

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076030.D
 Acq On : 29 Dec 2022 04:07
 Operator : JC\MD
 Sample : PB149923ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#11

Quant Time: Dec 29 07:51:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

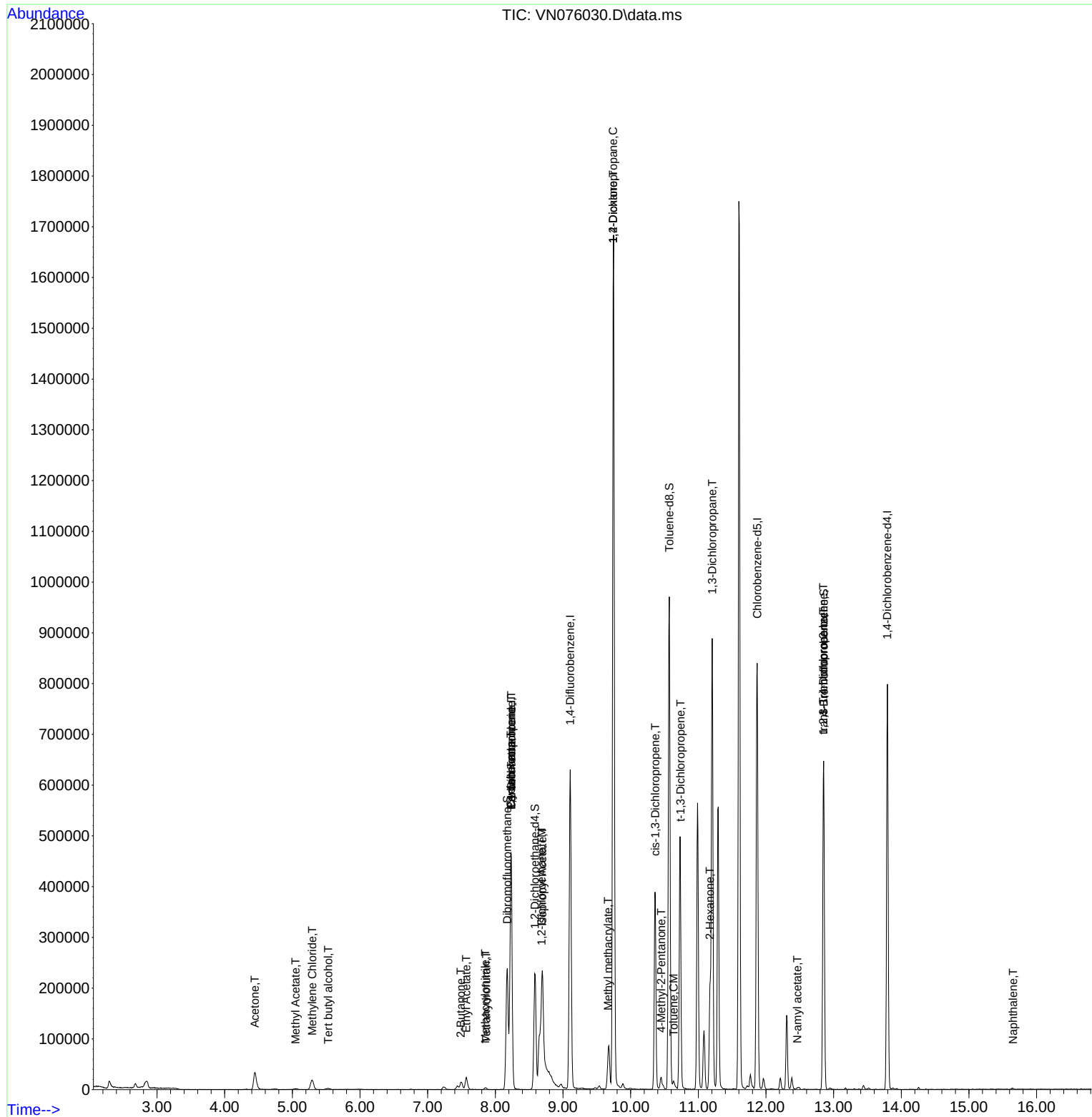
Internal Standards						
1) Pentafluorobenzene	8.235	168	366693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	585406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	521938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	221651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	186715	46.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.600%		
35) Dibromofluoromethane	8.177	113	172741	47.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.300%		
50) Toluene-d8	10.571	98	681645	50.288	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.580%		
62) 4-Bromofluorobenzene	12.853	95	220976	49.221	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.440%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	3152	5.584	ug/l #	72
16) Acetone	4.447	43	64660	47.019	ug/l	98
18) Methyl Acetate	5.047	43	3225	0.793	ug/l	96
20) Methylene Chloride	5.294	84	16627	3.930	ug/l	96
25) 2-Butanone	7.488	43	23115	12.005	ug/l	91
29) Tetrahydrofuran	7.865	42	2469	2.046	ug/l #	87
31) Cyclohexane	8.230	56	6712	1.175	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	26435	5.489	ug/l #	49
37) Ethyl Acetate	7.571	43	32132	8.306	ug/l	98
38) Carbon Tetrachloride	8.235	117	36632	6.796	ug/l #	16
41) Methacrylonitrile	7.853	41	1361	0.677	ug/l #	32
42) 1,2-Dichloroethane	8.682	62	1817	0.368	ug/l #	72
43) Isopropyl Acetate	8.694	43	427898	67.057	ug/l #	68
45) 1,2-Dichloropropane	9.741	63	2307	0.638	ug/l #	43
48) Methyl methacrylate	9.665	41	5044	1.755	ug/l #	37
49) 1,4-Dioxane	9.741	88	185	2.618	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	20936	5.425	ug/l #	79
52) Toluene	10.635	92	6349	0.656	ug/l	93
53) t-1,3-Dichloropropene	10.735	75	1407	0.273	ug/l	89
54) cis-1,3-Dichloropropene	10.365	75	79863	14.129	ug/l #	60
57) 1,3-Dichloropropane	11.206	76	10315	1.656	ug/l #	42
59) 2-Hexanone	11.171	43	149646	53.174	ug/l #	20
74) N-amyl acetate	12.465	43	1983	0.422	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	111382	24.929	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	111382	89.732	ug/l #	12
95) Naphthalene	15.653	128	2276	2.358	ug/l #	90

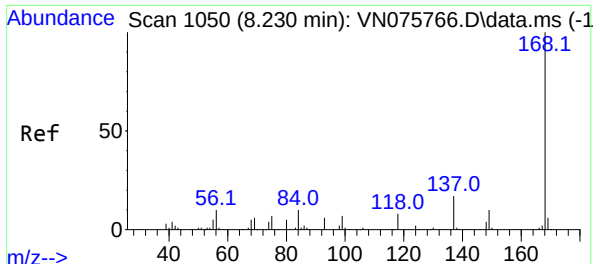
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
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Sample : PB149923ZHE#11
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 29 07:51:00 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. 0.005 min

Lab File: VN076030.D

Acq: 29 Dec 2022 04:07

Instrument :

MSVOA_N

ClientSampleId :

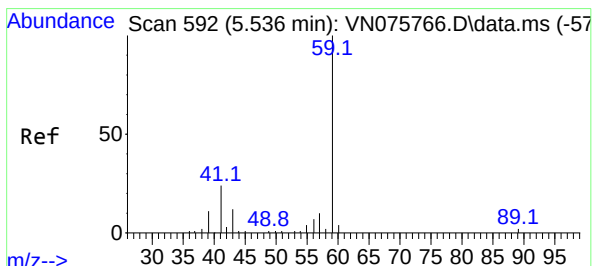
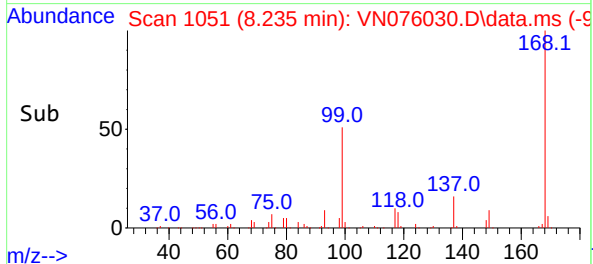
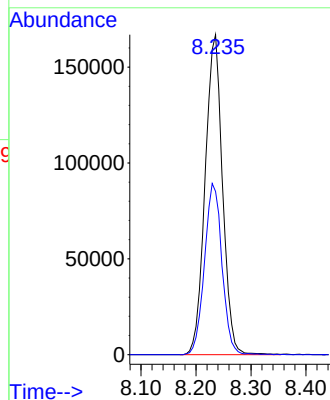
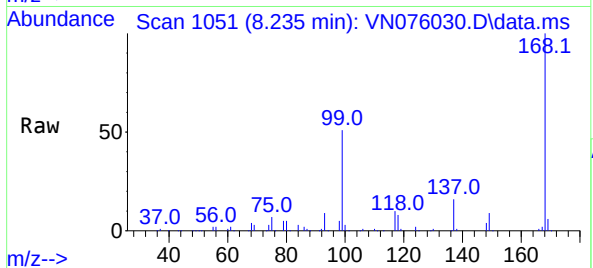
PB149923ZHE#11

Tgt Ion:168 Resp: 366693

Ion Ratio Lower Upper

168 100

99 51.0 44.2 66.4



#11

Tert butyl alcohol

Concen: 5.584 ug/l

RT: 5.530 min Scan# 591

Delta R.T. -0.006 min

Lab File: VN076030.D

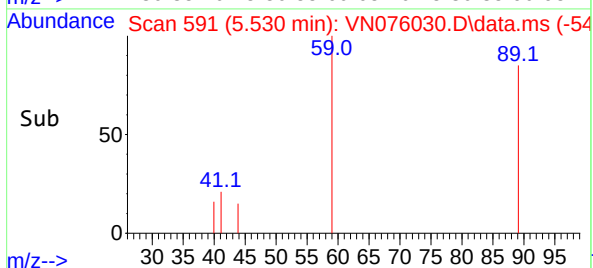
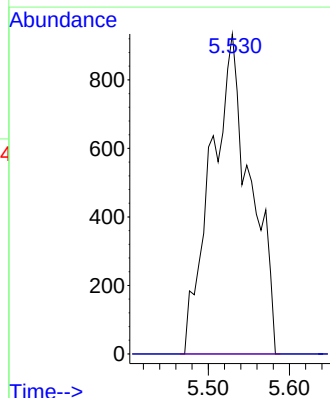
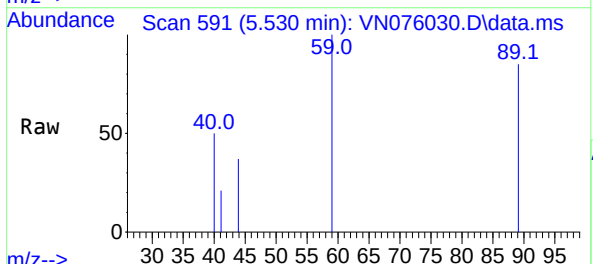
Acq: 29 Dec 2022 04:07

