

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
 Data File : VN074765.D
 Acq On : 06 Oct 2022 02:27
 Operator : JC\MD
 Sample : PB148097ZHE#02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#02

Quant Time: Oct 06 07:48:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

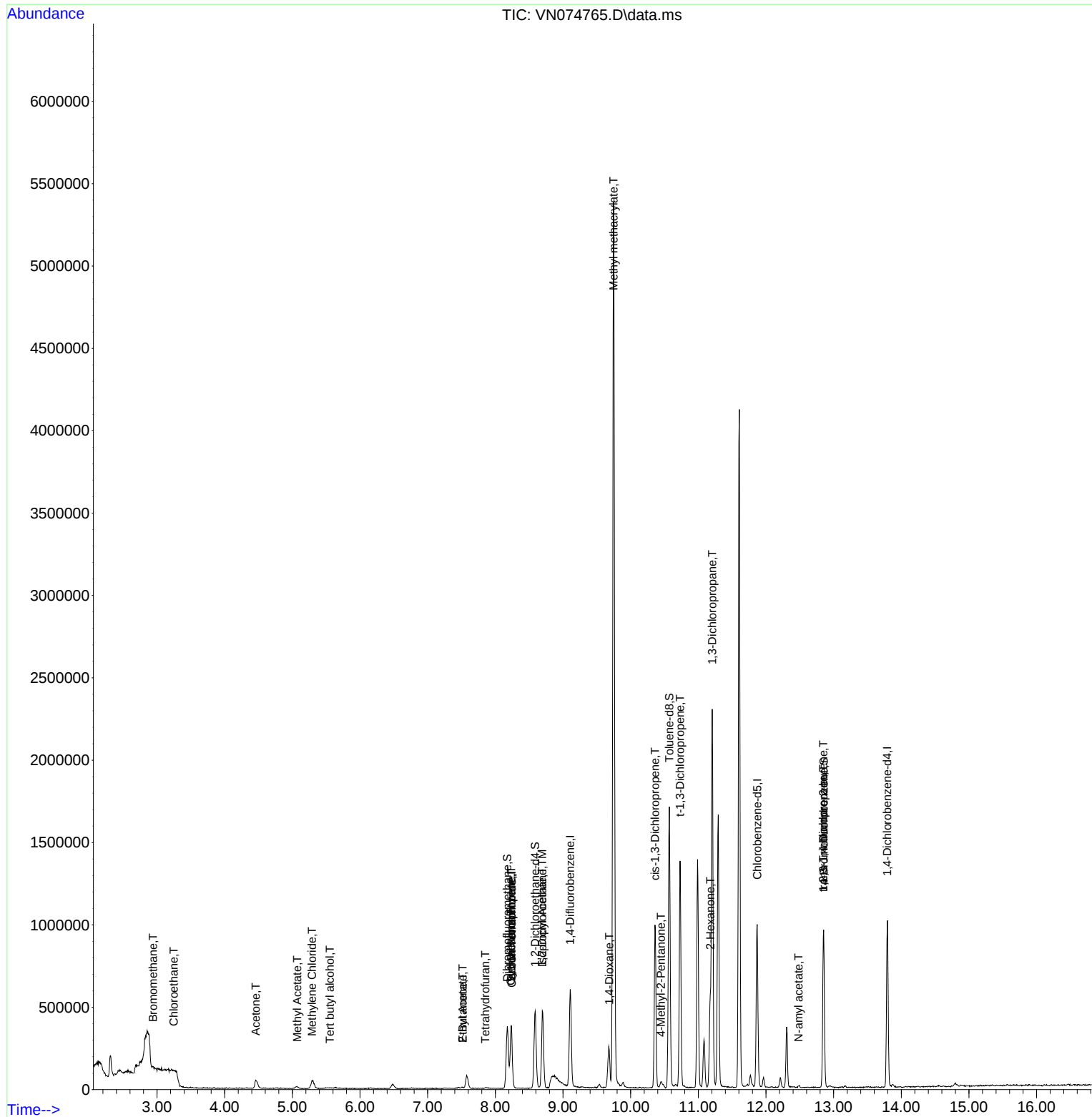
Internal Standards						
1) Pentafluorobenzene	8.235	168	258075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	512079	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	542985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	261592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	341393	55.830	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.660%			
35) Dibromofluoromethane	8.177	113	262429	50.722	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.440%			
50) Toluene-d8	10.571	98	1155369	52.043	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.853	95	309802	45.907	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.820%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.942	94	1990	0.290	ug/l #	3
6) Chloroethane	3.247	64	66325	9.198	ug/l #	51
11) Tert butyl alcohol	5.553	59	1592	0.777	ug/l #	74
13) Acrolein	4.200	56	328	Below Cal	#	1
16) Acetone	4.459	43	91753	26.478	ug/l	94
18) Methyl Acetate	5.071	43	29038	2.263	ug/l	91
20) Methylene Chloride	5.289	84	37741	4.840	ug/l #	78
25) 2-Butanone	7.518	43	12878	2.048	ug/l #	76
29) Tetrahydrofuran	7.853	42	6705	1.530	ug/l #	65
31) Cyclohexane	8.229	56	9012	0.853	ug/l #	24
36) 1,1-Dichloropropene	8.235	75	25059	2.992	ug/l #	48
37) Ethyl Acetate	7.518	43	12878	0.383	ug/l #	86
38) Carbon Tetrachloride	8.241	117	28068	3.554	ug/l #	18
42) 1,2-Dichloroethane	8.694	62	2682	0.315	ug/l	93
43) Isopropyl Acetate	8.694	43	555480	26.760	ug/l #	92
48) Methyl methacrylate	9.747	41	473830	55.600	ug/l #	80
49) 1,4-Dioxane	9.682	88	155	0.839	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	43278	3.238	ug/l #	70
53) t-1,3-Dichloropropene	10.729	75	2206	0.210	ug/l	93
54) cis-1,3-Dichloropropene	10.359	75	176306	15.574	ug/l #	62
57) 1,3-Dichloropropane	11.206	76	22863	1.937	ug/l #	43
59) 2-Hexanone	11.176	43	428708	42.401	ug/l #	24
74) N-amyl acetate	12.482	43	4524	0.297	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.941	83	189	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.847	75	179574	22.999	ug/l #	1
77) Bromobenzene	13.006	156	64	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	179574	44.811	ug/l #	14
96) 1,2,3-Trichlorobenzene	15.947	180	168	Below Cal	#	12

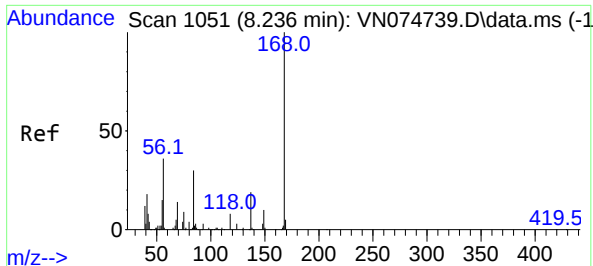
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100522\
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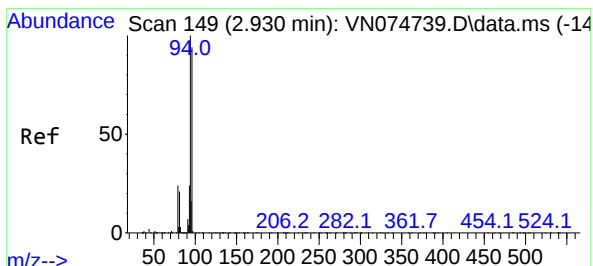
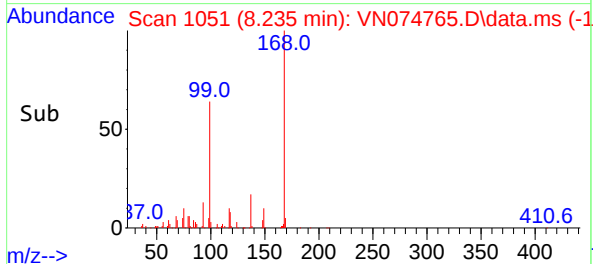
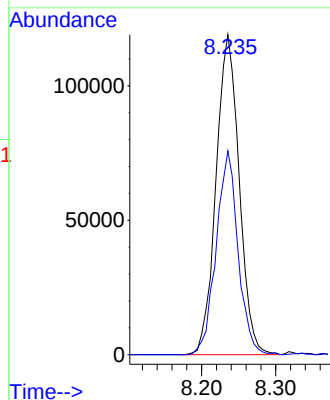
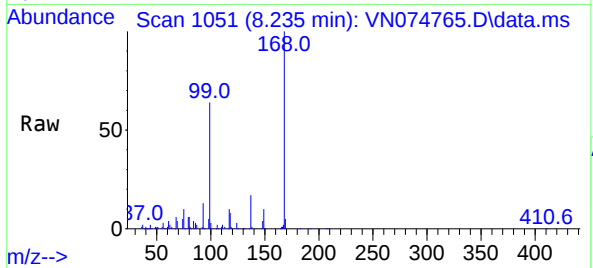




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

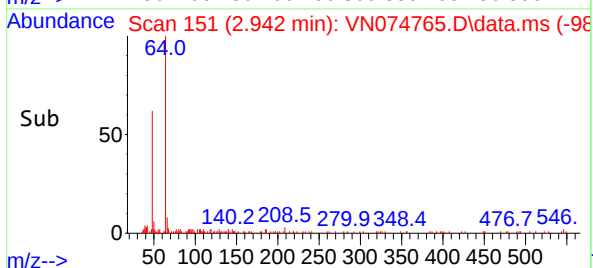
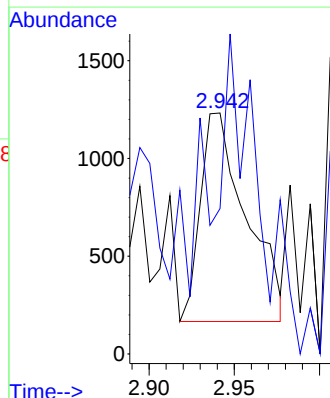
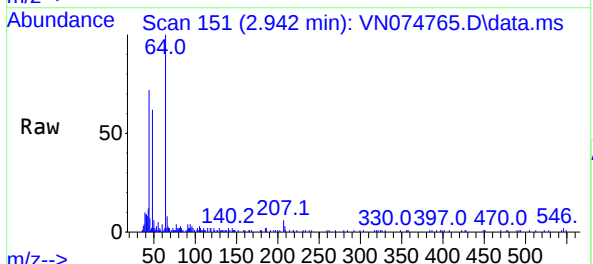
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

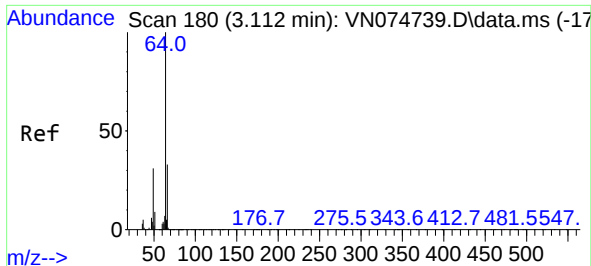
Tgt Ion:168 Resp: 258075
Ion Ratio Lower Upper
168 100
99 63.7 42.8 64.2



