

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076025.D
 Acq On : 29 Dec 2022 02:07
 Operator : JC\MD
 Sample : PB149923ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#06

Quant Time: Dec 29 07:49:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

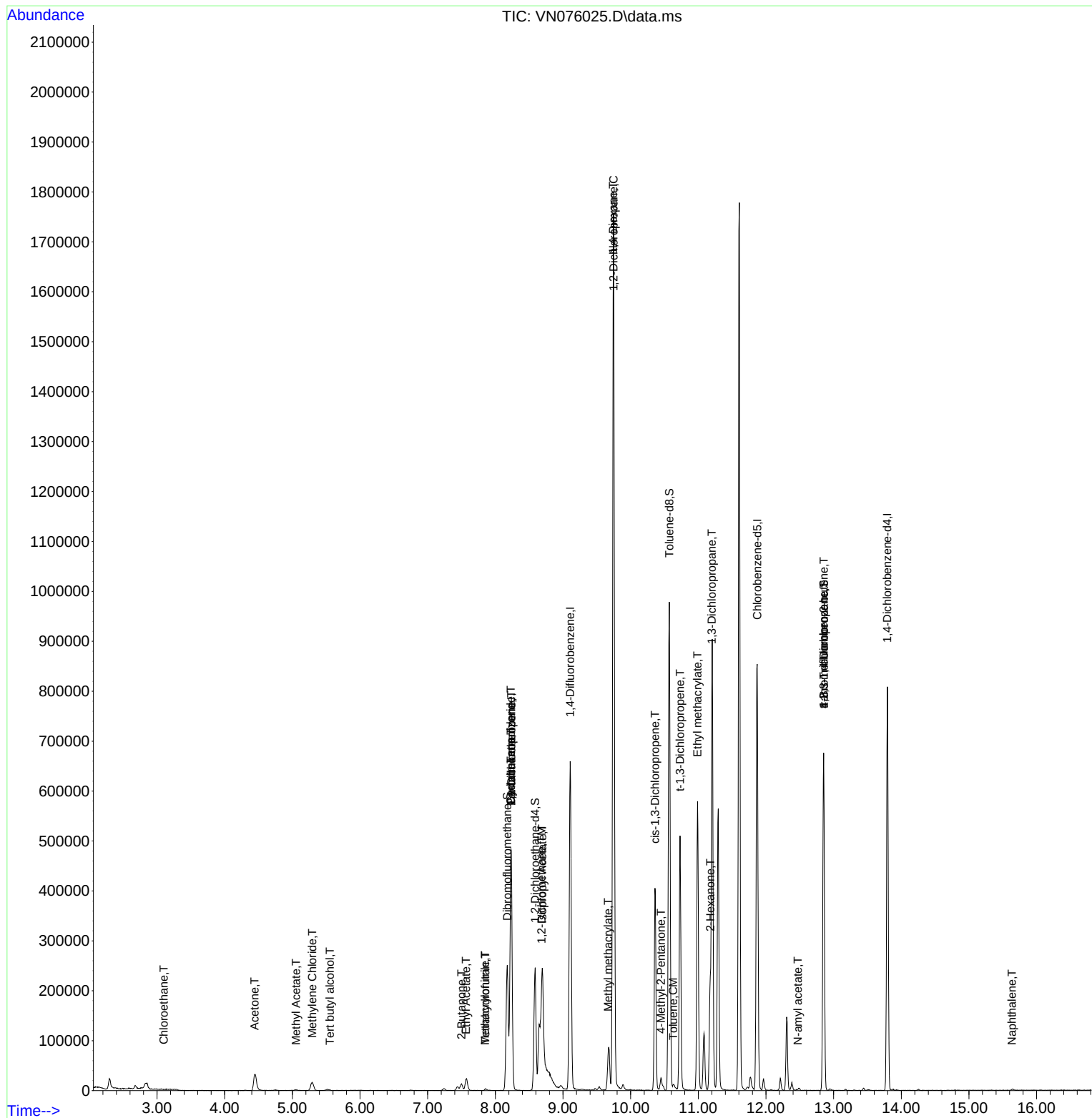
Internal Standards						
1) Pentafluorobenzene	8.235	168	390172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	610993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	538573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	226946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	194135	45.736	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.480%		
35) Dibromofluoromethane	8.177	113	178245	47.108	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.220%		
50) Toluene-d8	10.571	98	704974	49.831	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.660%		
62) 4-Bromofluorobenzene	12.853	95	228291	48.721	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.440%		
Target Compounds						
					Qvalue	
6) Chloroethane	3.100	64	809	0.266	ug/l #	44
11) Tert butyl alcohol	5.553	59	2896	4.822	ug/l #	72
16) Acetone	4.442	43	64121	43.821	ug/l	95
18) Methyl Acetate	5.053	43	2237	0.517	ug/l #	81
20) Methylene Chloride	5.294	84	14506	3.105	ug/l	88
25) 2-Butanone	7.500	43	20484	9.998	ug/l	95
29) Tetrahydrofuran	7.853	42	2350	1.830	ug/l #	72
31) Cyclohexane	8.230	56	7179	1.181	ug/l #	43
36) 1,1-Dichloropropene	8.235	75	27064	5.384	ug/l #	49
37) Ethyl Acetate	7.565	43	36572	9.058	ug/l	97
38) Carbon Tetrachloride	8.230	117	37125	6.599	ug/l #	17
41) Methacrylonitrile	7.847	41	782	0.373	ug/l #	24
42) 1,2-Dichloroethane	8.682	62	2112	0.410	ug/l #	72
43) Isopropyl Acetate	8.694	43	465952	69.963	ug/l #	66
45) 1,2-Dichloropropane	9.747	63	2355	0.624	ug/l #	43
48) Methyl methacrylate	9.665	41	4960	1.654	ug/l #	33
49) 1,4-Dioxane	9.741	88	59	0.800	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	21480	5.333	ug/l #	79
52) Toluene	10.629	92	4344	0.430	ug/l	98
53) t-1,3-Dichloropropene	10.729	75	1293	0.241	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	78832	13.363	ug/l #	63
56) Ethyl methacrylate	10.988	69	1723	0.327	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	10788	1.659	ug/l #	42
59) 2-Hexanone	11.176	43	176285	60.016	ug/l #	20
74) N-amyl acetate	12.470	43	1710	0.355	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	115000	25.138	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	115000	90.486	ug/l #	12
95) Naphthalene	15.635	128	3660	2.461	ug/l #	85

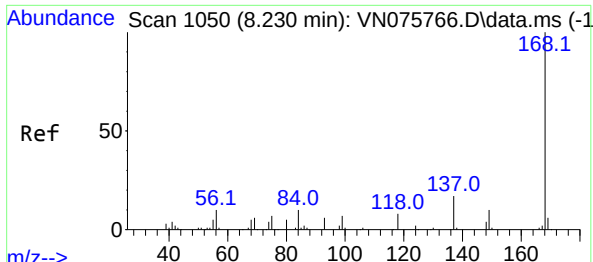
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
Data File : VN076025.D
Acq On : 29 Dec 2022 02:07
Operator : JC\MD
Sample : PB149923ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

Quant Time: Dec 29 07:49:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

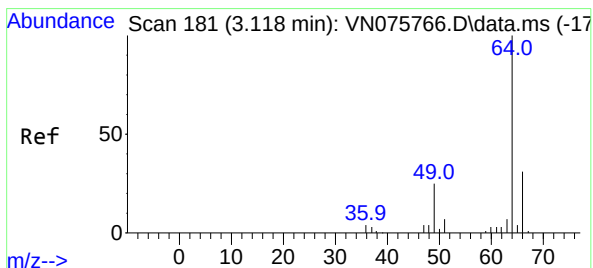
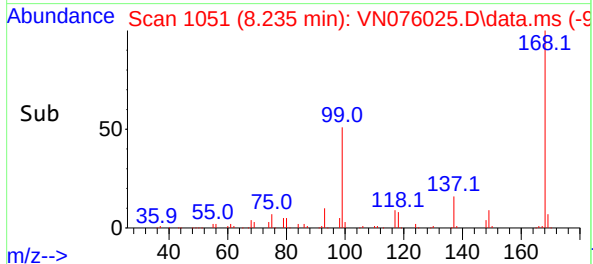
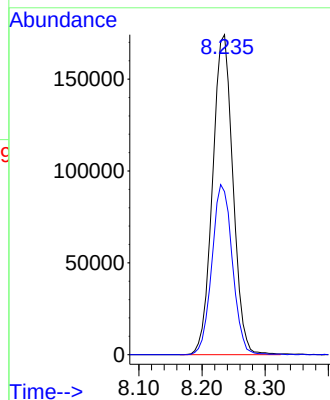
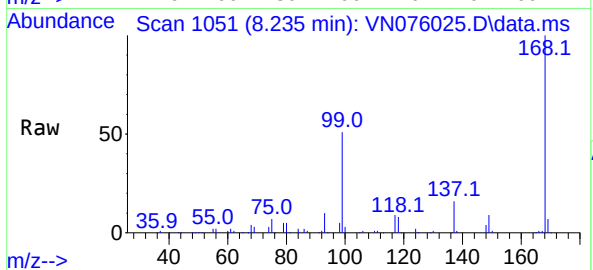




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. 0.005 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

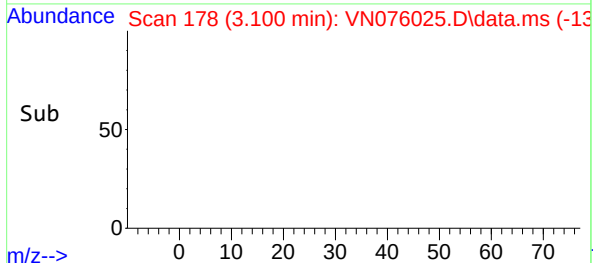
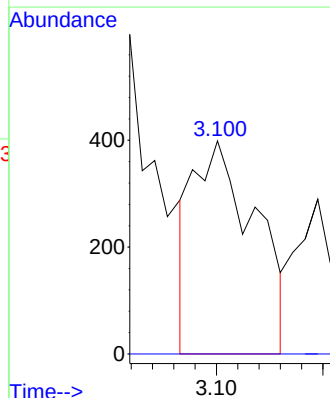
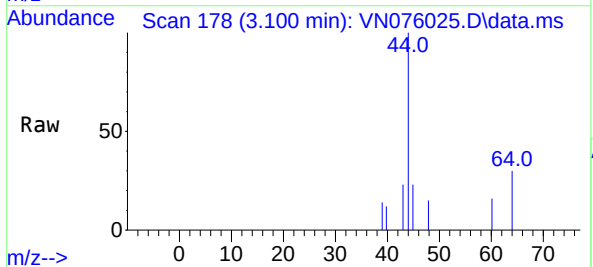
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

