

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010623\
 Data File : VN076140.D
 Acq On : 06 Jan 2023 17:48
 Operator : JC\MD
 Sample : 01061-10 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-2

Quant Time: Jan 06 22:57:27 2023
 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)

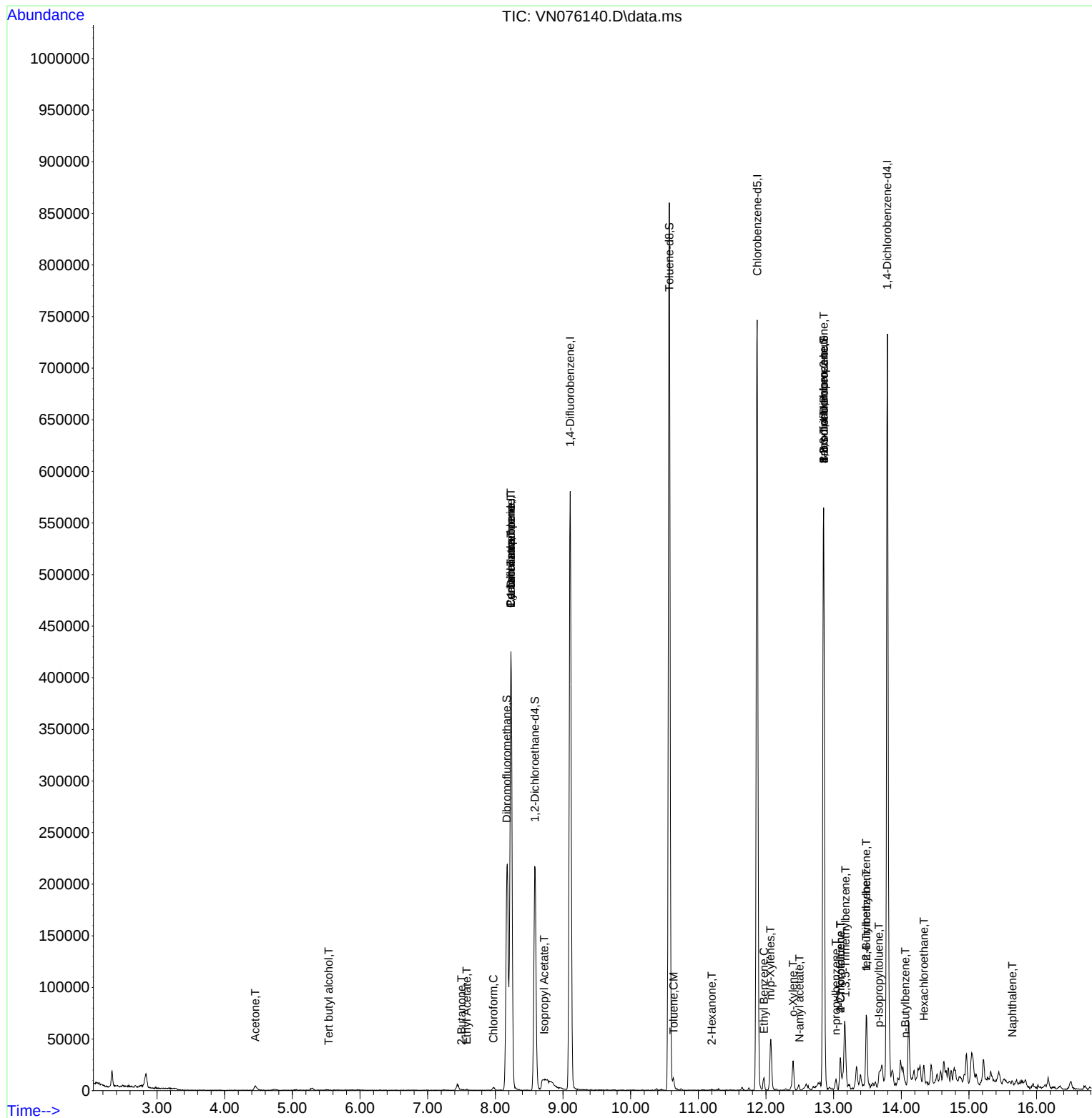
Internal Standards						
1) Pentafluorobenzene	8.229	168	321378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	530860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	460641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	177087	50.650	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.300%
35) Dibromofluoromethane	8.171	113	157135	47.797	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.600%
50) Toluene-d8	10.571	98	606797	49.366	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.740%
62) 4-Bromofluorobenzene	12.853	95	191396	47.013	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.020%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.536	59	328	0.663	ug/l #	72
16) Acetone	4.453	43	8345	6.924	ug/l	98
20) Methylene Chloride	5.294	84	1475	Below Cal	#	75
25) 2-Butanone	7.500	43	1430	0.847	ug/l #	85
30) Chloroform	7.971	83	3403	0.560	ug/l #	76
31) Cyclohexane	8.229	56	6277	1.254	ug/l #	22
36) 1,1-Dichloropropene	8.229	75	25305	5.794	ug/l #	48
37) Ethyl Acetate	7.577	43	1704	0.486	ug/l #	65
38) Carbon Tetrachloride	8.229	117	32579	6.665	ug/l #	16
43) Isopropyl Acetate	8.724	43	9714	1.679	ug/l #	50
52) Toluene	10.635	92	4234	0.482	ug/l	95
59) 2-Hexanone	11.200	43	778	0.305	ug/l #	32
67) Ethyl Benzene	11.970	91	9039	0.566	ug/l	96
68) m/p-Xylenes	12.065	106	13972	2.212	ug/l	95
69) o-Xylene	12.400	106	8301	1.328	ug/l	87
71) Bromoform	12.853	173	1582	0.621	ug/l #	1
74) N-amyl acetate	12.494	43	1434	0.338	ug/l #	46
76) 1,2,3-Trichloropropane	12.853	75	97806	24.277	ug/l #	1
78) n-propylbenzene	13.035	91	7223	0.453	ug/l	97
79) 2-Chlorotoluene	13.100	91	3773	0.379	ug/l #	40
80) 1,3,5-Trimethylbenzene	13.176	105	11298	0.935	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.853	75	97806	87.386	ug/l #	12
82) 4-Chlorotoluene	13.100	91	3773	0.379	ug/l #	40
83) tert-Butylbenzene	13.482	119	5002	0.469	ug/l #	59
84) 1,2,4-Trimethylbenzene	13.482	105	42684	3.559	ug/l	97
86) p-Isopropyltoluene	13.670	119	3352	0.274	ug/l	93
89) n-Butylbenzene	14.059	91	3099	0.313	ug/l #	77
90) Hexachloroethane	14.335	117	1199	0.548	ug/l #	11
95) Naphthalene	15.641	128	3833	2.515	ug/l #	93

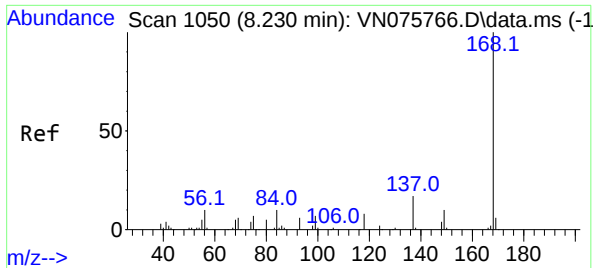
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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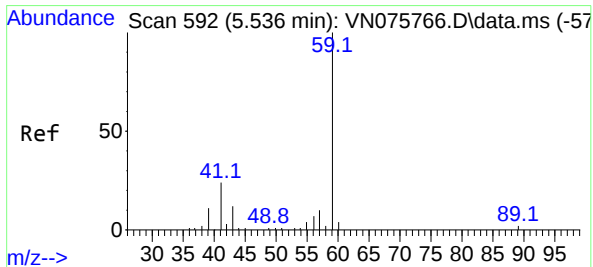
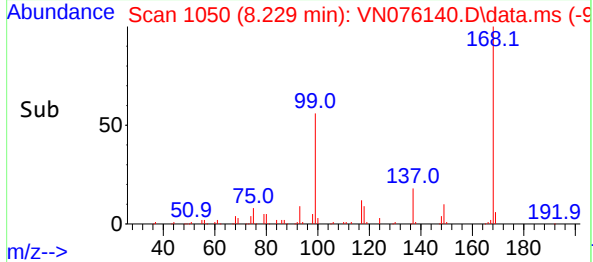
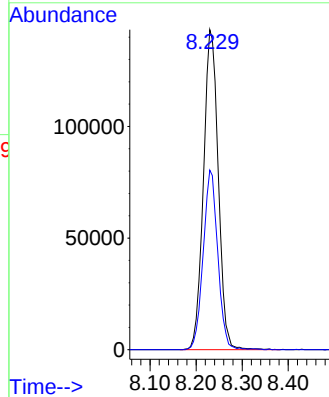
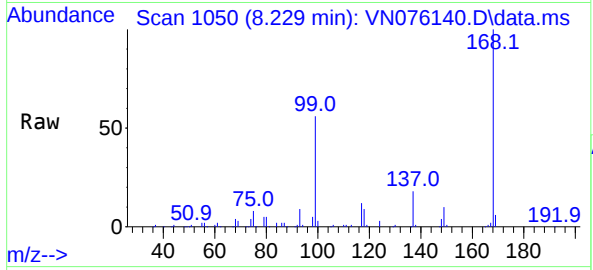




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

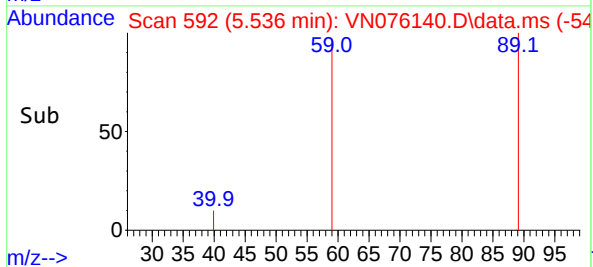
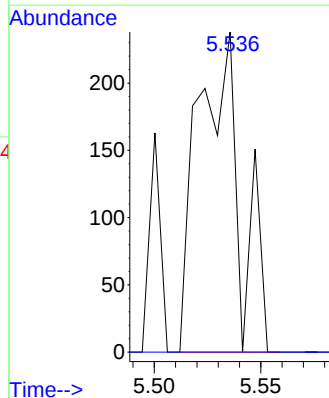
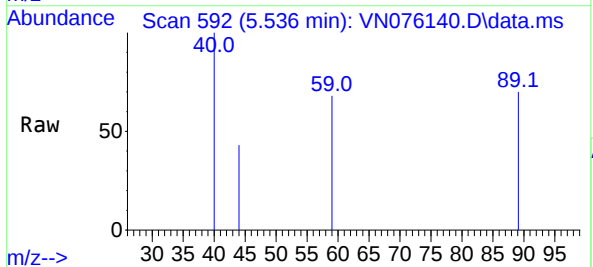
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

