

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121222\
 Data File : VN075738.D
 Acq On : 13 Dec 2022 04:05
 Operator : JC\MD
 Sample : PB149517ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149517ZHE#01

Quant Time: Dec 13 05:35:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 12 07:54:35 2022
 Response via : Initial Calibration

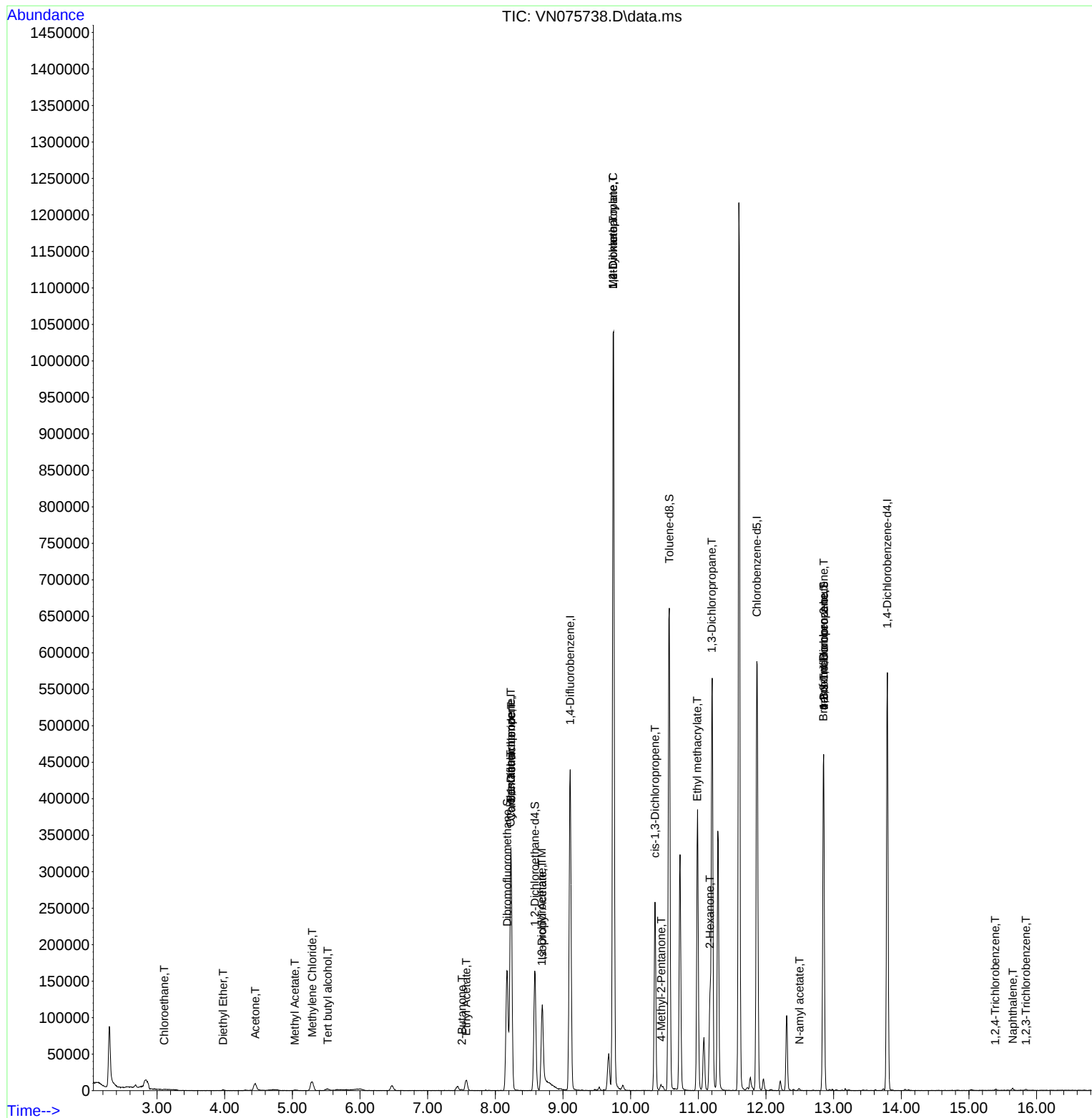
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

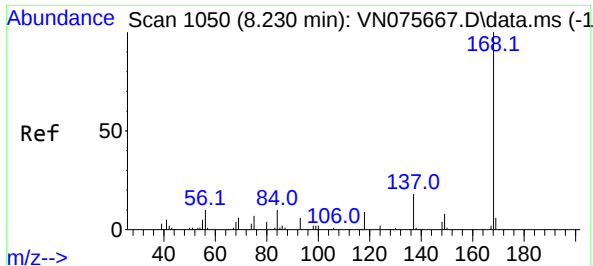
Internal Standards						
1) Pentafluorobenzene	8.230	168	260996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	410288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	364705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	160088	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	132048	47.684	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.360%		
35) Dibromofluoromethane	8.177	113	121002	48.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.680%		
50) Toluene-d8	10.571	98	475722	50.605	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.200%		
62) 4-Bromofluorobenzene	12.853	95	156040	48.547	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.100%		
Target Compounds						Qvalue
6) Chloroethane	3.106	64	481	0.229	ug/l #	43
8) Diethyl Ether	3.977	74	934	0.627	ug/l #	51
11) Tert butyl alcohol	5.524	59	2446	5.971	ug/l #	72
16) Acetone	4.453	43	18398	19.618	ug/l	90
18) Methyl Acetate	5.036	43	1676	0.556	ug/l #	52
20) Methylene Chloride	5.294	84	11413	4.082	ug/l	94
25) 2-Butanone	7.506	43	1574	1.148	ug/l	90
31) Cyclohexane	8.224	56	4480	1.093	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	18111	5.449	ug/l #	48
37) Ethyl Acetate	7.571	43	22458	8.415	ug/l	98
38) Carbon Tetrachloride	8.235	117	25919	6.757	ug/l #	15
42) 1,2-Dichloroethane	8.688	62	831	0.244	ug/l #	71
43) Isopropyl Acetate	8.694	43	157277	35.301	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1470	0.606	ug/l #	43
48) Methyl methacrylate	9.741	41	92728	45.190	ug/l #	33
49) 1,4-Dioxane	9.741	88	112	2.245	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	4164	1.516	ug/l #	85
54) cis-1,3-Dichloropropene	10.359	75	50322	12.823	ug/l #	64
56) Ethyl methacrylate	10.982	69	1004	0.279	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6218	1.451	ug/l #	41
59) 2-Hexanone	11.171	43	100327	50.266	ug/l #	20
71) Bromoform	12.847	173	984	0.475	ug/l #	1
74) N-amyl acetate	12.494	43	1545	0.463	ug/l #	42
76) 1,2,3-Trichloropropane	12.853	75	78302	24.356	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	78302	77.776	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.388	180	1047	0.405	ug/l	79
95) Naphthalene	15.647	128	3972	0.520	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.841	180	769	0.303	ug/l #	91

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

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

Quant Time: Dec 13 05:35:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 12 07:54:35 2022
Response via : Initial Calibration

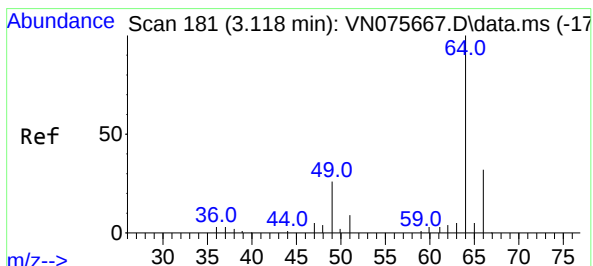
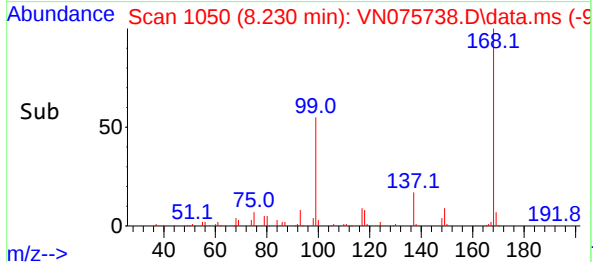
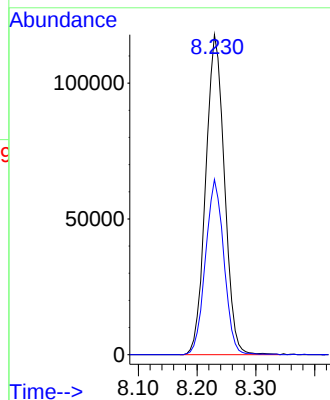
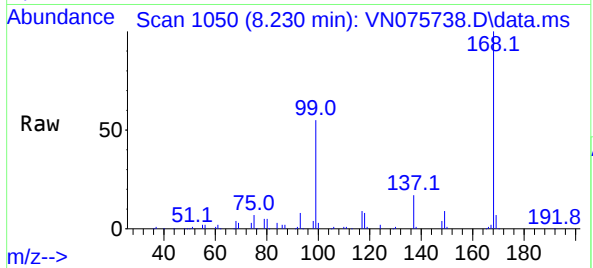




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

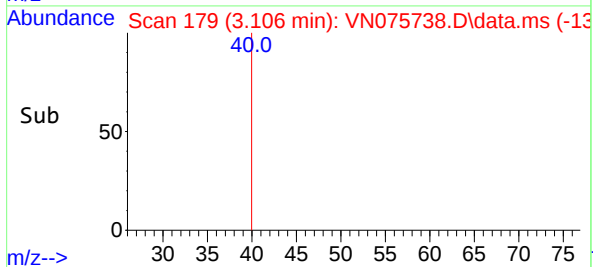
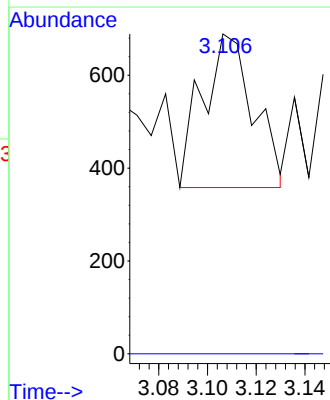
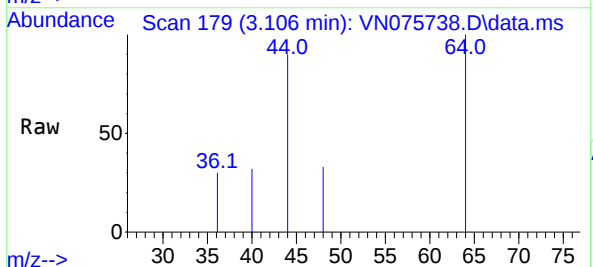
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

