

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN076035.D
 Acq On : 29 Dec 2022 06:07
 Operator : JC\MD
 Sample : PB149923ZHE#16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB149923ZHE#16

Quant Time: Dec 29 07:51:58 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)

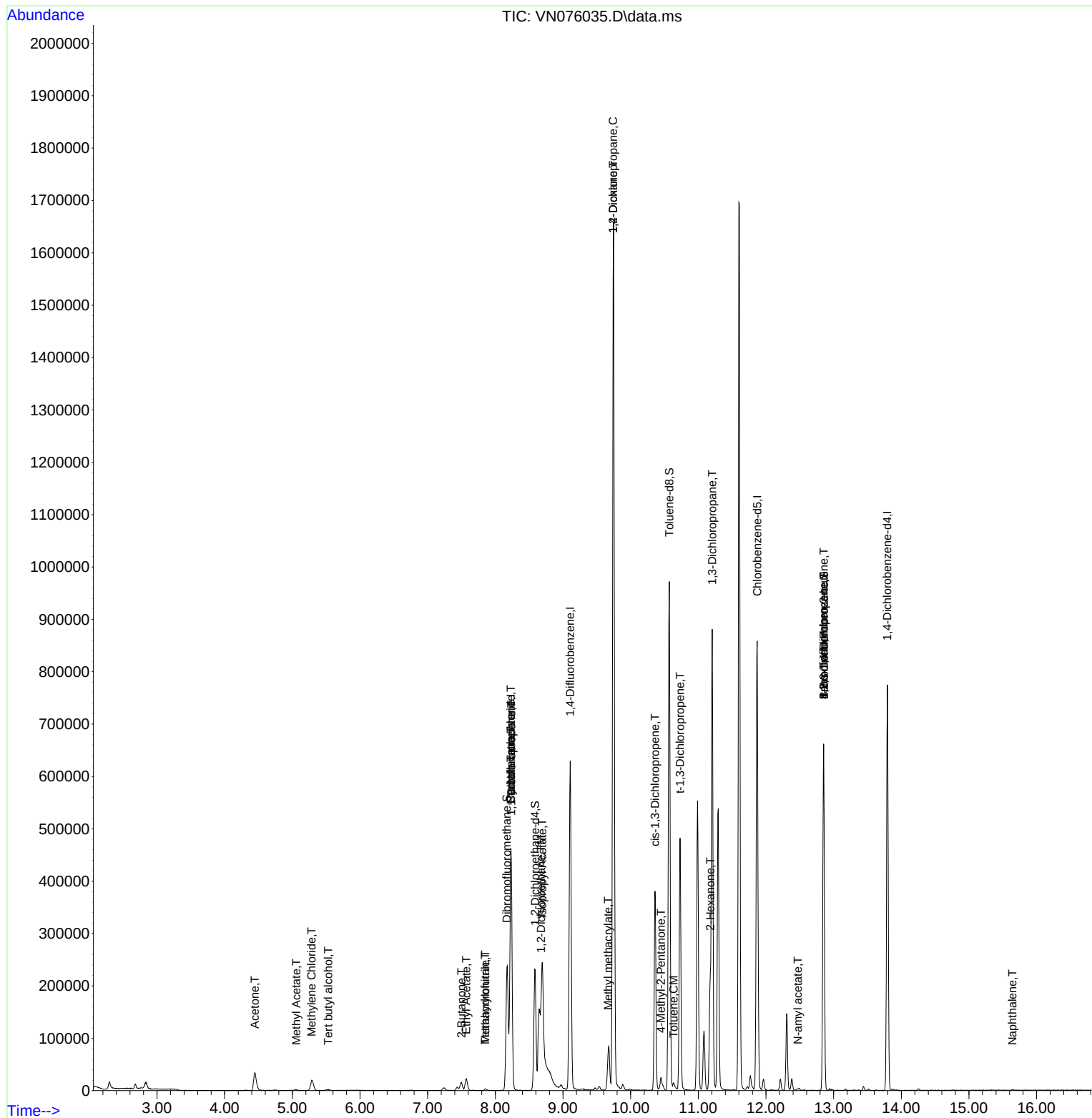
Internal Standards						
1) Pentafluorobenzene	8.230	168	365697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	584788	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	520377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	186701	46.928	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.860%		
35) Dibromofluoromethane	8.171	113	170001	46.942	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.880%		
50) Toluene-d8	10.571	98	683749	50.497	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.000%		
62) 4-Bromofluorobenzene	12.853	95	217728	48.549	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.100%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	2698	4.793	ug/l #	72
16) Acetone	4.448	43	64636	47.130	ug/l	99
18) Methyl Acetate	5.059	43	3346	0.825	ug/l #	65
20) Methylene Chloride	5.283	84	16621	3.941	ug/l #	92
25) 2-Butanone	7.500	43	24284	12.646	ug/l	93
29) Tetrahydrofuran	7.847	42	2326	1.933	ug/l #	40
31) Cyclohexane	8.230	56	6279	1.102	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	25379	5.275	ug/l #	50
37) Ethyl Acetate	7.571	43	33105	8.567	ug/l	99
38) Carbon Tetrachloride	8.230	117	35829	6.654	ug/l #	17
41) Methacrylonitrile	7.853	41	1228	0.611	ug/l #	36
42) 1,2-Dichloroethane	8.677	62	1603	0.325	ug/l #	72
43) Isopropyl Acetate	8.694	43	357743	56.122	ug/l #	71
45) 1,2-Dichloropropane	9.741	63	2389	0.661	ug/l #	43
48) Methyl methacrylate	9.665	41	4730	1.648	ug/l #	38
49) 1,4-Dioxane	9.741	88	150	2.125	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	21459	5.567	ug/l #	77
52) Toluene	10.635	92	5516	0.571	ug/l	93
53) t-1,3-Dichloropropene	10.729	75	1254	0.244	ug/l	99
54) cis-1,3-Dichloropropene	10.359	75	77285	13.687	ug/l #	62
57) 1,3-Dichloropropane	11.206	76	9389	1.509	ug/l #	42
59) 2-Hexanone	11.177	43	147963	52.631	ug/l #	20
71) Bromoform	12.853	173	1792	0.623	ug/l #	1
74) N-amyl acetate	12.471	43	3967	0.847	ug/l #	37
76) 1,2,3-Trichloropropane	12.853	75	109357	24.561	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	109357	88.409	ug/l #	12
95) Naphthalene	15.641	128	2093	2.344	ug/l #	69

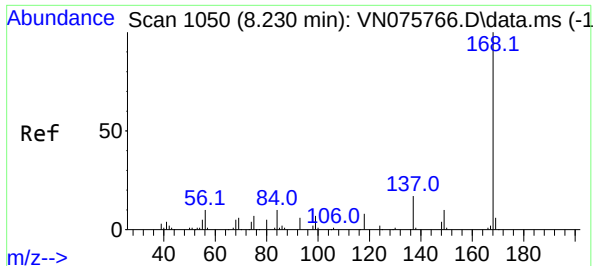
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
Data File : VN076035.D
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Operator : JC\MD
Sample : PB149923ZHE#16
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 50 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

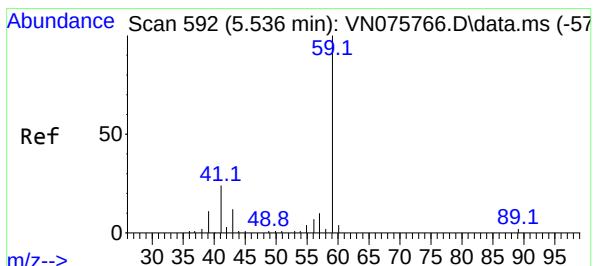
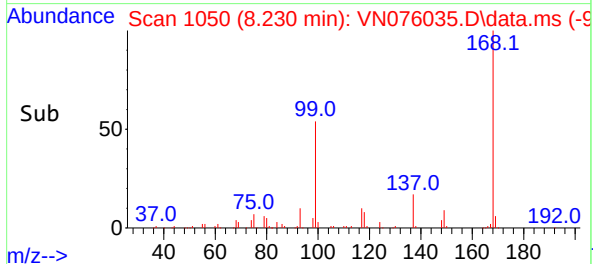
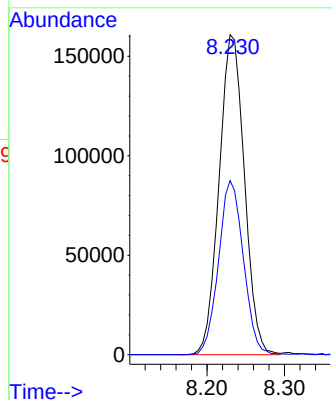
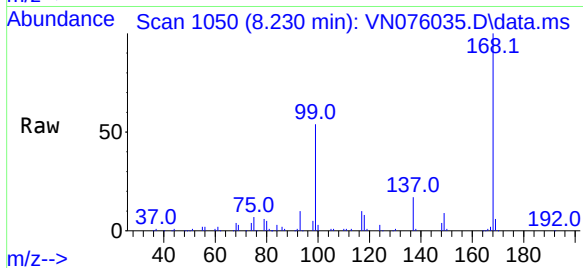




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

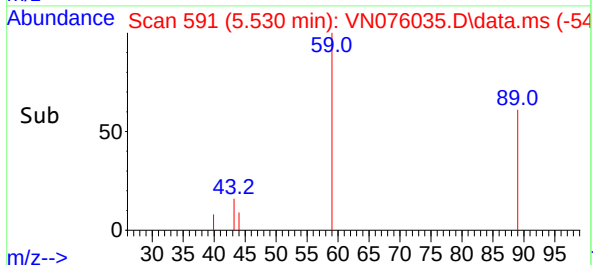
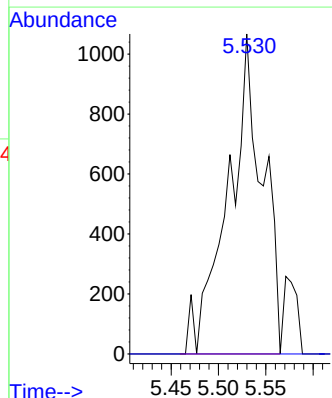
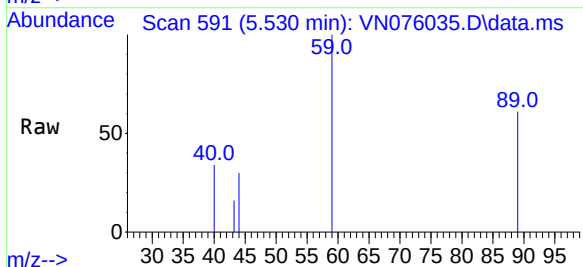
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#16