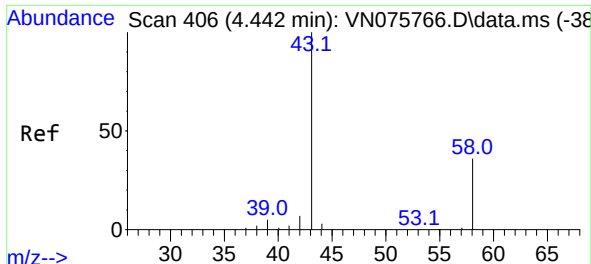
Tgt Ion: 59 Resp: 3152

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

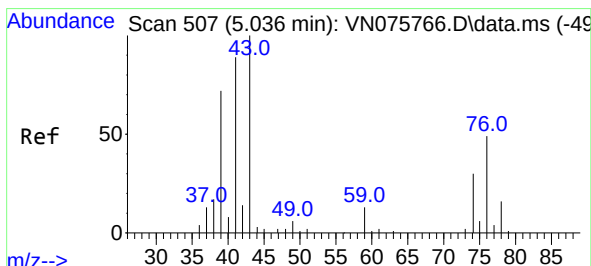
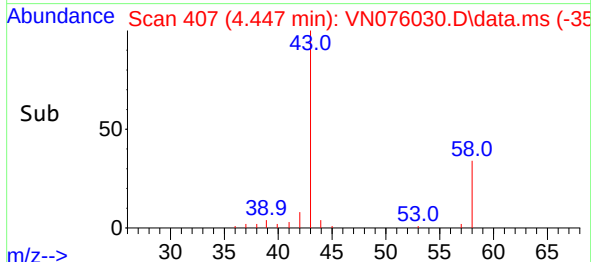
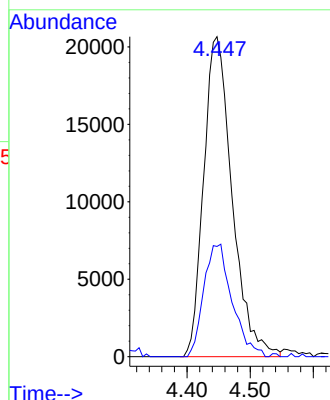
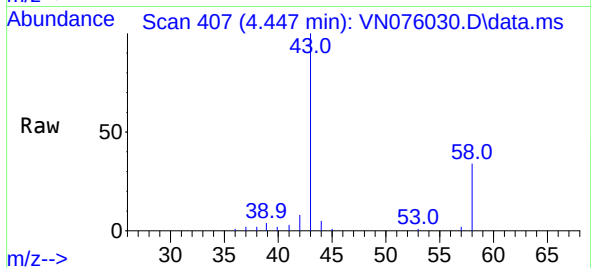




#16
Acetone
Concen: 47.019 ug/l
RT: 4.447 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

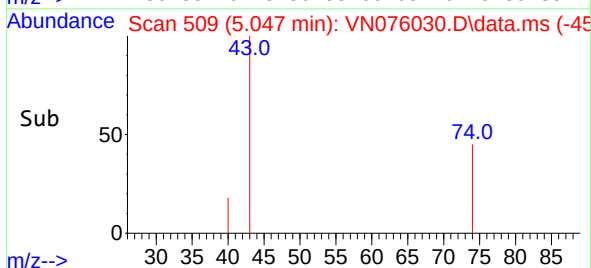
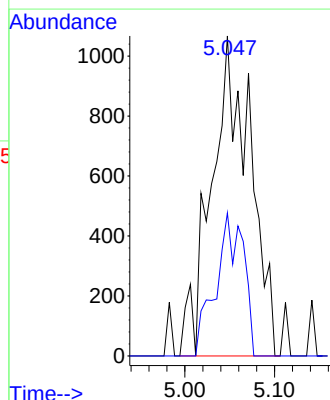
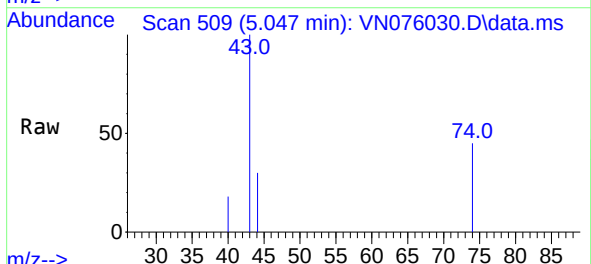
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

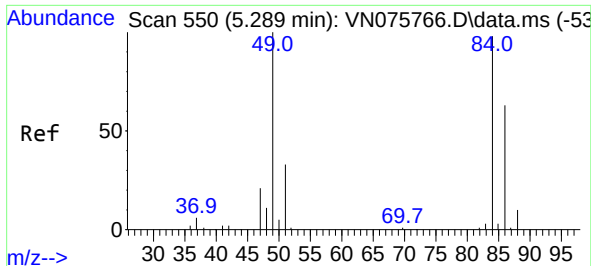
Tgt Ion: 43 Resp: 64660
Ion Ratio Lower Upper
43 100
58 34.4 28.6 43.0



#18
Methyl Acetate
Concen: 0.793 ug/l
RT: 5.047 min Scan# 509
Delta R.T. 0.012 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 43 Resp: 3225
Ion Ratio Lower Upper
43 100
74 31.7 23.6 35.4



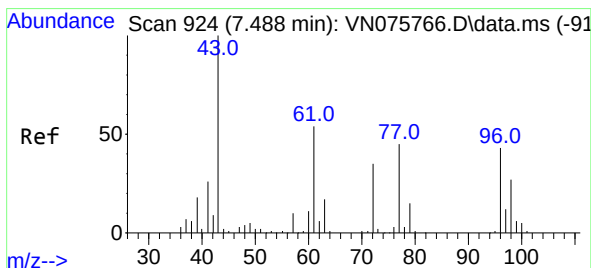
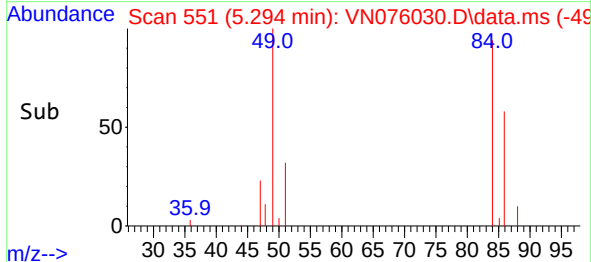
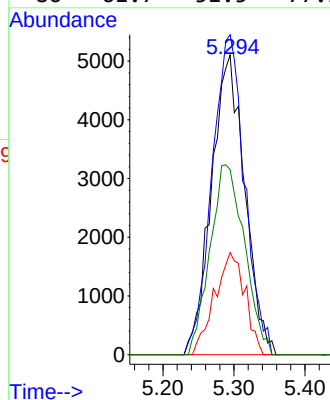
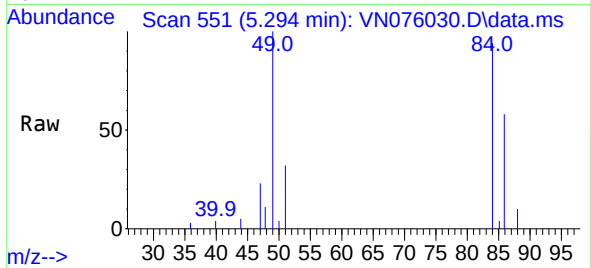


#20
Methylene Chloride
Concen: 3.930 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

Tgt Ion: 84 Resp: 16627

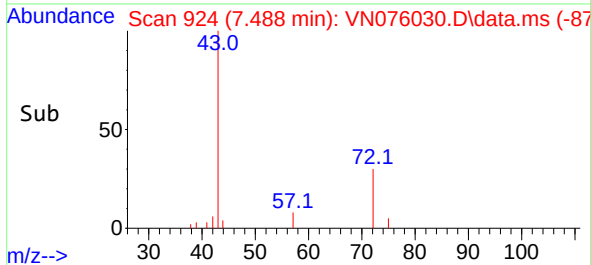
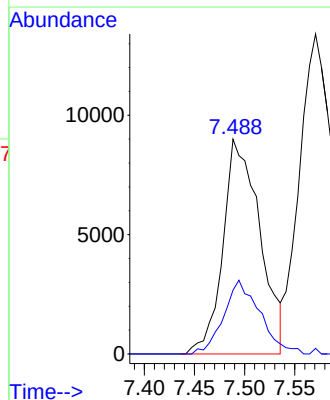
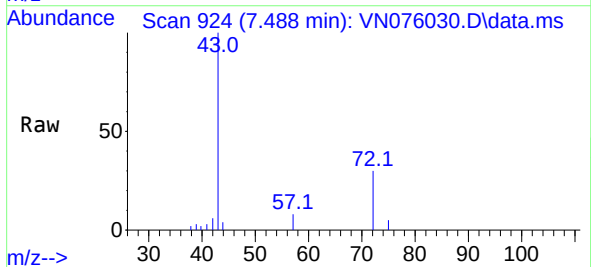
Ion	Ratio	Lower	Upper
84	100		
49	106.8	81.8	122.6
51	34.1	26.7	40.1
86	61.7	51.5	77.3

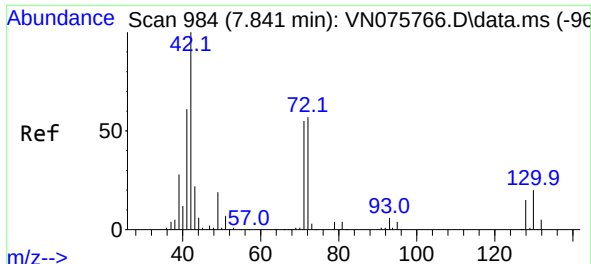


#25
2-Butanone
Concen: 12.005 ug/l
RT: 7.488 min Scan# 924
Delta R.T. -0.000 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 43 Resp: 23115

