

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101122\
 Data File : VN074862.D
 Acq On : 11 Oct 2022 21:27
 Operator : JC\MD
 Sample : PB148255ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#11

Quant Time: Oct 12 03:59:58 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)

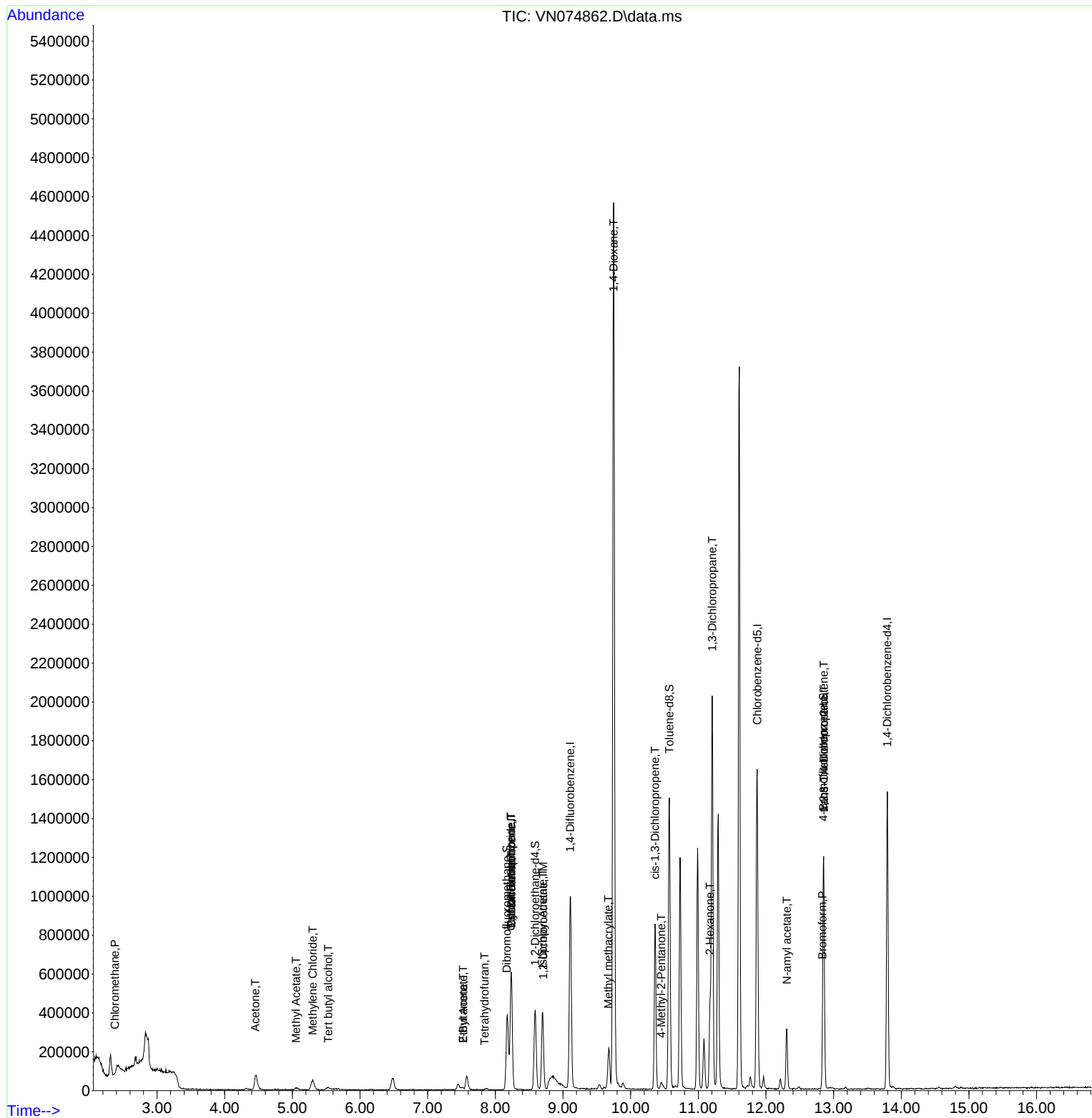
Internal Standards						
1) Pentafluorobenzene	8.236	168	432879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	864680	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	900654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	382027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	306082	29.842	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	59.680%#
35) Dibromofluoromethane	8.171	113	277419	31.755	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	63.500%#
50) Toluene-d8	10.571	98	1033595	27.572	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	55.140%#
62) 4-Bromofluorobenzene	12.847	95	367830	32.279	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	64.560%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.377	50	2645	0.200	ug/l #	67
11) Tert butyl alcohol	5.530	59	1465	0.426	ug/l #	87
13) Acrolein	4.212	56	836	Below Cal	#	79
16) Acetone	4.453	43	143442	24.678	ug/l	96
18) Methyl Acetate	5.053	43	13583	0.631	ug/l #	87
20) Methylene Chloride	5.300	84	38992	2.089	ug/l	88
25) 2-Butanone	7.524	43	17279	1.638	ug/l #	75
29) Tetrahydrofuran	7.841	42	1747	0.238	ug/l #	71
31) Cyclohexane	8.236	56	13701	0.773	ug/l #	35
36) 1,1-Dichloropropene	8.236	75	41539	2.938	ug/l #	49
37) Ethyl Acetate	7.524	43	17279	0.305	ug/l #	86
38) Carbon Tetrachloride	8.230	117	46616	3.496	ug/l #	16
42) 1,2-Dichloroethane	8.706	62	3722	0.259	ug/l #	74
43) Isopropyl Acetate	8.700	43	466321	13.304	ug/l #	91
48) Methyl methacrylate	9.671	41	12798	0.889	ug/l #	16
49) 1,4-Dioxane	9.747	88	519	1.664	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	38715	1.715	ug/l #	71
54) cis-1,3-Dichloropropene	10.359	75	143541	7.509	ug/l #	66
57) 1,3-Dichloropropane	11.206	76	19910	0.999	ug/l #	42
59) 2-Hexanone	11.171	43	425984	24.951	ug/l #	24
71) Bromoform	12.835	173	2216	0.288	ug/l #	1
74) N-amyl acetate	12.306	43	102363	4.605	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.841	83	836	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	220688	19.354	ug/l #	1
77) Bromobenzene	12.847	156	453	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	220688	37.709	ug/l #	14

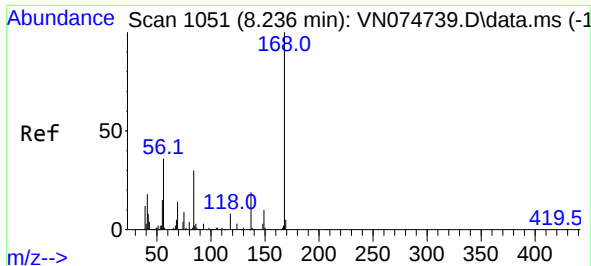
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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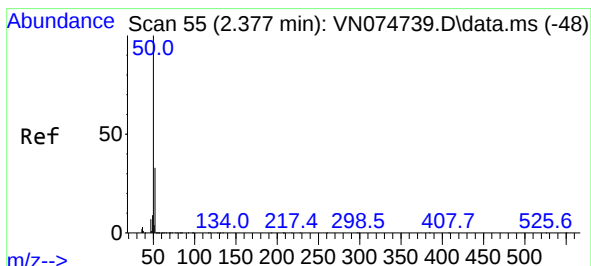
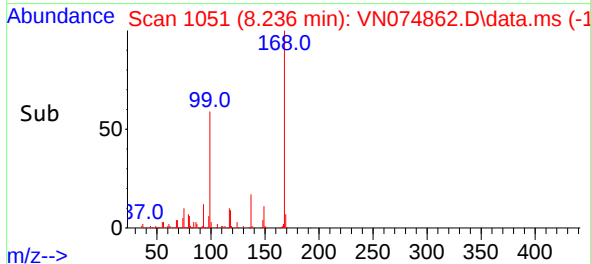
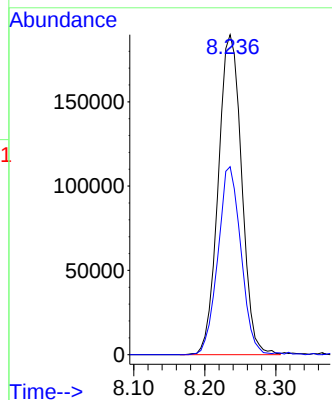
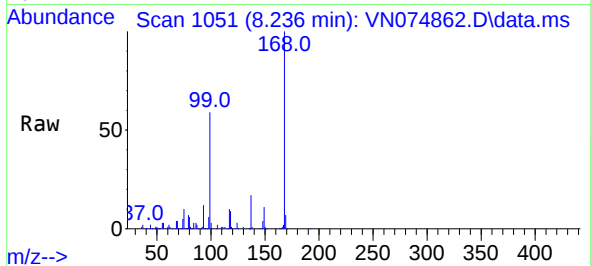




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

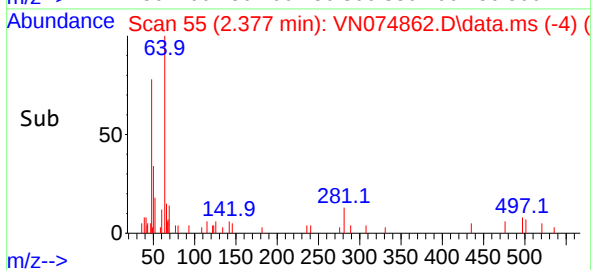
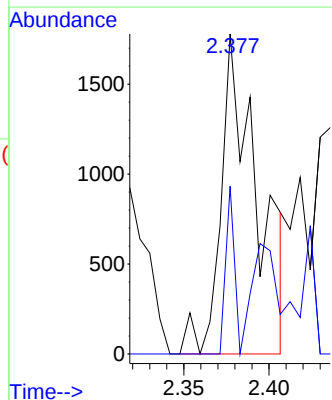
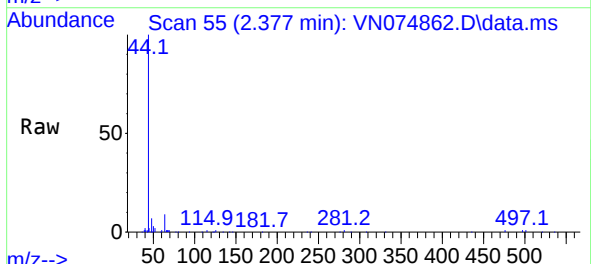
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