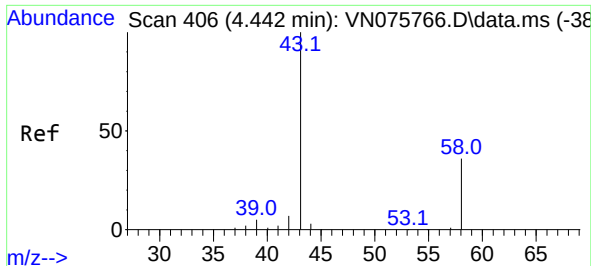
Tgt Ion:168 Resp: 365697
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 4.793 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 59 Resp: 2698
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

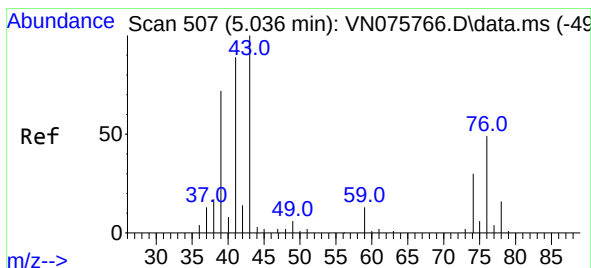
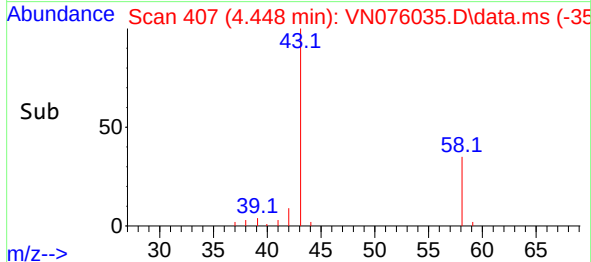
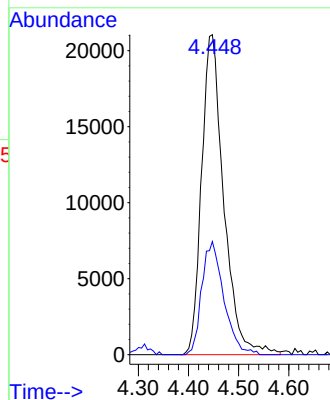
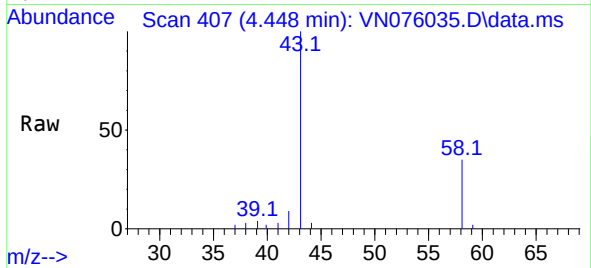




#16
Acetone
Concen: 47.130 ug/l
RT: 4.448 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

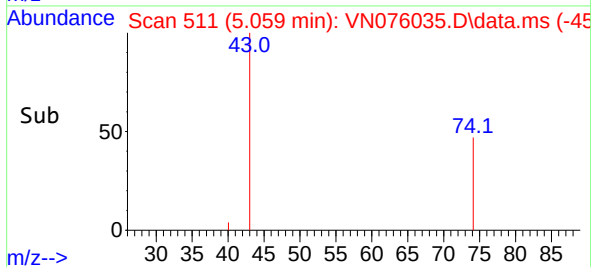
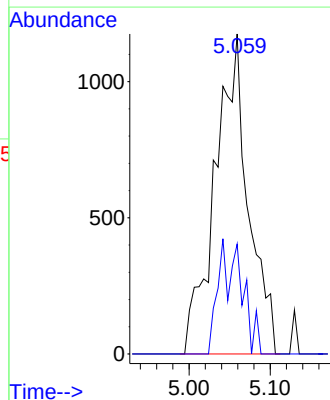
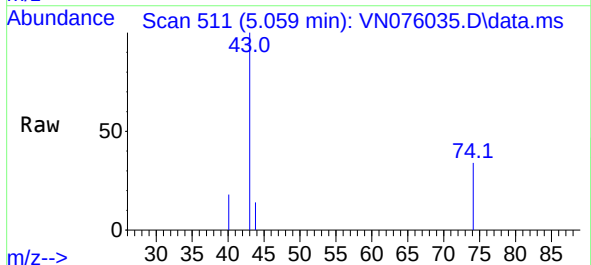
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#16

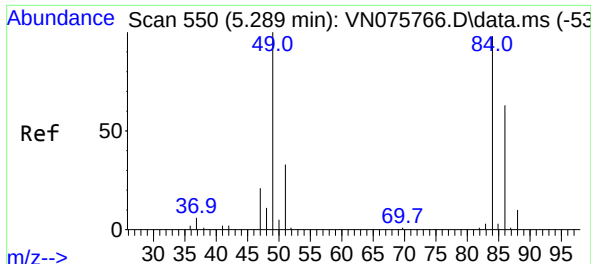
Tgt Ion: 43 Resp: 64636
Ion Ratio Lower Upper
43 100
58 35.3 28.6 43.0



#18
Methyl Acetate
Concen: 0.825 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.024 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 43 Resp: 3346
Ion Ratio Lower Upper
43 100
74 10.8 23.6 35.4#

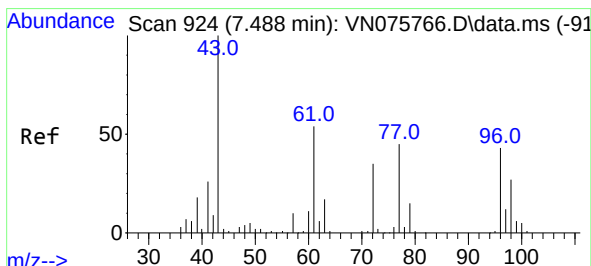
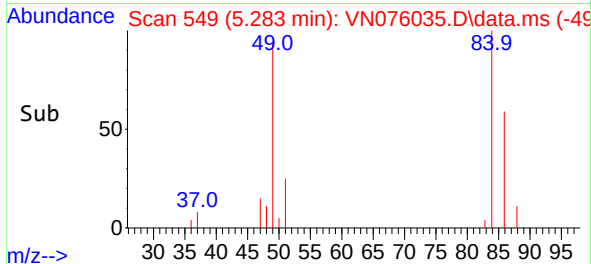
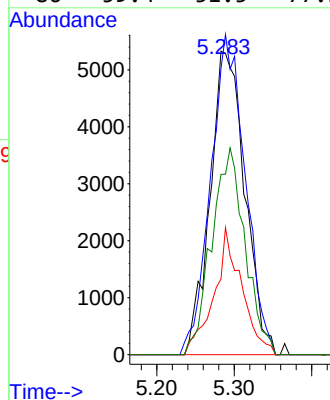
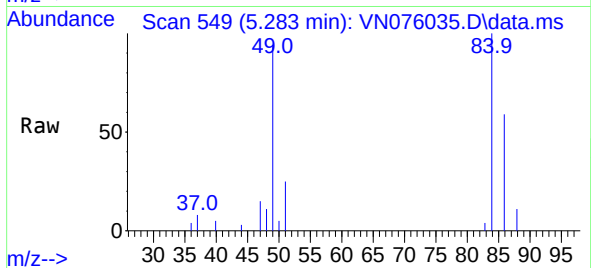




#20
Methylene Chloride
Concen: 3.941 ug/l
RT: 5.283 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

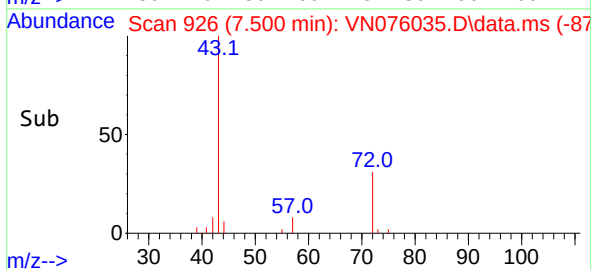
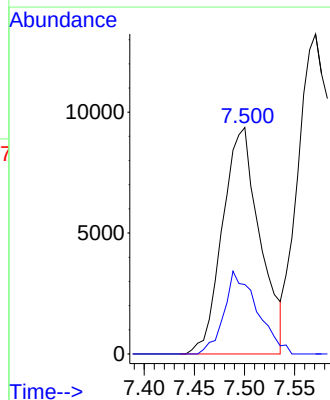
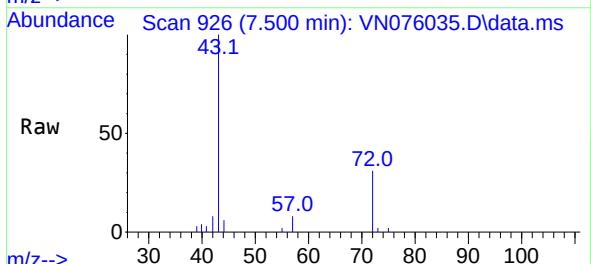
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#16

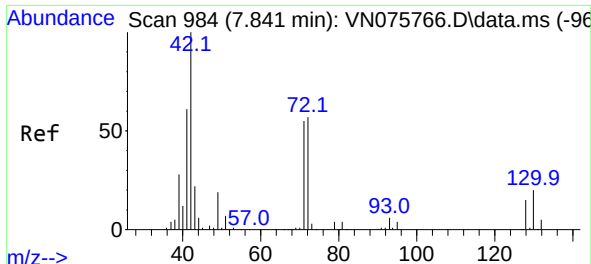
Tgt Ion: 84 Resp: 16621
Ion Ratio Lower Upper
84 100
49 94.4 81.8 122.6
51 24.9 26.7 40.1#
86 59.4 51.5 77.3



#25
2-Butanone
Concen: 12.646 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 43 Resp: 24284
Ion Ratio Lower Upper
43 100
72 30.7 28.0 42.0