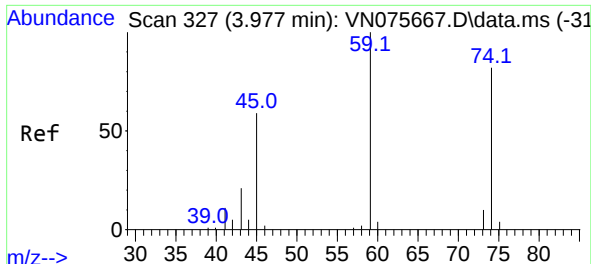
Tgt Ion:168 Resp: 260996
Ion Ratio Lower Upper
168 100
99 54.8 41.2 61.8



#6
Chloroethane
Concen: 0.229 ug/l
RT: 3.106 min Scan# 179
Delta R.T. -0.012 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 64 Resp: 481
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#

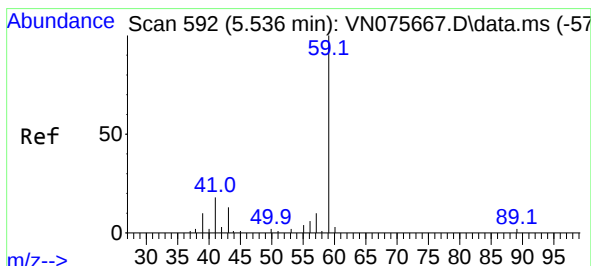
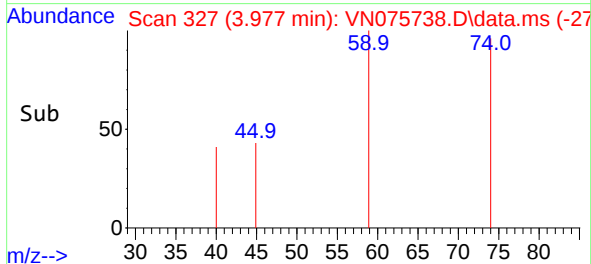
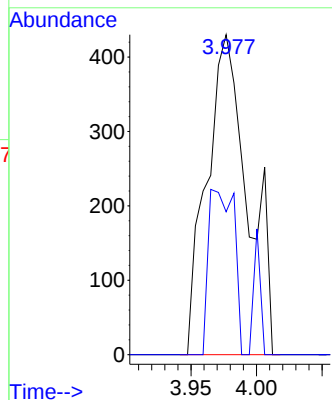
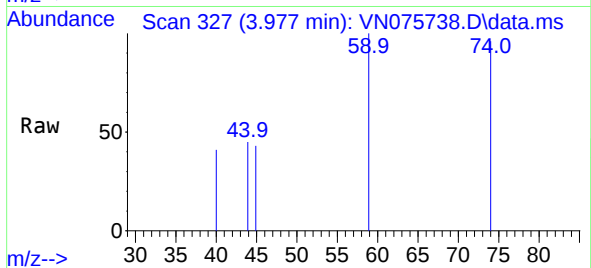




#8
Diethyl Ether
Concen: 0.627 ug/l
RT: 3.977 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

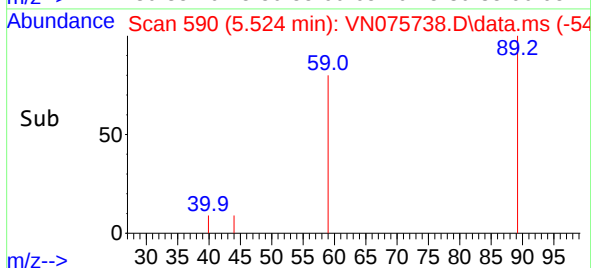
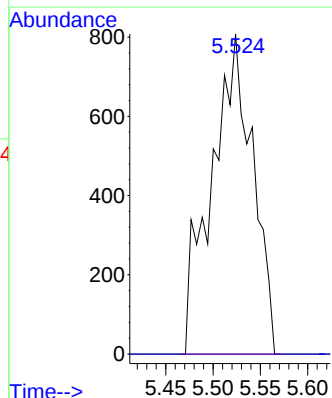
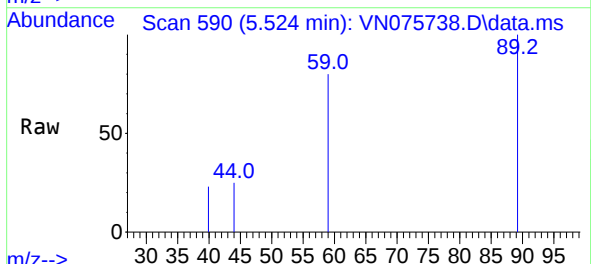
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

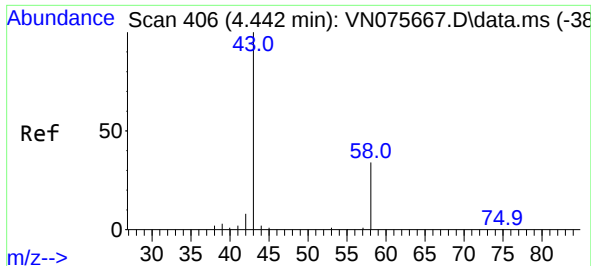
Tgt Ion: 74 Resp: 934
Ion Ratio Lower Upper
74 100
45 32.1 36.8 110.4#



#11
Tert butyl alcohol
Concen: 5.971 ug/l
RT: 5.524 min Scan# 590
Delta R.T. -0.012 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 59 Resp: 2446
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

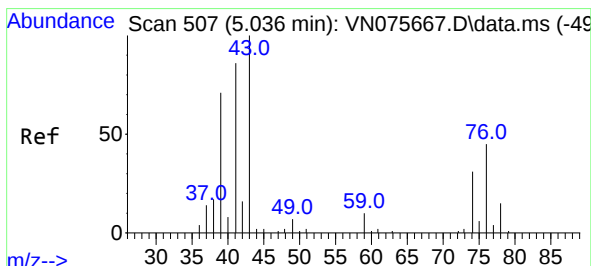
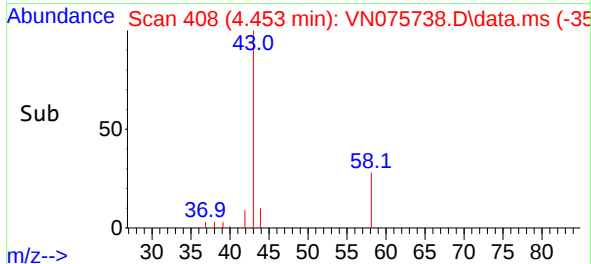
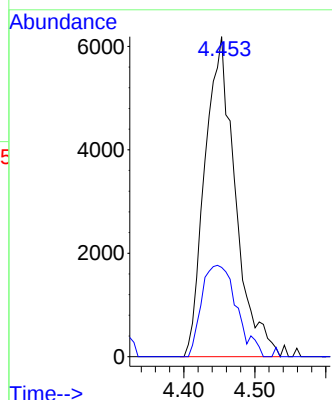
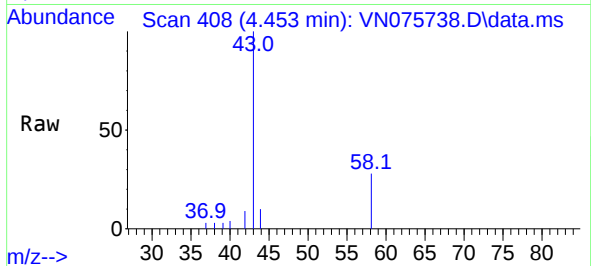




#16
Acetone
Concen: 19.618 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

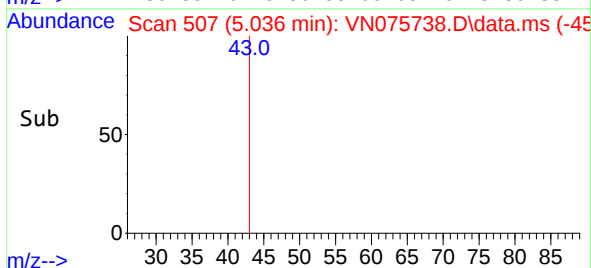
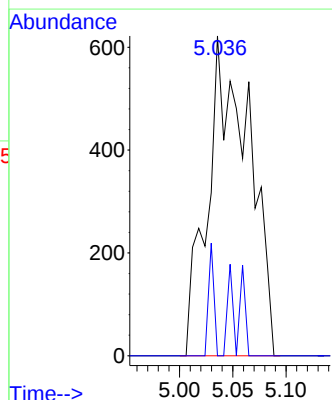
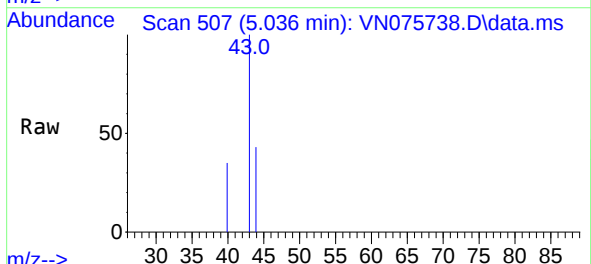
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

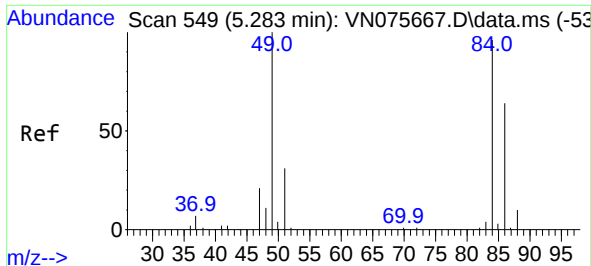
Tgt Ion: 43 Resp: 18398
Ion Ratio Lower Upper
43 100
58 27.9 27.0 40.4



#18
Methyl Acetate
Concen: 0.556 ug/l
RT: 5.036 min Scan# 507
Delta R.T. -0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
74 4.6 24.5 36.7#



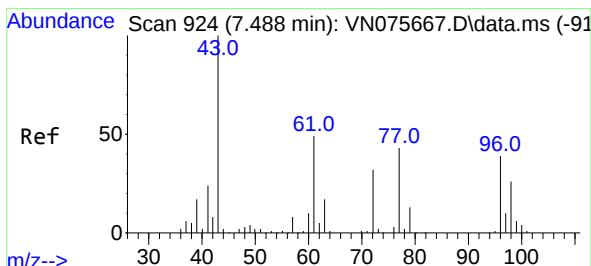
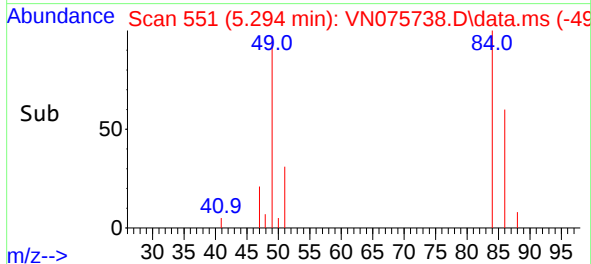
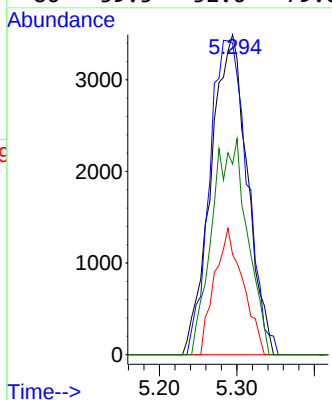
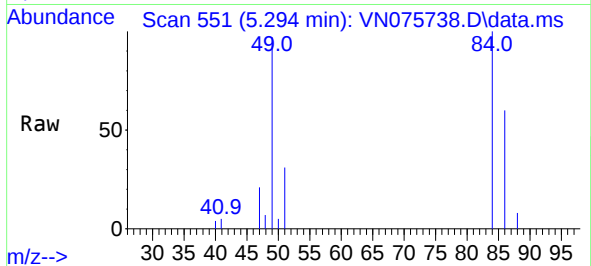


