

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022625\
 Data File : VN085870.D
 Acq On : 26 Feb 2025 14:44
 Operator : JC\MD
 Sample : Q1421-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-CLAY-CF01-02

Quant Time: Feb 26 23:01:17 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)

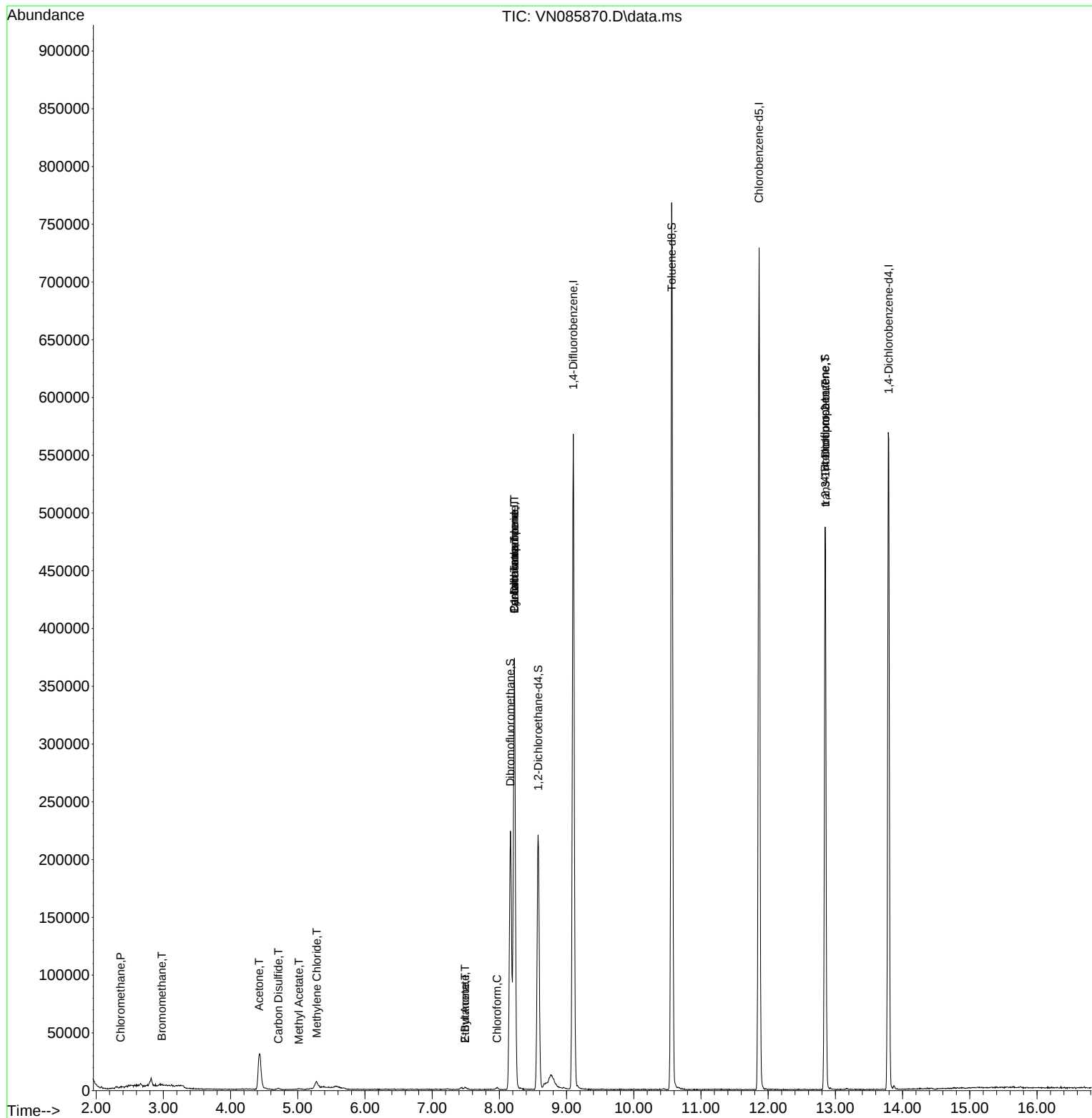
Internal Standards						
1) Pentafluorobenzene	8.224	168	265447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	493237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	428131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	165447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	182372	52.993	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.980%			
35) Dibromofluoromethane	8.165	113	164089	50.841	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.680%			
50) Toluene-d8	10.565	98	545554	46.459	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.920%			
62) 4-Bromofluorobenzene	12.847	95	174199	45.025	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.040%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	815	0.225	ug/l #	41
5) Bromomethane	2.977	94	534	0.218	ug/l	97
16) Acetone	4.424	43	60079	55.173	ug/l	100
17) Carbon Disulfide	4.712	76	2967	0.344	ug/l #	75
18) Methyl Acetate	5.018	43	752	0.201	ug/l #	47
20) Methylene Chloride	5.283	84	4924	1.406	ug/l	94
25) 2-Butanone	7.488	43	3684	2.300	ug/l	96
30) Chloroform	7.965	83	2008	0.327	ug/l	86
31) Cyclohexane	8.224	56	5273	1.073	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	21632	4.736	ug/l #	49
37) Ethyl Acetate	7.488	43	3684	0.980	ug/l #	66
38) Carbon Tetrachloride	8.224	117	28227	5.201	ug/l #	18
43) Isopropyl Acetate	8.682	43	3150	Below Cal	#	53
76) 1,2,3-Trichloropropane	12.853	75	85634	23.301	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	85634	67.986	ug/l #	13

