

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050323\
 Data File : VN077564.D
 Acq On : 03 May 2023 15:44
 Operator : JC\MD
 Sample : PB152533ZHE#09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB152533ZHE#09

Quant Time: May 04 04:48:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

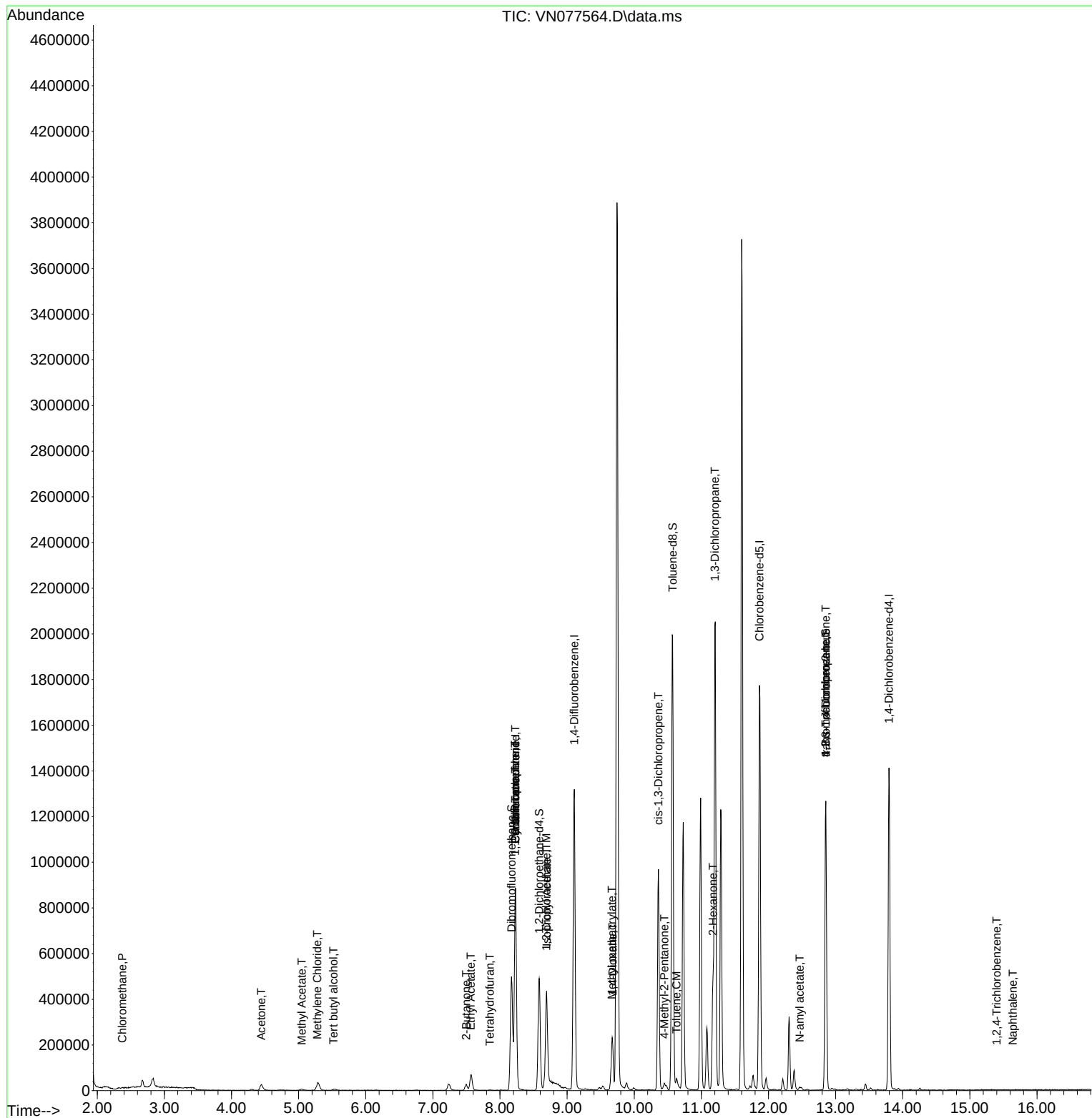
Internal Standards						
1) Pentafluorobenzene	8.231	168	622791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1216620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1130278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	395541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	413610	50.895	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.800%			
35) Dibromofluoromethane	8.172	113	370126	50.616	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.240%			
50) Toluene-d8	10.572	98	1496642	53.403	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.800%			
62) 4-Bromofluorobenzene	12.854	95	464931	50.706	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.420%			
Target Compounds						Qvalue
3) Chloromethane	2.372	50	1377	0.221	ug/l	95
11) Tert butyl alcohol	5.519	59	5001	3.833	ug/l	97
16) Acetone	4.443	43	48569	18.786	ug/l #	88
18) Methyl Acetate	5.048	43	10143	1.016	ug/l	97
20) Methylene Chloride	5.278	84	30074	3.668	ug/l #	82
25) 2-Butanone	7.495	43	36374	9.919	ug/l	95
29) Tetrahydrofuran	7.848	42	1665	0.725	ug/l #	30
31) Cyclohexane	8.231	56	14760	1.282	ug/l #	31
36) 1,1-Dichloropropene	8.225	75	52154	4.937	ug/l #	51
37) Ethyl Acetate	7.566	43	93099	11.597	ug/l #	92
38) Carbon Tetrachloride	8.231	117	68571	5.883	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	3690	0.334	ug/l #	73
43) Isopropyl Acetate	8.695	43	494367	35.597	ug/l #	86
48) Methyl methacrylate	9.666	41	14581	2.307	ug/l #	30
49) 1,4-Dioxane	9.677	88	451	2.844	ug/l #	1
51) 4-Methyl-2-Pentanone	10.448	43	15409	1.892	ug/l #	79
52) Toluene	10.630	92	18286	0.867	ug/l	97
54) cis-1,3-Dichloropropene	10.360	75	204669	15.694	ug/l #	61
57) 1,3-Dichloropropane	11.201	76	24739	1.832	ug/l #	43
59) 2-Hexanone	11.172	43	335547	56.669	ug/l #	19
74) N-amyl acetate	12.466	43	9955	0.916	ug/l #	42
76) 1,2,3-Trichloropropane	12.854	75	246185	26.765	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	246185	75.617	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.401	180	80	0.825	ug/l #	14
95) Naphthalene	15.642	128	787	1.215	ug/l #	82

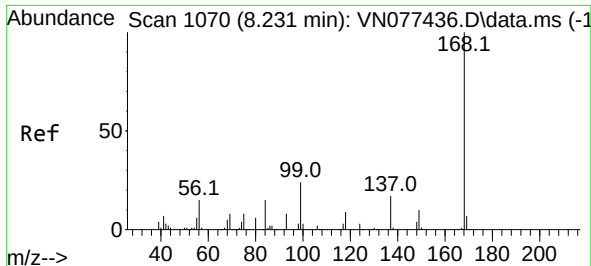
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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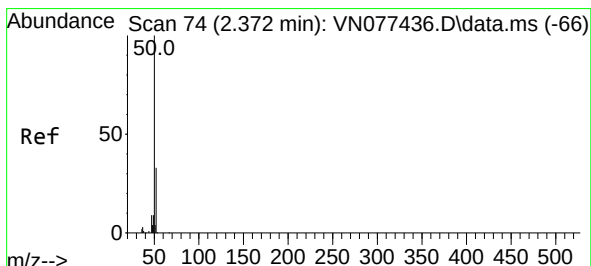
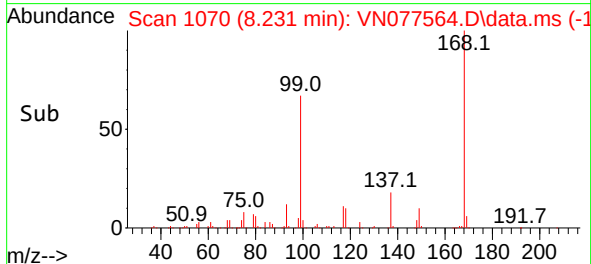
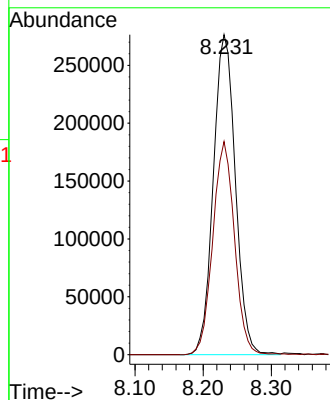
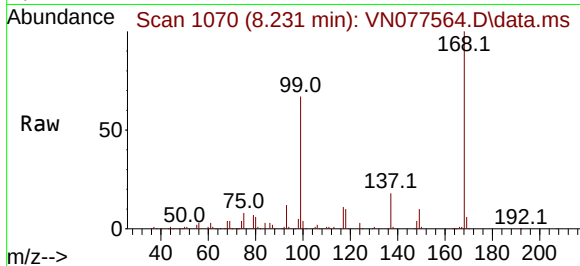




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

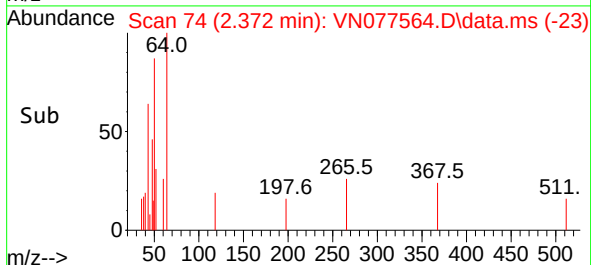
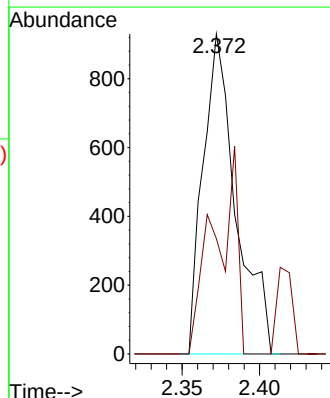
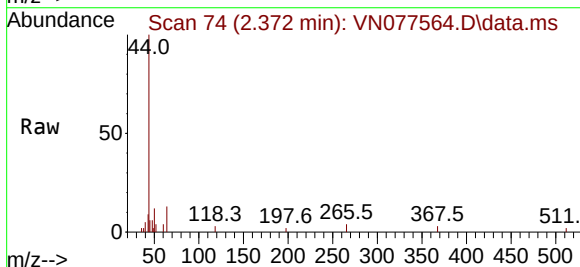
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