Ion	Ratio	Lower	Upper
43	100		
72	29.7	28.0	42.0

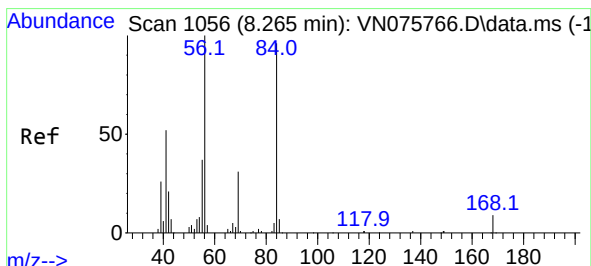
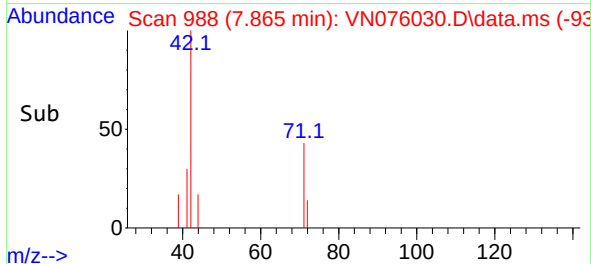
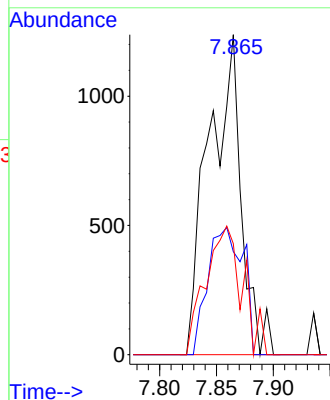
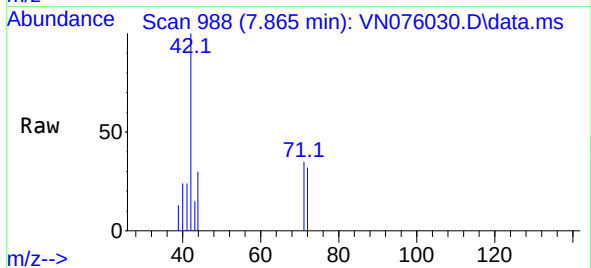




#29
Tetrahydrofuran
Concen: 2.046 ug/l
RT: 7.865 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

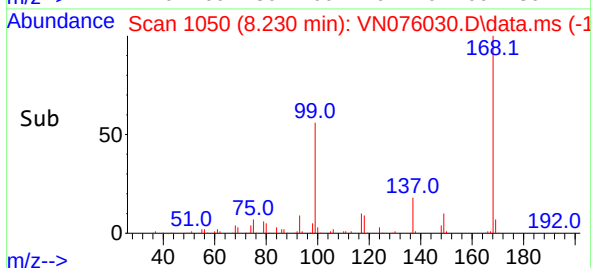
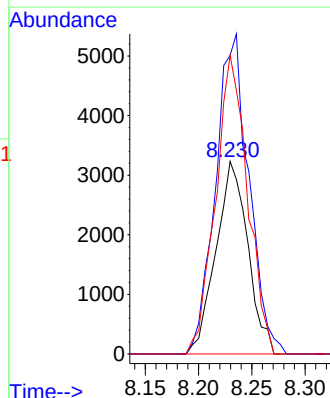
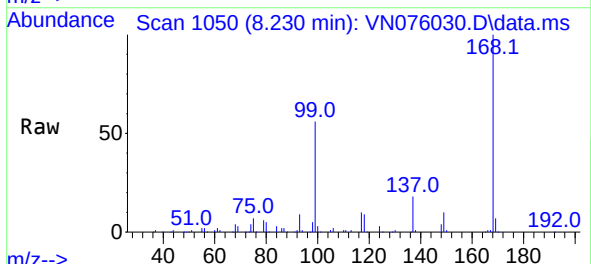
Instrument :
MSVOA_N
ClientSampleId :
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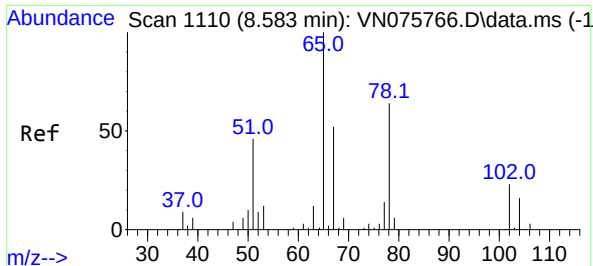
Tgt Ion: 42 Resp: 2469
Ion Ratio Lower Upper
42 100
72 43.1 44.5 66.7#
71 45.4 41.0 61.6



#31
Cyclohexane
Concen: 1.175 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 56 Resp: 6712
Ion Ratio Lower Upper
56 100
69 155.1 24.7 37.1#
84 155.1 76.5 114.7#

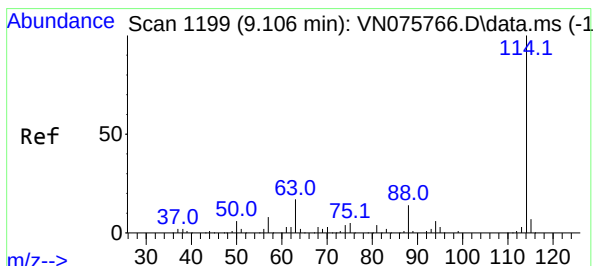
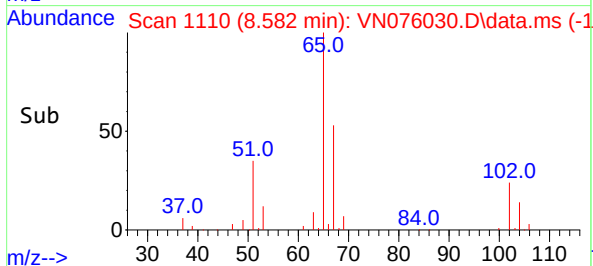
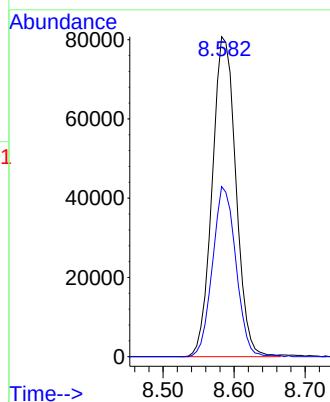
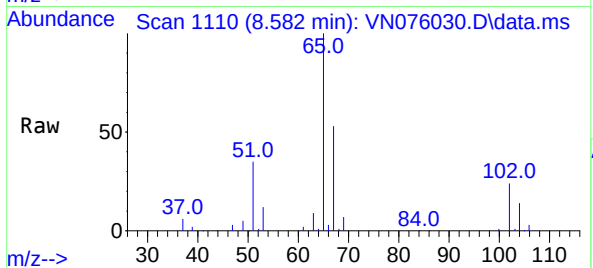




#33
1,2-Dichloroethane-d4
Concen: 46.804 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

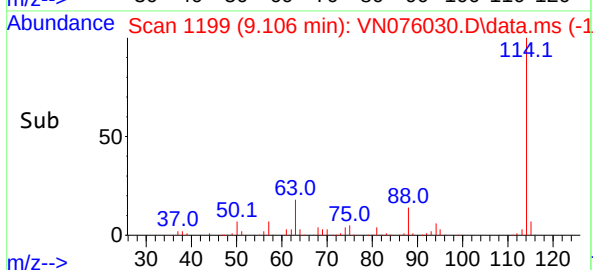
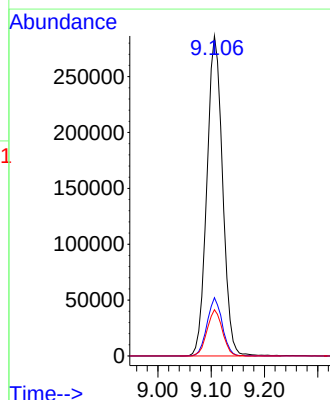
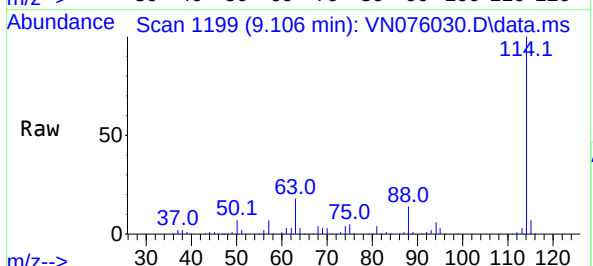
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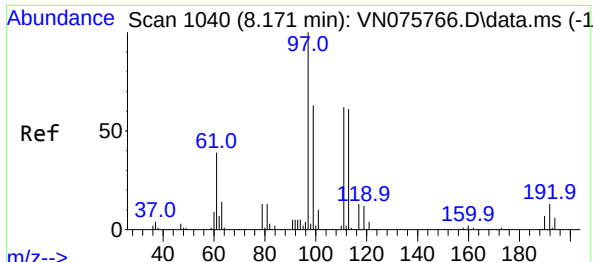
Tgt Ion: 65 Resp: 186715
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 114 Resp: 585406
Ion Ratio Lower Upper
114 100
63 18.2 0.0 34.4
88 14.4 0.0 28.8