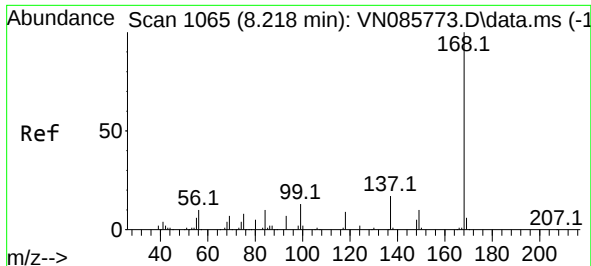
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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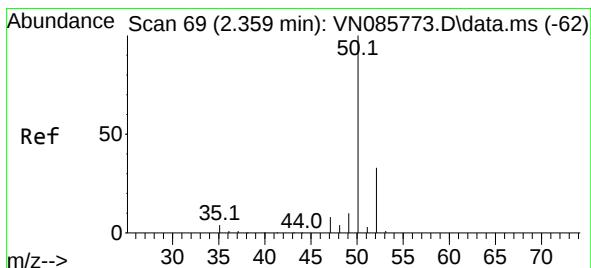
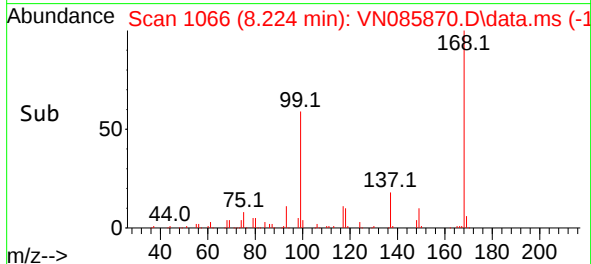
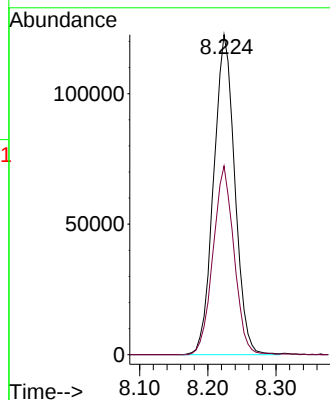
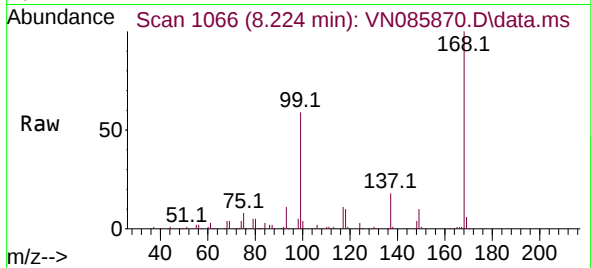




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

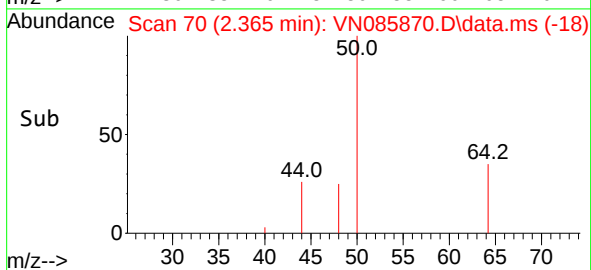
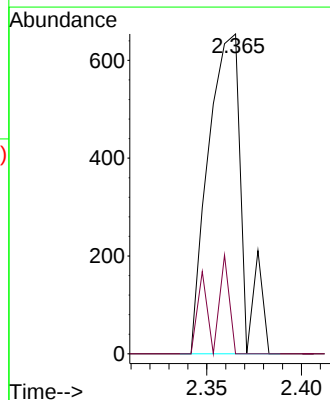
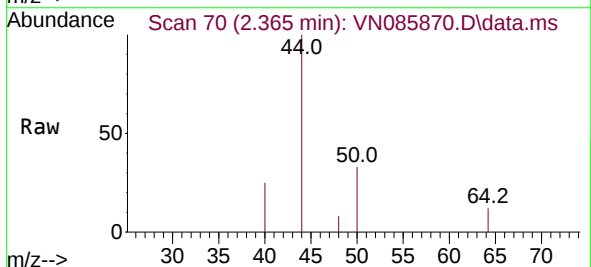
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-02

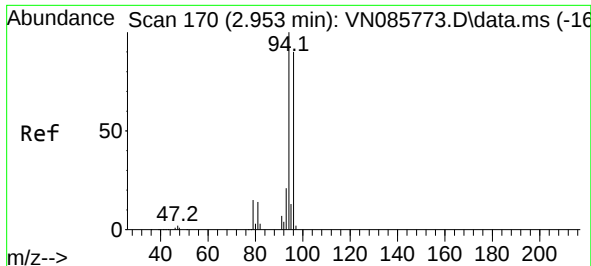
Tgt Ion:168 Resp: 265447
Ion Ratio Lower Upper
168 100
99 59.0 47.9 71.9



#3
Chloromethane
Concen: 0.225 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

Tgt Ion: 50 Resp: 815
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

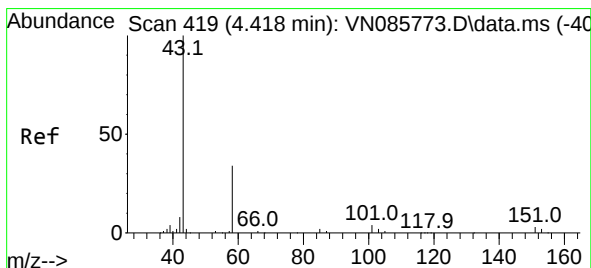
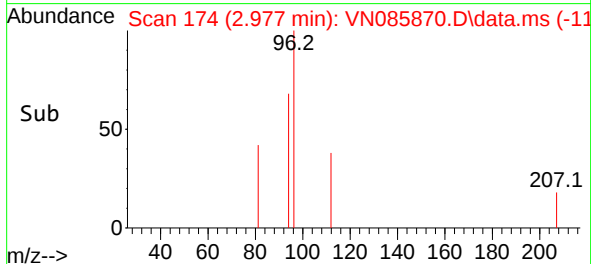
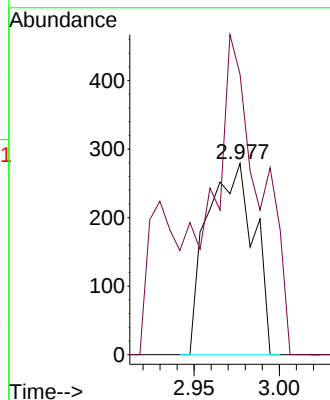
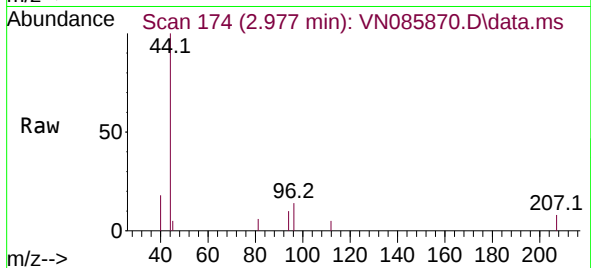