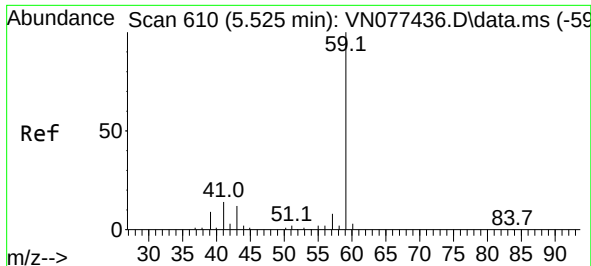
Tgt Ion:168 Resp: 622791
Ion Ratio Lower Upper
168 100
99 66.6 53.0 79.6



#3
Chloromethane
Concen: 0.221 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.000 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 50 Resp: 1377
Ion Ratio Lower Upper
50 100
52 36.0 26.5 39.7

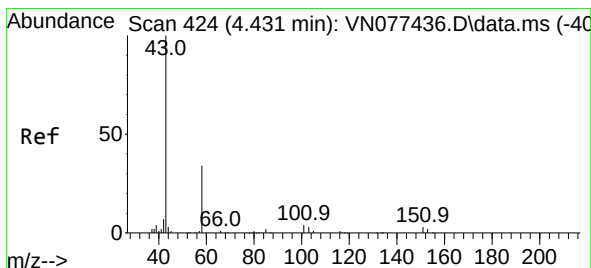
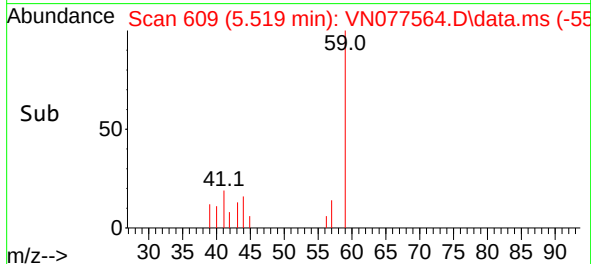
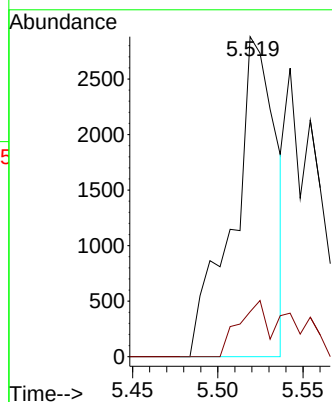
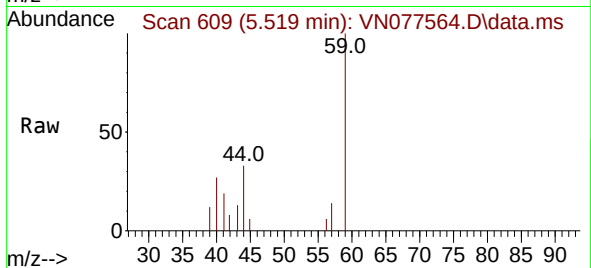




#11
Tert butyl alcohol
Concen: 3.833 ug/l
RT: 5.519 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

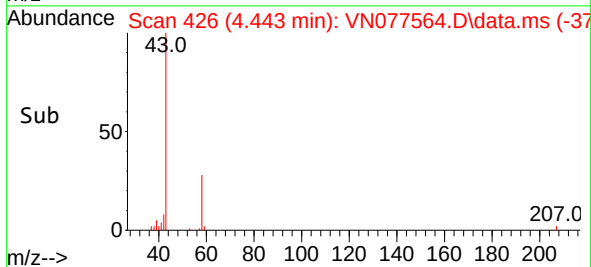
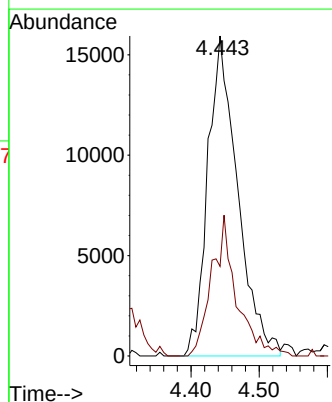
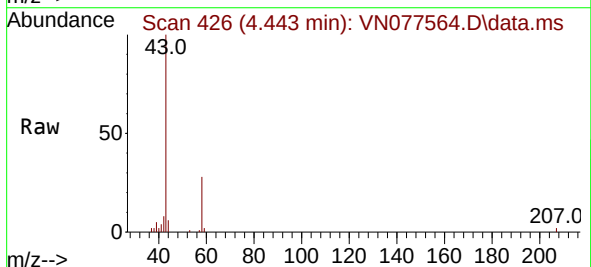
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

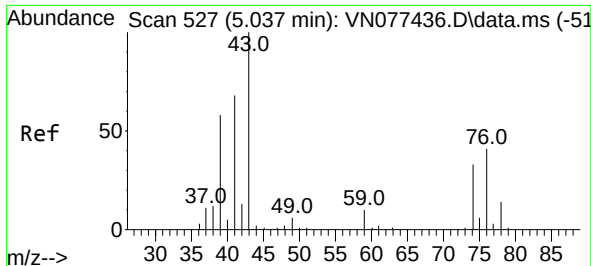
Tgt Ion: 59 Resp: 5001
Ion Ratio Lower Upper
59 100
57 11.5 8.2 12.4



#16
Acetone
Concen: 18.786 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 43 Resp: 48569
Ion Ratio Lower Upper
43 100
58 28.0 28.0 42.0#

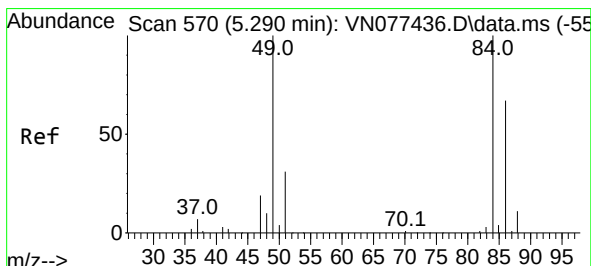
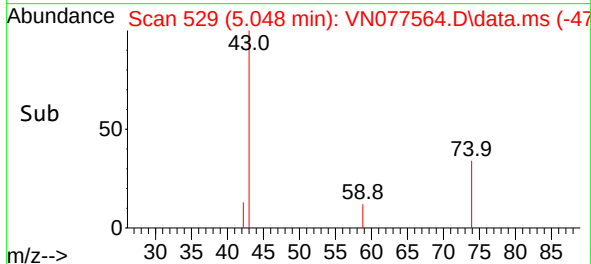
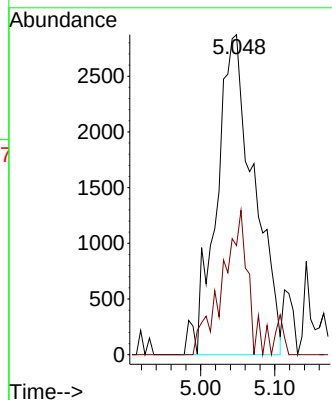
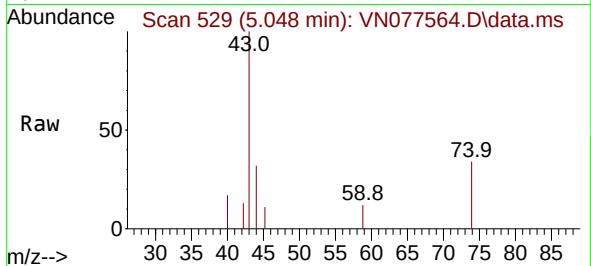




#18
Methyl Acetate
Concen: 1.016 ug/l
RT: 5.048 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

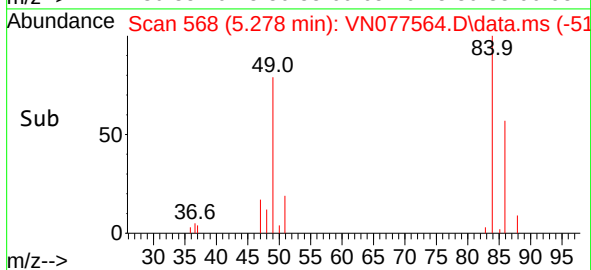
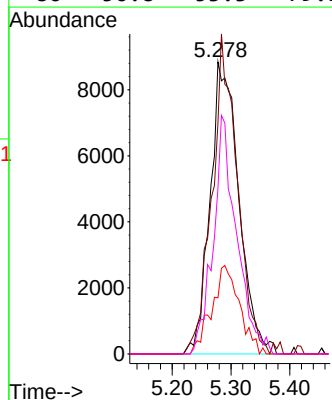
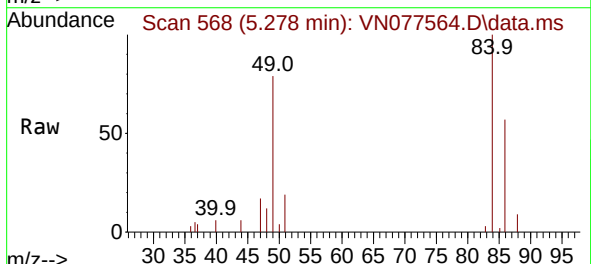
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

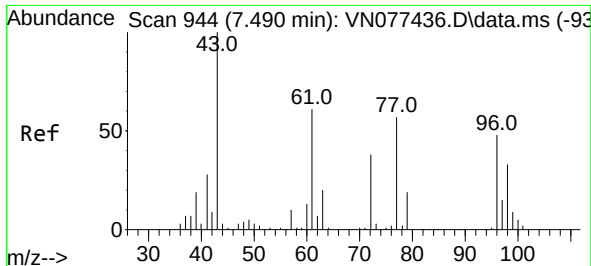
Tgt Ion: 43 Resp: 10143
Ion Ratio Lower Upper
43 100
74 31.3 26.2 39.4



