

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022625\
 Data File : VN085869.D
 Acq On : 26 Feb 2025 14:20
 Operator : JC\MD
 Sample : Q1421-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-CLAY-CF01-01

Quant Time: Feb 26 23:00:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	266570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	497524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	429240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167346	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	182347	52.763	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.520%	
35) Dibromofluoromethane	8.165	113	160657	49.349	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.700%	
50) Toluene-d8	10.565	98	545079	46.019	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.040%	
62) 4-Bromofluorobenzene	12.847	95	179218	45.923	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 91.840%	

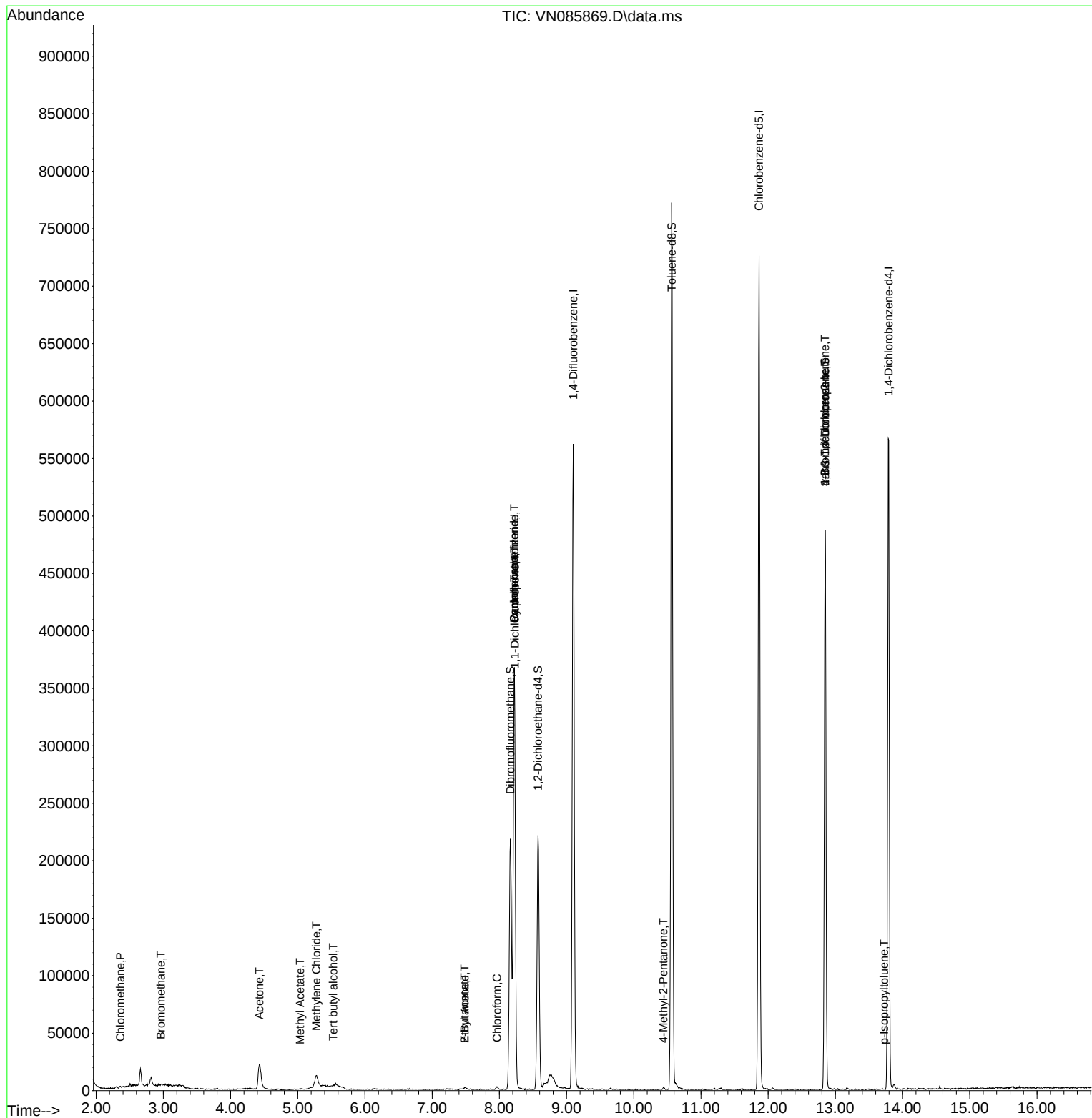
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	855	0.235	ug/l #	83
5) Bromomethane	2.965	94	860	0.349	ug/l	85
11) Tert butyl alcohol	5.530	59	198	0.466	ug/l #	72
16) Acetone	4.430	43	42483	38.849	ug/l	93
18) Methyl Acetate	5.036	43	934	0.248	ug/l #	47
20) Methylene Chloride	5.277	84	8227	2.339	ug/l	91
25) 2-Butanone	7.483	43	3490	2.169	ug/l #	85
30) Chloroform	7.965	83	2603	0.422	ug/l #	79
31) Cyclohexane	8.224	56	5316	1.077	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	21539	4.675	ug/l #	50
37) Ethyl Acetate	7.483	43	3490	0.920	ug/l #	66
38) Carbon Tetrachloride	8.224	117	27954	5.106	ug/l #	18
43) Isopropyl Acetate	8.677	43	3259	Below Cal	#	53
51) 4-Methyl-2-Pentanone	10.441	43	1582	0.433	ug/l #	66
76) 1,2,3-Trichloropropane	12.847	75	86204	23.190	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	86204	67.662	ug/l #	13
86) p-Isopropyltoluene	13.723	119	58	0.631	ug/l #	50

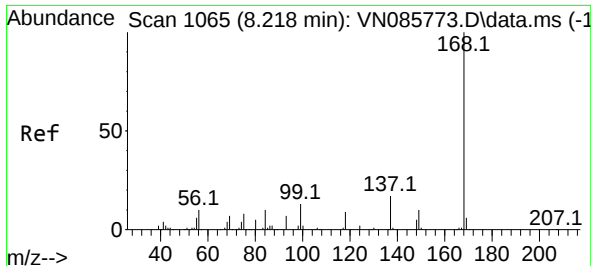
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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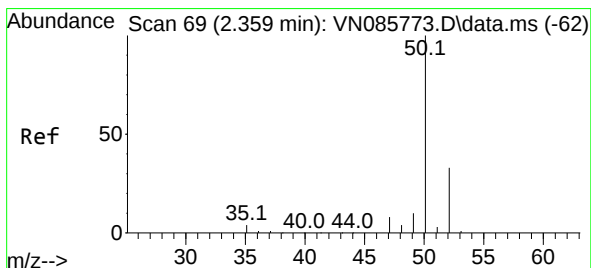
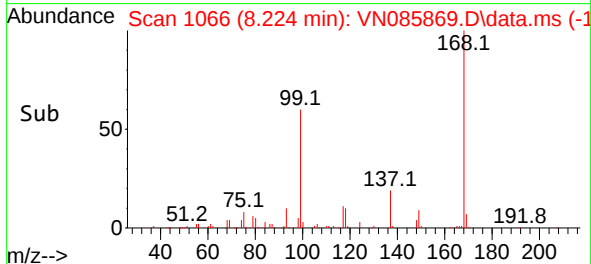
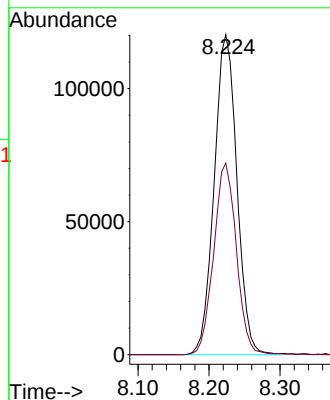
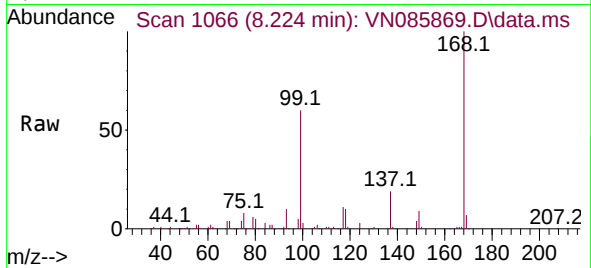