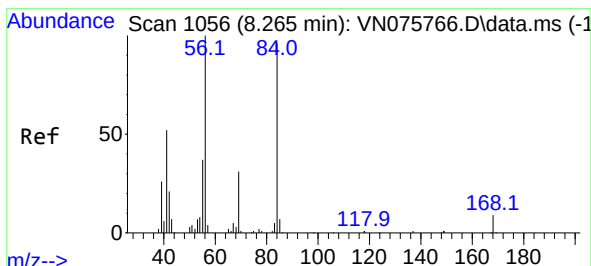
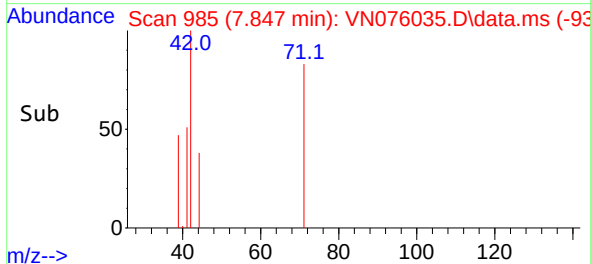
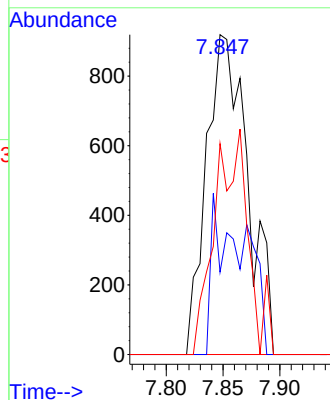
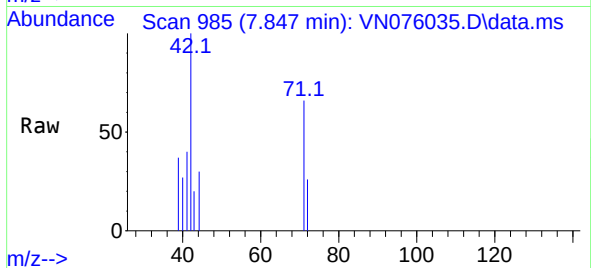




#29
Tetrahydrofuran
Concen: 1.933 ug/l
RT: 7.847 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

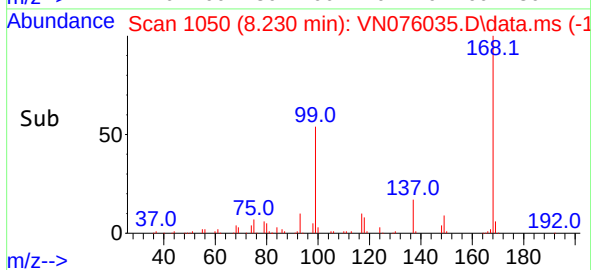
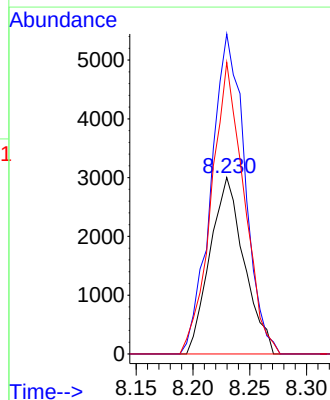
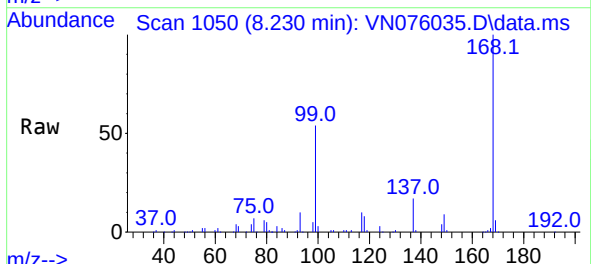
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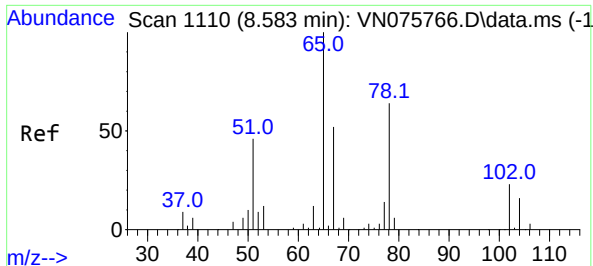
Tgt Ion: 42 Resp: 2326
Ion Ratio Lower Upper
42 100
72 21.0 44.5 66.7#
71 0.0 41.0 61.6#



#31
Cyclohexane
Concen: 1.102 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.035 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 56 Resp: 6279
Ion Ratio Lower Upper
56 100
69 181.3 24.7 37.1#
84 165.2 76.5 114.7#

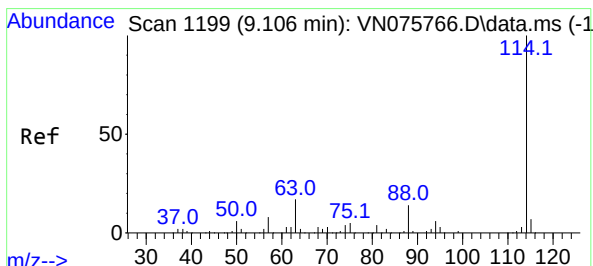
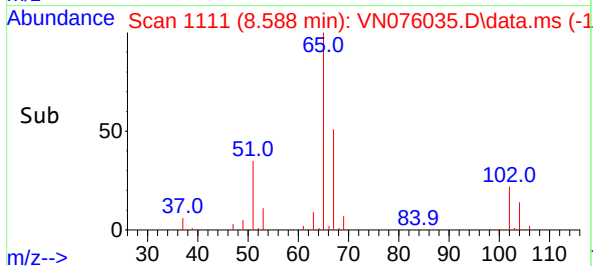
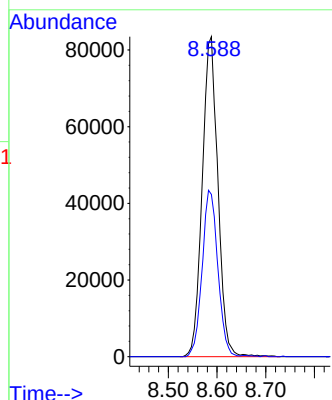
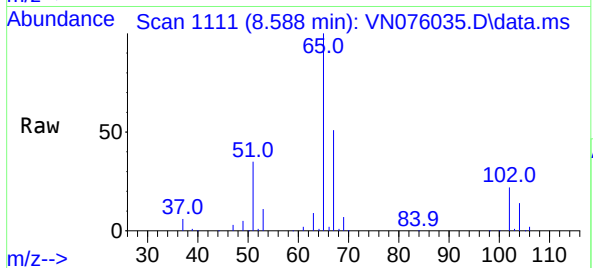




#33
1,2-Dichloroethane-d4
Concen: 46.928 ug/l
RT: 8.588 min Scan# 1110
Delta R.T. 0.006 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

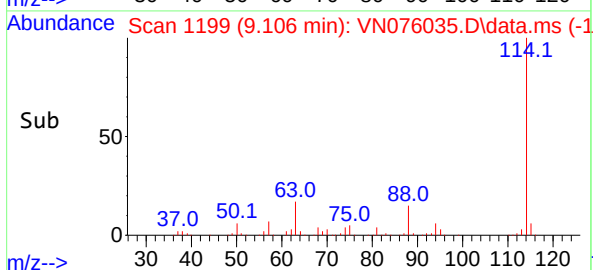
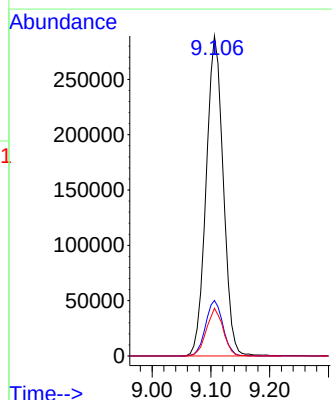
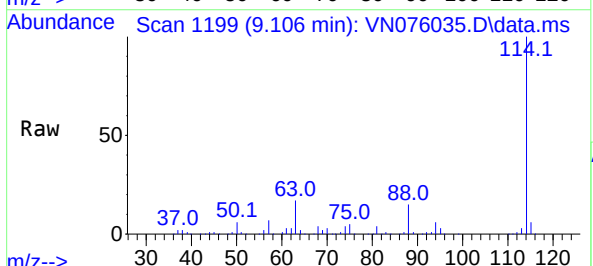
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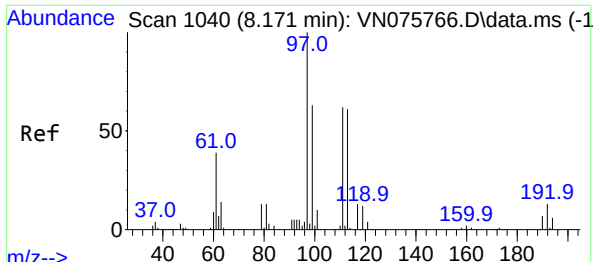
Tgt Ion: 65 Resp: 186701
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 114 Resp: 584788
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 14.9 0.0 28.8

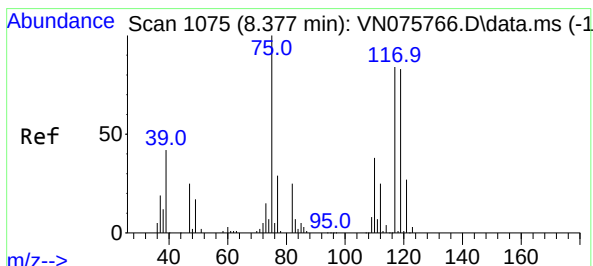
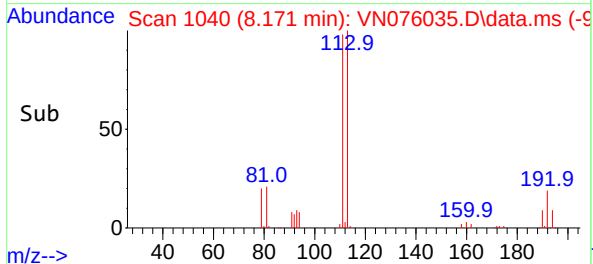
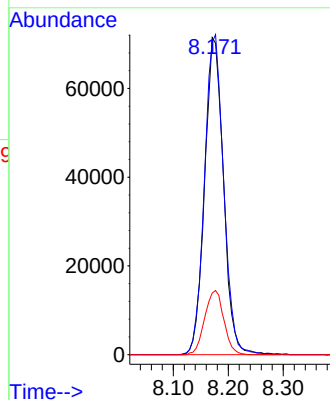
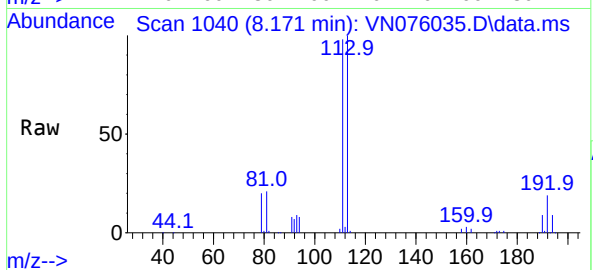




#35
Dibromofluoromethane
Concen: 46.942 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