#5
Bromomethane
Concen: 0.290 ug/l
RT: 2.942 min Scan# 151
Delta R.T. 0.012 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 94 Resp: 1990
Ion Ratio Lower Upper
94 100
96 0.0 75.0 112.6#

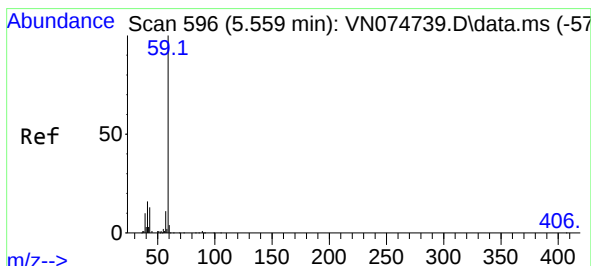
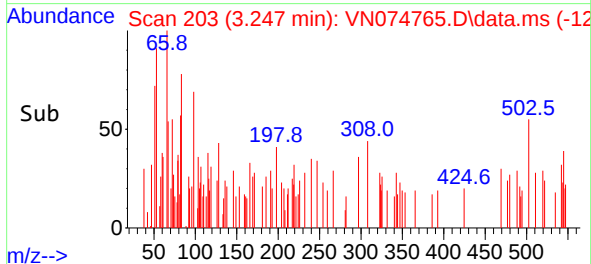
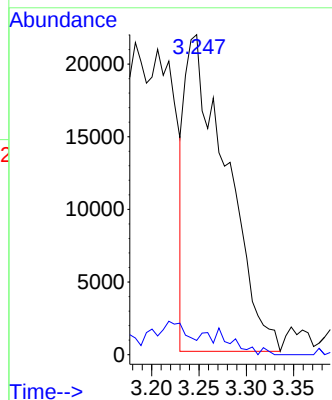
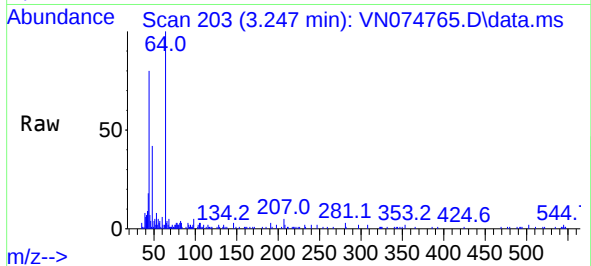




#6
Chloroethane
Concen: 9.198 ug/l
RT: 3.247 min Scan# 20
Delta R.T. 0.135 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

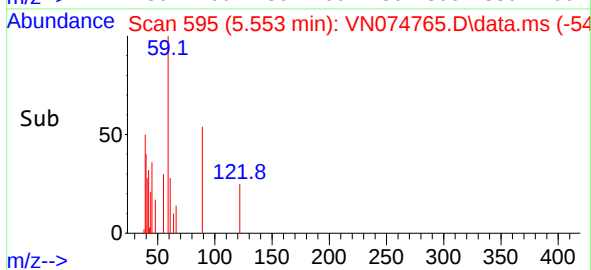
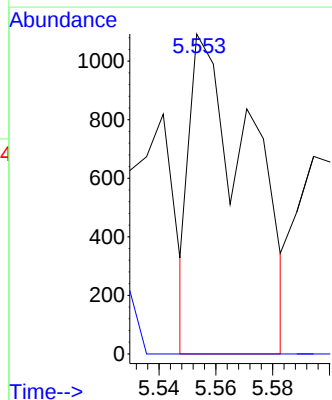
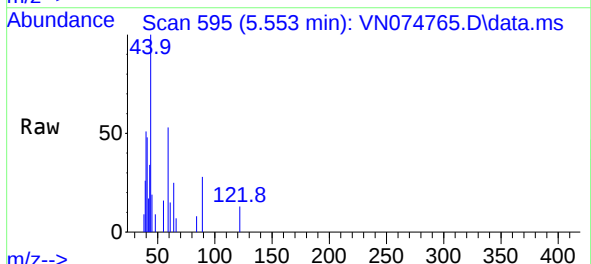
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

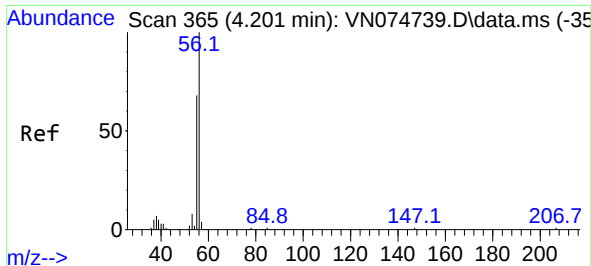
Tgt Ion: 64 Resp: 66325
Ion Ratio Lower Upper
64 100
66 4.5 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.777 ug/l
RT: 5.553 min Scan# 595
Delta R.T. -0.006 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 59 Resp: 1592
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

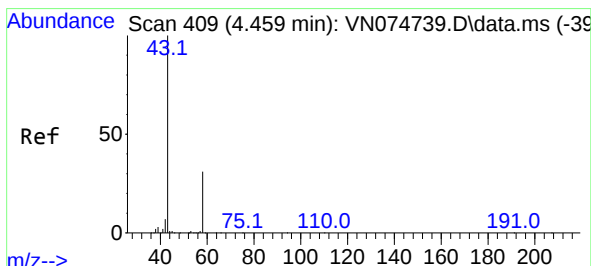
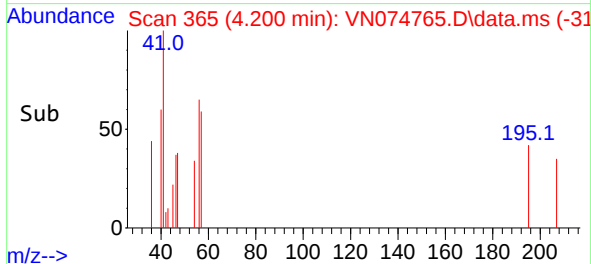
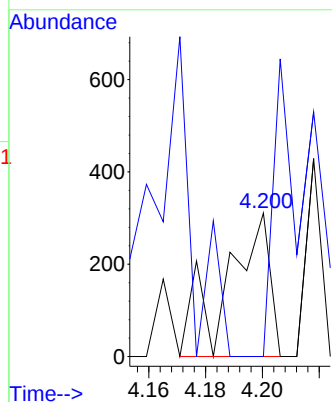
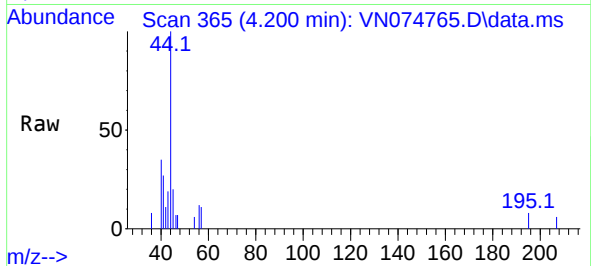




#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 30
Delta R.T. -0.001 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

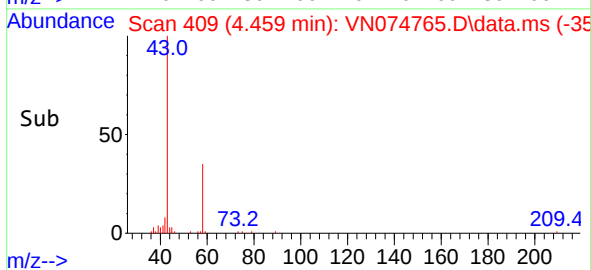
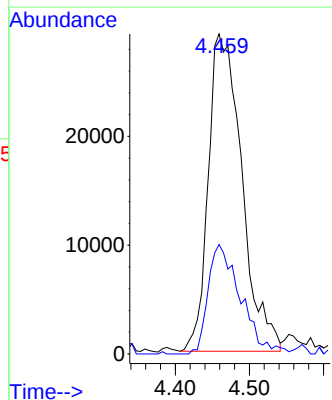
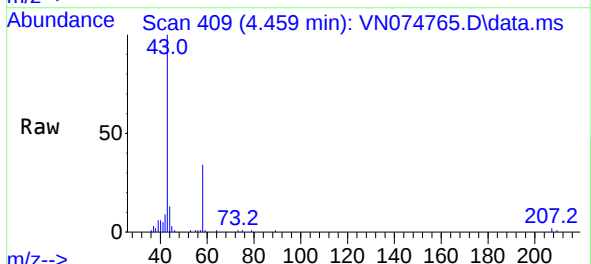
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

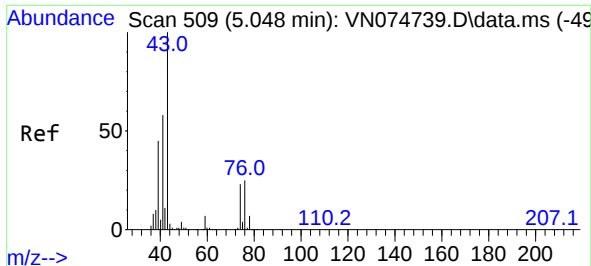
Tgt Ion: 56 Resp: 328
Ion Ratio Lower Upper
56 100
55 224.1 54.9 82.3#



#16
Acetone
Concen: 26.478 ug/l
RT: 4.459 min Scan# 409
Delta R.T. -0.000 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 43 Resp: 91753
Ion Ratio Lower Upper
43 100
58 34.5 24.9 37.3

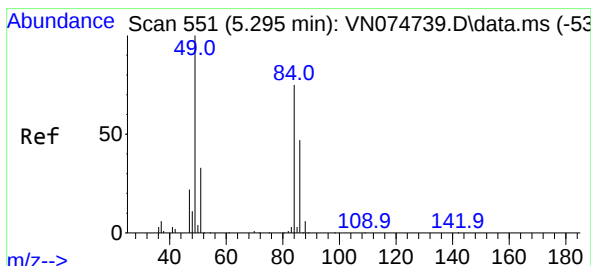
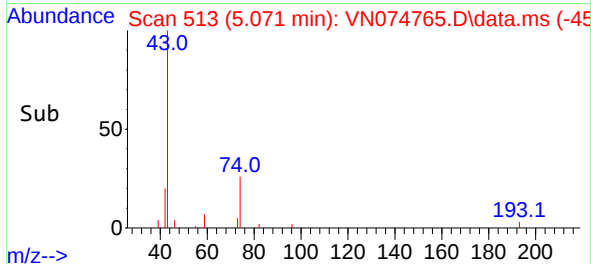
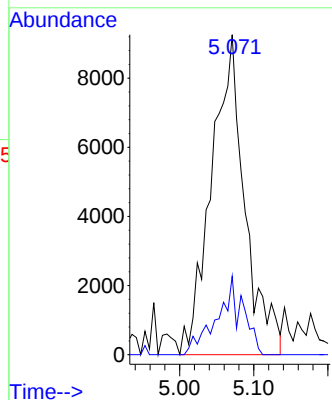
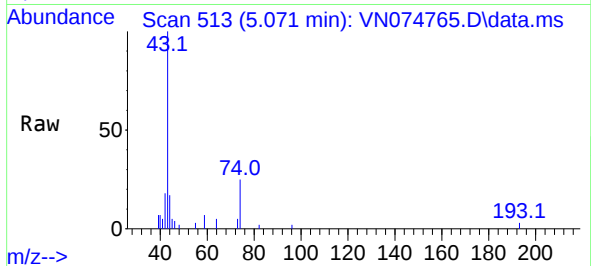