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

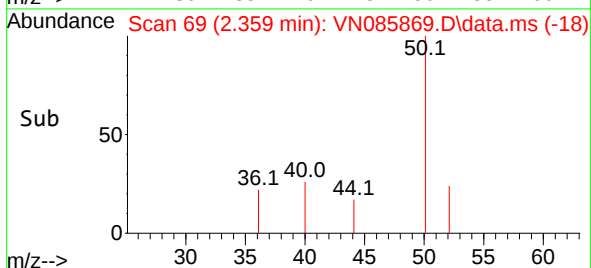
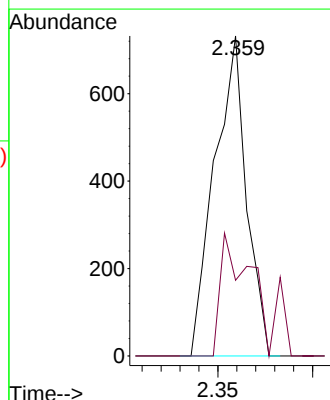
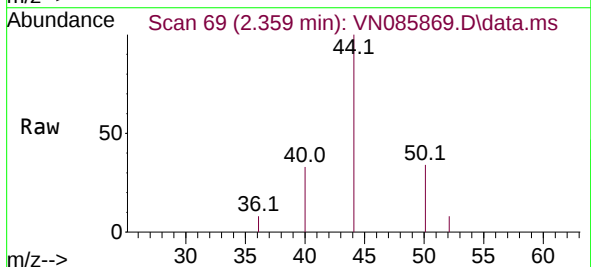
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-01

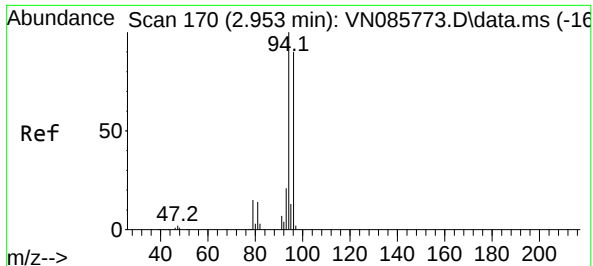
Tgt Ion:168 Resp: 266570
Ion Ratio Lower Upper
168 100
99 59.8 47.9 71.9



#3
Chloromethane
Concen: 0.235 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

Tgt Ion: 50 Resp: 855
Ion Ratio Lower Upper
50 100
52 23.6 26.7 40.1#

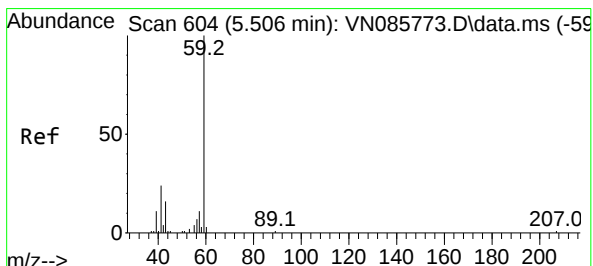
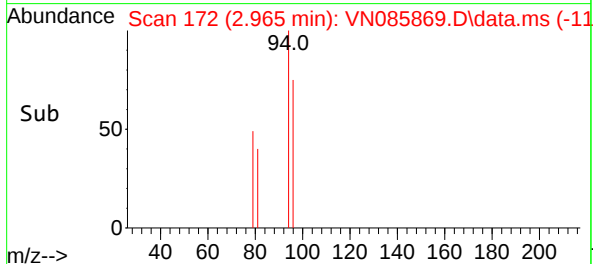
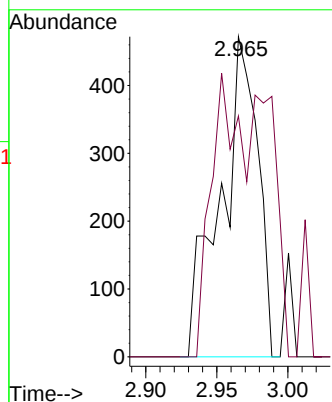
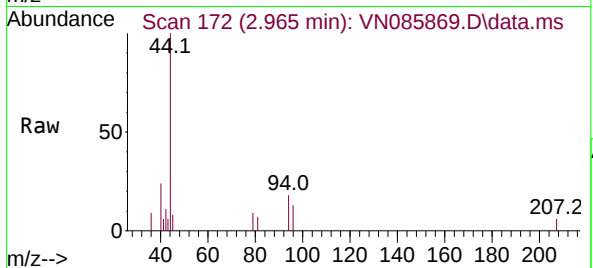




#5
Bromomethane
Concen: 0.349 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

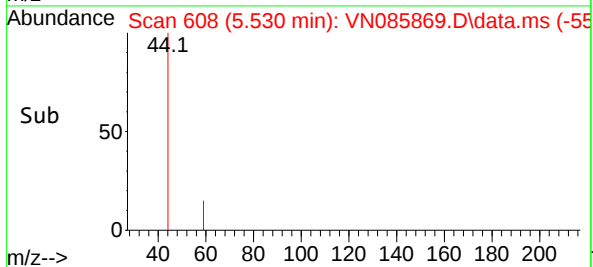
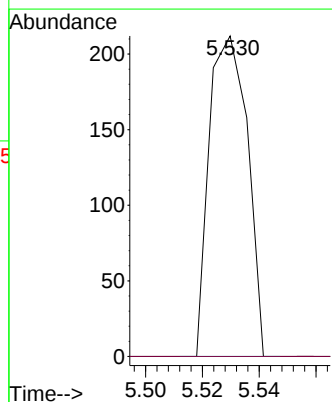
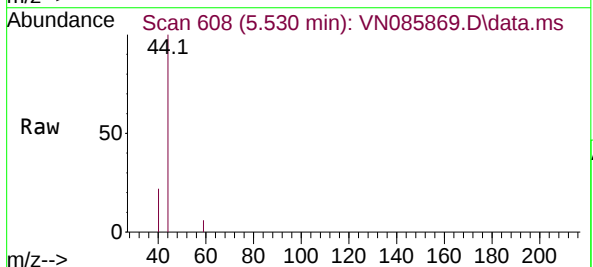
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-01

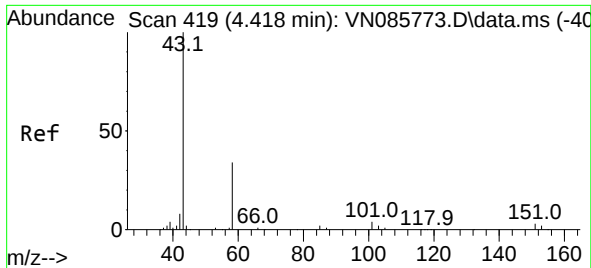
Tgt Ion: 94 Resp: 860
Ion Ratio Lower Upper
94 100
96 75.2 71.7 107.5