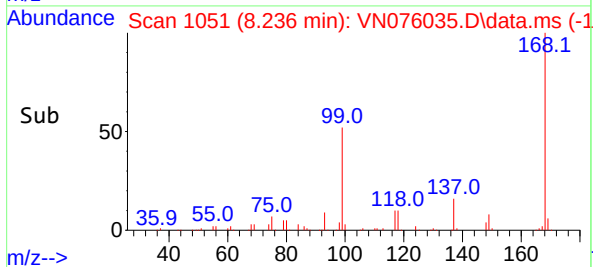
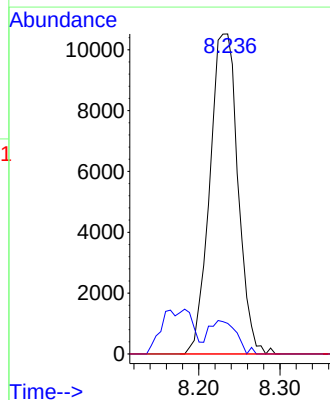
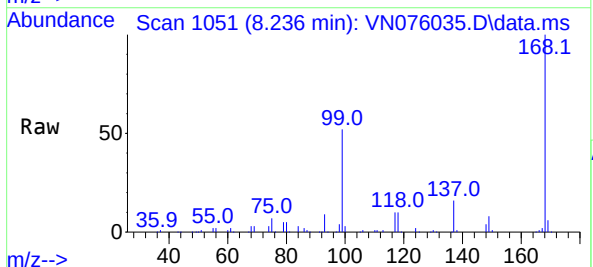
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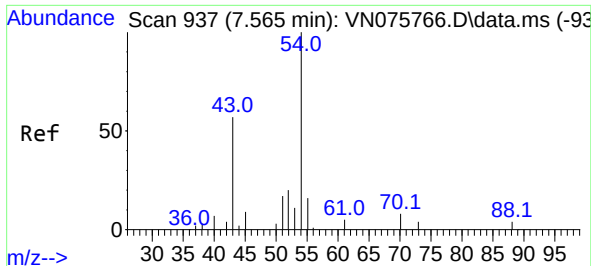
Tgt Ion:113 Resp: 170001
Ion Ratio Lower Upper
113 100
111 102.8 83.4 125.2
192 20.5 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.275 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 75 Resp: 25379
Ion Ratio Lower Upper
75 100
110 9.9 18.8 56.4#
77 0.0 24.1 36.1#

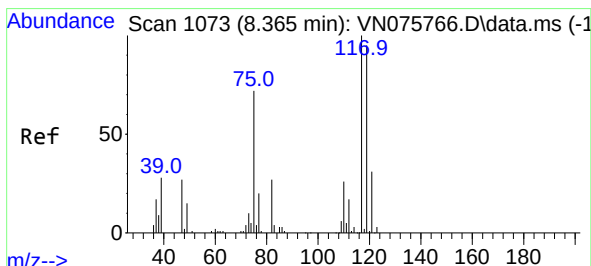
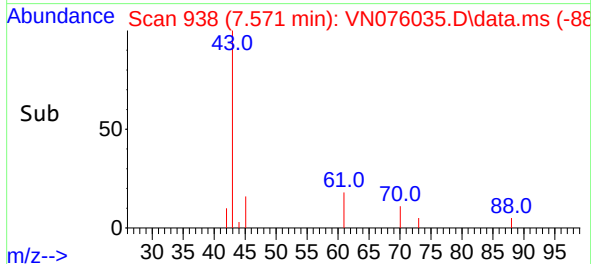
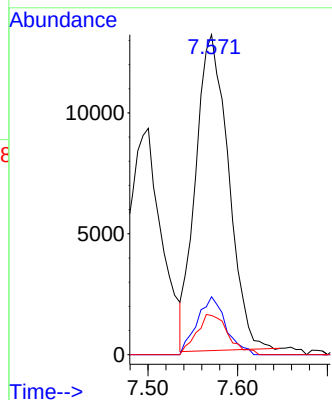
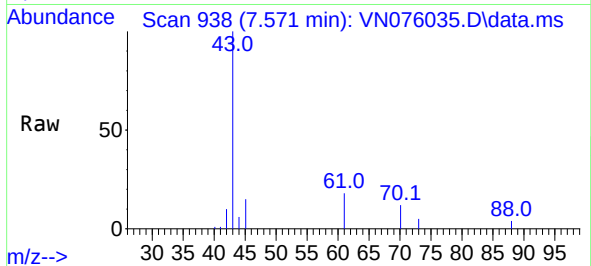




#37
Ethyl Acetate
Concen: 8.567 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

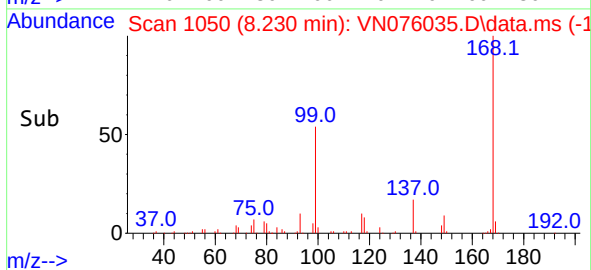
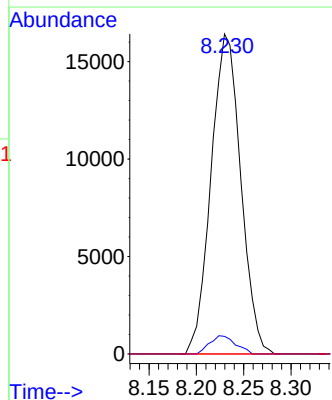
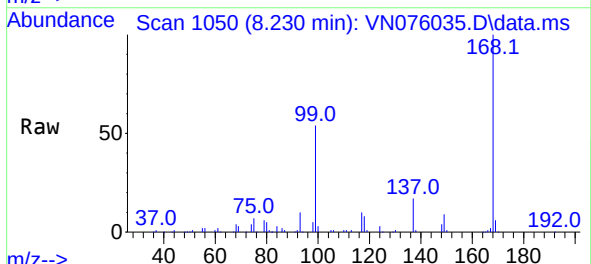
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#16

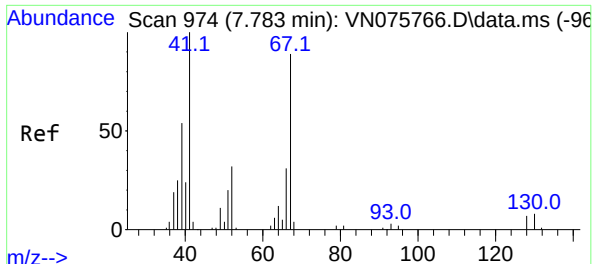
Tgt Ion:	43	Resp:	33105
Ion	Ratio	Lower	Upper
43	100		
61	16.1	13.0	19.4
70	12.2	9.4	14.0



#38
Carbon Tetrachloride
Concen: 6.654 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion:	117	Resp:	35829
Ion	Ratio	Lower	Upper
117	100		
119	5.5	76.1	114.1#
121	0.0	24.5	36.7#

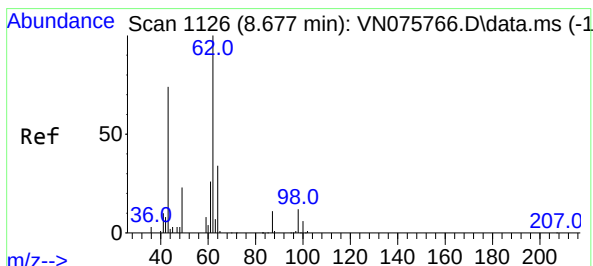
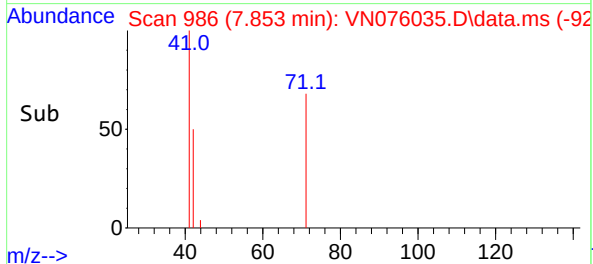
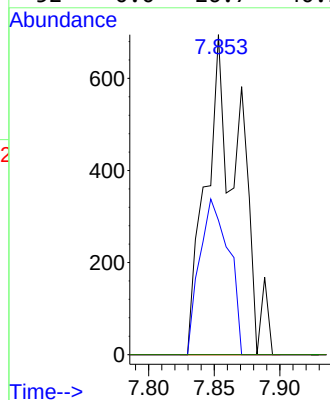
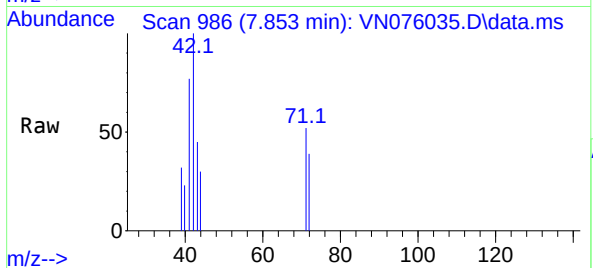




#41
Methacrylonitrile
Concen: 0.611 ug/l
RT: 7.853 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

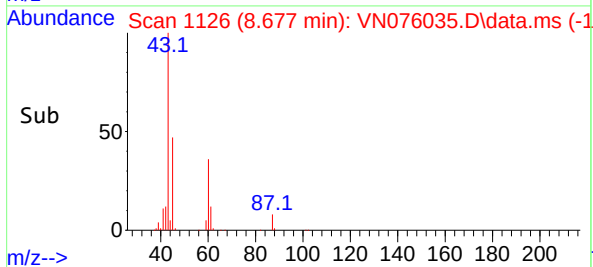
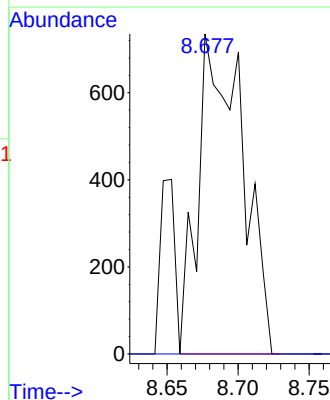
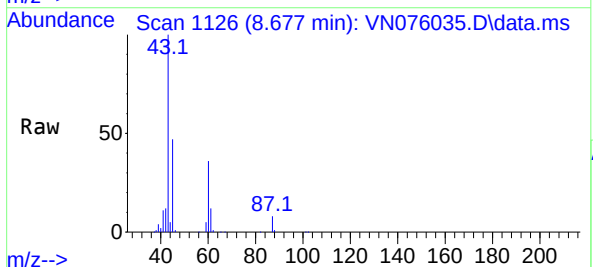
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MSVOA_N
ClientSampleId :
PB149923ZHE#16