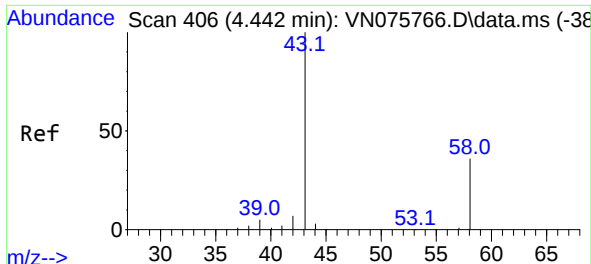
Tgt Ion:168 Resp: 321378
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.663 ug/l
RT: 5.536 min Scan# 592
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

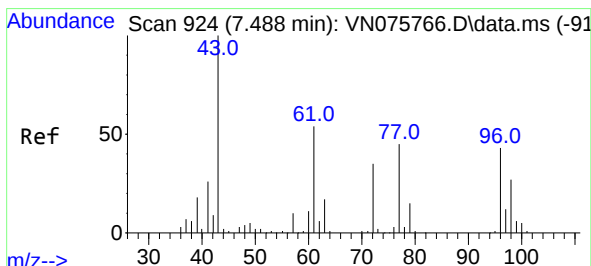
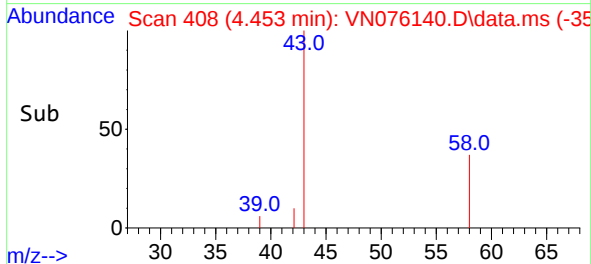
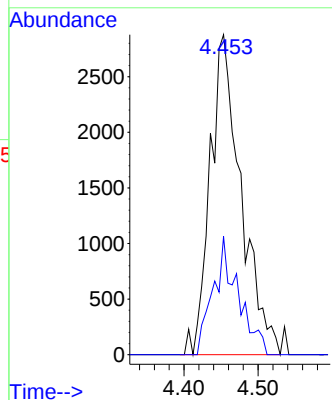
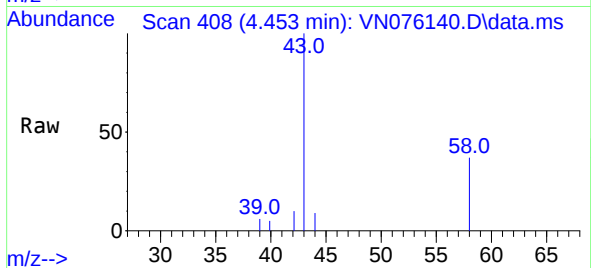




#16
Acetone
Concen: 6.924 ug/l
RT: 4.453 min Scan# 406
Delta R.T. 0.012 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

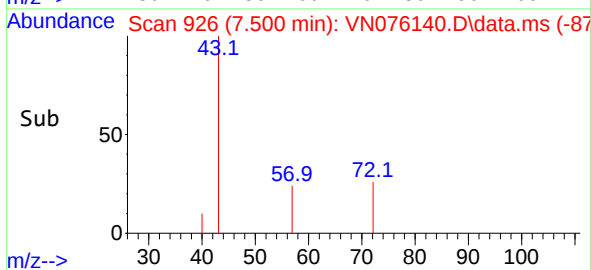
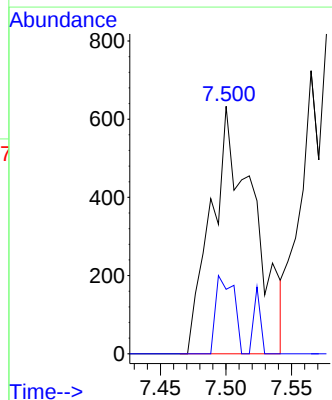
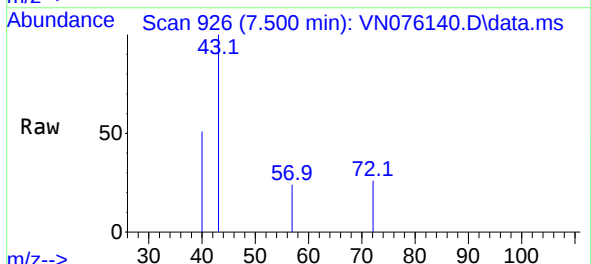
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

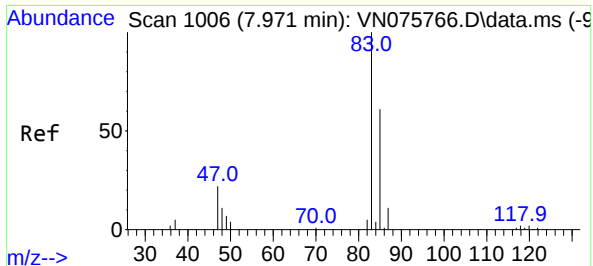
Tgt Ion: 43 Resp: 8345
Ion Ratio Lower Upper
43 100
58 36.9 28.6 43.0



#25
2-Butanone
Concen: 0.847 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 43 Resp: 1430
Ion Ratio Lower Upper
43 100
72 26.1 28.0 42.0#





#30

Chloroform

Concen: 0.560 ug/l

RT: 7.971 min Scan# 1006

Delta R.T. -0.000 min

Lab File: VN076140.D

Acq: 06 Jan 2023 17:48

Instrument :

MSVOA_N

ClientSampleId :

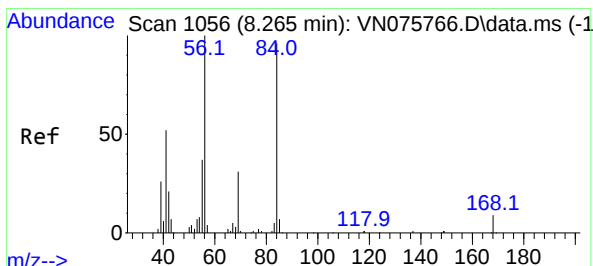
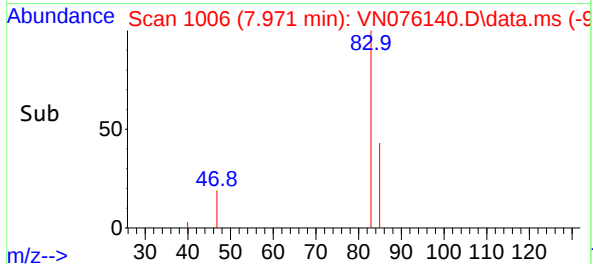
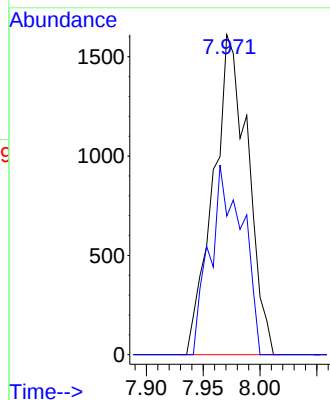
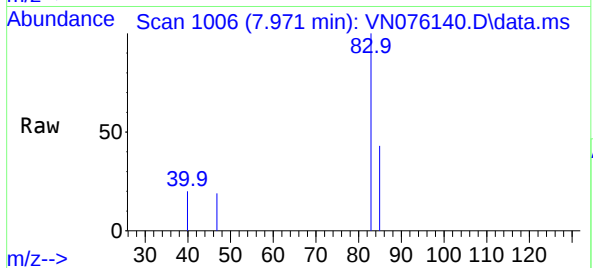
TOTE-2

Tgt Ion: 83 Resp: 3403

Ion Ratio Lower Upper

83 100

85 43.3 49.1 73.7#



#31

Cyclohexane

Concen: 1.254 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076140.D

Acq: 06 Jan 2023 17:48

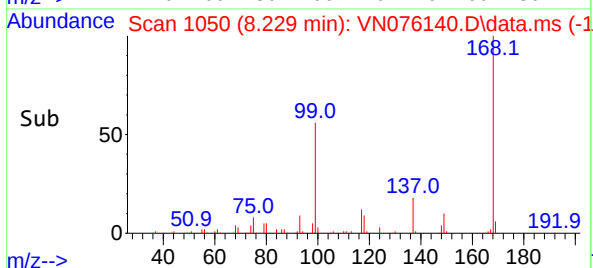
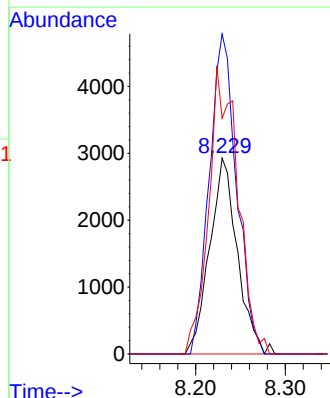
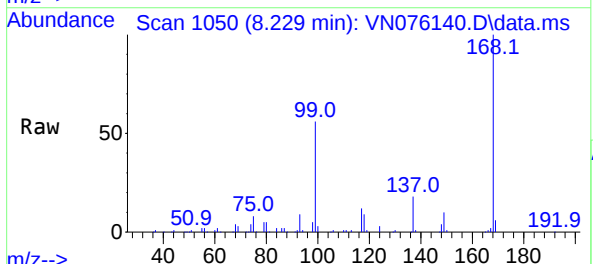
Tgt Ion: 56 Resp: 6277

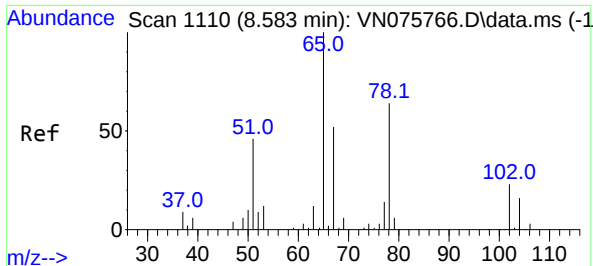
Ion Ratio Lower Upper

56 100

69 163.4 24.7 37.1#

84 120.3 76.5 114.7#

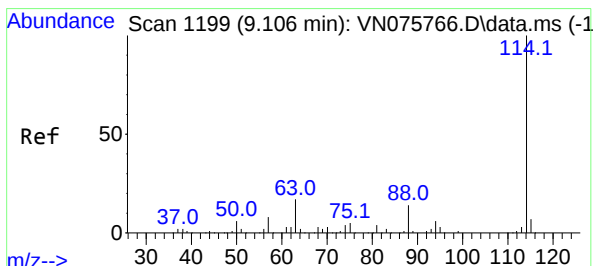
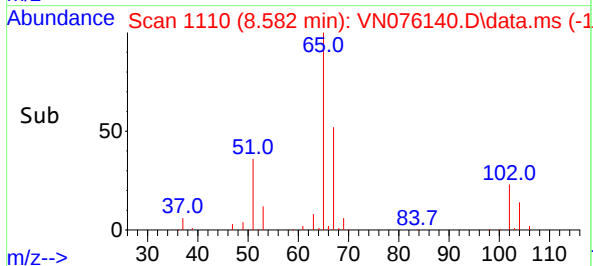
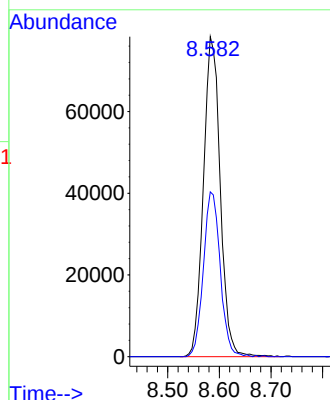
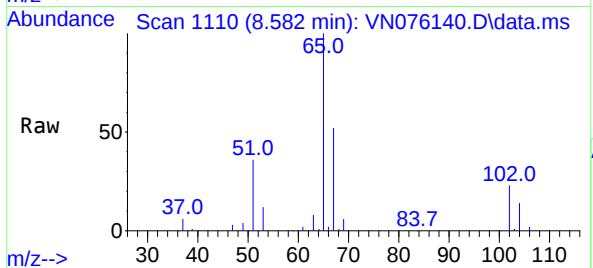