#20
Methylene Chloride
Concen: 4.082 ug/l
RT: 5.294 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

Tgt Ion: 84 Resp: 11413

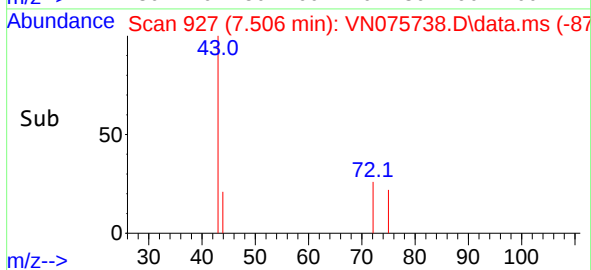
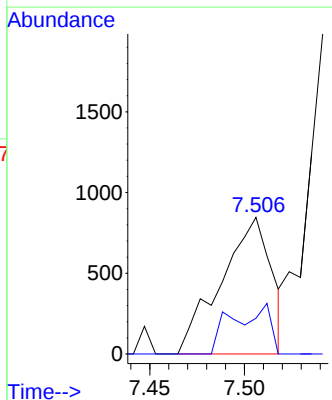
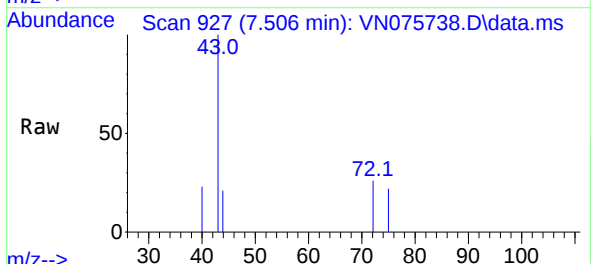
Ion	Ratio	Lower	Upper
84	100		
49	97.4	83.0	124.4
51	31.2	26.0	39.0
86	59.5	52.6	79.0

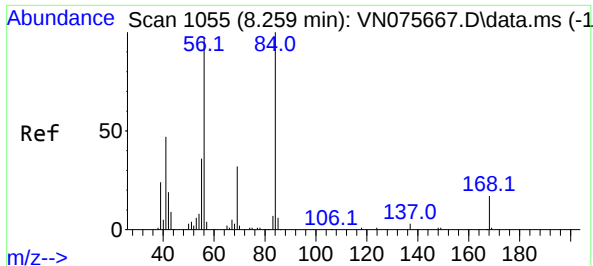


#25
2-Butanone
Concen: 1.148 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.018 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 43 Resp: 1574

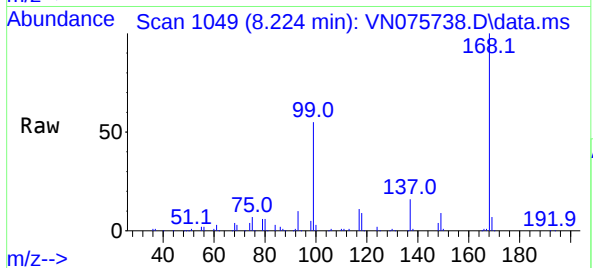
Ion	Ratio	Lower	Upper
43	100		
72	26.1	25.3	37.9



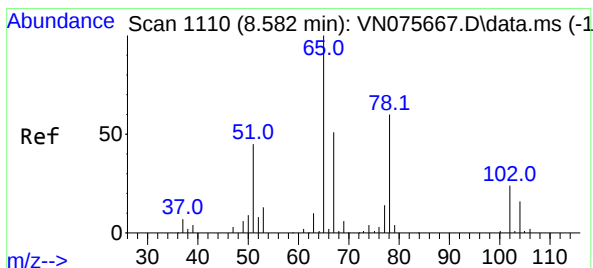
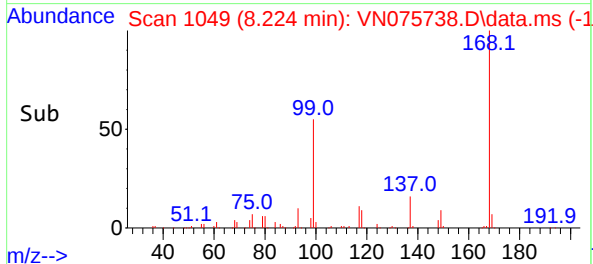
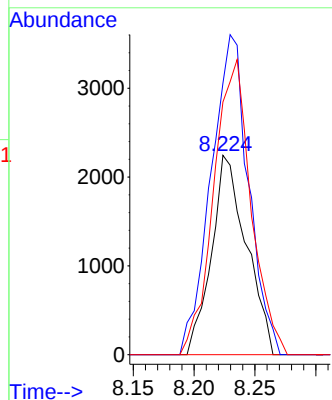


#31
Cyclohexane
Concen: 1.093 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

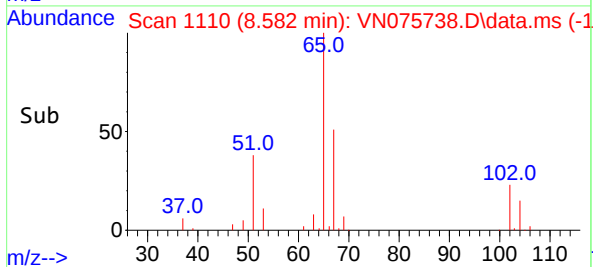
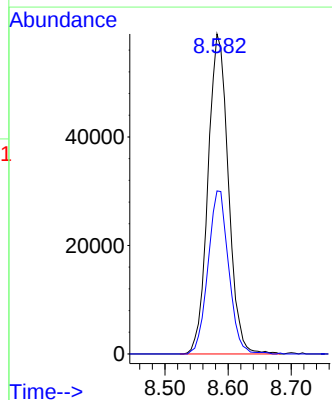
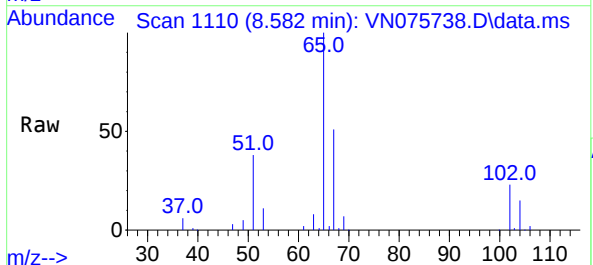


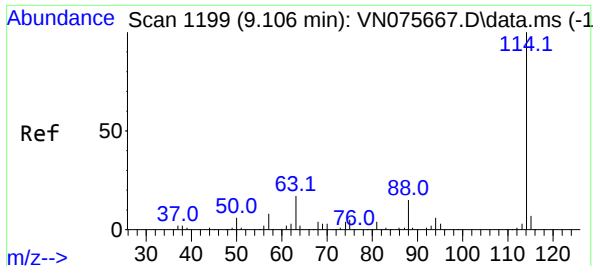
Tgt Ion: 56 Resp: 4480
Ion Ratio Lower Upper
56 100
69 136.1 26.2 39.2#
84 126.8 82.8 124.2#



#33
1,2-Dichloroethane-d4
Concen: 47.684 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 65 Resp: 132048
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075738.D

Acq: 13 Dec 2022 04:05

Instrument :

MSVOA_N

ClientSampleId :

PB149517ZHE#01

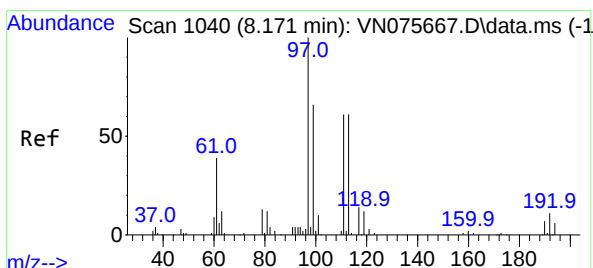
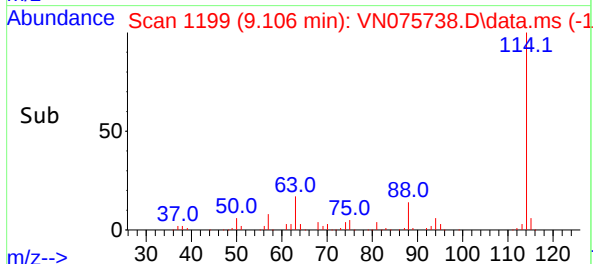
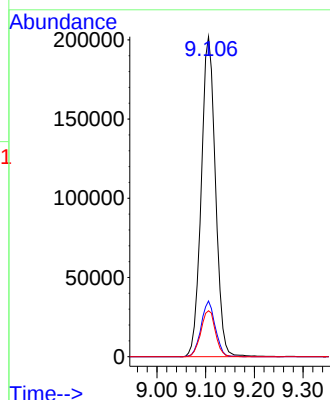
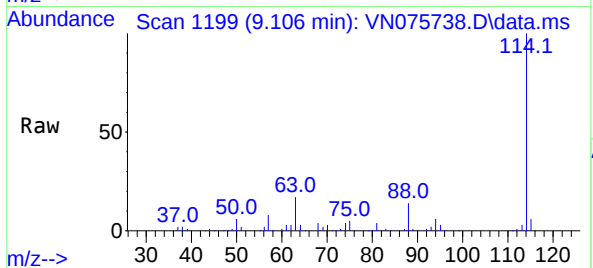
Tgt Ion:114 Resp: 410288

Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 14.3 0.0 29.2



#35

Dibromofluoromethane

Concen: 48.338 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075738.D

Acq: 13 Dec 2022 04:05

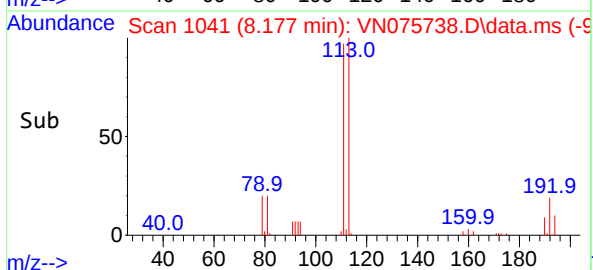
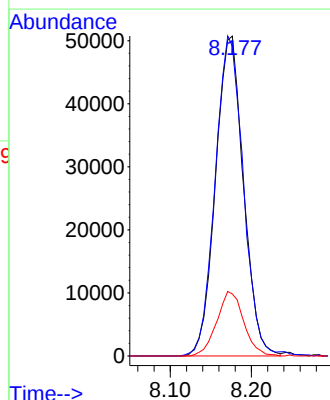
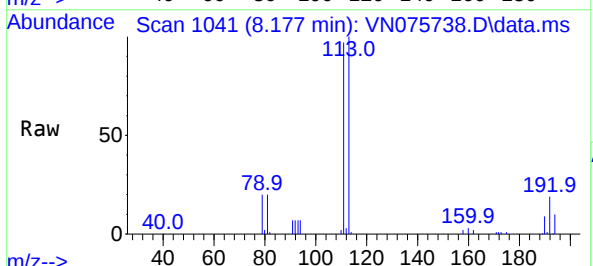
Tgt Ion:113 Resp: 121002

