan# 362
Delta R.T. -0.006 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 55.2 82.8#

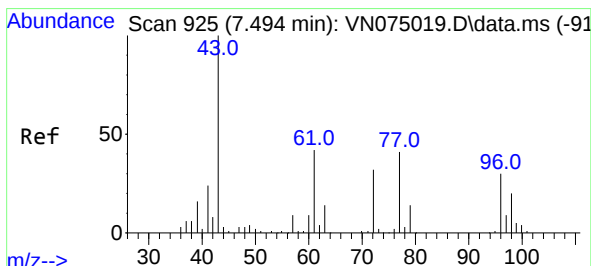
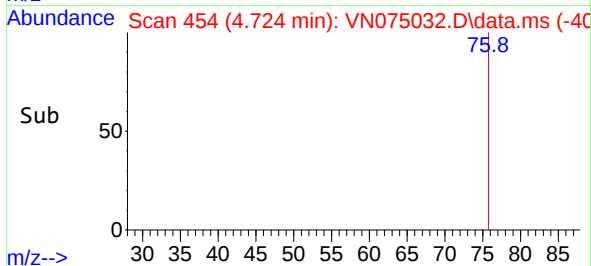
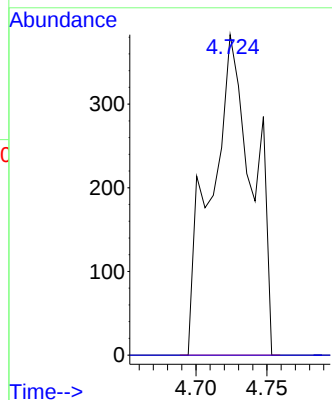
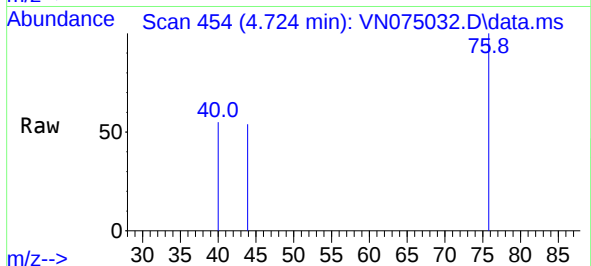




#17
Carbon Disulfide
Concen: 0.307 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

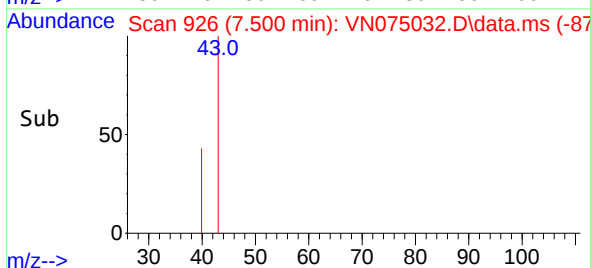
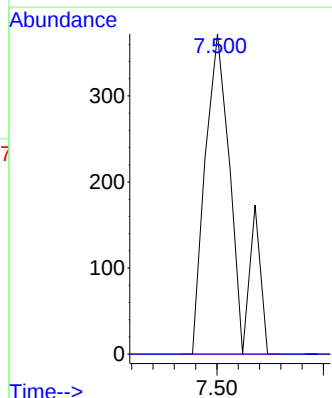
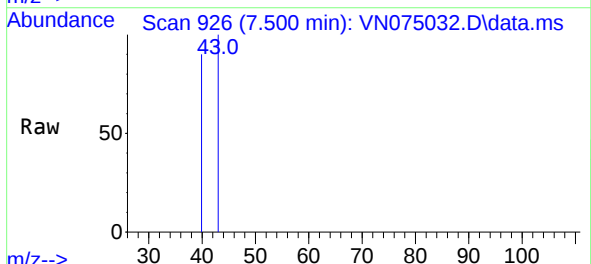
Instrument :
MSVOA_N
ClientSampleId :
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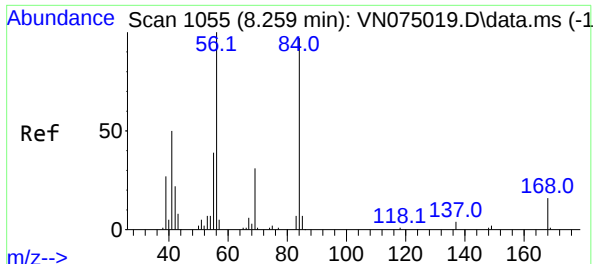
Tgt Ion: 76 Resp: 783
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#25
2-Butanone
Concen: 0.406 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

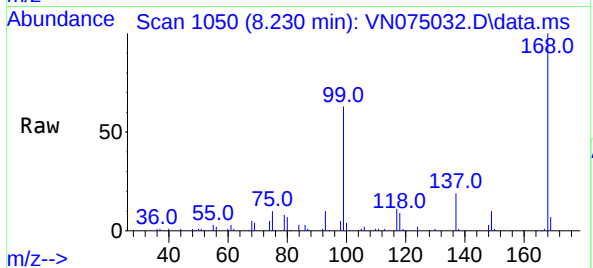
Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



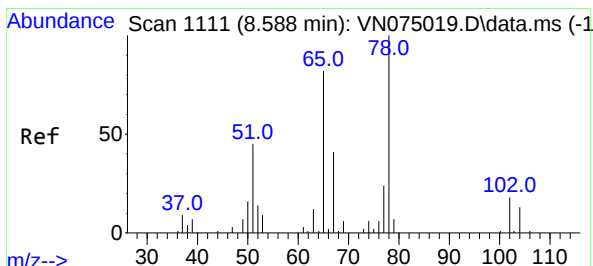
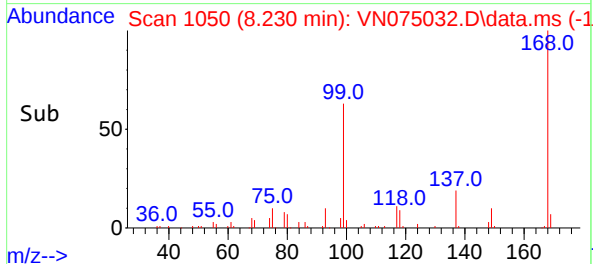
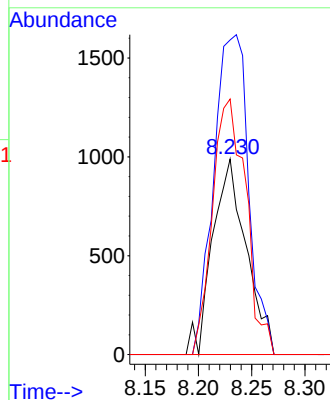