#20
Methylene Chloride
Concen: 3.668 ug/l
RT: 5.278 min Scan# 568
Delta R.T. -0.012 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 84 Resp: 30074
Ion Ratio Lower Upper
84 100
49 79.1 79.7 119.5#
51 19.2 25.2 37.8#
86 56.8 53.3 79.9

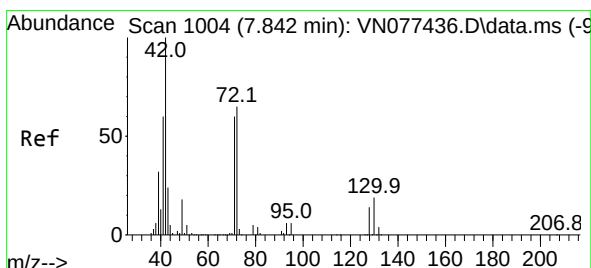
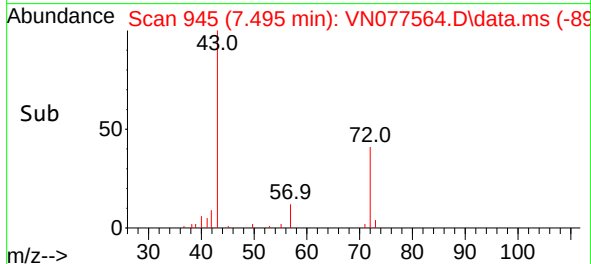
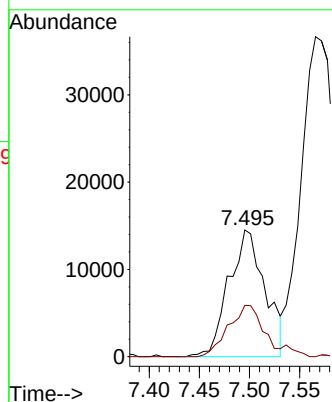
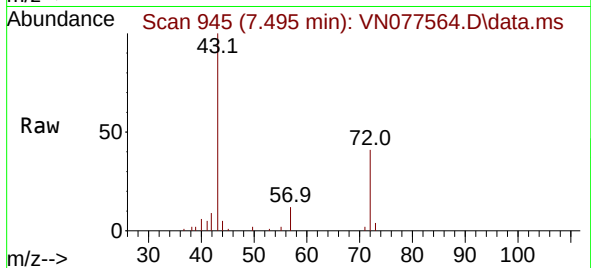




#25
2-Butanone
Concen: 9.919 ug/l
RT: 7.495 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

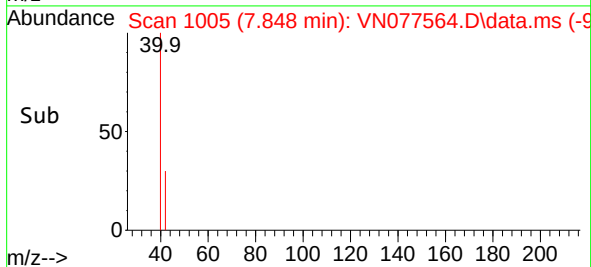
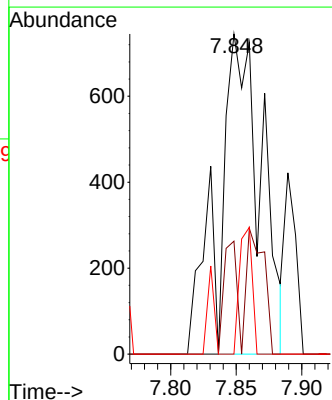
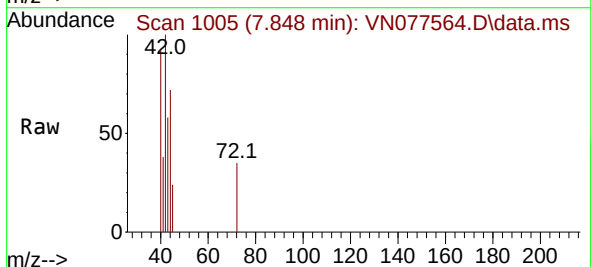
Instrument :
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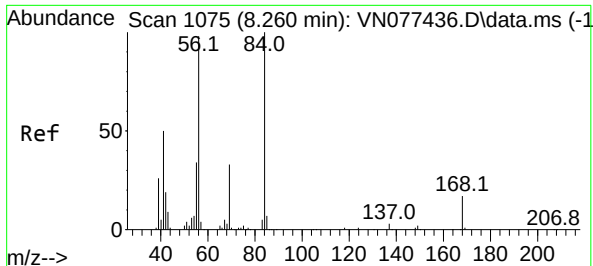
Tgt Ion: 43 Resp: 36374
Ion Ratio Lower Upper
43 100
72 40.6 30.2 45.2



#29
Tetrahydrofuran
Concen: 0.725 ug/l
RT: 7.848 min Scan# 1005
Delta R.T. 0.006 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 42 Resp: 1665
Ion Ratio Lower Upper
42 100
72 10.8 49.8 74.6#
71 4.3 47.4 71.2#

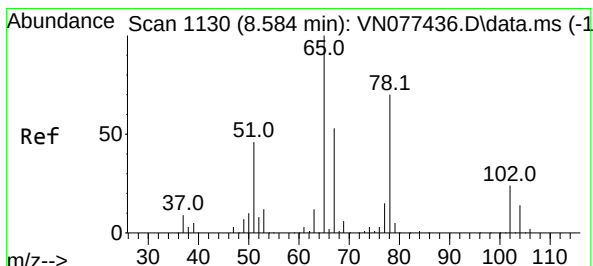
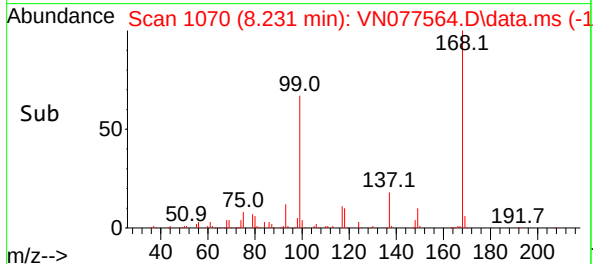
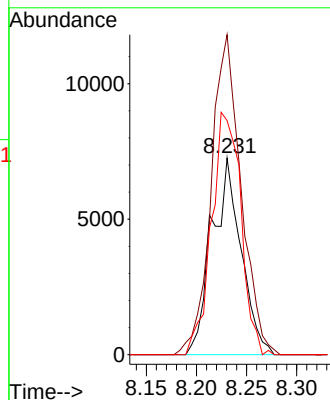
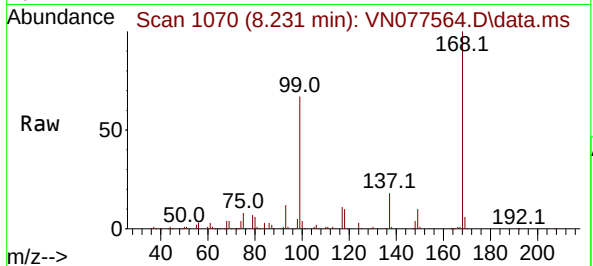




#31
Cyclohexane
Concen: 1.282 ug/l
RT: 8.231 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

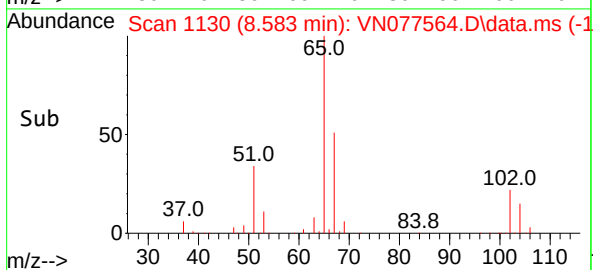
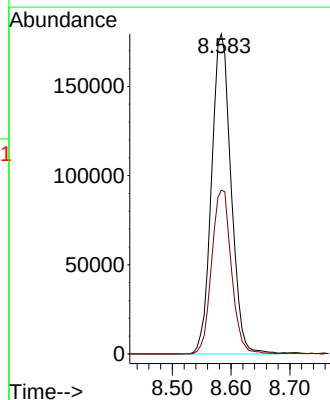
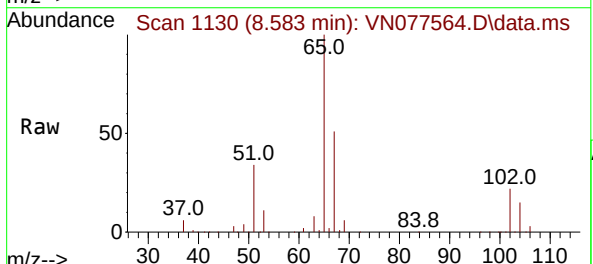
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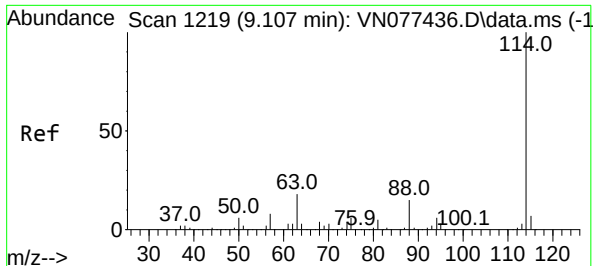
Tgt Ion: 56 Resp: 14760
Ion Ratio Lower Upper
56 100
69 162.7 26.8 40.2#
84 119.1 81.8 122.6



#33
1,2-Dichloroethane-d4
Concen: 50.895 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 65 Resp: 413610
Ion Ratio Lower Upper
65 100
67 51.8 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077564.D

Acq: 03 May 2023 15:44

Instrument :

MSVOA_N

ClientSampleId :