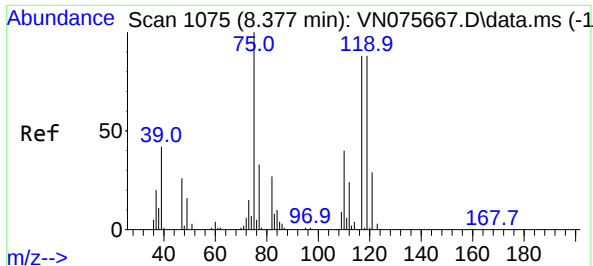
Ion Ratio Lower Upper

113 100

111 101.3 81.0 121.6

192 19.5 16.2 24.2

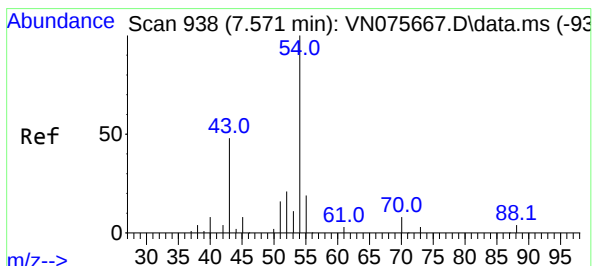
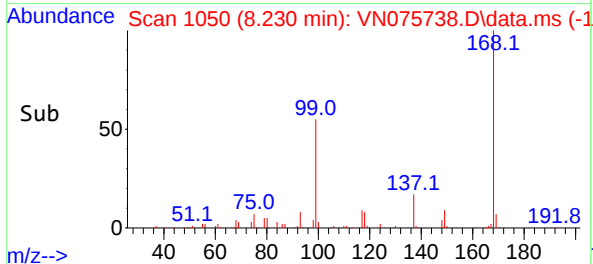
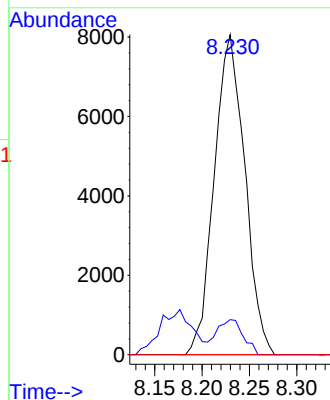
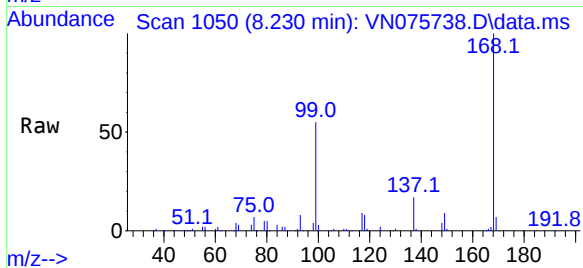




#36
1,1-Dichloropropene
Concen: 5.449 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.147 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

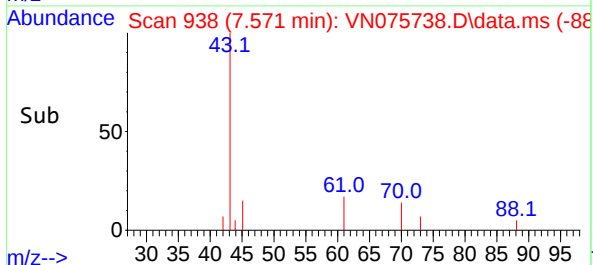
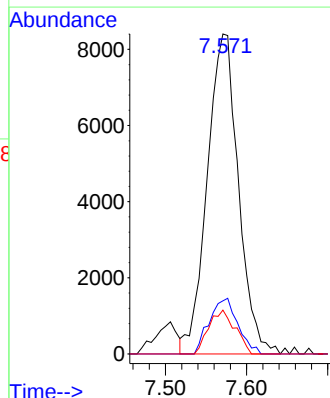
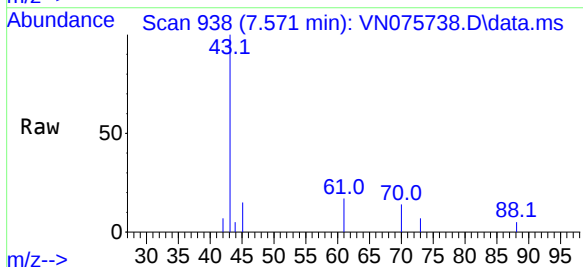
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

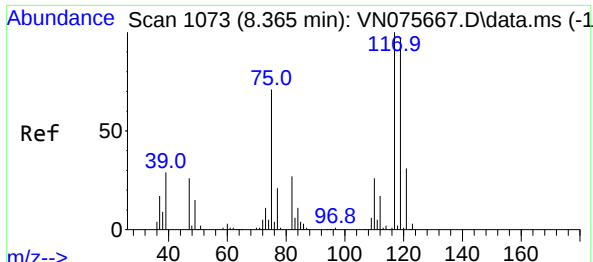
Tgt Ion: 75 Resp: 18111
Ion Ratio Lower Upper
75 100
110 9.4 18.9 56.9#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 8.415 ug/l
RT: 7.571 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

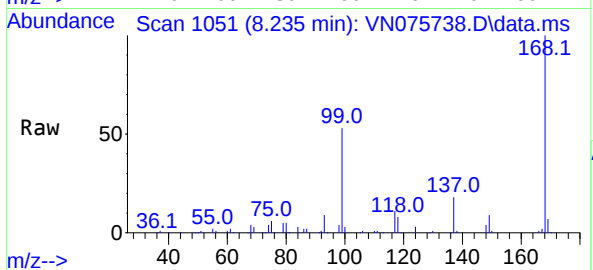
Tgt Ion: 43 Resp: 22458
Ion Ratio Lower Upper
43 100
61 15.9 13.3 19.9
70 11.6 9.9 14.9



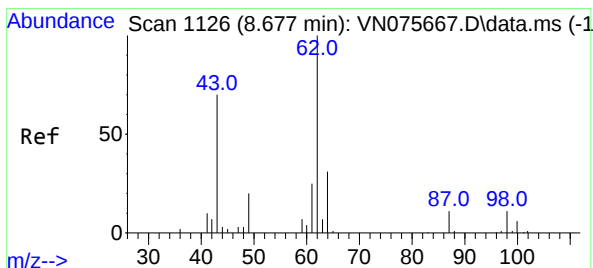
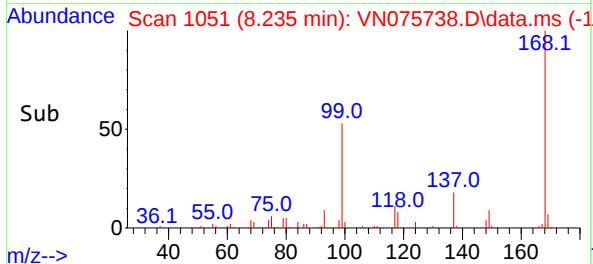
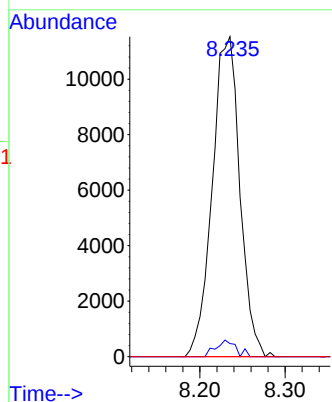


#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 8.235 min Scan# 1073
Delta R.T. -0.129 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Instrument : MSVOA_N
ClientSampleId : PB149517ZHE#01

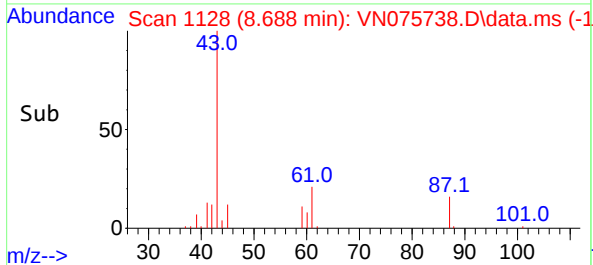
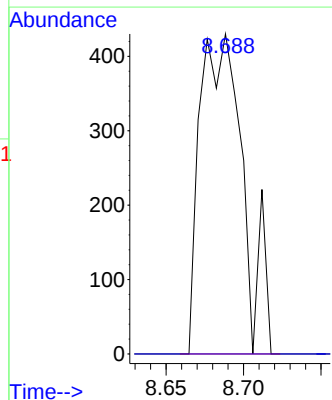
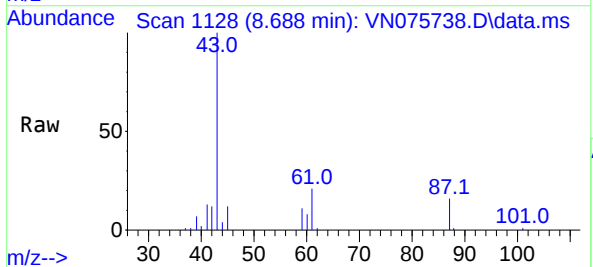


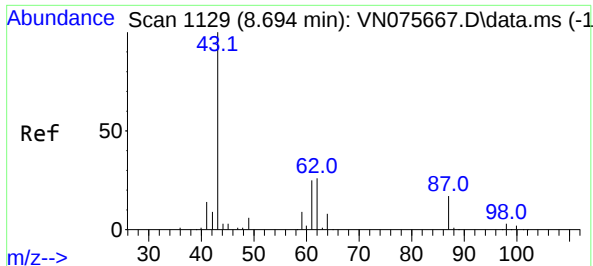
Tgt Ion:117 Resp: 25919
Ion Ratio Lower Upper
117 100
119 4.1 77.2 115.8#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.244 ug/l
RT: 8.688 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 62 Resp: 831
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.8





#43

Isopropyl Acetate

Concen: 35.301 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN075738.D

Acq: 13 Dec 2022 04:05

Instrument :

MSVOA_N

ClientSampleId :