#5
Bromomethane
Concen: 0.218 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

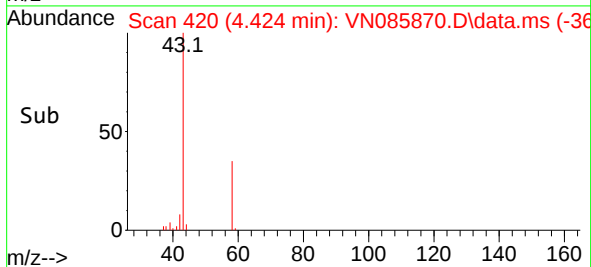
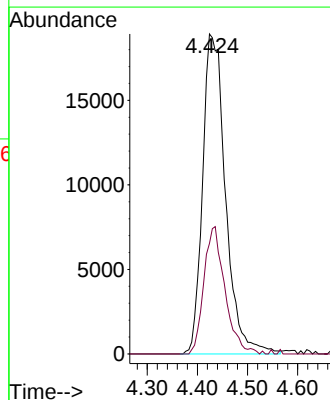
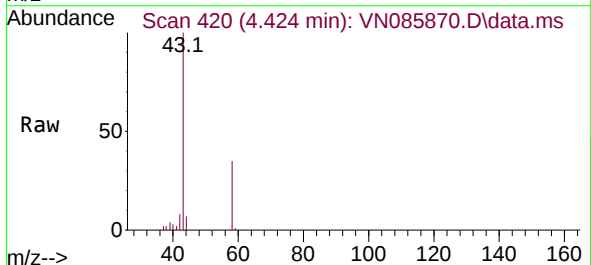
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-02

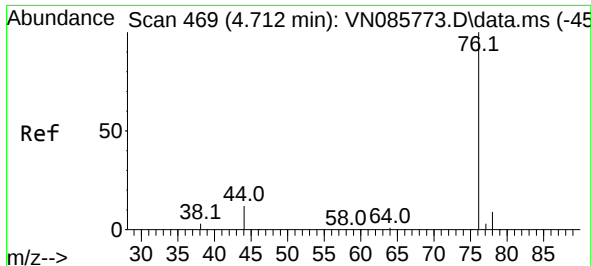
Tgt Ion: 94 Resp: 534
Ion Ratio Lower Upper
94 100
96 92.1 71.7 107.5



#16
Acetone
Concen: 55.173 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

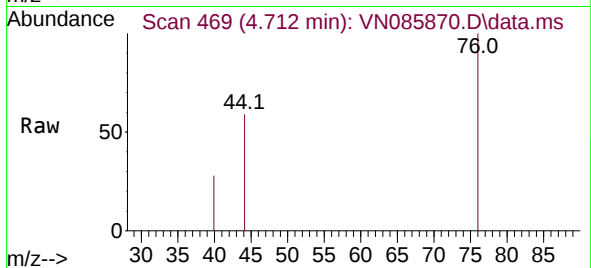
Tgt Ion: 43 Resp: 60079
Ion Ratio Lower Upper
43 100
58 34.6 27.5 41.3



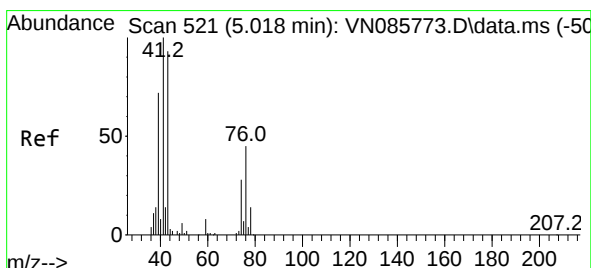
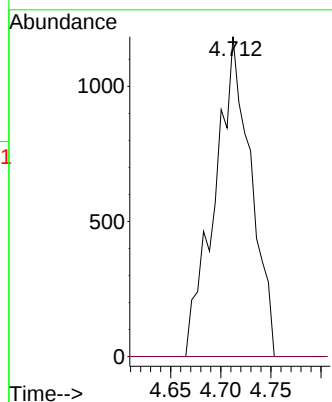
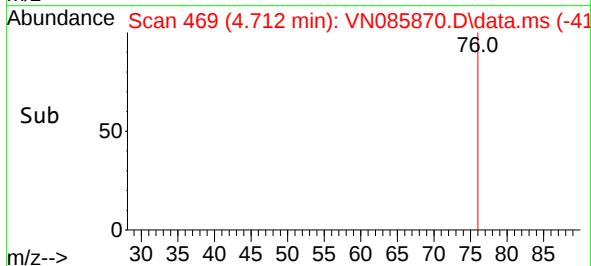


#17
Carbon Disulfide
Concen: 0.344 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