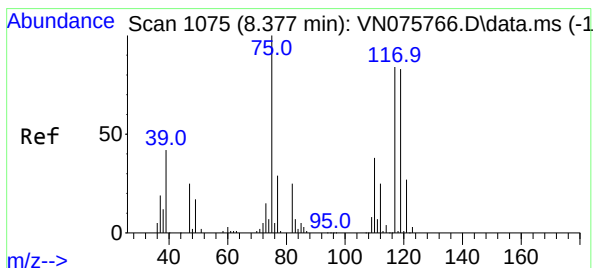
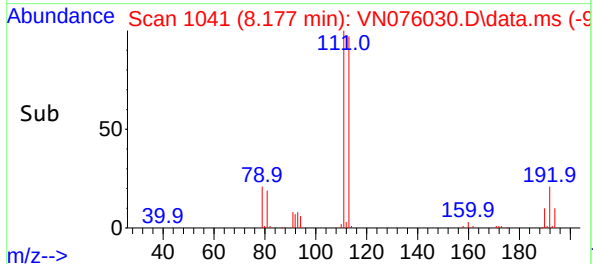
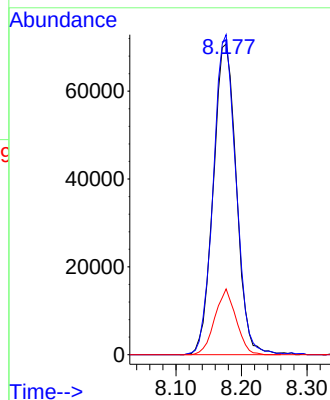
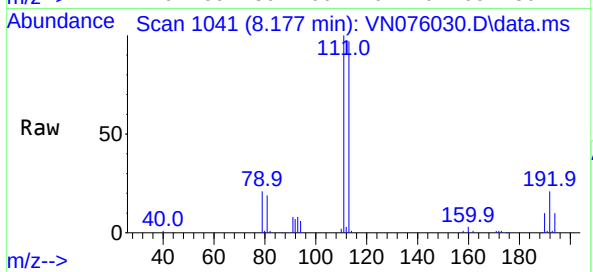




#35
Dibromofluoromethane
Concen: 47.648 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

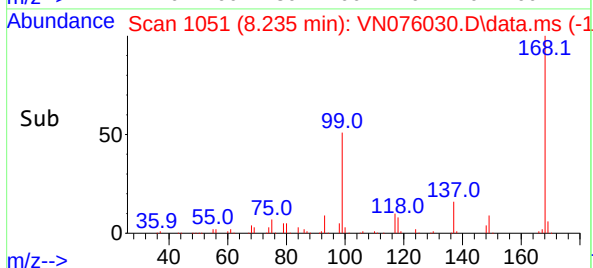
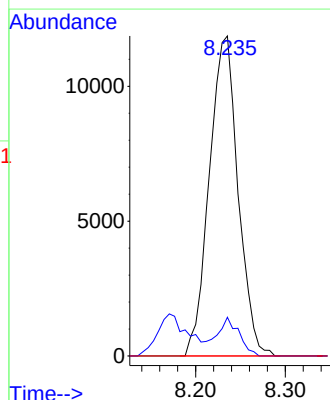
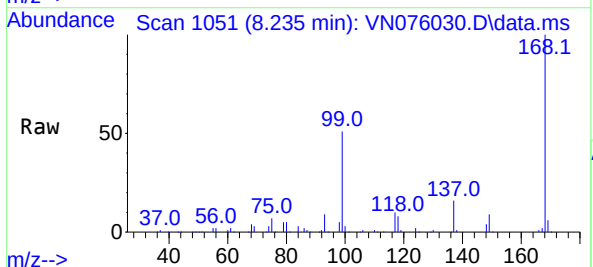
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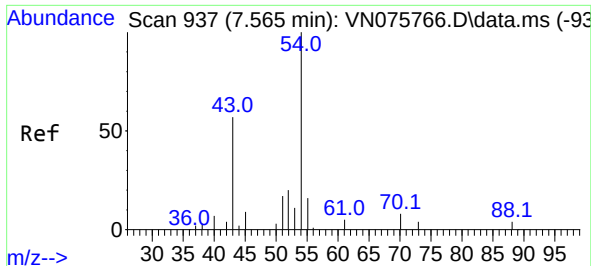
Tgt Ion:113 Resp: 172741
Ion Ratio Lower Upper
113 100
111 101.3 83.4 125.2
192 19.5 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.489 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 75 Resp: 26435
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.4#
77 0.0 24.1 36.1#

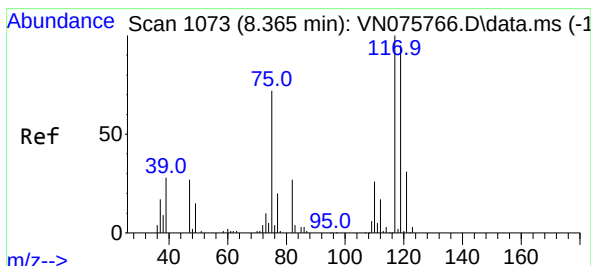
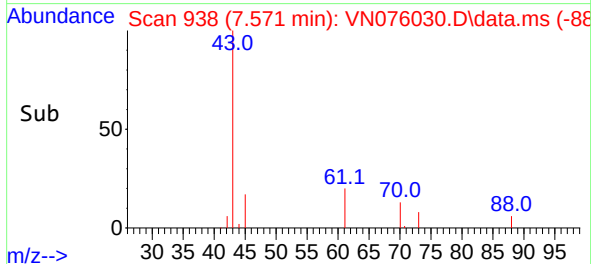
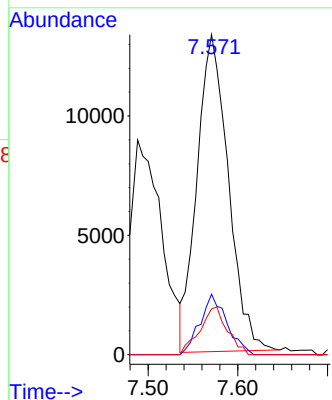
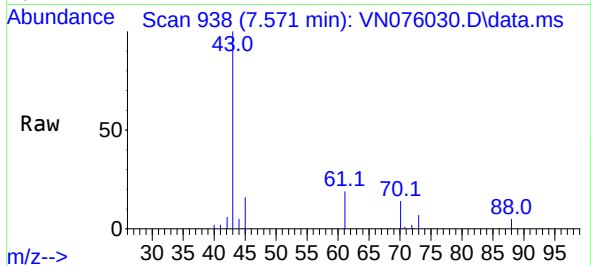




#37
Ethyl Acetate
Concen: 8.306 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

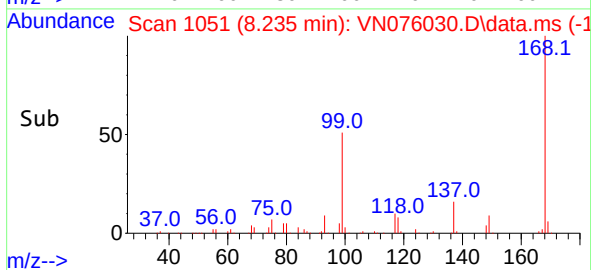
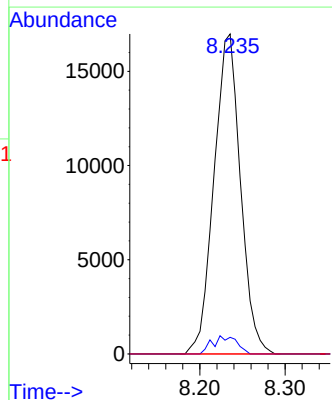
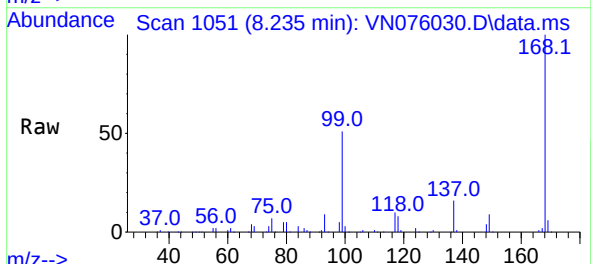
Instrument :
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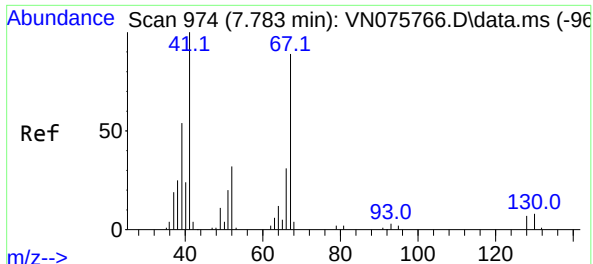
Tgt Ion: 43	Resp: 32132
Ion Ratio	Lower Upper
43 100	
61 16.4	13.0 19.4
70 13.2	9.4 14.0



#38
Carbon Tetrachloride
Concen: 6.796 ug/l
RT: 8.235 min Scan# 1051
Delta R.T. -0.129 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion:117	Resp:	36632	
Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.1	114.1#
121	0.0	24.5	36.7#

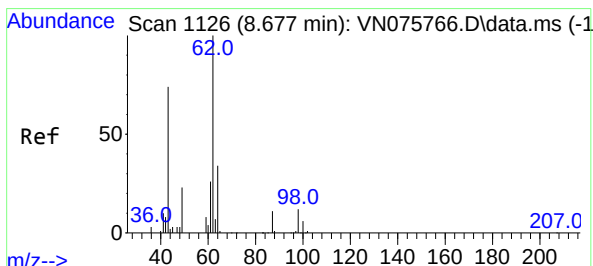
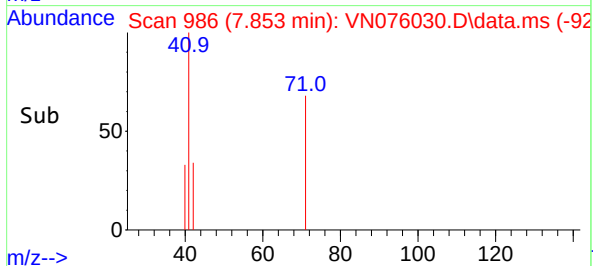
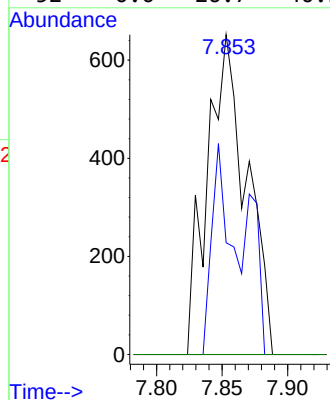
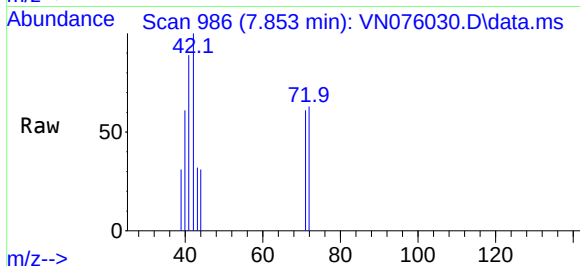




