

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041323\
 Data File : VN077329.D
 Acq On : 13 Apr 2023 15:25
 Operator : JC\MD
 Sample : PB152070ZHE#01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#01

Quant Time: Apr 14 07:24:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

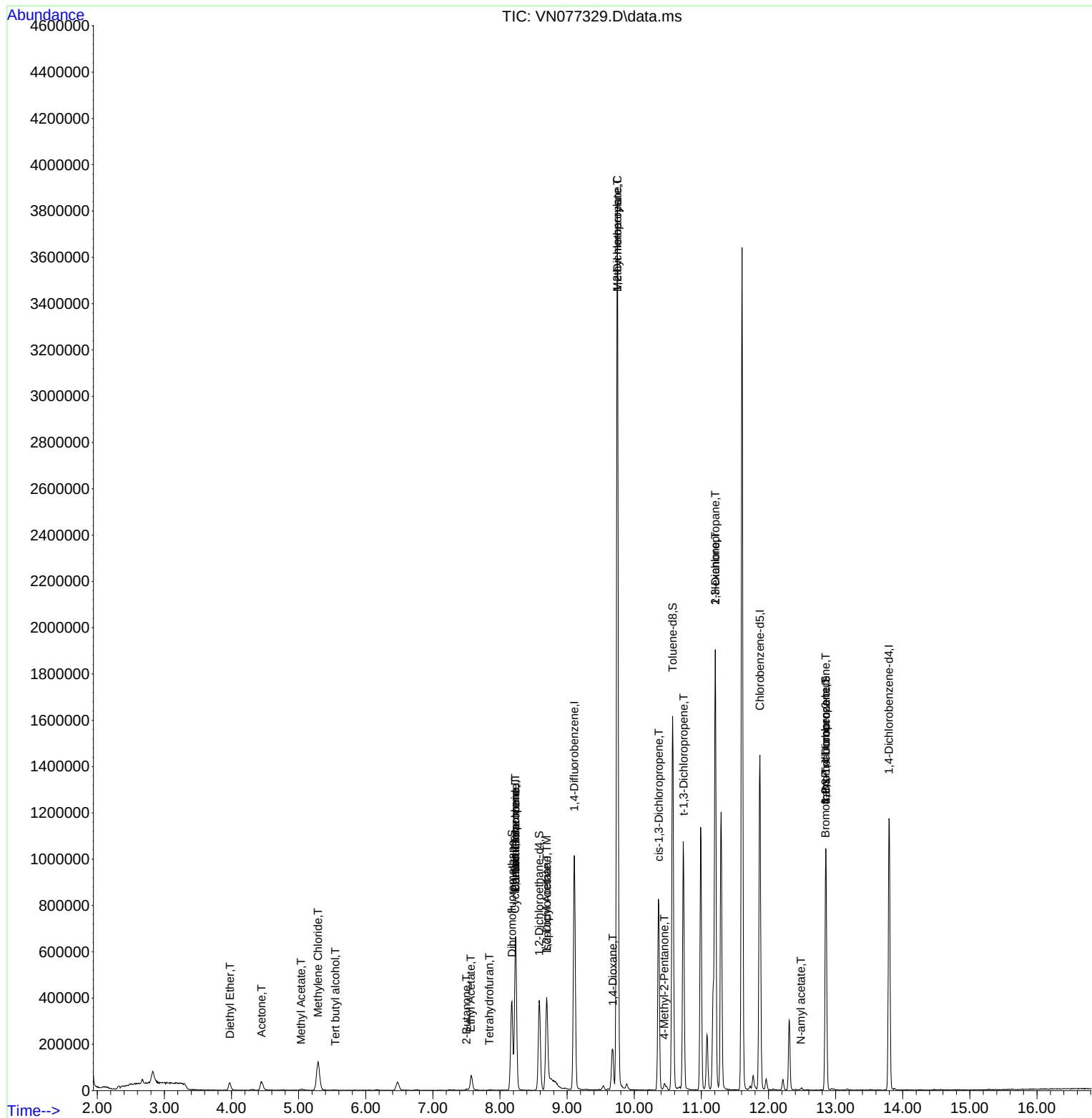
Internal Standards						
1) Pentafluorobenzene	8.230	168	472865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	924072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	872762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	323583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	299445	46.333	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.660%		
35) Dibromofluoromethane	8.178	113	272009	45.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.960%		
50) Toluene-d8	10.571	98	1150610	48.316	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.640%		
62) 4-Bromofluorobenzene	12.854	95	371262	46.875	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.740%		
Target Compounds						Qvalue
8) Diethyl Ether	3.978	74	23121	6.275	ug/l	93
11) Tert butyl alcohol	5.548	59	1623	1.231	ug/l #	88
16) Acetone	4.448	43	69118	29.006	ug/l	97
18) Methyl Acetate	5.037	43	8340	0.919	ug/l #	58
20) Methylene Chloride	5.289	84	108307	16.094	ug/l	94
25) 2-Butanone	7.501	43	6903	1.785	ug/l	95
29) Tetrahydrofuran	7.842	42	573	0.230	ug/l #	79
31) Cyclohexane	8.225	56	12267	1.222	ug/l #	56
36) 1,1-Dichloropropene	8.230	75	39890	4.559	ug/l #	48
37) Ethyl Acetate	7.566	43	90190	11.521	ug/l	97
38) Carbon Tetrachloride	8.230	117	53392	5.956	ug/l #	15
42) 1,2-Dichloroethane	8.695	62	2764	0.329	ug/l #	73
43) Isopropyl Acetate	8.695	43	516593	35.764	ug/l #	83
45) 1,2-Dichloropropane	9.748	63	6061	0.935	ug/l #	41
48) Methyl methacrylate	9.748	41	315765	51.245	ug/l #	32
49) 1,4-Dioxane	9.683	88	164	1.098	ug/l #	28
51) 4-Methyl-2-Pentanone	10.448	43	14719	1.763	ug/l	93
53) t-1,3-Dichloropropene	10.736	75	3175	0.300	ug/l	95
54) cis-1,3-Dichloropropene	10.366	75	172627	15.291	ug/l #	60
57) 1,3-Dichloropropane	11.207	76	21533	1.859	ug/l #	43
59) 2-Hexanone	11.207	43	202618	32.574	ug/l #	53
71) Bromoform	12.848	173	1574	0.308	ug/l #	1
74) N-amyl acetate	12.483	43	4081	0.343	ug/l #	42
76) 1,2,3-Trichloropropane	12.854	75	198833	25.804	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	198833	58.069	ug/l #	13

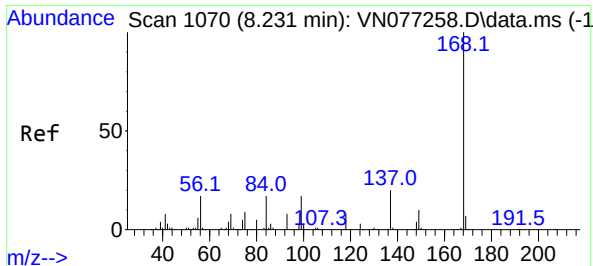
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 06 08:27:03 2023
Response via : Initial Calibration

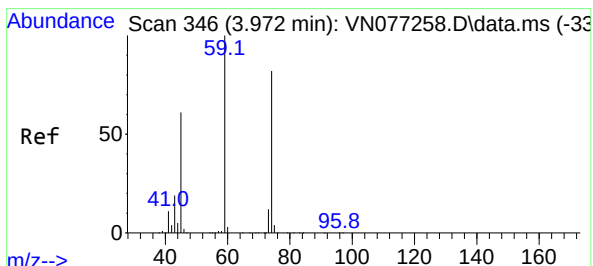
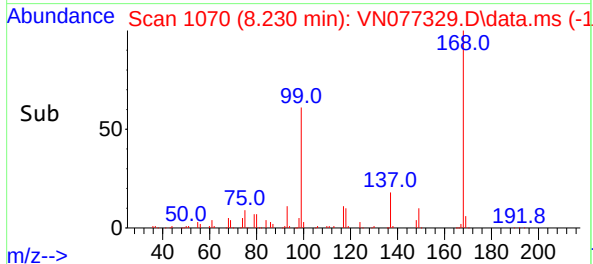
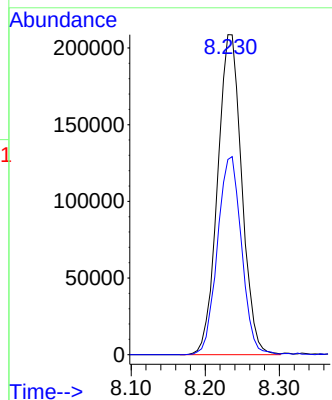
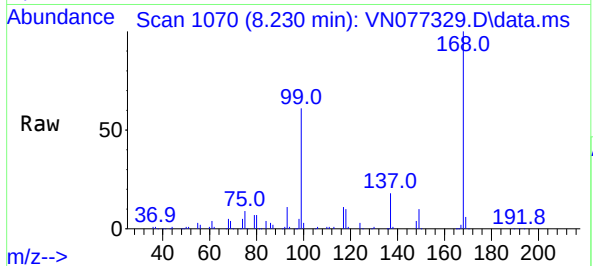




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

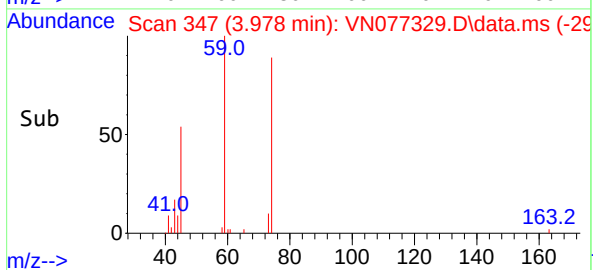
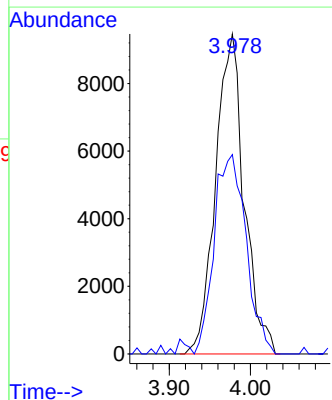
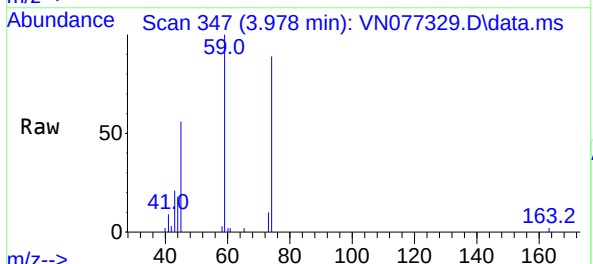
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