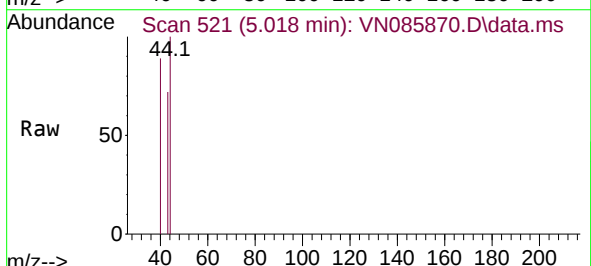
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-02



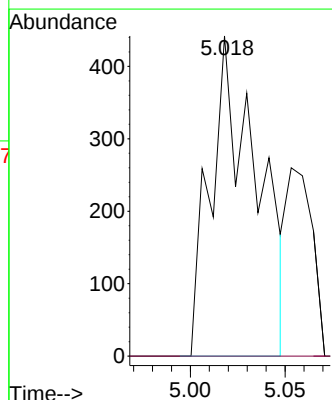
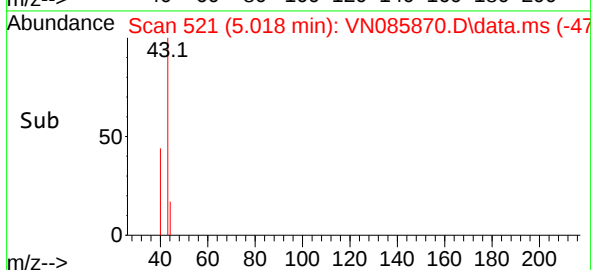
Tgt Ion: 76 Resp: 2967
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

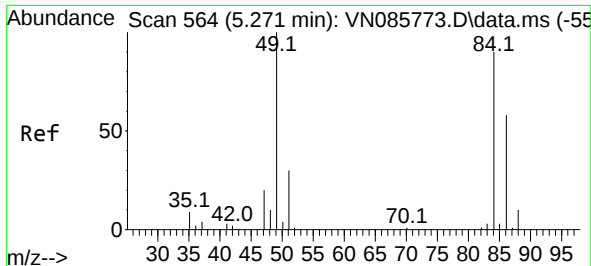


#18
Methyl Acetate
Concen: 0.201 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44



Tgt Ion: 43 Resp: 752
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#

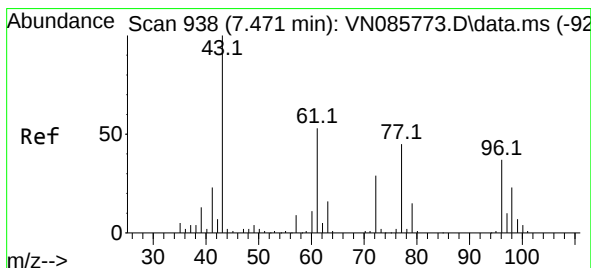
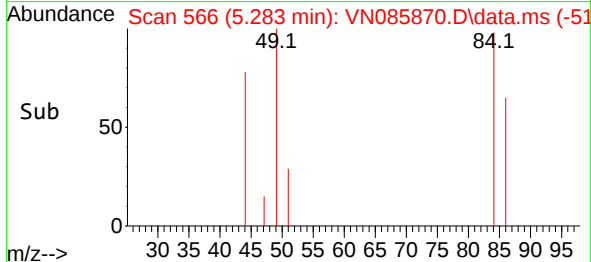
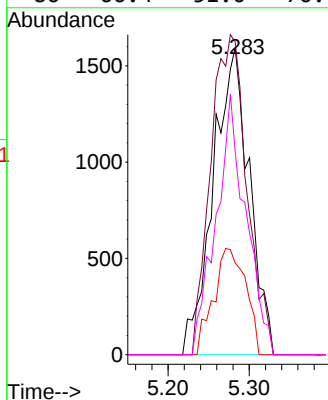
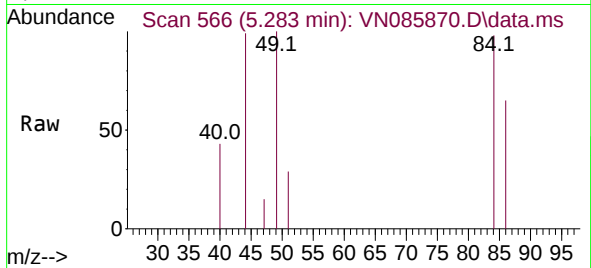




#20
Methylene Chloride
Concen: 1.406 ug/l
RT: 5.283 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

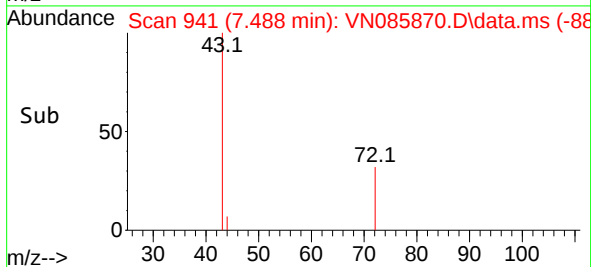
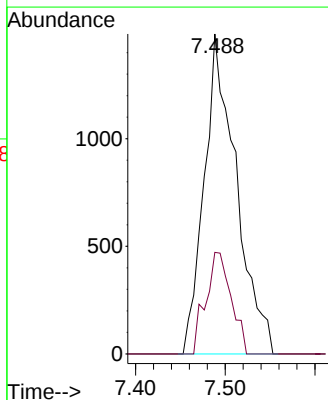
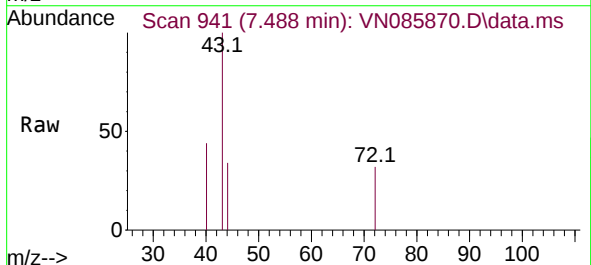
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-02