#11
Tert butyl alcohol
Concen: 0.466 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.023 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

Tgt Ion: 59 Resp: 198
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

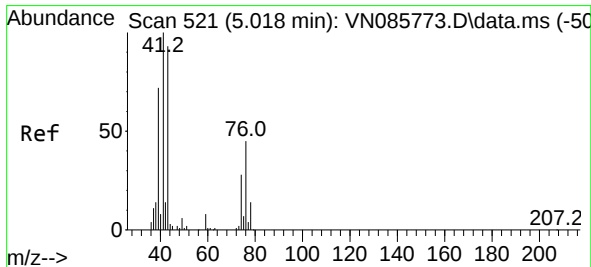
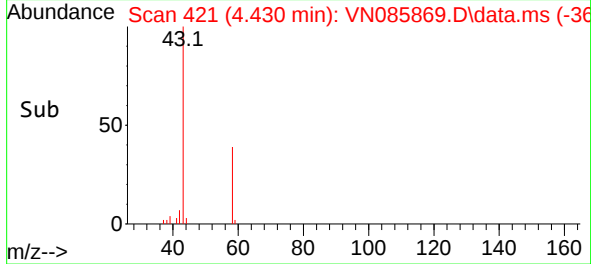
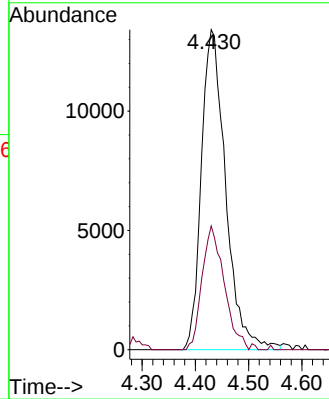
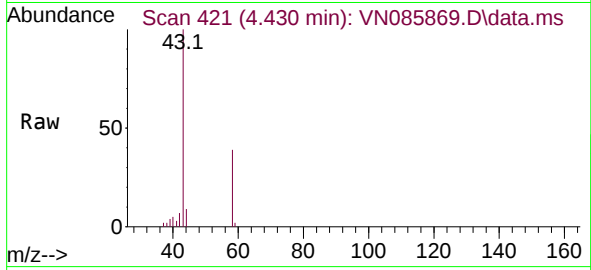




#16
Acetone
Concen: 38.849 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

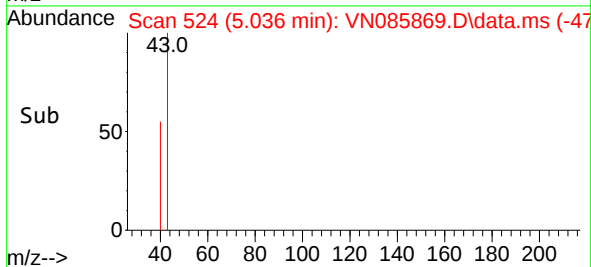
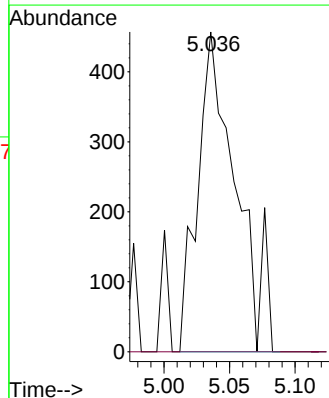
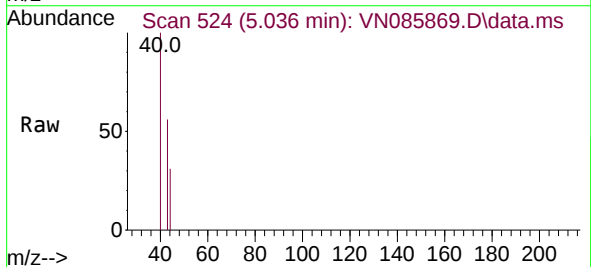
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-01

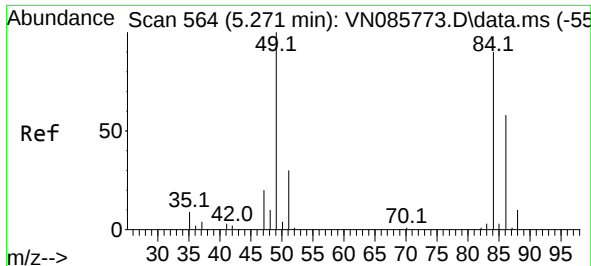
Tgt Ion: 43 Resp: 42483
Ion Ratio Lower Upper
43 100
58 38.6 27.5 41.3



#18
Methyl Acetate
Concen: 0.248 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#

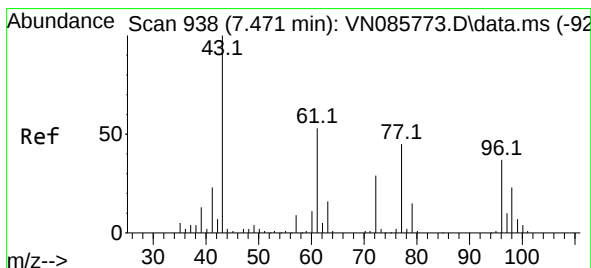
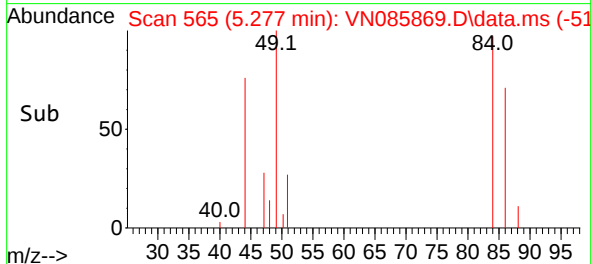
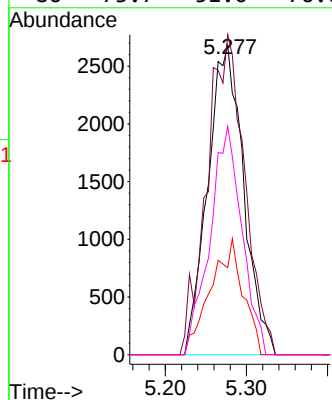
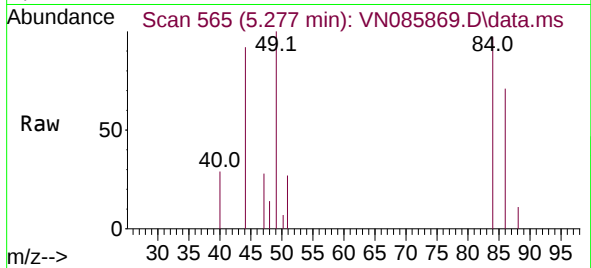




#20
Methylene Chloride
Concen: 2.339 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