#18
Methyl Acetate
Concen: 2.263 ug/l
RT: 5.071 min Scan# 513
Delta R.T. 0.023 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

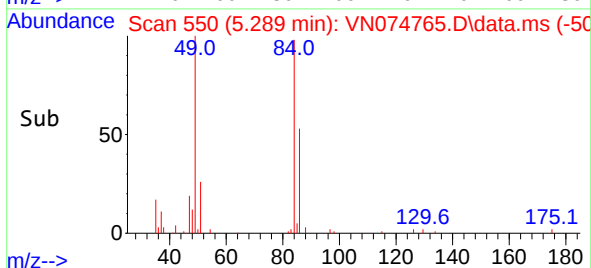
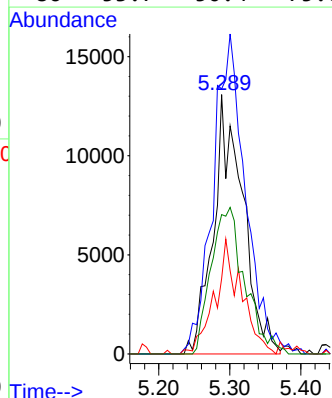
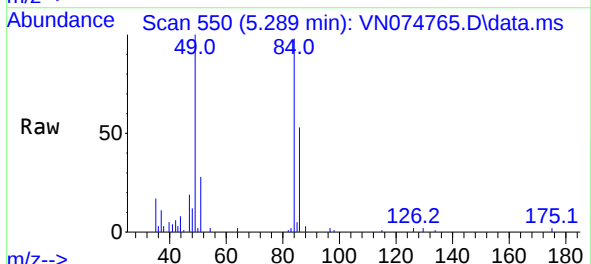
Instrument :
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ClientSampleId :
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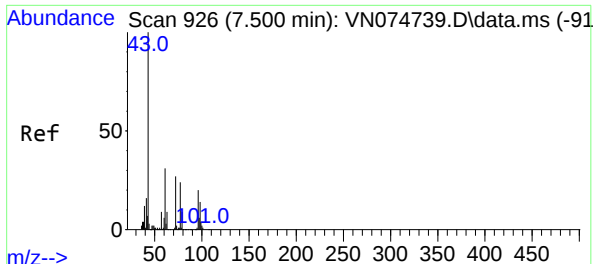
Tgt Ion: 43 Resp: 29038
Ion Ratio Lower Upper
43 100
74 19.0 18.5 27.7



#20
Methylene Chloride
Concen: 4.840 ug/l
RT: 5.289 min Scan# 550
Delta R.T. -0.006 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 84 Resp: 37741
Ion Ratio Lower Upper
84 100
49 102.2 107.4 161.0#
51 29.0 35.1 52.7#
86 53.7 50.4 75.6

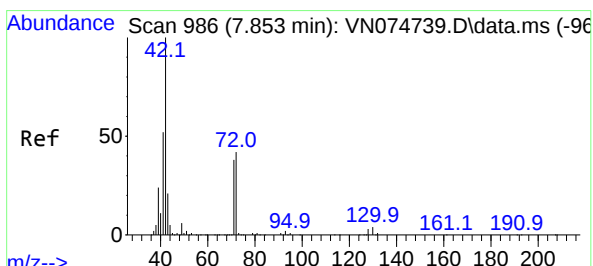
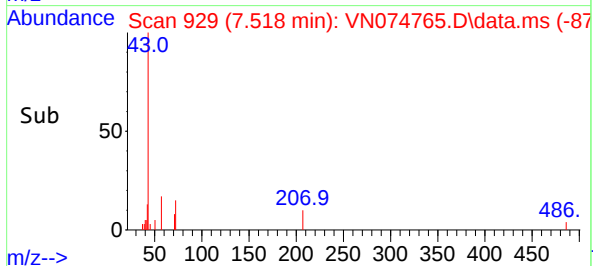
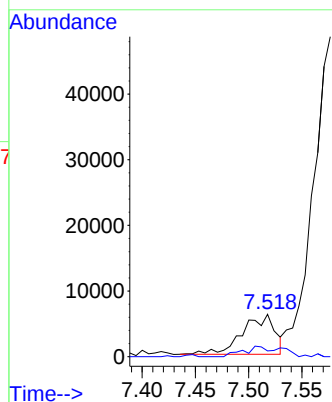
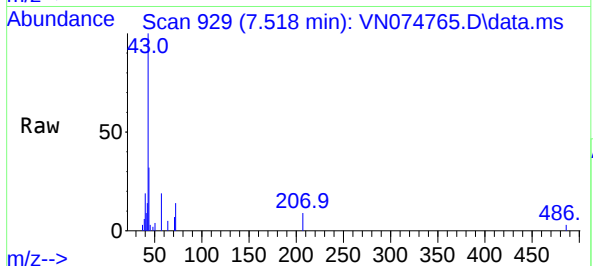




#25
2-Butanone
Concen: 2.048 ug/l
RT: 7.518 min Scan# 91
Delta R.T. 0.017 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

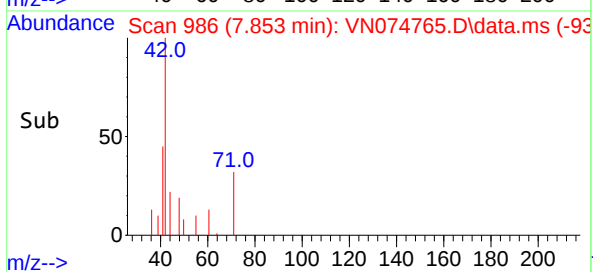
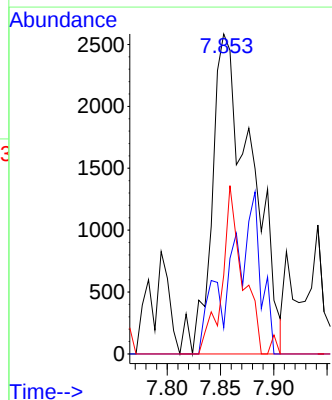
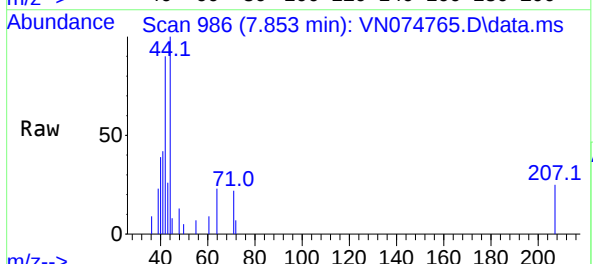
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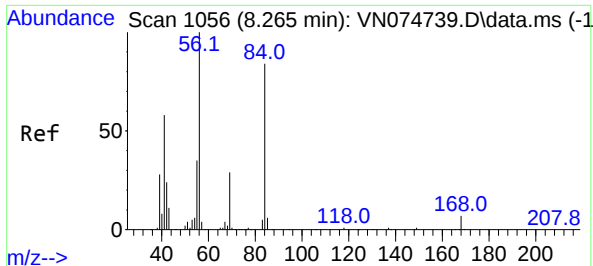
Tgt Ion: 43 Resp: 12878
Ion Ratio Lower Upper
43 100
72 14.6 21.4 32.0#



#29
Tetrahydrofuran
Concen: 1.530 ug/l
RT: 7.853 min Scan# 986
Delta R.T. -0.000 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 42 Resp: 6705
Ion Ratio Lower Upper
42 100
72 9.2 33.0 49.6#
71 27.1 30.4 45.6#





#31

Cyclohexane

Concen: 0.853 ug/l

RT: 8.229 min Scan# 11050

Delta R.T. -0.036 min

Lab File: VN074765.D

Acq: 06 Oct 2022 02:27

Instrument :

MSVOA_N

ClientSampleId :

PB148097ZHE#02

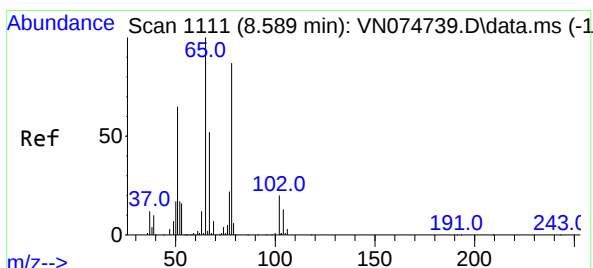
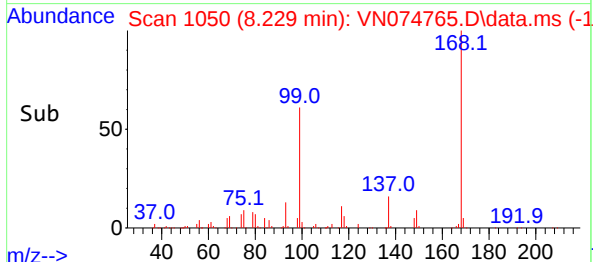
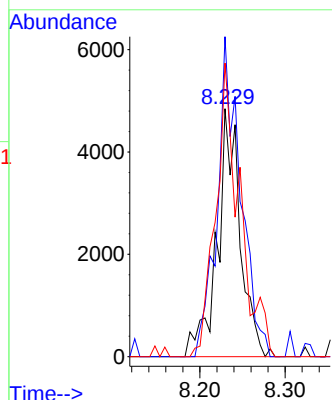
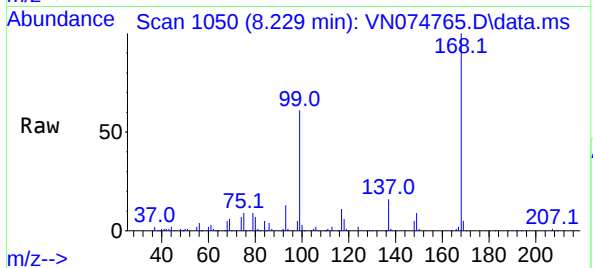
Tgt Ion: 56 Resp: 9012