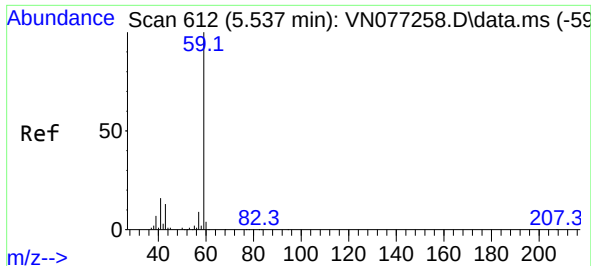
Tgt Ion:168 Resp: 472865
Ion Ratio Lower Upper
168 100
99 61.0 50.6 75.8



#8
Diethyl Ether
Concen: 6.275 ug/l
RT: 3.978 min Scan# 347
Delta R.T. 0.006 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion: 74 Resp: 23121
Ion Ratio Lower Upper
74 100
45 69.6 37.8 113.4

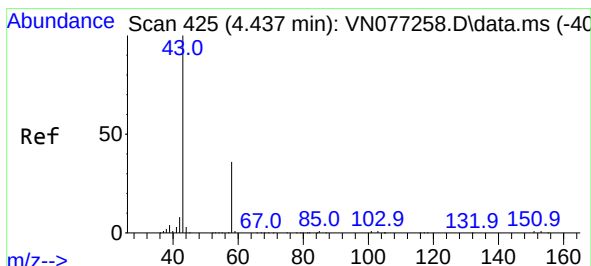
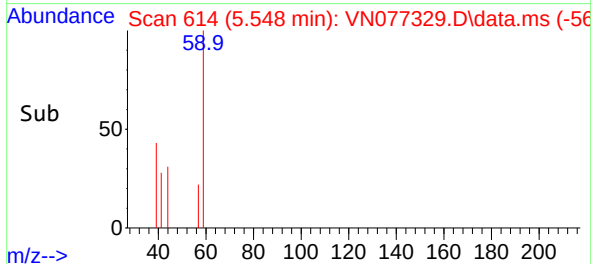
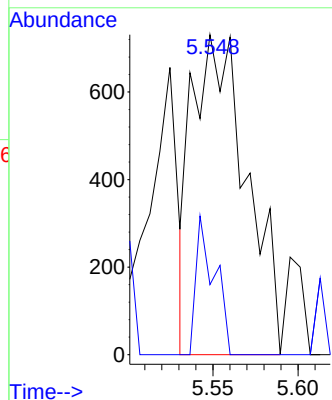
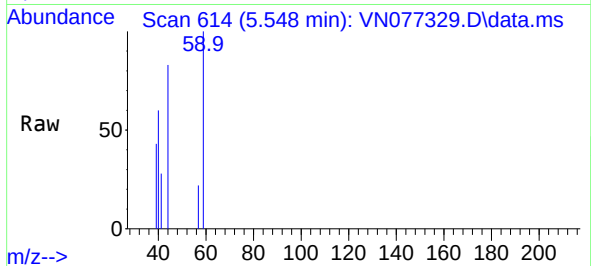




#11
Tert butyl alcohol
Concen: 1.231 ug/l
RT: 5.548 min Scan# 612
Delta R.T. 0.011 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

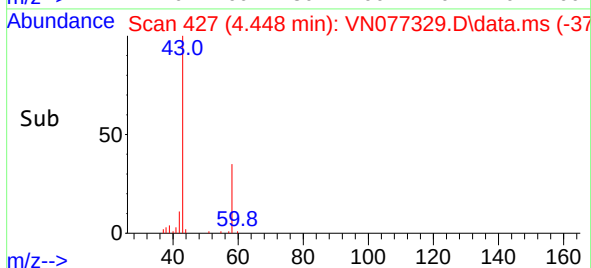
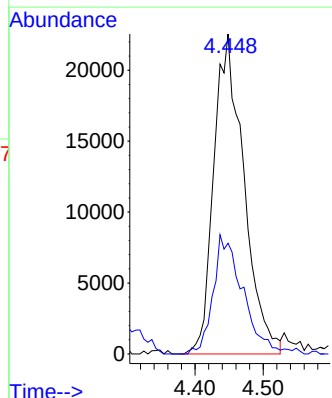
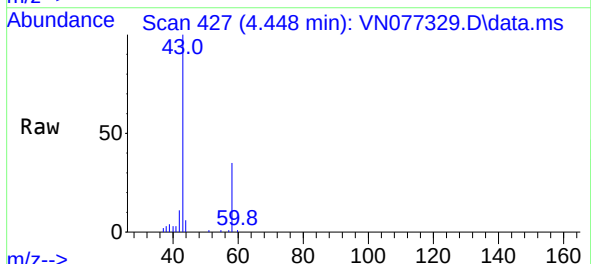
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

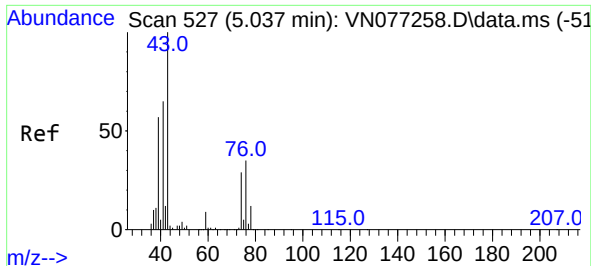
Tgt Ion: 59 Resp: 1623
Ion Ratio Lower Upper
59 100
57 14.8 8.3 12.5#



#16
Acetone
Concen: 29.006 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion: 43 Resp: 69118
Ion Ratio Lower Upper
43 100
58 34.6 29.0 43.6

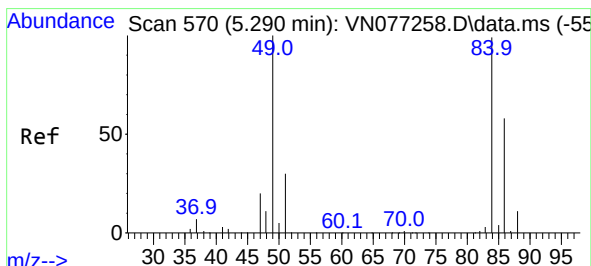
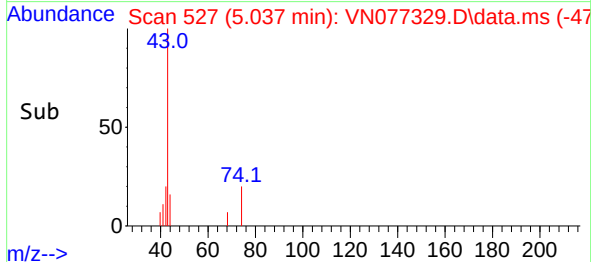
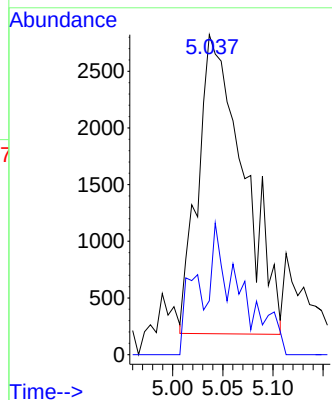
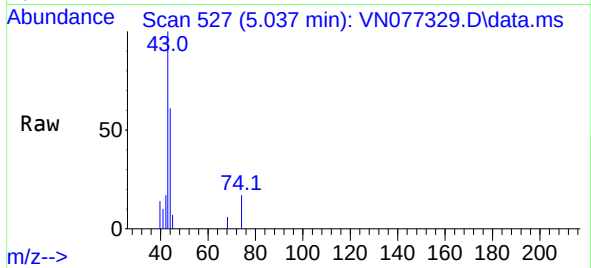




#18
Methyl Acetate
Concen: 0.919 ug/l
RT: 5.037 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

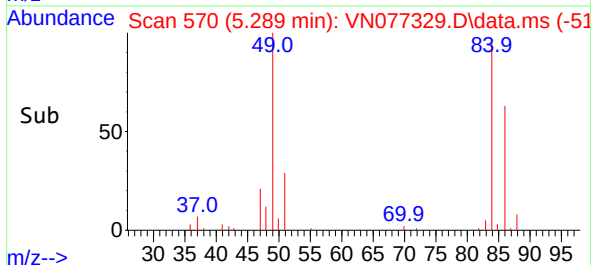
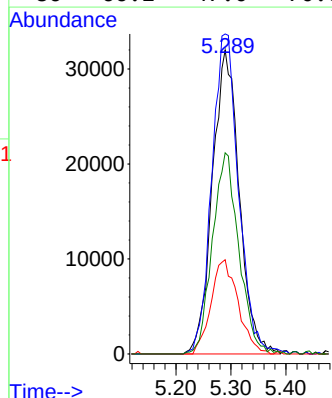
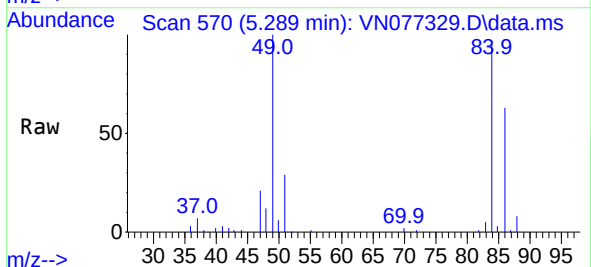
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

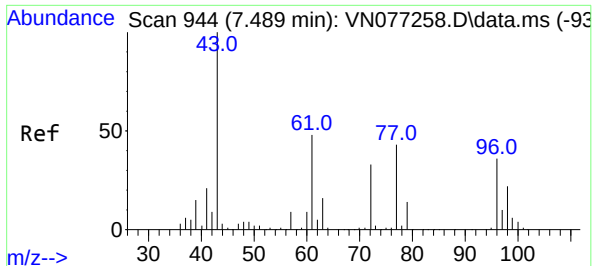
Tgt Ion: 43 Resp: 8340
Ion Ratio Lower Upper
43 100
74 6.7 23.4 35.2#