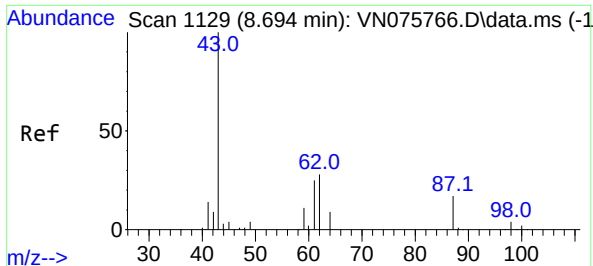
Tgt Ion: 41 Resp: 1228
Ion Ratio Lower Upper
41 100
39 42.7 43.1 64.7#
67 0.0 70.7 106.1#
52 0.0 26.7 40.1#



#42
1,2-Dichloroethane
Concen: 0.325 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 62 Resp: 1603
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.8

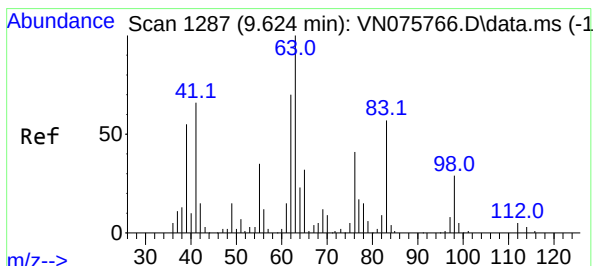
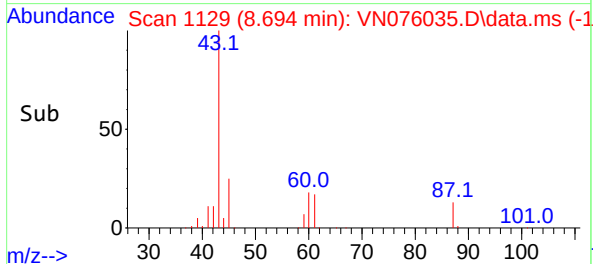
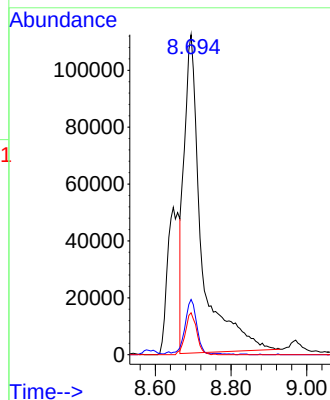
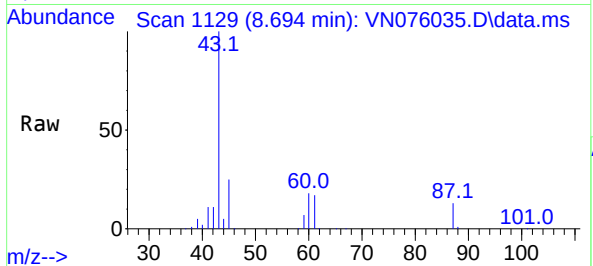




#43
Isopropyl Acetate
Concen: 56.122 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

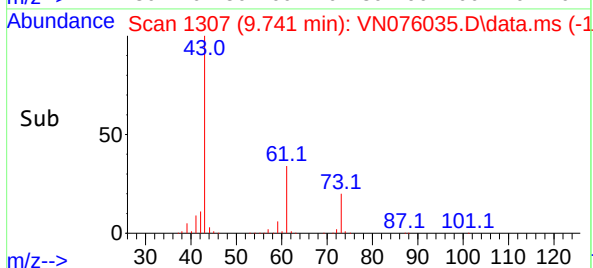
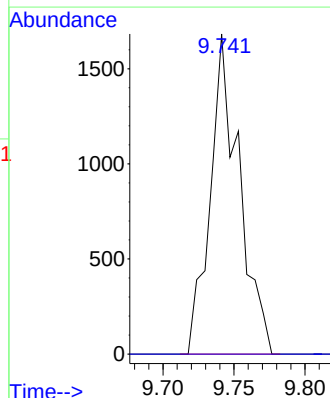
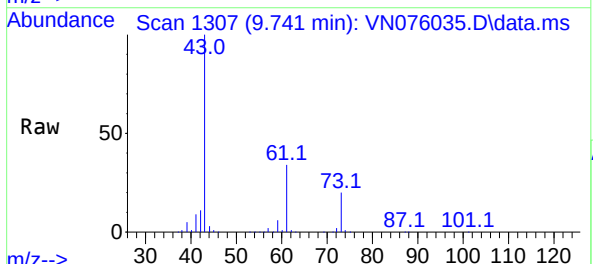
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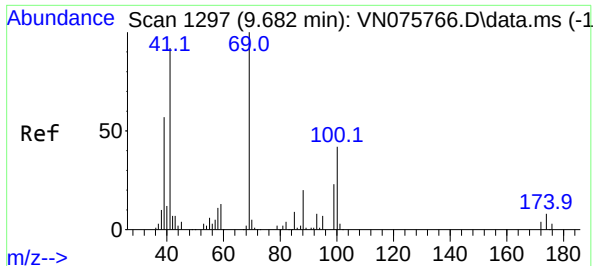
Tgt Ion: 43 Resp: 357743
Ion Ratio Lower Upper
43 100
61 11.7 24.2 36.4#
87 8.5 13.3 19.9#



#45
1,2-Dichloropropane
Concen: 0.661 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.118 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 63 Resp: 2389
Ion Ratio Lower Upper
63 100
65 0.0 25.7 38.5#

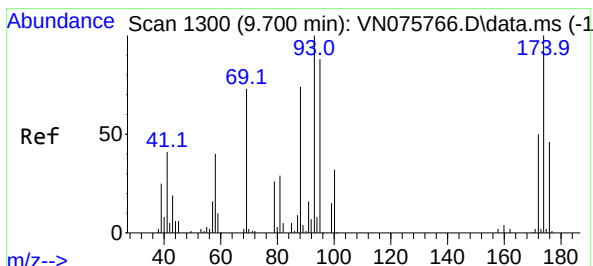
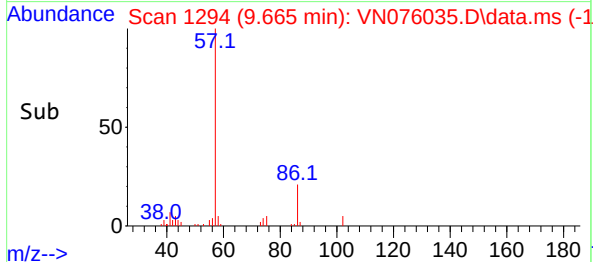
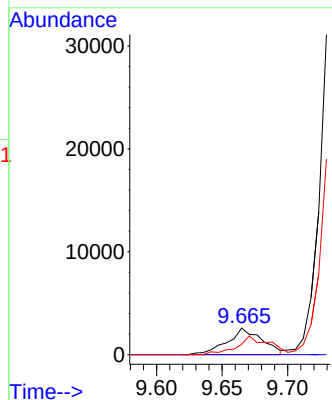
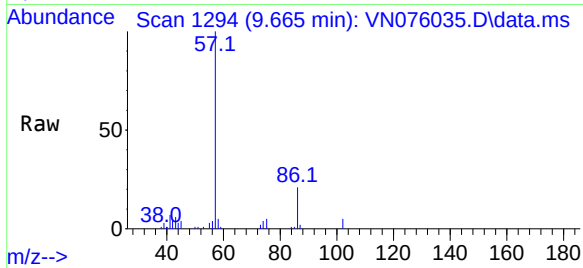




#48
Methyl methacrylate
Concen: 1.648 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

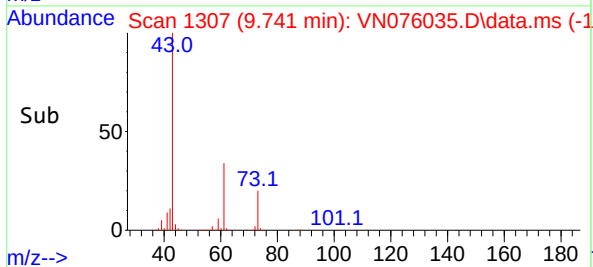
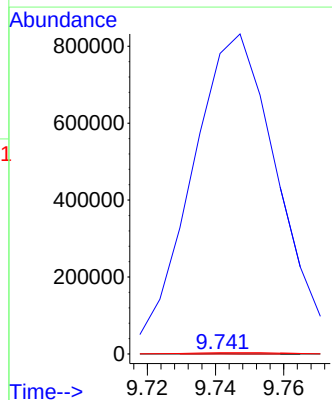
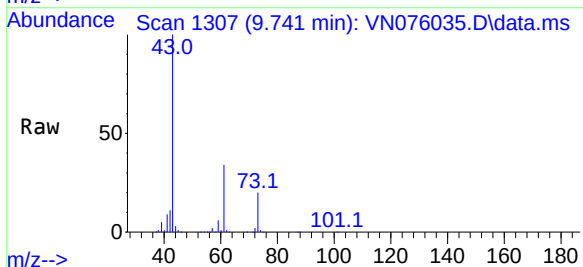
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MSVOA_N
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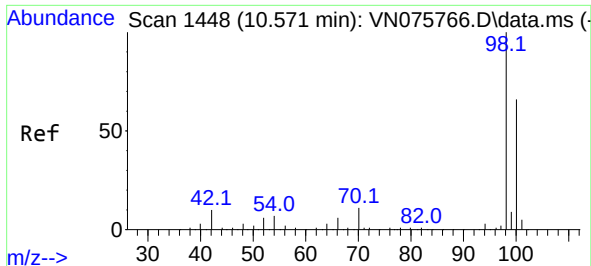
Tgt Ion: 41 Resp: 4730
Ion Ratio Lower Upper
41 100
69 0.0 81.9 122.9#
39 65.6 51.6 77.4



#49
1,4-Dioxane
Concen: 2.125 ug/l
RT: 9.741 min Scan# 1307
Delta R.T. 0.041 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 88 Resp: 150
Ion Ratio Lower Upper
88 100
43 995013.3 17.1 25.7#
58 4656.0 47.8 71.8#