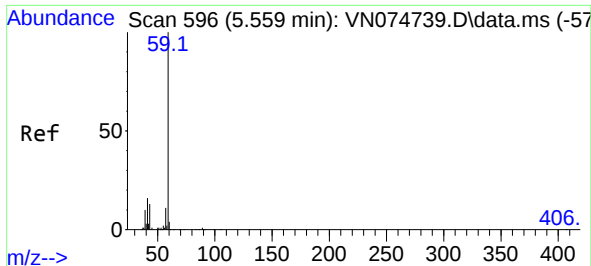
Tgt Ion:168 Resp: 432879
Ion Ratio Lower Upper
168 100
99 58.8 42.8 64.2



#3
Chloromethane
Concen: 0.200 ug/l
RT: 2.377 min Scan# 55
Delta R.T. -0.000 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 50 Resp: 2645
Ion Ratio Lower Upper
50 100
52 52.4 26.7 40.1#

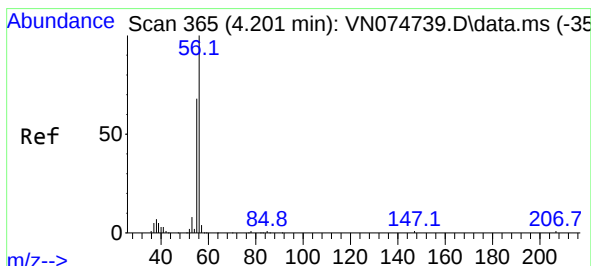
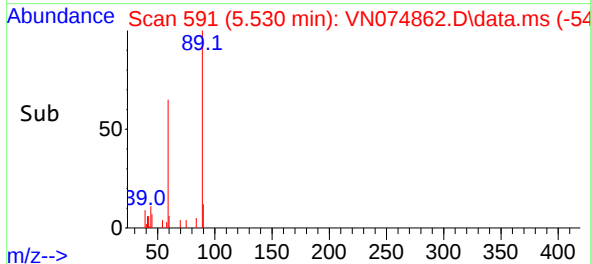
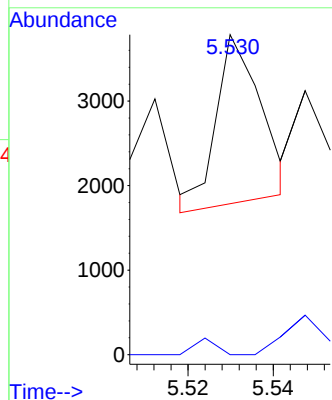
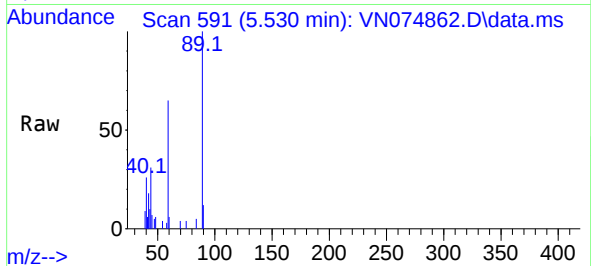




#11
Tert butyl alcohol
Concen: 0.426 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.029 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

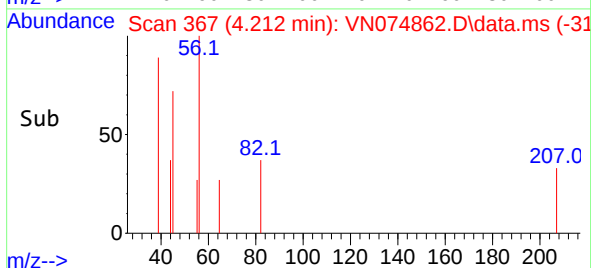
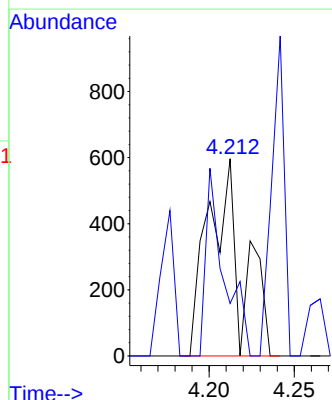
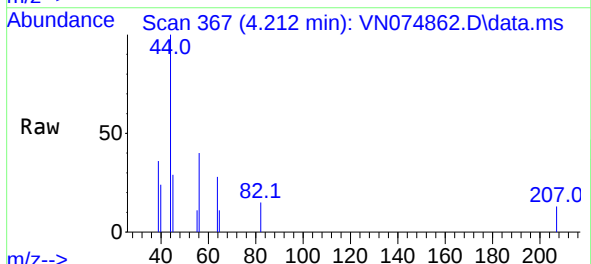
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

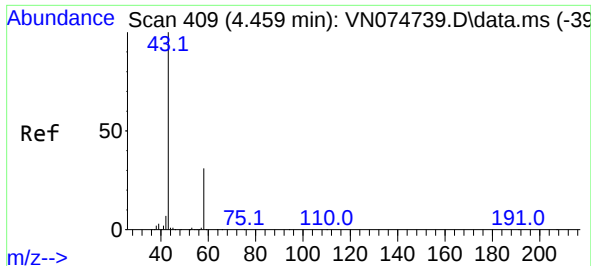
Tgt Ion: 59 Resp: 1465
Ion Ratio Lower Upper
59 100
57 4.7 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 367
Delta R.T. 0.011 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 56 Resp: 836
Ion Ratio Lower Upper
56 100
55 51.4 54.9 82.3#

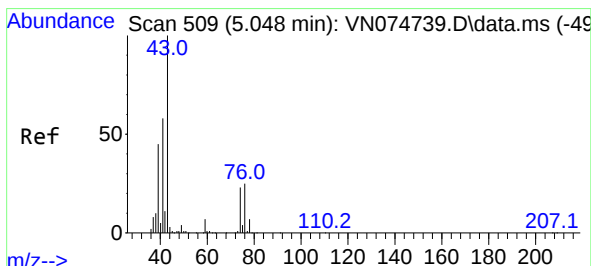
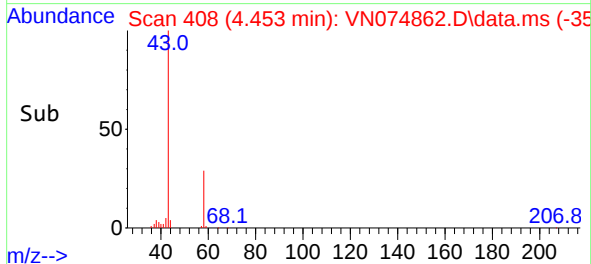
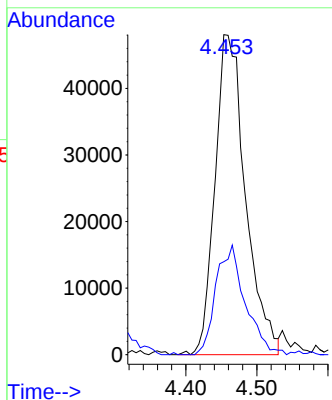
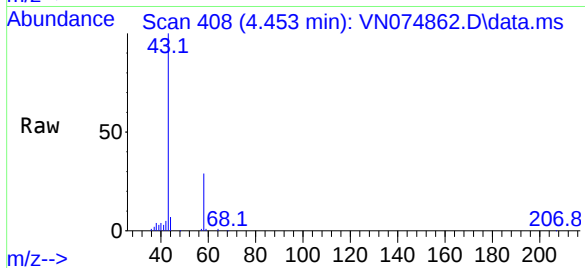




#16
Acetone
Concen: 24.678 ug/l
RT: 4.453 min Scan# 408
Delta R.T. -0.006 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

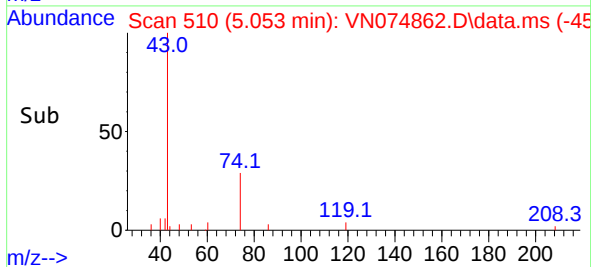
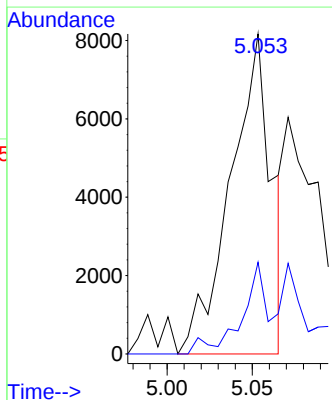
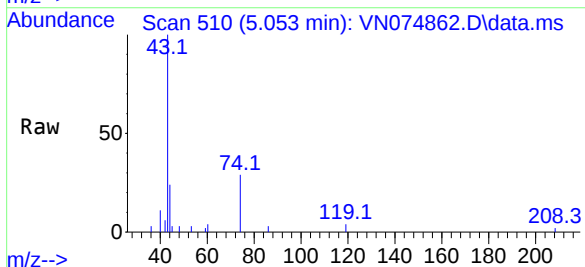
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

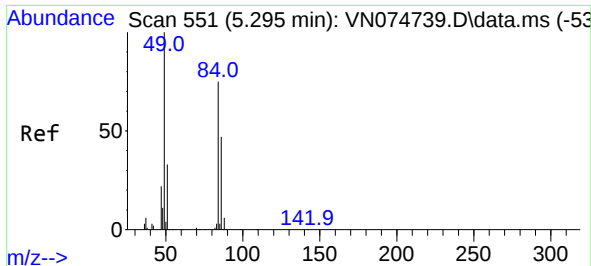
Tgt Ion: 43 Resp: 143442
Ion Ratio Lower Upper
43 100
58 29.0 24.9 37.3



#18
Methyl Acetate
Concen: 0.631 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.006 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 43 Resp: 13583
Ion Ratio Lower Upper
43 100
74 16.8 18.5 27.7#