#41
Methacrylonitrile
Concen: 0.677 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

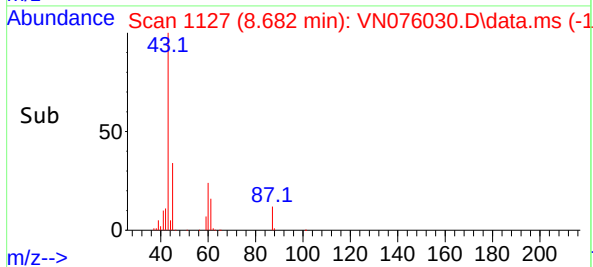
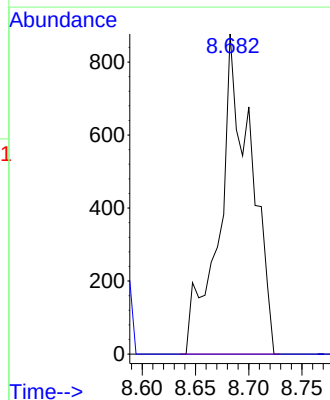
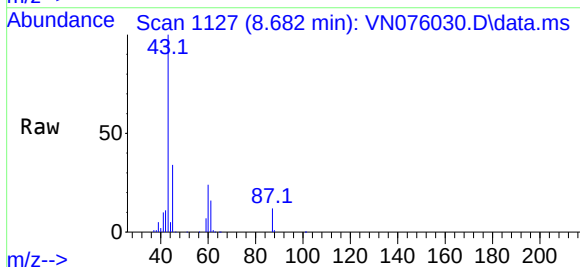
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

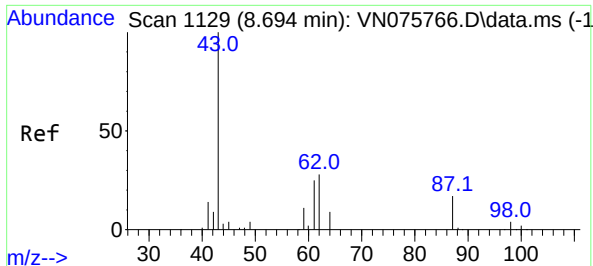
Tgt Ion:	41	Resp:	1361
Ion	Ratio	Lower	Upper
41	100		
39	32.8	43.1	64.7#
67	0.0	70.7	106.1#
52	0.0	26.7	40.1#



#42
1,2-Dichloroethane
Concen: 0.368 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion:	62	Resp:	1817
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.8

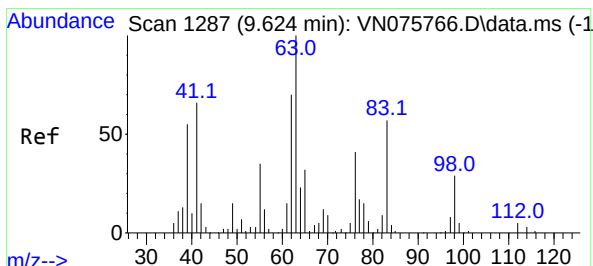
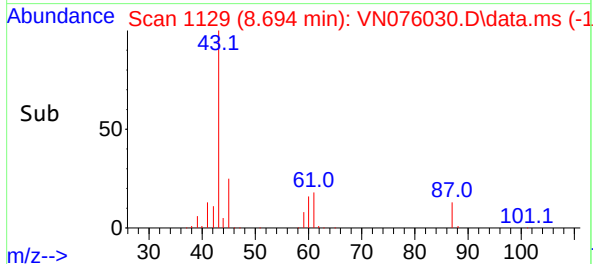
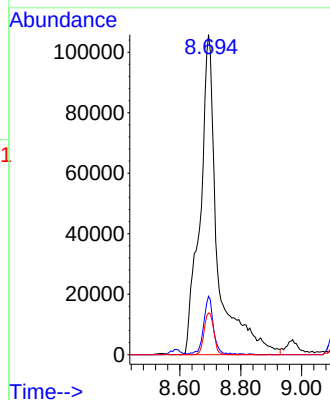
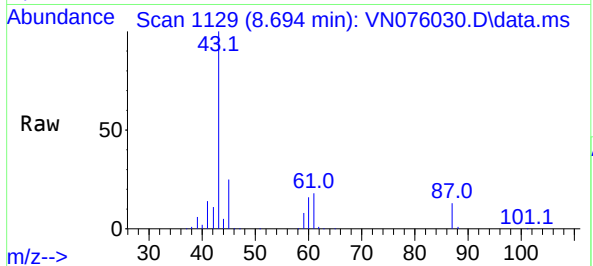




#43
Isopropyl Acetate
Concen: 67.057 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

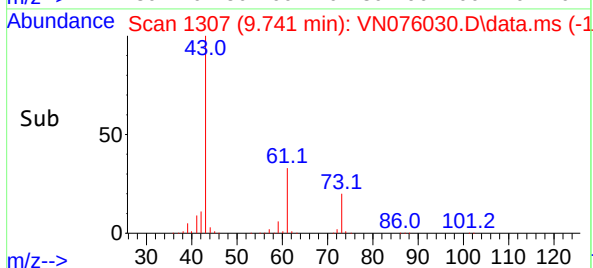
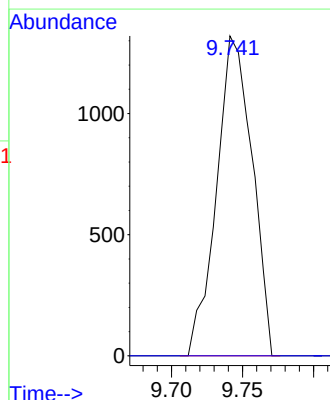
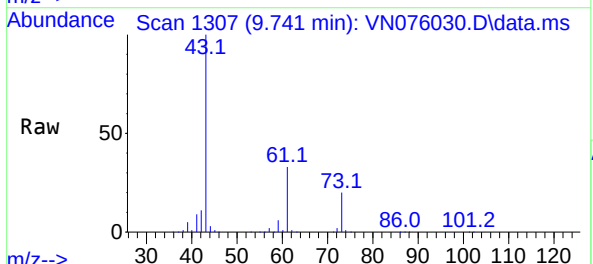
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

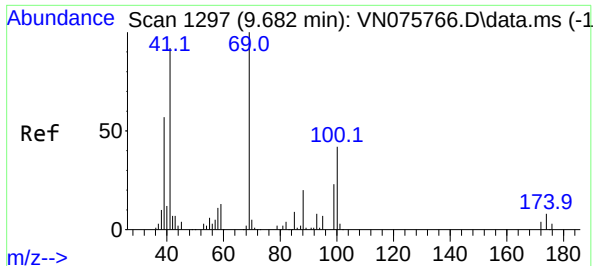
Tgt Ion: 43 Resp: 427898
Ion Ratio Lower Upper
43 100
61 9.7 24.2 36.4#
87 7.1 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.638 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 63 Resp: 2307
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

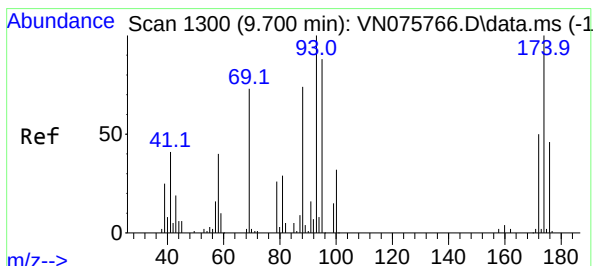
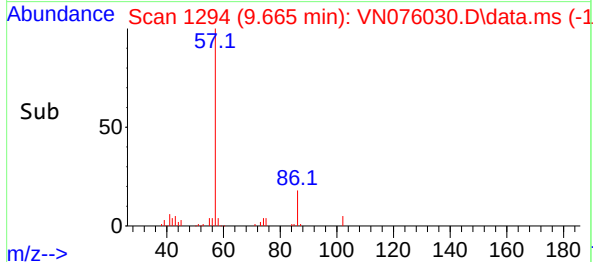
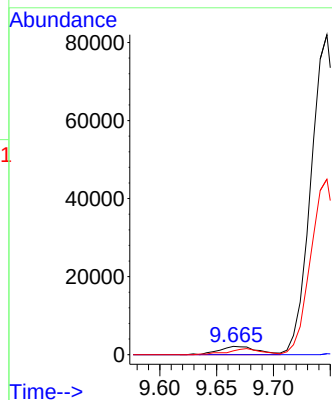
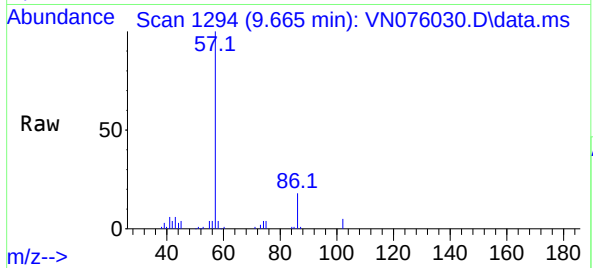




#48
Methyl methacrylate
Concen: 1.755 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

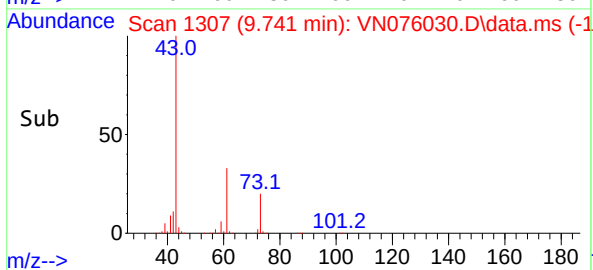
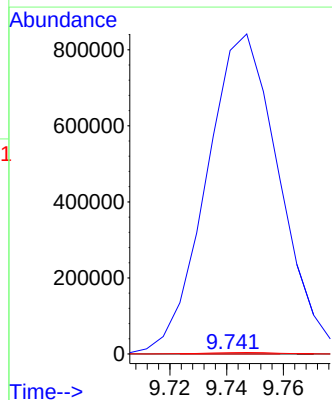
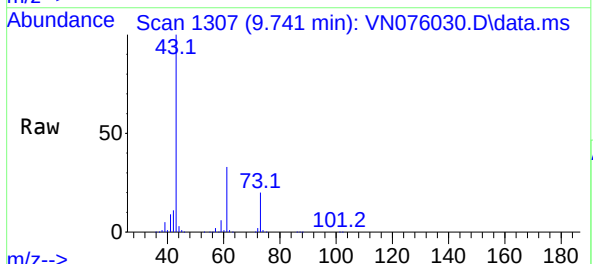
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