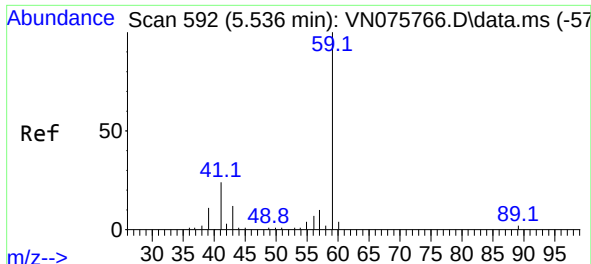
Tgt Ion:168 Resp: 390172
Ion Ratio Lower Upper
168 100
99 51.0 44.2 66.4



#6
Chloroethane
Concen: 0.266 ug/l
RT: 3.100 min Scan# 178
Delta R.T. -0.018 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

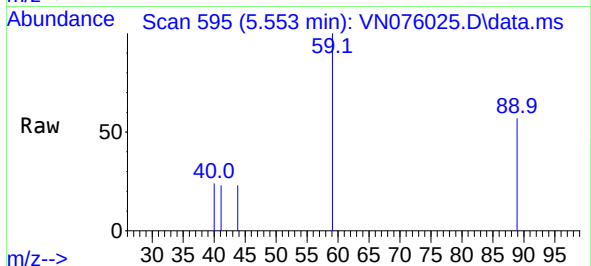
Tgt Ion: 64 Resp: 809
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



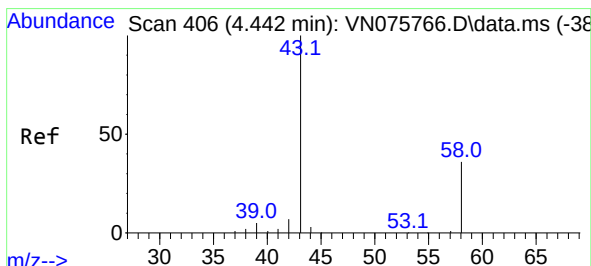
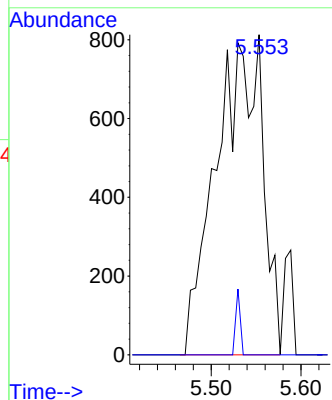
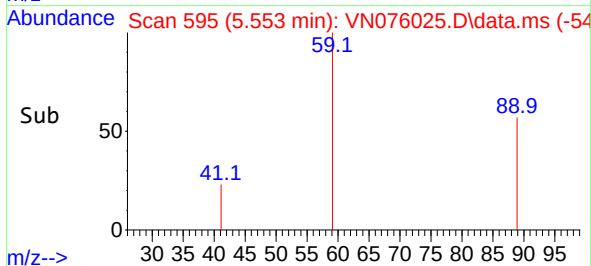


#11
Tert butyl alcohol
Concen: 4.822 ug/l
RT: 5.553 min Scan# 59
Delta R.T. 0.018 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

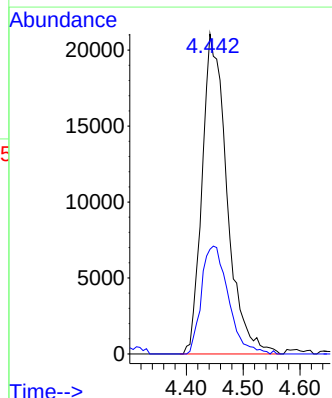
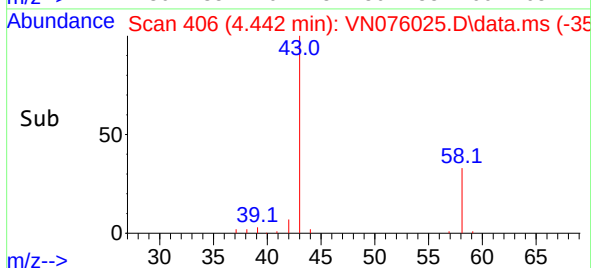
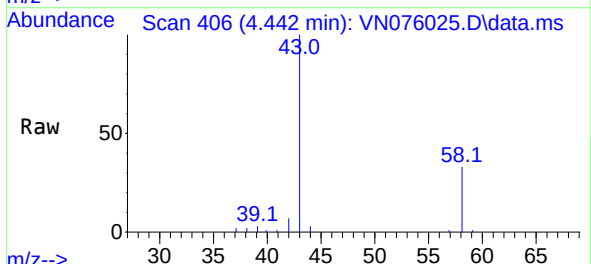


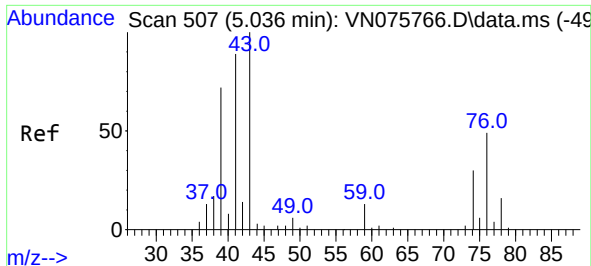
Tgt Ion: 59 Resp: 2896
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 43.821 ug/l
RT: 4.442 min Scan# 406
Delta R.T. -0.000 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 43 Resp: 64121
Ion Ratio Lower Upper
43 100
58 32.7 28.6 43.0

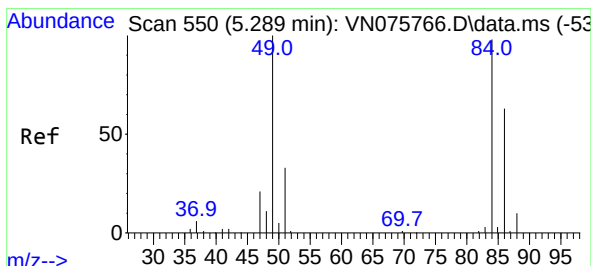
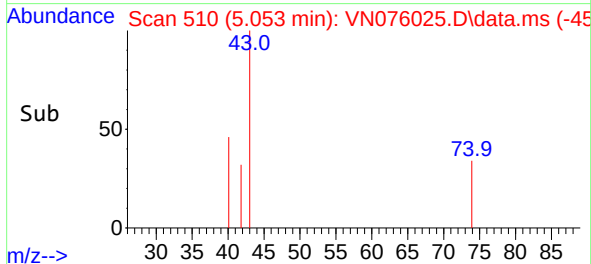
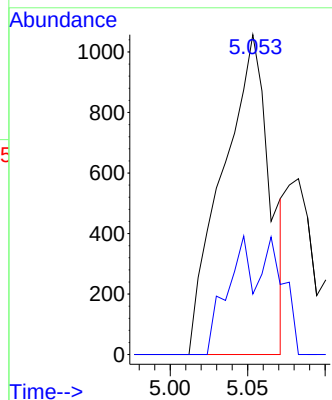
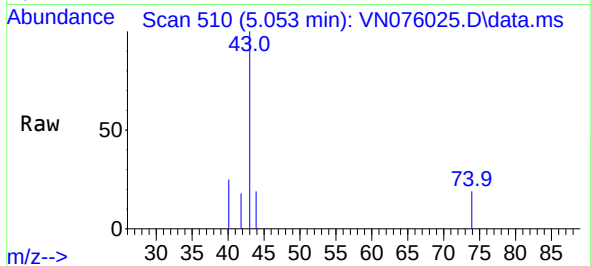




#18
Methyl Acetate
Concen: 0.517 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

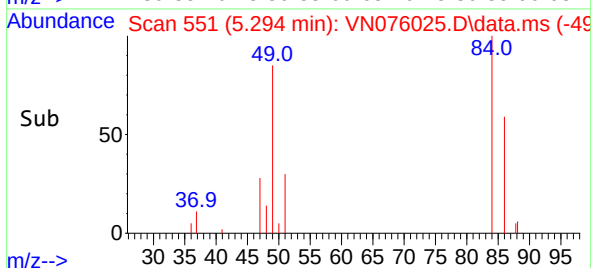
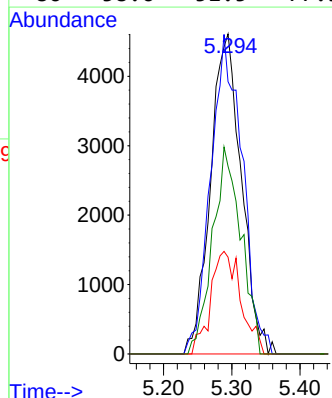
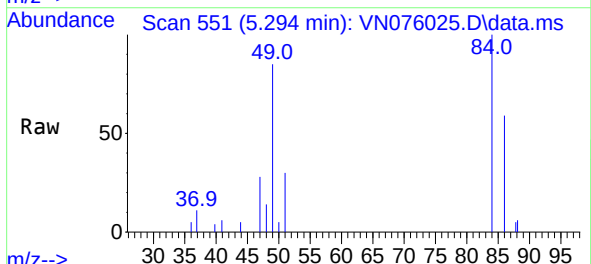
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

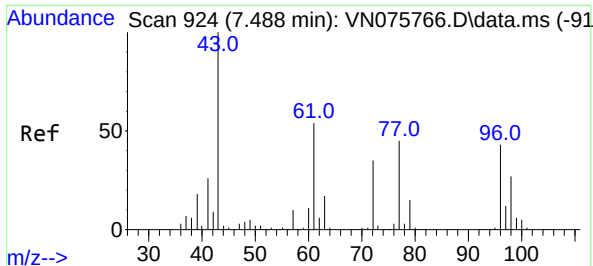
Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
74 19.5 23.6 35.4#



#20
Methylene Chloride
Concen: 3.105 ug/l
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 84 Resp: 14506
Ion Ratio Lower Upper
84 100
49 85.1 81.8 122.6
51 30.2 26.7 40.1
86 58.6 51.5 77.3





#25

2-Butanone

Concen: 9.998 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076025.D

Acq: 29 Dec 2022 02:07

Instrument :

MSVOA_N

ClientSampleId :