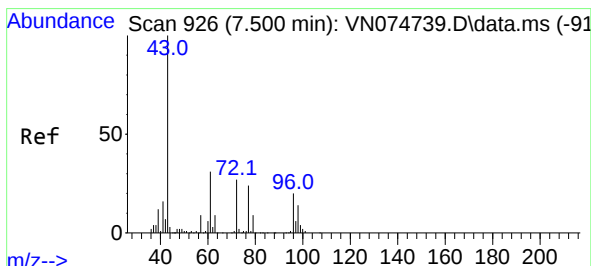
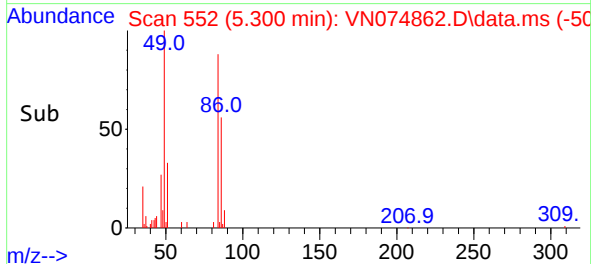
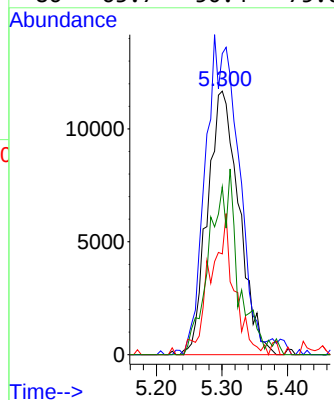
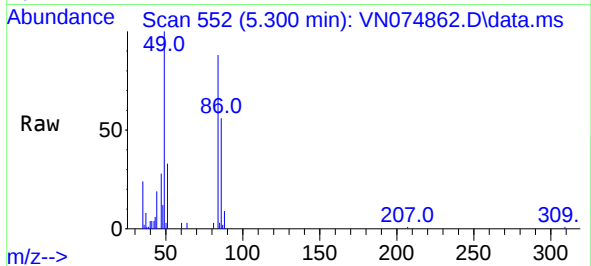




#20
Methylene Chloride
Concen: 2.089 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

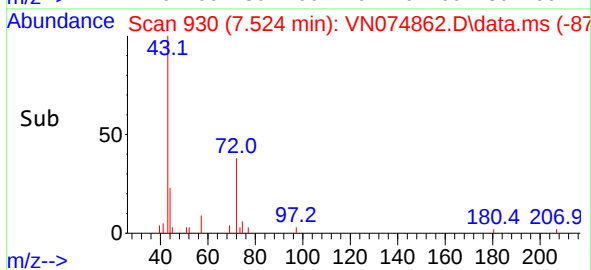
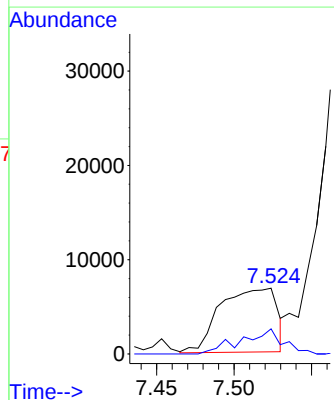
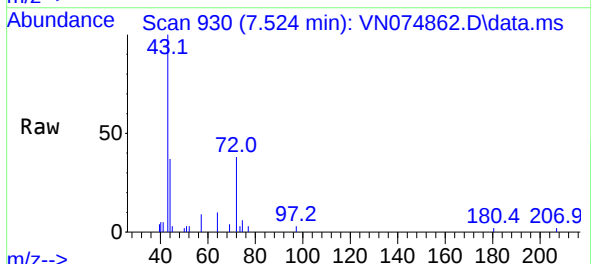
Instrument :
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ClientSampleId :
PB148255ZHE#11

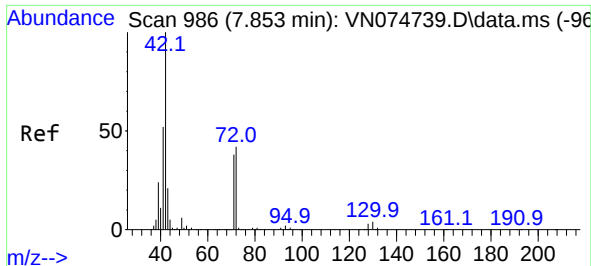
Tgt Ion: 84 Resp: 38992
Ion Ratio Lower Upper
84 100
49 112.6 107.4 161.0
51 38.3 35.1 52.7
86 63.7 50.4 75.6



#25
2-Butanone
Concen: 1.638 ug/l
RT: 7.524 min Scan# 930
Delta R.T. 0.023 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 43 Resp: 17279
Ion Ratio Lower Upper
43 100
72 39.7 21.4 32.0#

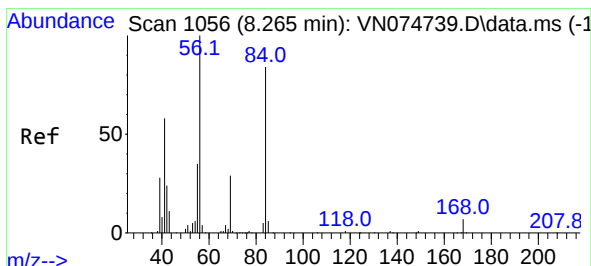
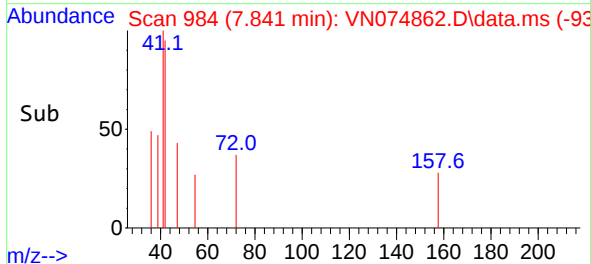
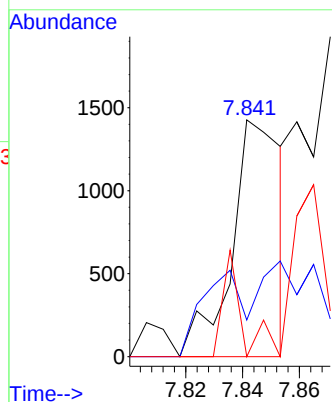
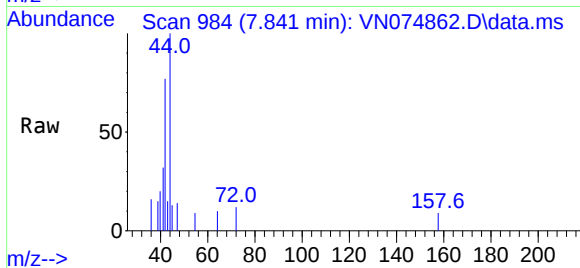




#29
Tetrahydrofuran
Concen: 0.238 ug/l
RT: 7.841 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

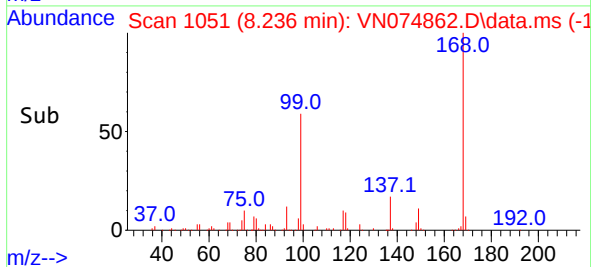
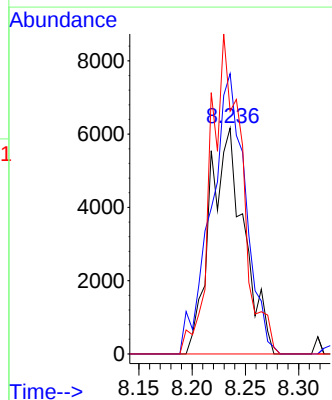
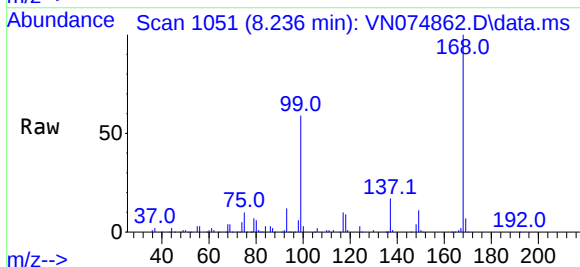
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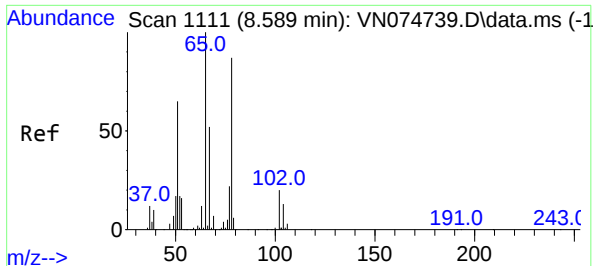
Tgt Ion:	42	Resp:	1747
Ion	Ratio	Lower	Upper
42	100		
72	29.9	33.0	49.6#
71	13.0	30.4	45.6#



#31
Cyclohexane
Concen: 0.773 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.029 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion:	56	Resp:	13701
Ion	Ratio	Lower	Upper
56	100		
69	124.1	23.1	34.7#
84	107.4	67.1	100.7#

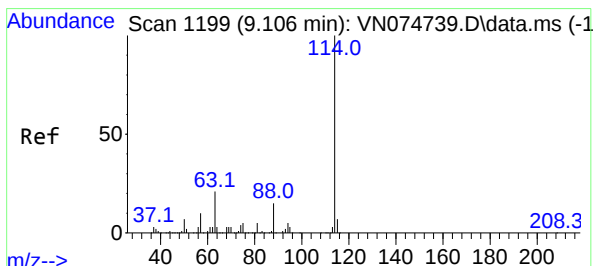
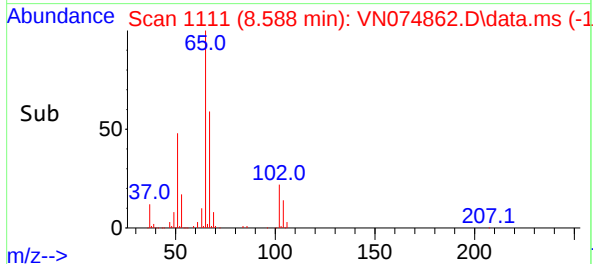
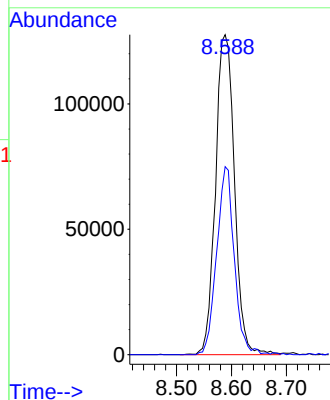
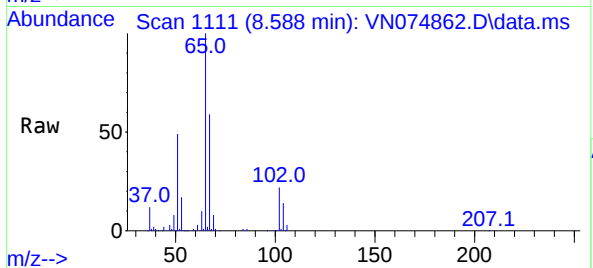