#31
Cyclohexane
Concen: 1.135 ug/l
RT: 8.230 min Scan# 110
Delta R.T. -0.029 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN1027MBL01

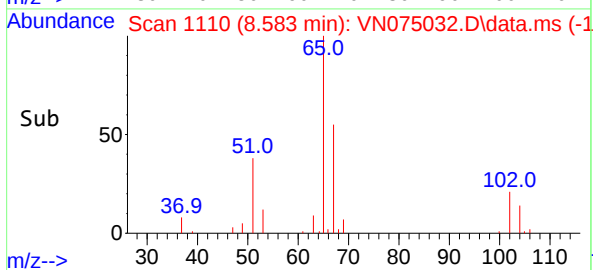
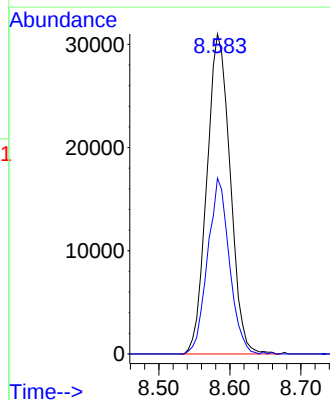
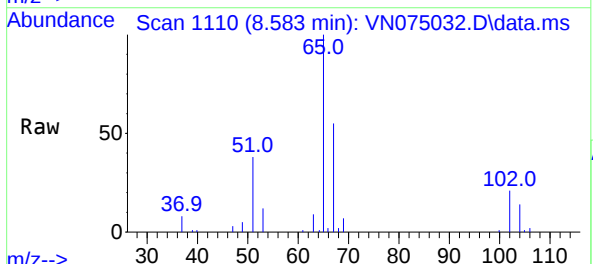


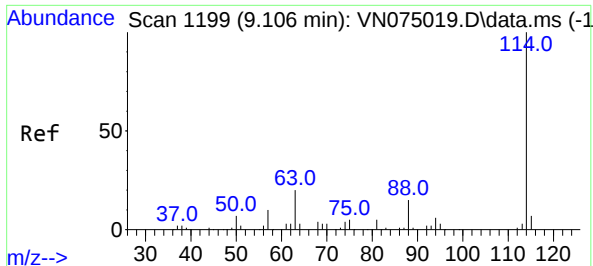
Tgt Ion: 56 Resp: 2177
Ion Ratio Lower Upper
56 100
69 160.9 25.2 37.8#
84 130.7 77.8 116.8#



#33
1,2-Dichloroethane-d4
Concen: 54.840 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.005 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Tgt Ion: 65 Resp: 70728
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.0

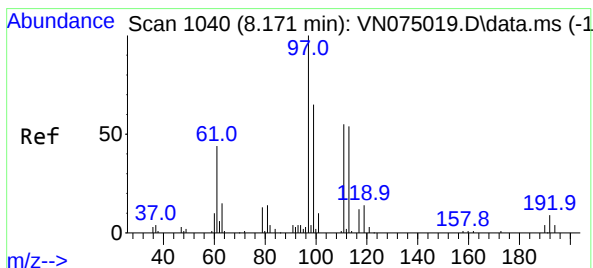
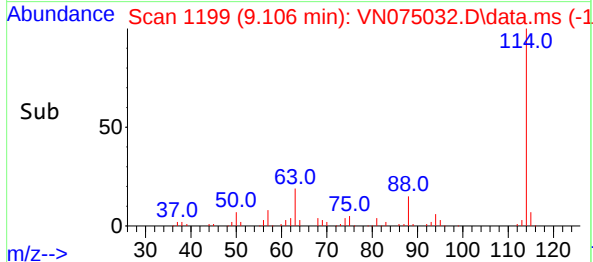
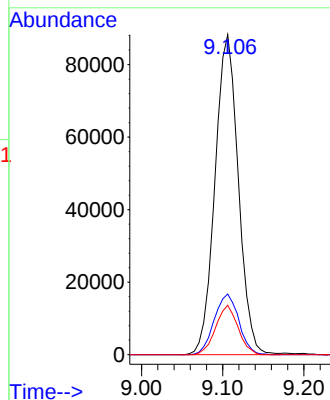
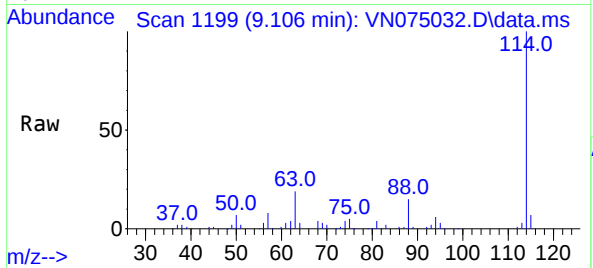