#20
Methylene Chloride
Concen: 16.094 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion: 84 Resp: 108307
Ion Ratio Lower Upper
84 100
49 105.3 80.6 121.0
51 31.0 24.4 36.6
86 66.2 47.0 70.6





#25

2-Butanone

Concen: 1.785 ug/l

RT: 7.501 min Scan# 944

Delta R.T. 0.012 min

Lab File: VN077329.D

Acq: 13 Apr 2023 15:25

Instrument :

MSVOA_N

ClientSampleId :

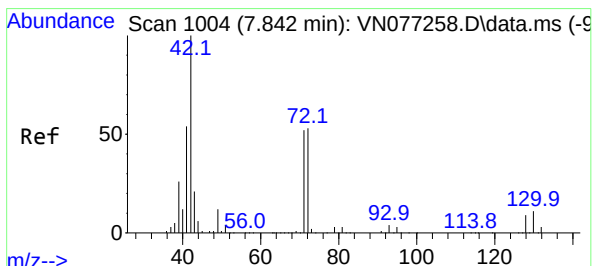
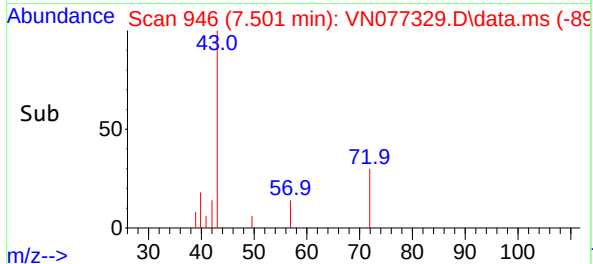
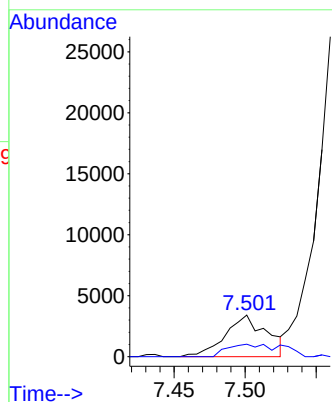
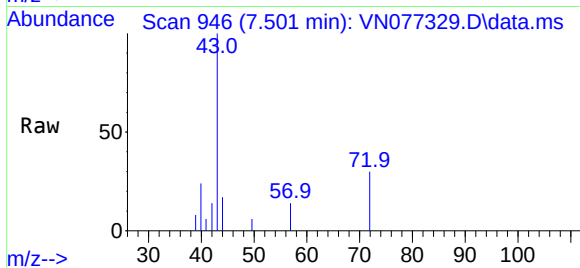
PB152070ZHE#01

Tgt Ion: 43 Resp: 6903

Ion Ratio Lower Upper

43 100

72 30.2 26.6 39.8



#29

Tetrahydrofuran

Concen: 0.230 ug/l

RT: 7.842 min Scan# 1004

Delta R.T. 0.000 min

Lab File: VN077329.D

Acq: 13 Apr 2023 15:25

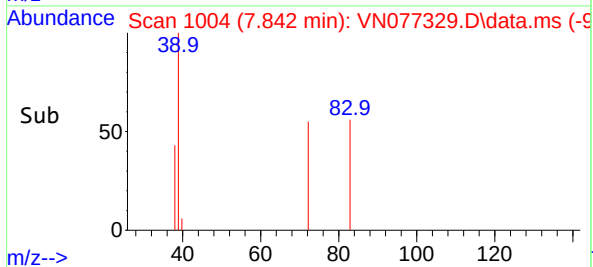
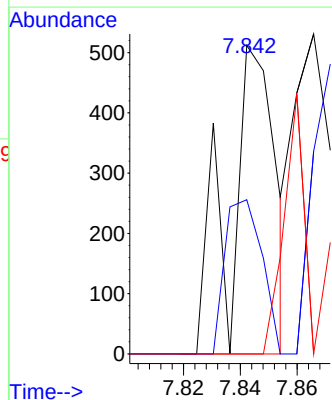
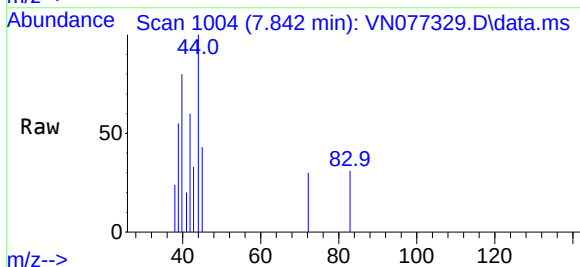
Tgt Ion: 42 Resp: 573

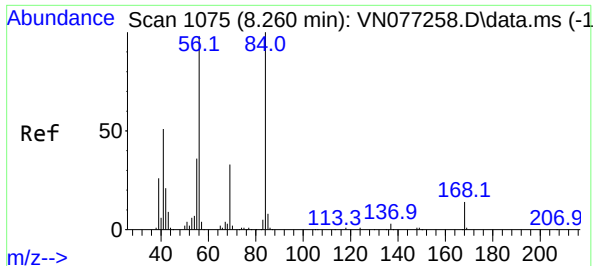
Ion Ratio Lower Upper

42 100

72 40.5 44.6 66.8#

71 36.5 41.3 61.9#

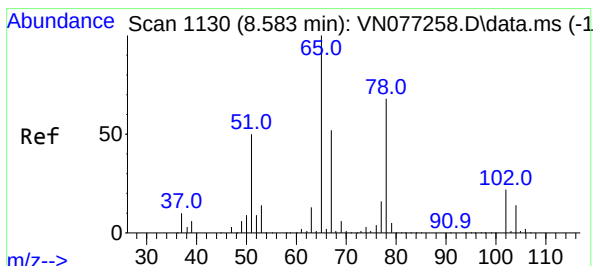
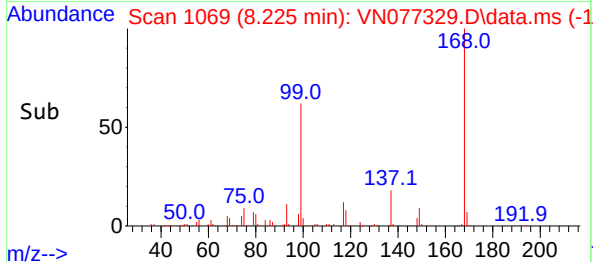
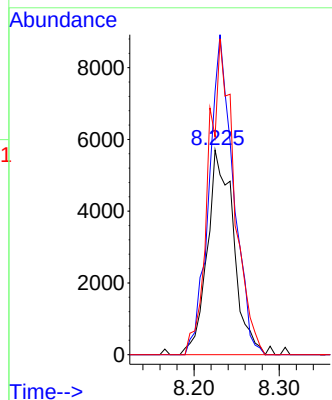
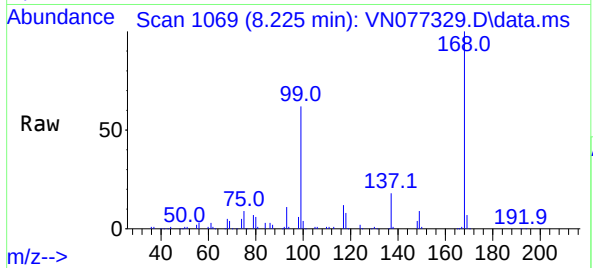




#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.225 min Scan# 1069
Delta R.T. -0.035 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

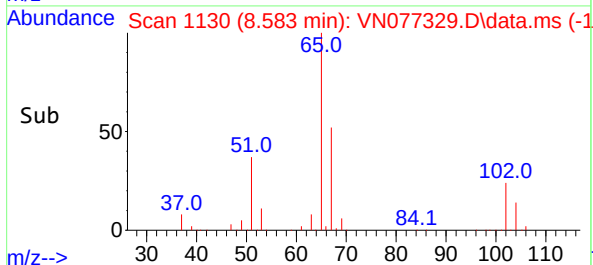
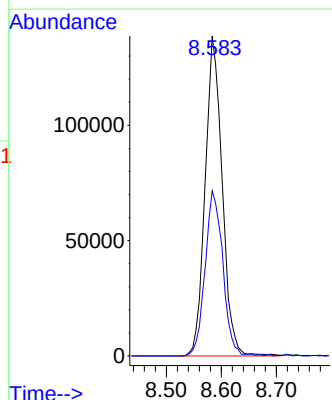
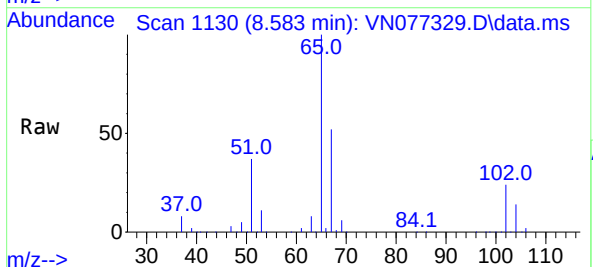
Instrument :
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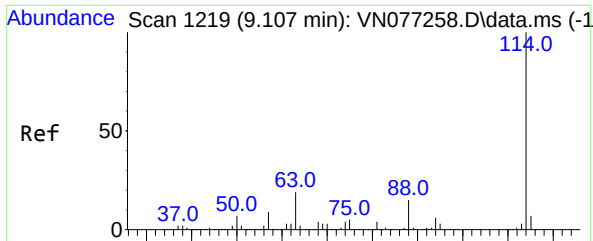
Tgt Ion: 56 Resp: 12267
Ion Ratio Lower Upper
56 100
69 128.6 26.6 40.0#
84 106.4 81.8 122.8



#33
1,2-Dichloroethane-d4
Concen: 46.333 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion: 65 Resp: 299445
Ion Ratio Lower Upper
65 100
67 53.6 0.0 108.8