Ion Ratio Lower Upper

56 100

69 129.0 23.1 34.7#

84 118.4 67.1 100.7#



#33

1,2-Dichloroethane-d4

Concen: 55.830 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074765.D

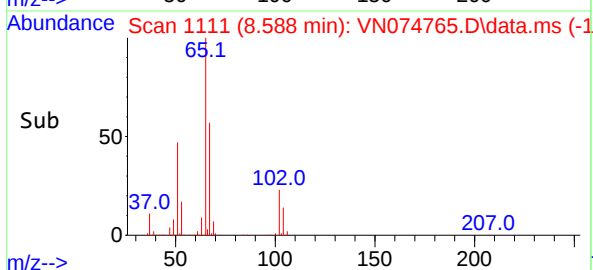
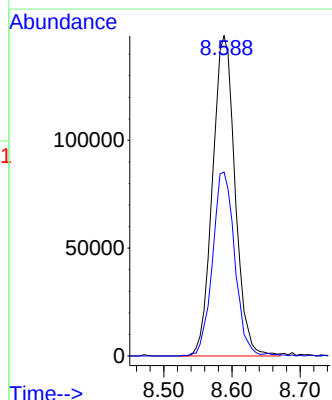
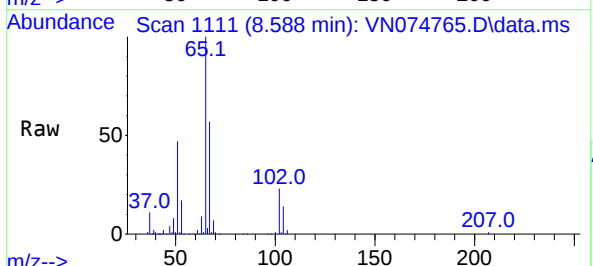
Acq: 06 Oct 2022 02:27

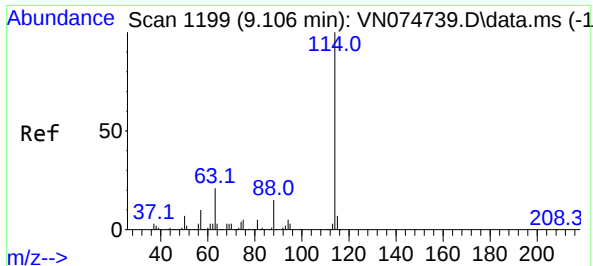
Tgt Ion: 65 Resp: 341393

Ion Ratio Lower Upper

65 100

67 56.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN074765.D

Acq: 06 Oct 2022 02:27

Instrument :

MSVOA_N

ClientSampleId :

PB148097ZHE#02

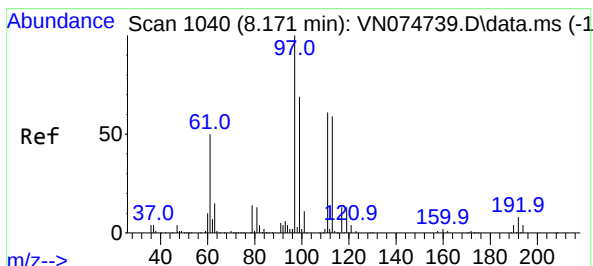
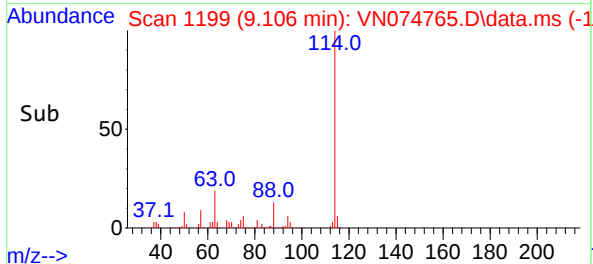
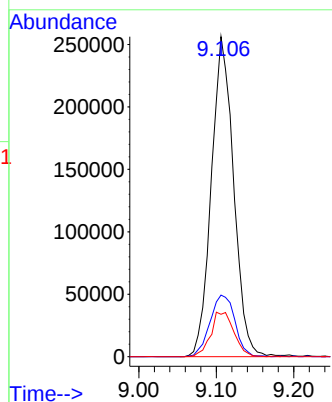
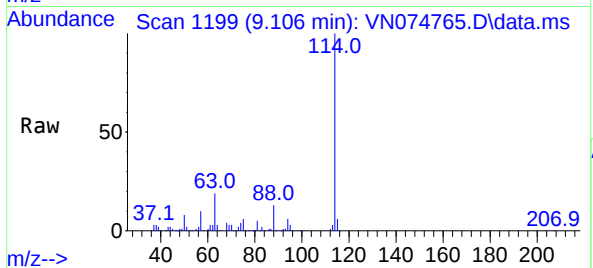
Tgt Ion:114 Resp: 512079

Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.2

88 13.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.722 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN074765.D

Acq: 06 Oct 2022 02:27

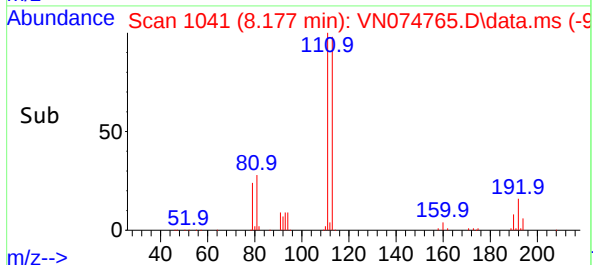
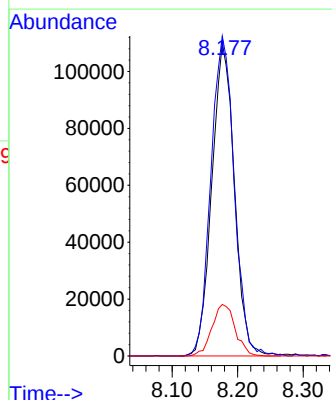
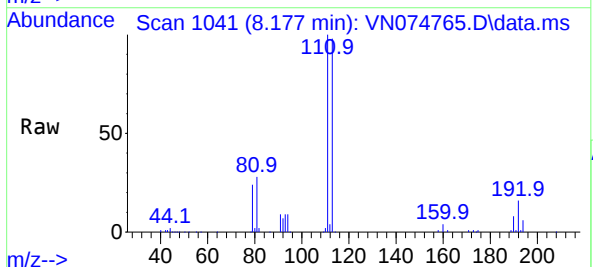
Tgt Ion:113 Resp: 262429

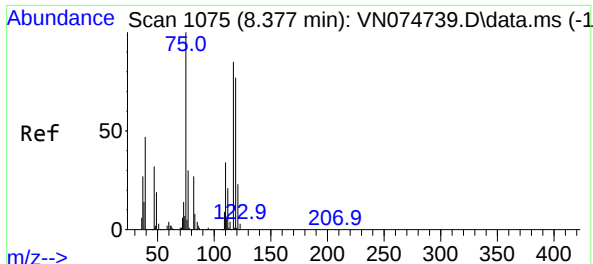
Ion Ratio Lower Upper

113 100

111 105.7 83.0 124.6

192 17.0 12.6 18.8

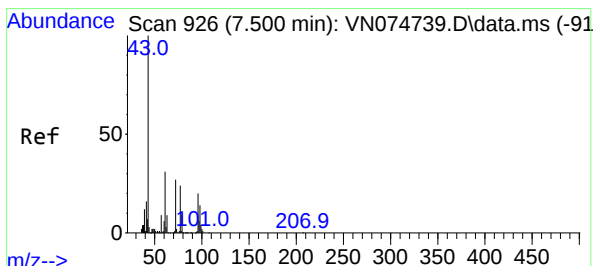
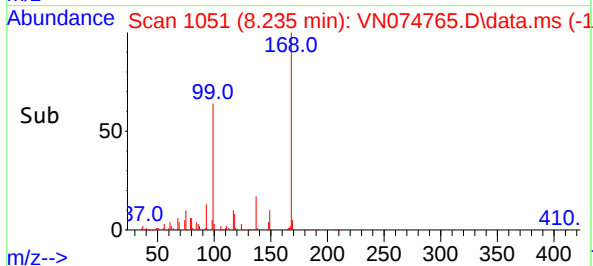
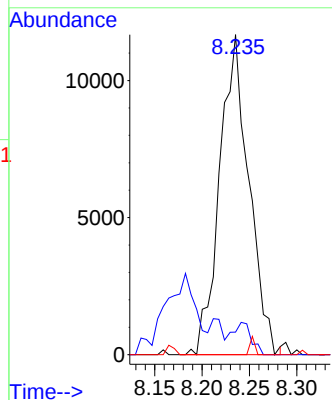
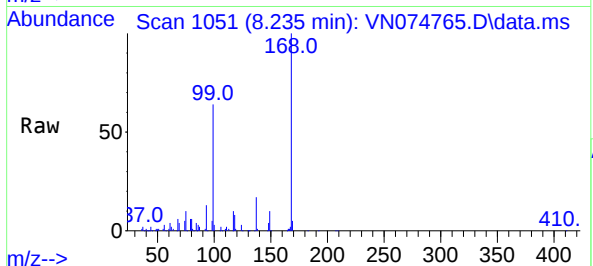




#36
1,1-Dichloropropene
Concen: 2.992 ug/l
RT: 8.235 min Scan# 1075
Delta R.T. -0.141 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

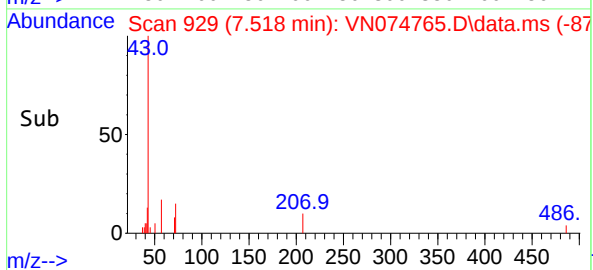
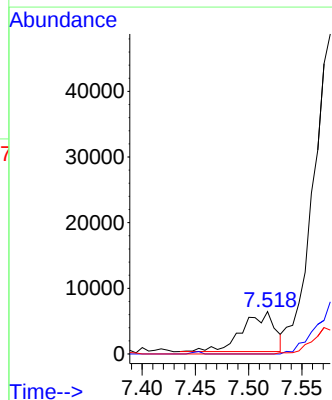
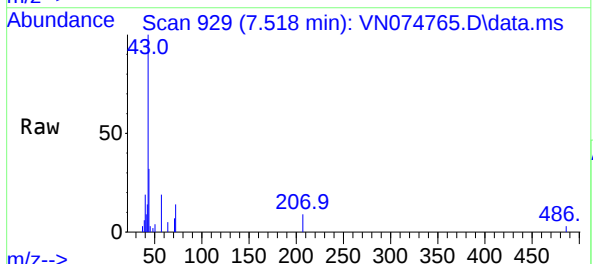
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

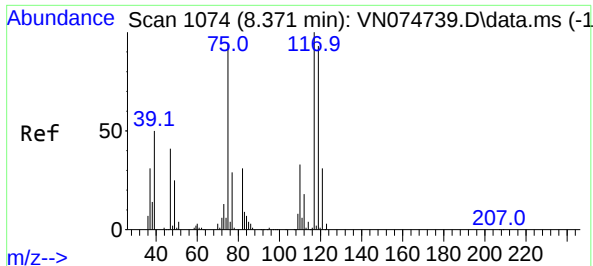
Tgt Ion: 75 Resp: 25059
Ion Ratio Lower Upper
75 100
110 5.5 17.2 51.5#
77 0.9 24.3 36.5#