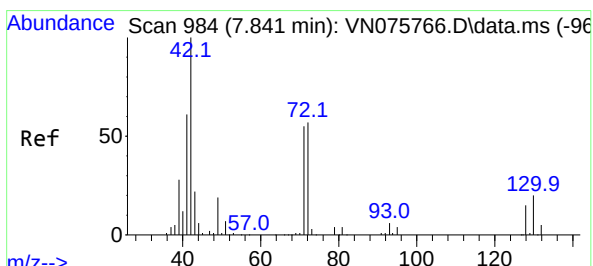
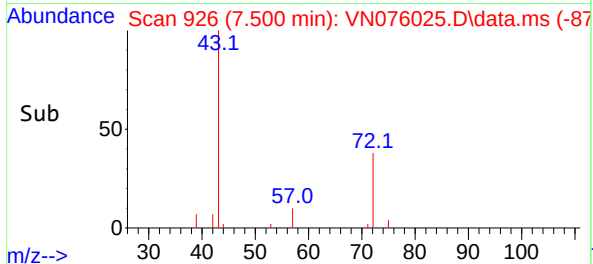
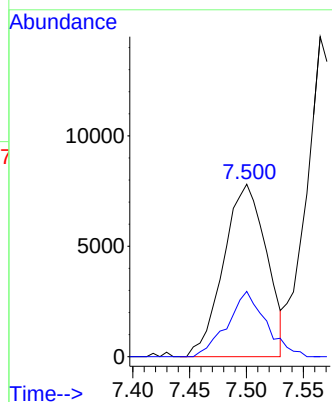
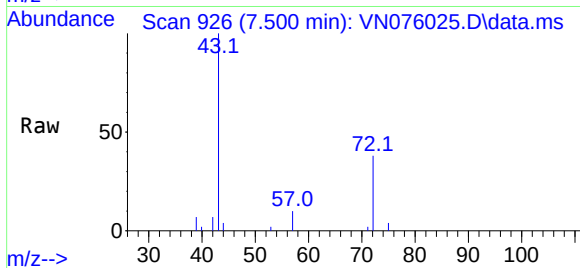
PB149923ZHE#06

Tgt Ion: 43 Resp: 20484

Ion Ratio Lower Upper

43 100

72 37.8 28.0 42.0



#29

Tetrahydrofuran

Concen: 1.830 ug/l

RT: 7.853 min Scan# 986

Delta R.T. 0.012 min

Lab File: VN076025.D

Acq: 29 Dec 2022 02:07

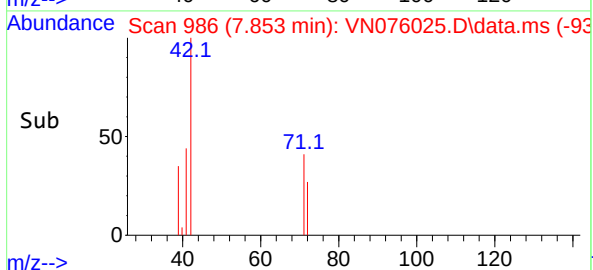
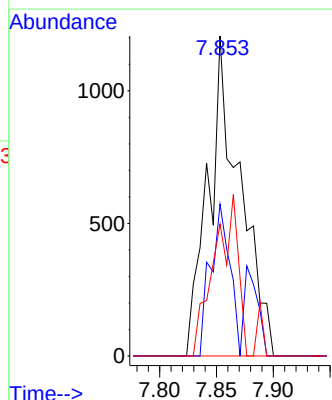
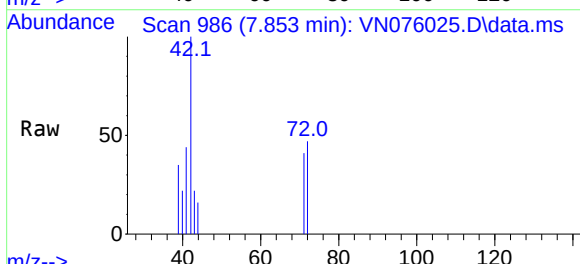
Tgt Ion: 42 Resp: 2350

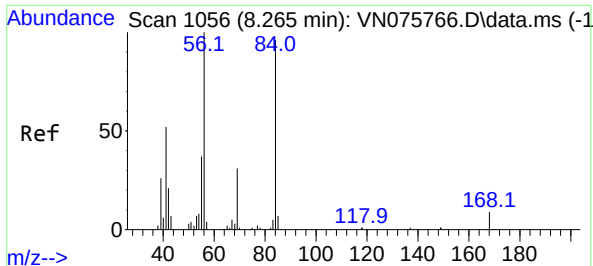
Ion Ratio Lower Upper

42 100

72 29.0 44.5 66.7#

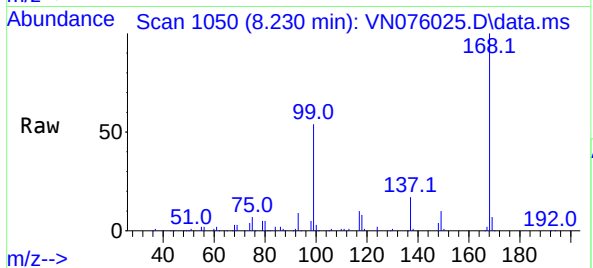
71 37.6 41.0 61.6#



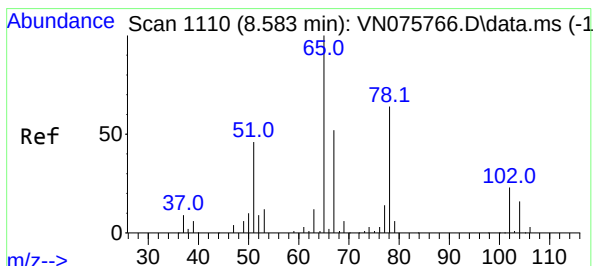
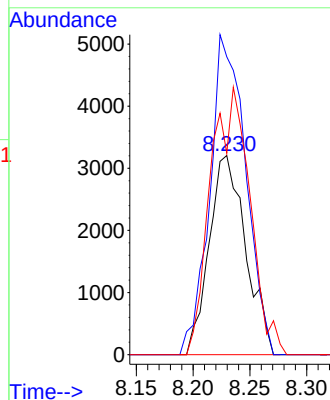
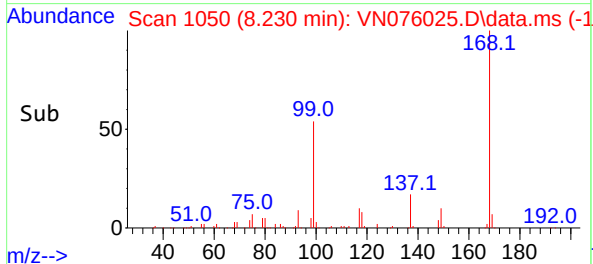


#31
Cyclohexane
Concen: 1.181 ug/l
RT: 8.230 min Scan# 1056
Delta R.T. -0.035 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

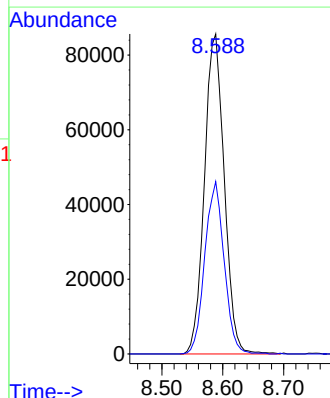
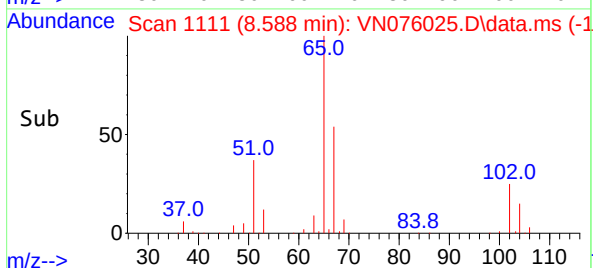
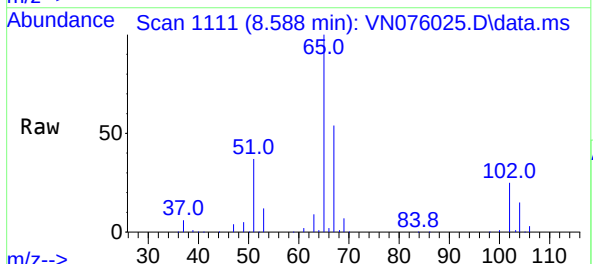


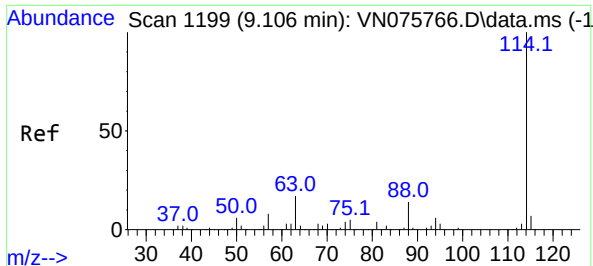
Tgt Ion: 56 Resp: 7179
Ion Ratio Lower Upper
56 100
69 149.5 24.7 37.1#
84 101.1 76.5 114.7



#33
1,2-Dichloroethane-d4
Concen: 45.736 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 65 Resp: 194135
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4

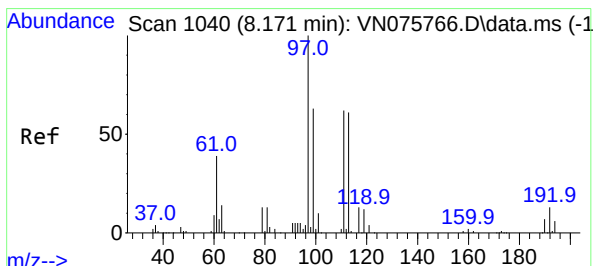
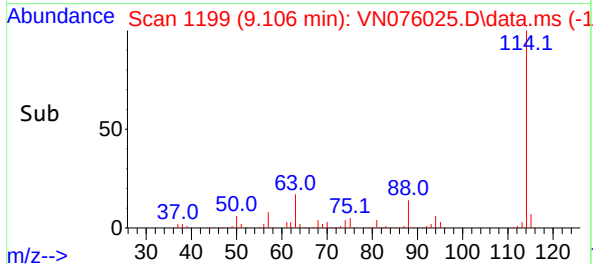
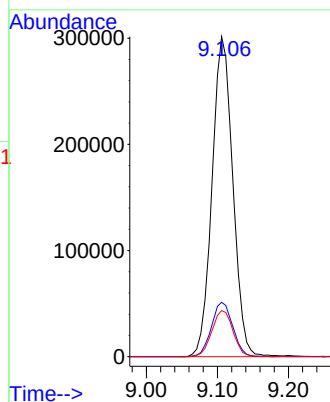
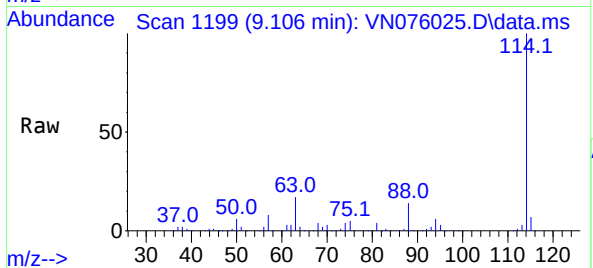