PB149517ZHE#01

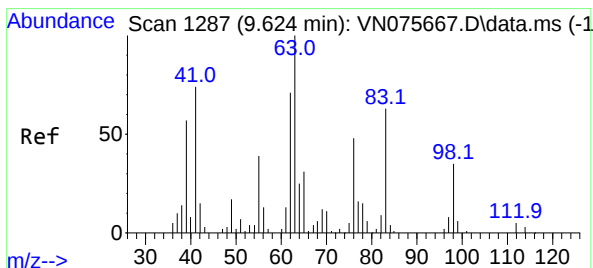
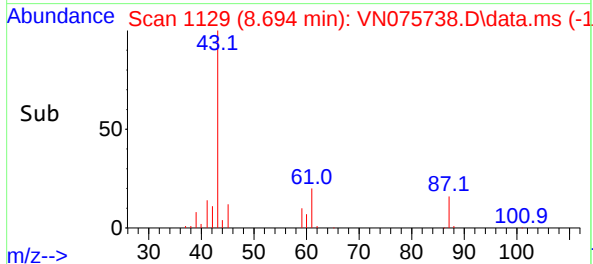
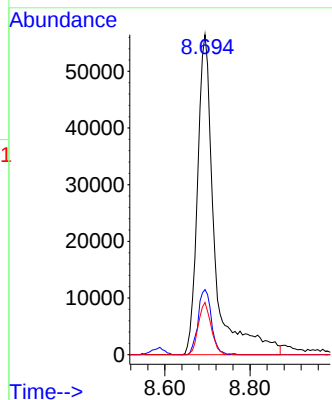
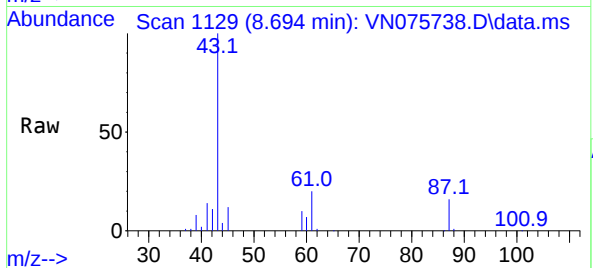
Tgt Ion: 43 Resp: 157277

Ion Ratio Lower Upper

43 100

61 15.8 23.8 35.8#

87 12.2 13.7 20.5#



#45

1,2-Dichloropropane

Concen: 0.606 ug/l

RT: 9.741 min Scan# 1307

Delta R.T. 0.118 min

Lab File: VN075738.D

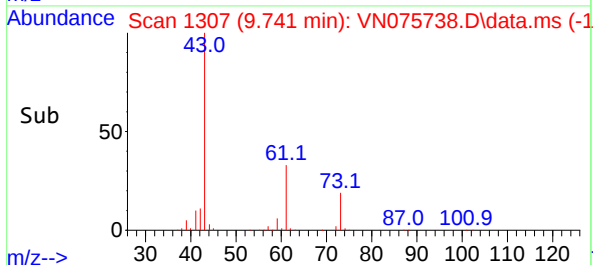
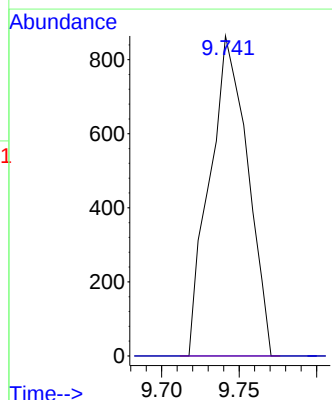
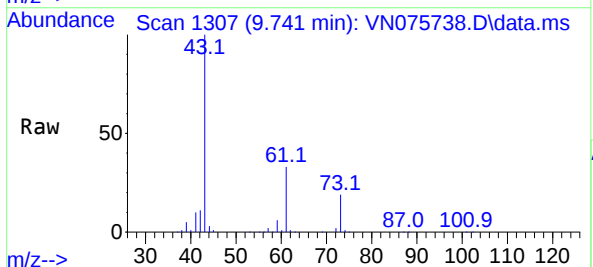
Acq: 13 Dec 2022 04:05

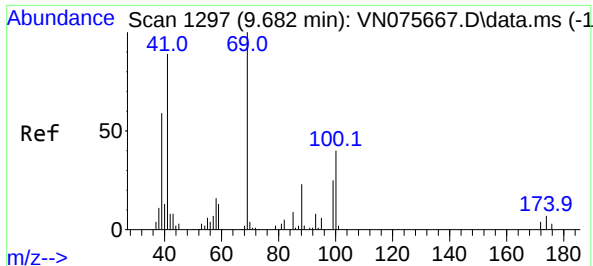
Tgt Ion: 63 Resp: 1470

Ion Ratio Lower Upper

63 100

65 0.0 25.1 37.7#

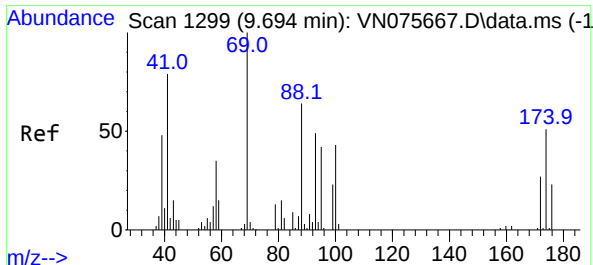
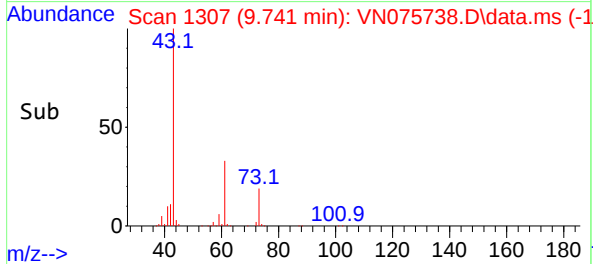
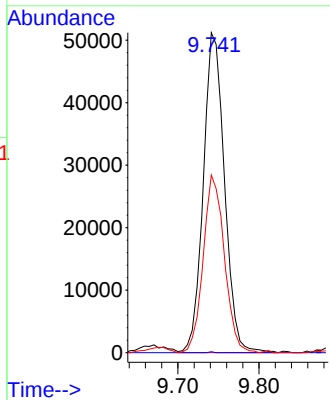
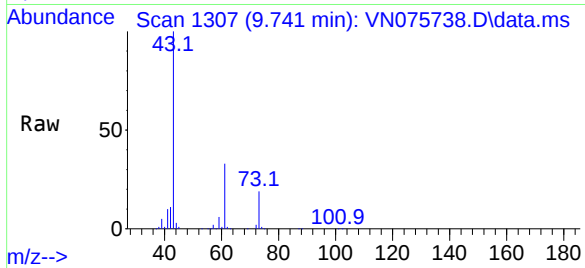




#48
Methyl methacrylate
Concen: 45.190 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.059 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

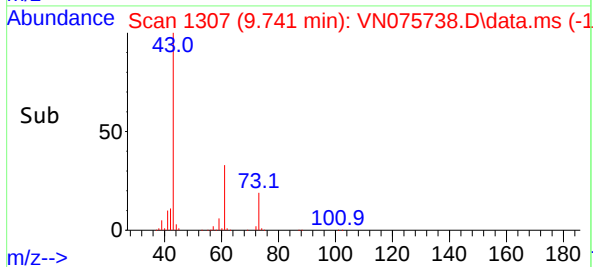
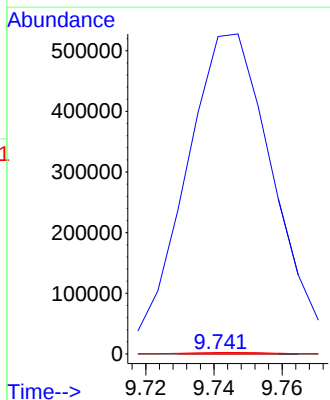
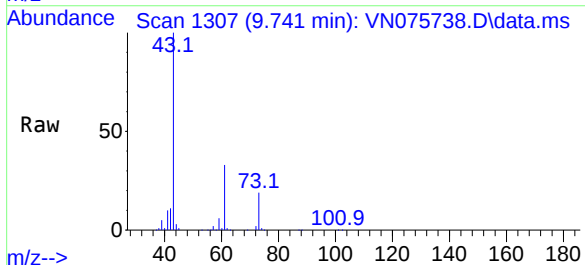
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

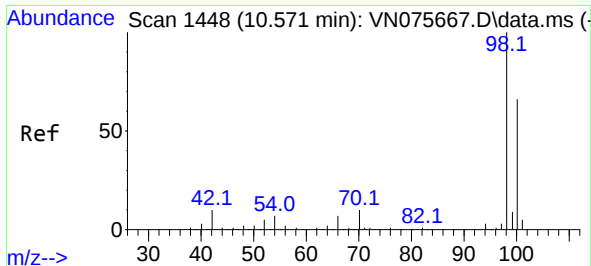
Tgt Ion: 41 Resp: 92728
Ion Ratio Lower Upper
41 100
69 0.1 82.5 123.7#
39 55.4 53.2 79.8



#49
1,4-Dioxane
Concen: 2.245 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.047 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 88 Resp: 112
Ion Ratio Lower Upper
88 100
43 864035.7 17.4 26.0#
58 4004.5 46.8 70.2#

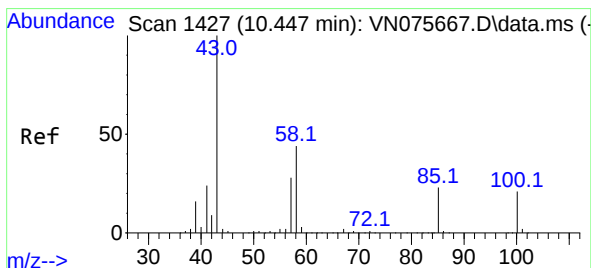
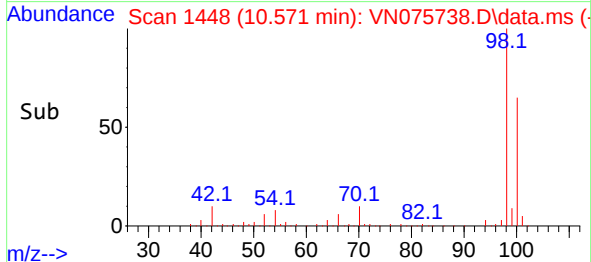
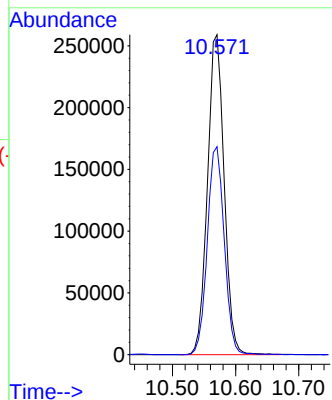
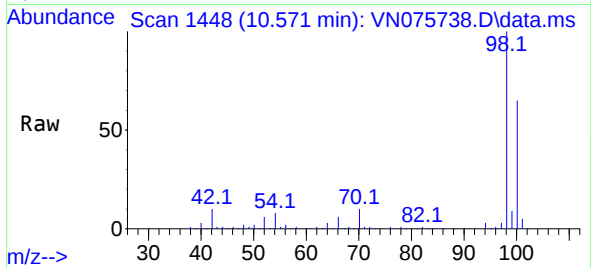