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

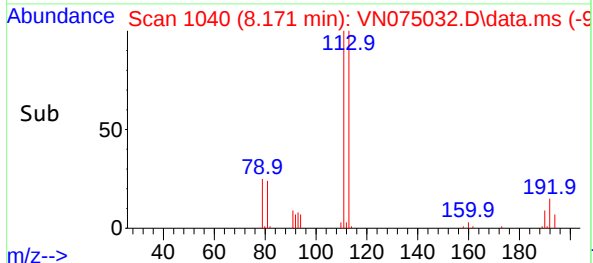
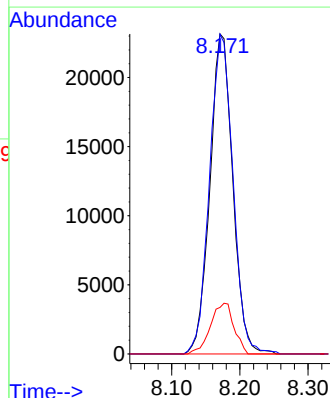
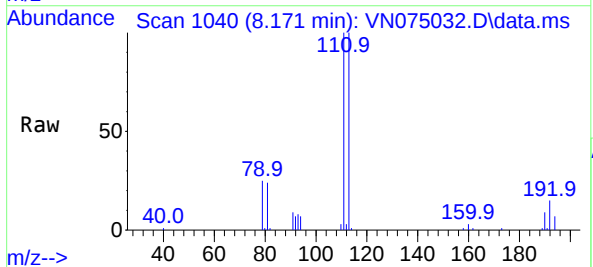
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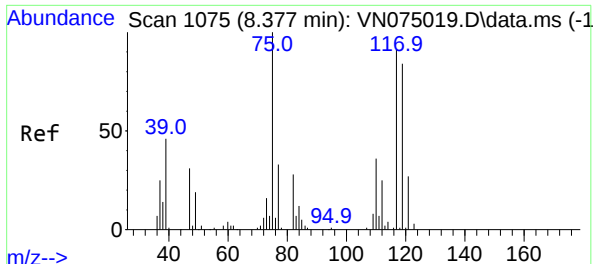
Tgt Ion:114 Resp: 176429
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.6
88 15.5 0.0 29.0



#35
Dibromofluoromethane
Concen: 52.192 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Tgt Ion:113 Resp: 54057
Ion Ratio Lower Upper
113 100
111 102.3 80.5 120.7
192 16.3 13.2 19.8





#36

1,1-Dichloropropene

Concen: 5.395 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075032.D

Acq: 27 Oct 2022 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN1027MBL01

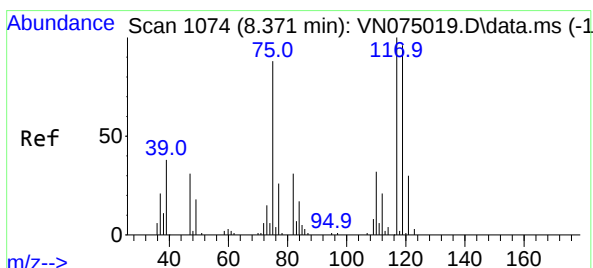
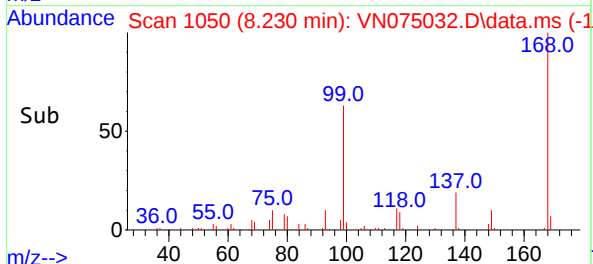
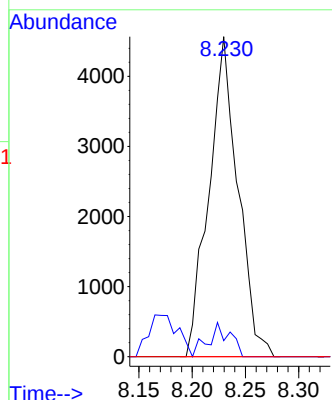
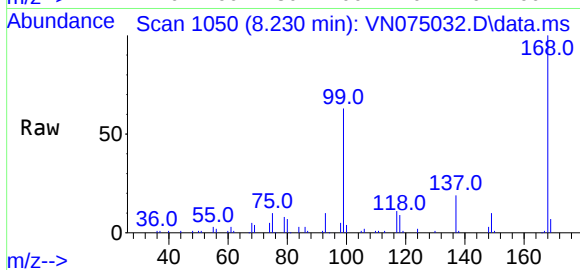
Tgt Ion: 75 Resp: 8651

Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.3#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 6.193 ug/l

RT: 8.236 min Scan# 1051

Delta R.T. -0.135 min

Lab File: VN075032.D

Acq: 27 Oct 2022 11:04

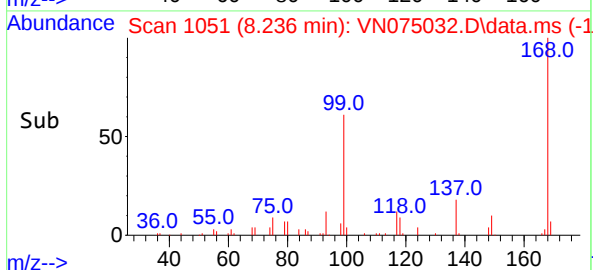
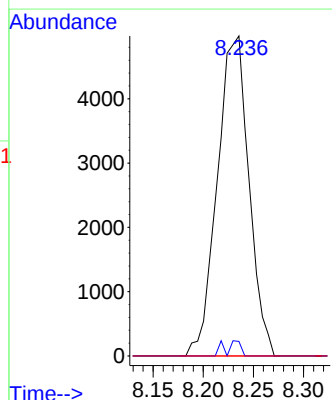
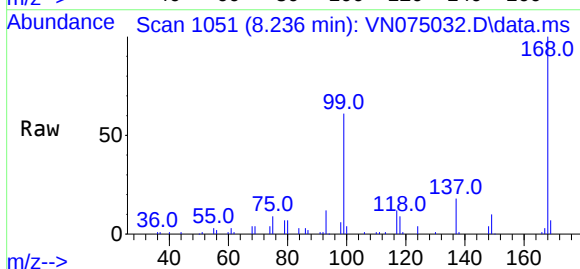
Tgt Ion: 117 Resp: 10924