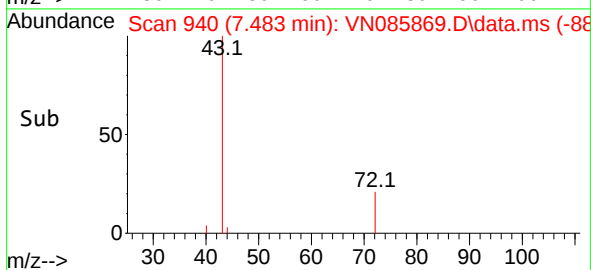
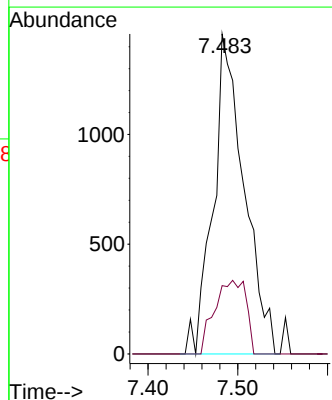
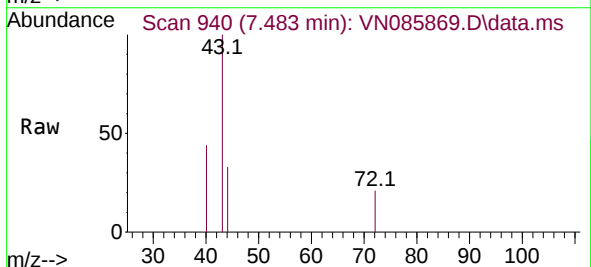
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-01

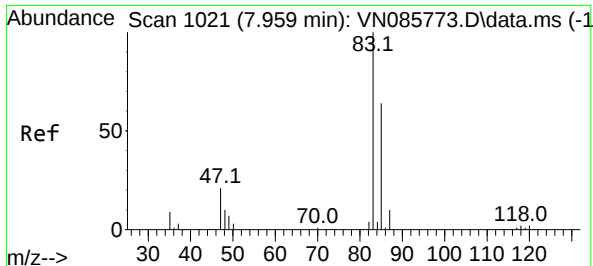
Tgt Ion: 84	Resp: 8227
Ion Ratio	Lower Upper
84 100	
49 103.4	88.4 132.6
51 28.1	26.6 40.0
86 73.7	51.0 76.6



#25
2-Butanone
Concen: 2.169 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

Tgt Ion: 43	Resp: 3490		
Ion Ratio	Lower	Upper	
43 100			
72 21.3	23.6	35.4#	





#30

Chloroform

Concen: 0.422 ug/l

RT: 7.965 min Scan# 1066

Delta R.T. 0.006 min

Lab File: VN085869.D

Acq: 26 Feb 2025 14:20

Instrument :

MSVOA_N

ClientSampleId :

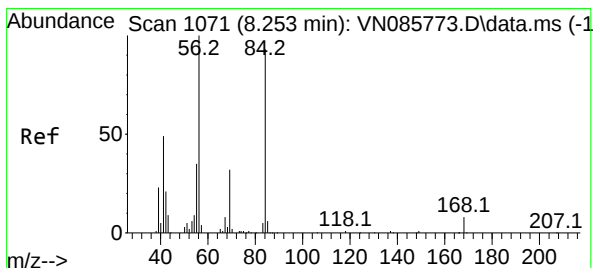
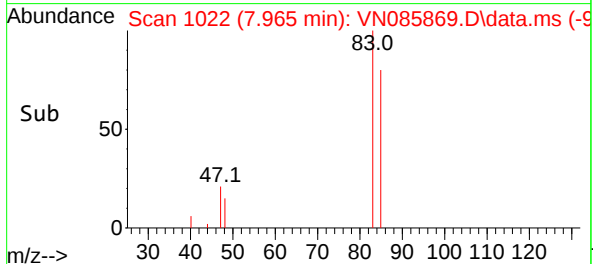
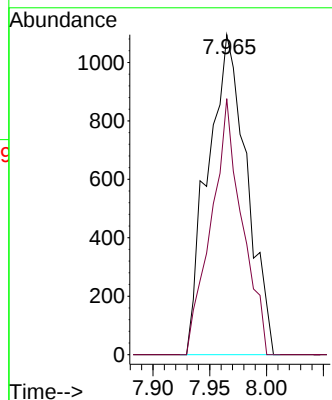
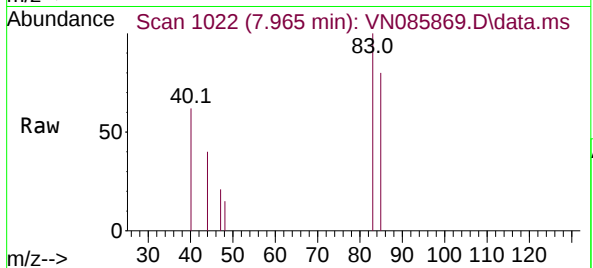
P001-CLAY-CF01-01

Tgt Ion: 83 Resp: 2603

Ion Ratio Lower Upper

83 100

85 80.0 50.9 76.3#



#31

Cyclohexane

Concen: 1.077 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085869.D

Acq: 26 Feb 2025 14:20

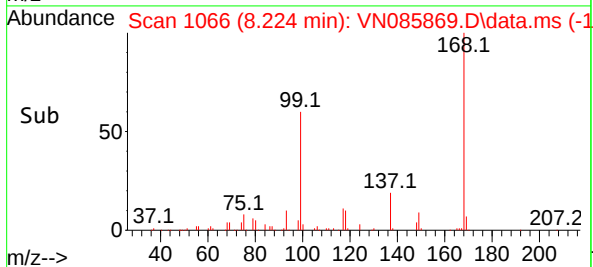
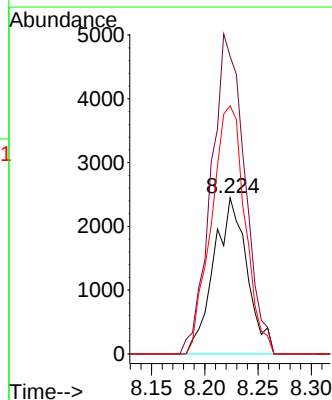
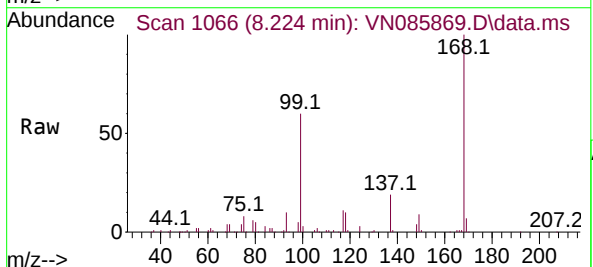
Tgt Ion: 56 Resp: 5316