#33
1,2-Dichloroethane-d4
Concen: 50.650 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

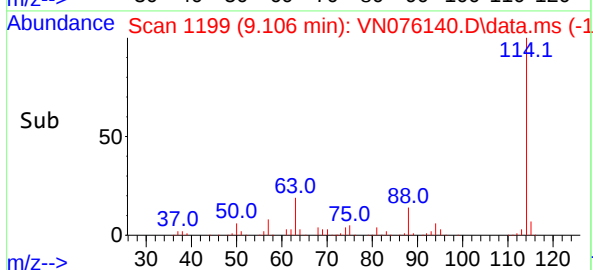
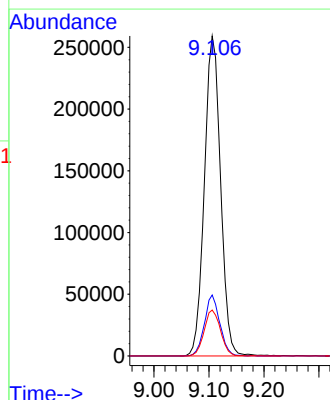
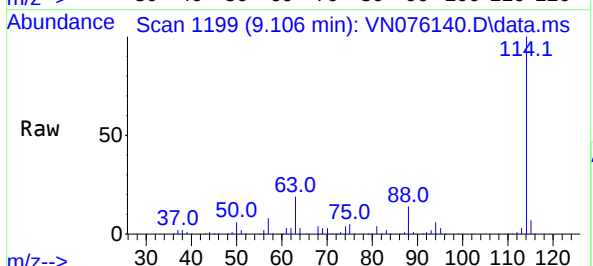
Instrument :
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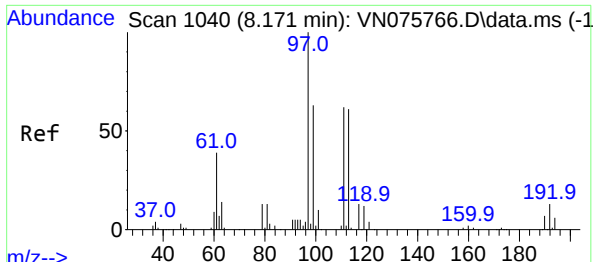
Tgt Ion: 65 Resp: 177087
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 114 Resp: 530860
Ion Ratio Lower Upper
114 100
63 19.1 0.0 34.4
88 14.4 0.0 28.8

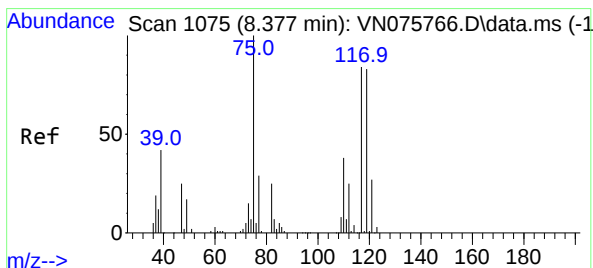
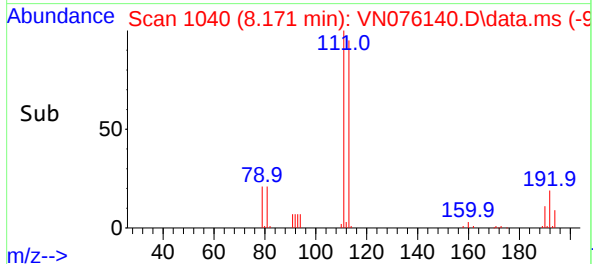
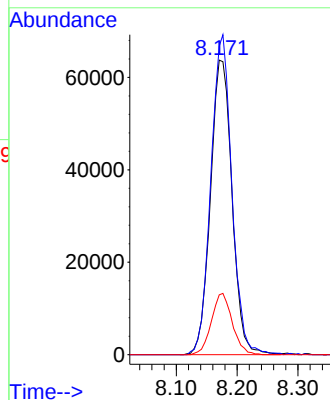
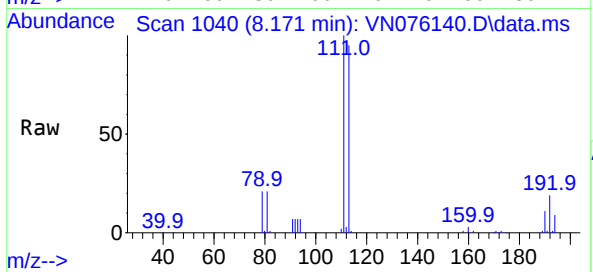




#35
Dibromofluoromethane
Concen: 47.797 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

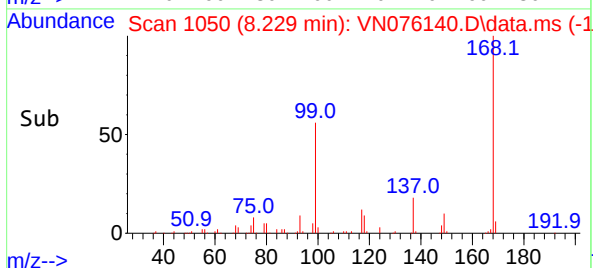
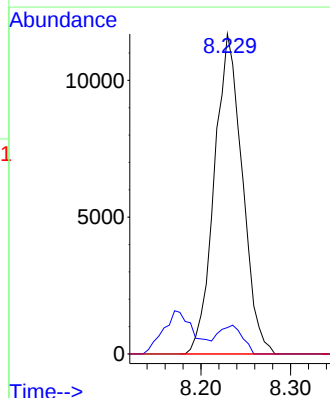
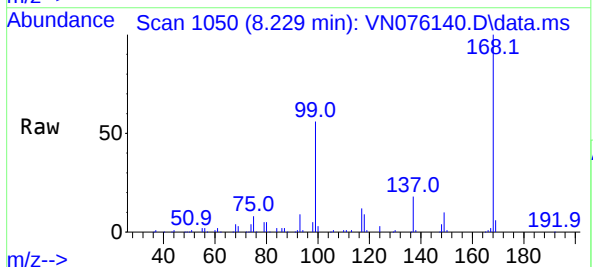
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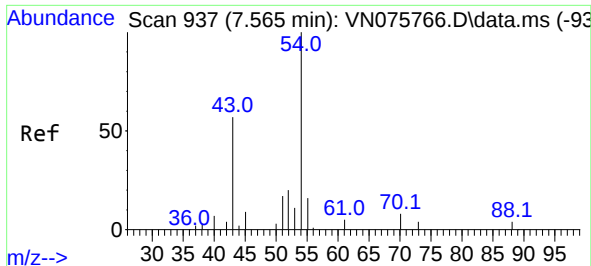
Tgt Ion:113 Resp: 157135
Ion Ratio Lower Upper
113 100
111 105.5 83.4 125.2
192 20.1 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.794 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 75 Resp: 25305
Ion Ratio Lower Upper
75 100
110 7.6 18.8 56.4#
77 0.0 24.1 36.1#





#37

Ethyl Acetate

Concen: 0.486 ug/l

RT: 7.577 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN076140.D

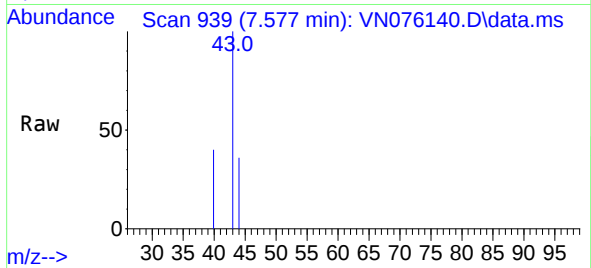
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Instrument :

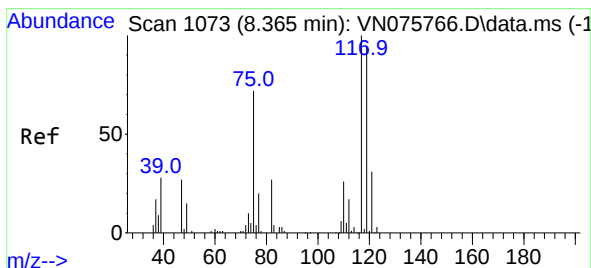
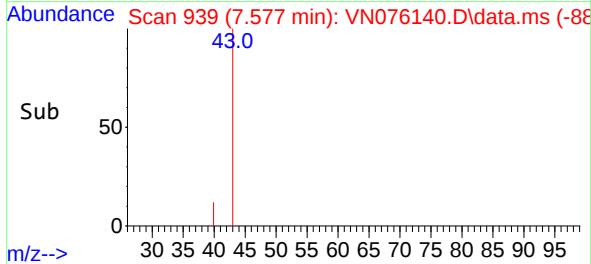
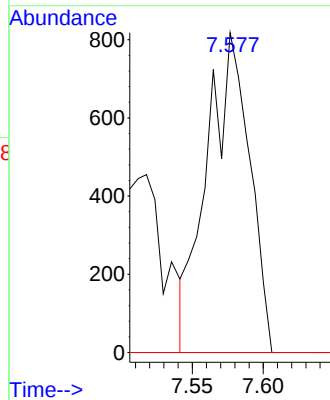
MSVOA_N

ClientSampleId :

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Tgt Ion: 43	Resp: 1704
Ion Ratio	Lower Upper
43 100	
61 0.0	13.0 19.4#
70 0.0	9.4 14.0#