PB152533ZHE#09

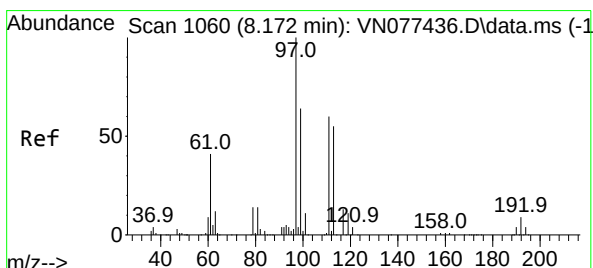
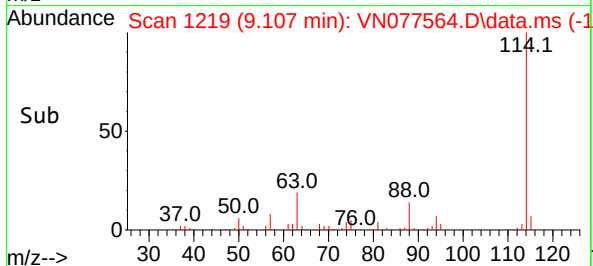
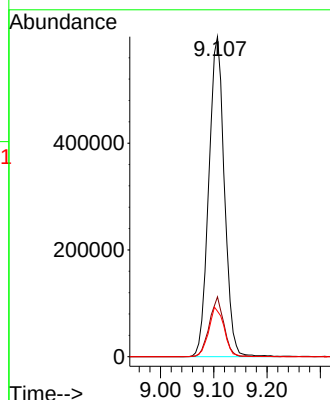
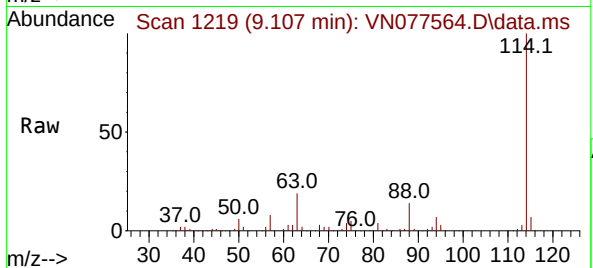
Tgt Ion:114 Resp: 1216620

Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.4

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.616 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN077564.D

Acq: 03 May 2023 15:44

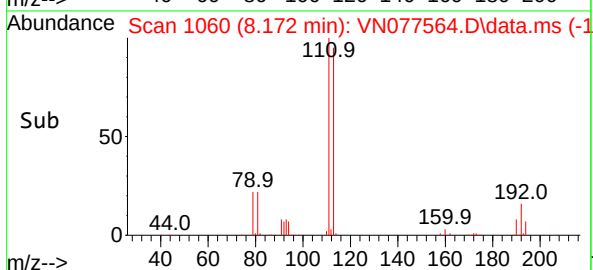
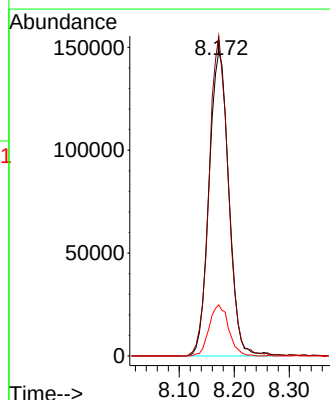
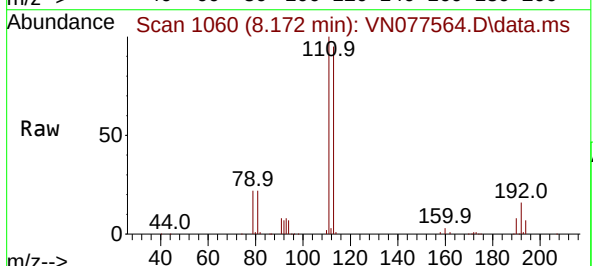
Tgt Ion:113 Resp: 370126

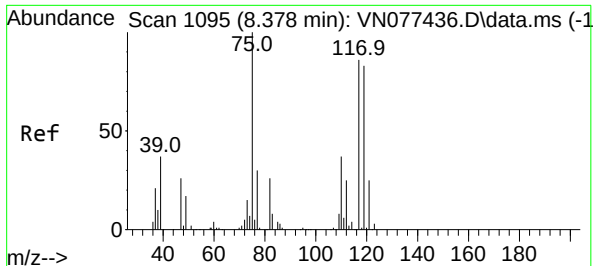
Ion Ratio Lower Upper

113 100

111 101.9 82.6 123.8

192 16.5 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.937 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.153 min

Lab File: VN077564.D

Acq: 03 May 2023 15:44

Instrument :

MSVOA_N

ClientSampleId :

PB152533ZHE#09

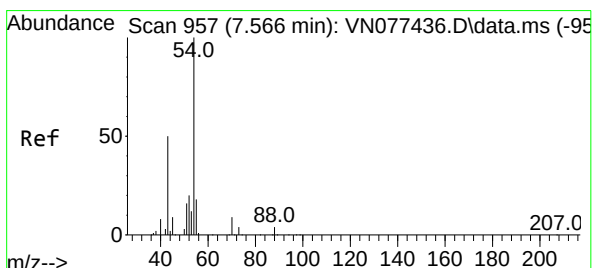
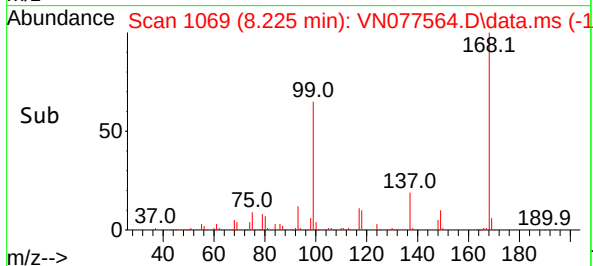
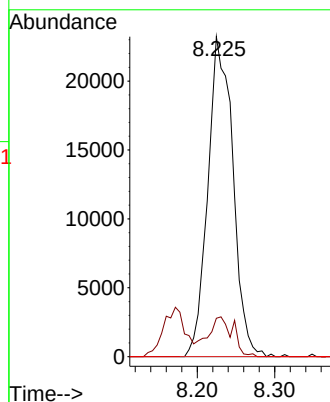
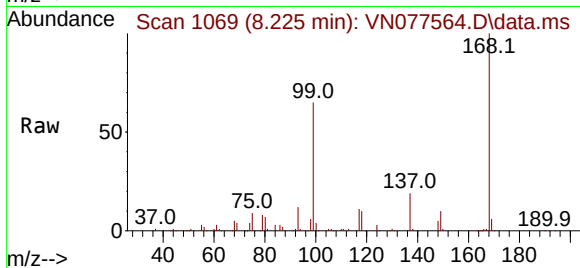
Tgt Ion: 75 Resp: 52154

Ion Ratio Lower Upper

75 100

110 12.1 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 11.597 ug/l

RT: 7.566 min Scan# 957

Delta R.T. -0.000 min

Lab File: VN077564.D

Acq: 03 May 2023 15:44

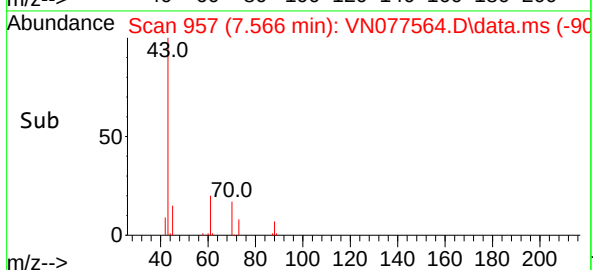
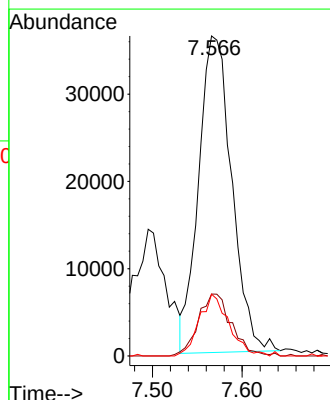
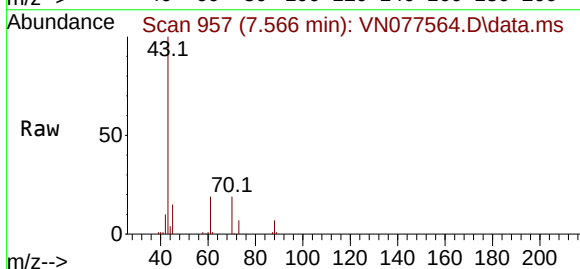
Tgt Ion: 43 Resp: 93099

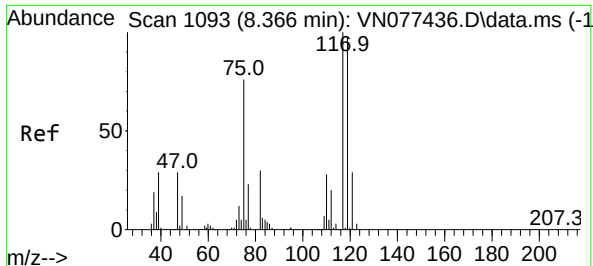
Ion Ratio Lower Upper

43 100

61 19.6 13.2 19.8

70 17.5 11.3 16.9#

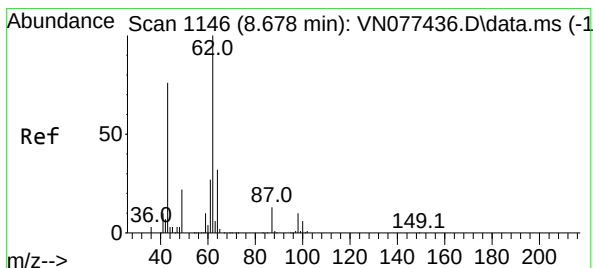
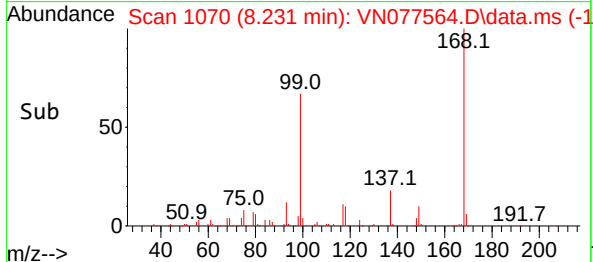
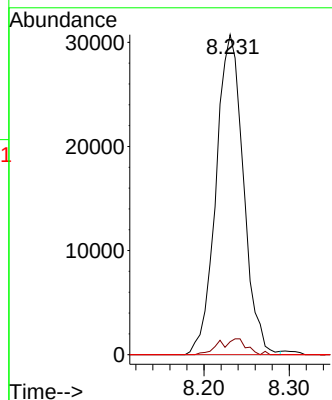
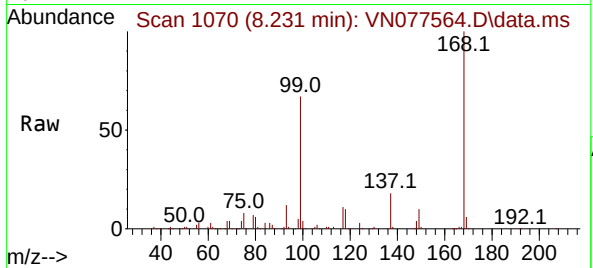