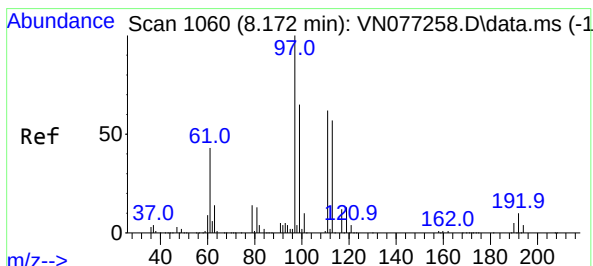
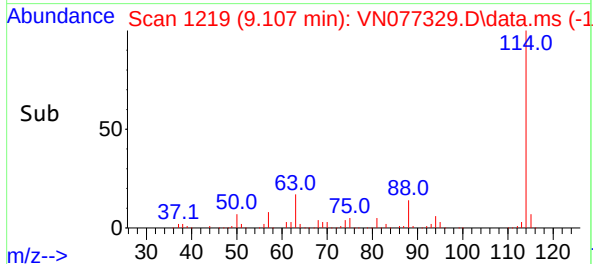
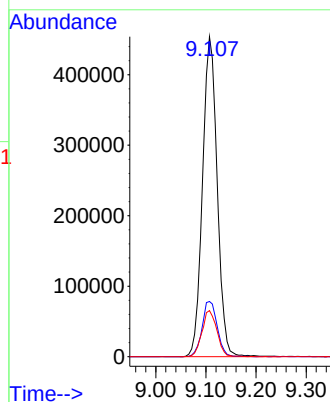
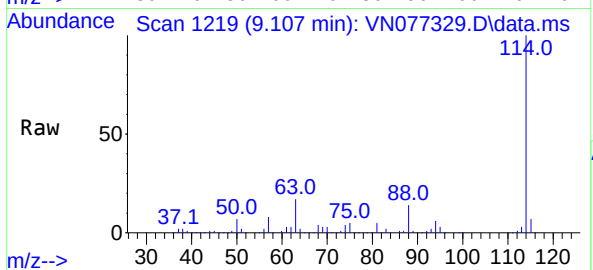




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

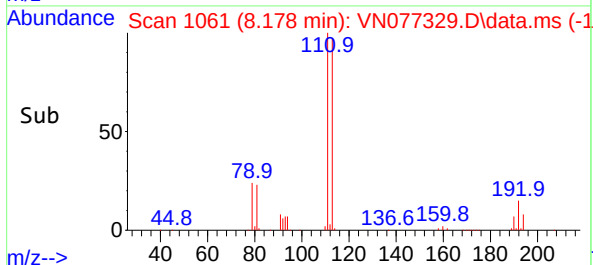
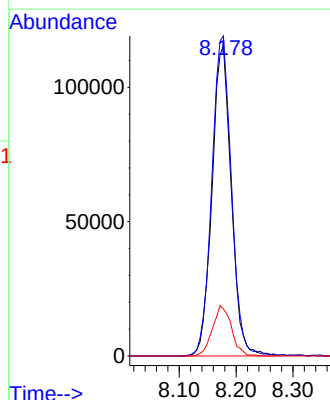
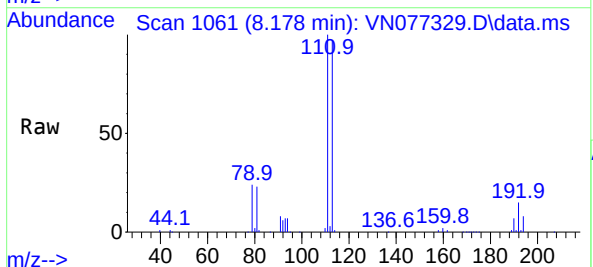
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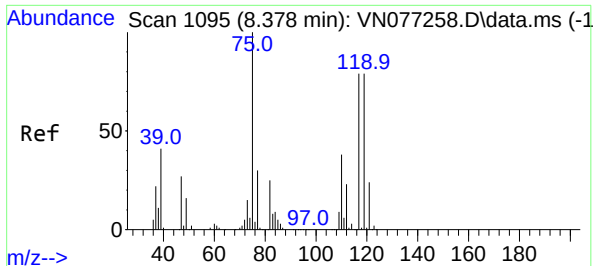
Tgt Ion:114 Resp: 924072
Ion Ratio Lower Upper
114 100
63 17.3 0.0 37.8
88 14.4 0.0 29.4



#35
Dibromofluoromethane
Concen: 45.981 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion:113 Resp: 272009
Ion Ratio Lower Upper
113 100
111 105.0 83.4 125.0
192 16.0 13.5 20.3

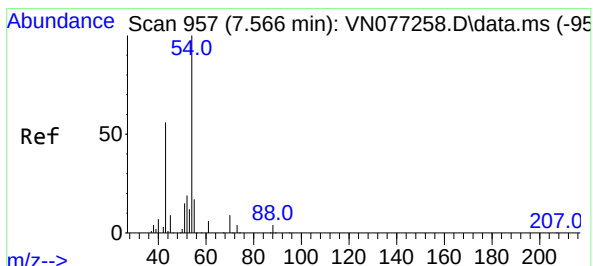
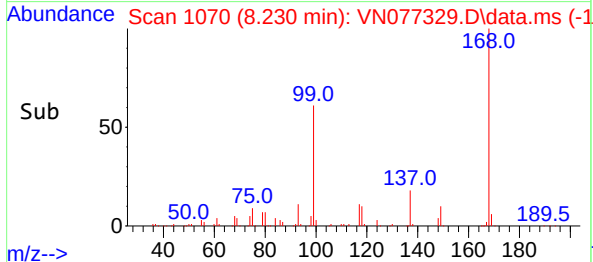
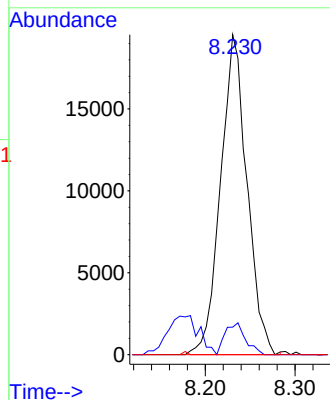
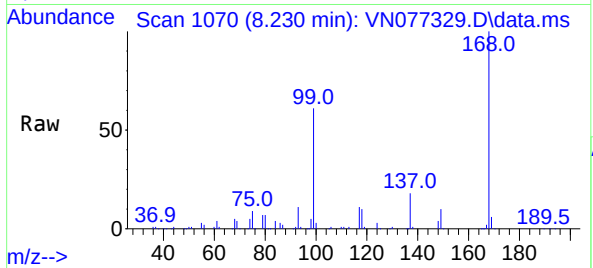




#36
1,1-Dichloropropene
Concen: 4.559 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.148 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

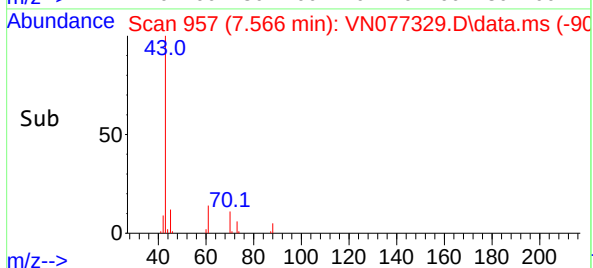
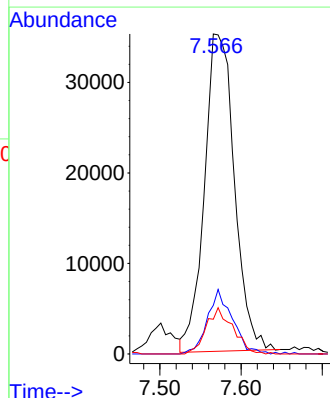
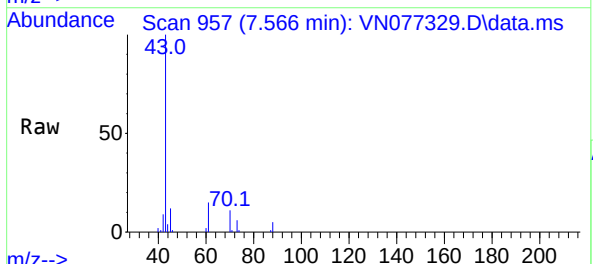
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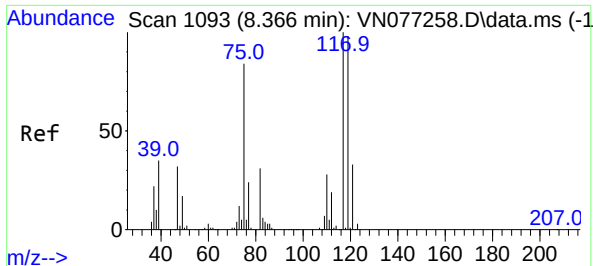
Tgt Ion: 75 Resp: 39890
Ion Ratio Lower Upper
75 100
110 7.7 17.8 53.5#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 11.521 ug/l
RT: 7.566 min Scan# 957
Delta R.T. -0.000 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

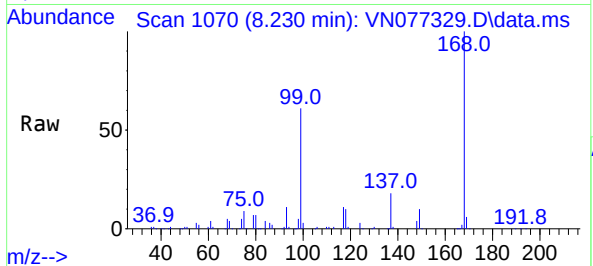
Tgt Ion: 43 Resp: 90190
Ion Ratio Lower Upper
43 100
61 16.9 12.2 18.2
70 13.0 10.0 15.0



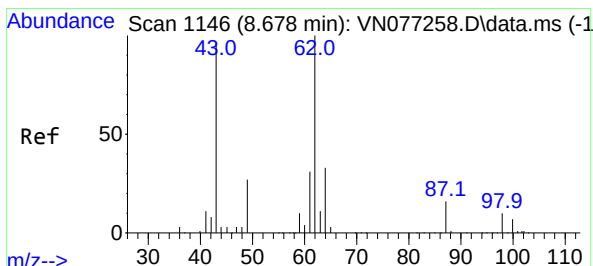
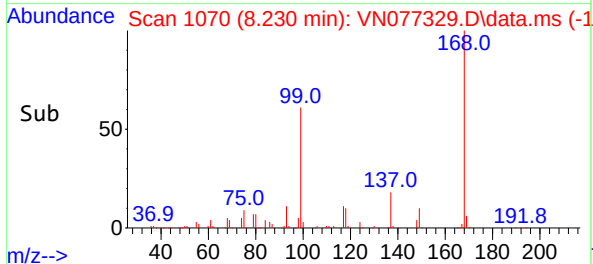
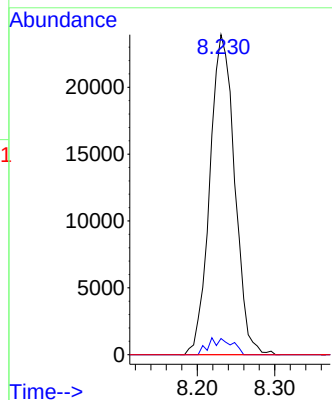