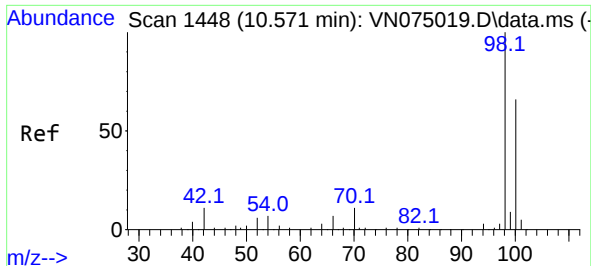
Ion Ratio Lower Upper

117 100

119 4.5 76.7 115.1#

121 0.0 23.9 35.9#

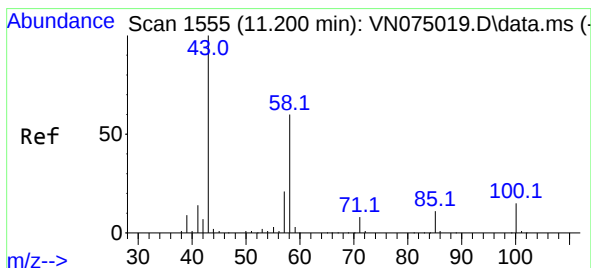
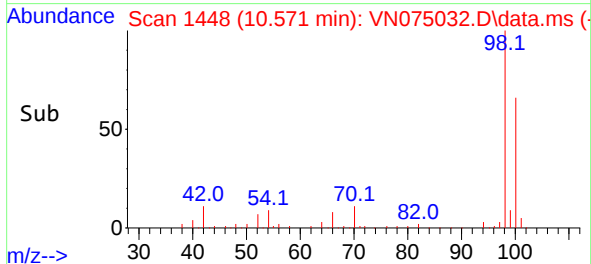
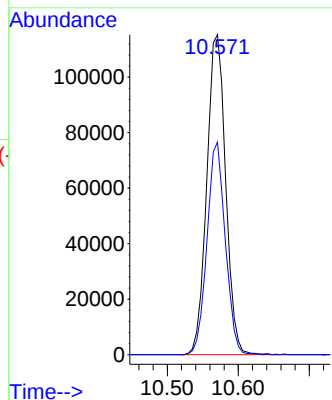
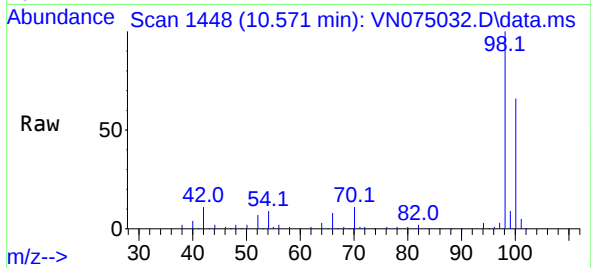




#50
Toluene-d8
Concen: 53.024 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

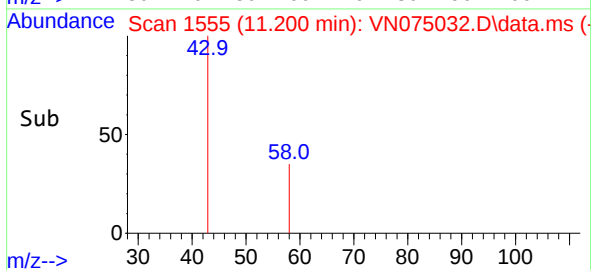
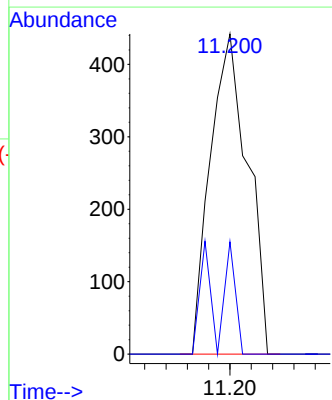
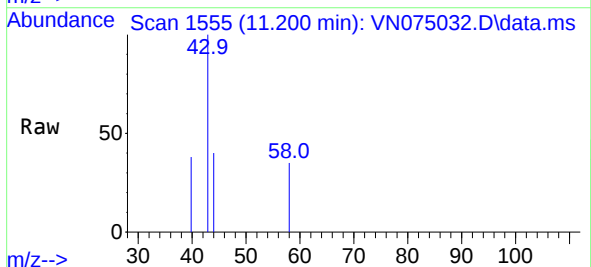
Instrument :
MSVOA_N
ClientSampleId :
VN1027MBL01

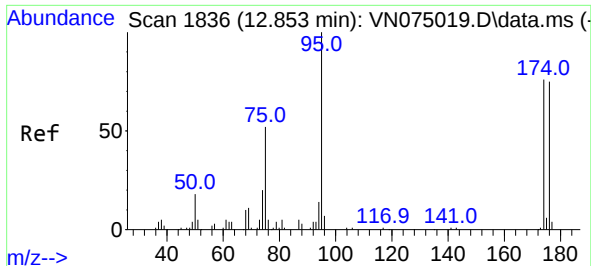
Tgt Ion: 98 Resp: 213070
Ion Ratio Lower Upper
98 100
100 64.4 53.0 79.6



#59
2-Hexanone
Concen: 0.403 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
58 20.4 29.6 88.8#