#38
Carbon Tetrachloride
Concen: 5.883 ug/l
RT: 8.231 min Scan# 1093
Delta R.T. -0.135 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

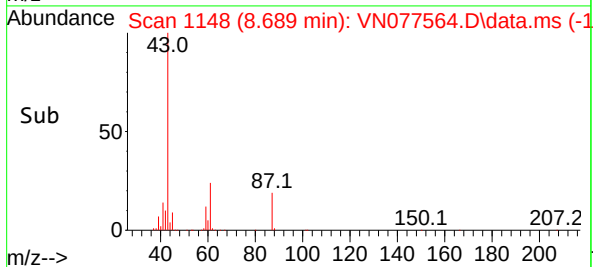
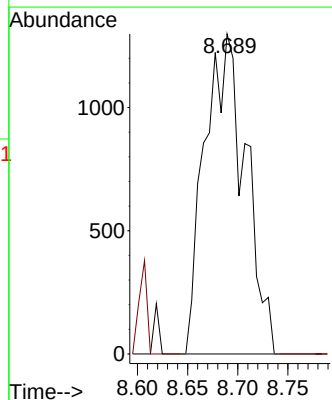
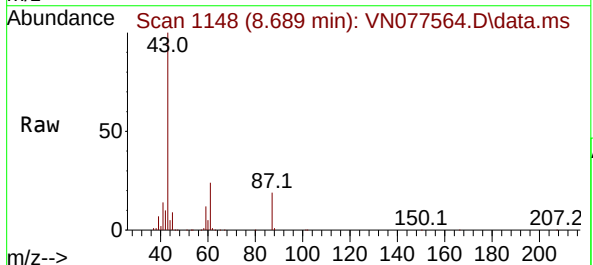
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

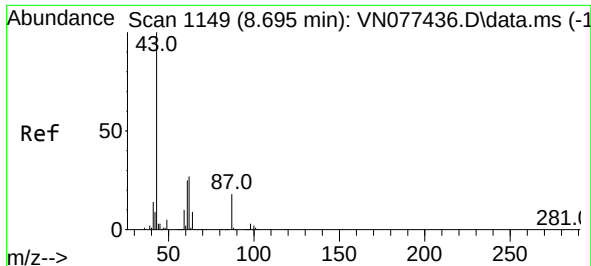
Tgt Ion: 117 Resp: 68571
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.334 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 62 Resp: 3690
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

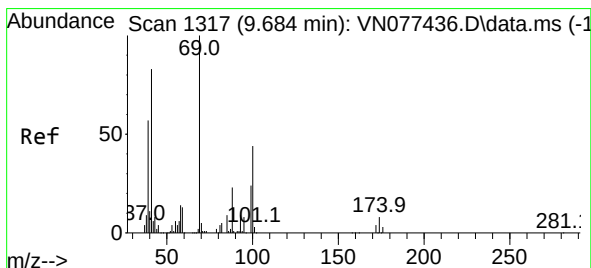
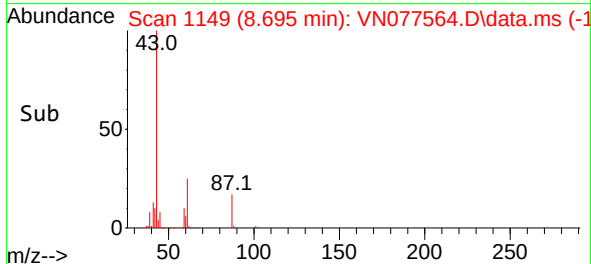
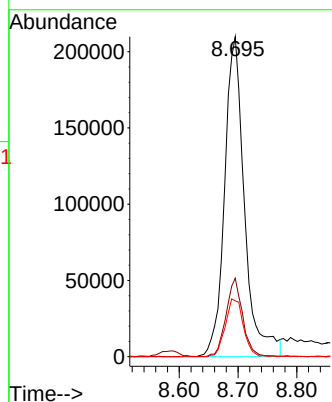
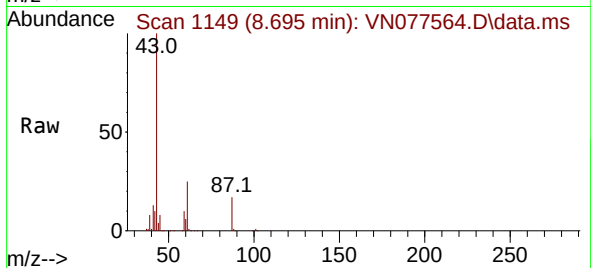




#43
Isopropyl Acetate
Concen: 35.597 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. -0.000 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

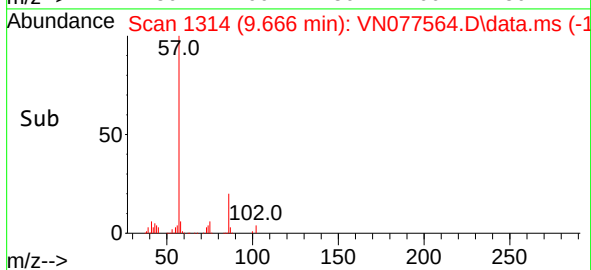
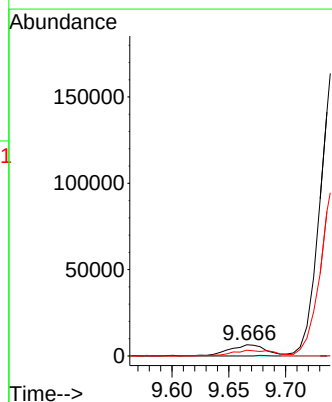
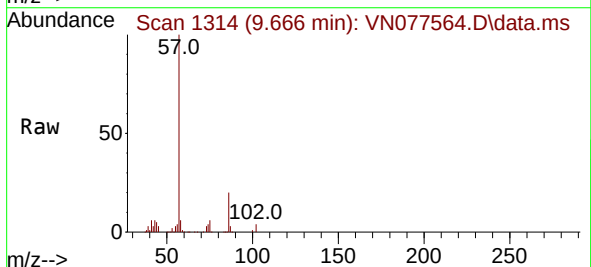
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

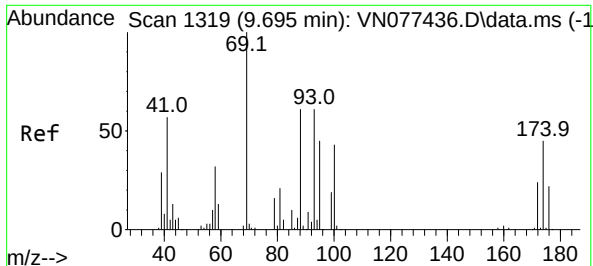
Tgt Ion: 43 Resp: 494367
Ion Ratio Lower Upper
43 100
61 20.5 24.7 37.1#
87 16.3 14.6 21.8



#48
Methyl methacrylate
Concen: 2.307 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.018 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 41 Resp: 14581
Ion Ratio Lower Upper
41 100
69 1.3 90.4 135.6#
39 57.3 54.6 81.8





#49

1,4-Dioxane

Concen: 2.844 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN077564.D

Acq: 03 May 2023 15:44

Instrument :

MSVOA_N

ClientSampleId :

PB152533ZHE#09

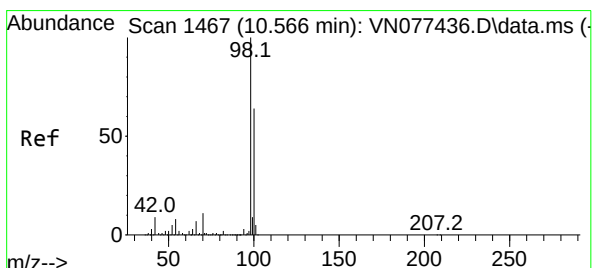
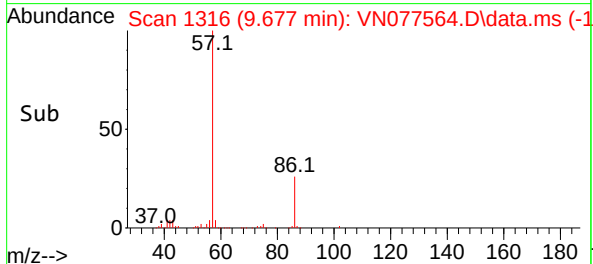
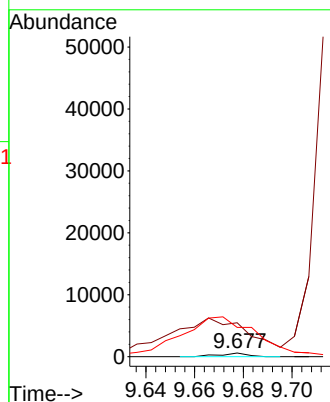
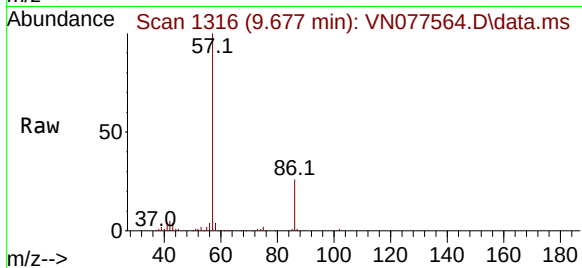
Tgt Ion: 88 Resp: 451