#33
1,2-Dichloroethane-d4
Concen: 29.842 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

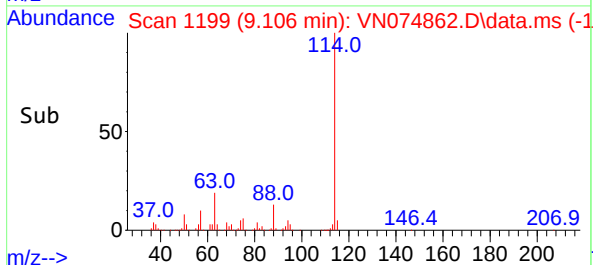
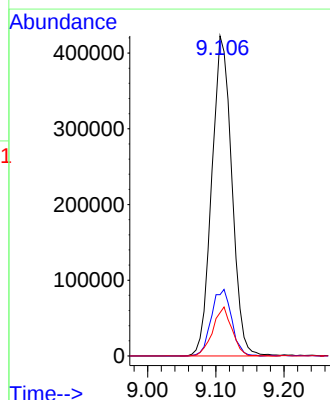
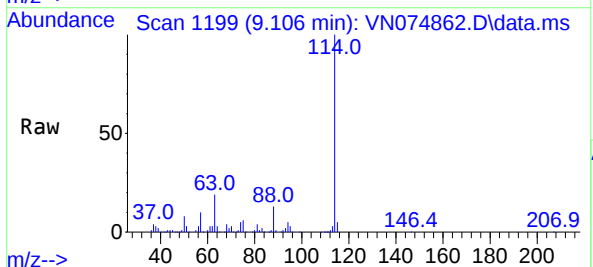
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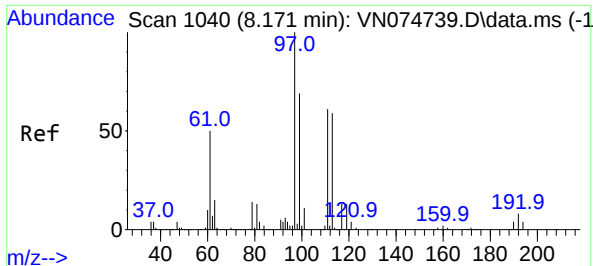
Tgt Ion: 65 Resp: 306082
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

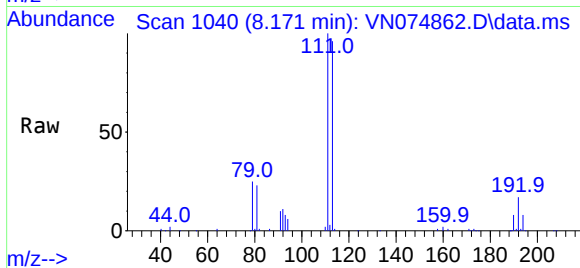
Tgt Ion: 114 Resp: 864680
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.2
88 13.5 0.0 30.2



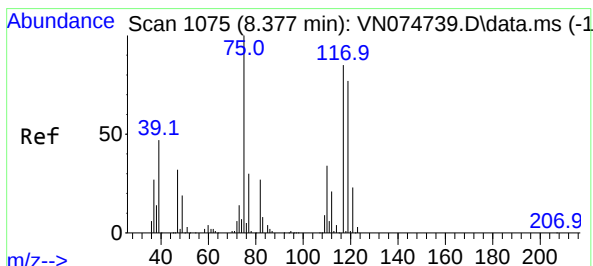
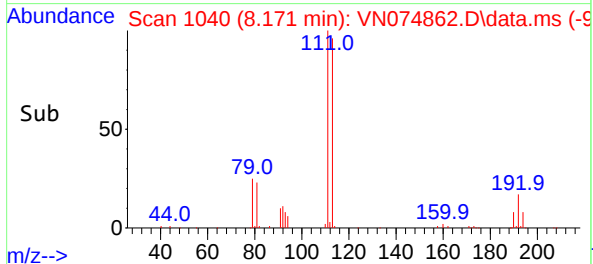
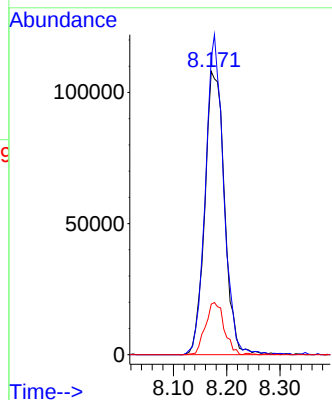


#35
Dibromofluoromethane
Concen: 31.755 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

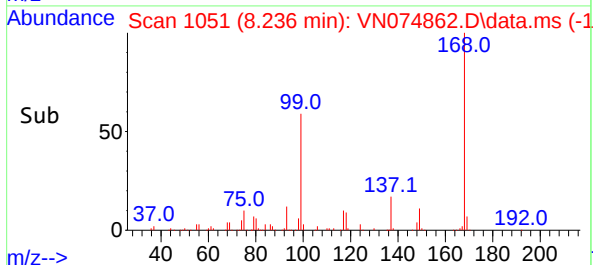
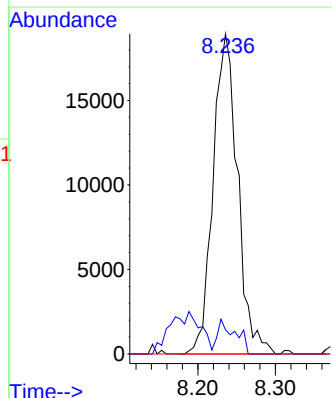
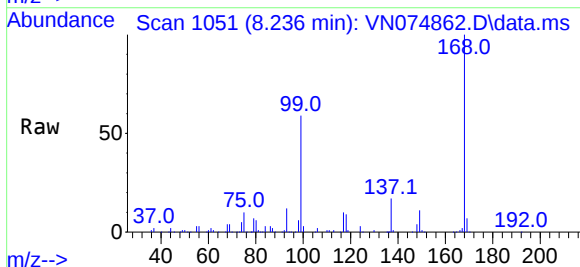


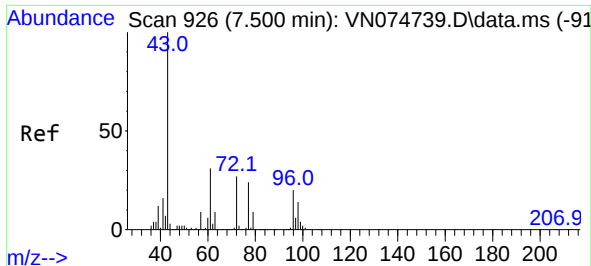
Tgt Ion:113 Resp: 277419
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.6
192 17.5 12.6 18.8



#36
1,1-Dichloropropene
Concen: 2.938 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

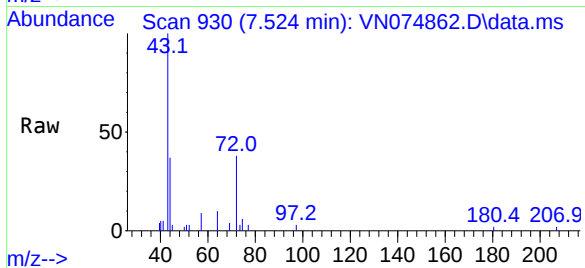
Tgt Ion: 75 Resp: 41539
Ion Ratio Lower Upper
75 100
110 7.9 17.2 51.5#
77 0.0 24.3 36.5#



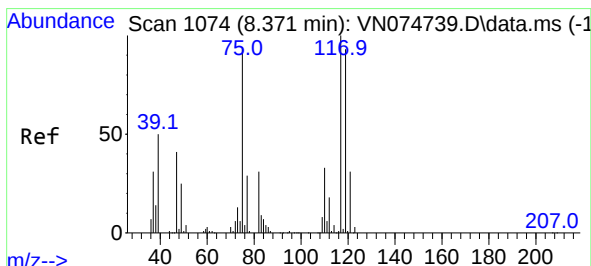
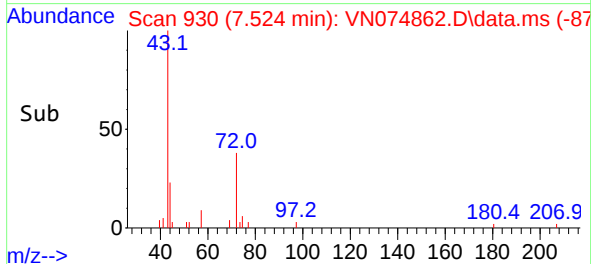
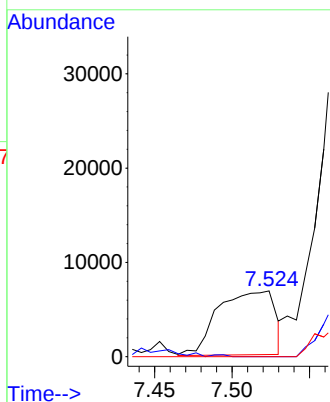


#37
Ethyl Acetate
Concen: 0.305 ug/l
RT: 7.524 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