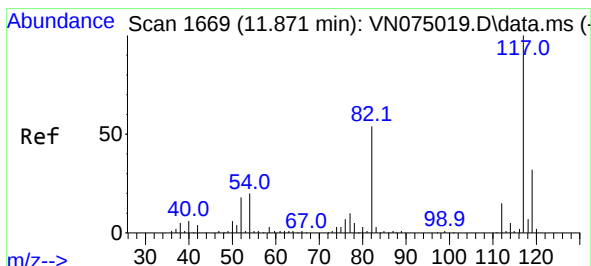
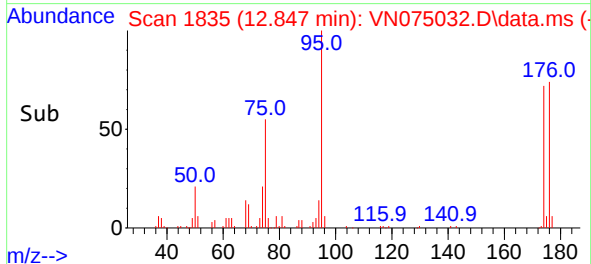
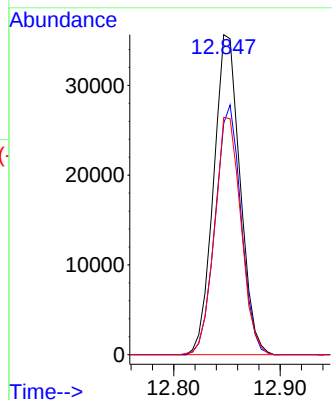
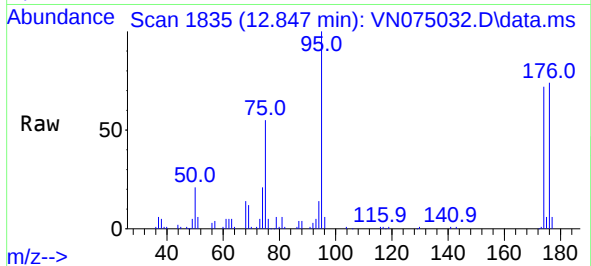




#62
4-Bromofluorobenzene
Concen: 43.515 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

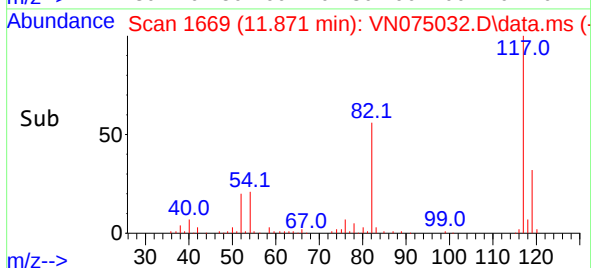
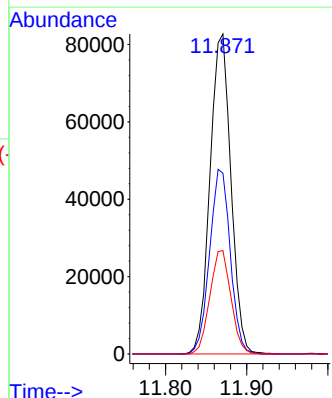
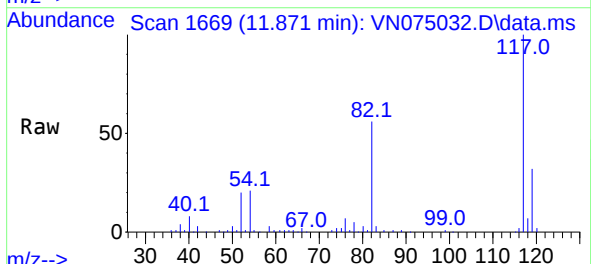
Instrument :
MSVOA_N
ClientSampleId :
VN1027MBL01

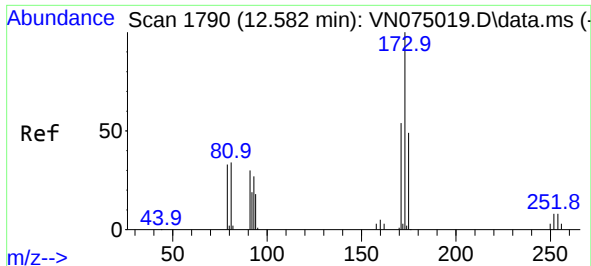
Tgt Ion: 95 Resp: 61424
Ion Ratio Lower Upper
95 100
174 76.1 0.0 147.4
176 73.9 0.0 142.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Tgt Ion: 117 Resp: 147971
Ion Ratio Lower Upper
117 100
82 56.5 43.1 64.7
119 32.3 25.5 38.3

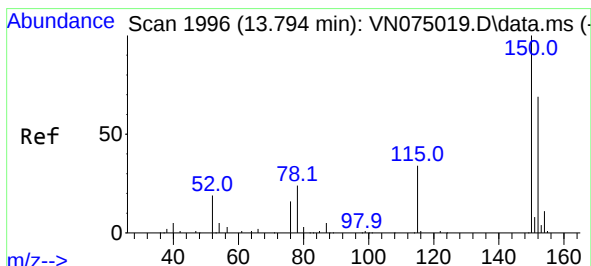
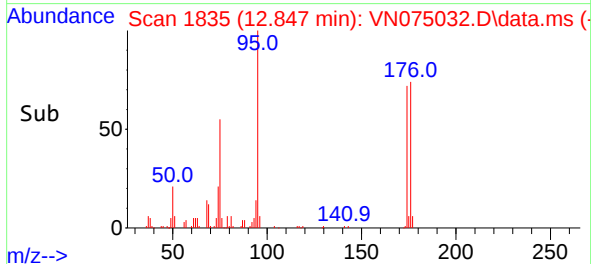
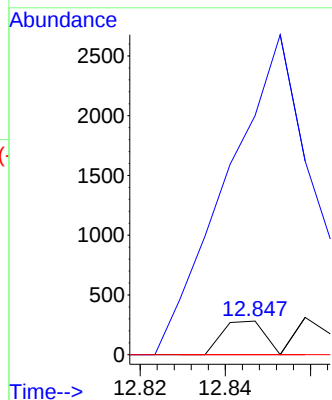
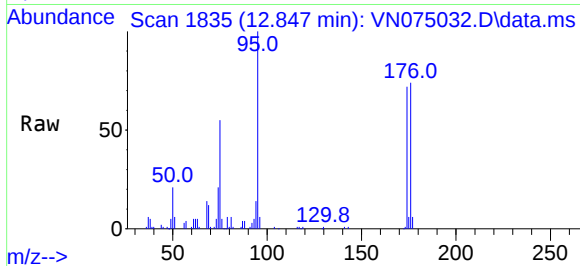