#37
Ethyl Acetate
Concen: 0.383 ug/l
RT: 7.518 min Scan# 929
Delta R.T. 0.017 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 43 Resp: 12878
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#

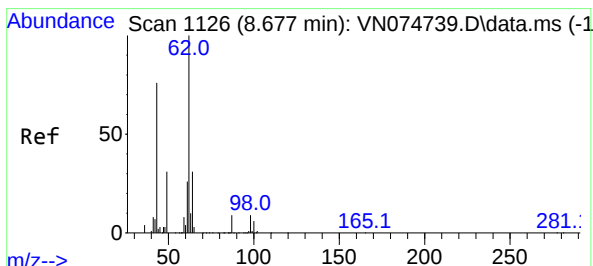
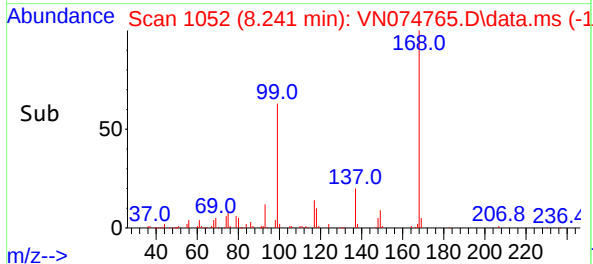
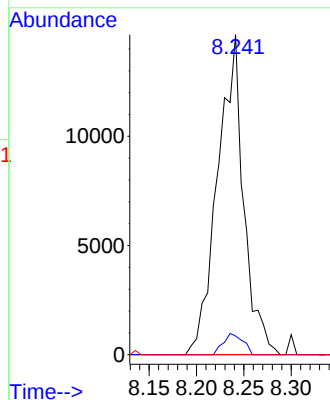
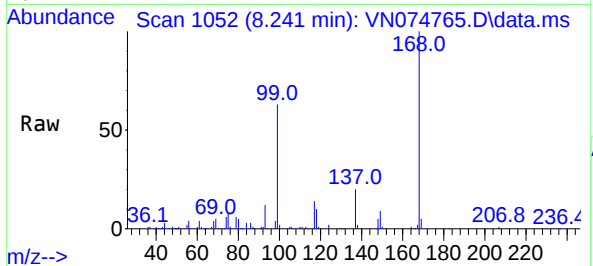




#38
Carbon Tetrachloride
Concen: 3.554 ug/l
RT: 8.241 min Scan# 1107
Delta R.T. -0.130 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

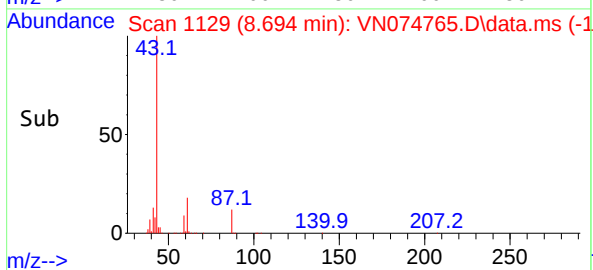
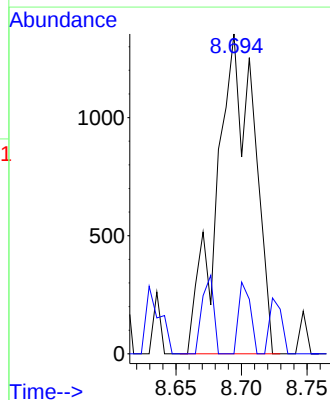
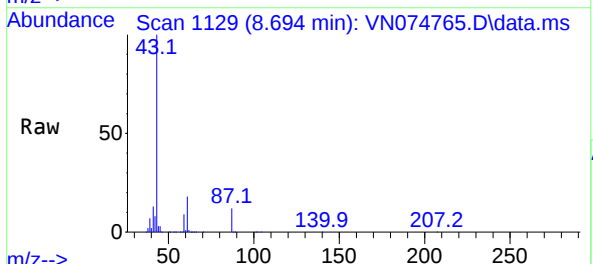
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

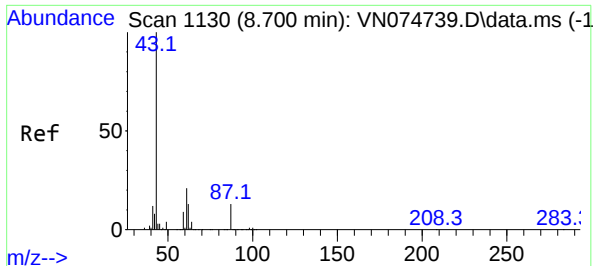
Tgt Ion:117 Resp: 28068
Ion Ratio Lower Upper
117 100
119 5.8 74.3 111.5#
121 0.0 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 0.315 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.017 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 62 Resp: 2682
Ion Ratio Lower Upper
62 100
98 7.0 0.0 19.4

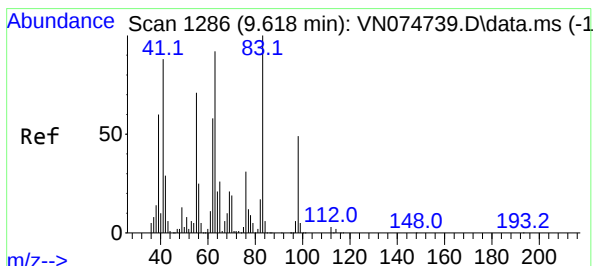
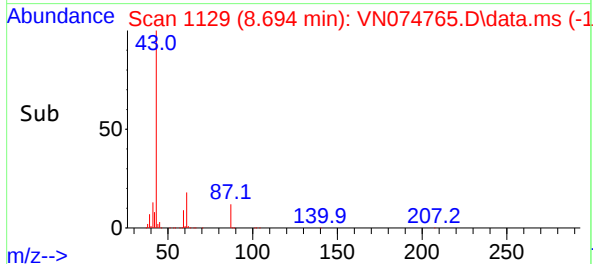
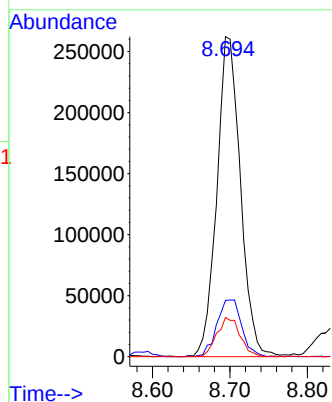
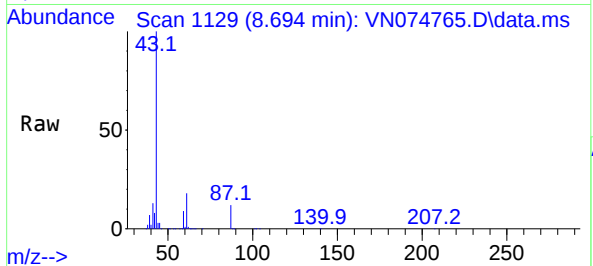




#43
Isopropyl Acetate
Concen: 26.760 ug/l
RT: 8.694 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

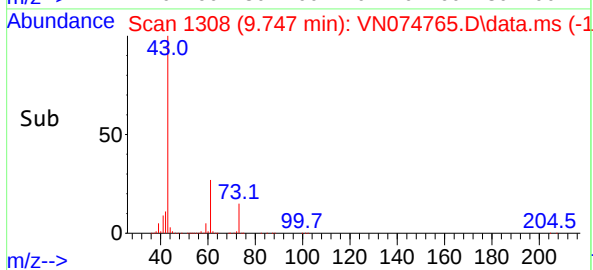
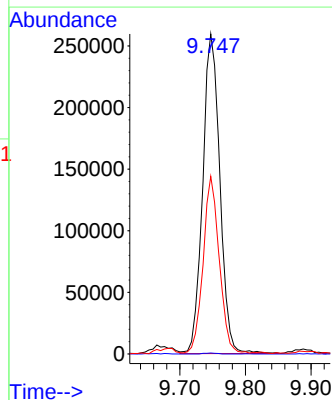
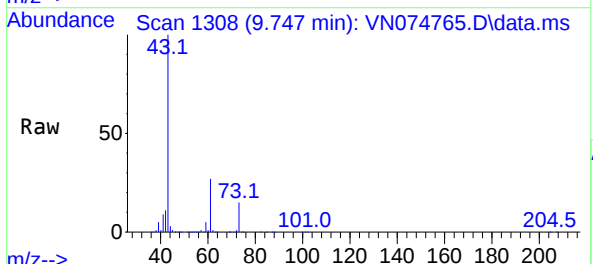
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

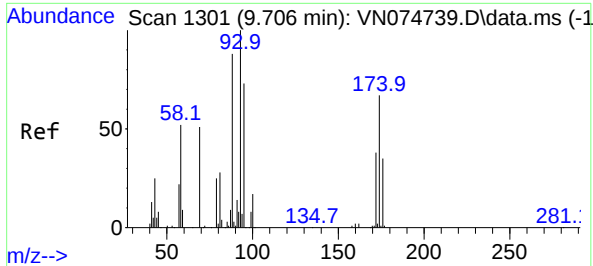
Tgt Ion: 43 Resp: 555480
Ion Ratio Lower Upper
43 100
61 18.8 19.4 29.0#
87 12.0 10.1 15.1



#48
Methyl methacrylate
Concen: 55.600 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.129 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 41 Resp: 473830
Ion Ratio Lower Upper
41 100
69 0.2 0.0 0.0#
39 51.6 54.4 81.6#

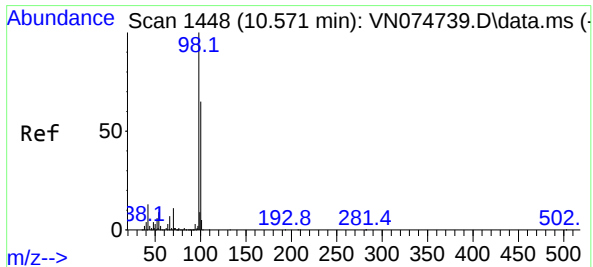
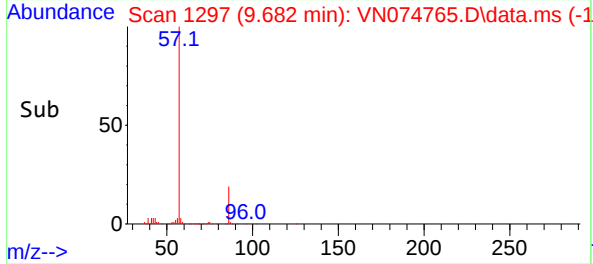
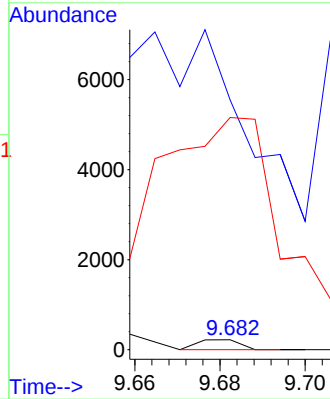
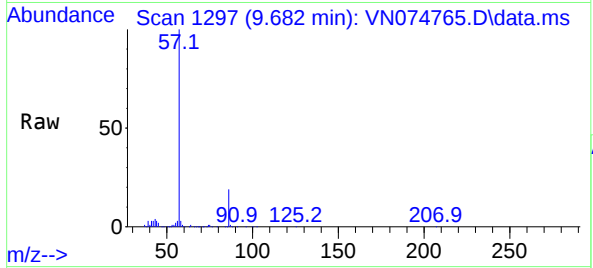