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

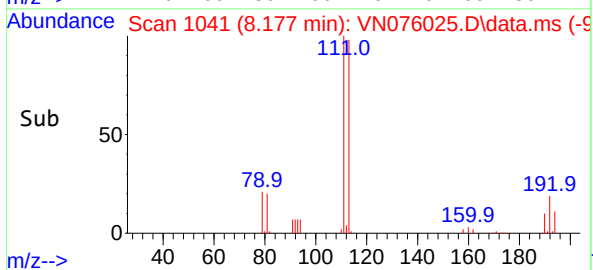
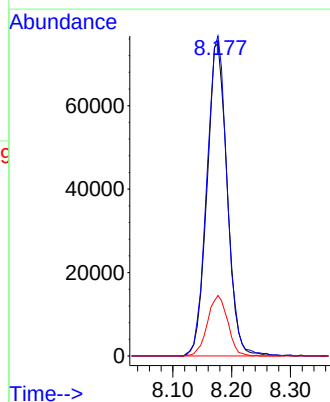
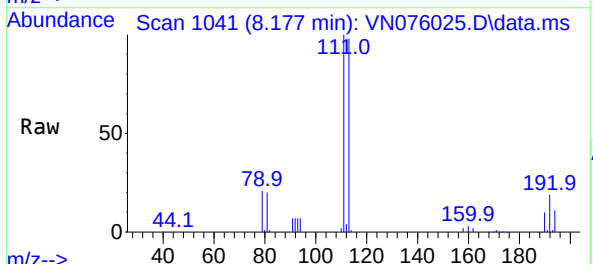
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

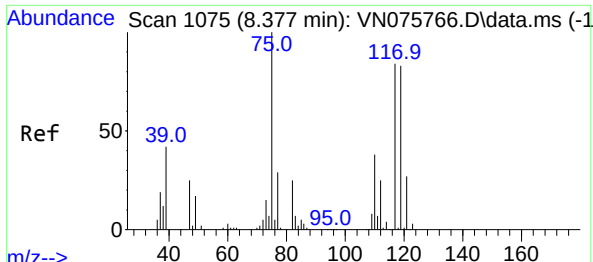
Tgt Ion:114 Resp: 610993
Ion Ratio Lower Upper
114 100
63 17.0 0.0 34.4
88 14.4 0.0 28.8



#35
Dibromofluoromethane
Concen: 47.108 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion:113 Resp: 178245
Ion Ratio Lower Upper
113 100
111 103.0 83.4 125.2
192 19.4 16.1 24.1

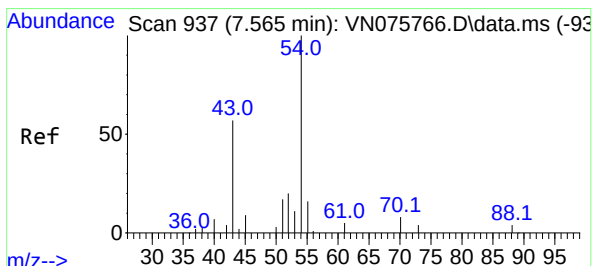
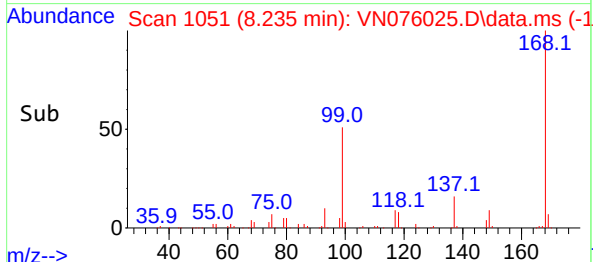
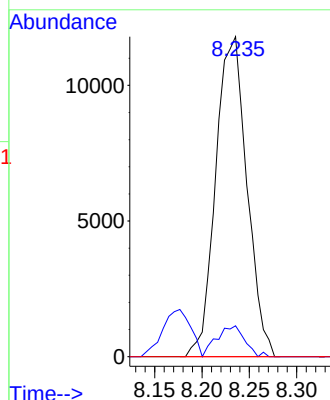
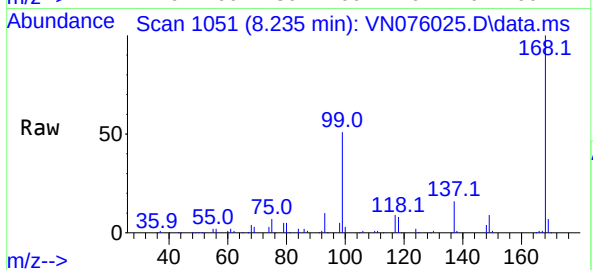




#36
1,1-Dichloropropene
Concen: 5.384 ug/l
RT: 8.235 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

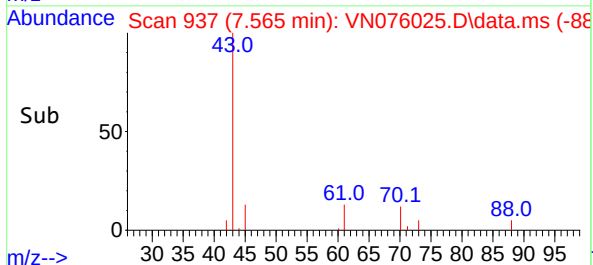
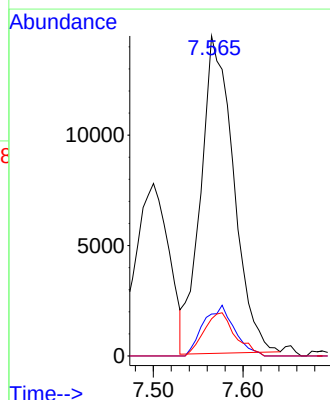
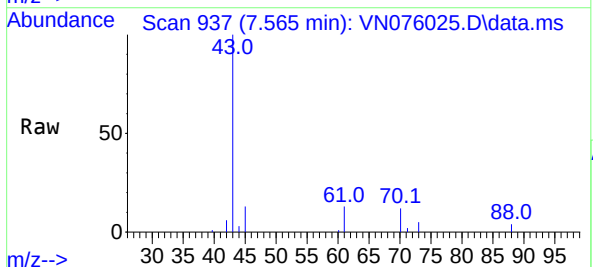
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

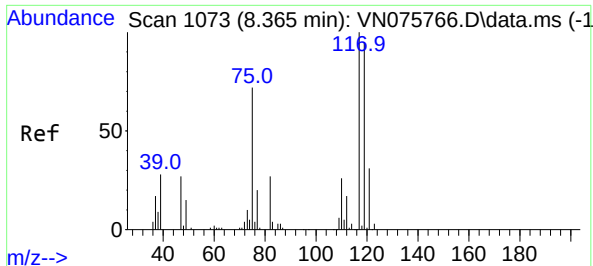
Tgt Ion: 75 Resp: 27064
Ion Ratio Lower Upper
75 100
110 8.7 18.8 56.4#
77 0.0 24.1 36.1#



#37
Ethyl Acetate
Concen: 9.058 ug/l
RT: 7.565 min Scan# 937
Delta R.T. -0.000 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

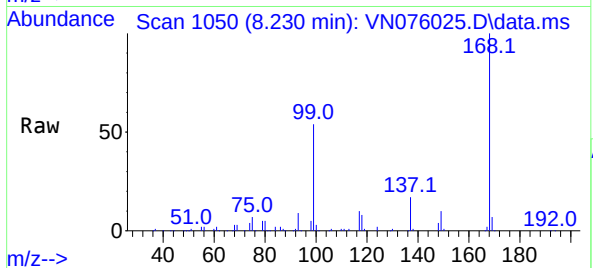
Tgt Ion: 43 Resp: 36572
Ion Ratio Lower Upper
43 100
61 15.1 13.0 19.4
70 12.9 9.4 14.0



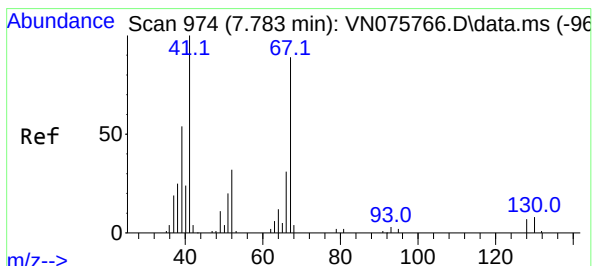
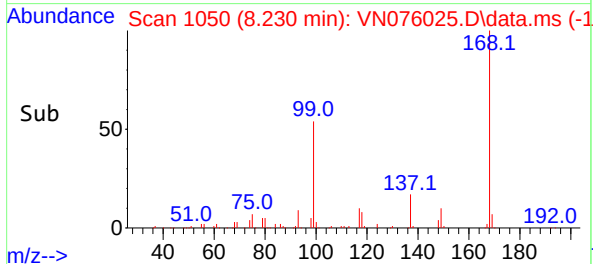
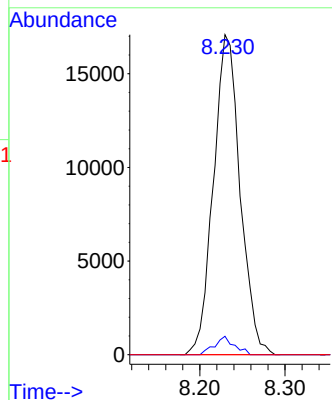


#38
Carbon Tetrachloride
Concen: 6.599 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

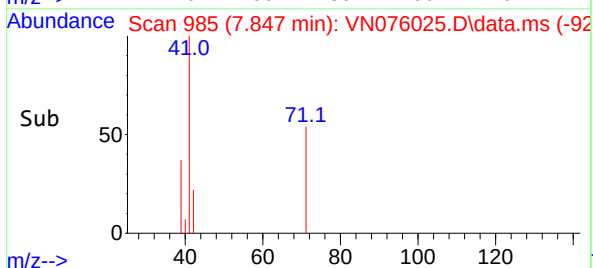
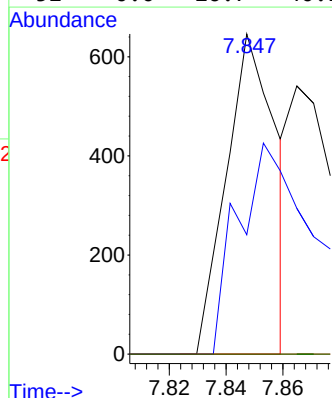
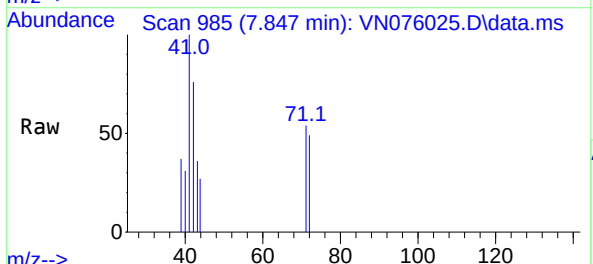


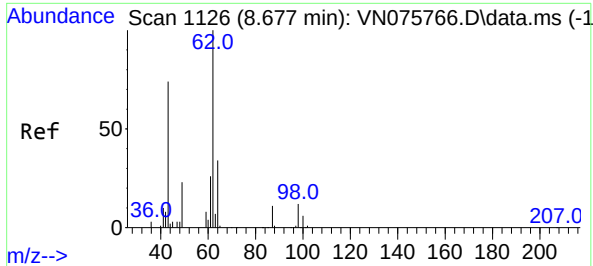
Tgt Ion:117 Resp: 37125
Ion Ratio Lower Upper
117 100
119 5.7 76.1 114.1#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.373 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.065 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 41 Resp: 782
Ion Ratio Lower Upper
41 100
39 94.0 43.1 64.7#
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#