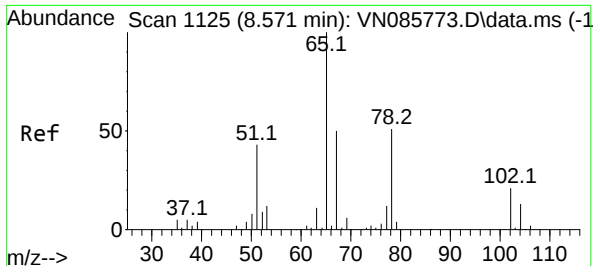
Ion Ratio Lower Upper

56 100

69 190.5 25.8 38.6#

84 158.9 74.5 111.7#

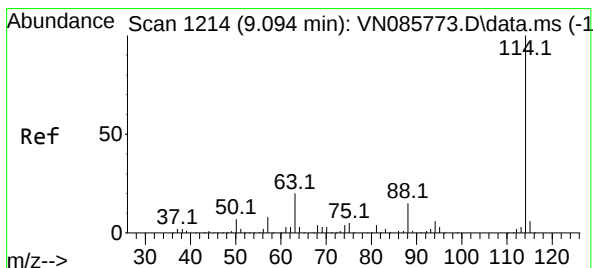
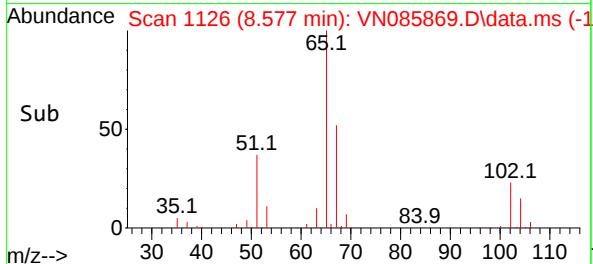
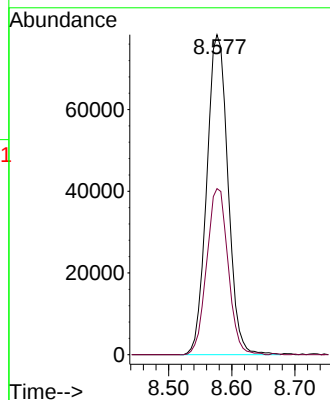
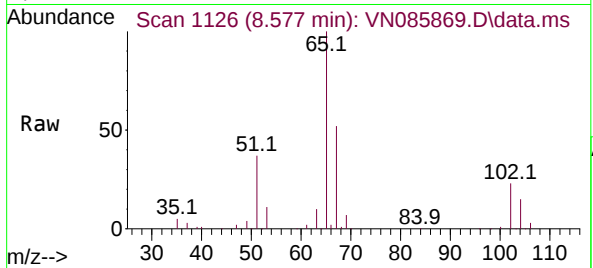




#33
 1,2-Dichloroethane-d4
 Concen: 52.763 ug/l
 RT: 8.577 min Scan# 1125
 Delta R.T. 0.006 min
 Lab File: VN085869.D
 Acq: 26 Feb 2025 14:20

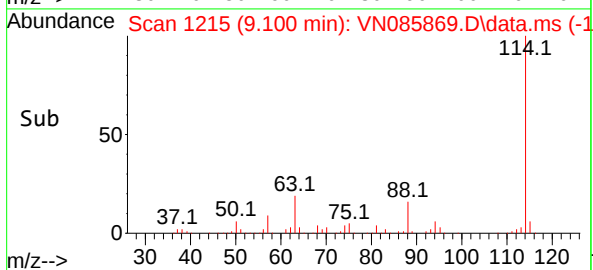
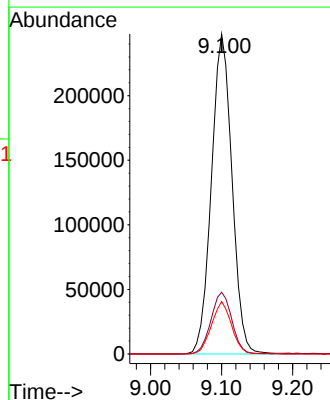
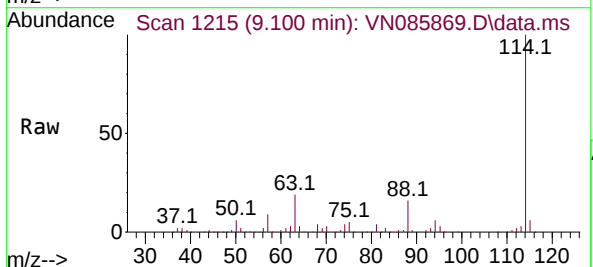
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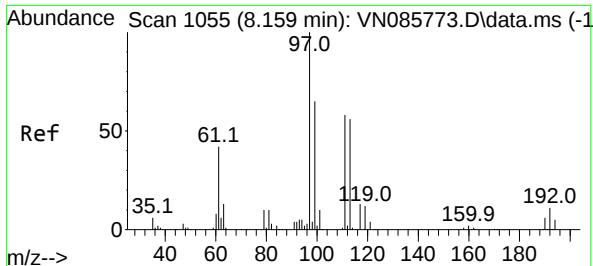
Tgt Ion: 65 Resp: 182347
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.006 min
 Lab File: VN085869.D
 Acq: 26 Feb 2025 14:20

Tgt Ion: 114 Resp: 497524
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 39.2
 88 16.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.349 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085869.D

Acq: 26 Feb 2025 14:20

Instrument :

MSVOA_N

ClientSampleId :

P001-CLAY-CF01-01

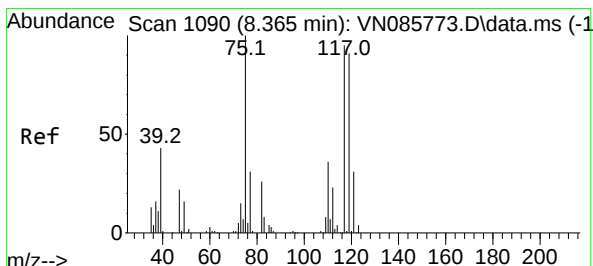
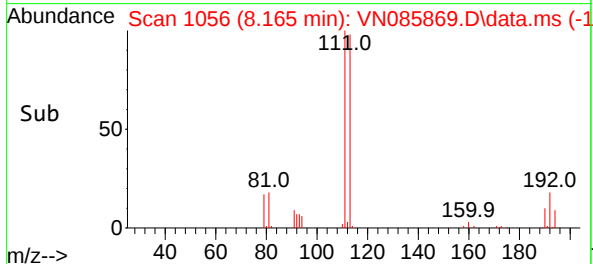
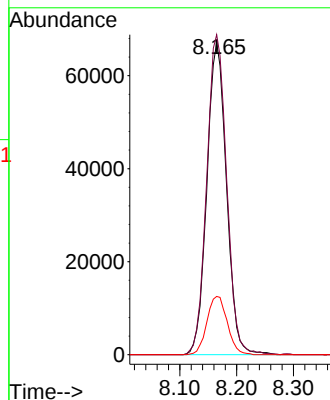
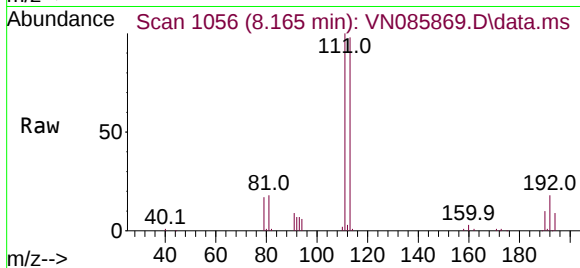
Tgt Ion:113 Resp: 160657

Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.4

192 19.4 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.675 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN085869.D