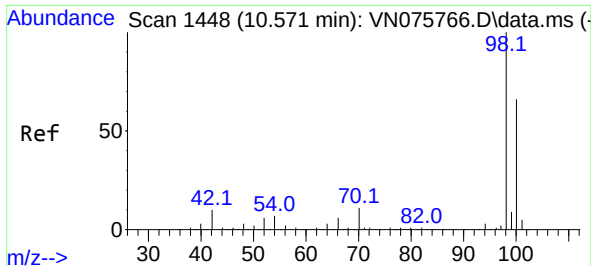
Tgt Ion: 41 Resp: 5044
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 62.7 51.6 77.4



#49
1,4-Dioxane
Concen: 2.618 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 817655.1 17.1 25.7#
58 3778.9 47.8 71.8#

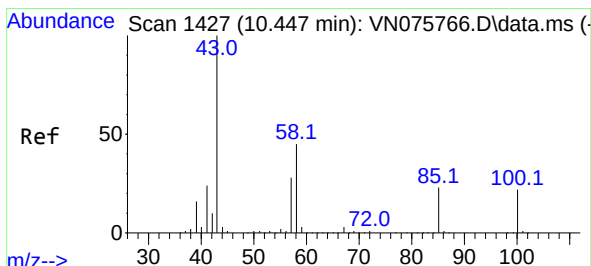
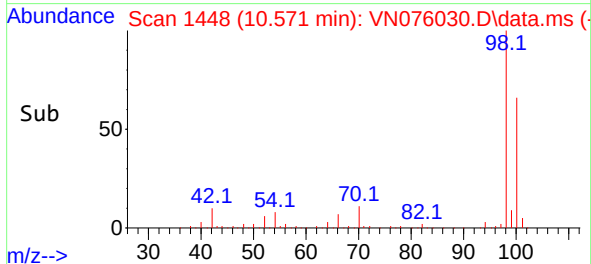
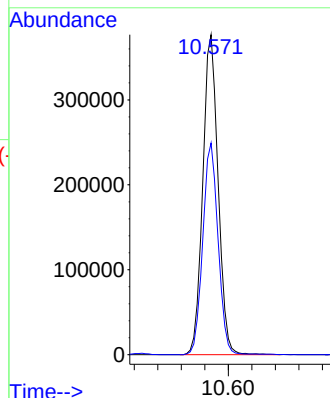
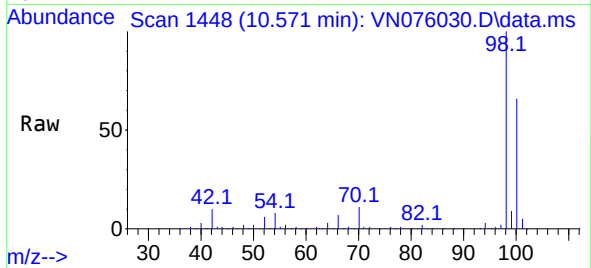




#50
Toluene-d8
Concen: 50.288 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

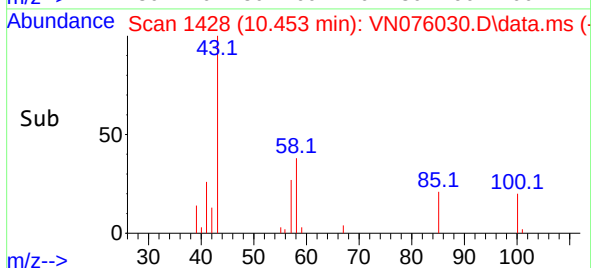
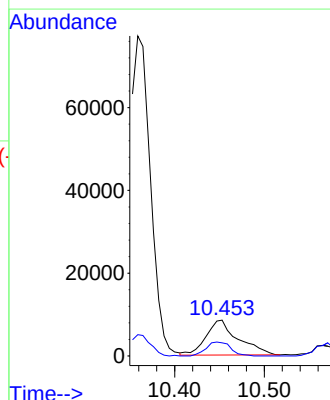
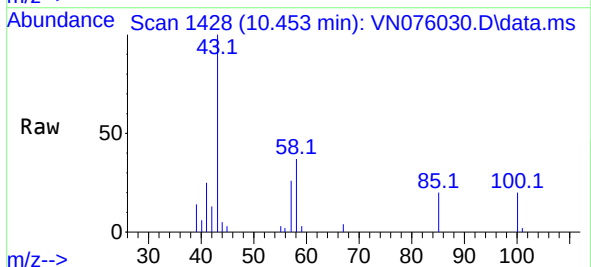
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

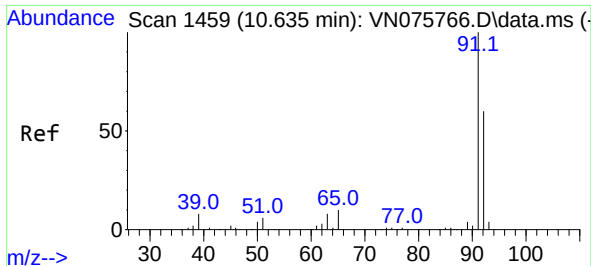
Tgt Ion: 98 Resp: 681645
Ion Ratio Lower Upper
98 100
100 66.2 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.425 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 43 Resp: 20936
Ion Ratio Lower Upper
43 100
58 30.6 35.5 53.3#

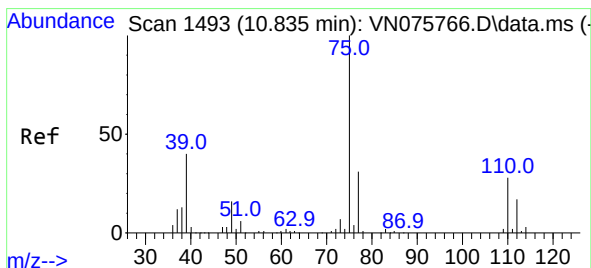
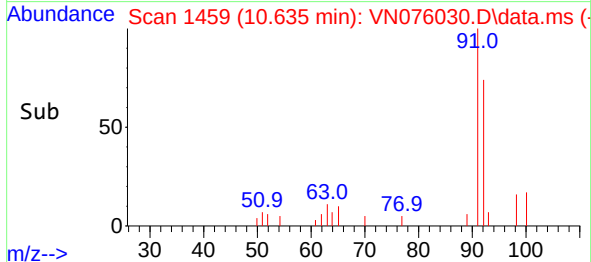
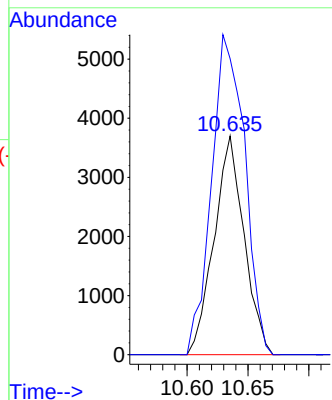
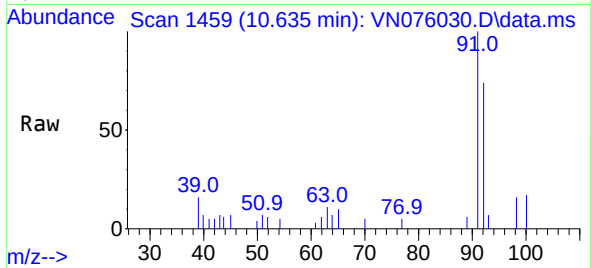




#52
Toluene
Concen: 0.656 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

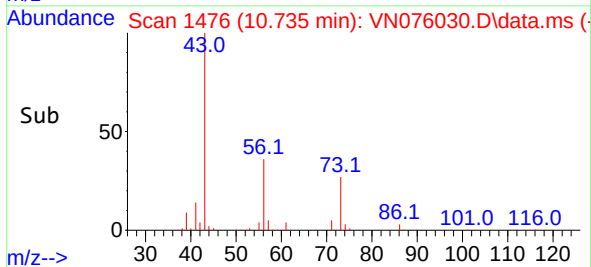
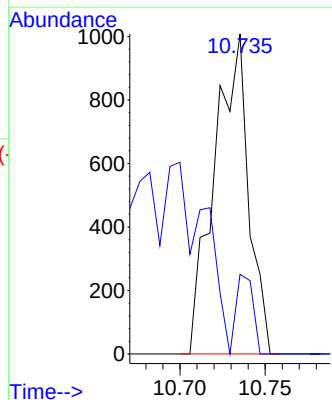
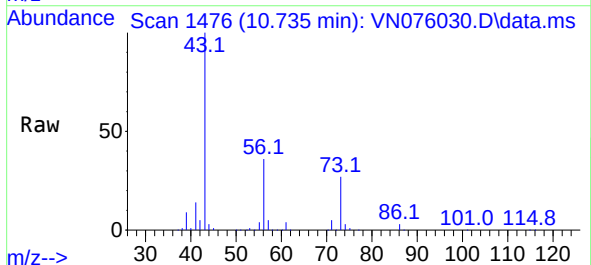
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

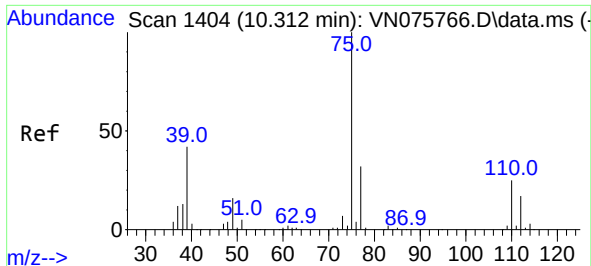
Tgt Ion: 92 Resp: 6349
Ion Ratio Lower Upper
92 100
91 161.9 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.273 ug/l
RT: 10.735 min Scan# 1476
Delta R.T. -0.100 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 75 Resp: 1407
Ion Ratio Lower Upper
75 100
77 24.9 24.9 37.3