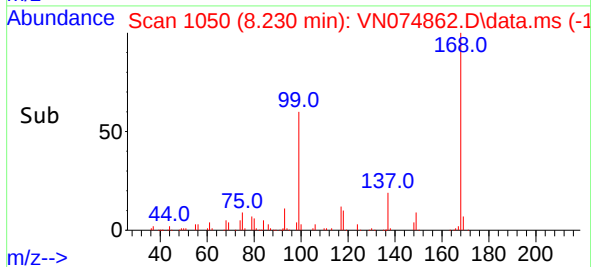
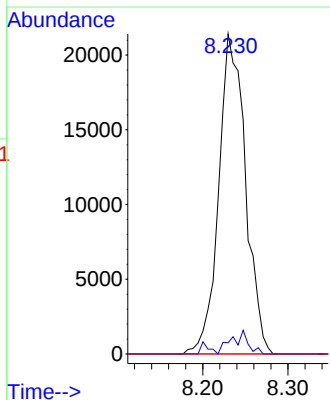
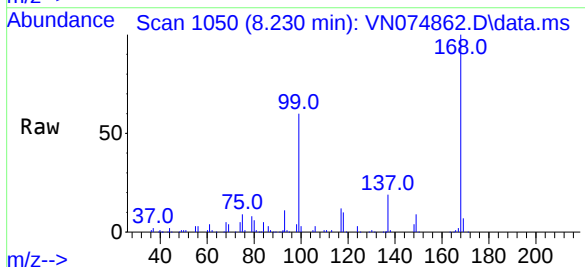


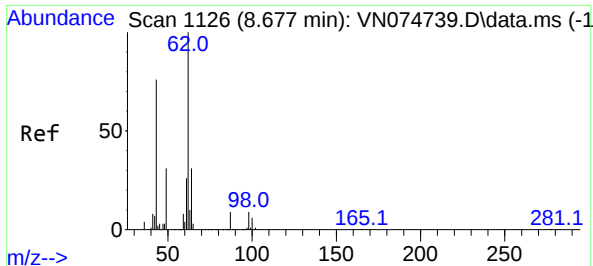
Tgt Ion: 43 Resp: 17279
Ion Ratio Lower Upper
43 100
61 0.0 4.3 6.5#
70 0.0 3.0 4.4#



#38
Carbon Tetrachloride
Concen: 3.496 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 117 Resp: 46616
Ion Ratio Lower Upper
117 100
119 3.5 74.3 111.5#
121 0.0 25.0 37.4#

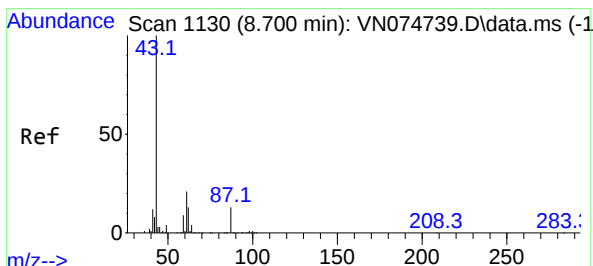
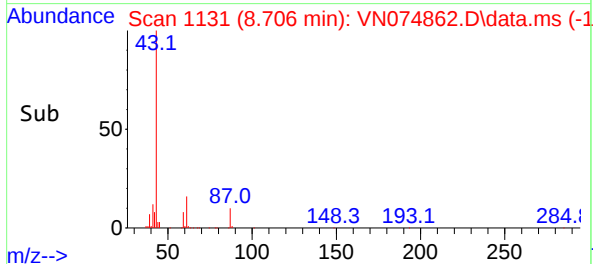
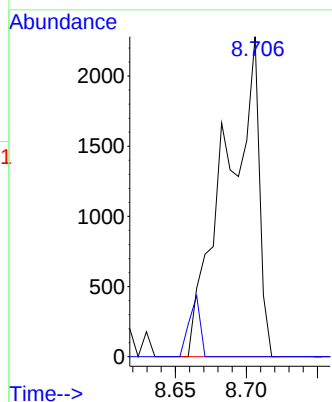
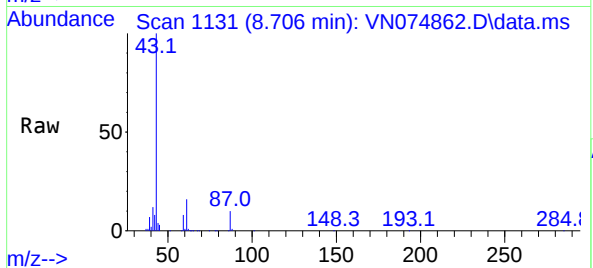




#42
1,2-Dichloroethane
Concen: 0.259 ug/l
RT: 8.706 min Scan# 1126
Delta R.T. 0.029 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

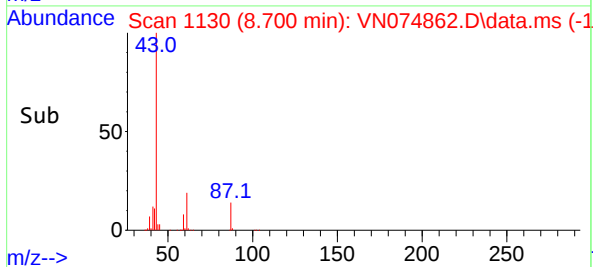
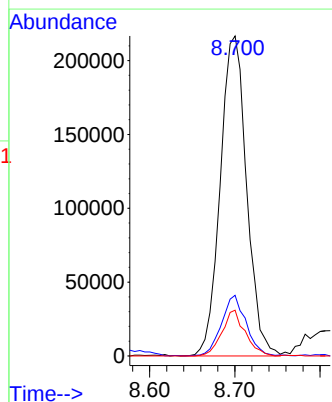
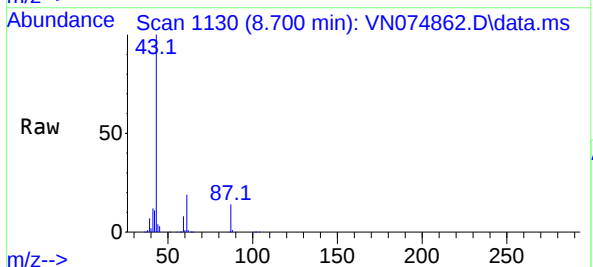
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

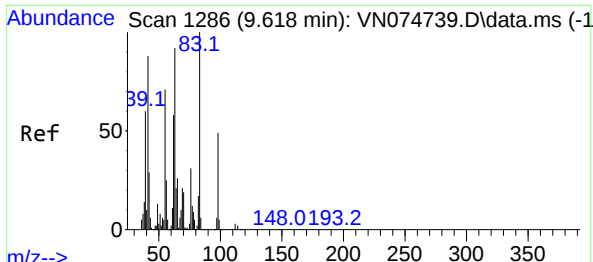
Tgt Ion: 62 Resp: 3722
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4



#43
Isopropyl Acetate
Concen: 13.304 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 43 Resp: 466321
Ion Ratio Lower Upper
43 100
61 17.8 19.4 29.0#
87 12.5 10.1 15.1

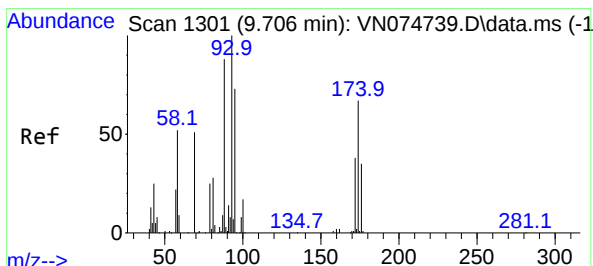
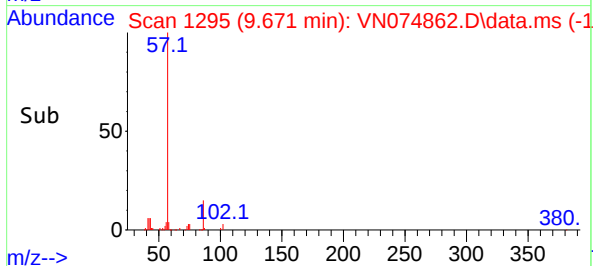
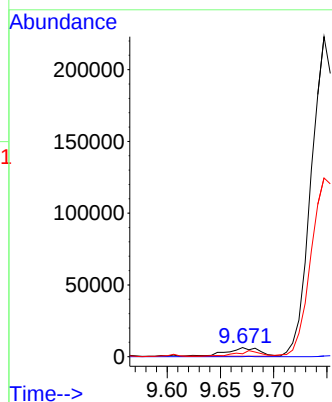
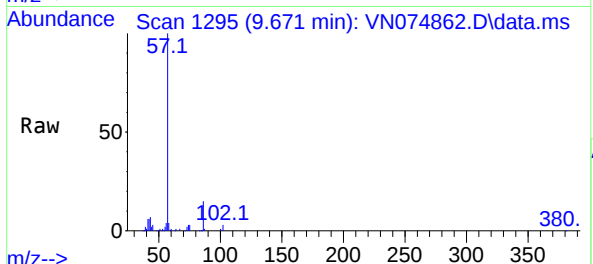




#48
Methyl methacrylate
Concen: 0.889 ug/l
RT: 9.671 min Scan# 11
Delta R.T. 0.053 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

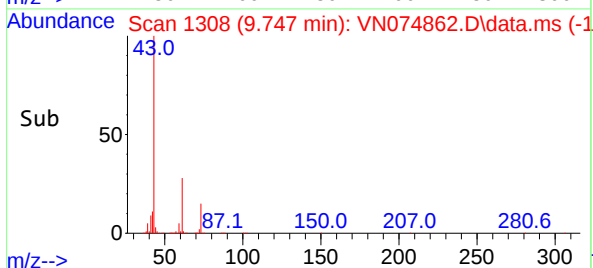
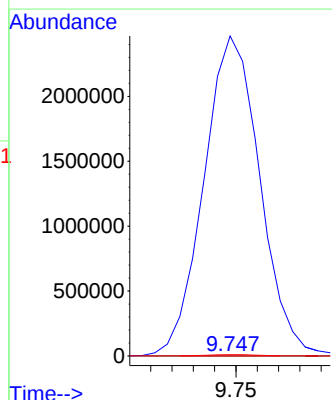
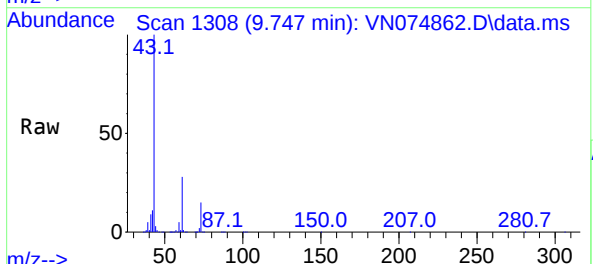
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