Acq: 26 Feb 2025 14:20

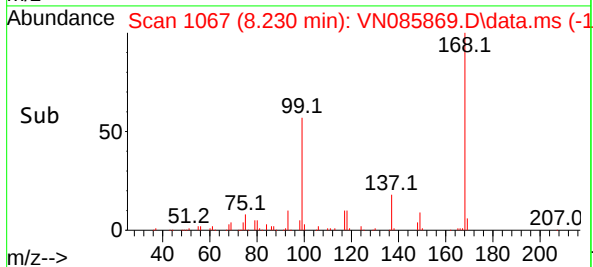
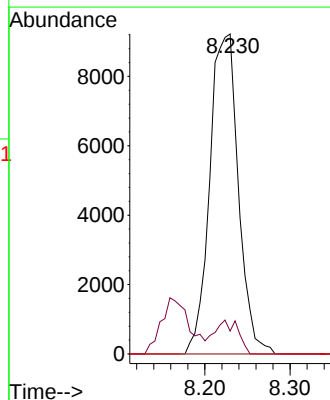
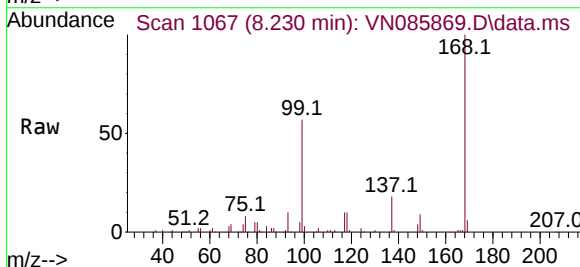
Tgt Ion: 75 Resp: 21539

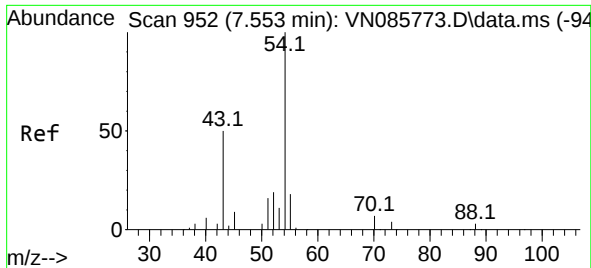
Ion Ratio Lower Upper

75 100

110 8.8 17.3 52.0#

77 0.0 24.6 37.0#

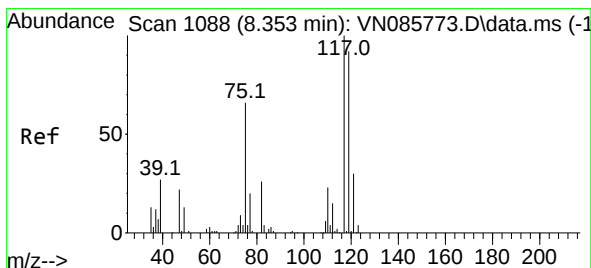
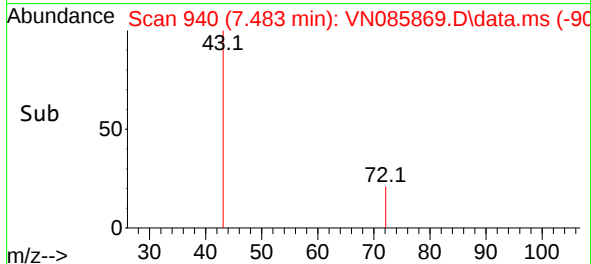
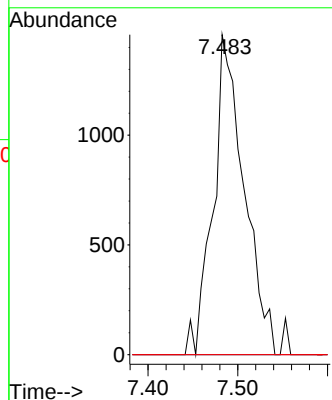
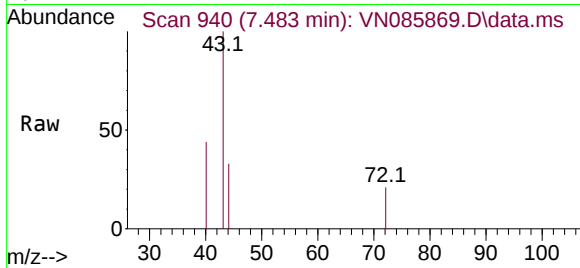




#37
Ethyl Acetate
Concen: 0.920 ug/l
RT: 7.483 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

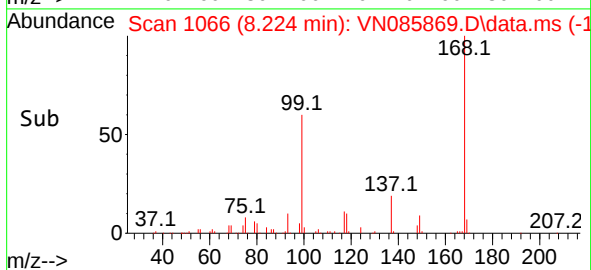
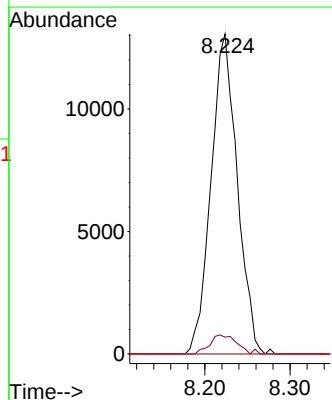
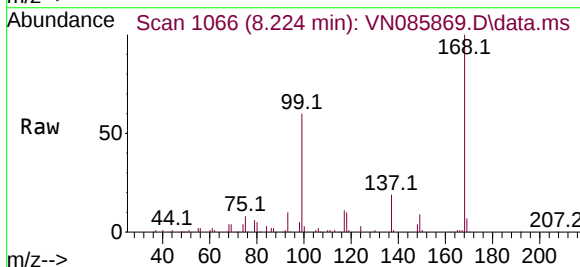
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-01

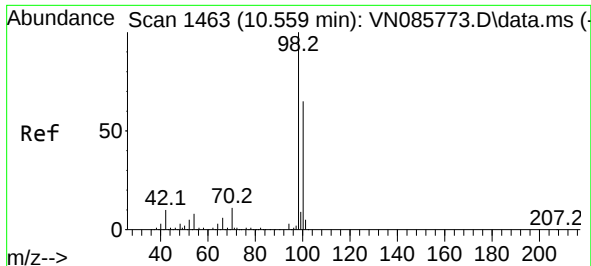
Tgt Ion: 43 Resp: 3490
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.2#
70 0.0 9.5 14.3#



#38
Carbon Tetrachloride
Concen: 5.106 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

Tgt Ion: 117 Resp: 27954
Ion Ratio Lower Upper
117 100
119 5.3 73.8 110.6#
121 0.0 24.3 36.5#

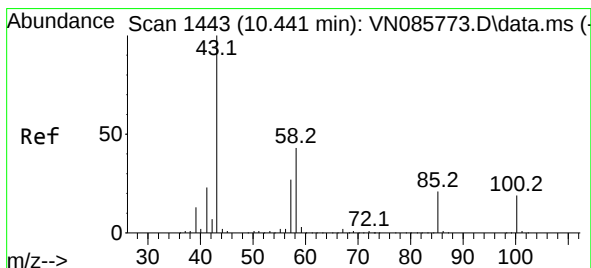
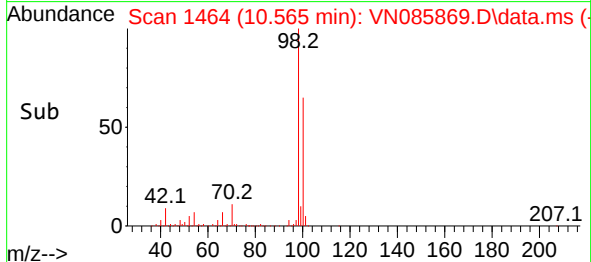
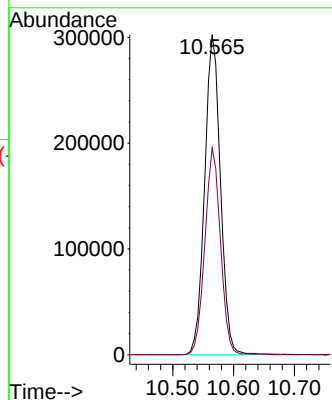
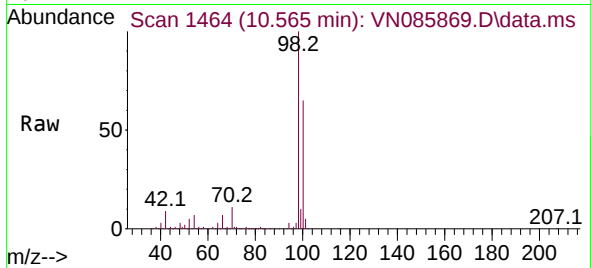