#71
Bromoform
Concen: 0.222 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

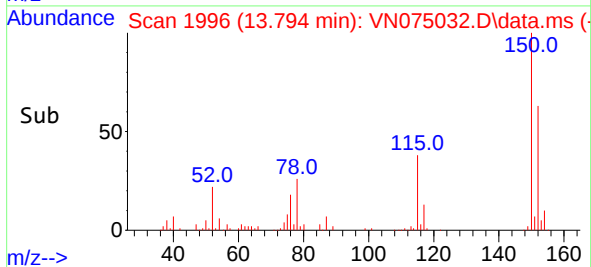
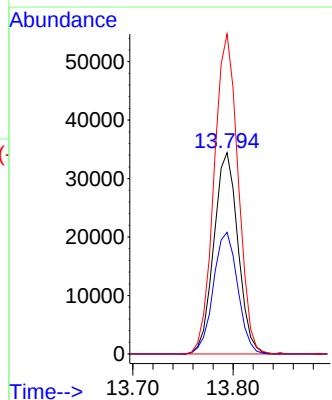
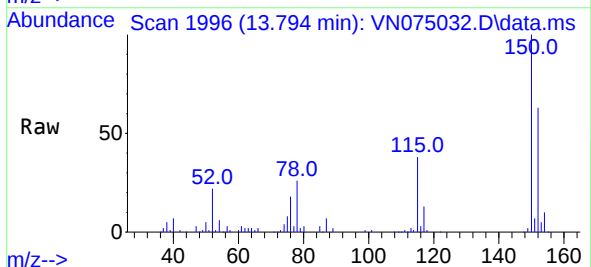
Instrument :
MSVOA_N
ClientSampleId :
VN1027MBL01

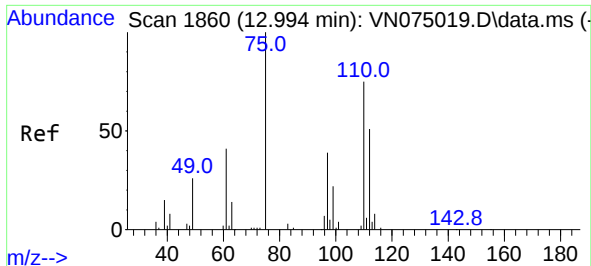
Tgt Ion:173 Resp: 195
Ion Ratio Lower Upper
173 100
175 1691.8 24.6 74.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Tgt Ion:152 Resp: 57490
Ion Ratio Lower Upper
152 100
115 61.2 30.2 90.6
150 158.4 0.0 348.4

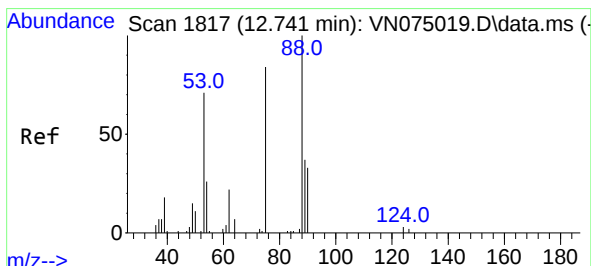
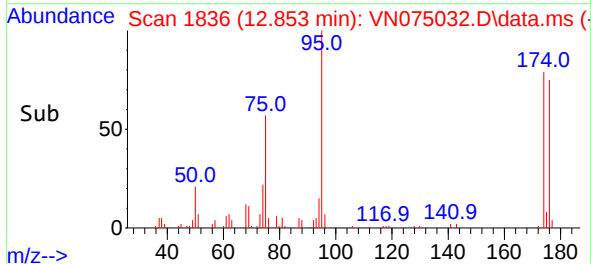
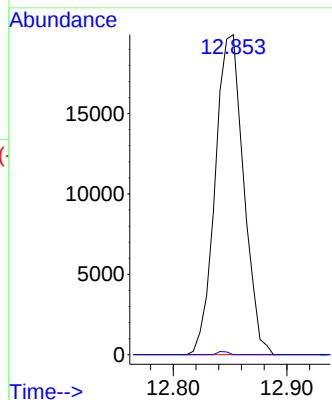
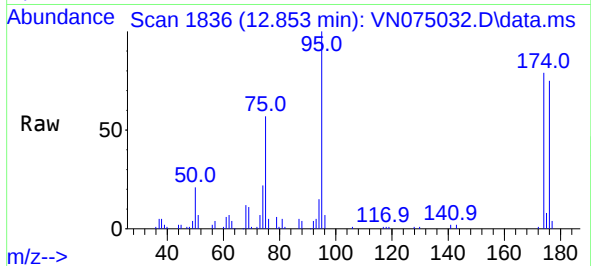




#76
1,2,3-Trichloropropane
Concen: 28.335 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

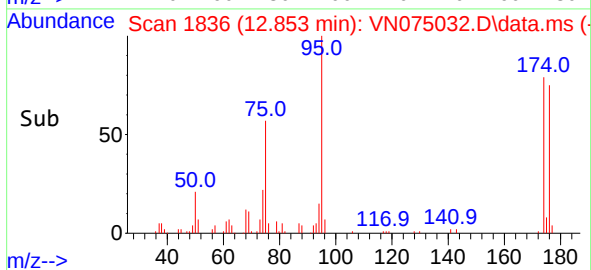
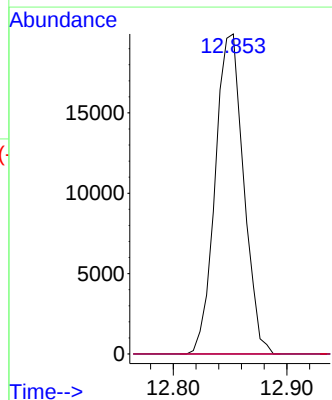
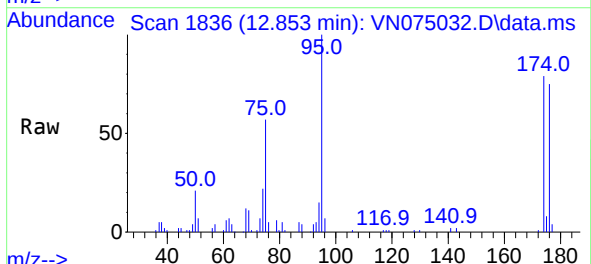
Instrument :
MSVOA_N
ClientSampleId :
VN1027MBL01