#38
Carbon Tetrachloride
Concen: 5.956 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.136 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

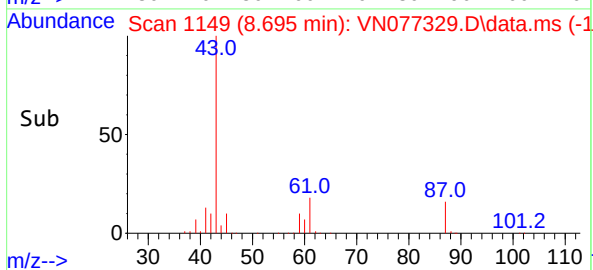
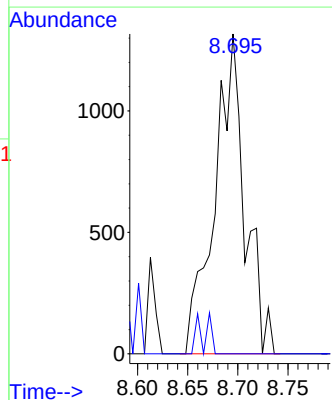
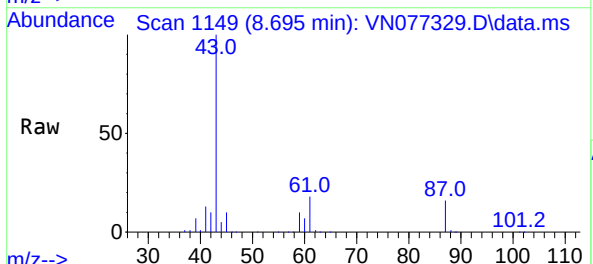


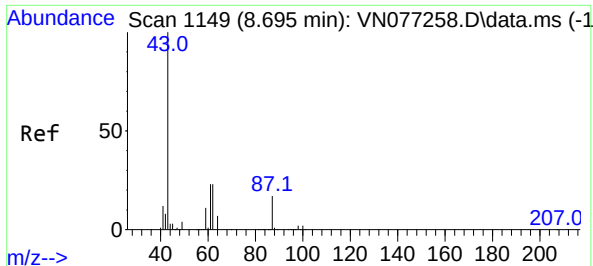
Tgt Ion: 117 Resp: 53392
Ion Ratio Lower Upper
117 100
119 5.1 78.5 117.7#
121 0.0 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 0.329 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.017 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

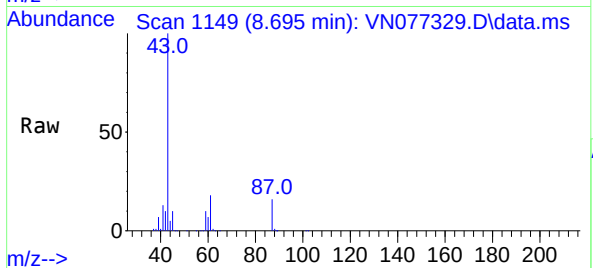
Tgt Ion: 62 Resp: 2764
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2



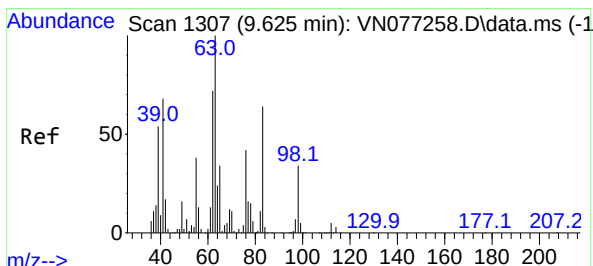
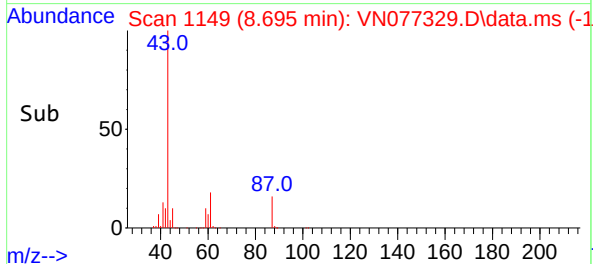
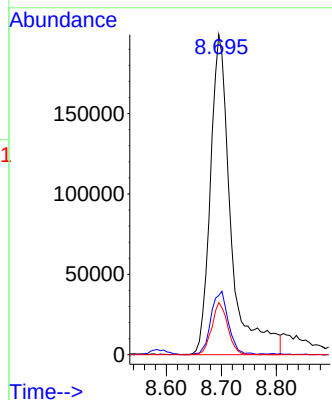


#43
Isopropyl Acetate
Concen: 35.764 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

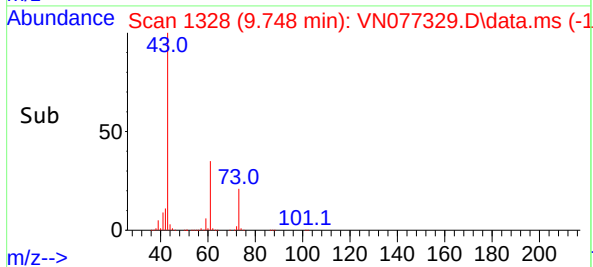
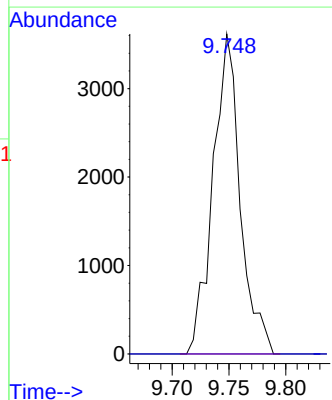
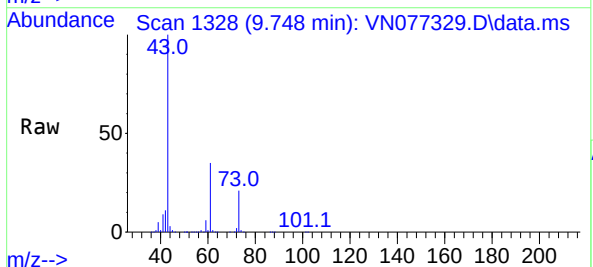


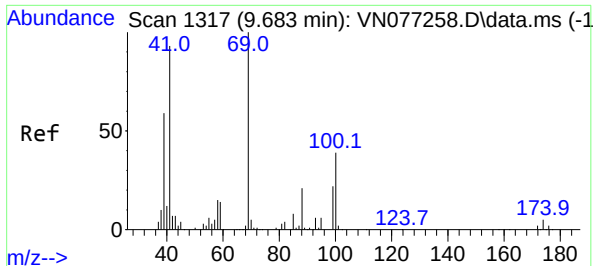
Tgt Ion: 43 Resp: 516593
Ion Ratio Lower Upper
43 100
61 16.8 22.7 34.1#
87 12.6 13.6 20.4#



#45
1,2-Dichloropropane
Concen: 0.935 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.123 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion: 63 Resp: 6061
Ion Ratio Lower Upper
63 100
65 0.0 27.1 40.7#

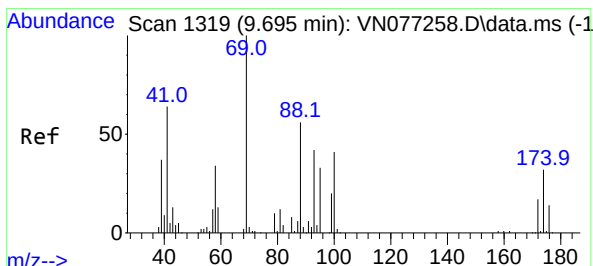
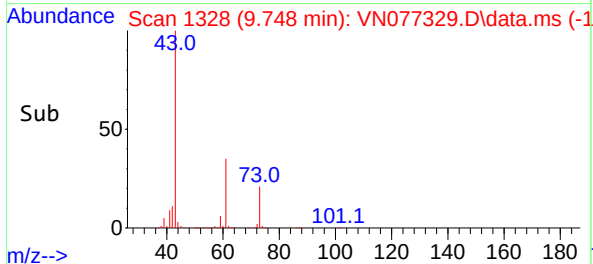
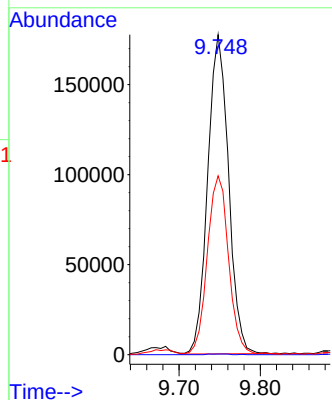
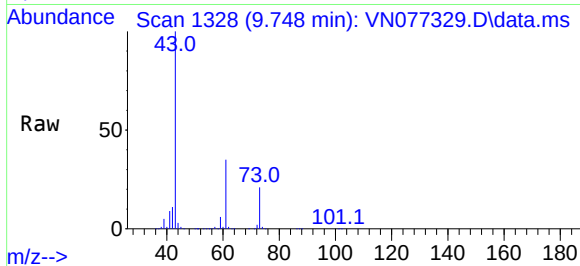




#48
Methyl methacrylate
Concen: 51.245 ug/l
RT: 9.748 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