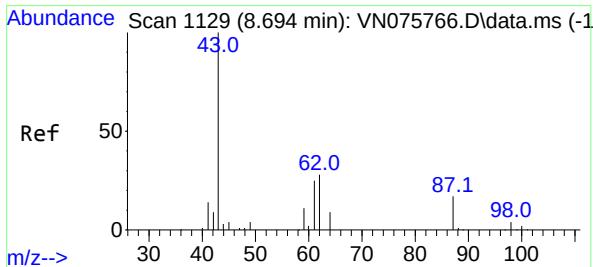
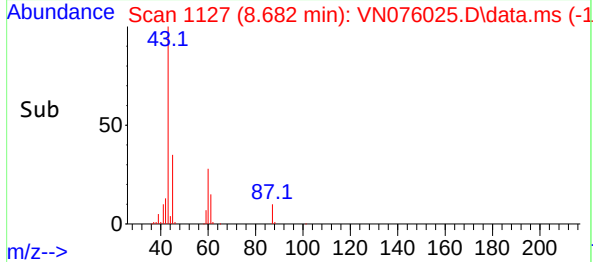
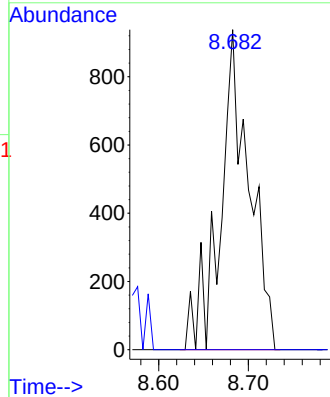
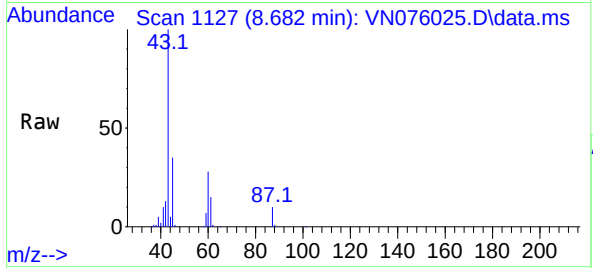




#42
1,2-Dichloroethane
Concen: 0.410 ug/l
RT: 8.682 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

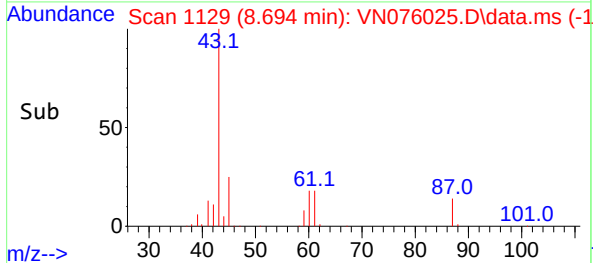
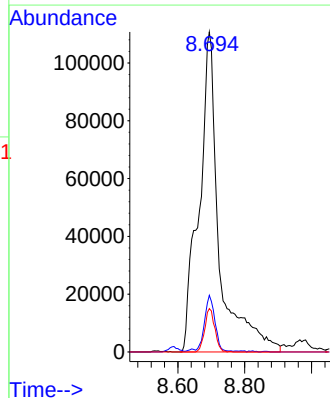
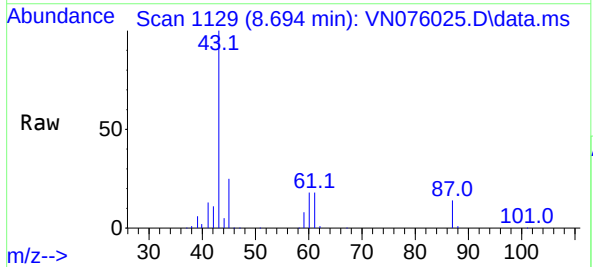
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

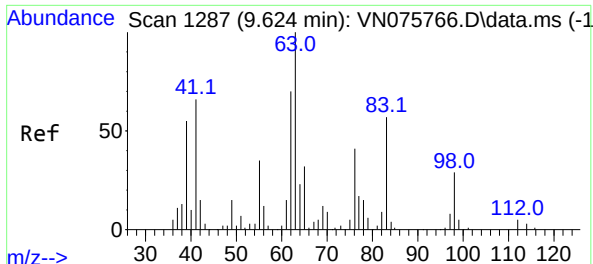
Tgt Ion: 62 Resp: 2112
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8



#43
Isopropyl Acetate
Concen: 69.963 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 43 Resp: 465952
Ion Ratio Lower Upper
43 100
61 8.8 24.2 36.4#
87 6.7 13.3 19.9#

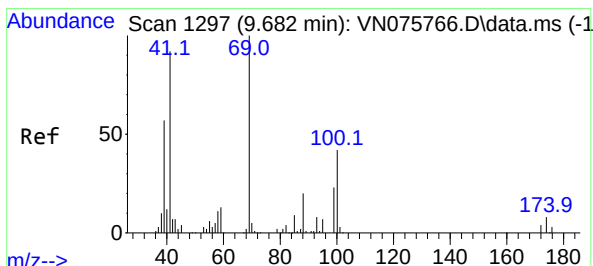
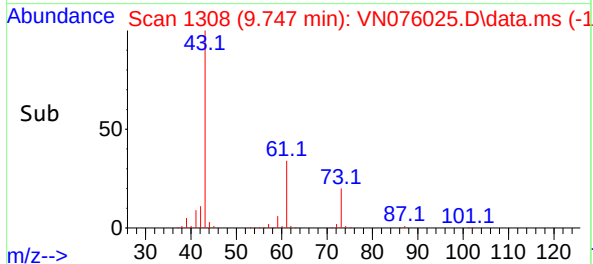
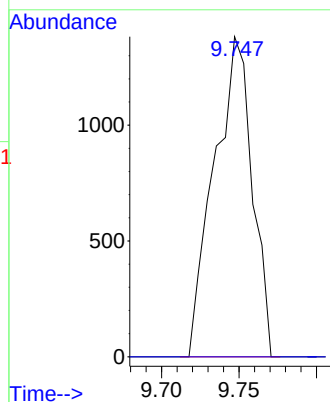
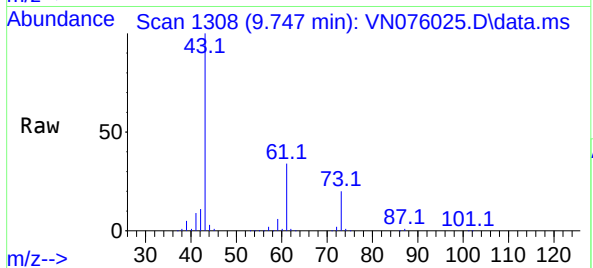




#45
1,2-Dichloropropane
Concen: 0.624 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

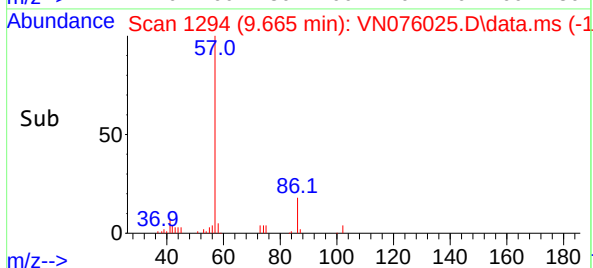
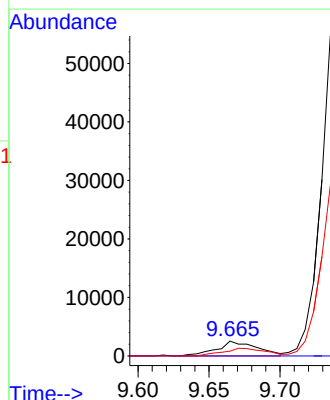
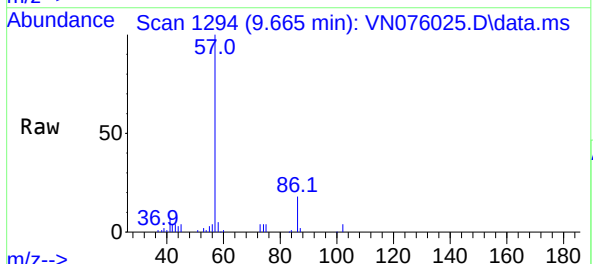
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

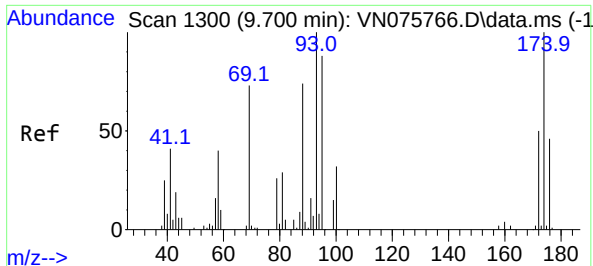
Tgt Ion: 63 Resp: 2355
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#



#48
Methyl methacrylate
Concen: 1.654 ug/l
RT: 9.665 min Scan# 1294
Delta R.T. -0.018 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 41 Resp: 4960
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 54.1 51.6 77.4

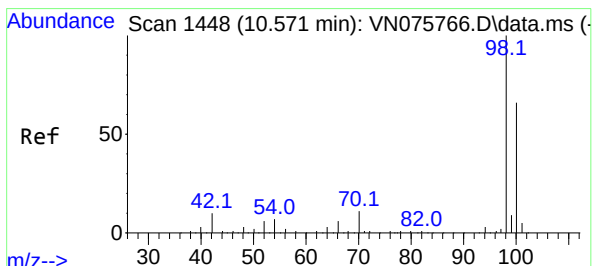
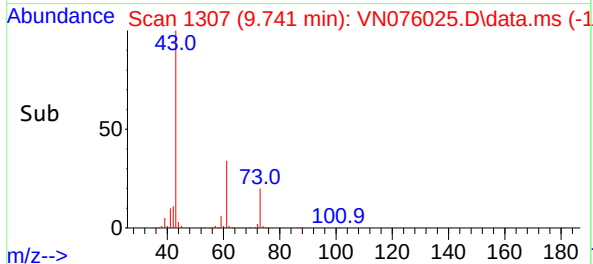
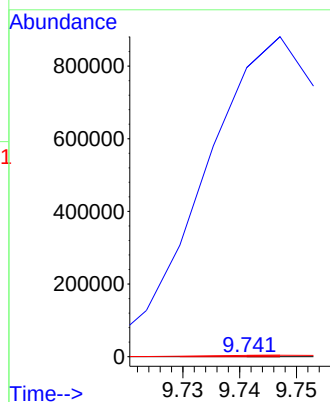
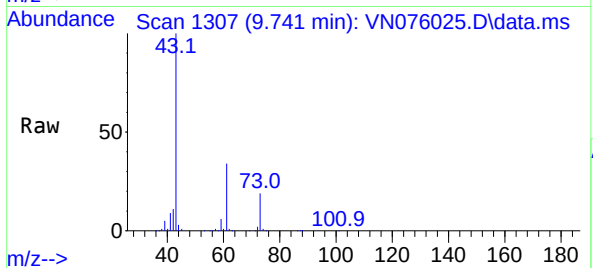