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 3174.1 47.0 70.4#



#50

Toluene-d8

Concen: 53.403 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. 0.006 min

Lab File: VN077564.D

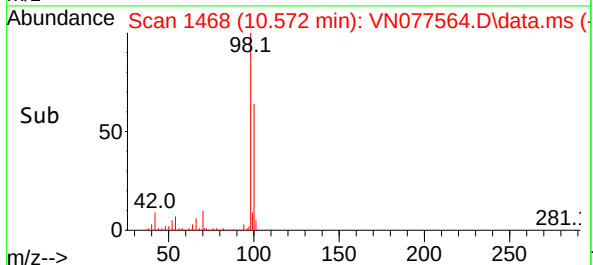
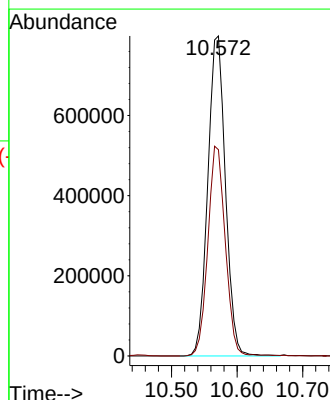
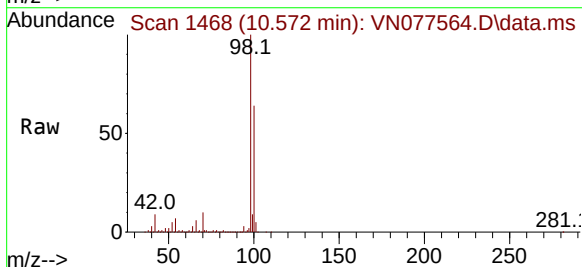
Acq: 03 May 2023 15:44

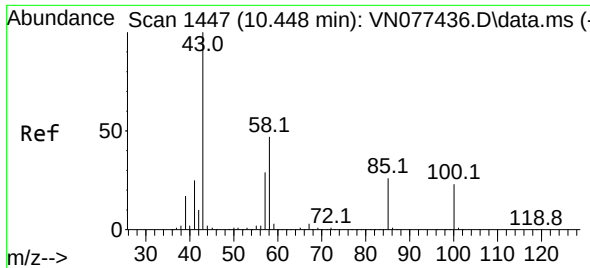
Tgt Ion: 98 Resp: 1496642

Ion Ratio Lower Upper

98 100

100 64.8 52.0 78.0

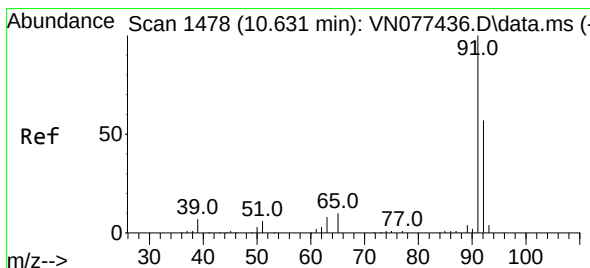
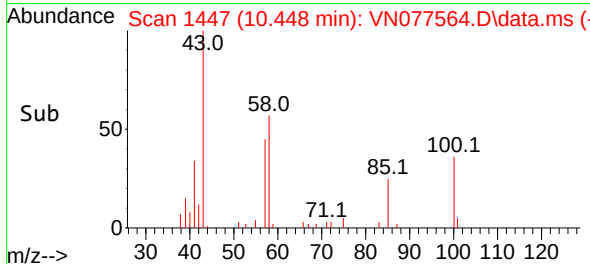
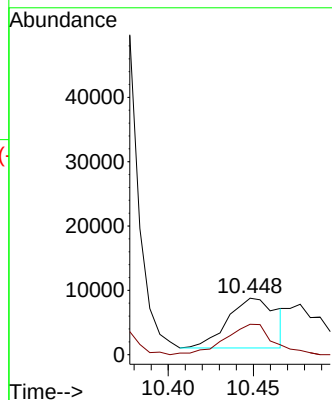
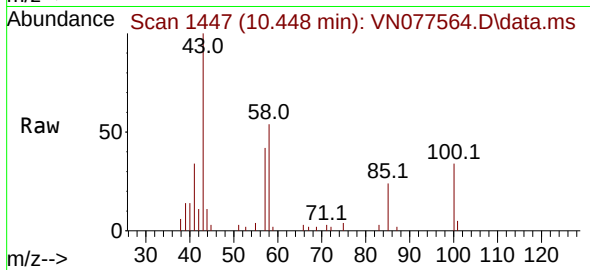




#51
4-Methyl-2-Pentanone
Concen: 1.892 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

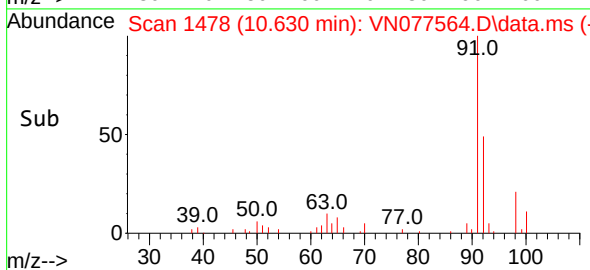
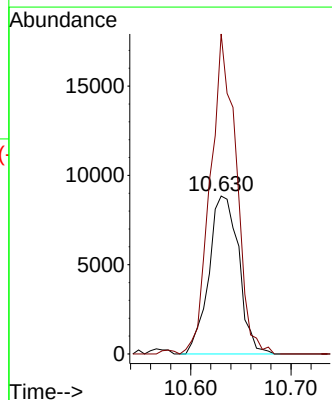
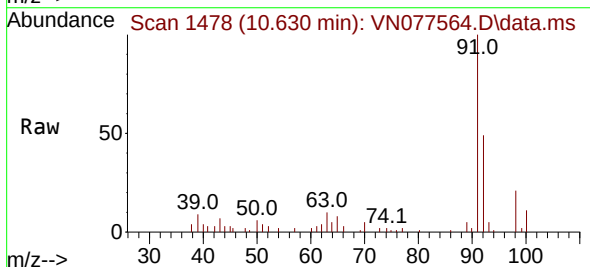
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

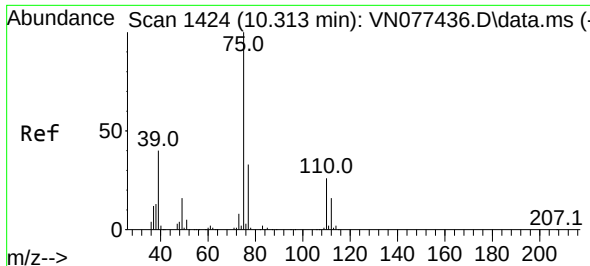
Tgt Ion: 43 Resp: 15409
Ion Ratio Lower Upper
43 100
58 59.6 36.6 54.8#



#52
Toluene
Concen: 0.867 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 92 Resp: 18286
Ion Ratio Lower Upper
92 100
91 175.2 137.4 206.0

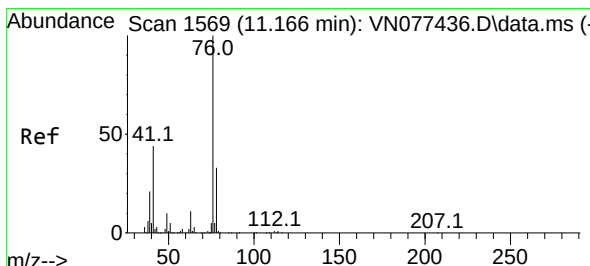
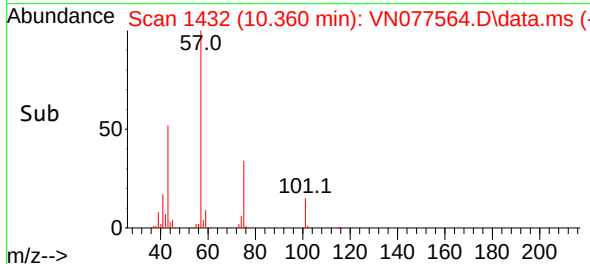
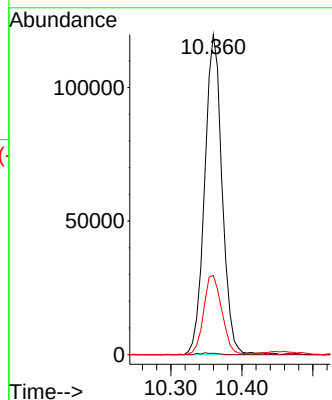
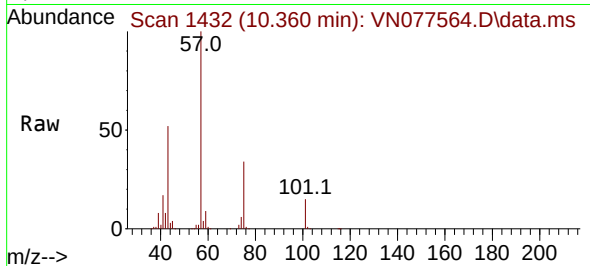




#54
cis-1,3-Dichloropropene
Concen: 15.694 ug/l
RT: 10.360 min Scan# 14
Delta R.T. 0.047 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

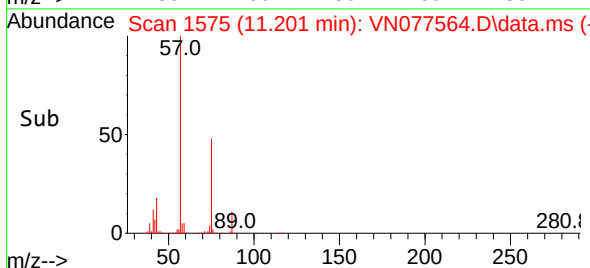
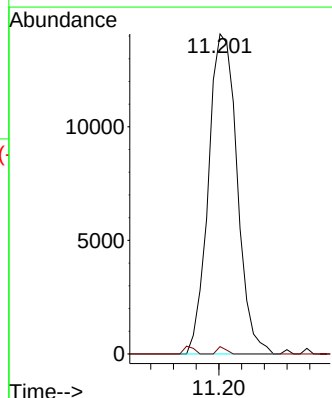
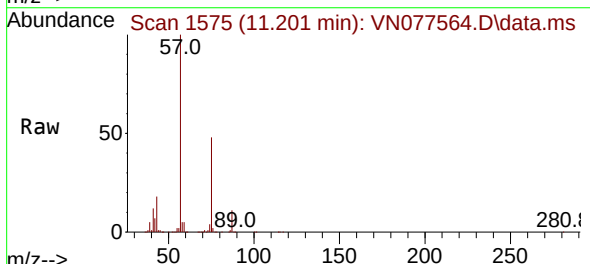
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