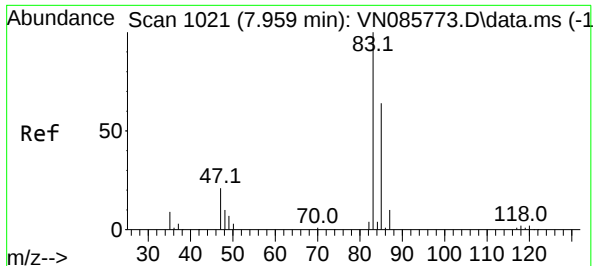
Tgt Ion: 84	Resp: 4924
Ion Ratio	Lower Upper
84 100	
49 102.0	88.4 132.6
51 29.9	26.6 40.0
86 66.4	51.0 76.6



#25
2-Butanone
Concen: 2.300 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

Tgt Ion: 43	Resp: 3684		
Ion Ratio	Lower	Upper	
43 100			
72 31.7	23.6	35.4	





#30

Chloroform

Concen: 0.327 ug/l

RT: 7.965 min Scan# 1021

Delta R.T. 0.006 min

Lab File: VN085870.D

Acq: 26 Feb 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

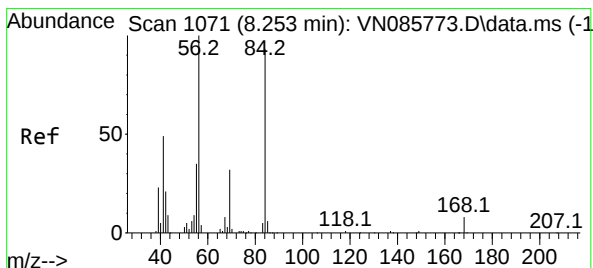
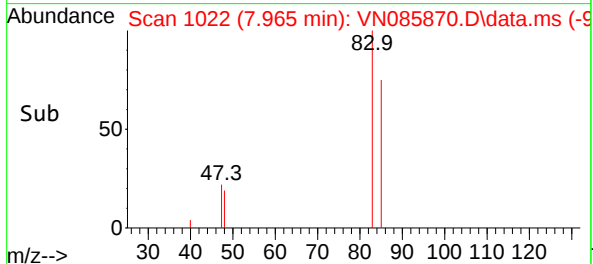
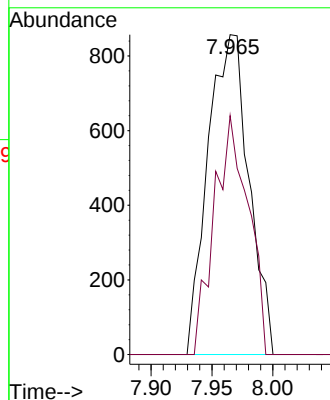
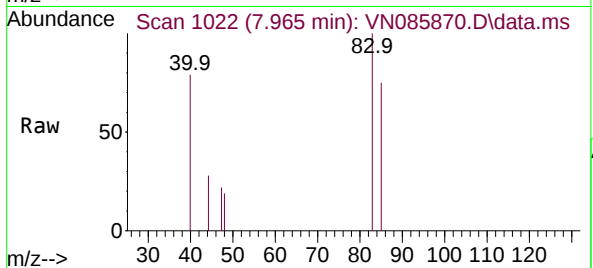
P001-CLAY-CF01-02

Tgt Ion: 83 Resp: 2008

Ion Ratio Lower Upper

83 100

85 74.7 50.9 76.3



#31

Cyclohexane

Concen: 1.073 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

Lab File: VN085870.D

Acq: 26 Feb 2025 14:44

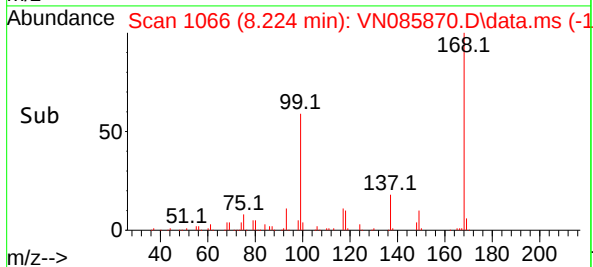
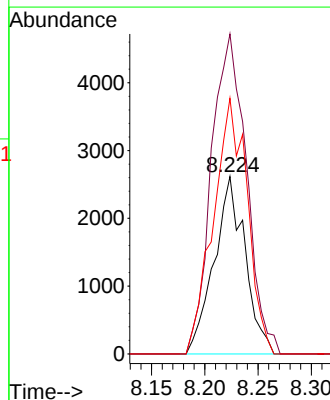
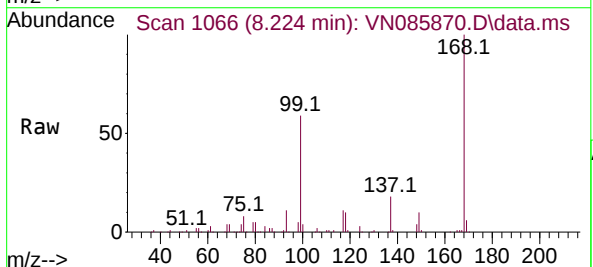
Tgt Ion: 56 Resp: 5273

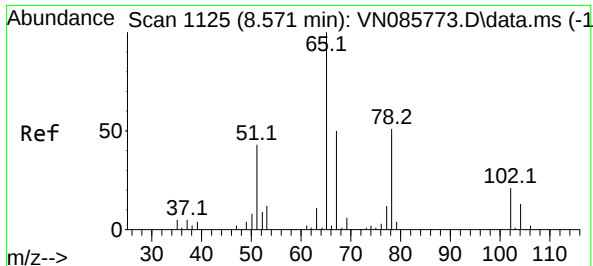
Ion Ratio Lower Upper

56 100

69 180.3 25.8 38.6#

84 144.1 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 52.993 ug/l

RT: 8.577 min Scan# 1125

Delta R.T. 0.006 min

Lab File: VN085870.D

Acq: 26 Feb 2025 14:44

Instrument :