#50
Toluene-d8
Concen: 46.019 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

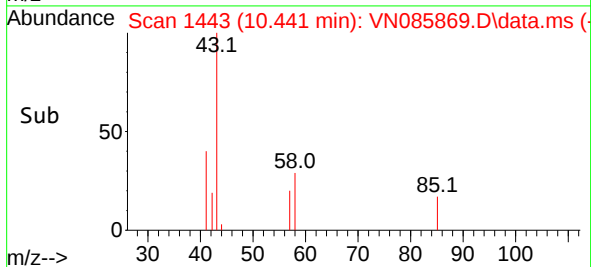
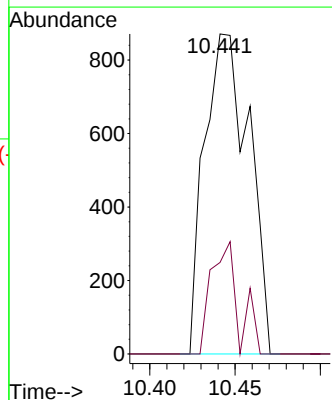
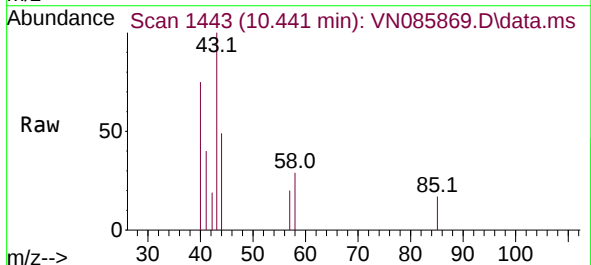
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-01

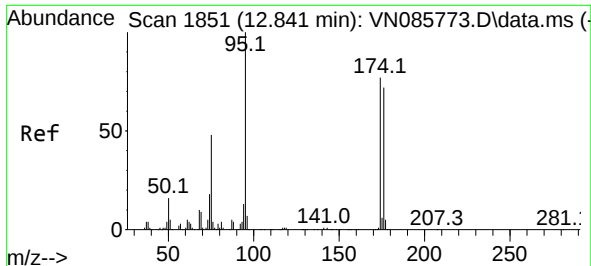
Tgt Ion: 98 Resp: 545079
Ion Ratio Lower Upper
98 100
100 63.9 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.433 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

Tgt Ion: 43 Resp: 1582
Ion Ratio Lower Upper
43 100
58 21.5 34.6 52.0#

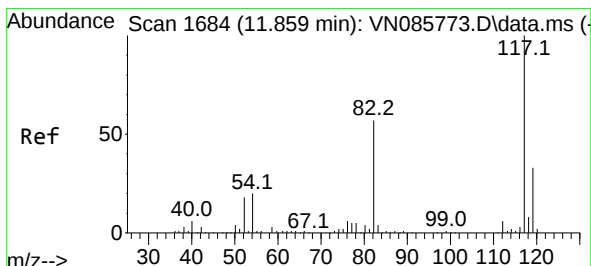
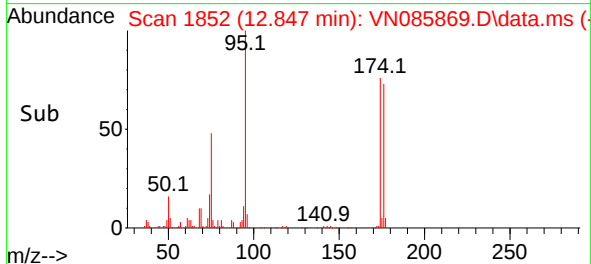
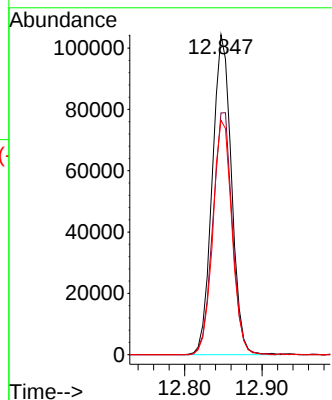
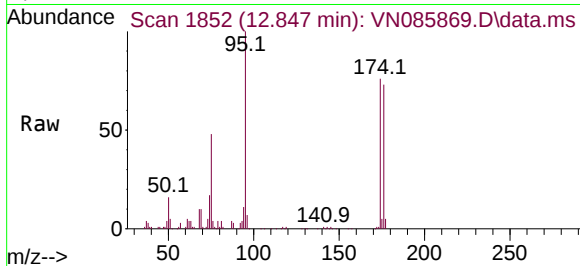




#62
4-Bromofluorobenzene
Concen: 45.923 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

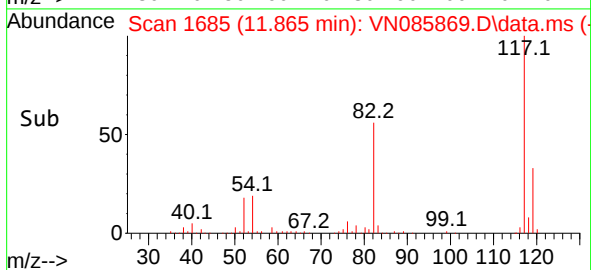
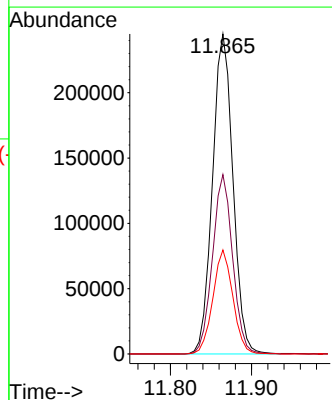
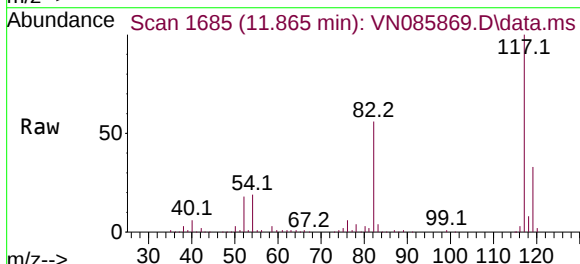
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-01

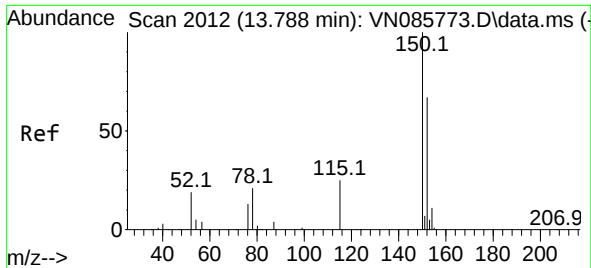
Tgt Ion: 95 Resp: 179218
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.4
176 73.0 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