#49
1,4-Dioxane
Concen: 0.839 ug/l
RT: 9.682 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

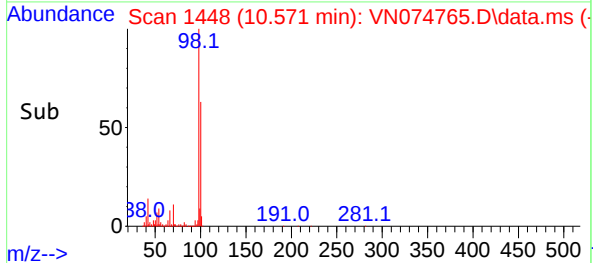
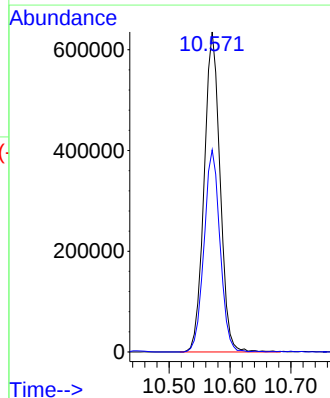
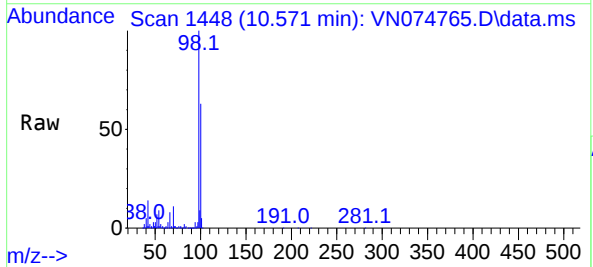
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

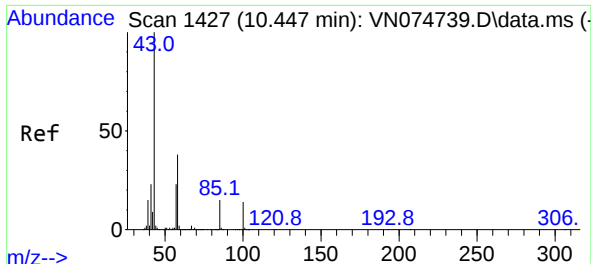
Tgt Ion: 88 Resp: 155
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 7941.9 54.9 82.3#



#50
Toluene-d8
Concen: 52.043 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 98 Resp: 1155369
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1

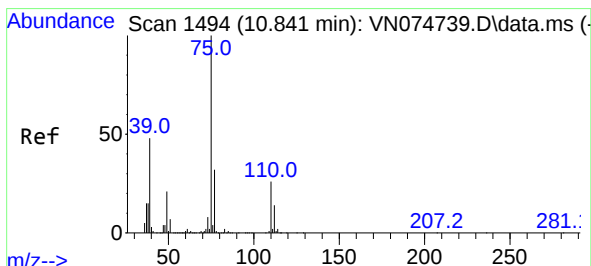
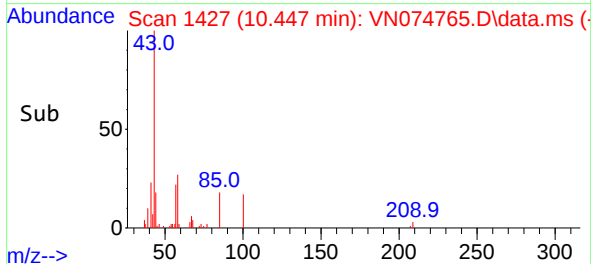
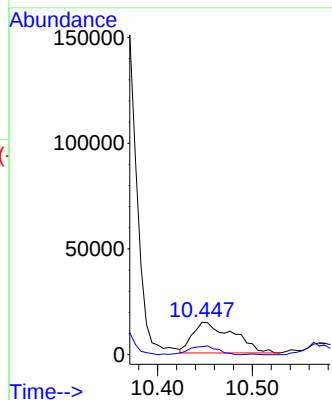
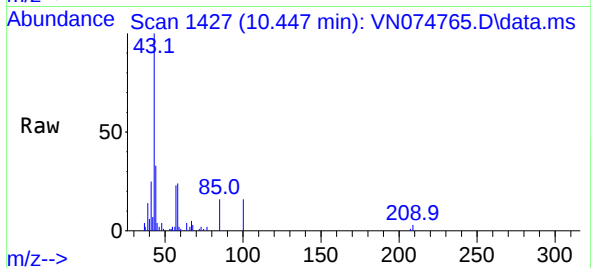




#51
4-Methyl-2-Pentanone
Concen: 3.238 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

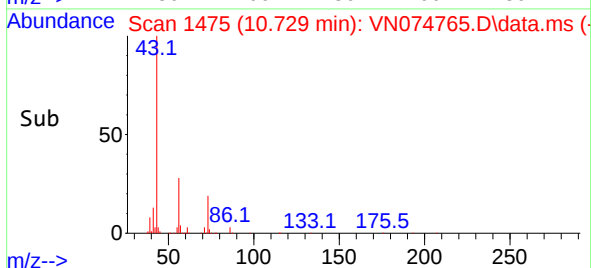
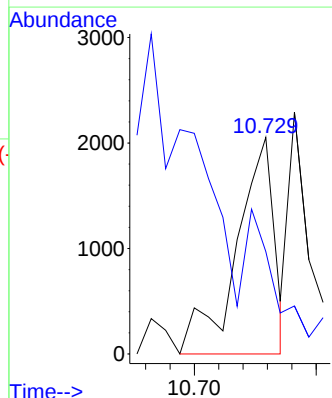
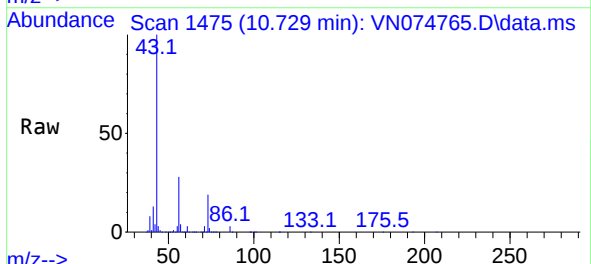
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

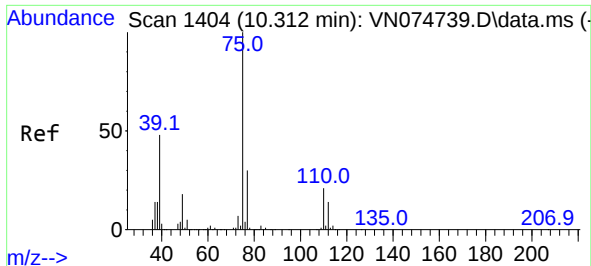
Tgt Ion: 43 Resp: 43278
Ion Ratio Lower Upper
43 100
58 19.9 30.6 45.8#



#53
t-1,3-Dichloropropene
Concen: 0.210 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.112 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 75 Resp: 2206
Ion Ratio Lower Upper
75 100
77 28.4 26.0 39.0

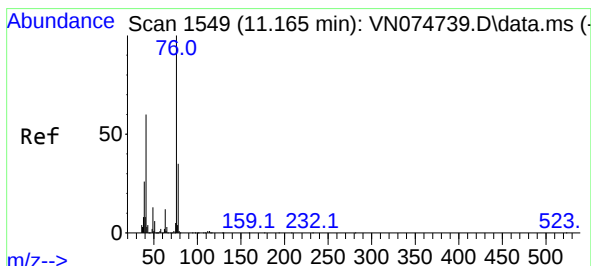
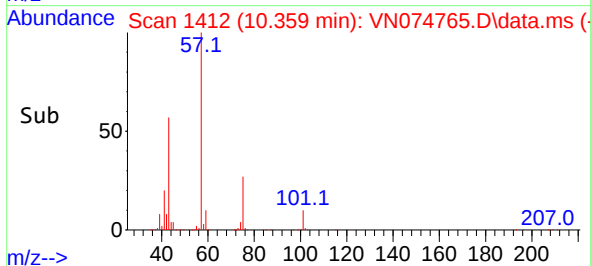
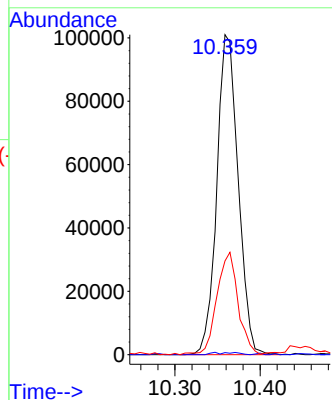
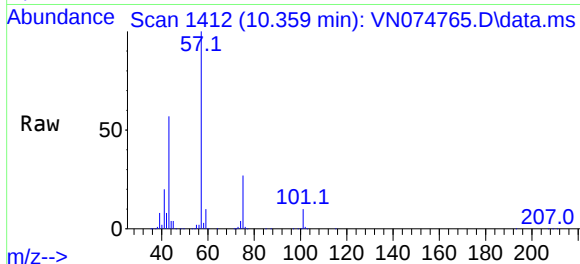




#54
 cis-1,3-Dichloropropene
 Concen: 15.574 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.047 min
 Lab File: VN074765.D
 Acq: 06 Oct 2022 02:27

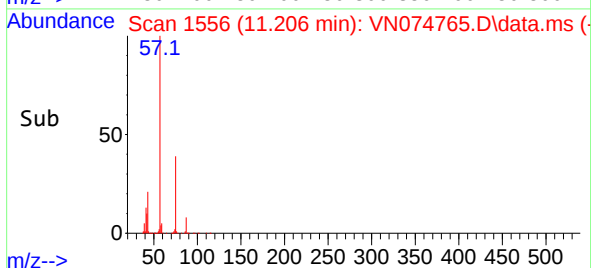
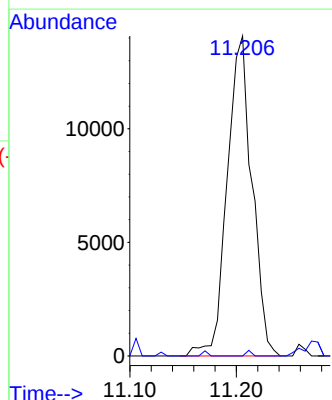
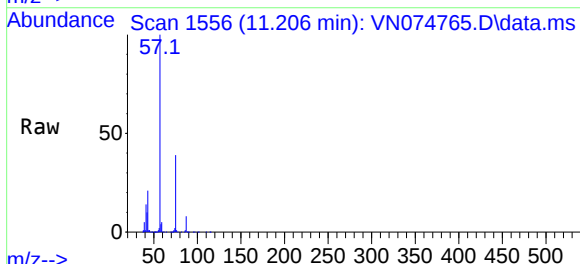
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#02