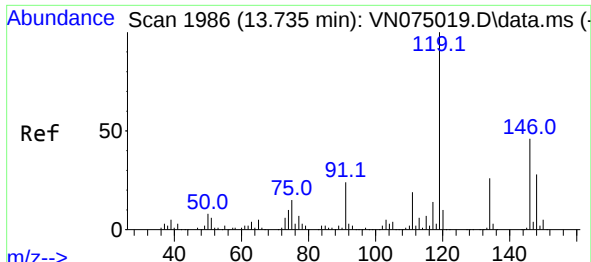
Tgt Ion: 75 Resp: 34588
Ion Ratio Lower Upper
75 100
77 0.4 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.737 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

Tgt Ion: 75 Resp: 34588
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#





#87

1,3-Dichlorobenzene

Concen: 0.285 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN075032.D

Acq: 27 Oct 2022 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN1027MBL01

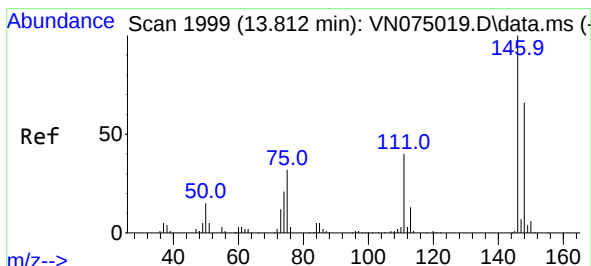
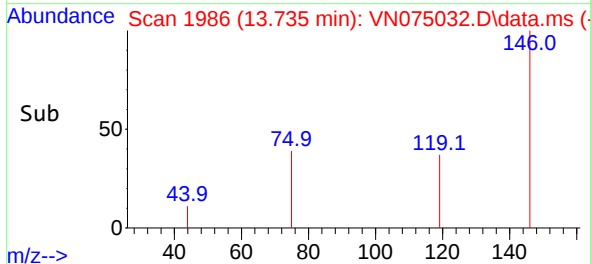
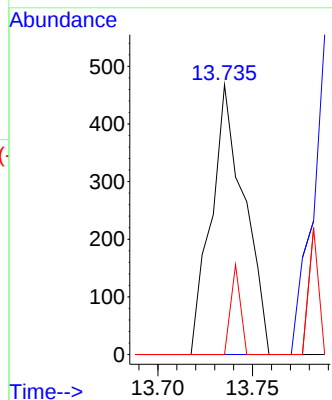
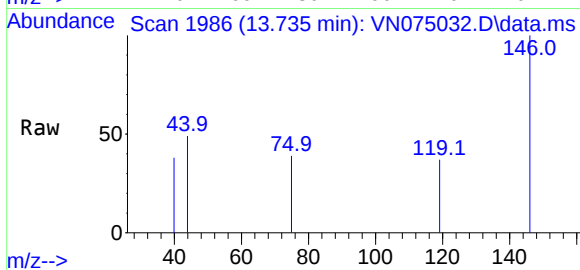
Tgt Ion:146 Resp: 567

Ion Ratio Lower Upper

146 100

111 0.0 20.8 62.5#

148 9.7 31.1 93.5#



#88

1,4-Dichlorobenzene

Concen: 0.372 ug/l

RT: 13.812 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VN075032.D

Acq: 27 Oct 2022 11:04

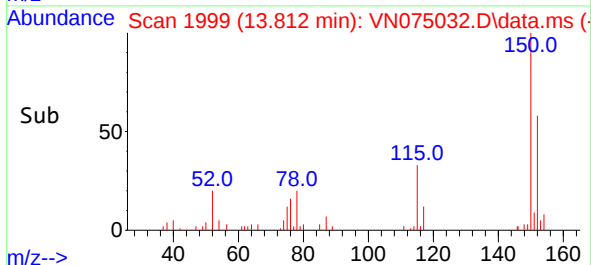
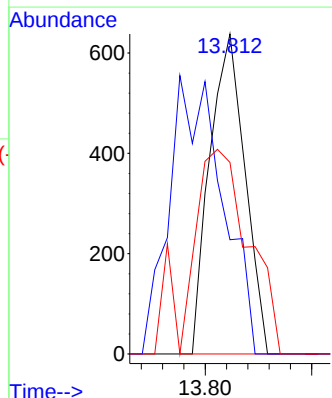
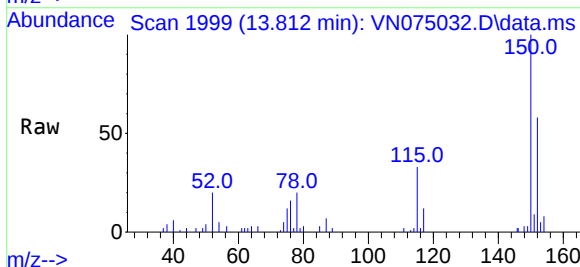
Tgt Ion:146 Resp: 732