MSVOA_N

ClientSampleId :

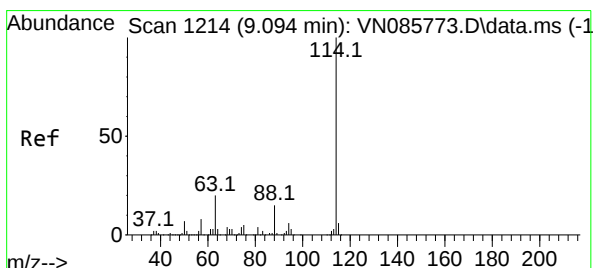
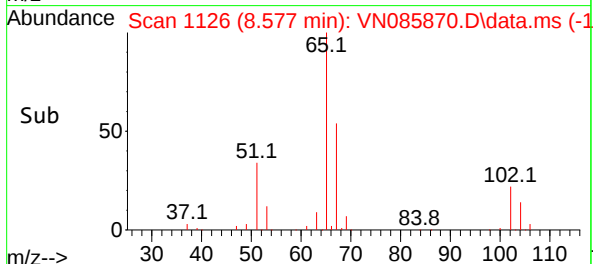
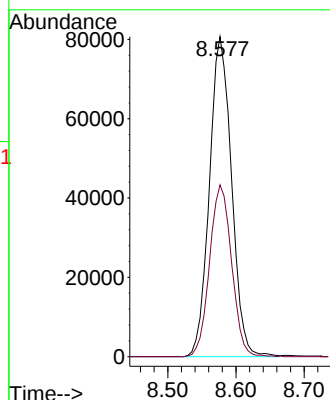
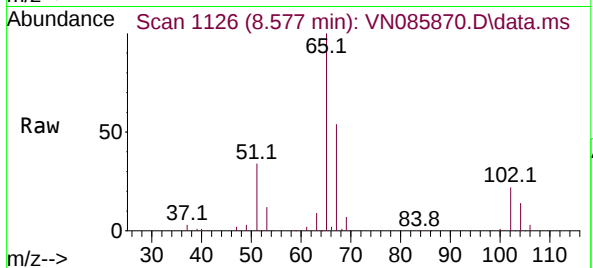
P001-CLAY-CF01-02

Tgt Ion: 65 Resp: 182372

Ion Ratio Lower Upper

65 100

67 53.4 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: VN085870.D

Acq: 26 Feb 2025 14:44

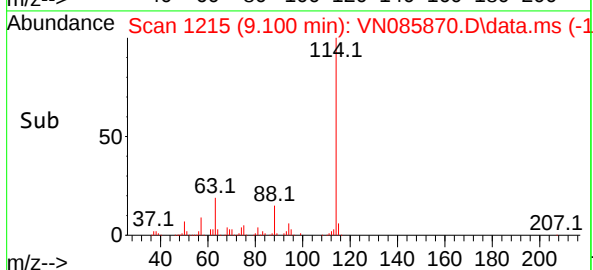
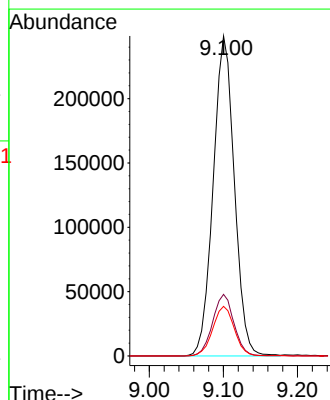
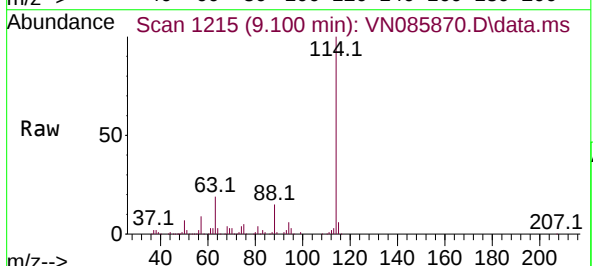
Tgt Ion: 114 Resp: 493237

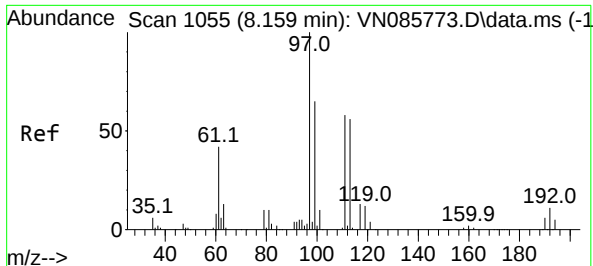
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 50.841 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085870.D