#50
Toluene-d8
Concen: 50.605 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

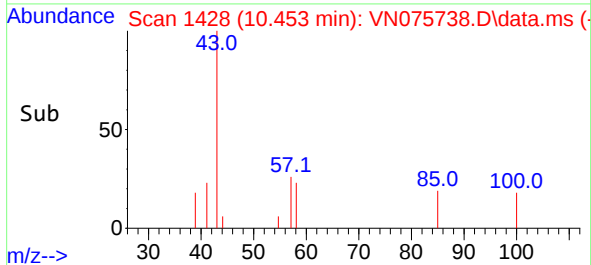
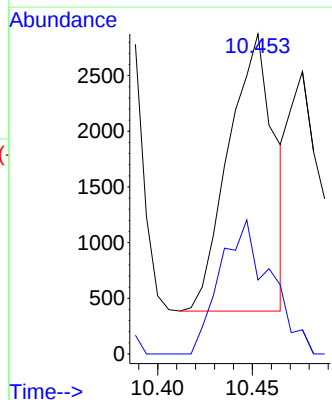
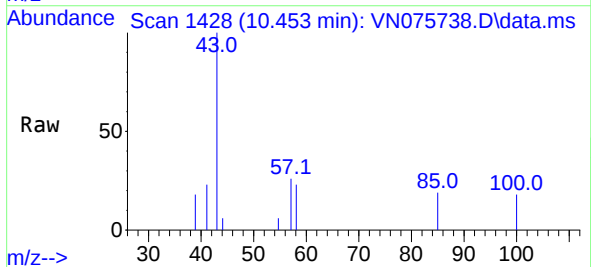
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

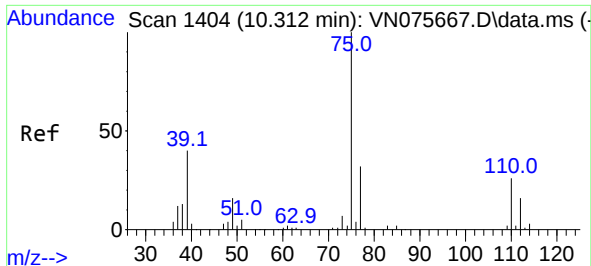
Tgt Ion: 98 Resp: 475722
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.516 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 43 Resp: 4164
Ion Ratio Lower Upper
43 100
58 53.5 35.0 52.6#

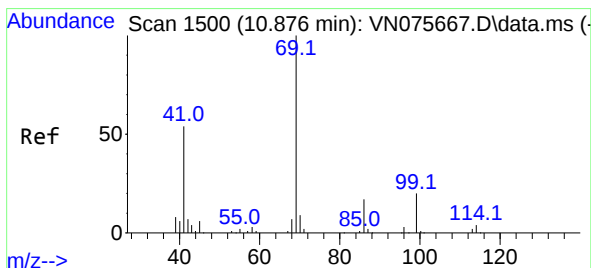
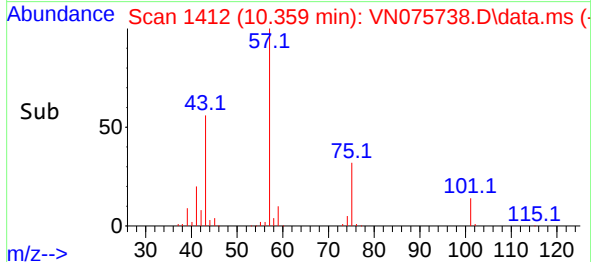
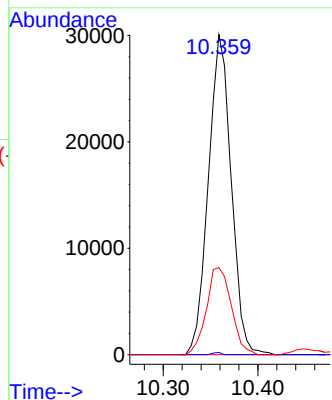
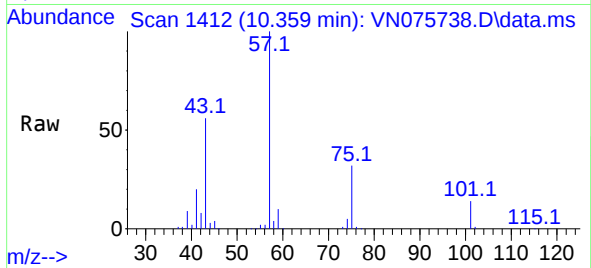




#54
 cis-1,3-Dichloropropene
 Concen: 12.823 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN075738.D
 Acq: 13 Dec 2022 04:05

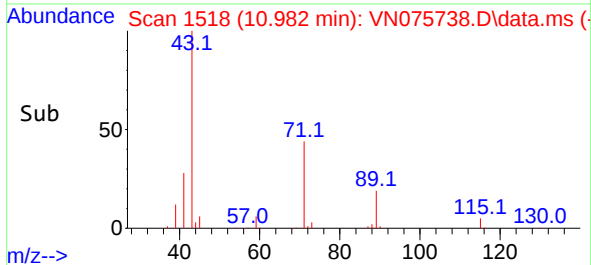
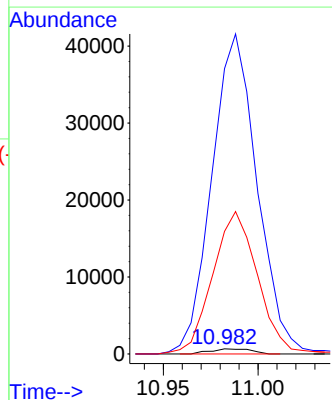
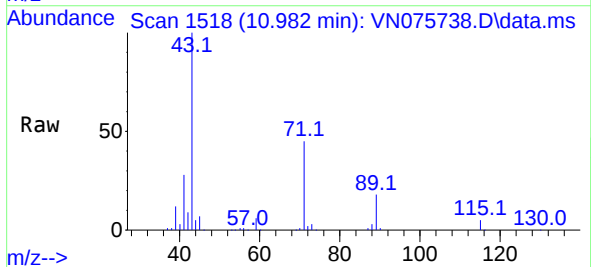
Instrument :
 MSVOA_N
 ClientSampleId :
 PB149517ZHE#01

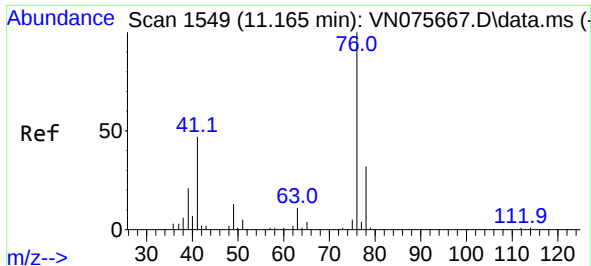
Tgt Ion: 75 Resp: 50322
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 27.2 32.0 48.0#



#56
 Ethyl methacrylate
 Concen: 0.279 ug/l
 RT: 10.982 min Scan# 1518
 Delta R.T. 0.106 min
 Lab File: VN075738.D
 Acq: 13 Dec 2022 04:05

Tgt Ion: 69 Resp: 1004
 Ion Ratio Lower Upper
 69 100
 41 6924.5 44.1 66.1#
 39 3060.6 27.7 41.5#





#57

1,3-Dichloropropane

Concen: 1.451 ug/l

RT: 11.200 min Scan# 1555

Delta R.T. 0.035 min

Lab File: VN075738.D

Acq: 13 Dec 2022 04:05

Instrument :

MSVOA_N

ClientSampleId :

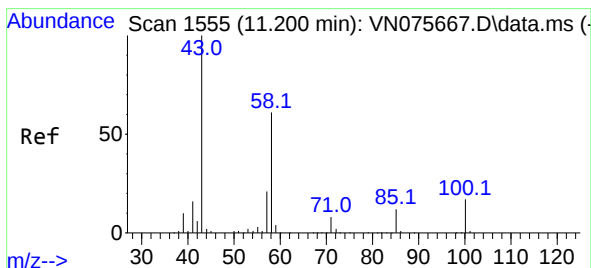
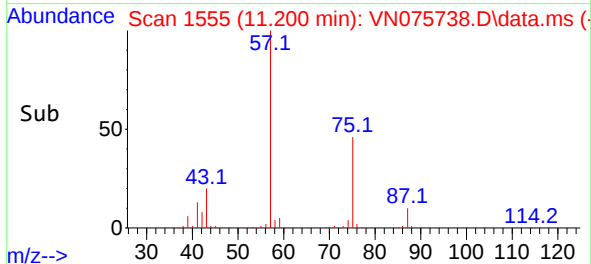
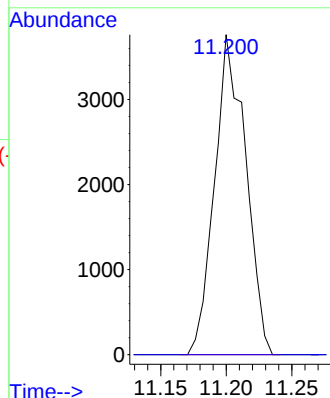
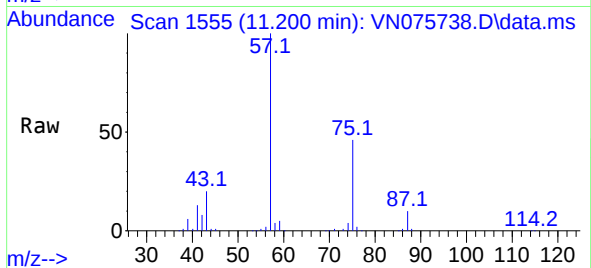
PB149517ZHE#01

Tgt Ion: 76 Resp: 6218

Ion Ratio Lower Upper

76 100

78 0.0 26.8 40.2#



#59

2-Hexanone

Concen: 50.266 ug/l

RT: 11.171 min Scan# 1550

Delta R.T. -0.029 min

Lab File: VN075738.D

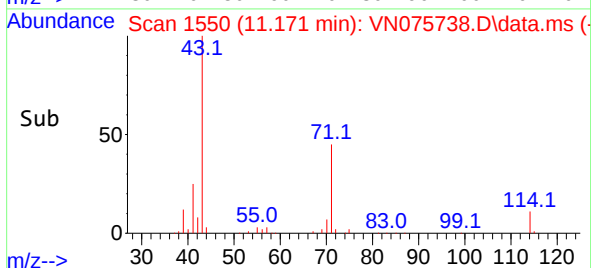
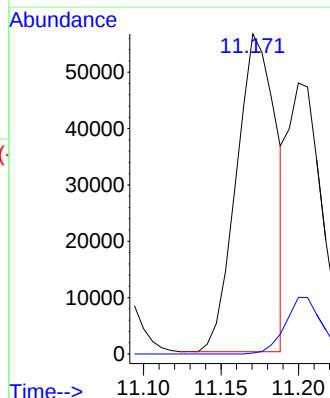
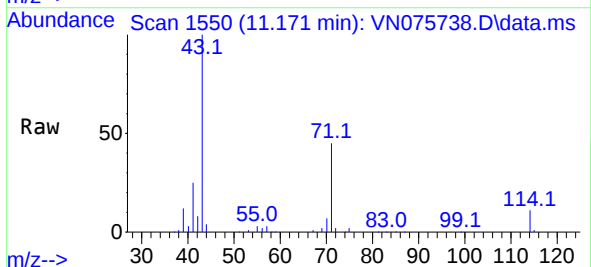
Acq: 13 Dec 2022 04:05