#38

Carbon Tetrachloride

Concen: 6.665 ug/l

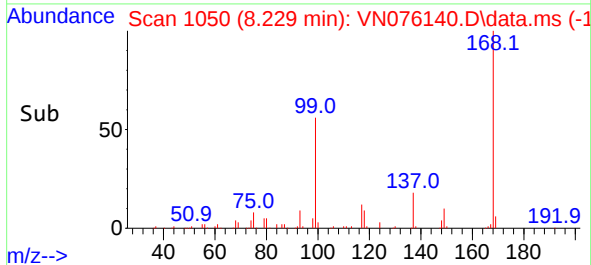
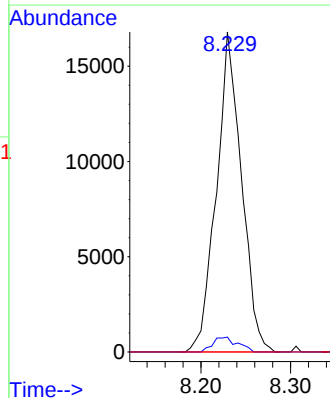
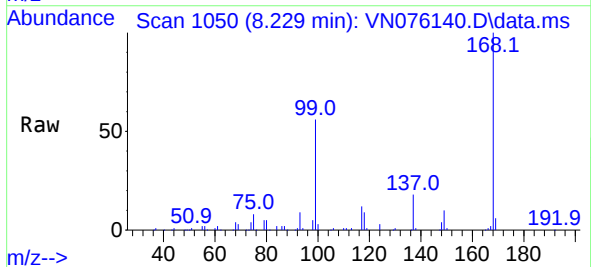
RT: 8.229 min Scan# 1050

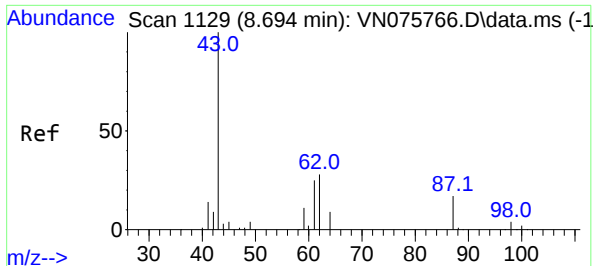
Delta R.T. -0.135 min

Lab File: VN076140.D

Acq: 06 Jan 2023 17:48

Tgt	Ion:117	Resp:	32579
Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.1	114.1#
121	0.0	24.5	36.7#

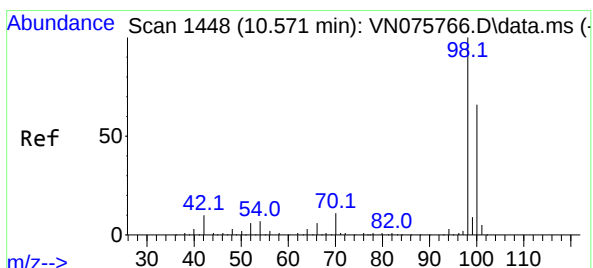
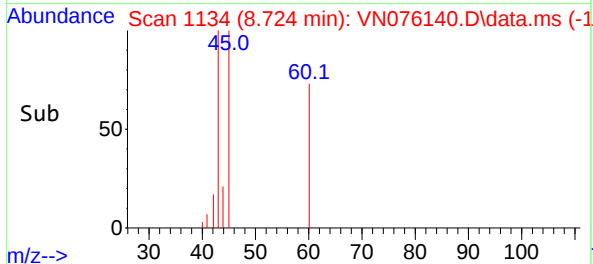
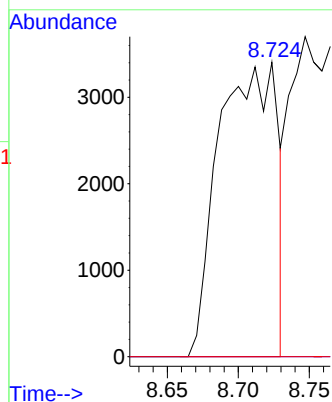
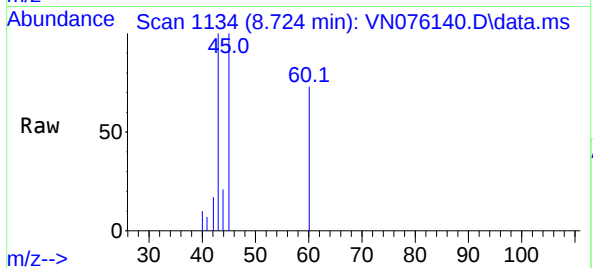




#43
Isopropyl Acetate
Concen: 1.679 ug/l
RT: 8.724 min Scan# 1134
Delta R.T. 0.029 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

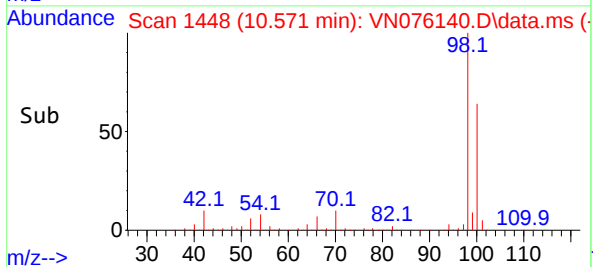
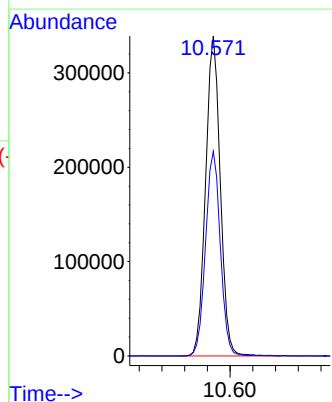
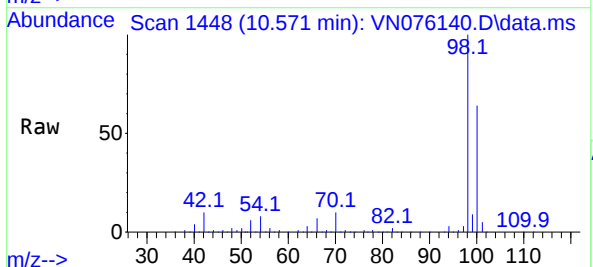
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

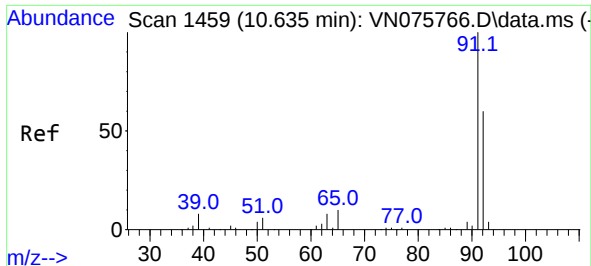
Tgt Ion: 43 Resp: 9714
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#



#50
Toluene-d8
Concen: 49.366 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 98 Resp: 606797
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

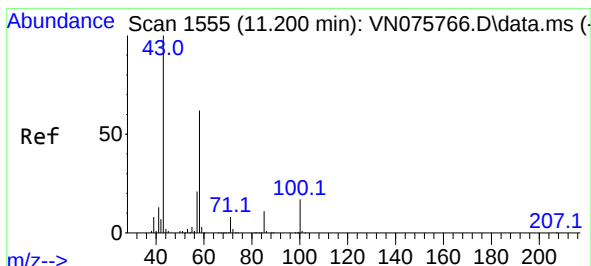
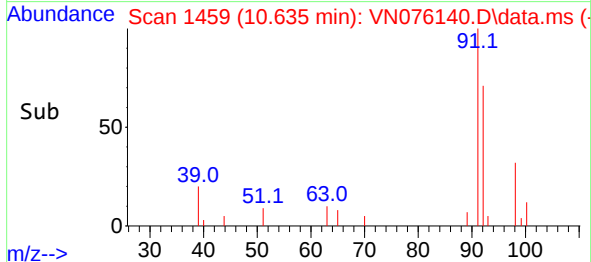
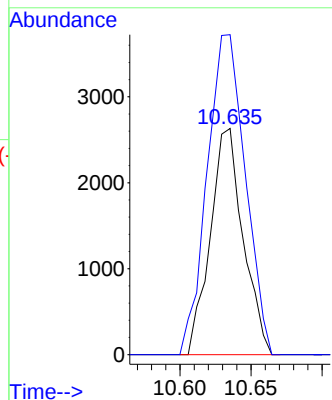
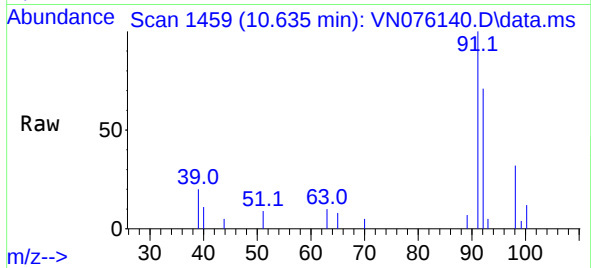




#52
Toluene
Concen: 0.482 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

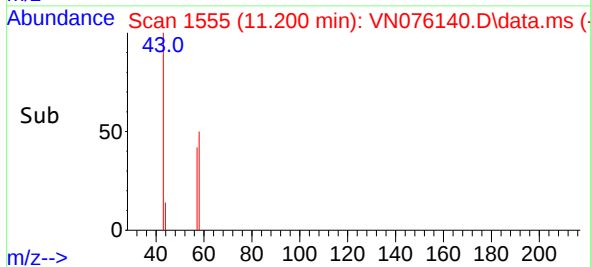
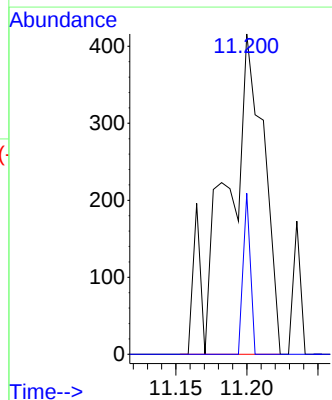
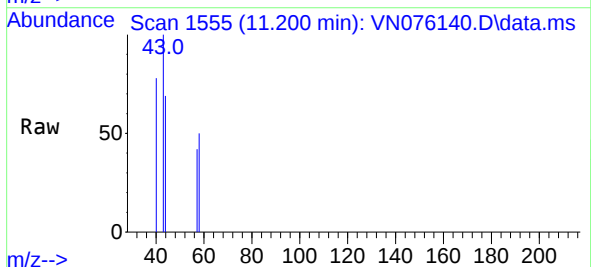
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

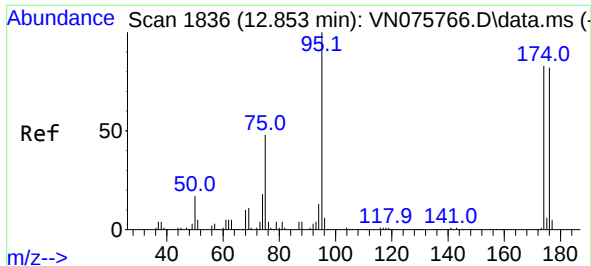
Tgt Ion: 92 Resp: 4234
Ion Ratio Lower Upper
92 100
91 164.3 137.3 205.9