#49
1,4-Dioxane
Concen: 0.800 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

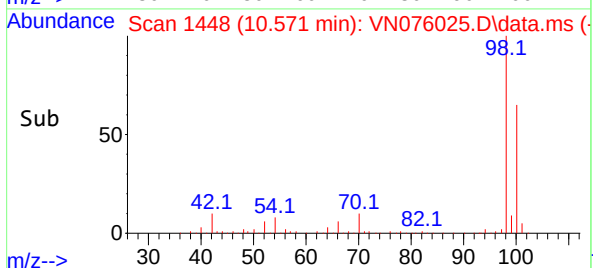
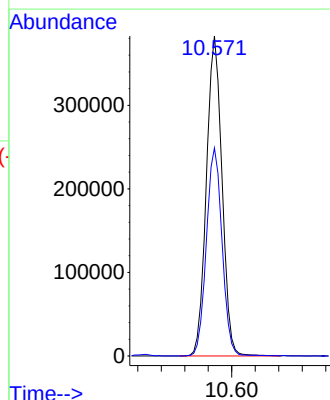
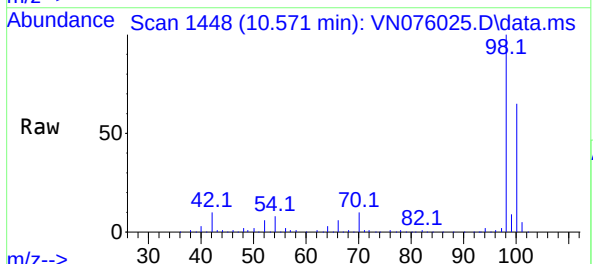
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

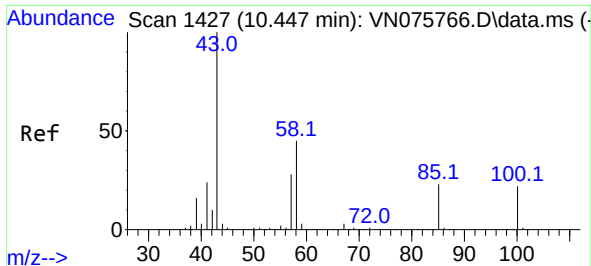
Tgt Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 2668518.6 17.1 25.7#
58 11896.6 47.8 71.8#



#50
Toluene-d8
Concen: 49.831 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 98 Resp: 704974
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

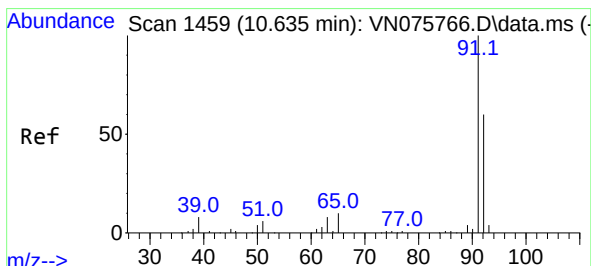
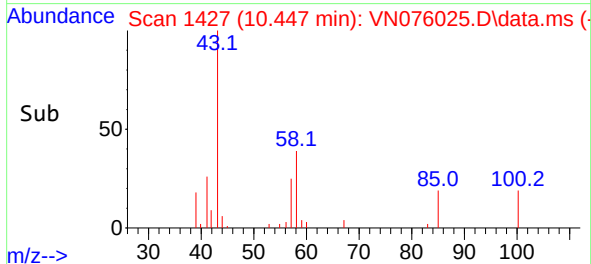
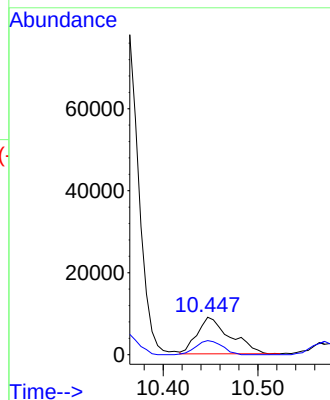
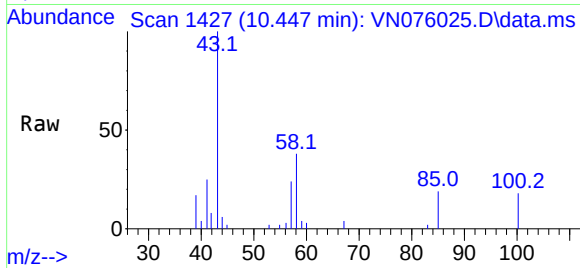




#51
4-Methyl-2-Pentanone
Concen: 5.333 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

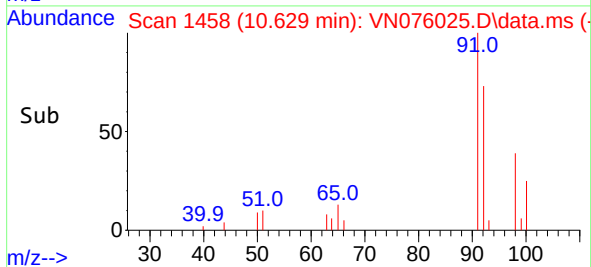
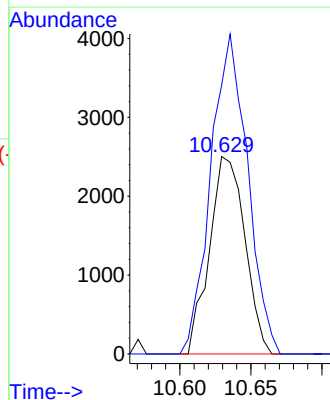
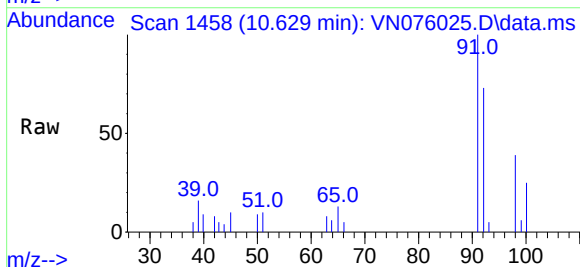
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

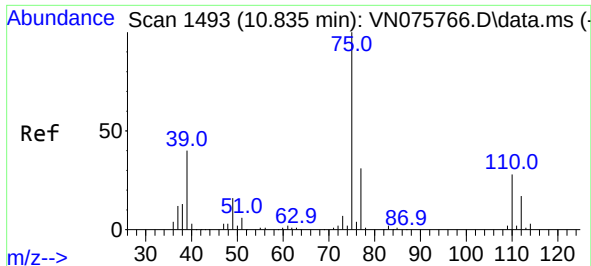
Tgt Ion: 43 Resp: 21480
Ion Ratio Lower Upper
43 100
58 31.0 35.5 53.3#



#52
Toluene
Concen: 0.430 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 92 Resp: 4344
Ion Ratio Lower Upper
92 100
91 168.5 137.3 205.9

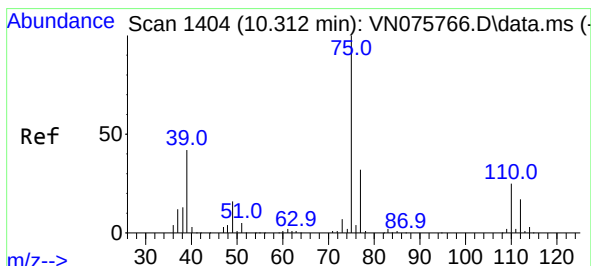
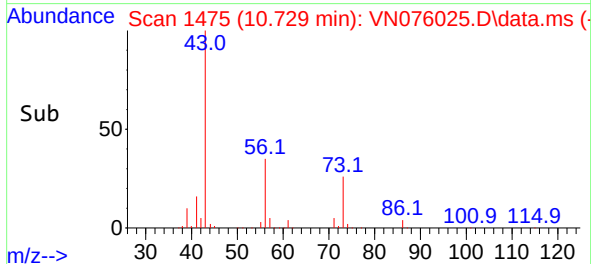
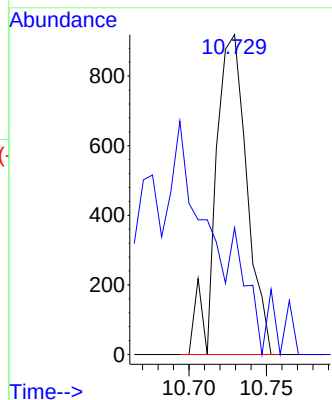
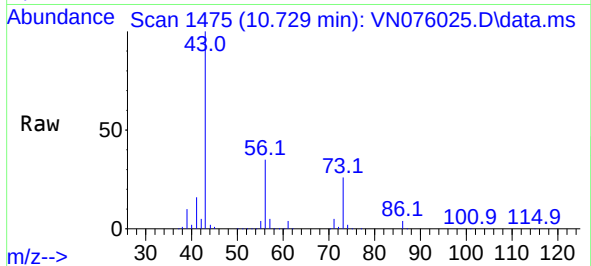




#53
 t-1,3-Dichloropropene
 Concen: 0.241 ug/l
 RT: 10.729 min Scan# 1412
 Delta R.T. -0.106 min
 Lab File: VN076025.D
 Acq: 29 Dec 2022 02:07

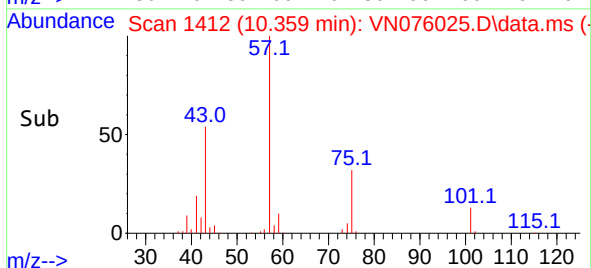
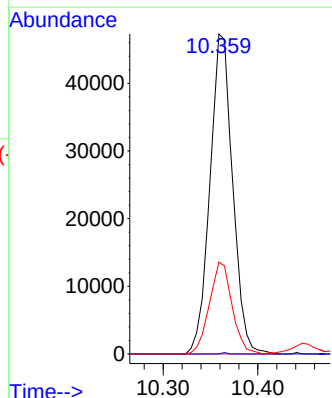
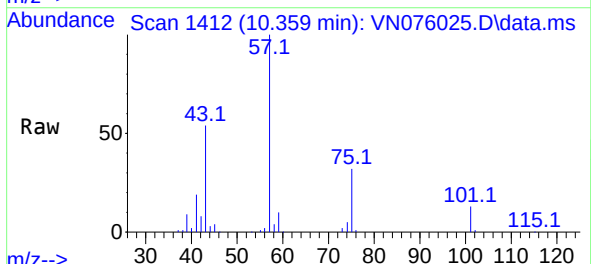
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#06