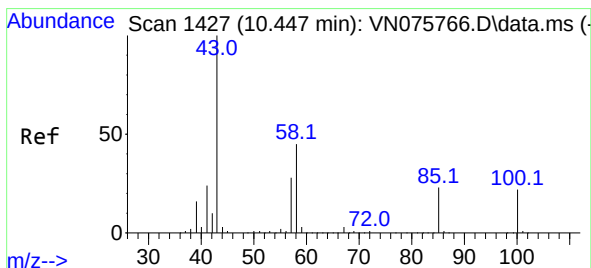
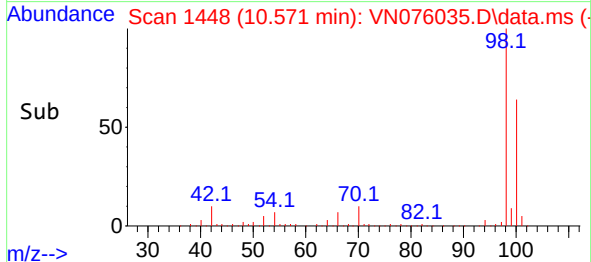
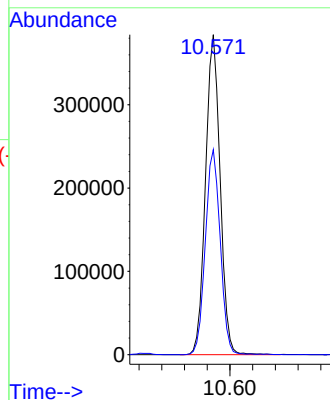
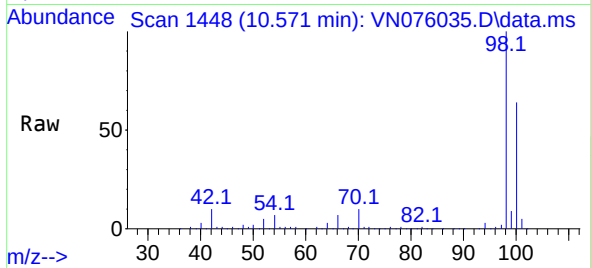




#50
Toluene-d8
Concen: 50.497 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

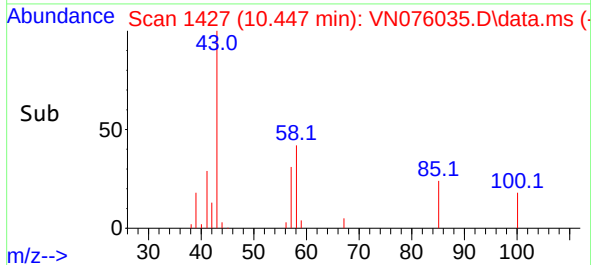
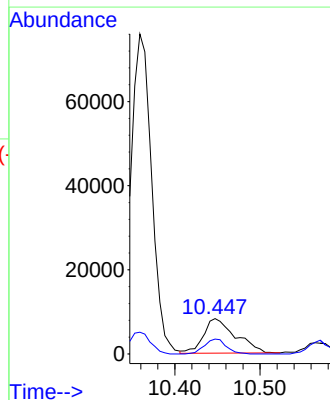
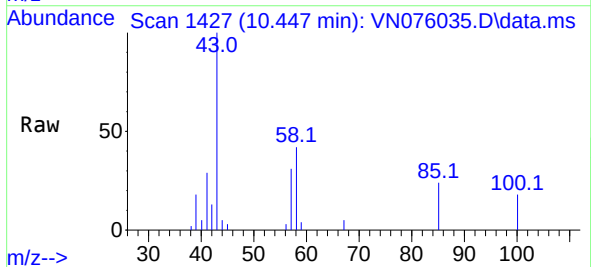
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#16

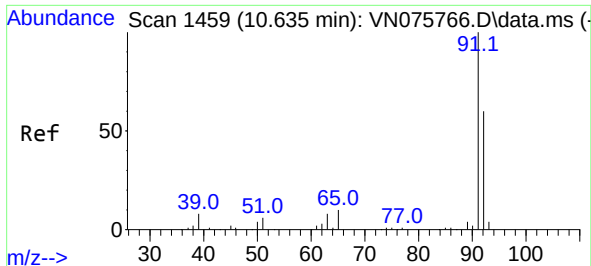
Tgt Ion: 98 Resp: 683749
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 5.567 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 43 Resp: 21459
Ion Ratio Lower Upper
43 100
58 29.5 35.5 53.3#

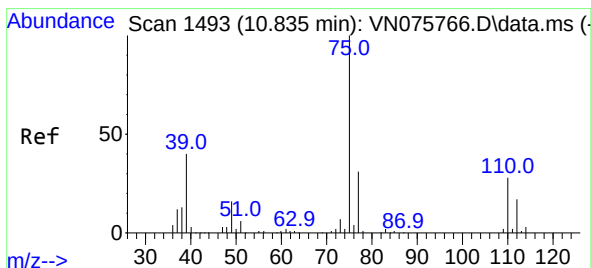
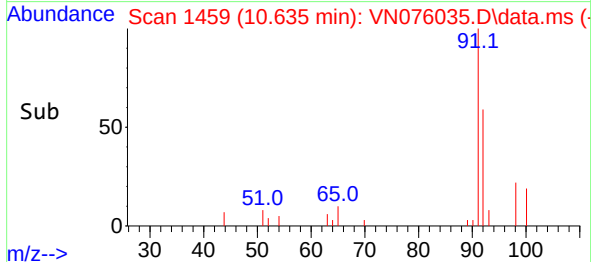
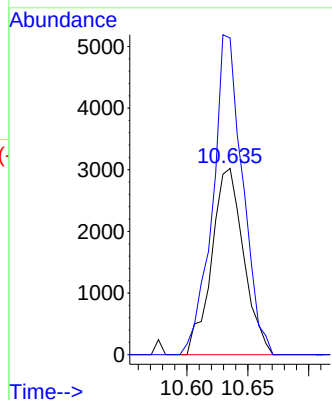
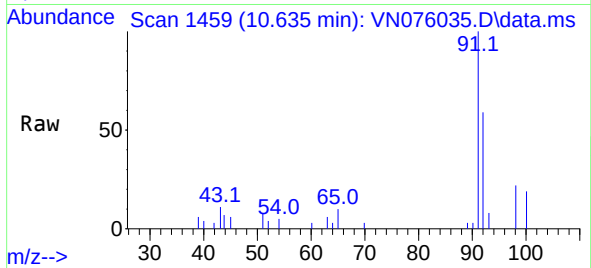




#52
Toluene
Concen: 0.571 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

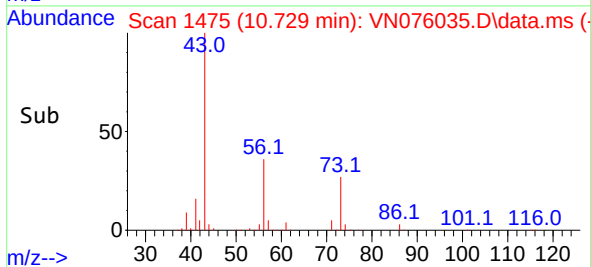
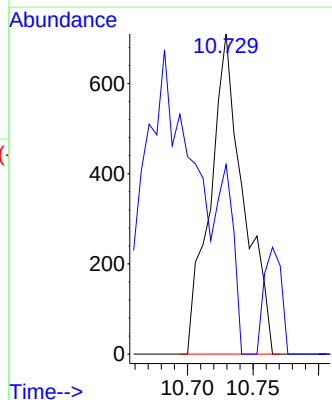
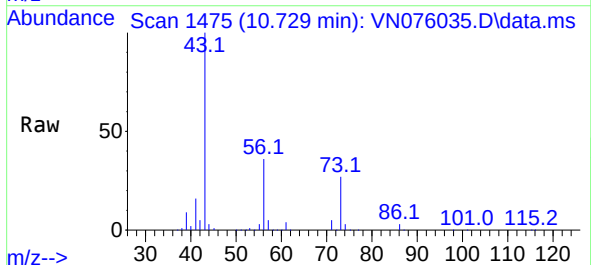
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#16

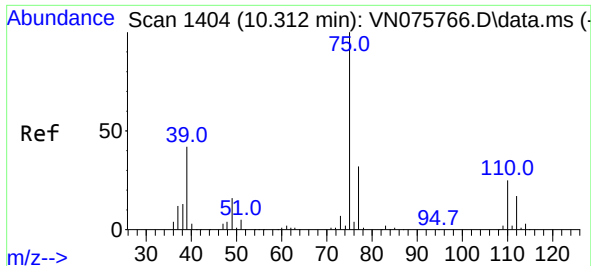
Tgt Ion: 92 Resp: 5516
Ion Ratio Lower Upper
92 100
91 161.4 137.3 205.9



#53
t-1,3-Dichloropropene
Concen: 0.244 ug/l
RT: 10.729 min Scan# 1475
Delta R.T. -0.106 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 75 Resp: 1254
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3

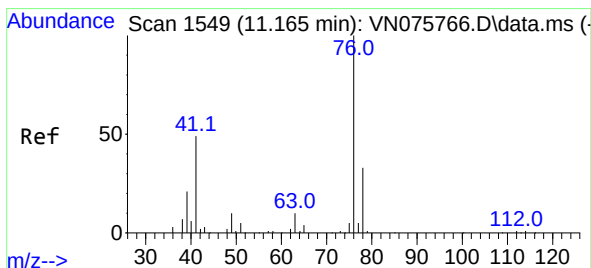
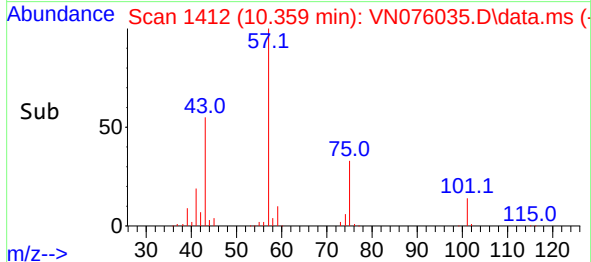
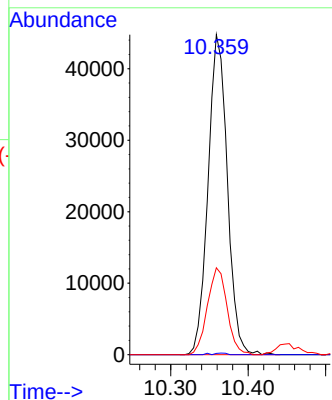
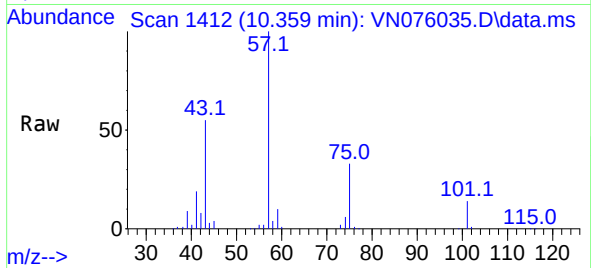




#54
cis-1,3-Dichloropropene
Concen: 13.687 ug/l
RT: 10.359 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