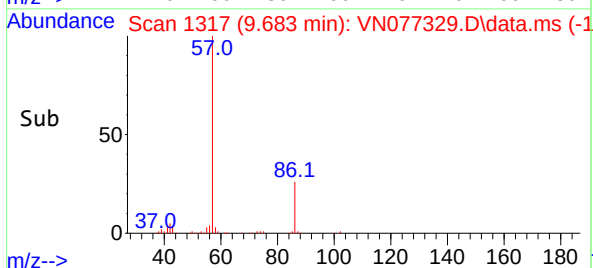
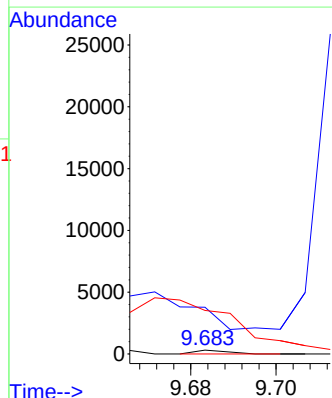
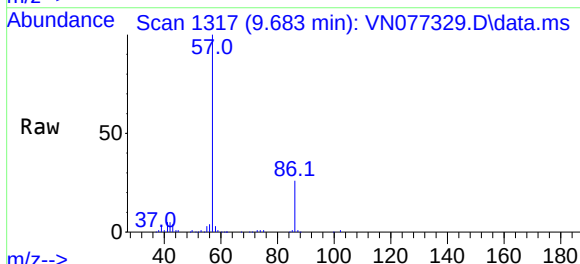
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

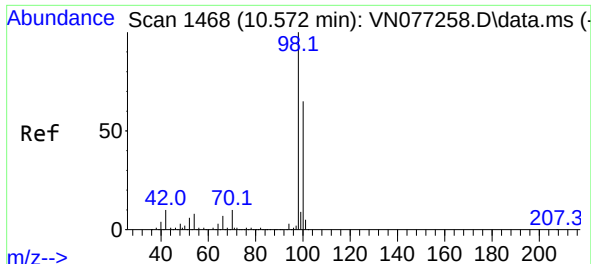
Tgt Ion: 41 Resp: 315765
Ion Ratio Lower Upper
41 100
69 0.2 85.0 127.6#
39 57.0 53.5 80.3



#49
1,4-Dioxane
Concen: 1.098 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. -0.012 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion: 88 Resp: 164
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 49.8 74.6#

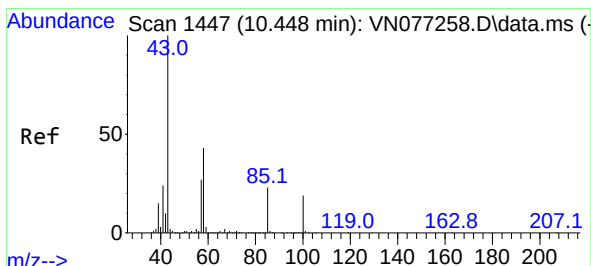
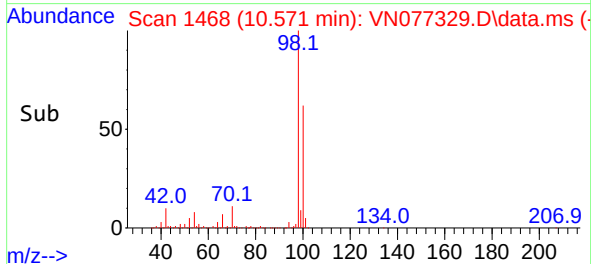
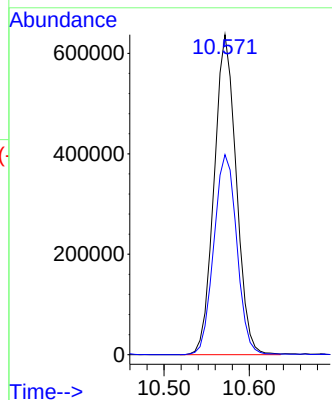
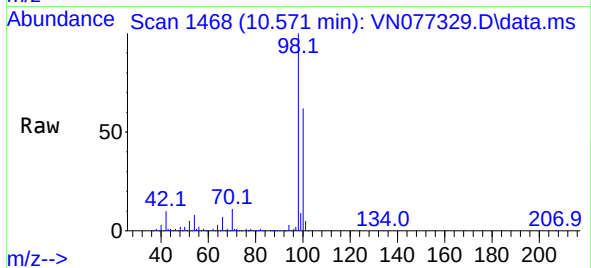




#50
Toluene-d8
Concen: 48.316 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. -0.001 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

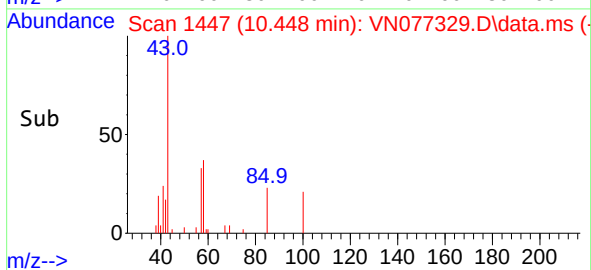
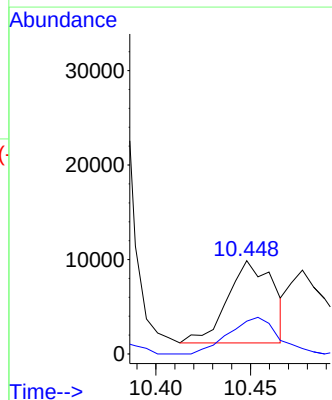
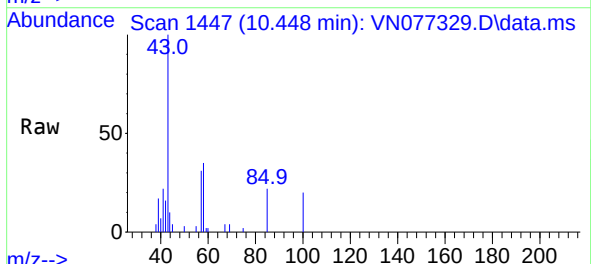
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

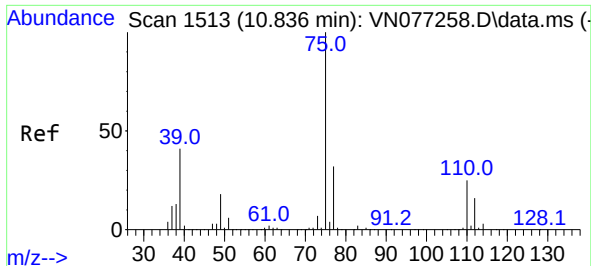
Tgt Ion: 98 Resp: 1150610
Ion Ratio Lower Upper
98 100
100 64.9 51.3 76.9



#51
4-Methyl-2-Pentanone
Concen: 1.763 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion: 43 Resp: 14719
Ion Ratio Lower Upper
43 100
58 47.6 34.6 52.0

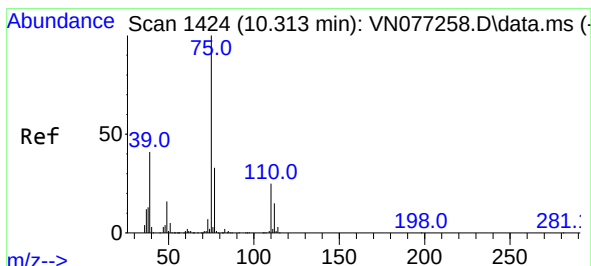
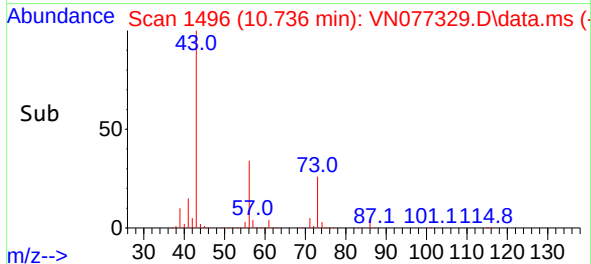
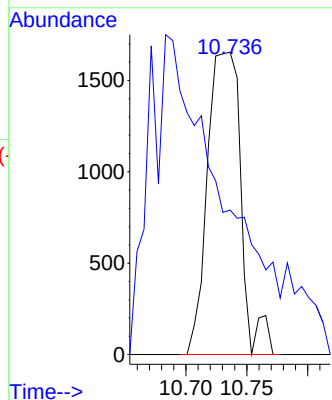
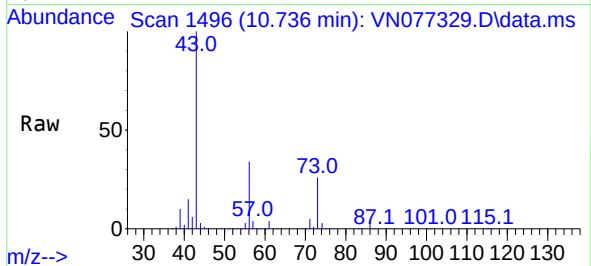




#53
t-1,3-Dichloropropene
Concen: 0.300 ug/l
RT: 10.736 min Scan# 1433
Delta R.T. -0.100 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

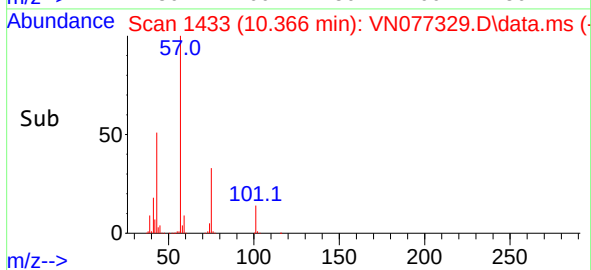
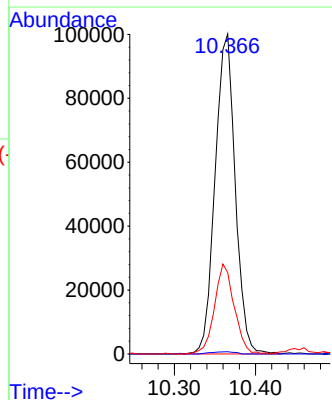
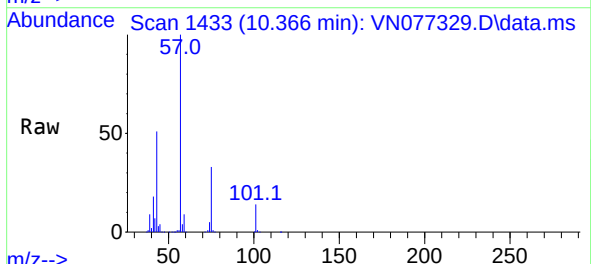
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