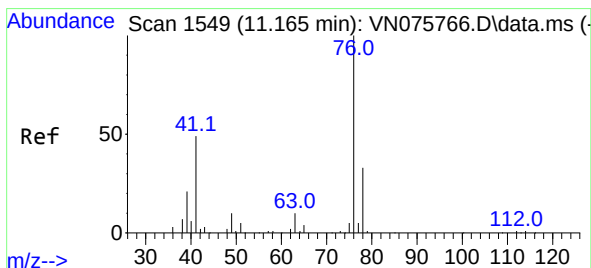
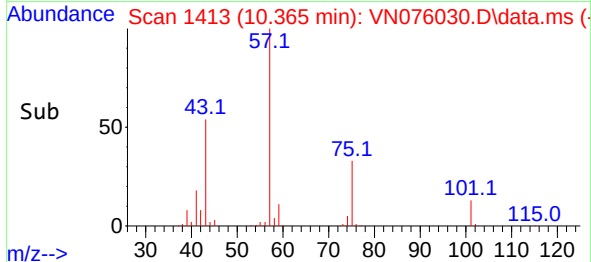
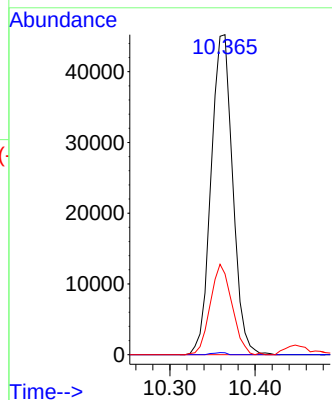
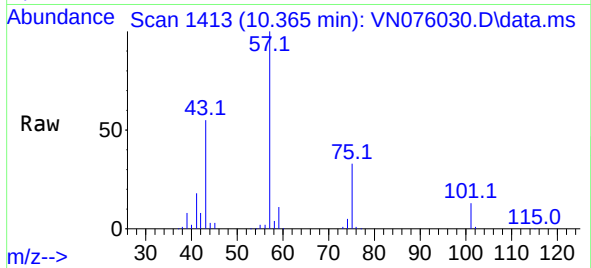




#54
cis-1,3-Dichloropropene
Concen: 14.129 ug/l
RT: 10.365 min Scan# 1413
Delta R.T. 0.053 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

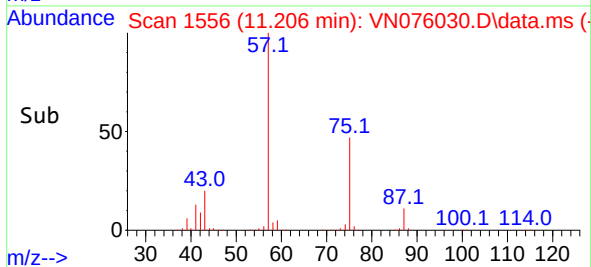
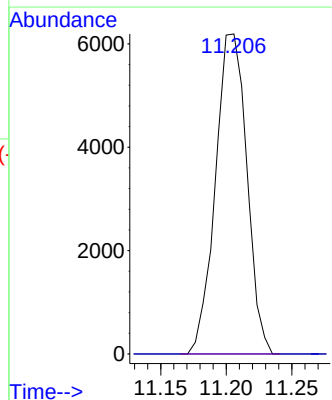
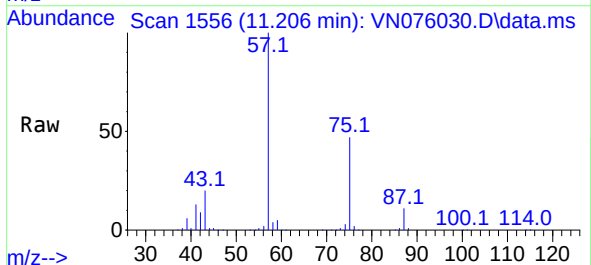
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

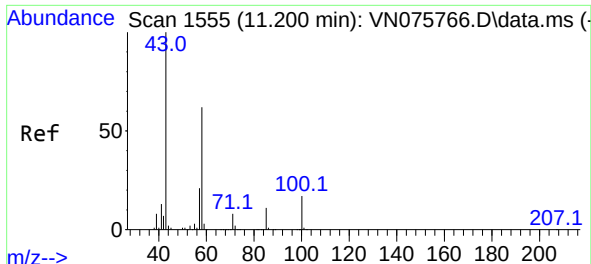
Tgt Ion: 75 Resp: 79863
Ion Ratio Lower Upper
75 100
77 0.6 25.8 38.8#
39 25.2 33.4 50.2#



#57
1,3-Dichloropropane
Concen: 1.656 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 76 Resp: 10315
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

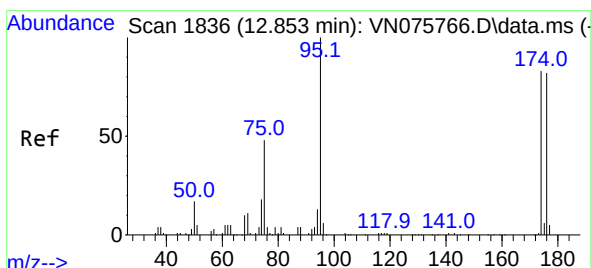
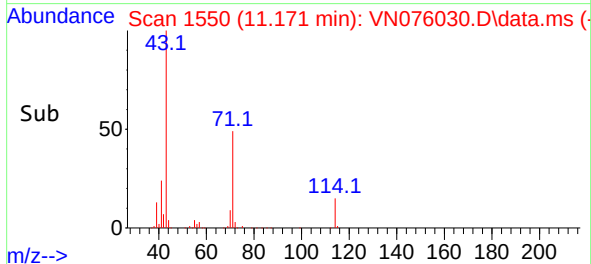
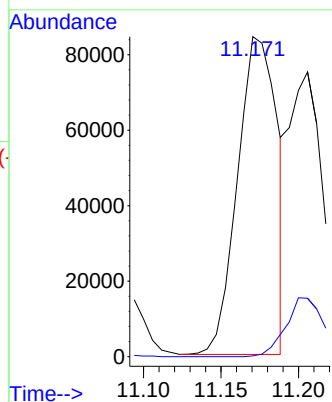
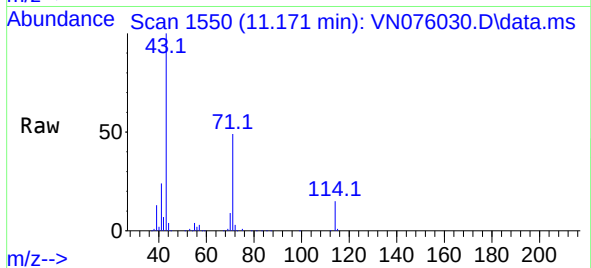




#59
2-Hexanone
Concen: 53.174 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.029 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

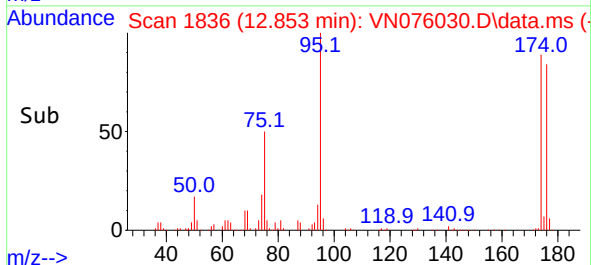
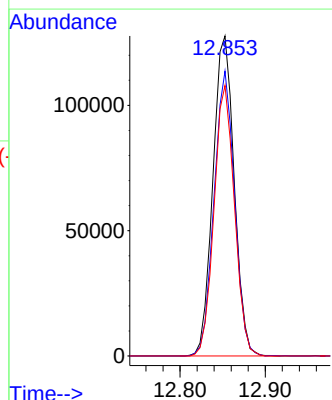
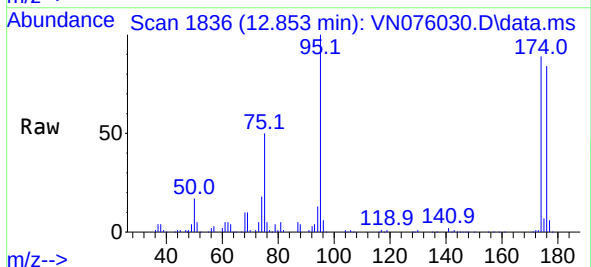
Instrument :
MSVOA_N
ClientSampleId :
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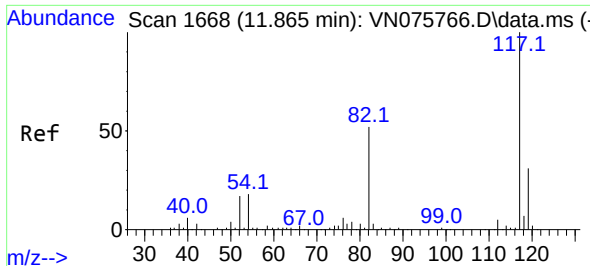
Tgt Ion: 43 Resp: 149646
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 49.221 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 95 Resp: 220976
Ion Ratio Lower Upper
95 100
174 86.1 0.0 171.6
176 81.3 0.0 169.2

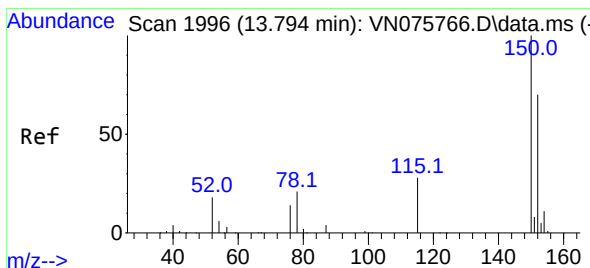
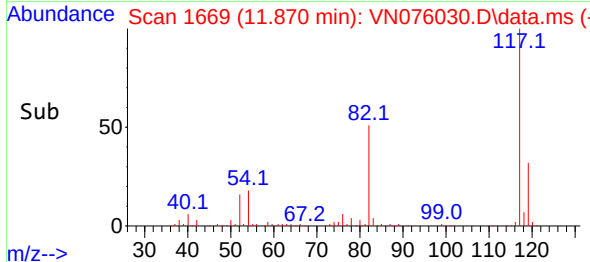
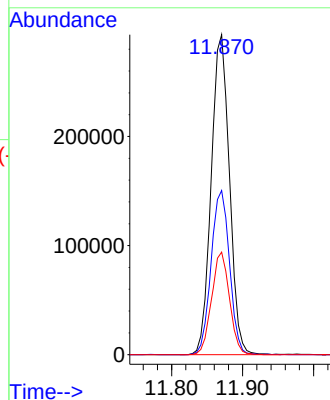
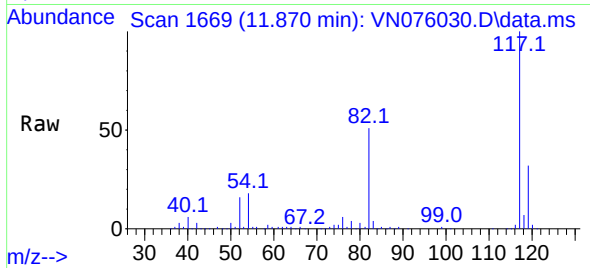