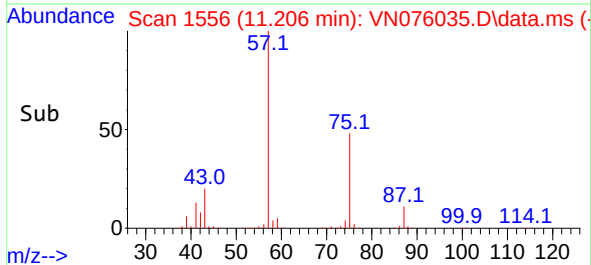
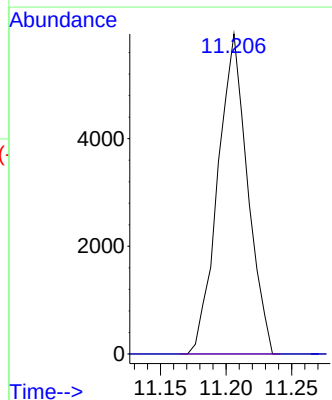
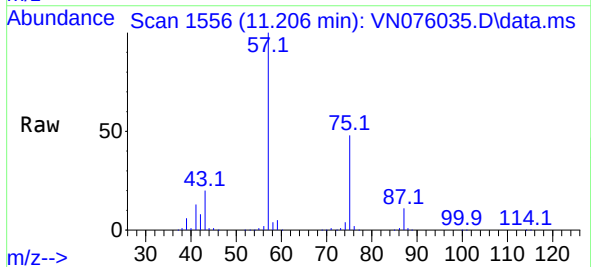
Instrument :
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ClientSampleId :
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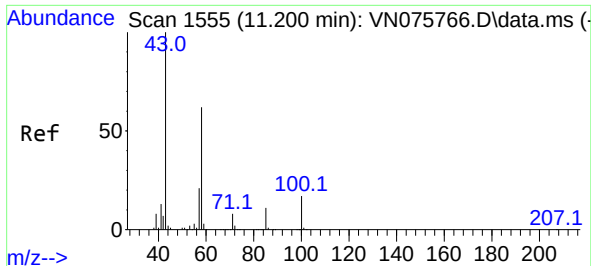
Tgt Ion: 75 Resp: 77285
Ion Ratio Lower Upper
75 100
77 0.4 25.8 38.8#
39 27.2 33.4 50.2#



#57
1,3-Dichloropropane
Concen: 1.509 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 76 Resp: 9389
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

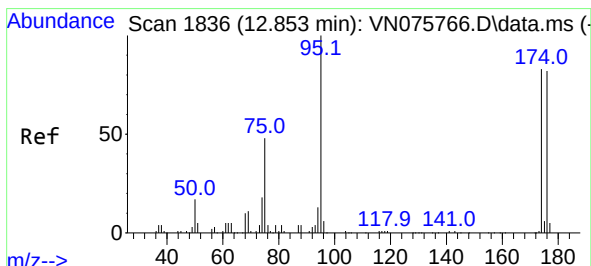
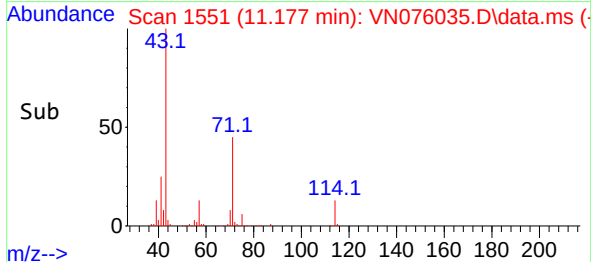
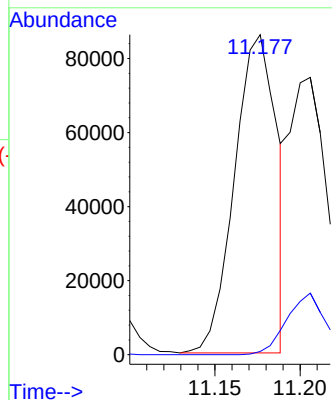
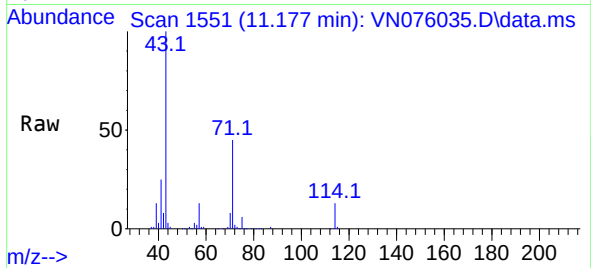




#59
2-Hexanone
Concen: 52.631 ug/l
RT: 11.177 min Scan# 1151
Delta R.T. -0.023 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

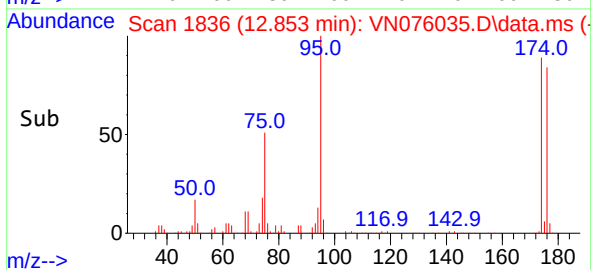
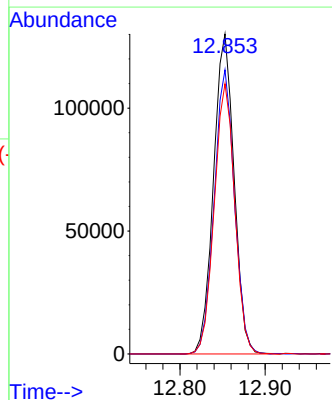
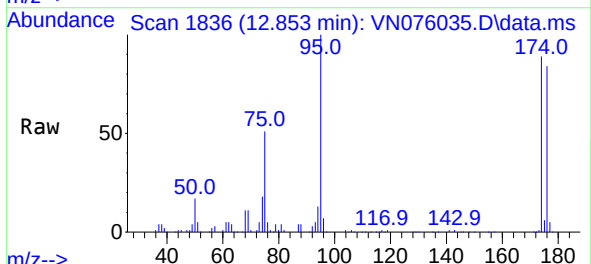
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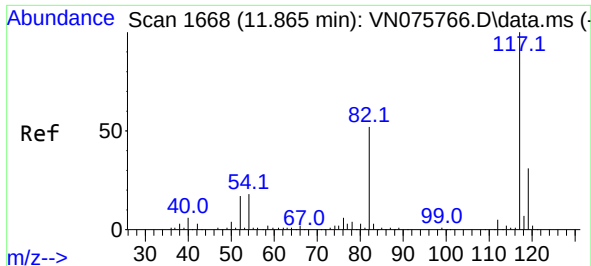
Tgt Ion: 43 Resp: 147963
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.549 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 95 Resp: 217728
Ion Ratio Lower Upper
95 100
174 88.0 0.0 171.6
176 84.2 0.0 169.2

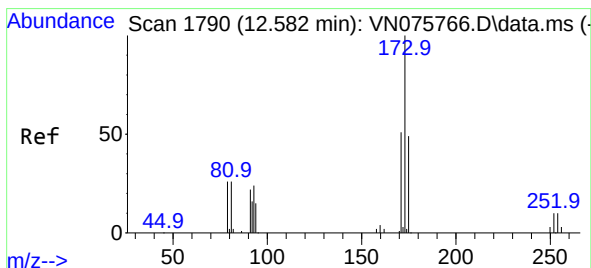
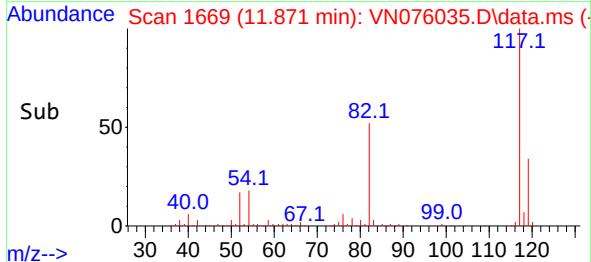
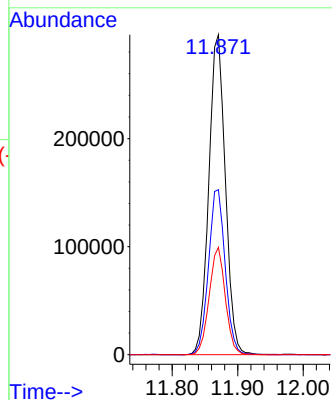
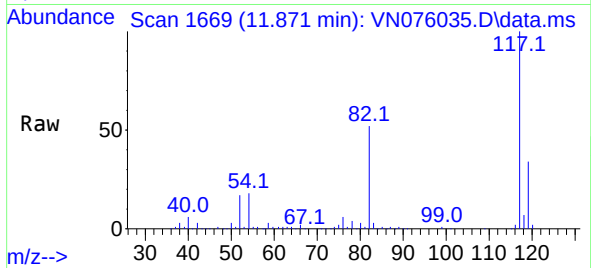




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

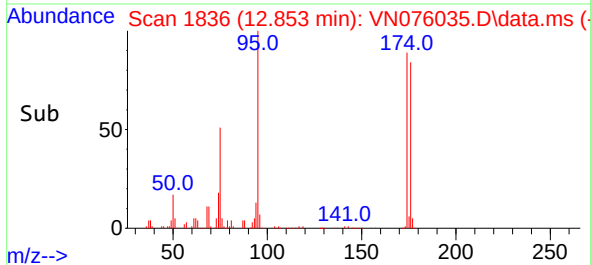
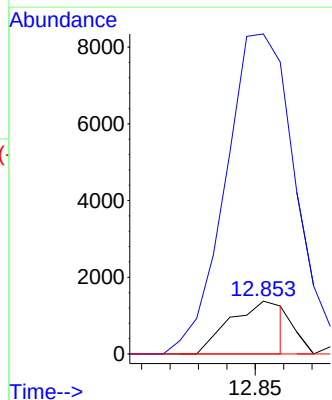
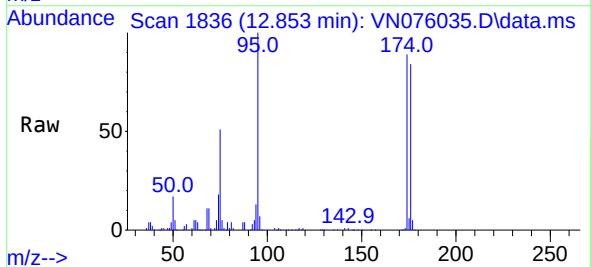
Instrument :
MSVOA_N
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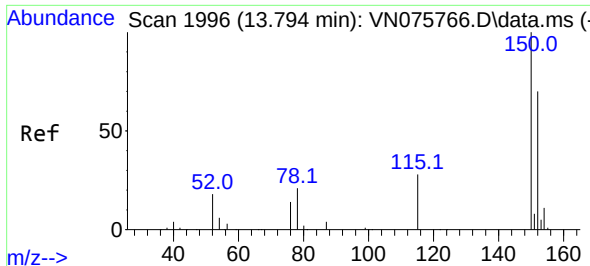
Tgt Ion:117 Resp: 520377
Ion Ratio Lower Upper
117 100
82 51.6 41.3 61.9
119 33.6 24.6 37.0