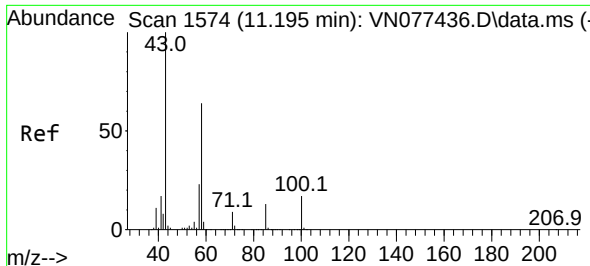
Tgt Ion: 75 Resp: 204669
Ion Ratio Lower Upper
75 100
77 0.5 26.1 39.1#
39 24.5 31.6 47.4#



#57
1,3-Dichloropropane
Concen: 1.832 ug/l
RT: 11.201 min Scan# 1575
Delta R.T. 0.035 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 76 Resp: 24739
Ion Ratio Lower Upper
76 100
78 0.7 26.1 39.1#

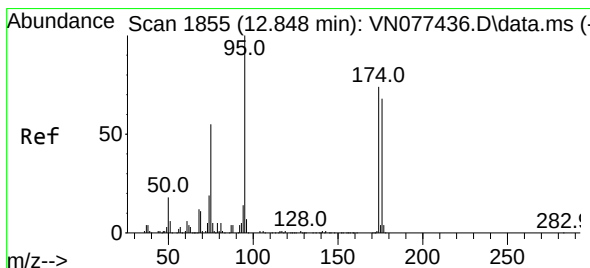
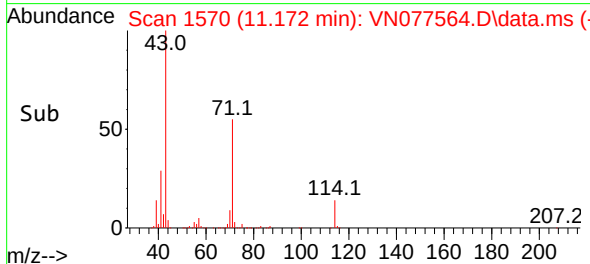
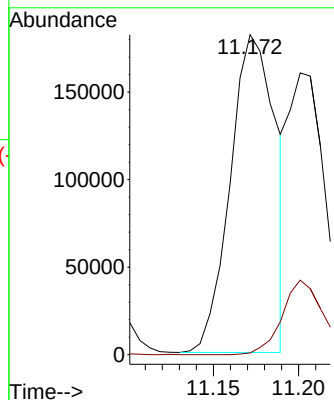
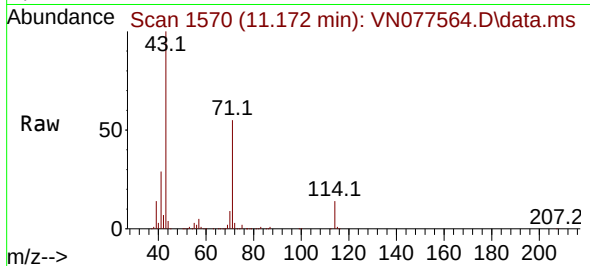




#59
2-Hexanone
Concen: 56.669 ug/l
RT: 11.172 min Scan# 11170
Delta R.T. -0.024 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

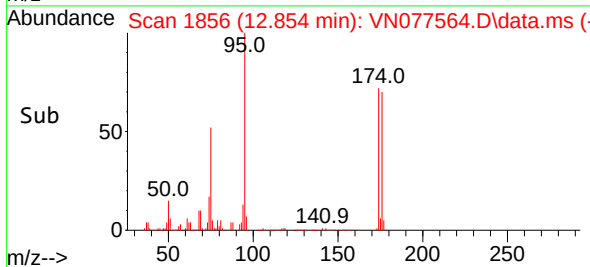
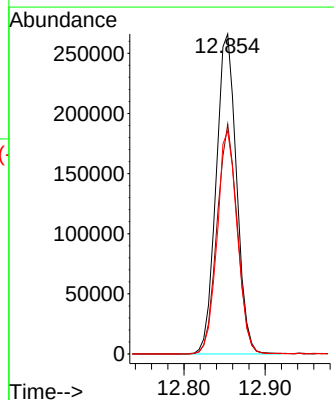
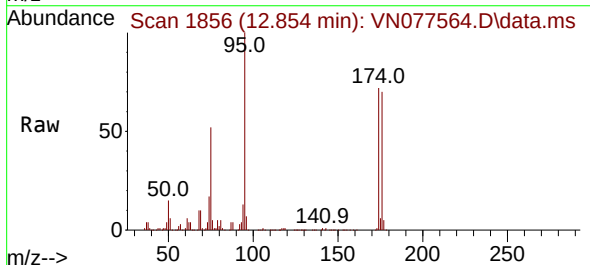
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

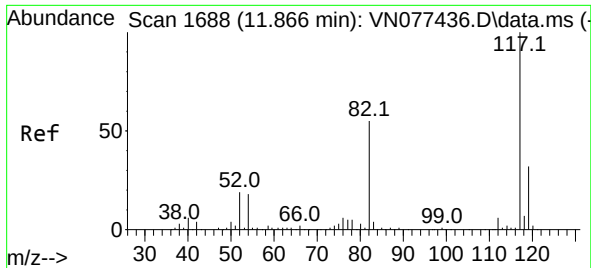
Tgt Ion: 43 Resp: 335547
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 50.706 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion: 95 Resp: 464931
Ion Ratio Lower Upper
95 100
174 71.2 0.0 143.8
176 69.0 0.0 135.8

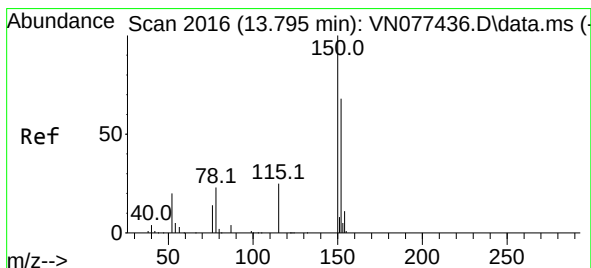
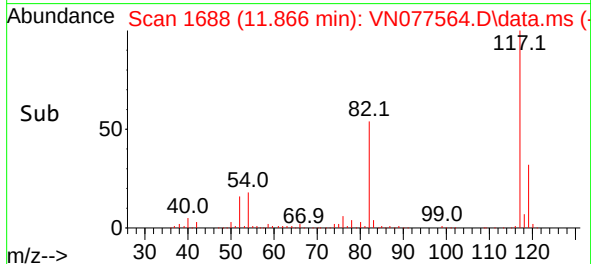
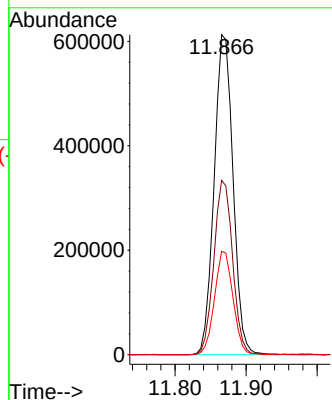
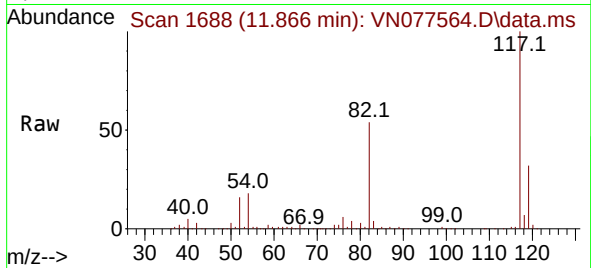




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

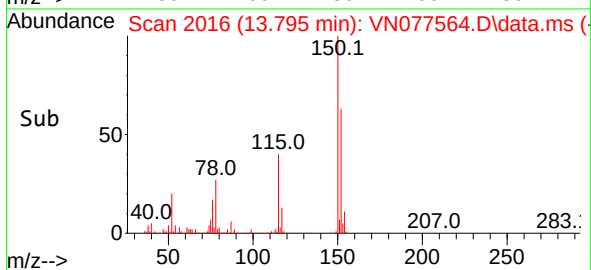
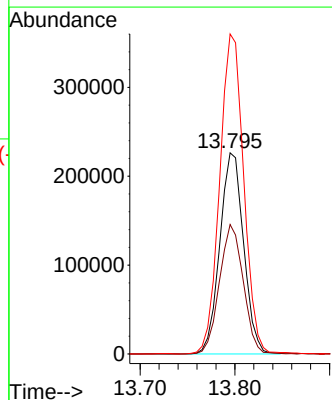
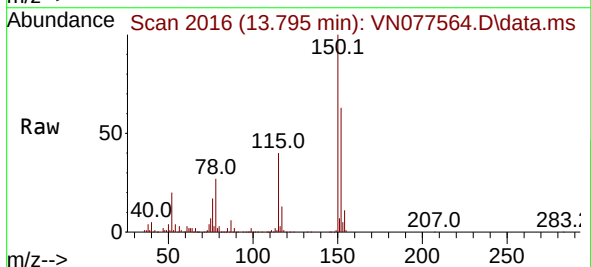
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

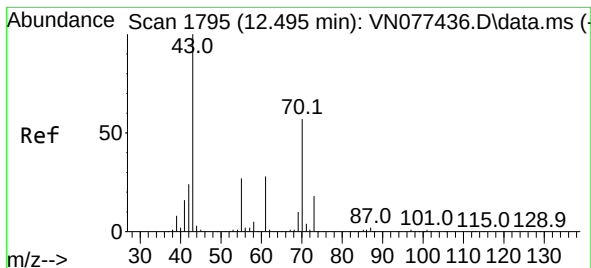
Tgt Ion:117 Resp: 1130278
Ion Ratio Lower Upper
117 100
82 54.5 44.0 66.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion:152 Resp: 395541
Ion Ratio Lower Upper
152 100
115 64.2 32.3 96.8
150 160.7 0.0 355.8