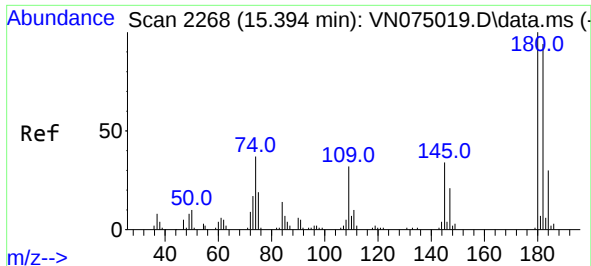
Ion Ratio Lower Upper

146 100

111 0.0 20.1 60.3#

148 105.3 31.9 95.7#

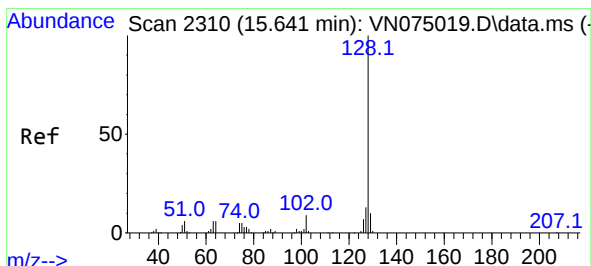
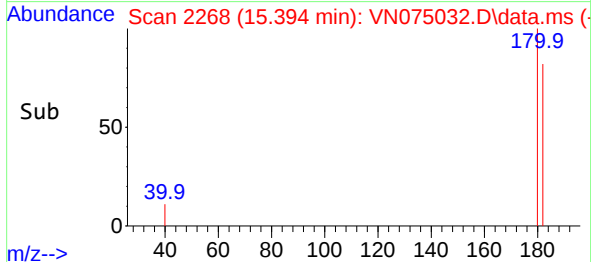
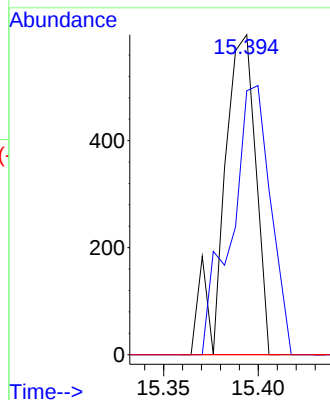
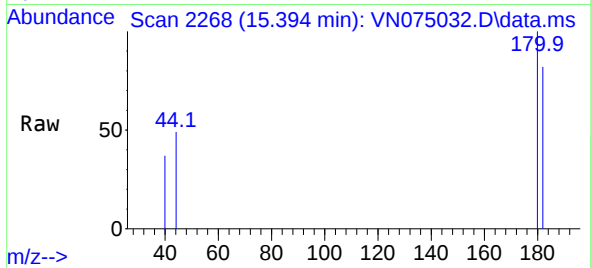




#93
1,2,4-Trichlorobenzene
Concen: 0.829 ug/l
RT: 15.394 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

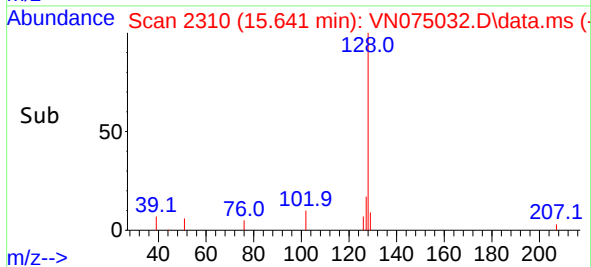
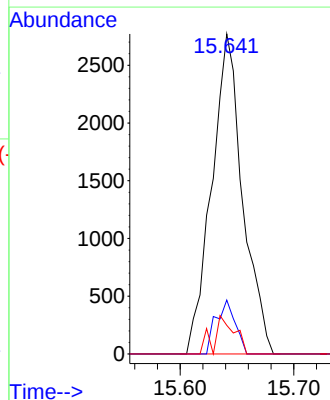
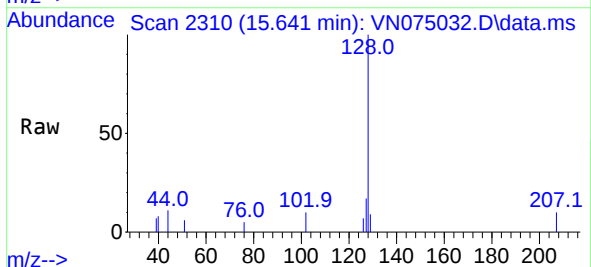
Instrument :
MSVOA_N
ClientSampleId :
VN1027MBL01

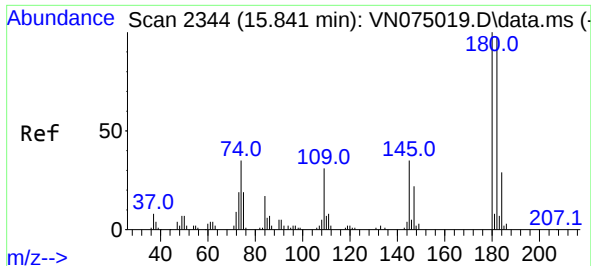
Tgt Ion:180 Resp: 706
Ion Ratio Lower Upper
180 100
182 102.7 47.8 143.4
145 0.0 16.8 50.3#



#95
Naphthalene
Concen: 1.605 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN075032.D
Acq: 27 Oct 2022 11:04

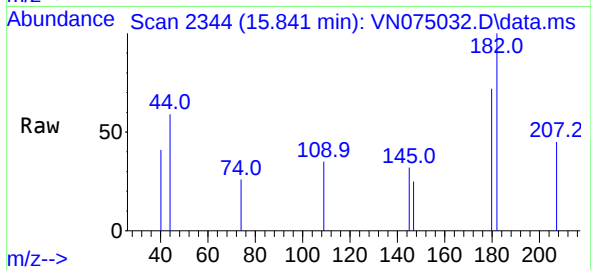
Tgt Ion:128 Resp: 5253
Ion Ratio Lower Upper
128 100
127 10.5 10.4 15.6
129 8.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.860 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN075032.D
 Acq: 27 Oct 2022 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1027MBL01



Tgt Ion:	180	Resp:	727
Ion	Ratio	Lower	Upper
180	100		
182	119.5	47.3	141.8
145	19.0	17.6	52.9