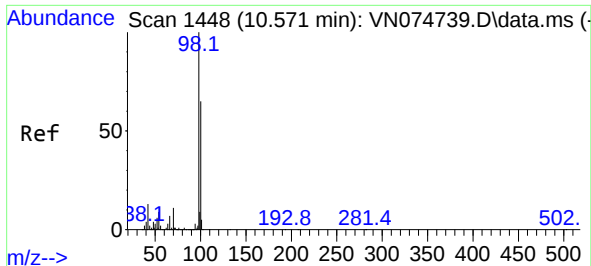
Tgt Ion: 41 Resp: 12798
Ion Ratio Lower Upper
41 100
69 0.6 0.0 0.0#
39 0.0 54.4 81.6#



#49
1,4-Dioxane
Concen: 1.664 ug/l
RT: 9.747 min Scan# 1308
Delta R.T. 0.041 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 88 Resp: 519
Ion Ratio Lower Upper
88 100
43 874297.9 23.4 35.2#
58 3561.7 54.9 82.3#

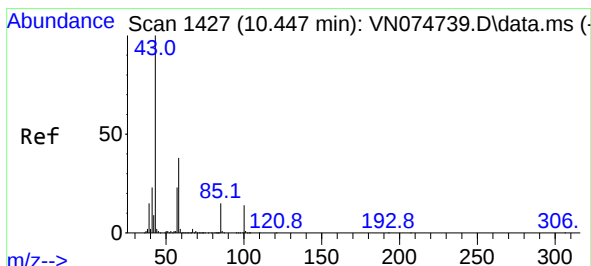
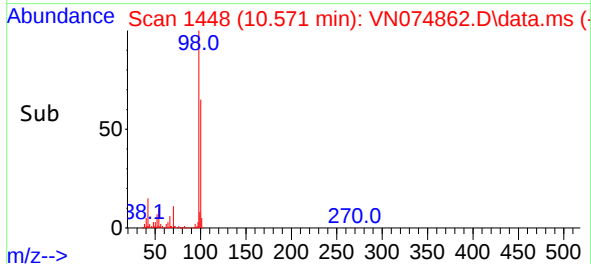
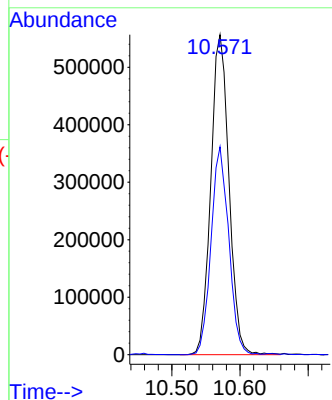
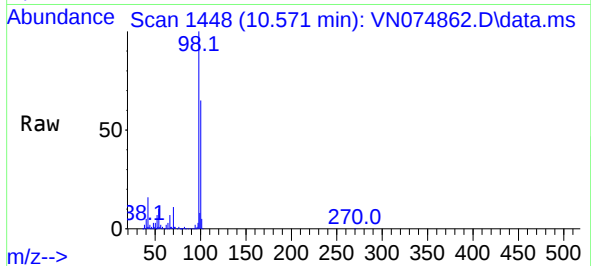




#50
Toluene-d8
Concen: 27.572 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

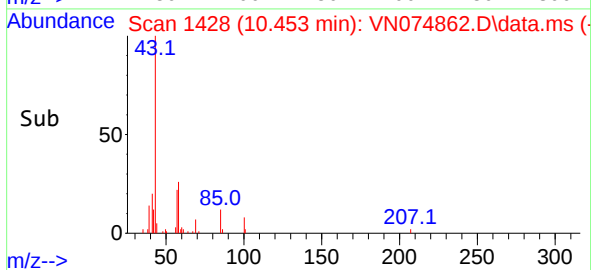
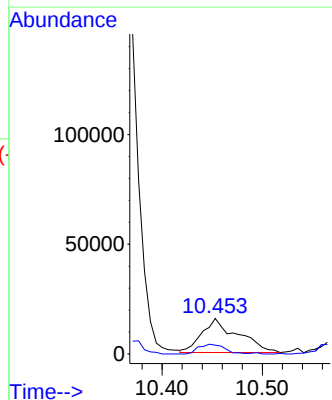
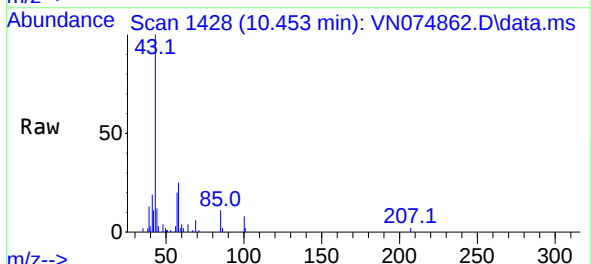
Instrument : MSVOA_N
ClientSampleId : PB148255ZHE#11

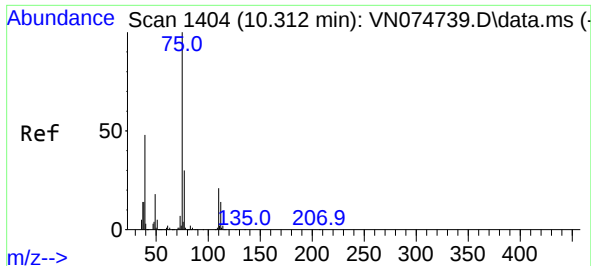
Tgt Ion: 98 Resp: 1033595
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1



#51
4-Methyl-2-Pentanone
Concen: 1.715 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 43 Resp: 38715
Ion Ratio Lower Upper
43 100
58 20.6 30.6 45.8#

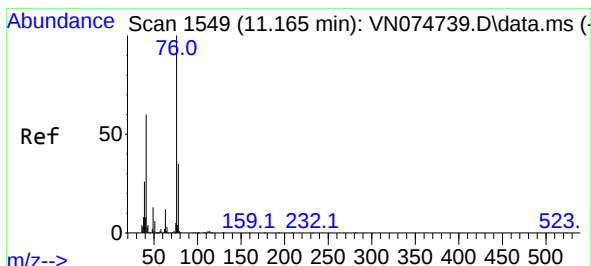
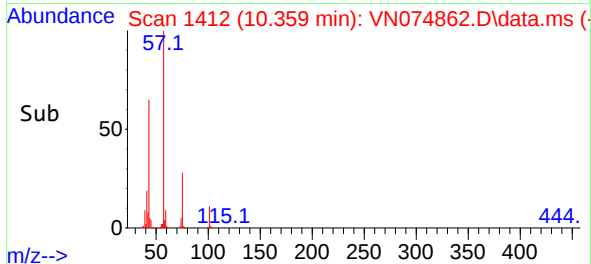
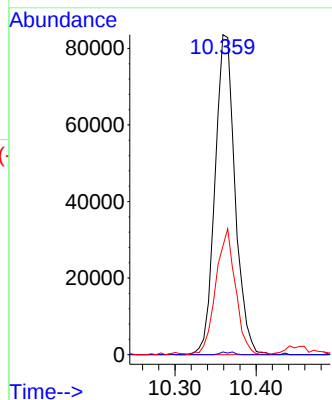
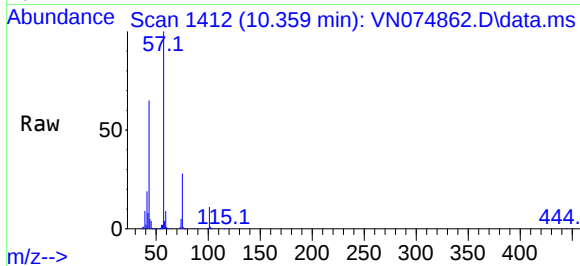




#54
 cis-1,3-Dichloropropene
 Concen: 7.509 ug/l
 RT: 10.359 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN074862.D
 Acq: 11 Oct 2022 21:27

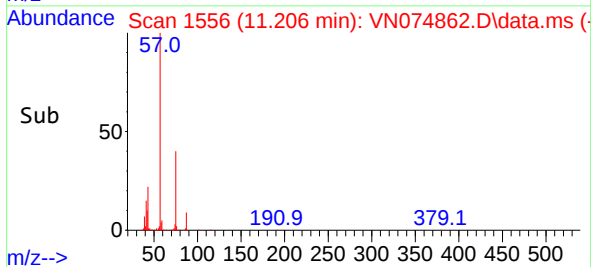
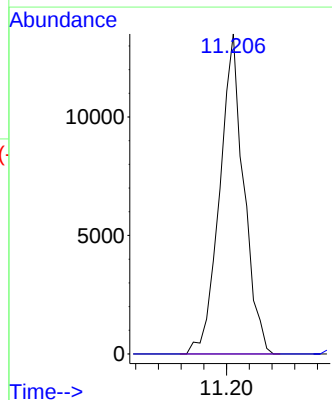
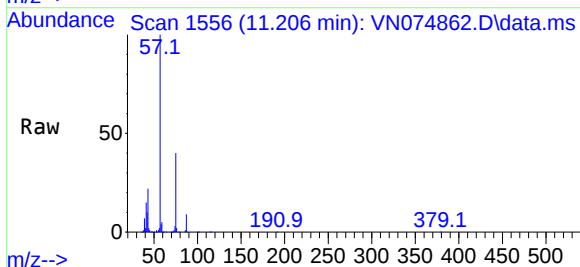
Instrument :
 MSVOA_N
 ClientSampleId :
 PB148255ZHE#11

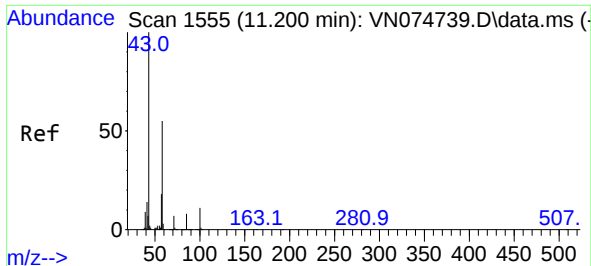
Tgt Ion: 75 Resp: 143541
 Ion Ratio Lower Upper
 75 100
 77 0.9 24.4 36.6#
 39 33.6 38.6 57.8#



#57
 1,3-Dichloropropane
 Concen: 0.999 ug/l
 RT: 11.206 min Scan# 1556
 Delta R.T. 0.041 min
 Lab File: VN074862.D
 Acq: 11 Oct 2022 21:27