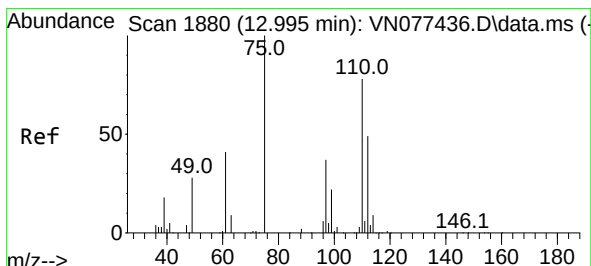
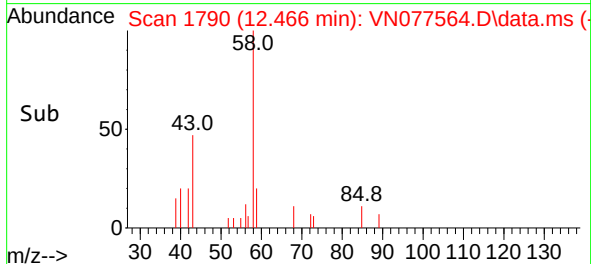
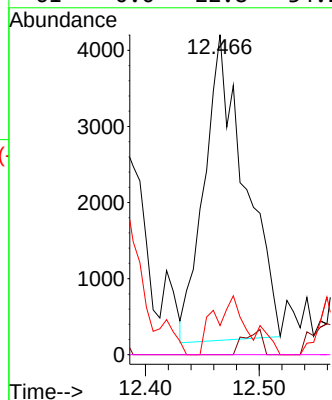
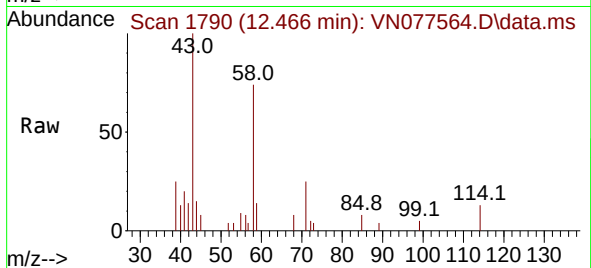




#74
N-amy1 acetate
Concen: 0.916 ug/l
RT: 12.466 min Scan# 1790
Delta R.T. -0.030 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

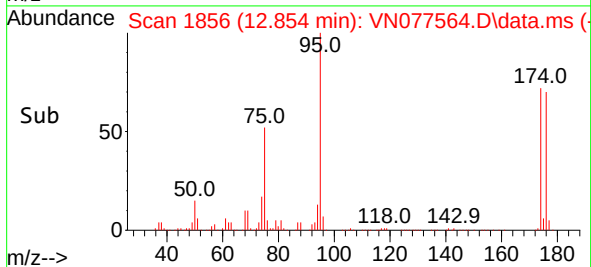
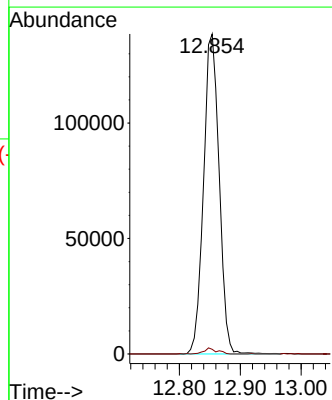
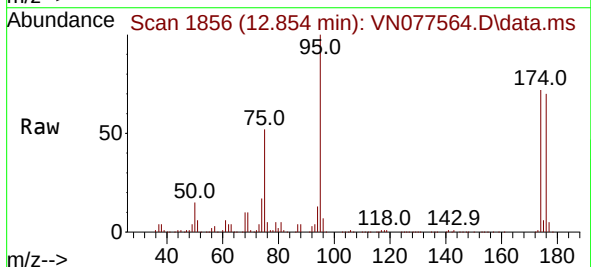
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

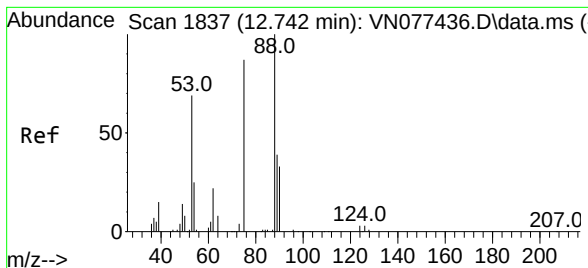
Tgt Ion:	43	Resp:	9955
Ion	Ratio	Lower	Upper
43	100		
70	0.0	43.4	65.2#
55	13.6	21.4	32.0#
61	0.0	22.8	34.2#



#76
1,2,3-Trichloropropane
Concen: 26.765 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Tgt Ion:	75	Resp:	246185
Ion	Ratio	Lower	Upper
75	100		
77	1.5	84.5	253.5#

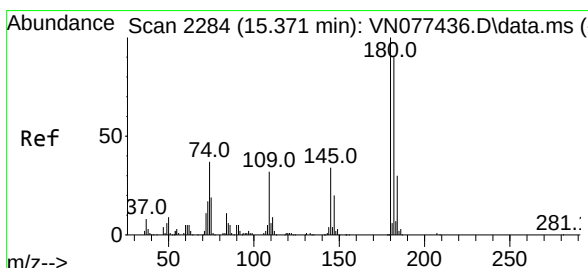
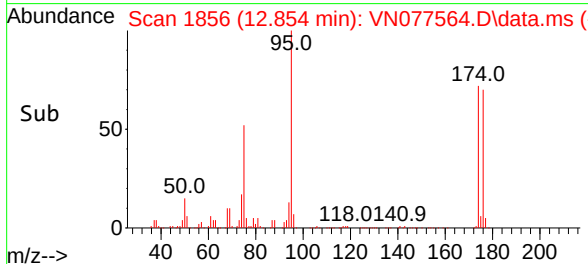
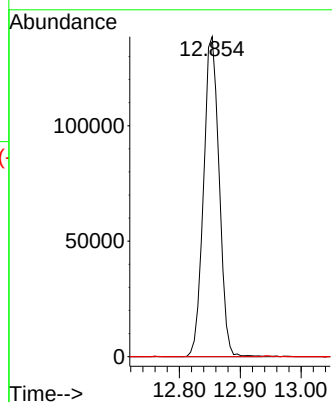
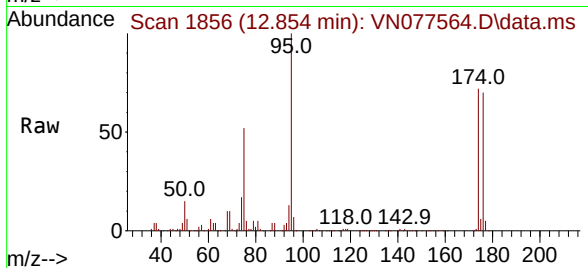




#81
trans-1,4-Dichloro-2-butene
Concen: 75.617 ug/l
RT: 12.854 min Scan# 1837
Delta R.T. 0.112 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

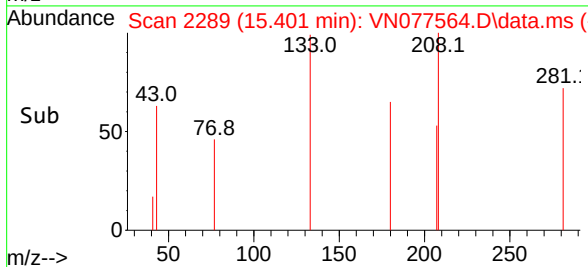
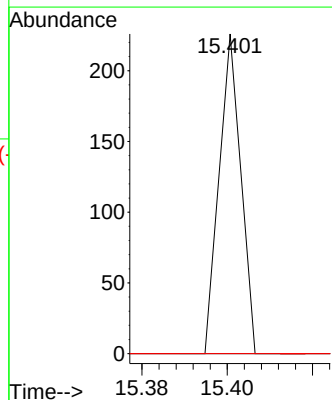
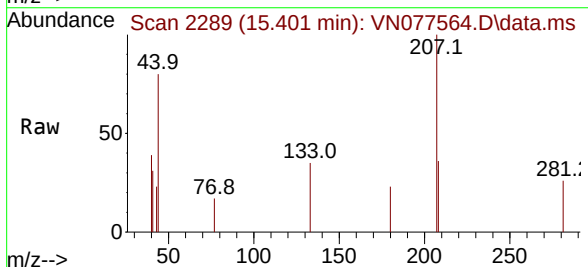
Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09

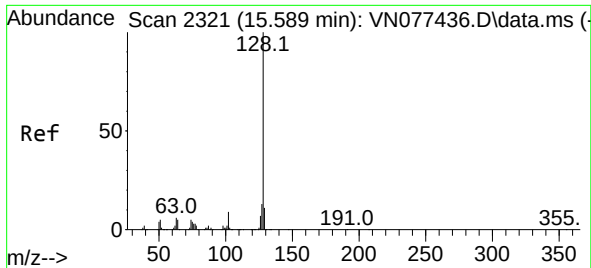
Tgt Ion: 75 Resp: 246185
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#93
1,2,4-Trichlorobenzene
Concen: 0.825 ug/l
RT: 15.401 min Scan# 2289
Delta R.T. 0.030 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

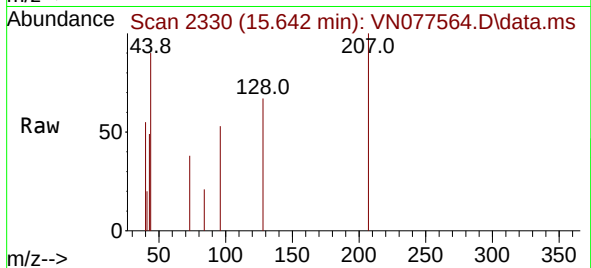
Tgt Ion:180 Resp: 80
Ion Ratio Lower Upper
180 100
182 0.0 46.1 138.2#
145 0.0 16.6 49.8#





#95
Naphthalene
Concen: 1.215 ug/l
RT: 15.642 min Scan# 21
Delta R.T. 0.053 min
Lab File: VN077564.D
Acq: 03 May 2023 15:44

Instrument :
MSVOA_N
ClientSampleId :
PB152533ZHE#09



Tgt Ion:128 Resp: 787
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 9.8 8.7 13.1