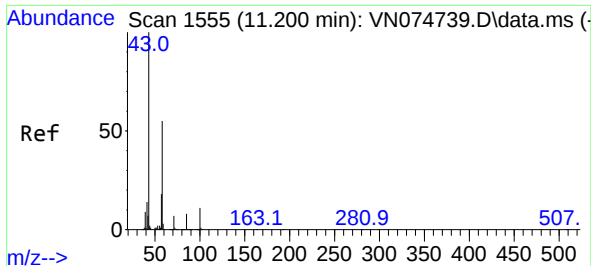
Tgt Ion: 75 Resp: 176306
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.4 36.6#
 39 29.3 38.6 57.8#



#57
 1,3-Dichloropropane
 Concen: 1.937 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN074765.D
 Acq: 06 Oct 2022 02:27

Tgt Ion: 76 Resp: 22863
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.2 39.2#

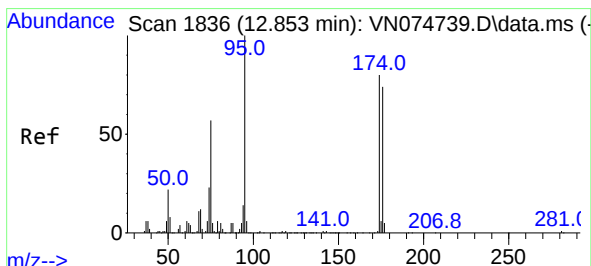
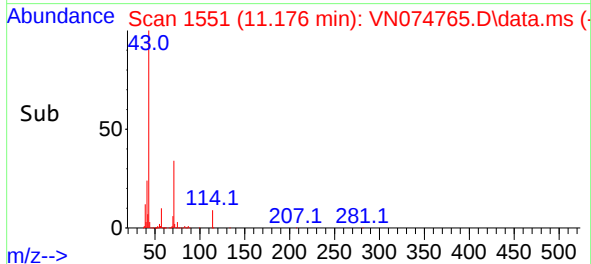
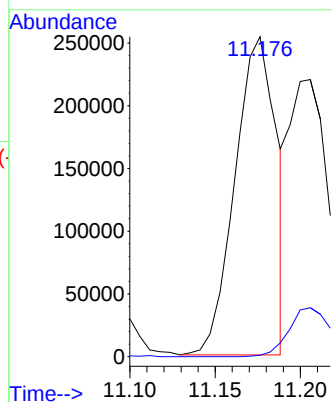
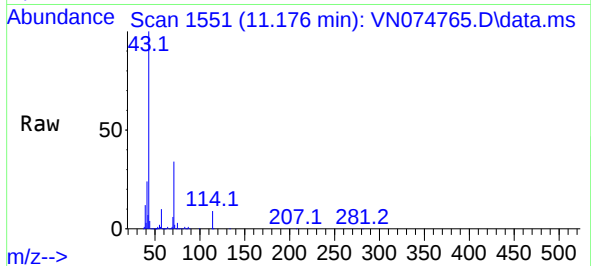




#59
2-Hexanone
Concen: 42.401 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

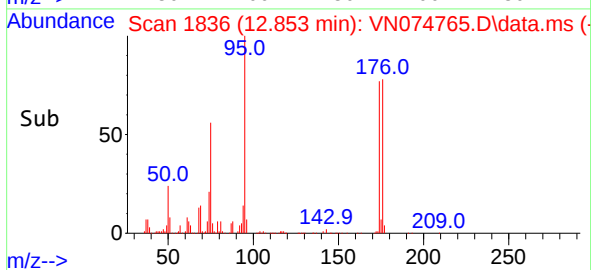
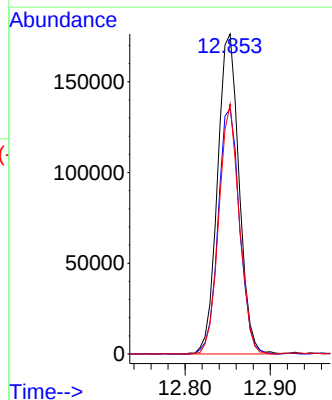
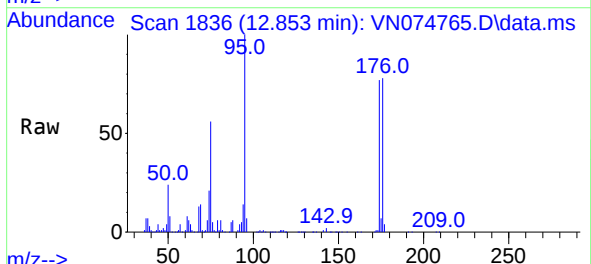
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

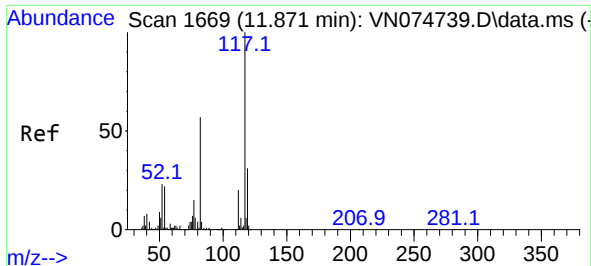
Tgt Ion: 43 Resp: 428708
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 45.907 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 95 Resp: 309802
Ion Ratio Lower Upper
95 100
174 76.3 0.0 149.4
176 73.9 0.0 142.0

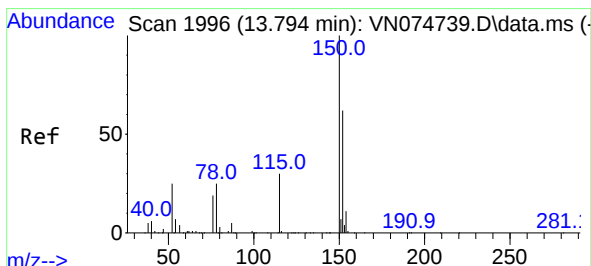
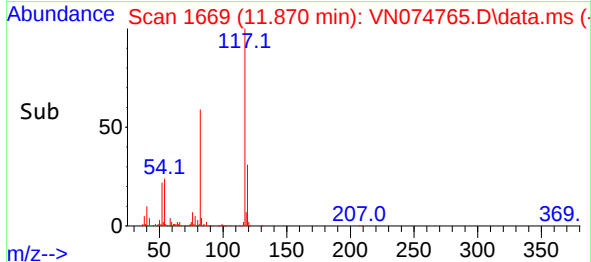
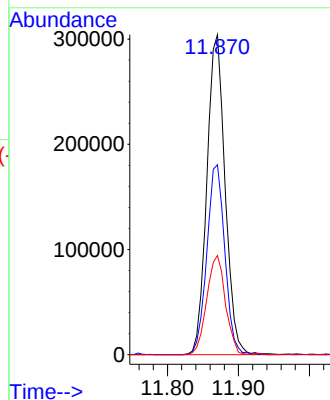
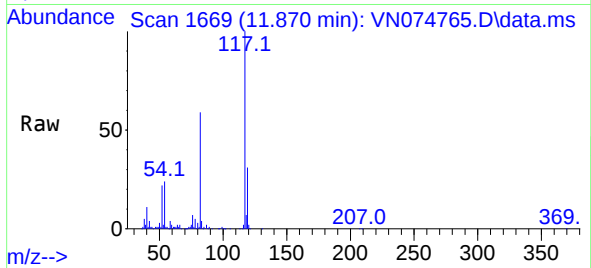




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

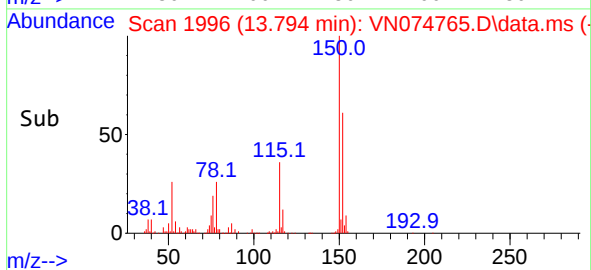
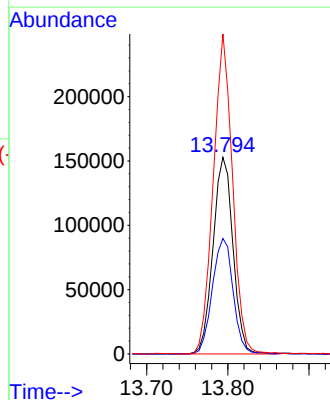
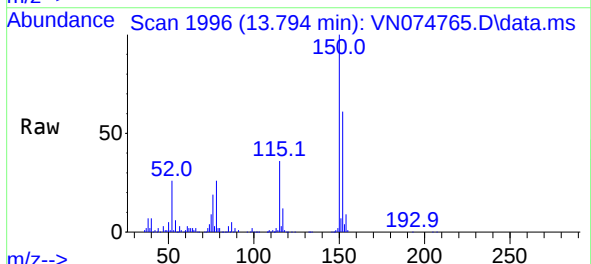
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

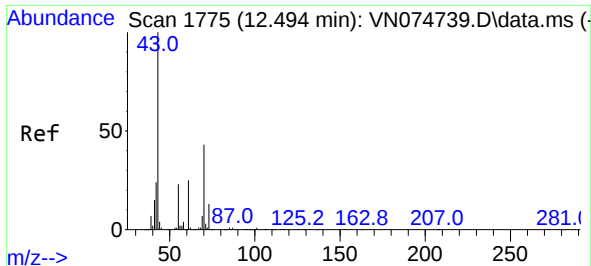
Tgt Ion:117 Resp: 542985
Ion Ratio Lower Upper
117 100
82 59.3 45.4 68.2
119 31.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion:152 Resp: 261592
Ion Ratio Lower Upper
152 100
115 61.0 30.0 90.0
150 156.8 0.0 356.4