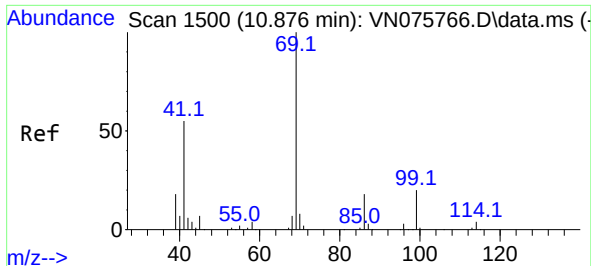
Tgt Ion: 75 Resp: 1293
 Ion Ratio Lower Upper
 75 100
 77 39.6 24.9 37.3#



#54
 cis-1,3-Dichloropropene
 Concen: 13.363 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN076025.D
 Acq: 29 Dec 2022 02:07

Tgt Ion: 75 Resp: 78832
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.8 38.8#
 39 28.7 33.4 50.2#

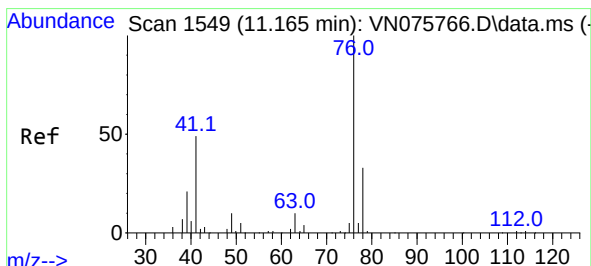
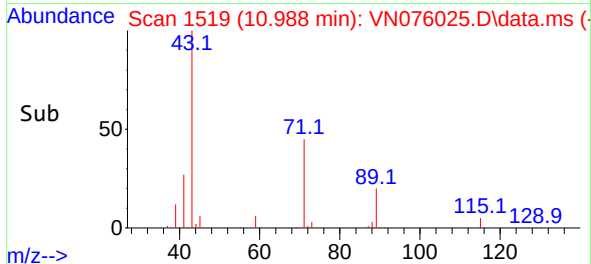
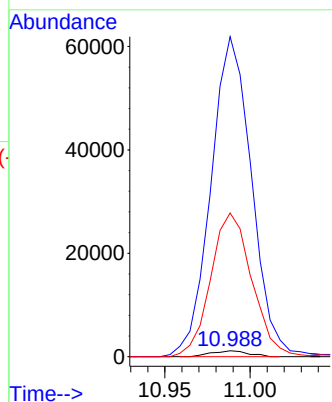
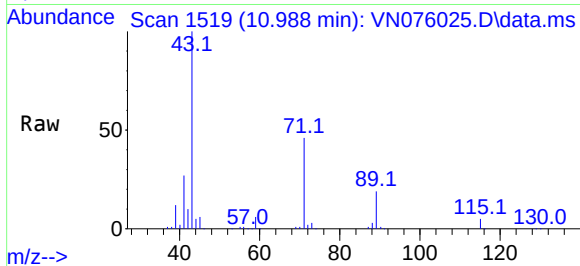




#56
Ethyl methacrylate
Concen: 0.327 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

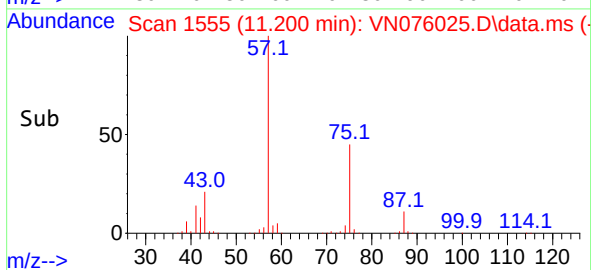
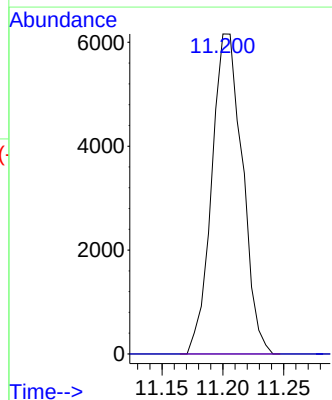
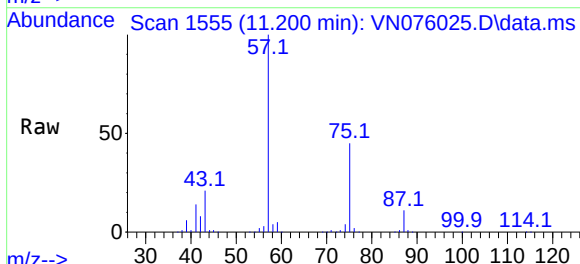
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

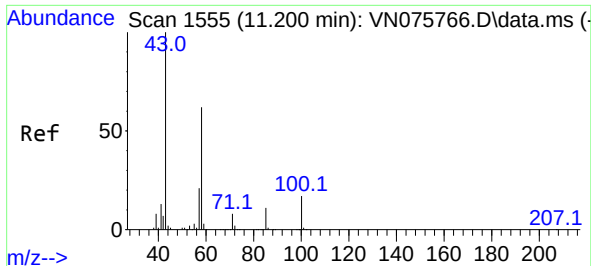
Tgt Ion: 69 Resp: 1723
Ion Ratio Lower Upper
69 100
41 5990.2 44.2 66.4#
39 2709.3 26.4 39.6#



#57
1,3-Dichloropropane
Concen: 1.659 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 76 Resp: 10788
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

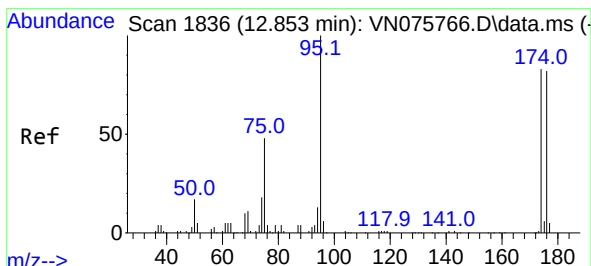
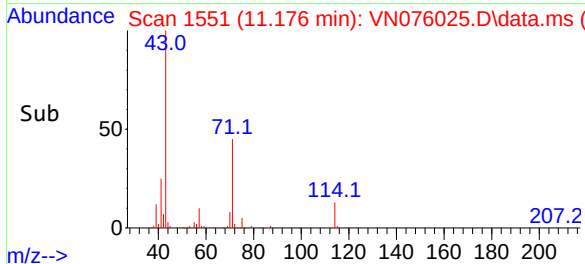
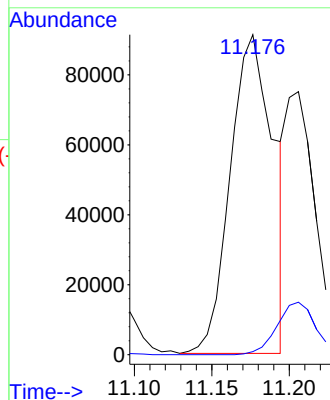
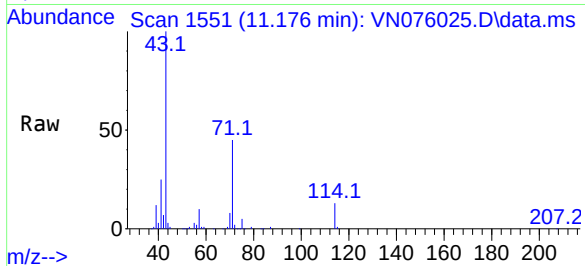




#59
2-Hexanone
Concen: 60.016 ug/l
RT: 11.176 min Scan# 1151
Delta R.T. -0.024 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

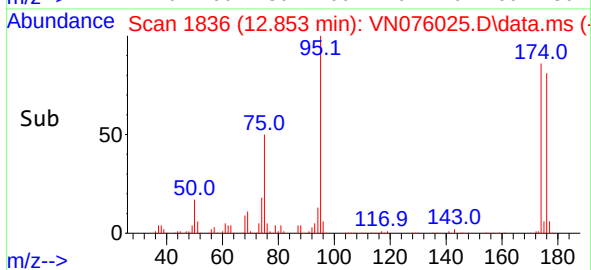
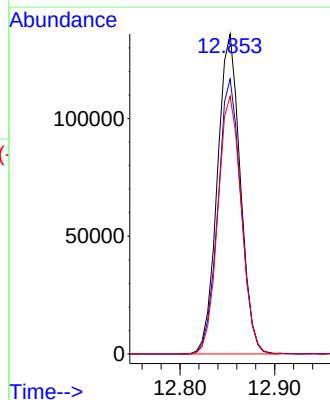
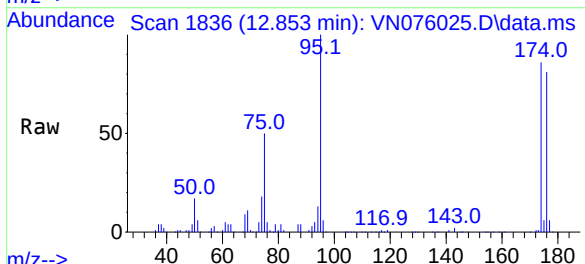
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

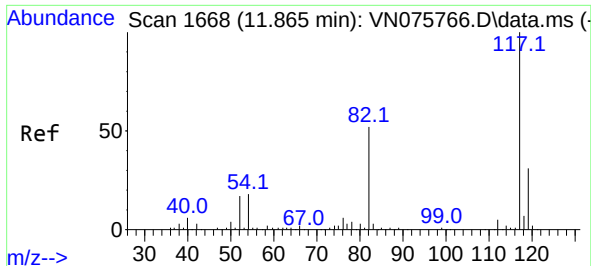
Tgt Ion: 43 Resp: 176285
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.721 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 95 Resp: 228291
Ion Ratio Lower Upper
95 100
174 86.6 0.0 171.6
176 82.4 0.0 169.2