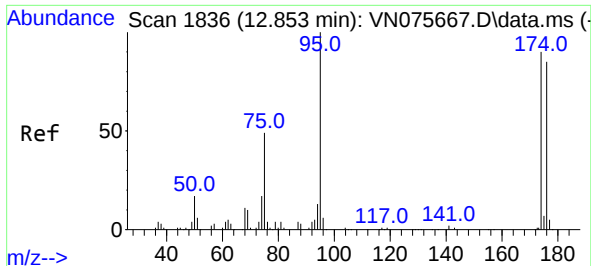
Tgt Ion: 43 Resp: 100327

Ion Ratio Lower Upper

43 100

58 0.0 30.9 92.5#

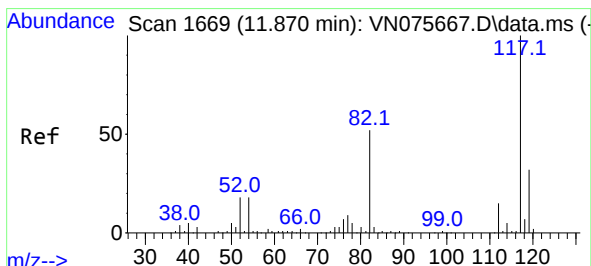
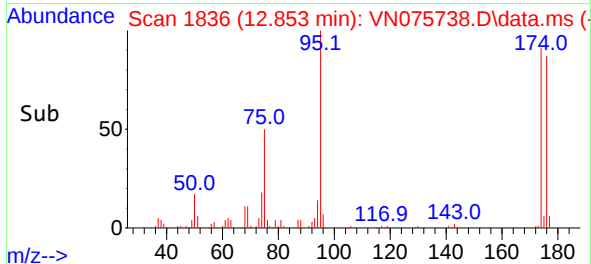
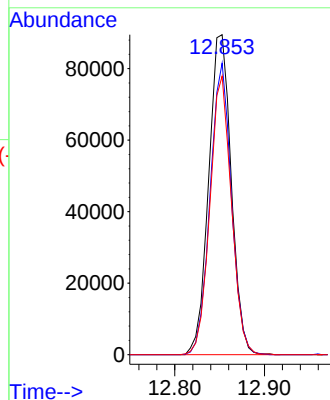
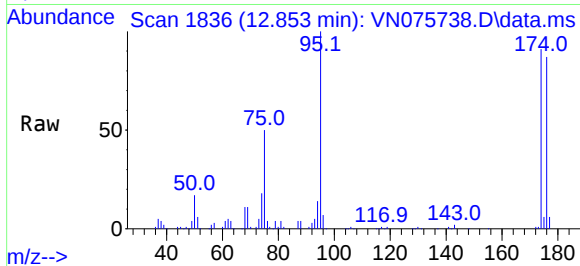




#62
4-Bromofluorobenzene
Concen: 48.547 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

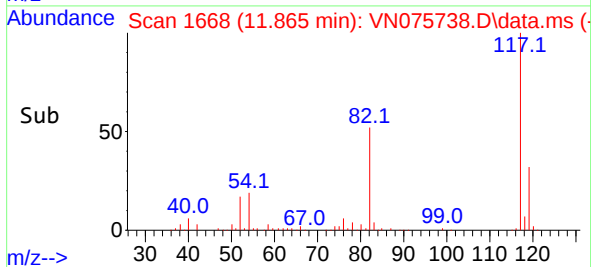
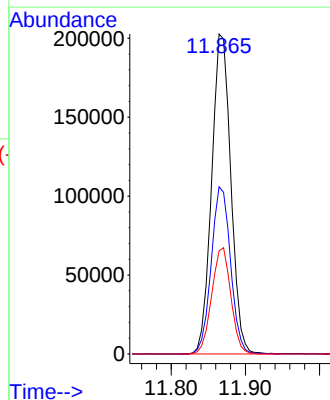
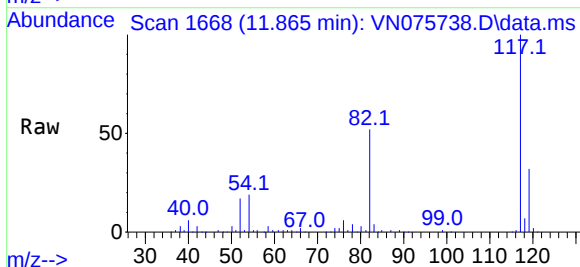
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

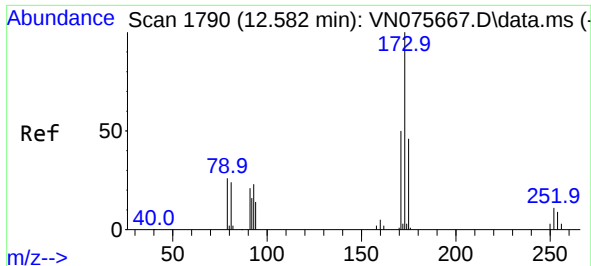
Tgt Ion: 95 Resp: 156040
Ion Ratio Lower Upper
95 100
174 86.0 0.0 178.6
176 82.7 0.0 170.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 117 Resp: 364705
Ion Ratio Lower Upper
117 100
82 52.3 41.8 62.8
119 32.2 25.8 38.6

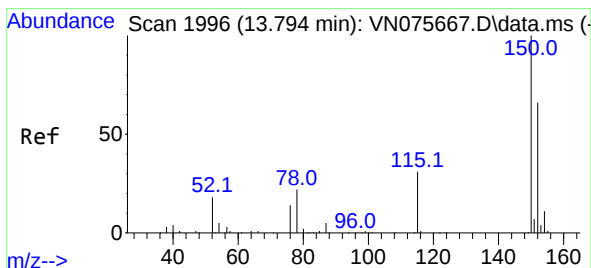
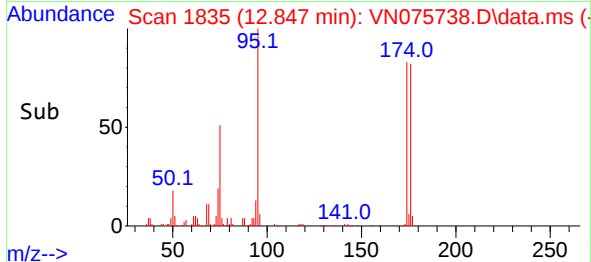
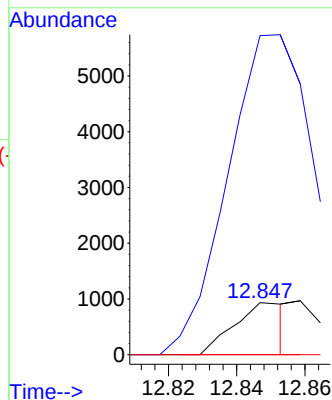
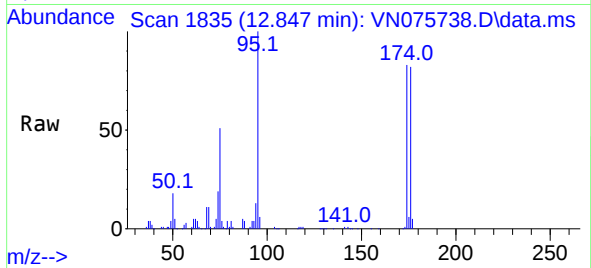




#71
Bromoform
Concen: 0.475 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

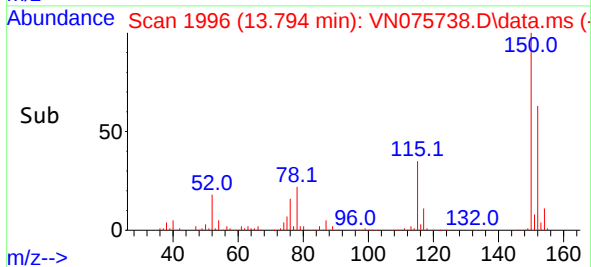
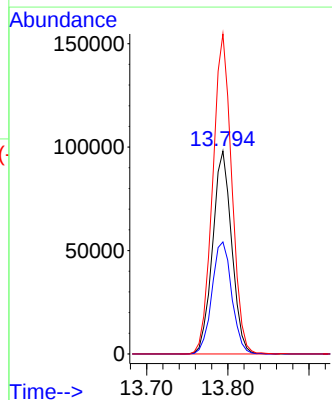
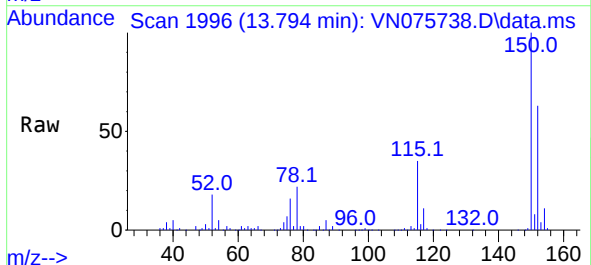
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

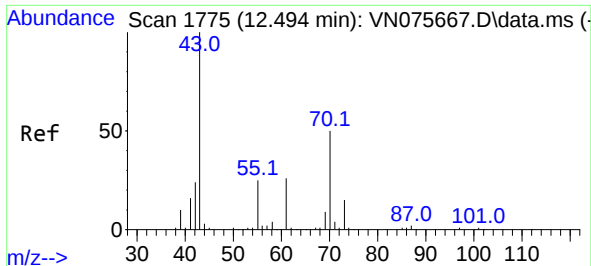
Tgt Ion:173 Resp: 984
Ion Ratio Lower Upper
173 100
175 880.3 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion:152 Resp: 160088
Ion Ratio Lower Upper
152 100
115 57.3 28.4 85.2
150 157.2 0.0 347.6