#59
2-Hexanone
Concen: 0.305 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 43 Resp: 778
Ion Ratio Lower Upper
43 100
58 9.5 30.6 92.0#

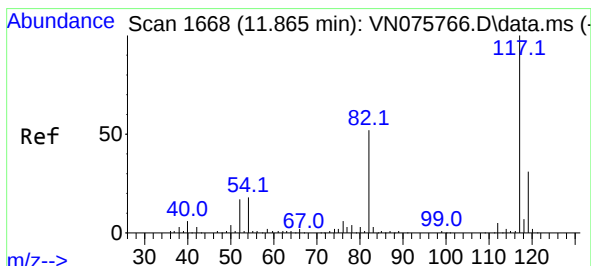
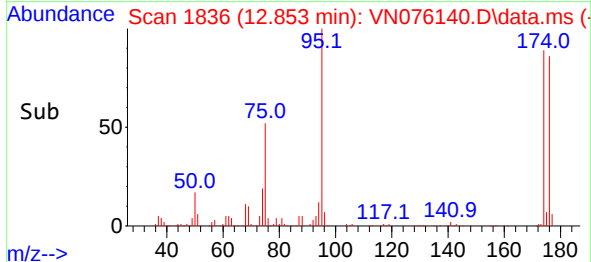
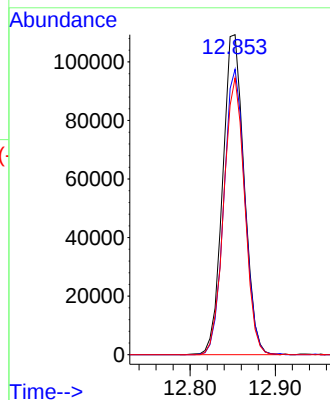
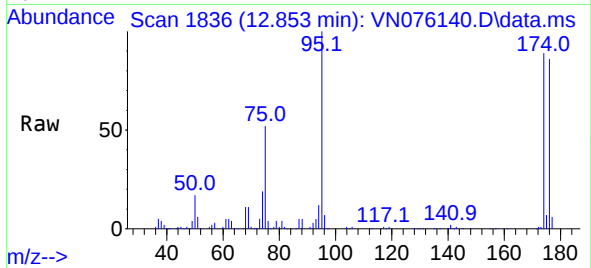




#62
4-Bromofluorobenzene
Concen: 47.013 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

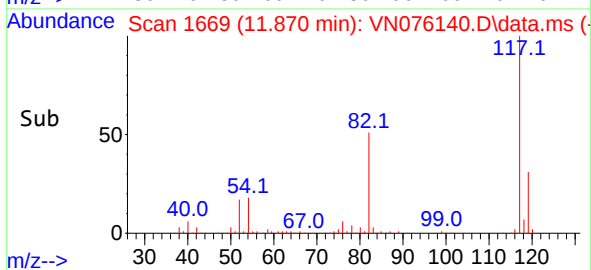
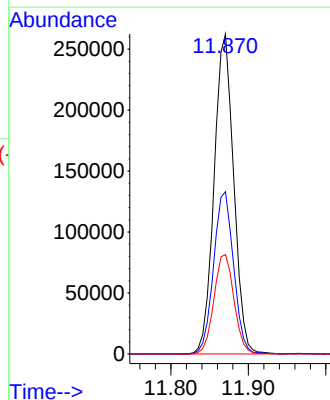
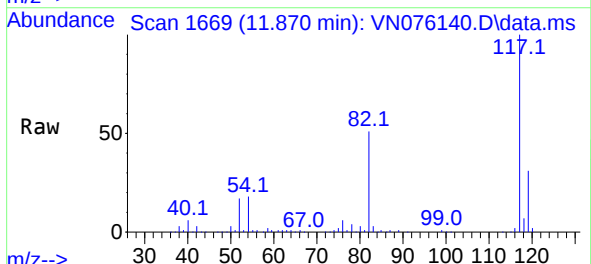
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

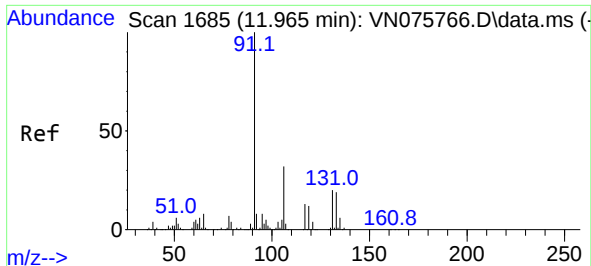
Tgt Ion: 95 Resp: 191396
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 84.0 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 117 Resp: 460641
Ion Ratio Lower Upper
117 100
82 50.7 41.3 61.9
119 31.1 24.6 37.0

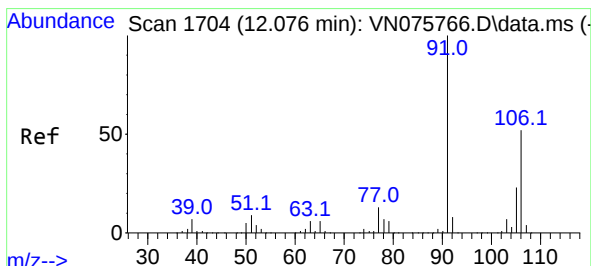
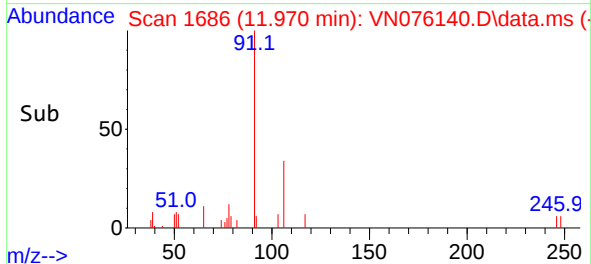
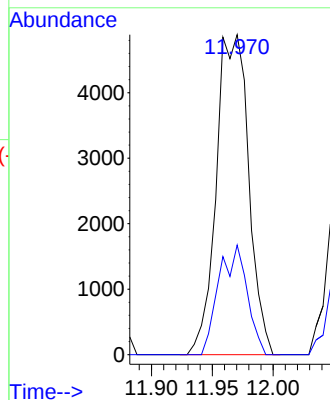
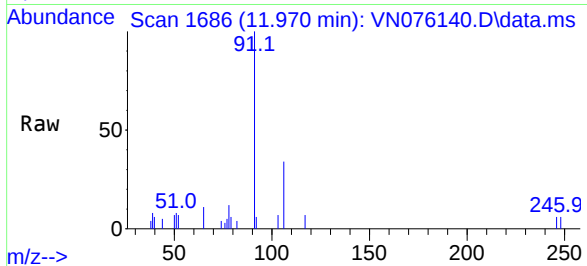




#67
Ethyl Benzene
Concen: 0.566 ug/l
RT: 11.970 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

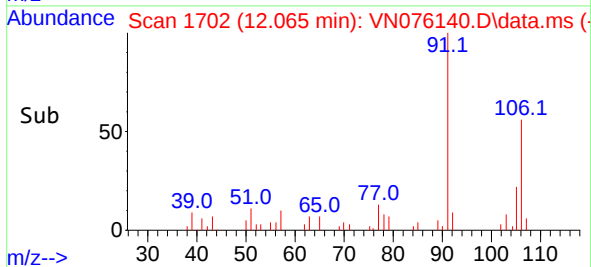
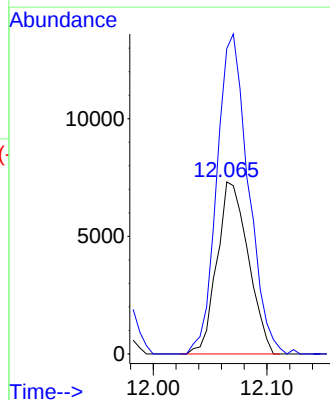
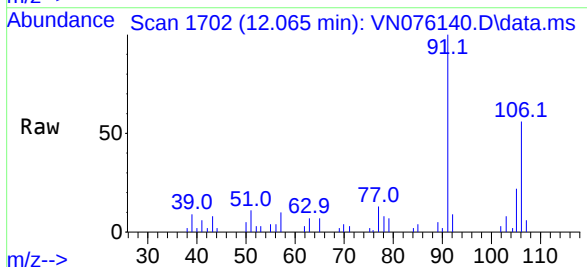
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

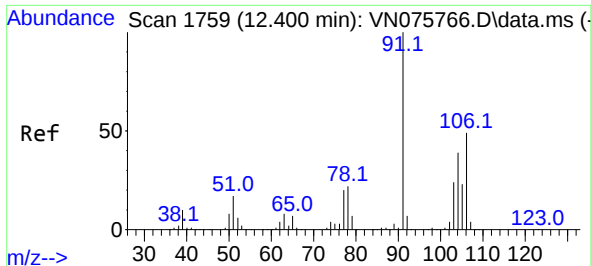
Tgt Ion: 91 Resp: 9039
Ion Ratio Lower Upper
91 100
106 34.3 25.7 38.5



#68
m/p-Xylenes
Concen: 2.212 ug/l
RT: 12.065 min Scan# 1702
Delta R.T. -0.012 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 106 Resp: 13972
Ion Ratio Lower Upper
106 100
91 187.9 156.6 235.0

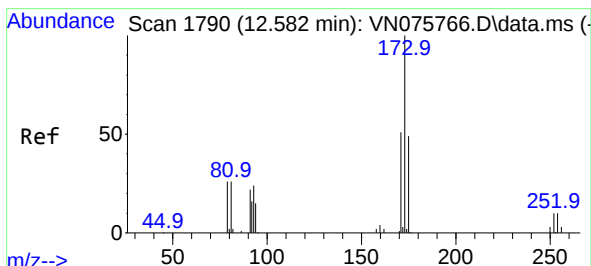
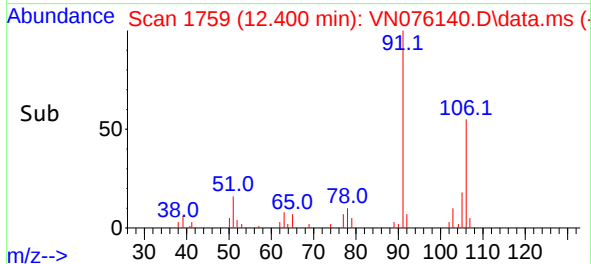
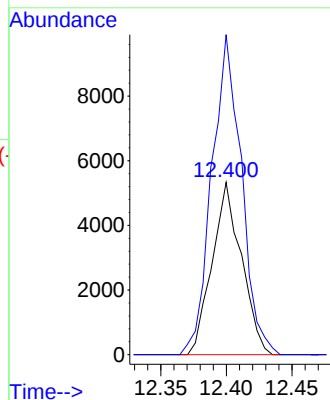
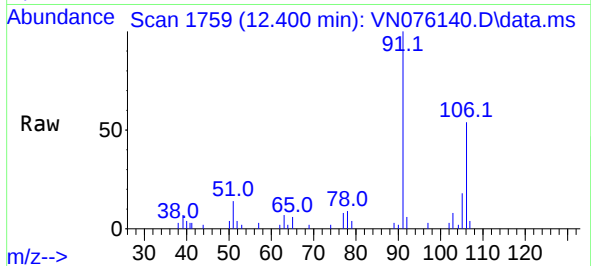