#71
Bromoform
Concen: 0.623 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion:173 Resp: 1792
Ion Ratio Lower Upper
173 100
175 656.8 24.3 72.8#
254 0.0 0.0 0.0

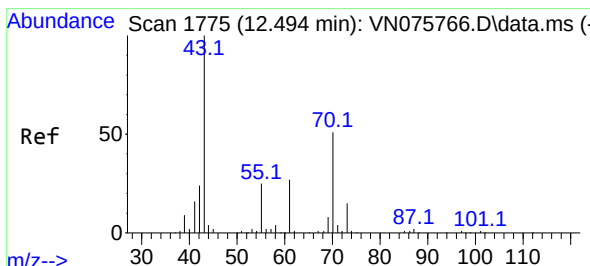
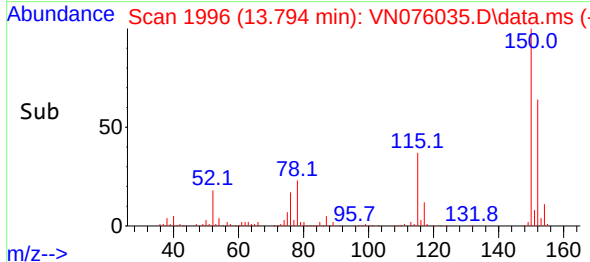
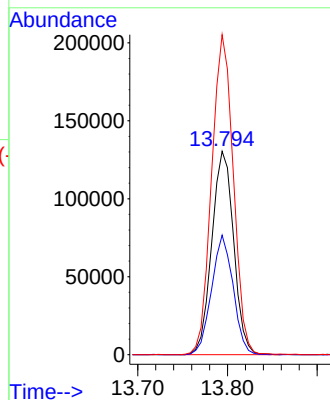
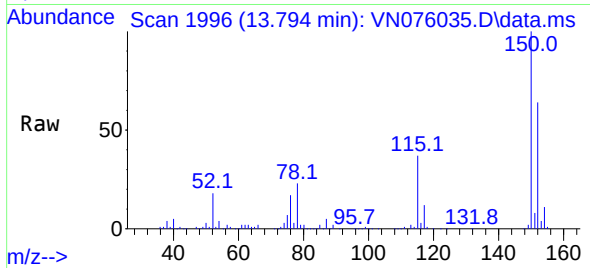




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

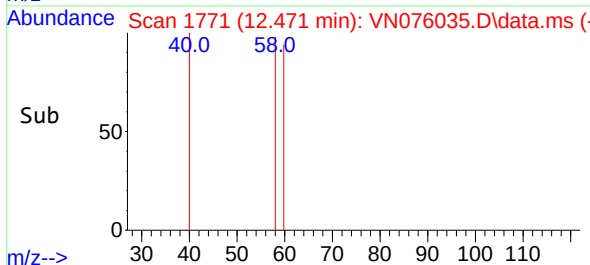
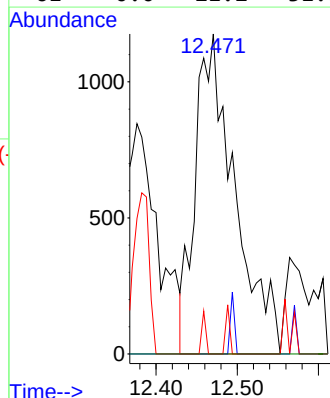
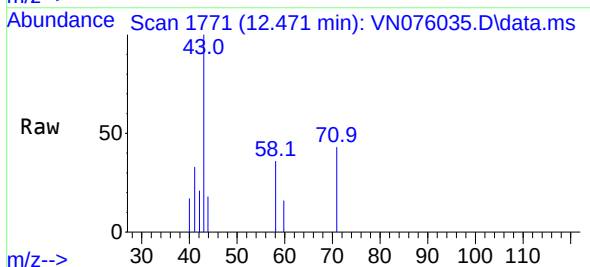
Instrument :
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ClientSampleId :
PB149923ZHE#16

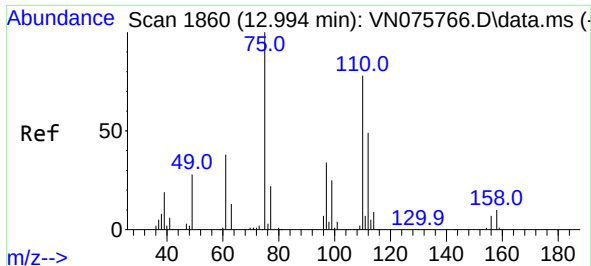
Tgt Ion:152 Resp: 220880
Ion Ratio Lower Upper
152 100
115 57.9 29.1 87.4
150 156.2 0.0 347.0



#74
N-ethyl acetate
Concen: 0.847 ug/l
RT: 12.471 min Scan# 1771
Delta R.T. -0.023 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Tgt Ion: 43 Resp: 3967
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#

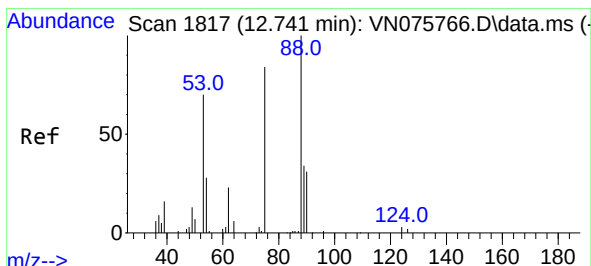
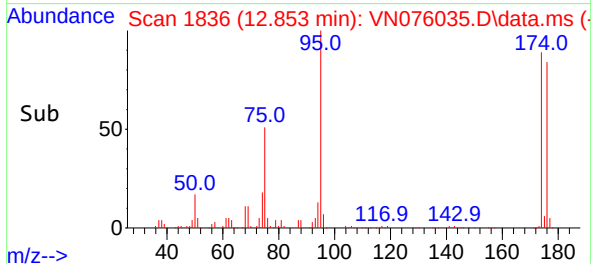
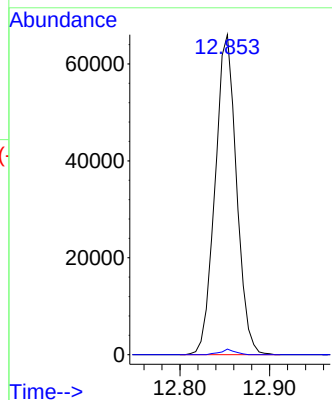
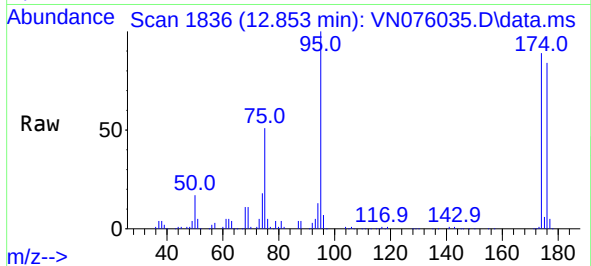




#76
1,2,3-Trichloropropane
Concen: 24.561 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

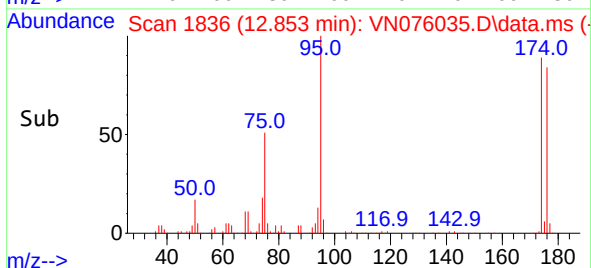
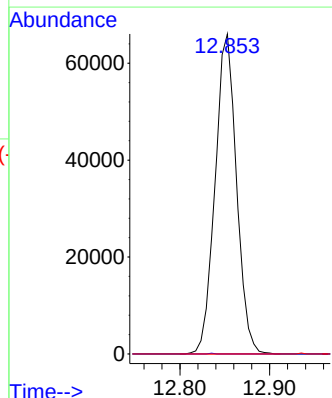
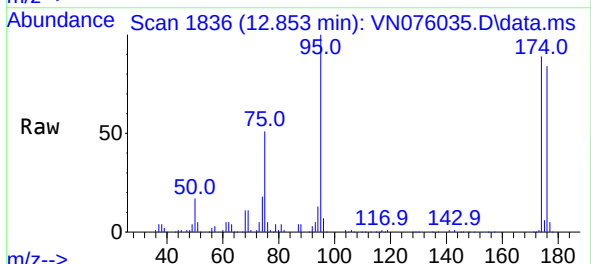
Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#16

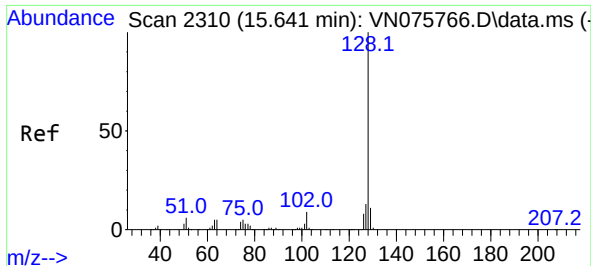
Tgt Ion: 75 Resp: 109357
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.409 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

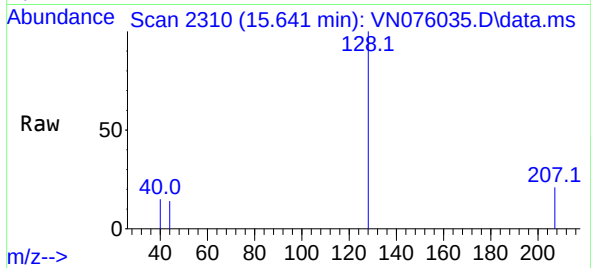
Tgt Ion: 75 Resp: 109357
Ion Ratio Lower Upper
75 100
53 0.1 73.8 110.6#
89 0.0 39.5 59.3#





#95
Naphthalene
Concen: 2.344 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076035.D
Acq: 29 Dec 2022 06:07

Instrument :
MSVOA_N
ClientSampleId :
PB149923ZHE#16



Tgt Ion:128 Resp: 2093
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.7 13.1#