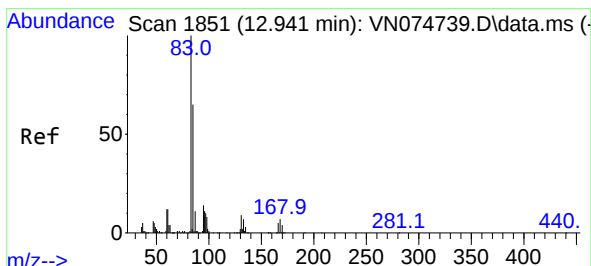
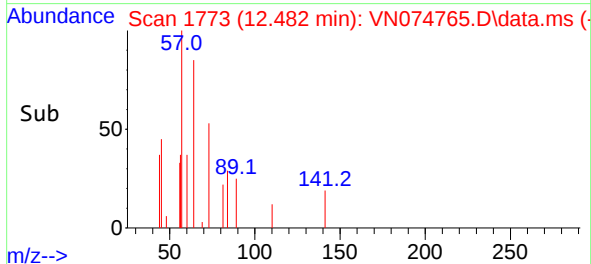
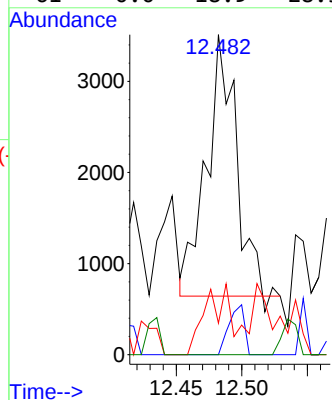
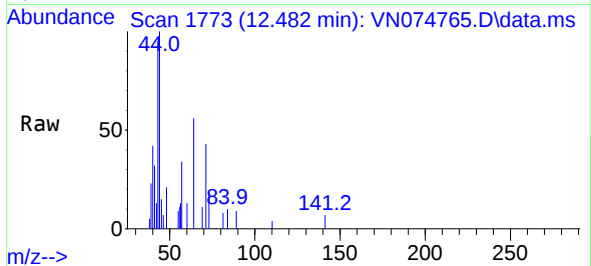




#74
N-amy1 acetate
Concen: 0.297 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

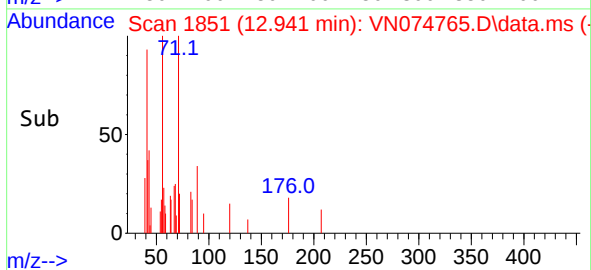
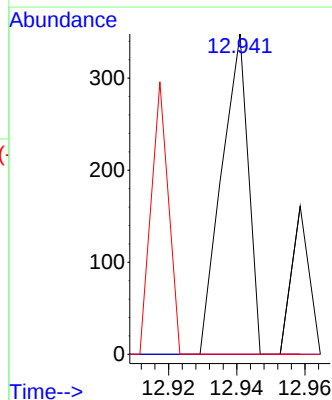
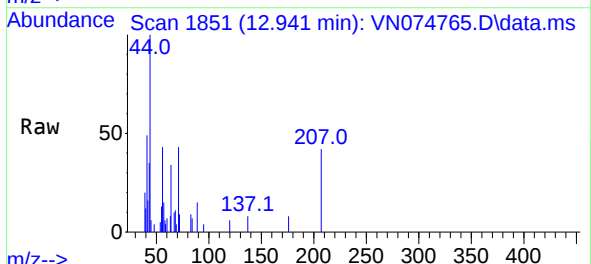
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

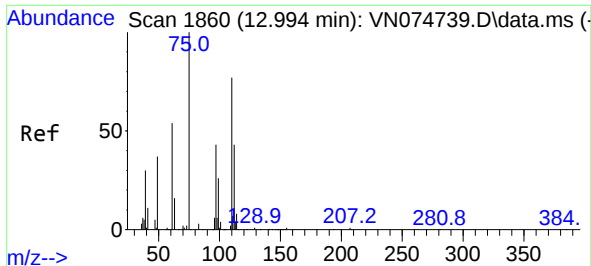
Tgt Ion: 43	Resp:	4524
Ion	Ratio	Lower Upper
43	100	
70	0.0	32.9 49.3#
55	25.8	17.8 26.6
61	0.0	18.9 28.3#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.941 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 83	Resp:	189
Ion	Ratio	Lower Upper
83	100	
131	0.0	4.3 12.8#
85	0.0	32.9 98.6#

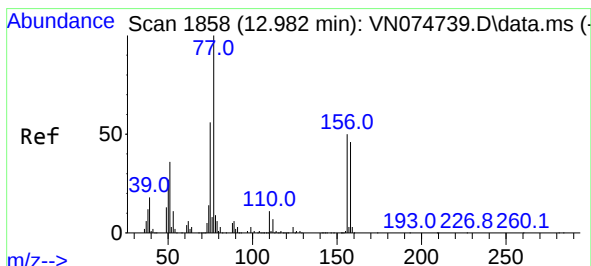
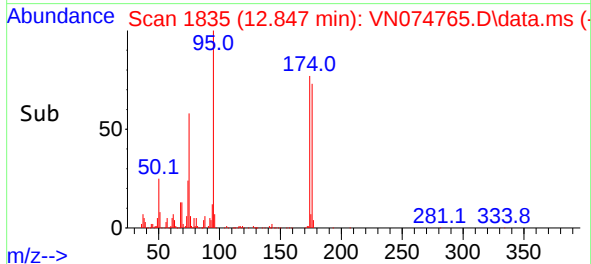
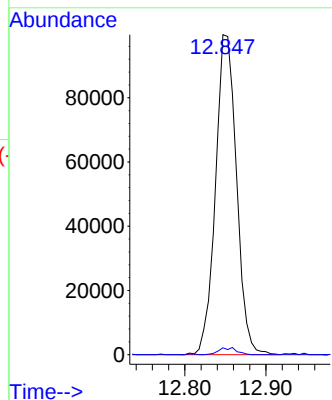
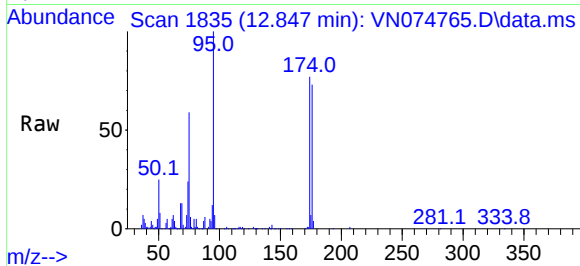




#76
1,2,3-Trichloropropane
Concen: 22.999 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.147 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

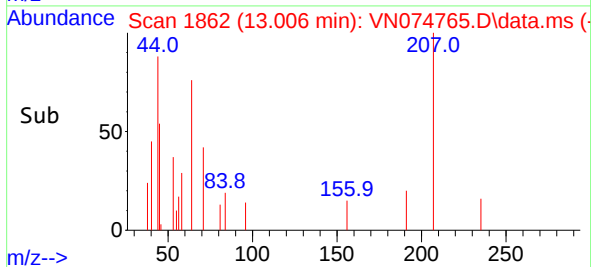
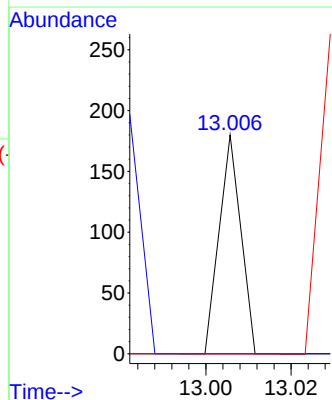
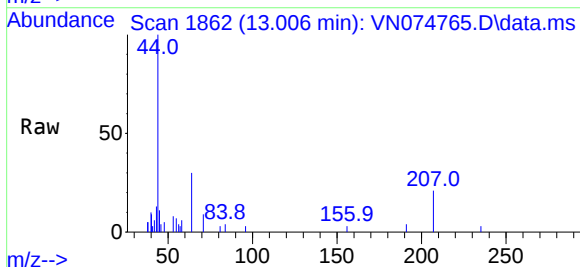
Instrument :
MSVOA_N
ClientSampleId :
PB148097ZHE#02

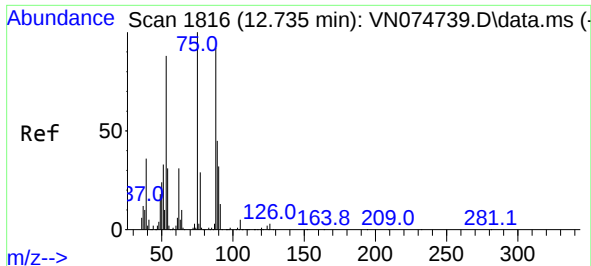
Tgt Ion: 75 Resp: 179574
Ion Ratio Lower Upper
75 100
77 1.9 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 13.006 min Scan# 1862
Delta R.T. 0.024 min
Lab File: VN074765.D
Acq: 06 Oct 2022 02:27

Tgt Ion: 156 Resp: 64
Ion Ratio Lower Upper
156 100
77 0.0 124.7 374.1#
158 0.0 48.3 144.9#

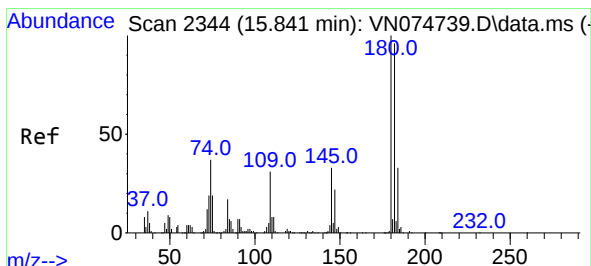
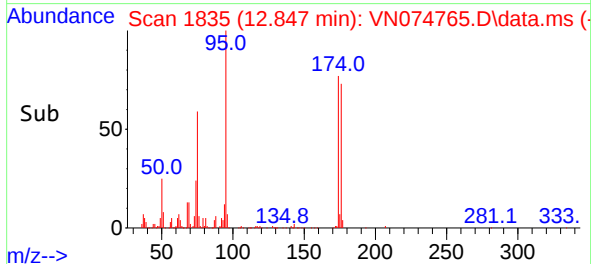
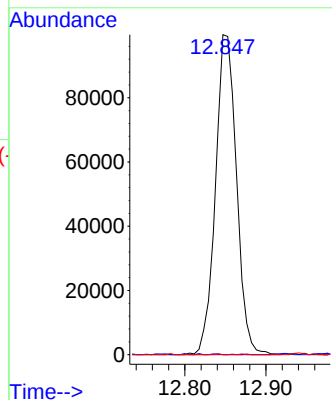
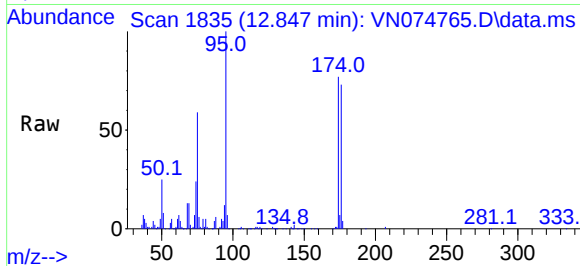




#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.811 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN074765.D
 Acq: 06 Oct 2022 02:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148097ZHE#02

Tgt Ion: 75 Resp: 179574
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.0#
 89 0.1 32.1 48.1#



#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.947 min Scan# 2362
 Delta R.T. 0.106 min
 Lab File: VN074765.D
 Acq: 06 Oct 2022 02:27

Tgt Ion:180 Resp: 168
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 142.0#
 145 0.0 17.1 51.2#