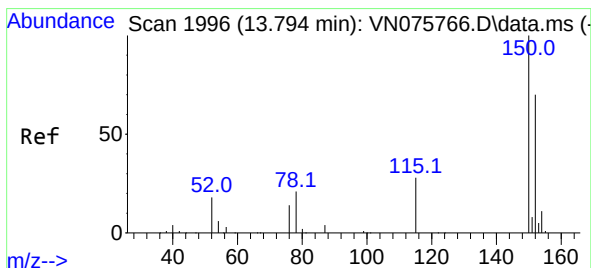
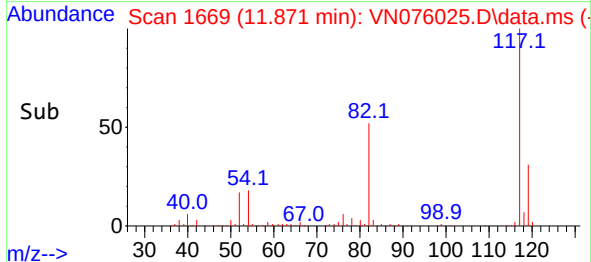
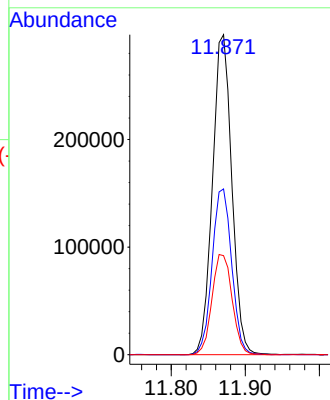
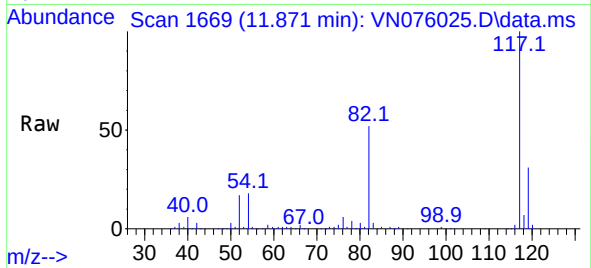




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

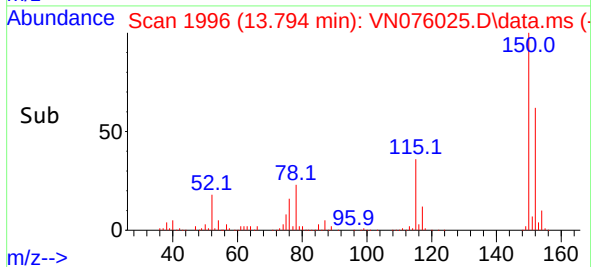
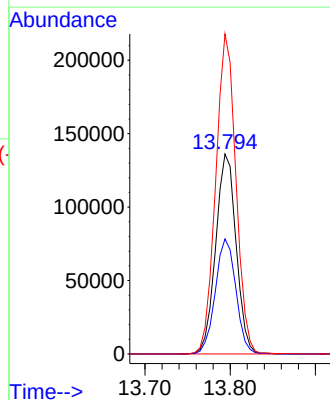
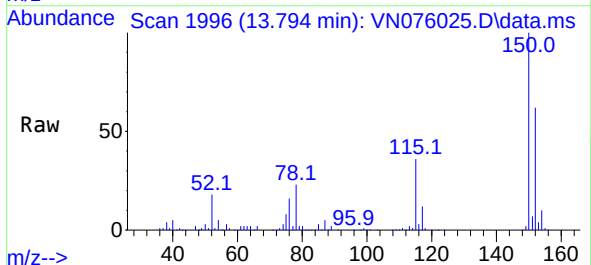
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

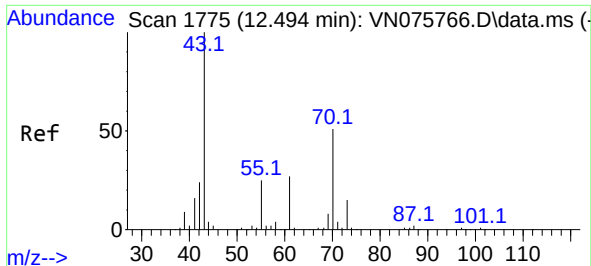
Tgt Ion:117 Resp: 538573
Ion Ratio Lower Upper
117 100
82 51.8 41.3 61.9
119 31.0 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion:152 Resp: 226946
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.4
150 158.1 0.0 347.0

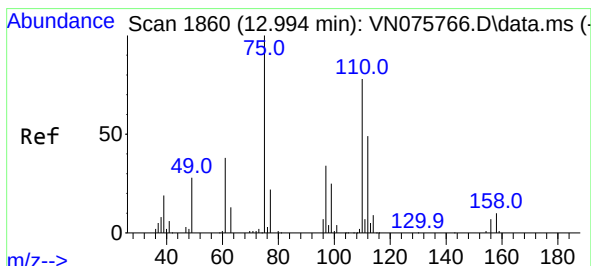
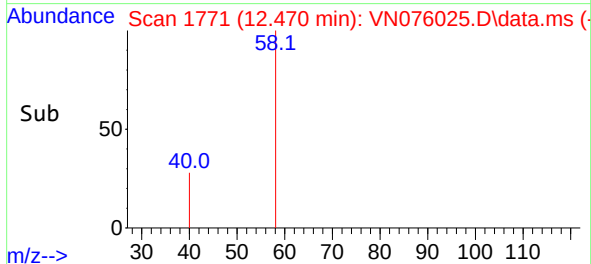
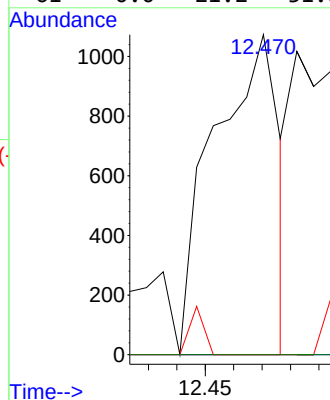
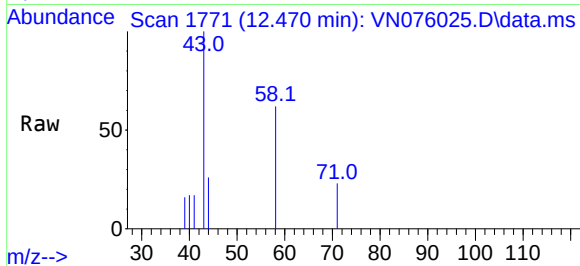




#74
N-amy1 acetate
Concen: 0.355 ug/l
RT: 12.470 min Scan# 1771
Delta R.T. -0.024 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

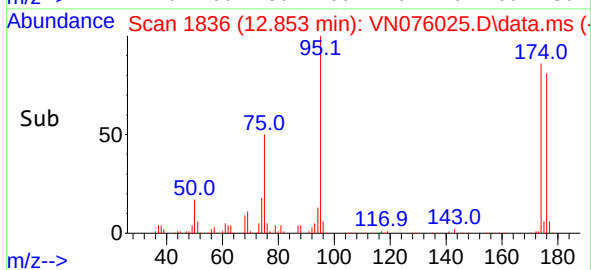
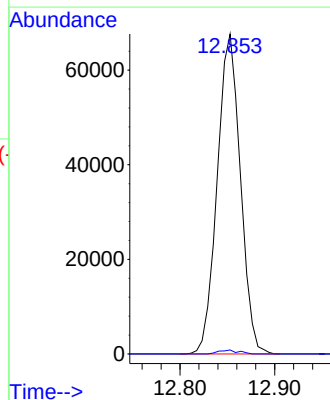
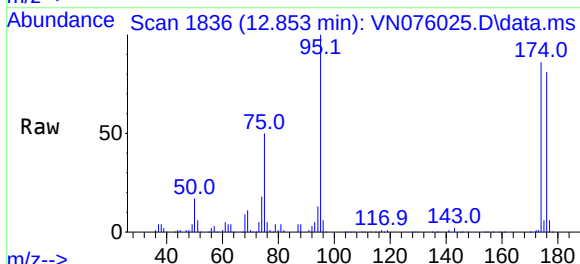
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

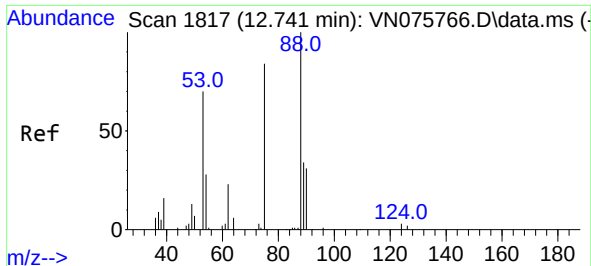
Tgt Ion: 43	Resp:	1710
Ion Ratio	Lower	Upper
43 100		
70 0.0	41.4	62.0#
55 0.0	21.3	31.9#
61 0.0	21.2	31.8#



#76
1,2,3-Trichloropropane
Concen: 25.138 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion: 75	Resp: 115000
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

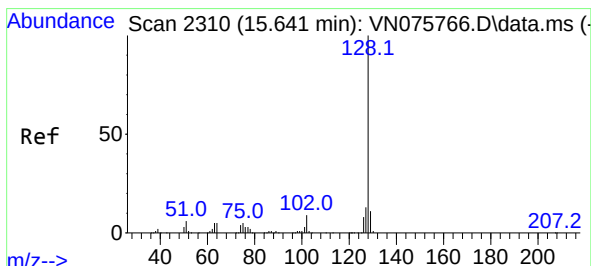
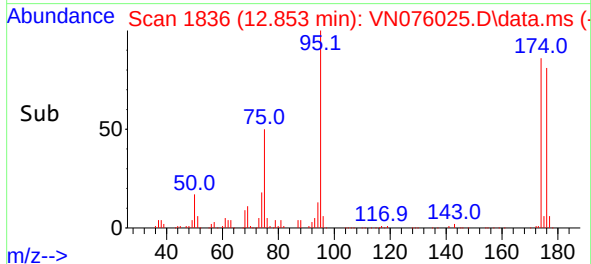
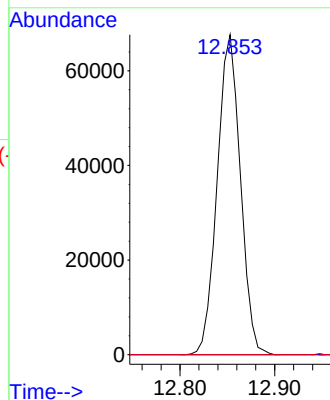
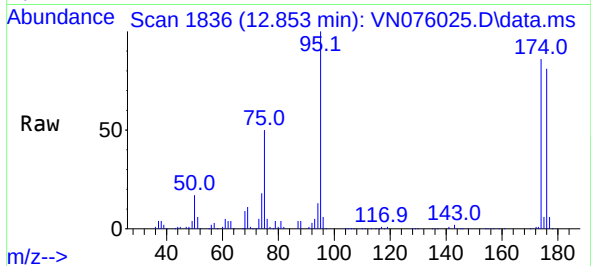




#81
trans-1,4-Dichloro-2-butene
Concen: 90.486 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#06

Tgt Ion: 75 Resp: 115000
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.461 ug/l
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN076025.D
Acq: 29 Dec 2022 02:07

Tgt Ion:128 Resp: 3660
Ion Ratio Lower Upper
128 100
127 8.4 10.4 15.6#
129 3.9 8.7 13.1#