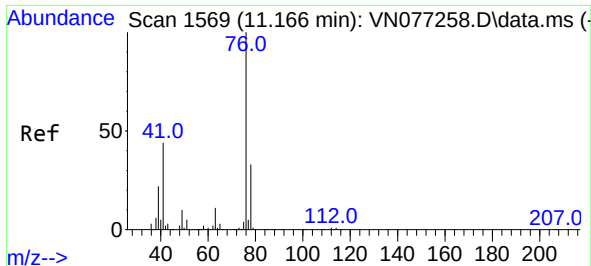
Tgt Ion: 75 Resp: 3175
Ion Ratio Lower Upper
75 100
77 29.1 25.4 38.0



#54
cis-1,3-Dichloropropene
Concen: 15.291 ug/l
RT: 10.366 min Scan# 1433
Delta R.T. 0.053 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion: 75 Resp: 172627
Ion Ratio Lower Upper
75 100
77 0.7 26.7 40.1#
39 25.5 32.8 49.2#





#57

1,3-Dichloropropane

Concen: 1.859 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.041 min

Lab File: VN077329.D

Acq: 13 Apr 2023 15:25

Instrument :

MSVOA_N

ClientSampleId :

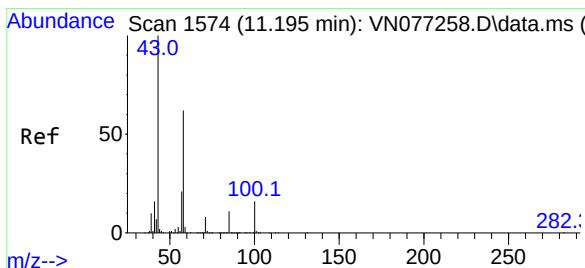
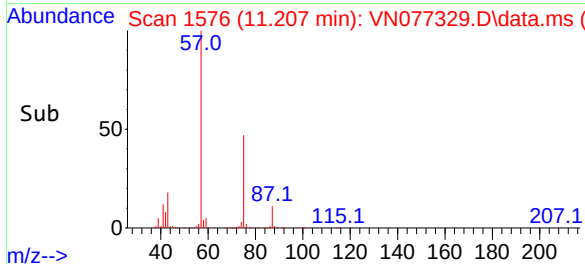
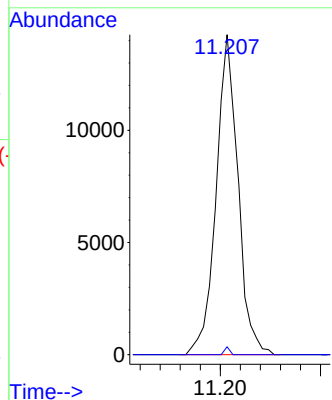
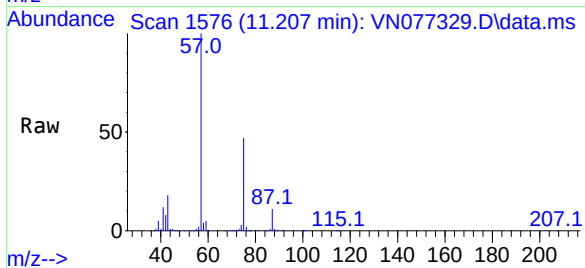
PB152070ZHE#01

Tgt Ion: 76 Resp: 21533

Ion Ratio Lower Upper

76 100

78 0.6 26.2 39.4#



#59

2-Hexanone

Concen: 32.574 ug/l

RT: 11.207 min Scan# 1576

Delta R.T. 0.012 min

Lab File: VN077329.D

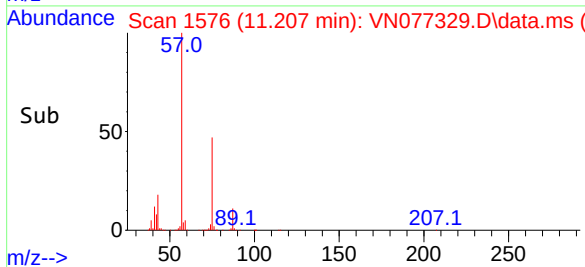
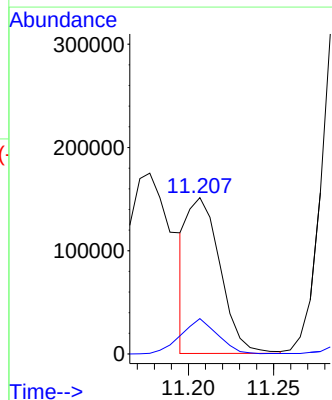
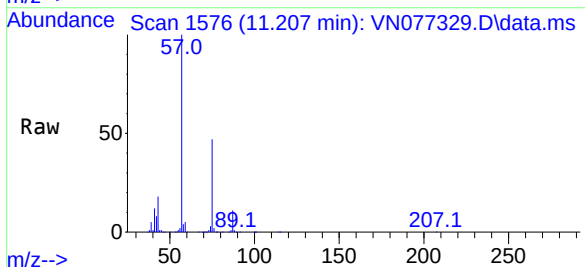
Acq: 13 Apr 2023 15:25

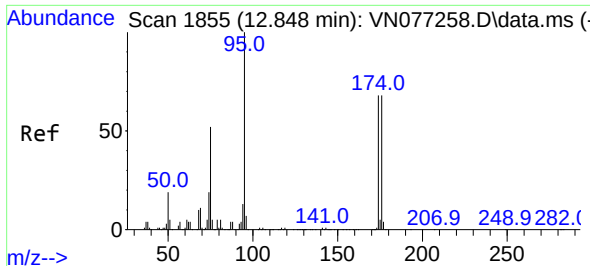
Tgt Ion: 43 Resp: 202618

Ion Ratio Lower Upper

43 100

58 25.6 30.9 92.5#

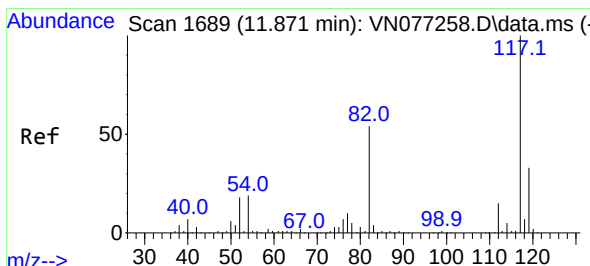
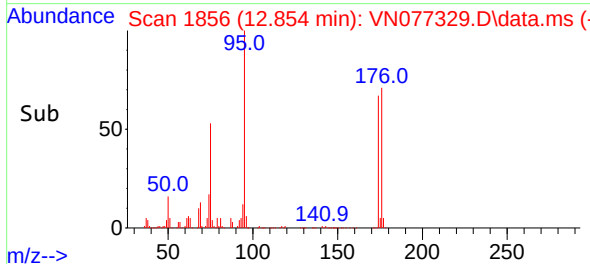
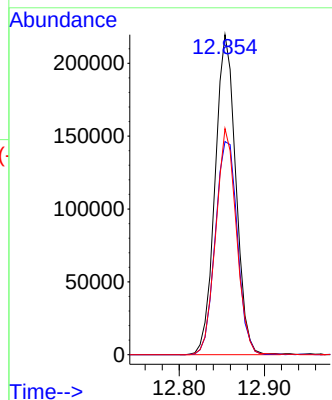
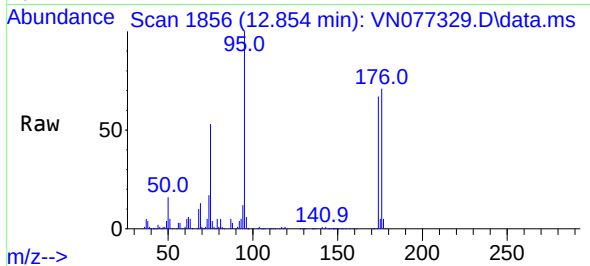




#62
4-Bromofluorobenzene
Concen: 46.875 ug/l
RT: 12.854 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

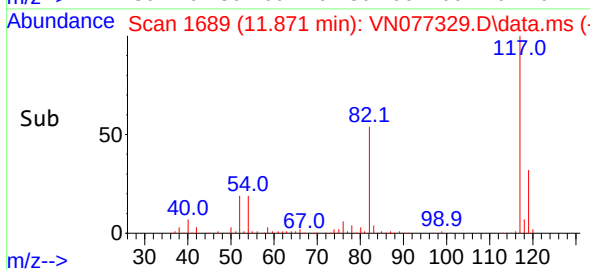
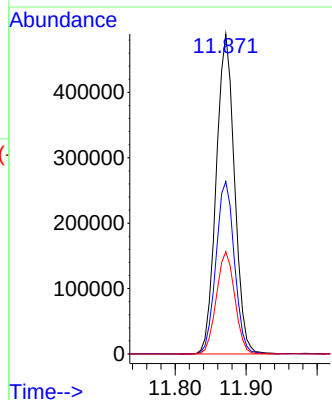
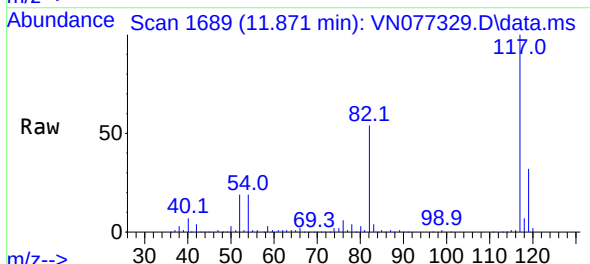
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

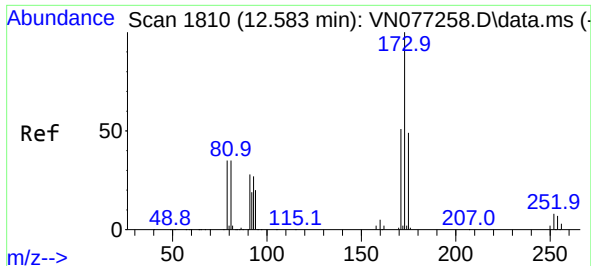
Tgt Ion: 95 Resp: 371262
Ion Ratio Lower Upper
95 100
174 71.0 0.0 146.8
176 70.4 0.0 139.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion: 117 Resp: 872762
Ion Ratio Lower Upper
117 100
82 53.9 42.9 64.3
119 32.0 26.2 39.4