#69
o-Xylene
Concen: 1.328 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

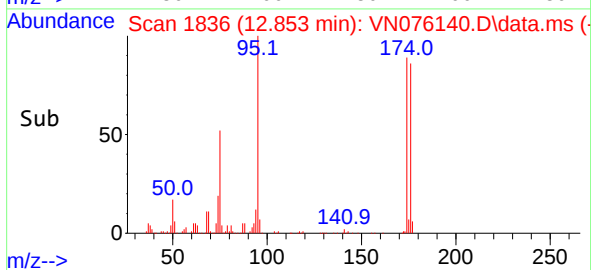
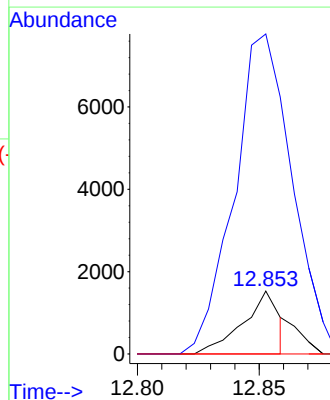
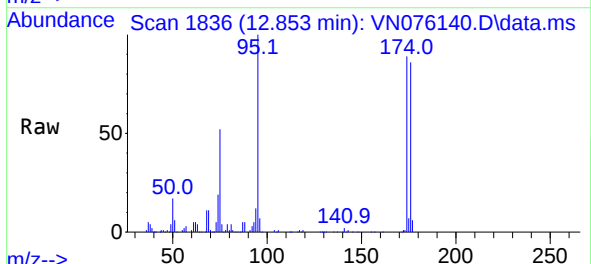
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

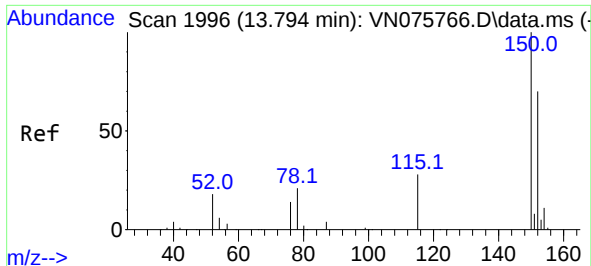
Tgt Ion:106 Resp: 8301
Ion Ratio Lower Upper
106 100
91 187.4 103.8 311.6



#71
Bromoform
Concen: 0.621 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion:173 Resp: 1582
Ion Ratio Lower Upper
173 100
175 660.0 24.3 72.8#
254 0.0 0.0 0.0

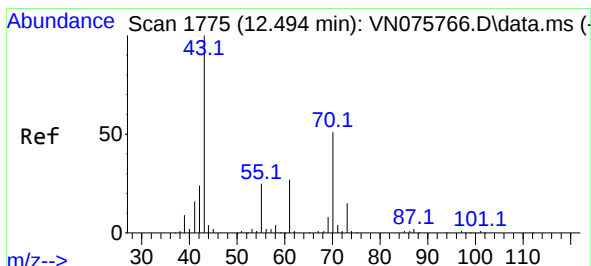
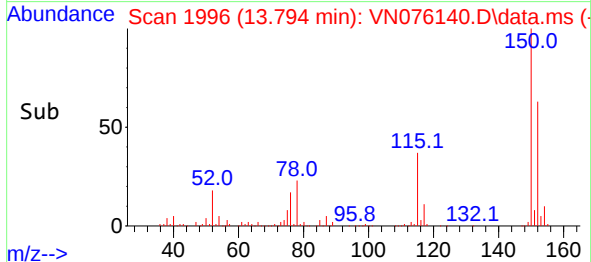
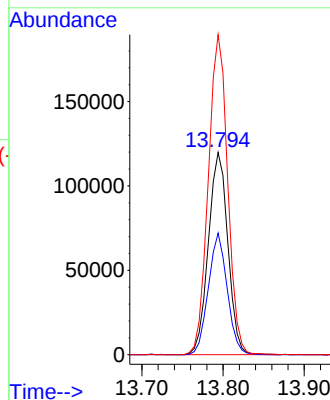
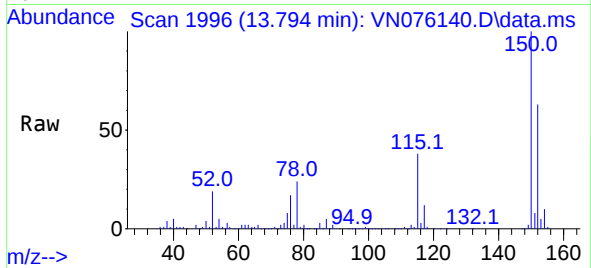




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

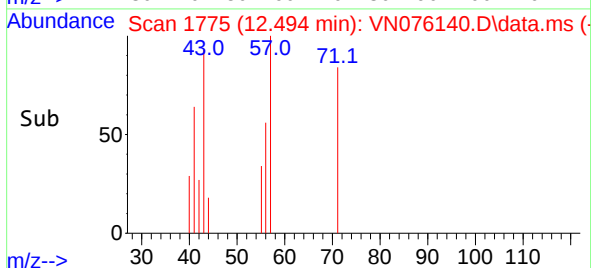
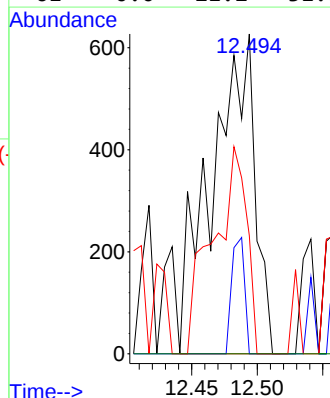
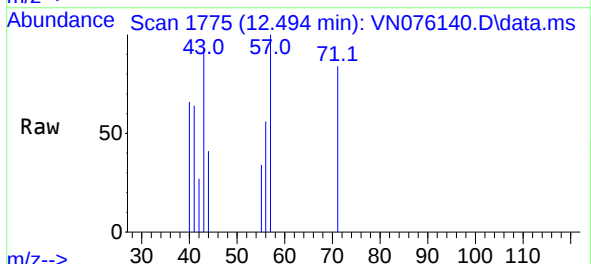
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

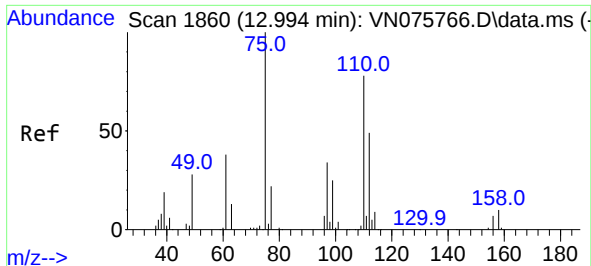
Tgt Ion:152 Resp: 199861
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.4
150 157.1 0.0 347.0



#74
N-ethyl acetate
Concen: 0.338 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 43 Resp: 1434
Ion Ratio Lower Upper
43 100
70 10.7 41.4 62.0#
55 50.8 21.3 31.9#
61 0.0 21.2 31.8#

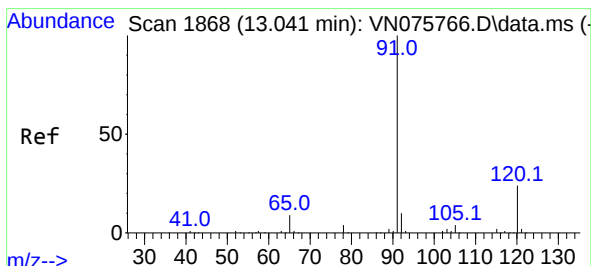
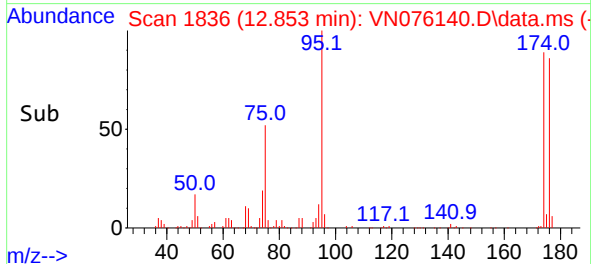
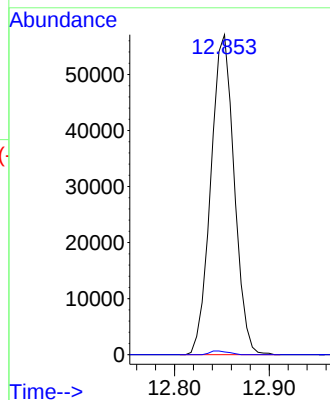
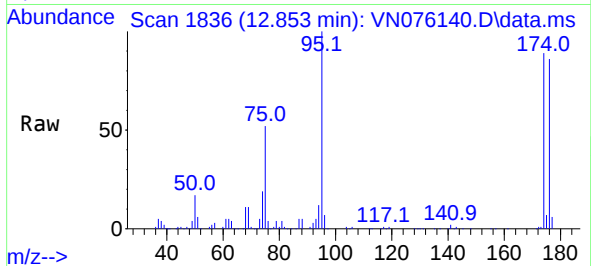




#76
1,2,3-Trichloropropane
Concen: 24.277 ug/l
RT: 12.853 min Scan# 1860
Delta R.T. -0.141 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

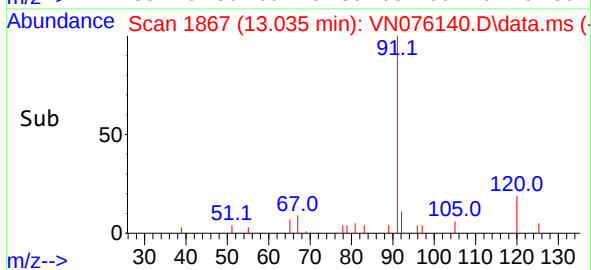
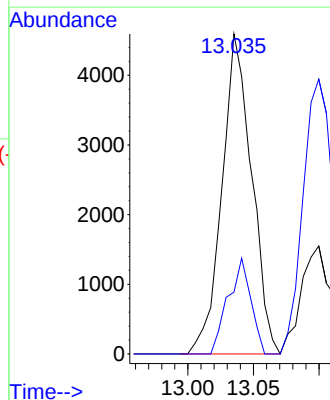
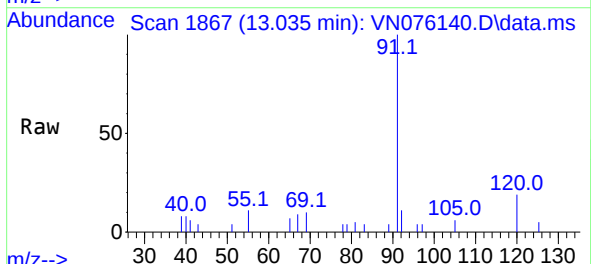
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