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

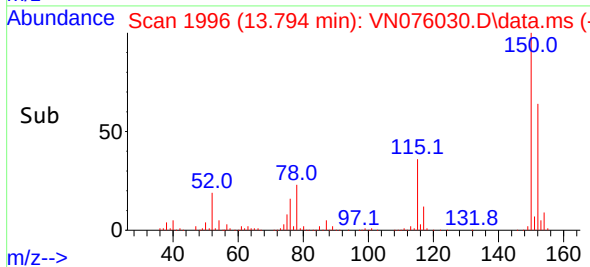
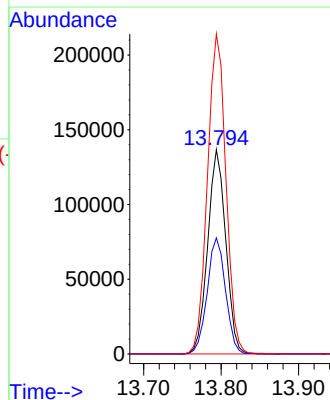
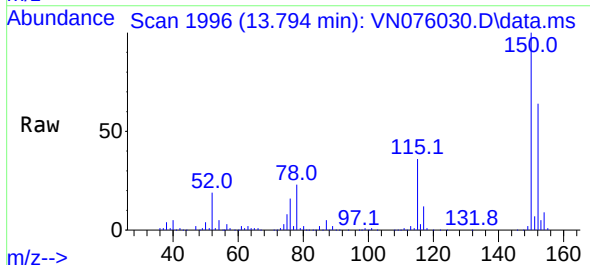
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

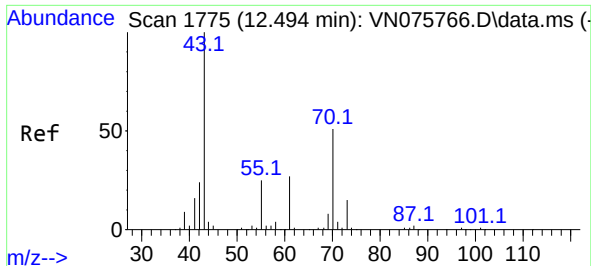
Tgt Ion:117 Resp: 521938
Ion Ratio Lower Upper
117 100
82 51.3 41.3 61.9
119 32.1 24.6 37.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion:152 Resp: 221651
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.4
150 159.9 0.0 347.0

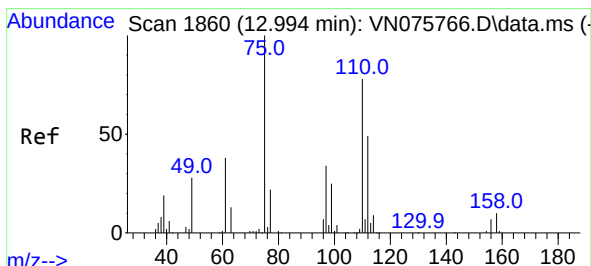
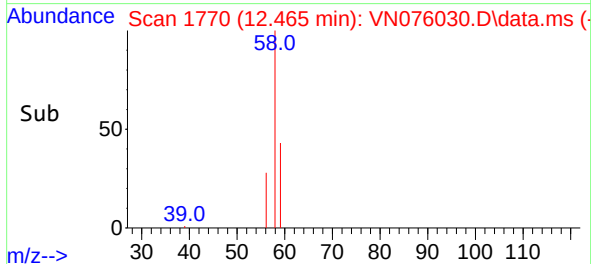
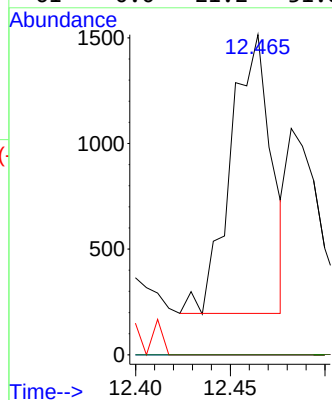
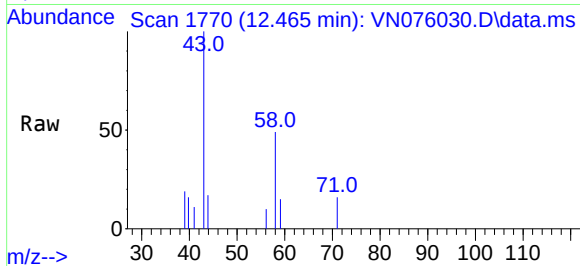




#74
N-amy1 acetate
Concen: 0.422 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

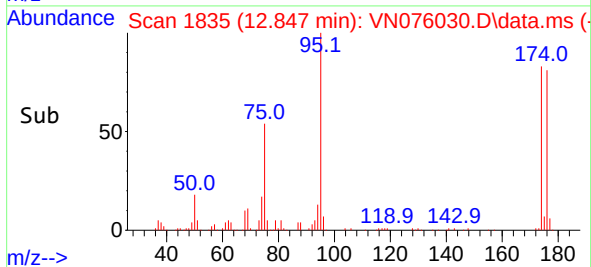
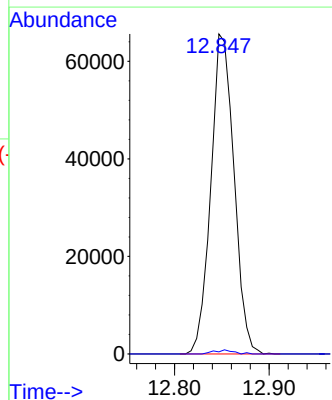
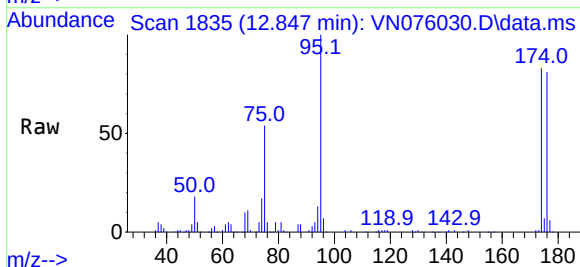
Instrument :
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ClientSampleId :
PB149923ZHE#11

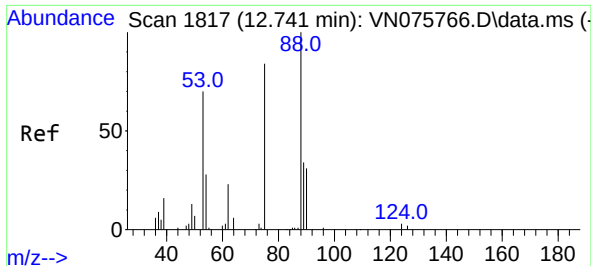
Tgt Ion: 43	Resp: 1983
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.0#
55 0.0	21.3 31.9#
61 0.0	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 24.929 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion: 75	Resp: 111382
Ion Ratio	Lower Upper
75 100	
77 1.1	82.6 247.8#

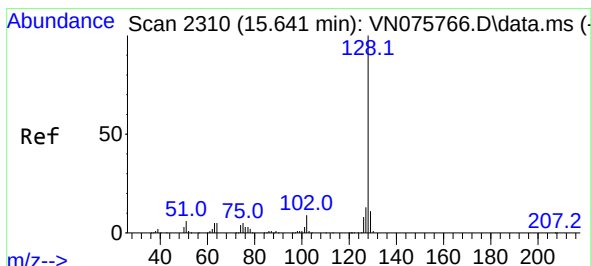
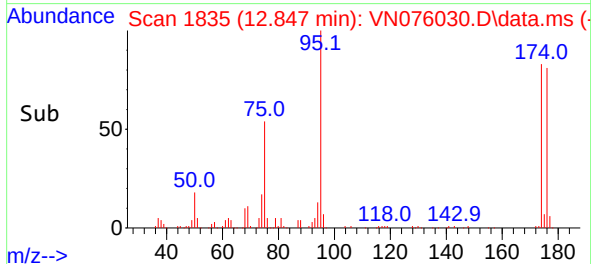
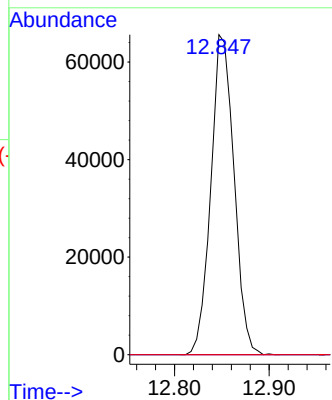
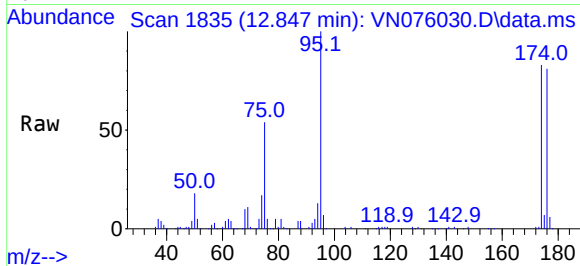




#81
trans-1,4-Dichloro-2-butene
Concen: 89.732 ug/l
RT: 12.847 min Scan# 111382
Delta R.T. 0.106 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#11

Tgt Ion: 75 Resp: 111382
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#95
Naphthalene
Concen: 2.358 ug/l
RT: 15.653 min Scan# 2312
Delta R.T. 0.012 min
Lab File: VN076030.D
Acq: 29 Dec 2022 04:07

Tgt Ion:128 Resp: 2276
Ion Ratio Lower Upper
128 100
127 6.5 10.4 15.6#
129 10.3 8.7 13.1