Acq: 26 Feb 2025 14:44

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P001-CLAY-CF01-02

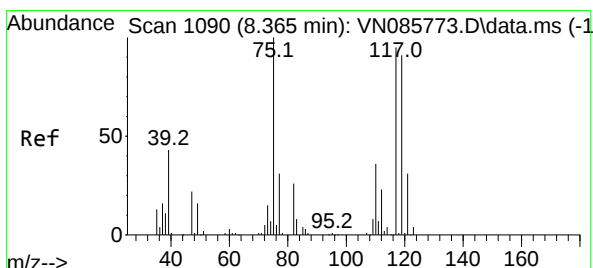
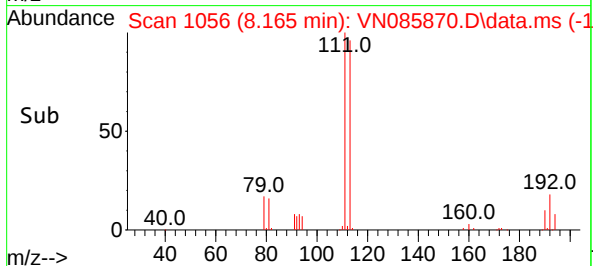
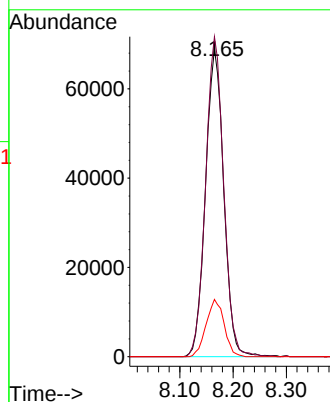
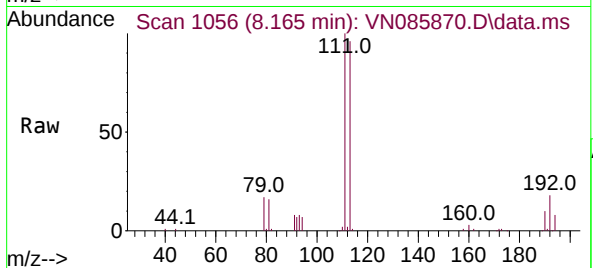
Tgt Ion:113 Resp: 164089

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 18.4 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.736 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085870.D

Acq: 26 Feb 2025 14:44

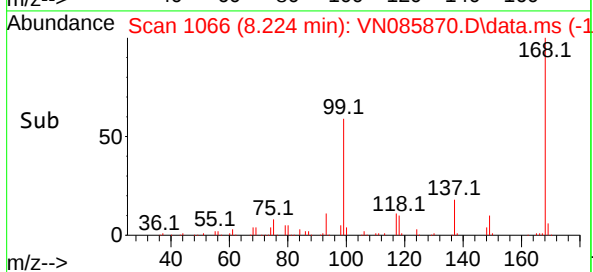
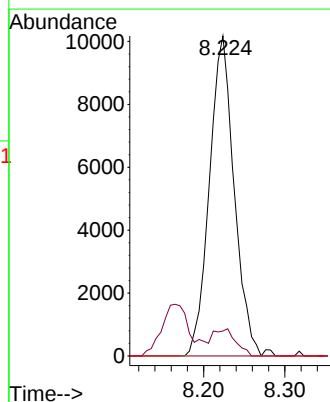
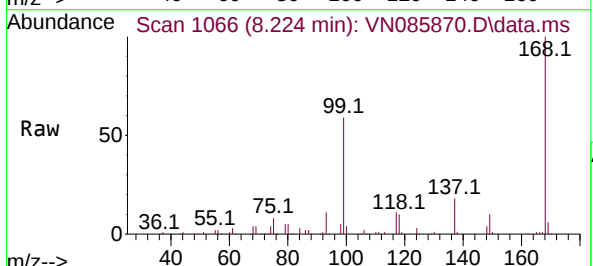
Tgt Ion: 75 Resp: 21632

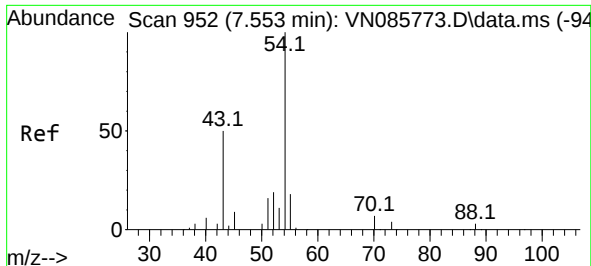
Ion Ratio Lower Upper

75 100

110 7.6 17.3 52.0#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.980 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN085870.D

Acq: 26 Feb 2025 14:44

Instrument :

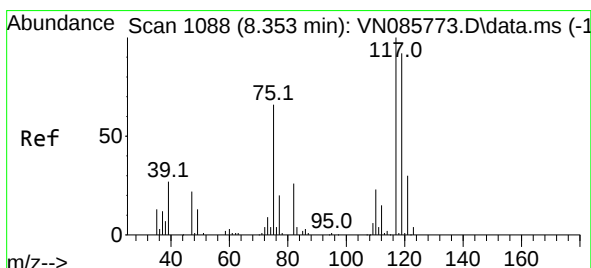
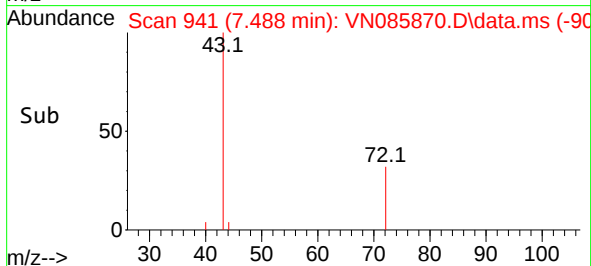
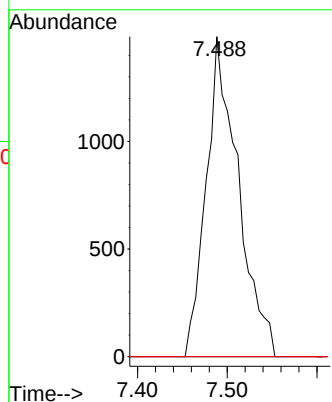
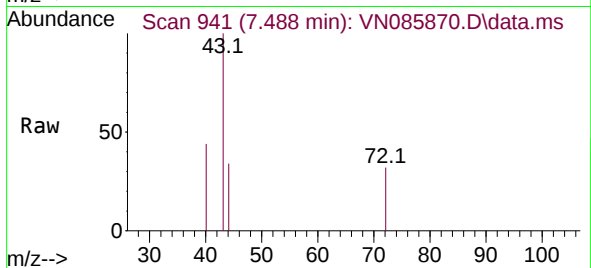
MSVOA_N

ClientSampleId :