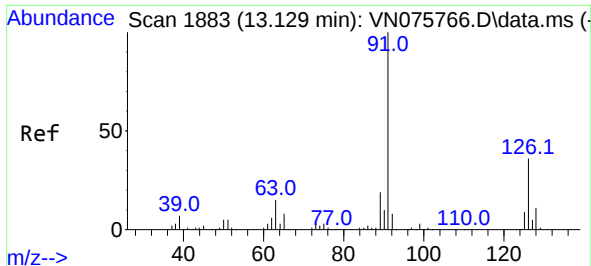
Tgt Ion: 75 Resp: 97806
Ion Ratio Lower Upper
75 100
77 0.9 82.6 247.8#



#78
n-propylbenzene
Concen: 0.453 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 91 Resp: 7223
Ion Ratio Lower Upper
91 100
120 22.8 12.0 36.1

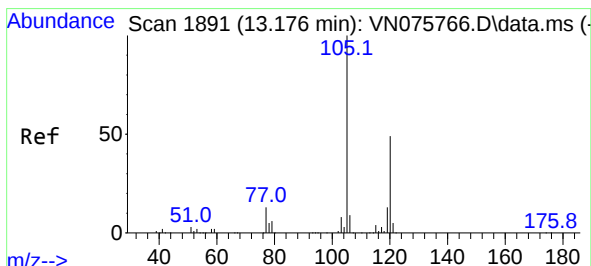
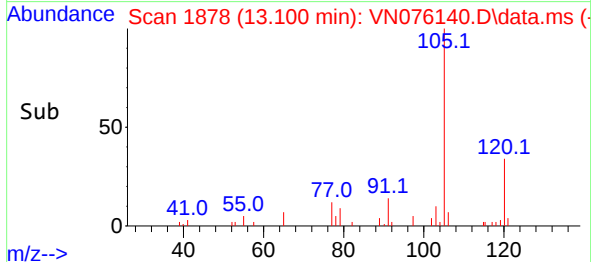
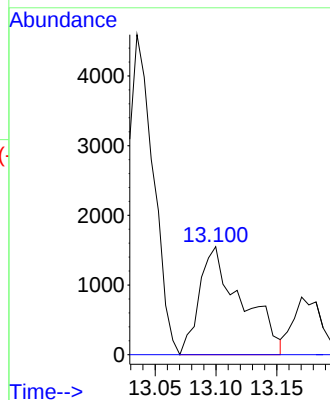
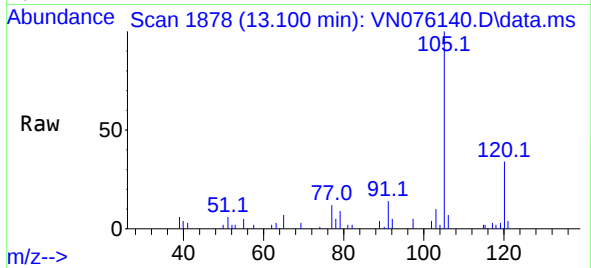




#79
2-Chlorotoluene
Concen: 0.379 ug/l
RT: 13.100 min Scan# 1878
Delta R.T. -0.030 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

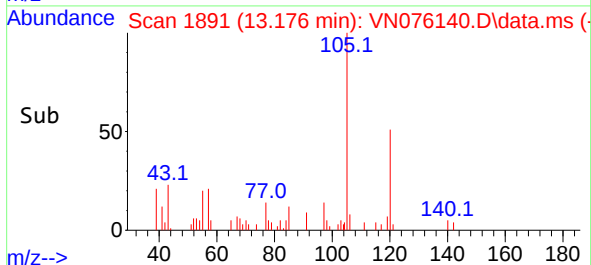
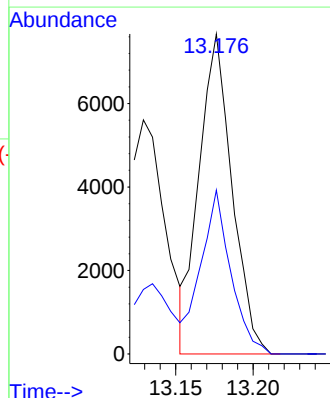
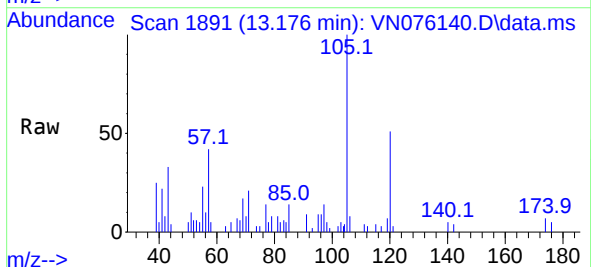
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

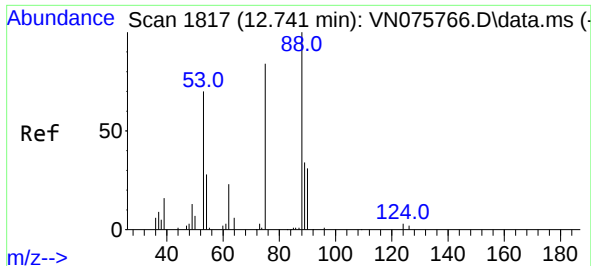
Tgt Ion: 91 Resp: 3773
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.935 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 105 Resp: 11298
Ion Ratio Lower Upper
105 100
120 46.8 24.7 74.1

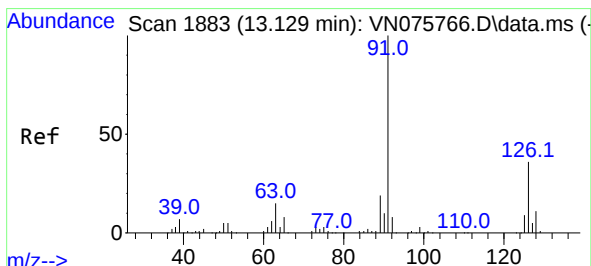
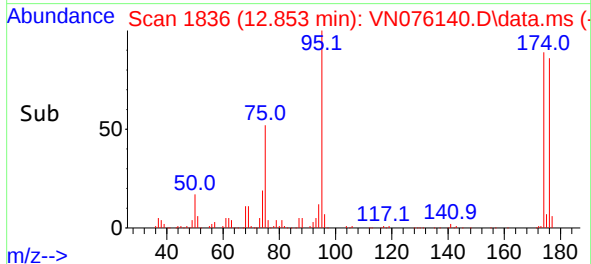
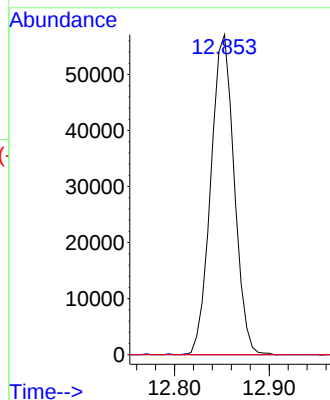
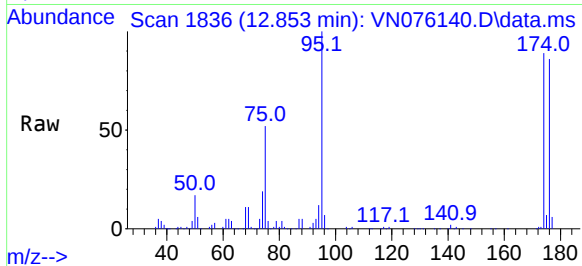




#81
trans-1,4-Dichloro-2-butene
Concen: 87.386 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

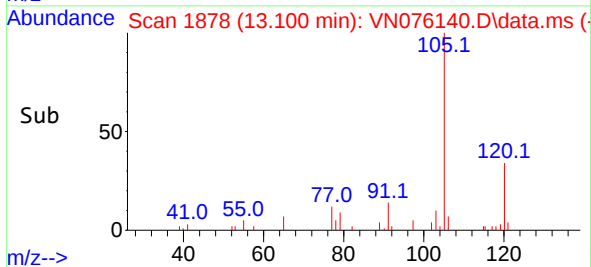
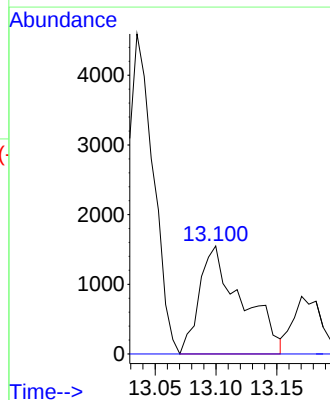
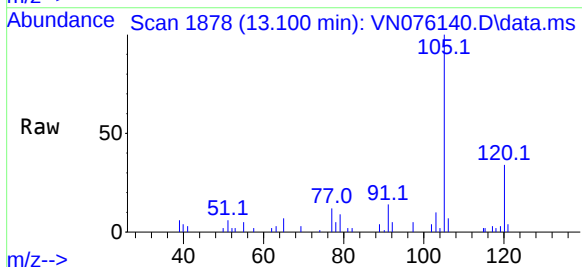
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

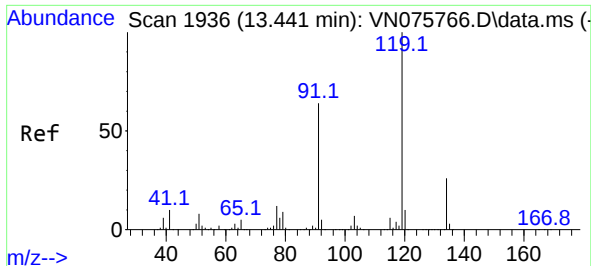
Tgt Ion: 75 Resp: 97806
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#82
4-Chlorotoluene
Concen: 0.379 ug/l
RT: 13.100 min Scan# 1878
Delta R.T. -0.030 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 91 Resp: 3773
Ion Ratio Lower Upper
91 100
126 0.0 17.5 52.5#