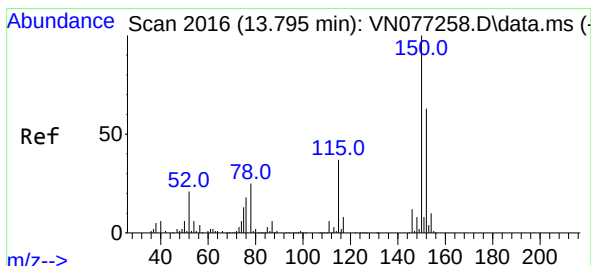
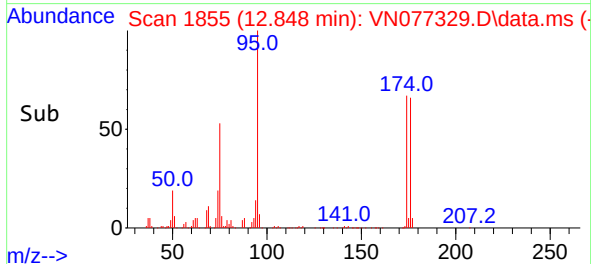
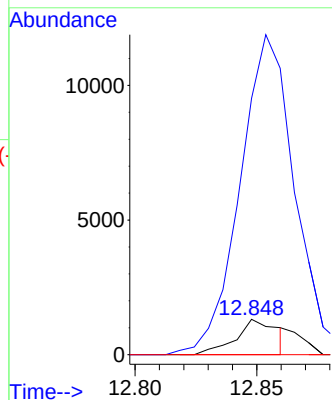
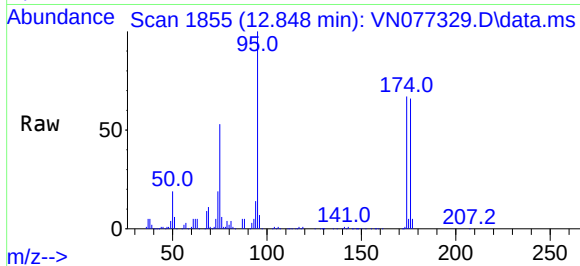




#71
Bromoform
Concen: 0.308 ug/l
RT: 12.848 min Scan# 1810
Delta R.T. 0.265 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

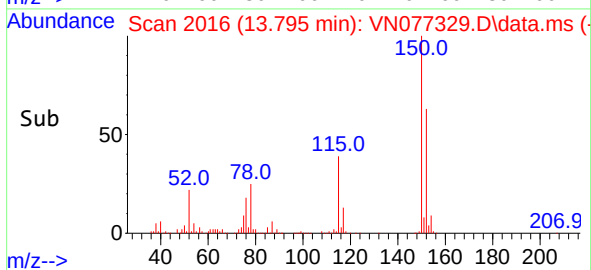
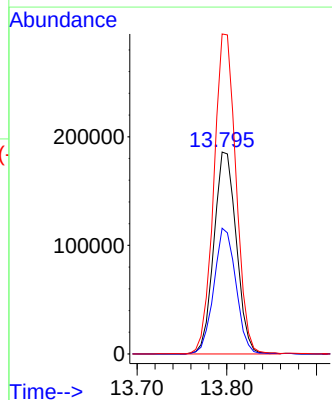
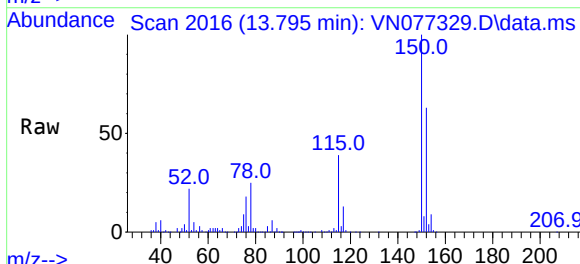
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

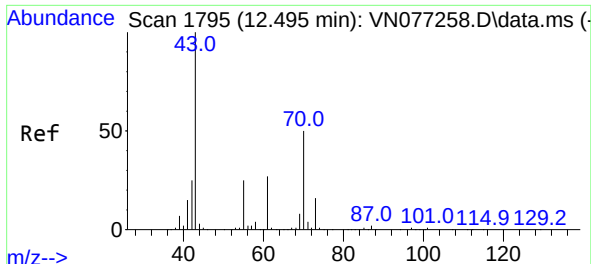
Tgt Ion:173 Resp: 1574
Ion Ratio Lower Upper
173 100
175 929.2 24.1 72.4#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

Tgt Ion:152 Resp: 323583
Ion Ratio Lower Upper
152 100
115 61.4 32.1 96.3
150 156.6 0.0 354.8

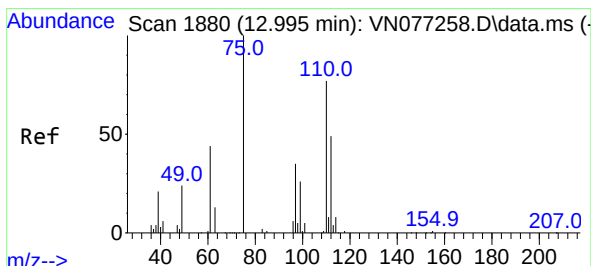
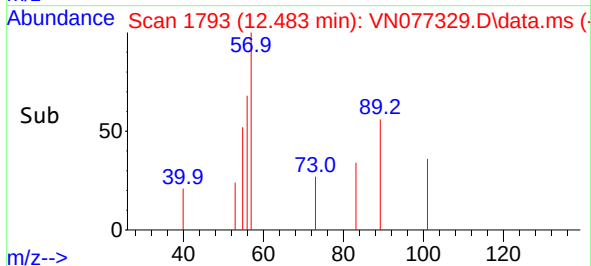
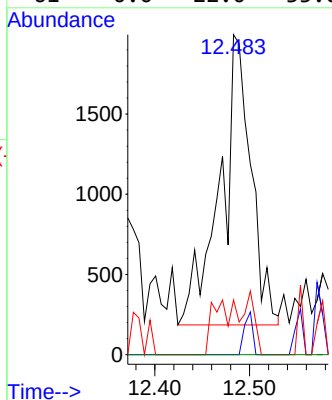
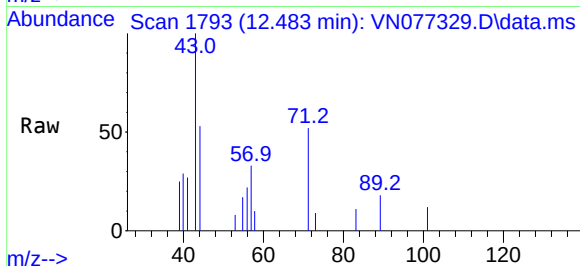




#74
N-amy1 acetate
Concen: 0.343 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

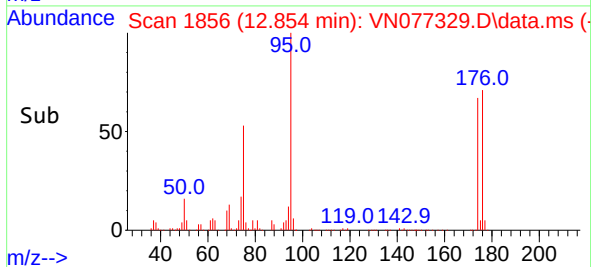
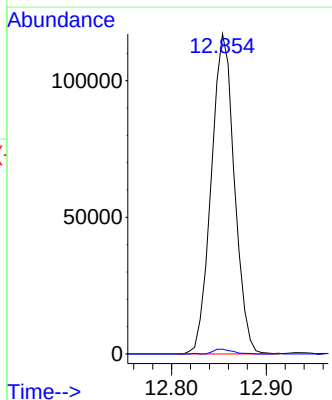
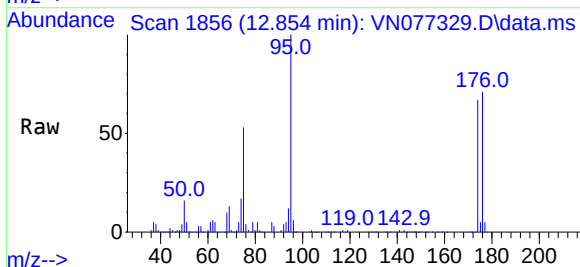
Instrument :
MSVOA_N
ClientSampleId :
PB152070ZHE#01

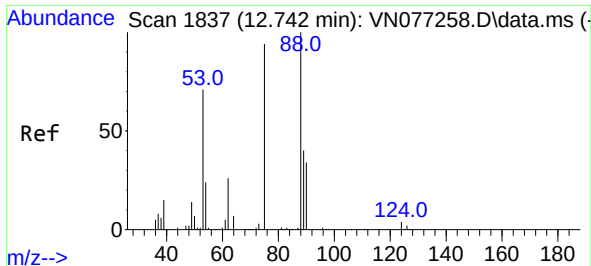
Tgt Ion:	43	Resp:	4081
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.0	61.6#
55	9.6	19.3	28.9#
61	0.0	22.0	33.0#



#76
1,2,3-Trichloropropane
Concen: 25.804 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077329.D
Acq: 13 Apr 2023 15:25

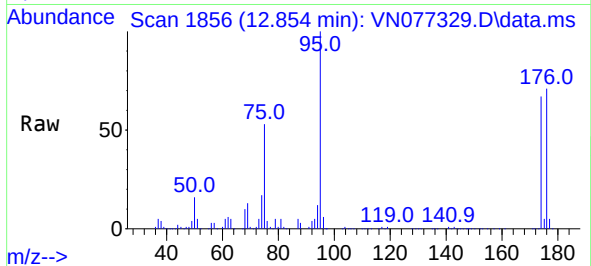
Tgt Ion:	75	Resp:	198833
Ion	Ratio	Lower	Upper
75	100		
77	1.3	88.3	264.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.069 ug/l
 RT: 12.854 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN077329.D
 Acq: 13 Apr 2023 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152070ZHE#01



Tgt Ion: 75 Resp: 198833
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.8 109.2#
 89 0.1 37.4 56.2#