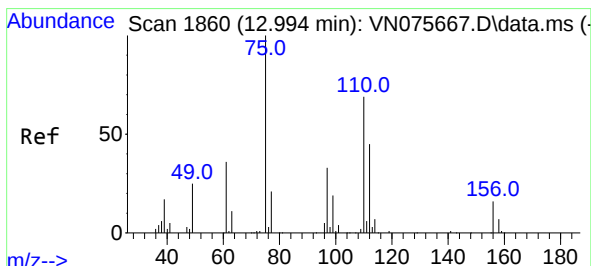
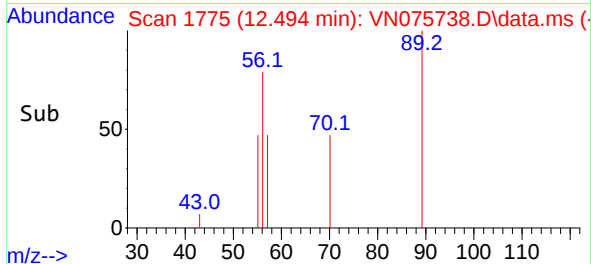
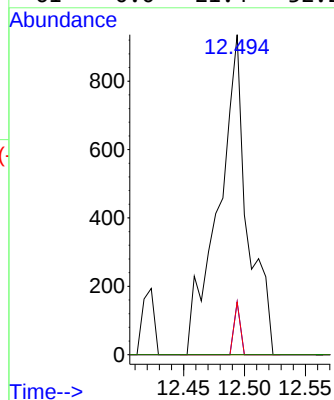
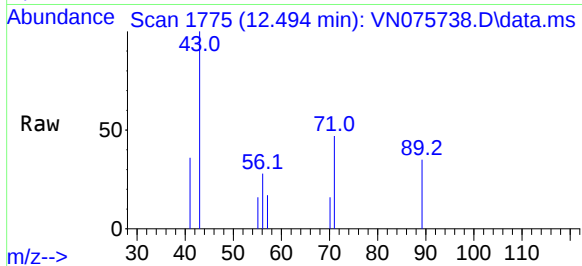




#74
N-amy1 acetate
Concen: 0.463 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

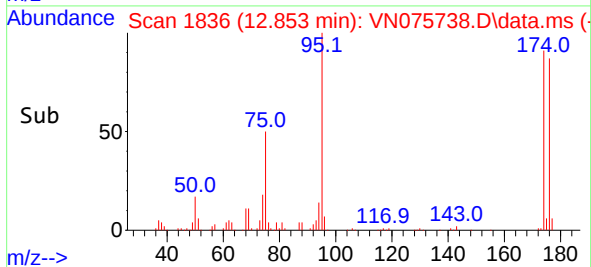
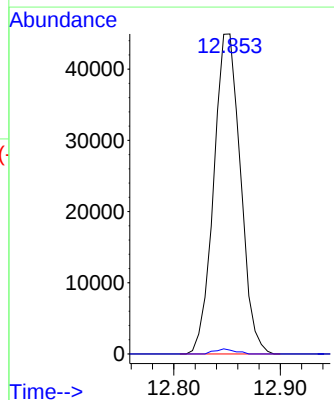
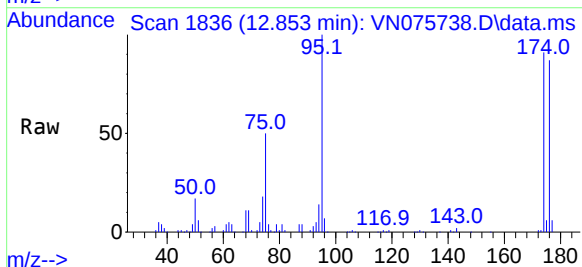
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

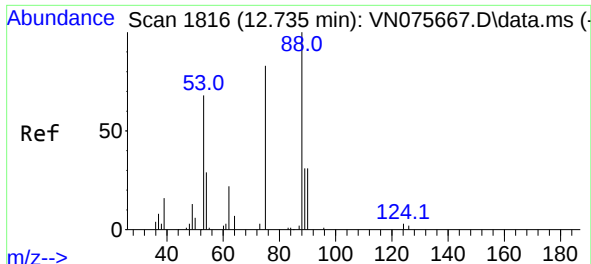
Tgt Ion: 43	Resp:	1545
Ion	Ratio	Lower Upper
43	100	
70	3.5	41.0 61.6#
55	3.5	20.7 31.1#
61	0.0	21.4 32.2#



#76
1,2,3-Trichloropropane
Concen: 24.356 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion: 75	Resp:	78302
Ion	Ratio	Lower Upper
75	100	
77	1.2	81.8 245.4#

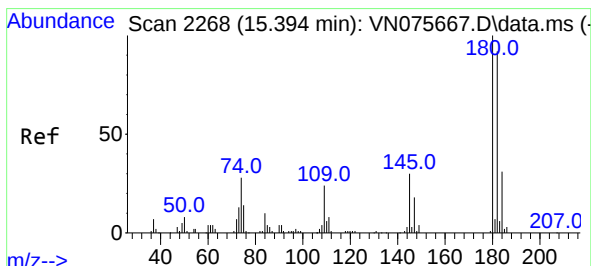
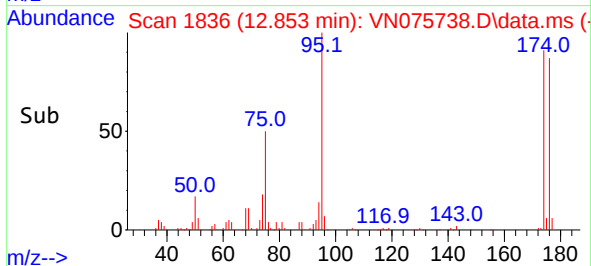
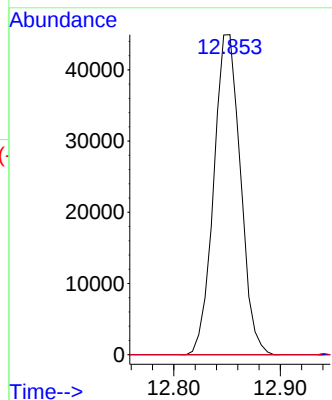
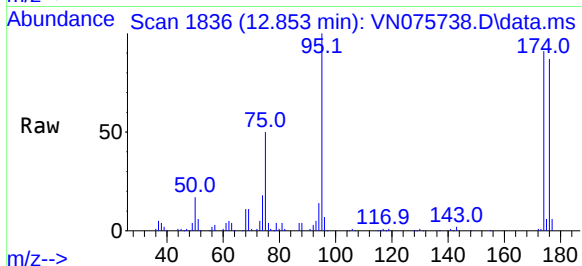




#81
trans-1,4-Dichloro-2-butene
Concen: 77.776 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

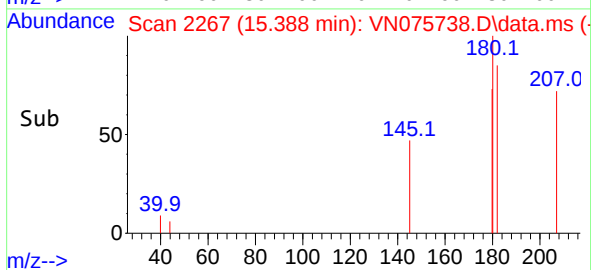
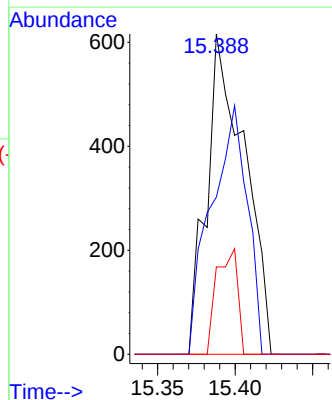
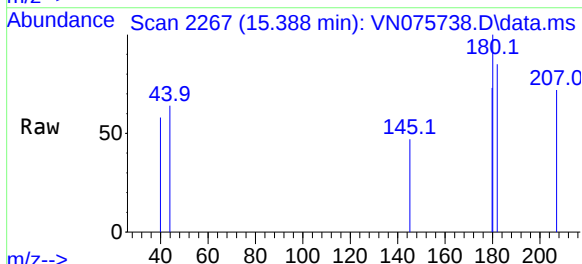
Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

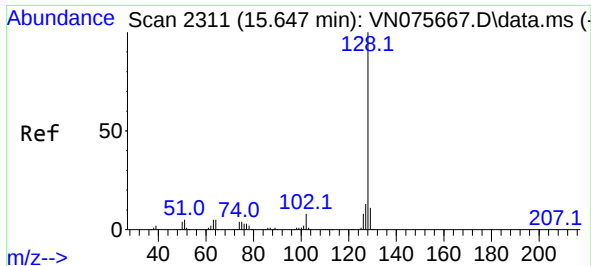
Tgt Ion: 75 Resp: 78302
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 36.6 55.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.405 ug/l
RT: 15.388 min Scan# 2267
Delta R.T. -0.006 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion:180 Resp: 1047
Ion Ratio Lower Upper
180 100
182 74.1 47.1 141.3
145 18.1 15.2 45.5

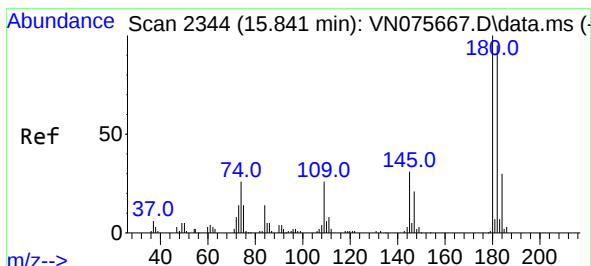
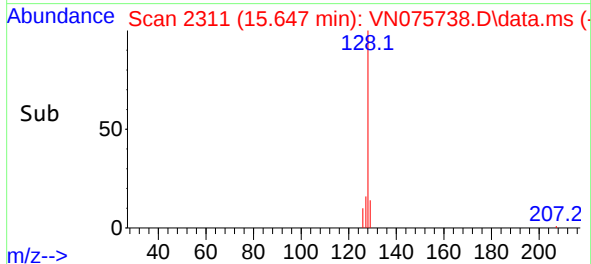
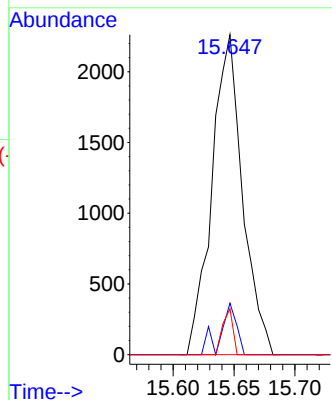
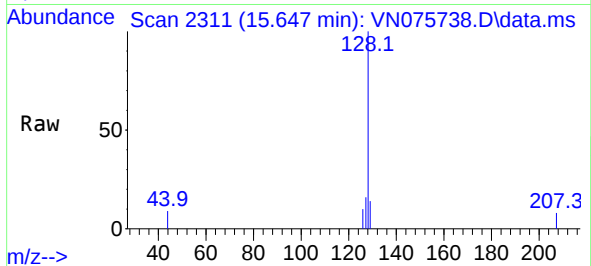




#95
Naphthalene
Concen: 0.520 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. -0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Instrument :
MSVOA_N
ClientSampleId :
PB149517ZHE#01

Tgt Ion:128 Resp: 3972
Ion Ratio Lower Upper
128 100
127 8.5 10.2 15.4#
129 4.8 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.303 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN075738.D
Acq: 13 Dec 2022 04:05

Tgt Ion:180 Resp: 769
Ion Ratio Lower Upper
180 100
182 93.9 46.8 140.4
145 12.9 15.6 46.8#