Tgt Ion: 76 Resp: 19910
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

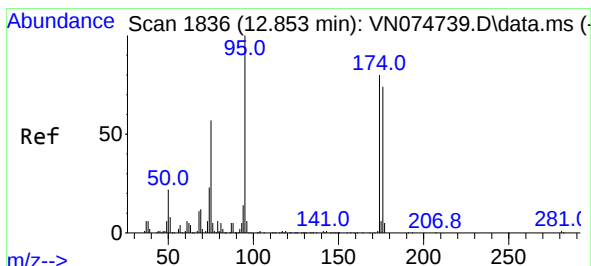
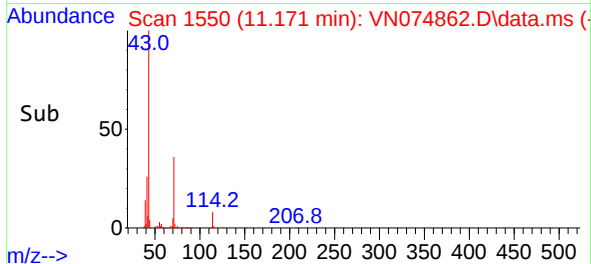
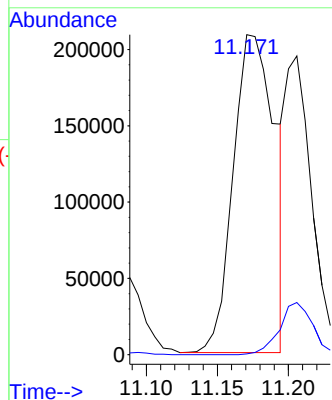
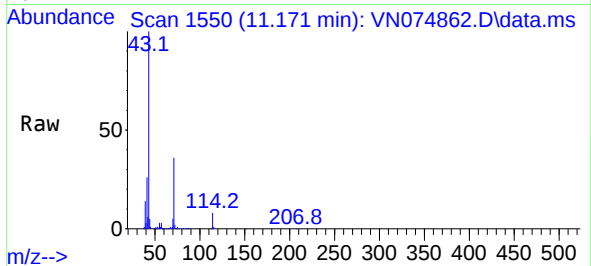




#59
2-Hexanone
Concen: 24.951 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

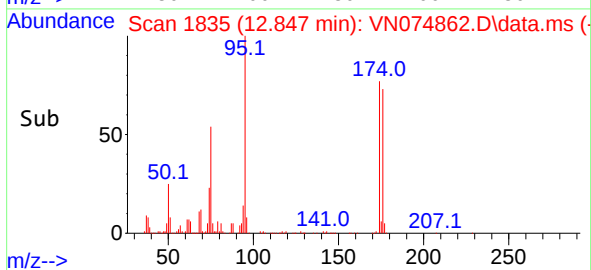
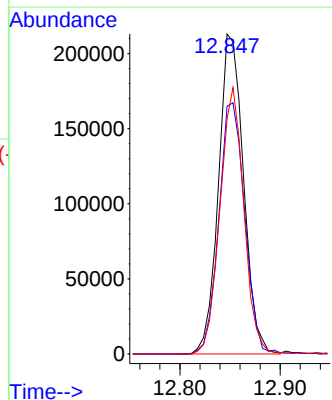
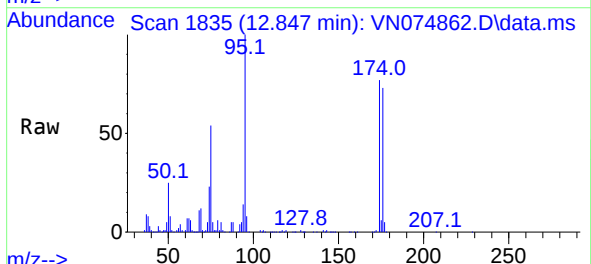
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

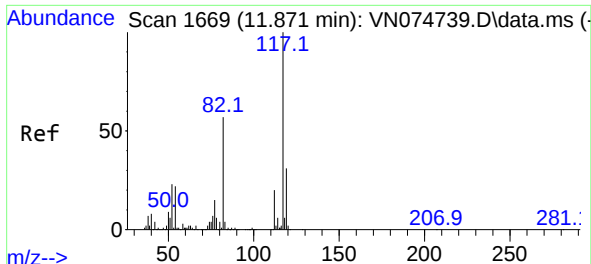
Tgt Ion: 43 Resp: 425984
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.9#



#62
4-Bromofluorobenzene
Concen: 32.279 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 95 Resp: 367830
Ion Ratio Lower Upper
95 100
174 81.4 0.0 149.4
176 79.5 0.0 142.0

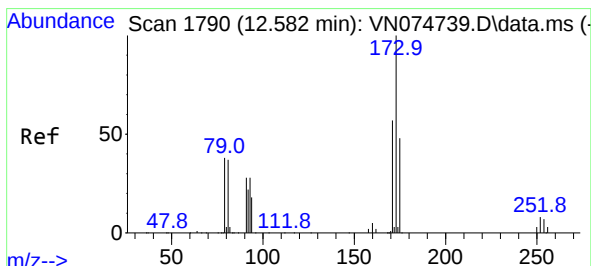
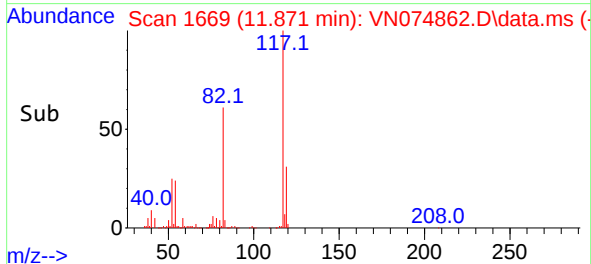
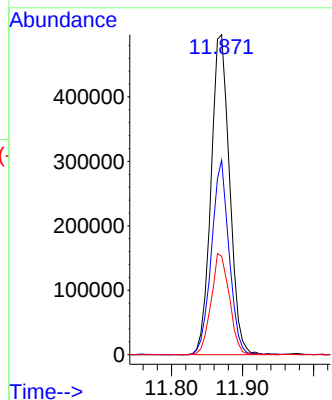
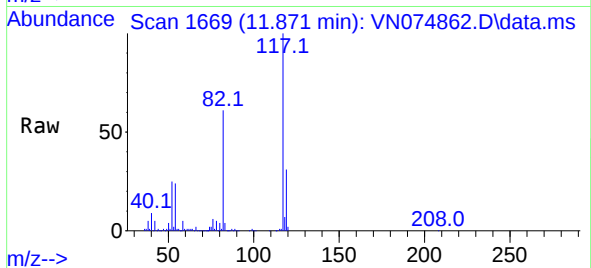




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

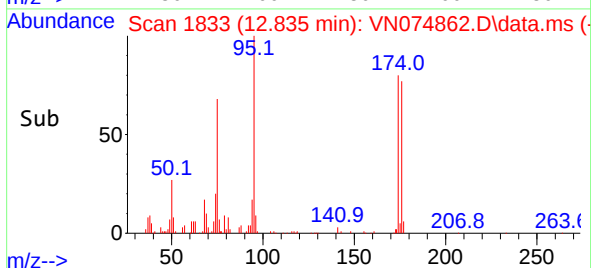
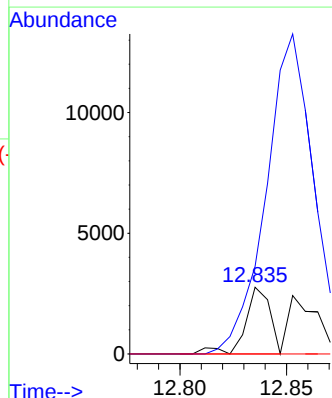
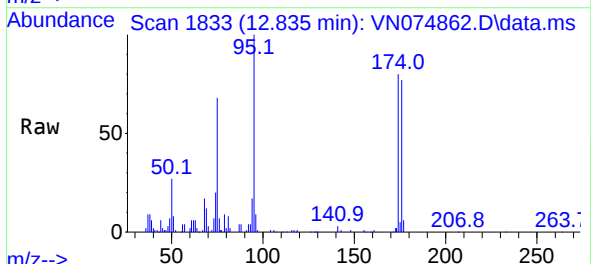
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

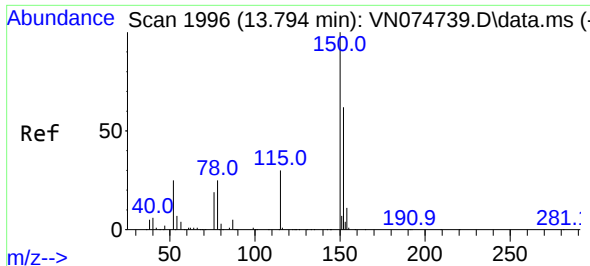
Tgt Ion:117 Resp: 900654
Ion Ratio Lower Upper
117 100
82 60.8 45.4 68.2
119 30.8 25.1 37.7



#71
Bromoform
Concen: 0.288 ug/l
RT: 12.835 min Scan# 1833
Delta R.T. 0.253 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion:173 Resp: 2216
Ion Ratio Lower Upper
173 100
175 775.5 23.9 71.7#
254 0.0 0.1 0.1#

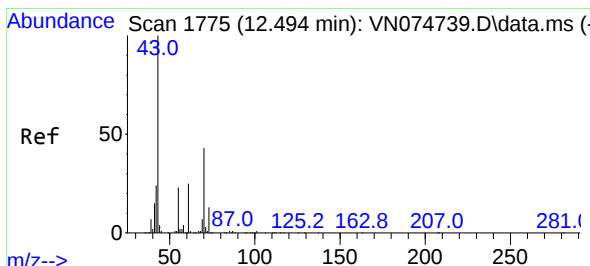
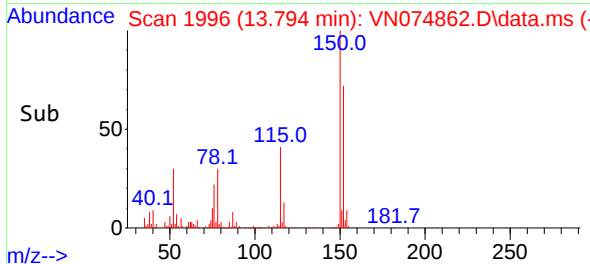
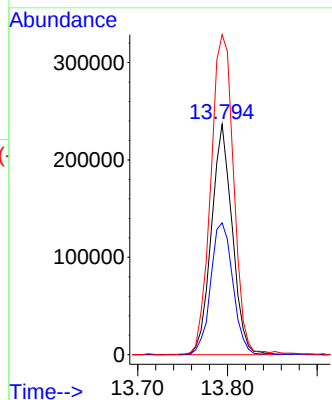
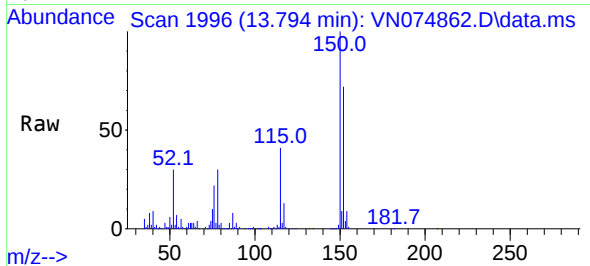