Tgt Ion: 117 Resp: 429240
Ion Ratio Lower Upper
117 100
82 56.1 45.7 68.5
119 32.5 26.2 39.2

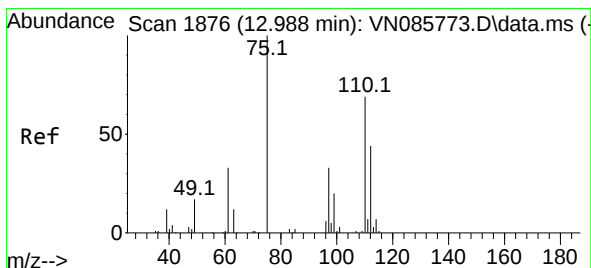
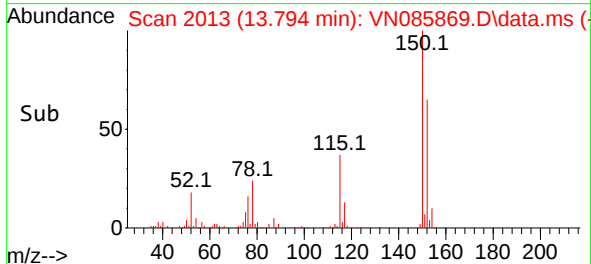
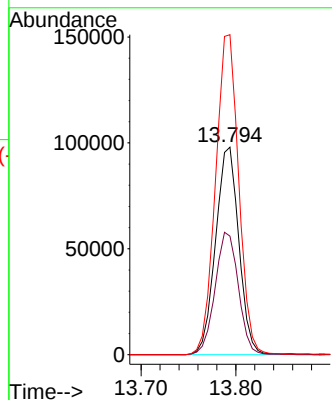
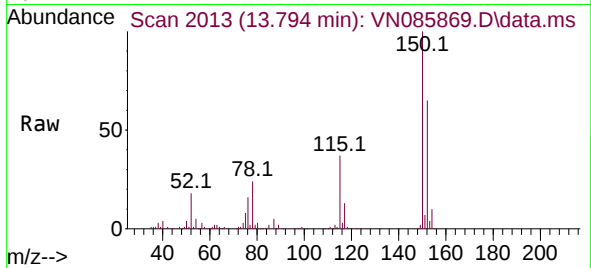




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: VN085869.D
 Acq: 26 Feb 2025 14:20

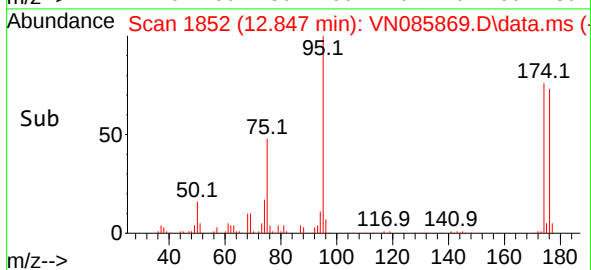
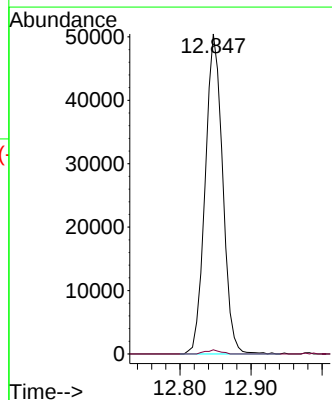
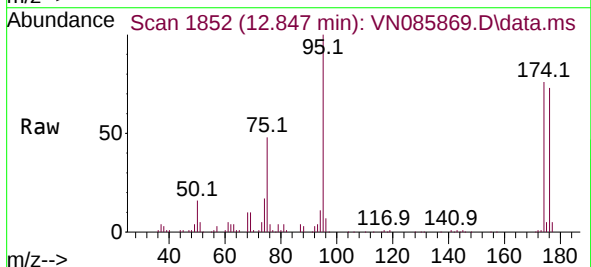
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-CLAY-CF01-01

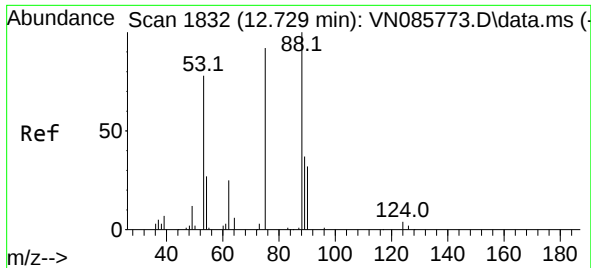
Tgt Ion:152 Resp: 167346
 Ion Ratio Lower Upper
 152 100
 115 59.2 30.4 91.3
 150 153.8 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 23.190 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085869.D
 Acq: 26 Feb 2025 14:20

Tgt Ion: 75 Resp: 86204
 Ion Ratio Lower Upper
 75 100
 77 1.1 100.0 300.0#

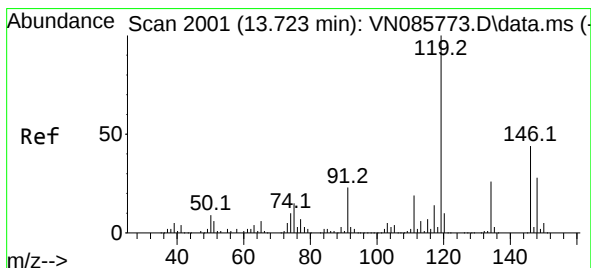
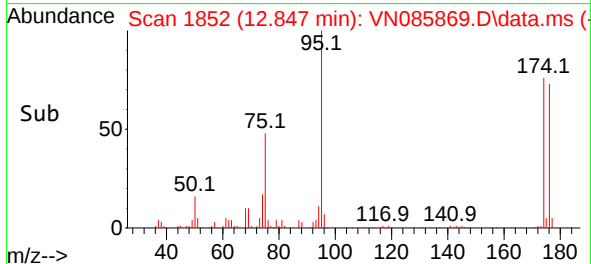
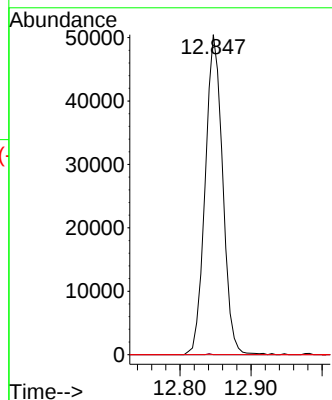
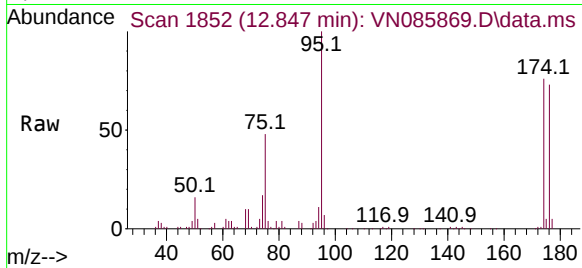




#81
trans-1,4-Dichloro-2-butene
Concen: 67.662 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-01

Tgt Ion: 75 Resp: 86204
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.631 ug/l
RT: 13.723 min Scan# 2001
Delta R.T. 0.000 min
Lab File: VN085869.D
Acq: 26 Feb 2025 14:20

Tgt Ion: 119 Resp: 58
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#