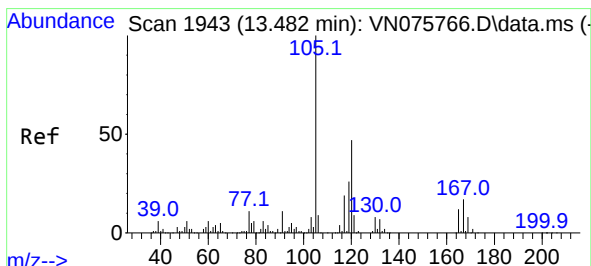
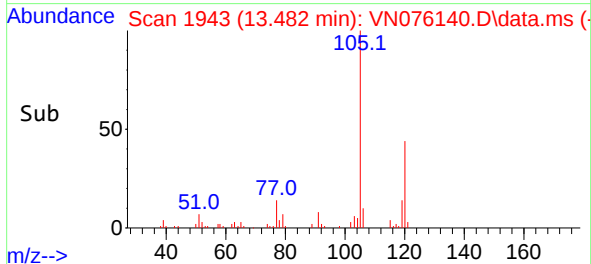
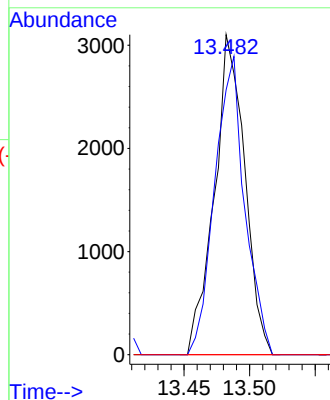
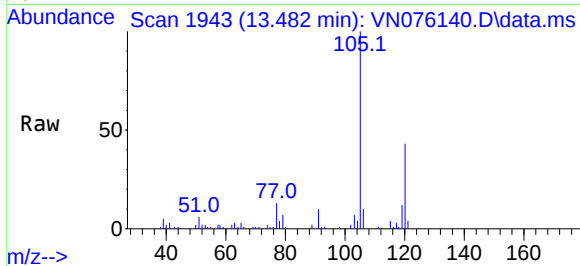




#83
tert-Butylbenzene
Concen: 0.469 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.041 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

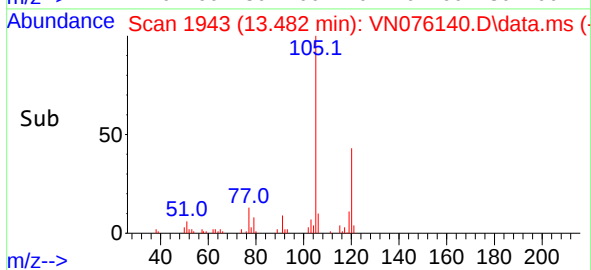
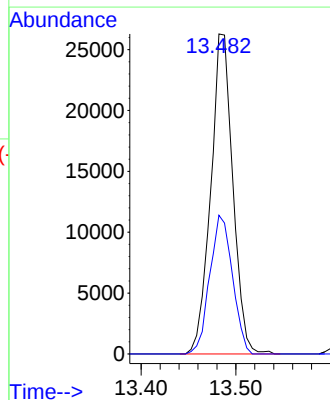
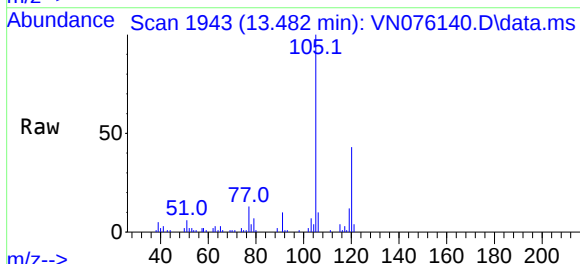
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

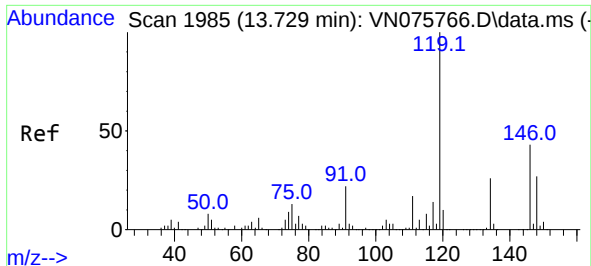
Tgt Ion:119 Resp: 5002
Ion Ratio Lower Upper
119 100
91 92.2 31.9 95.5
134 0.0 13.8 41.4#



#84
1,2,4-Trimethylbenzene
Concen: 3.559 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion:105 Resp: 42684
Ion Ratio Lower Upper
105 100
120 44.4 23.3 69.8

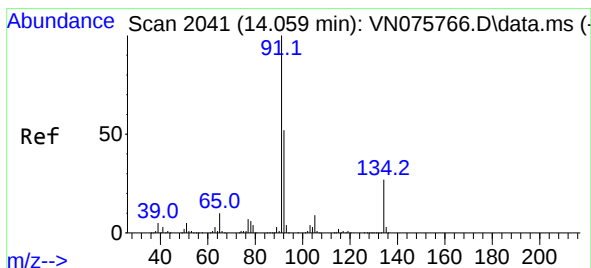
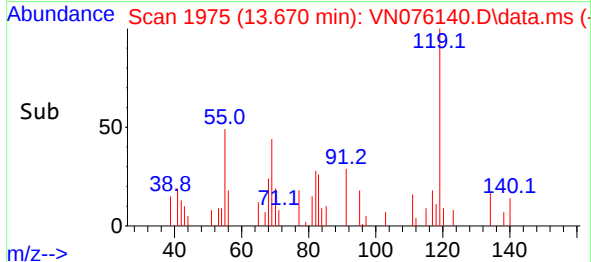
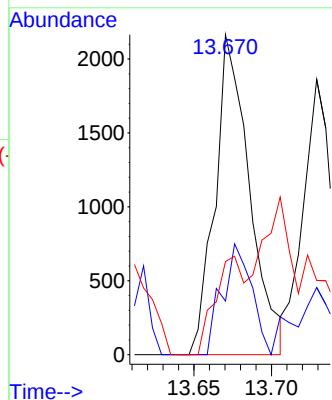
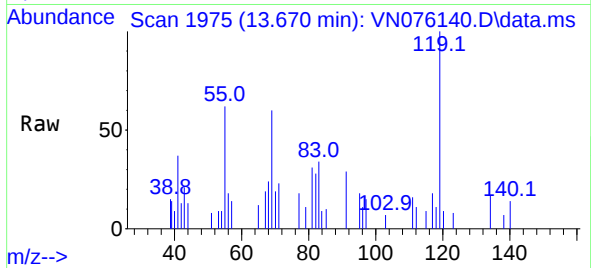




#86
p-Isopropyltoluene
Concen: 0.274 ug/l
RT: 13.670 min Scan# 1985
Delta R.T. -0.059 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

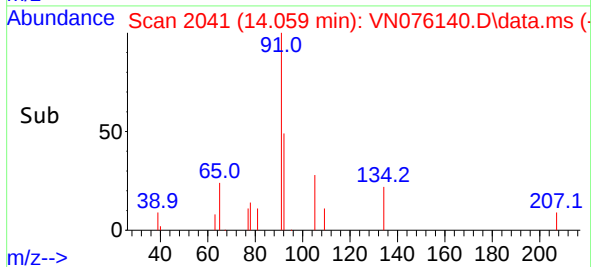
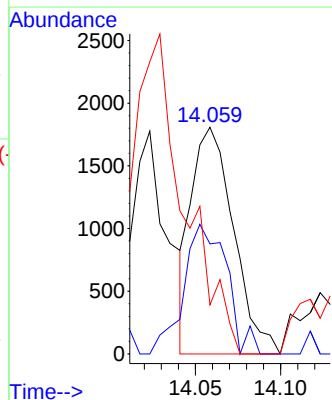
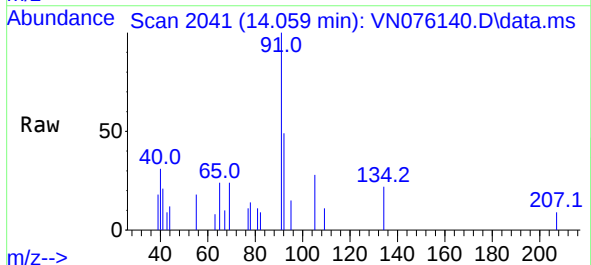
Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

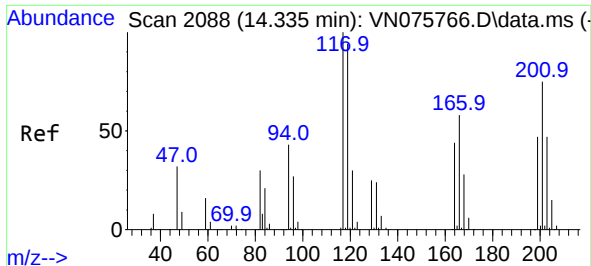
Tgt Ion:119 Resp: 3352
Ion Ratio Lower Upper
119 100
134 29.2 13.0 39.0
91 25.7 11.2 33.6



#89
n-Butylbenzene
Concen: 0.313 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion: 91 Resp: 3099
Ion Ratio Lower Upper
91 100
92 58.6 26.4 79.2
134 0.0 13.4 40.2#

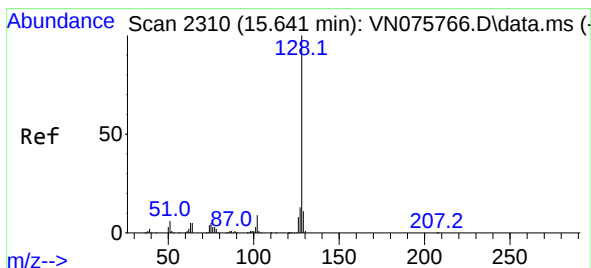
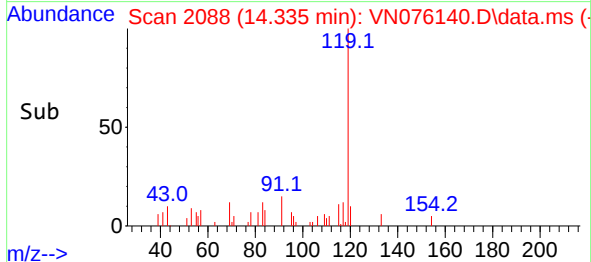
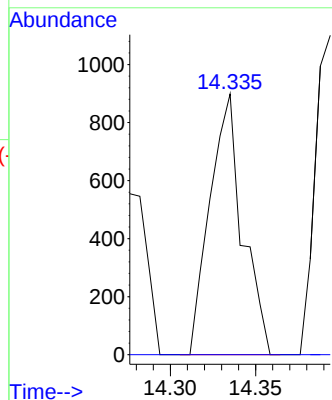
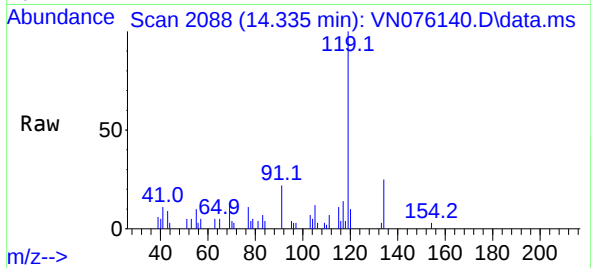




#90
Hexachloroethane
Concen: 0.548 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Instrument :
MSVOA_N
ClientSampleId :
TOTE-2

Tgt Ion:117 Resp: 1199
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.1#



#95
Naphthalene
Concen: 2.515 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076140.D
Acq: 06 Jan 2023 17:48

Tgt Ion:128 Resp: 3833
Ion Ratio Lower Upper
128 100
127 9.8 10.4 15.6#
129 8.8 8.7 13.1