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

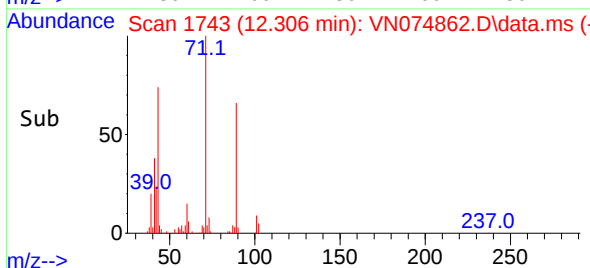
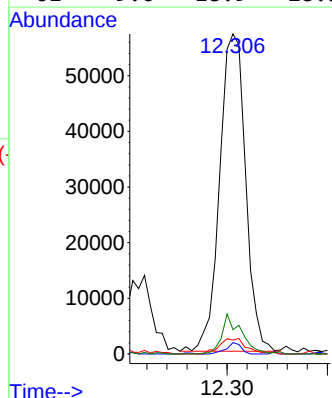
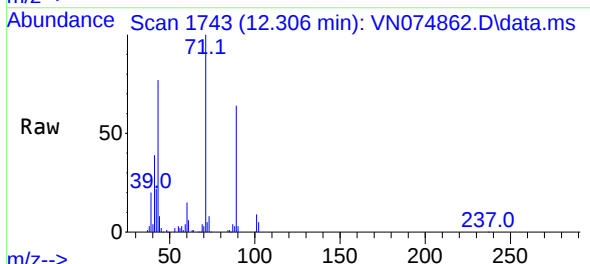
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

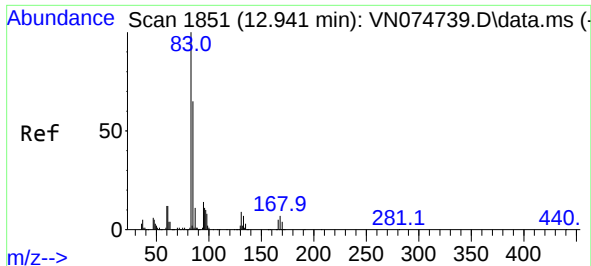
Tgt Ion:152 Resp: 382027
Ion Ratio Lower Upper
152 100
115 60.8 30.0 90.0
150 153.3 0.0 356.4



#74
N-ethyl acetate
Concen: 4.605 ug/l
RT: 12.306 min Scan# 1743
Delta R.T. -0.188 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 43 Resp: 102363
Ion Ratio Lower Upper
43 100
70 2.0 32.9 49.3#
55 5.1 17.8 26.6#
61 9.6 18.9 28.3#

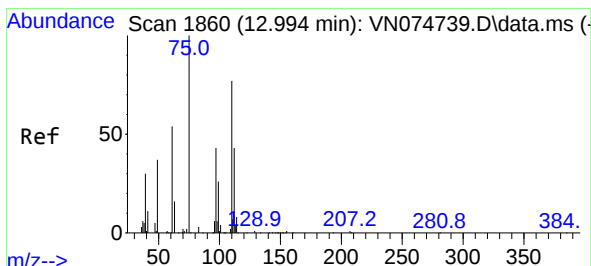
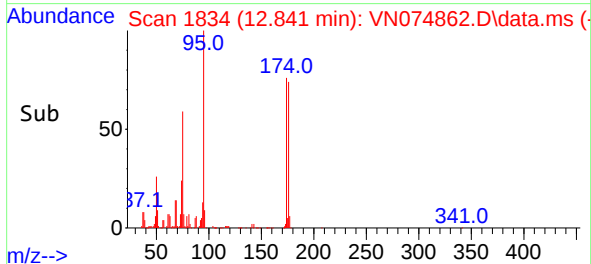
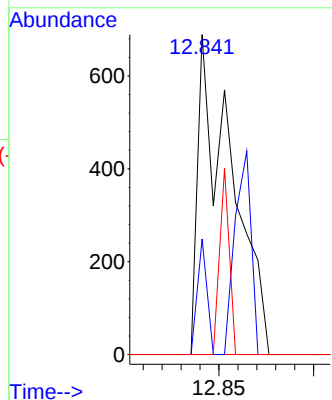
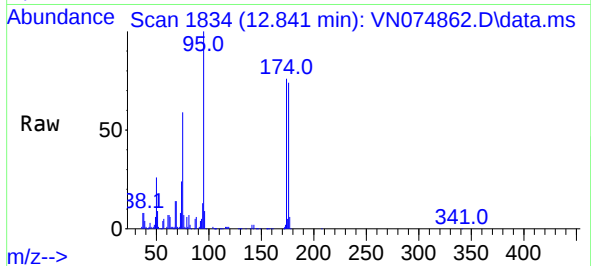




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.841 min Scan# 1834
Delta R.T. -0.100 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

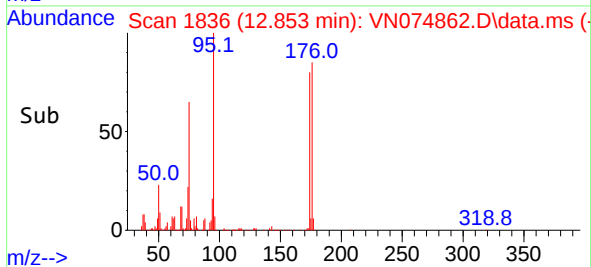
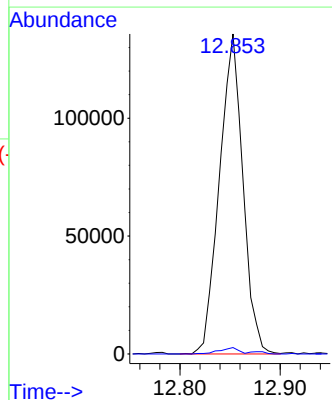
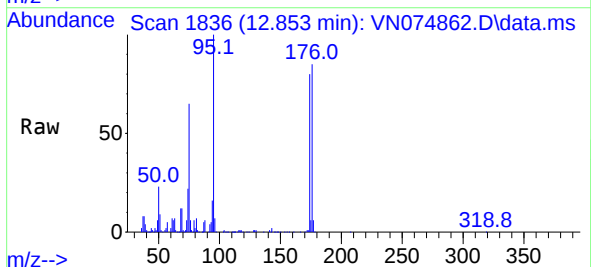
Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

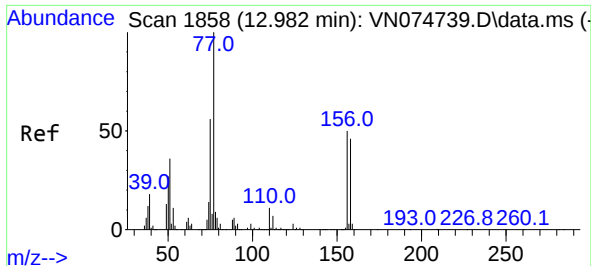
Tgt Ion: 83 Resp: 836
Ion Ratio Lower Upper
83 100
131 10.5 4.3 12.8
85 0.0 32.9 98.6#



#76
1,2,3-Trichloropropane
Concen: 19.354 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 75 Resp: 220688
Ion Ratio Lower Upper
75 100
77 1.6 76.9 230.7#

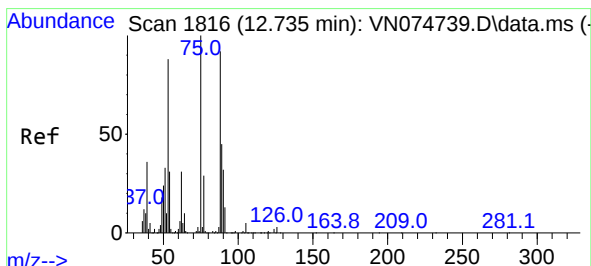
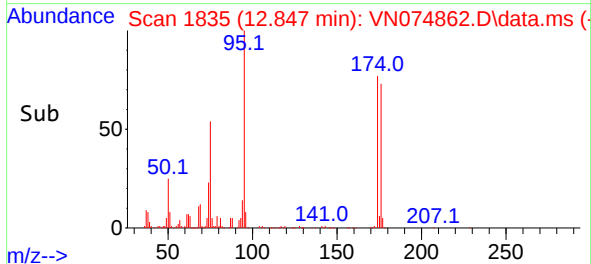
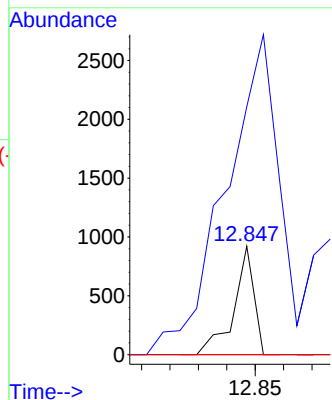
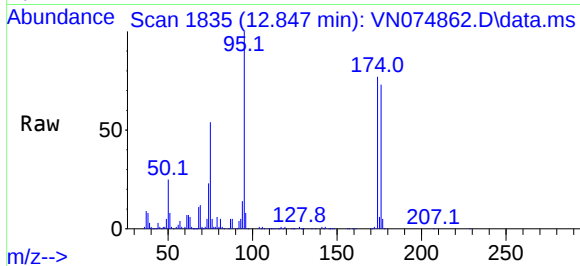




#77
Bromobenzene
Concen: Below Cal
RT: 12.847 min Scan# 1835
Delta R.T. -0.135 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Instrument :
MSVOA_N
ClientSampleId :
PB148255ZHE#11

Tgt Ion:156 Resp: 453
Ion Ratio Lower Upper
156 100
77 778.1 124.7 374.1#
158 0.0 48.3 144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 37.709 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.118 min
Lab File: VN074862.D
Acq: 11 Oct 2022 21:27

Tgt Ion: 75 Resp: 220688
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.0 32.1 48.1#