P001-CLAY-CF01-02

Tgt Ion: 43 Resp: 3684

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.2#
70	0.0	9.5	14.3#



#38

Carbon Tetrachloride

Concen: 5.201 ug/l

RT: 8.224 min Scan# 1066

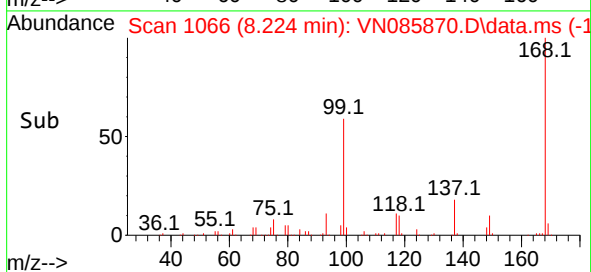
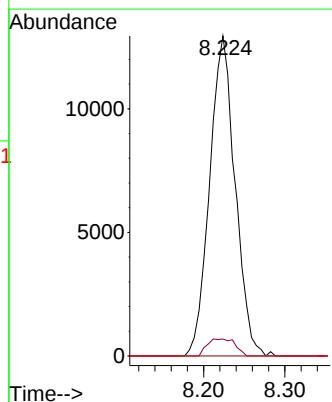
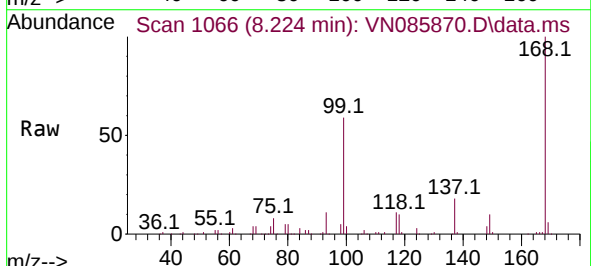
Delta R.T. -0.129 min

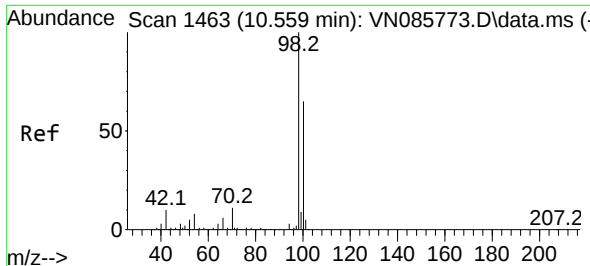
Lab File: VN085870.D

Acq: 26 Feb 2025 14:44

Tgt Ion: 117 Resp: 28227

Ion	Ratio	Lower	Upper
117	100		
119	5.3	73.8	110.6#
121	0.0	24.3	36.5#

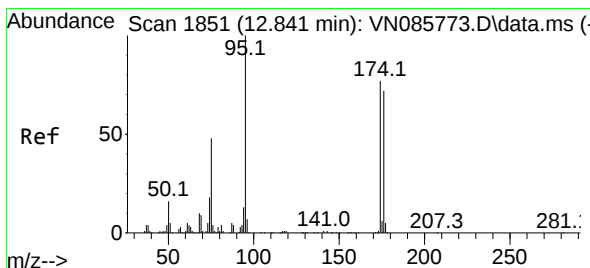
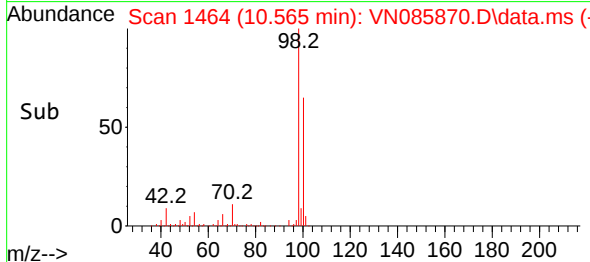
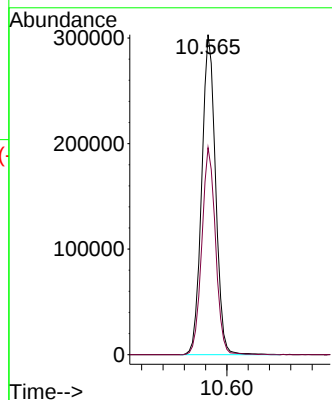
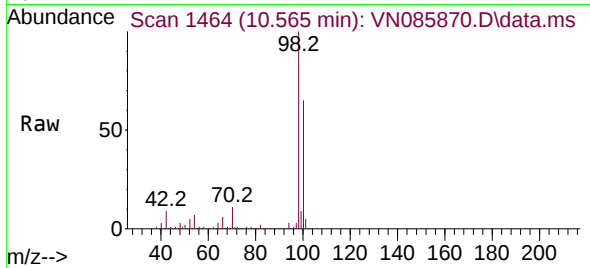




#50
Toluene-d8
Concen: 46.459 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

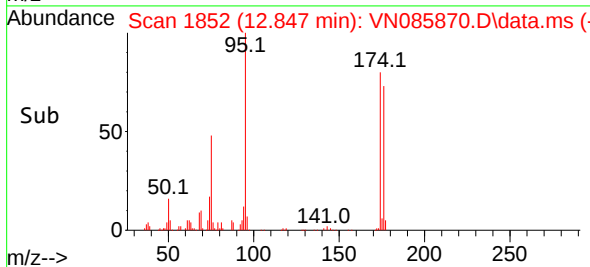
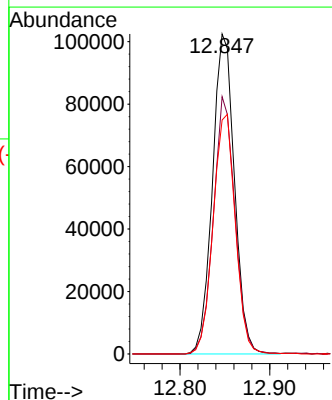
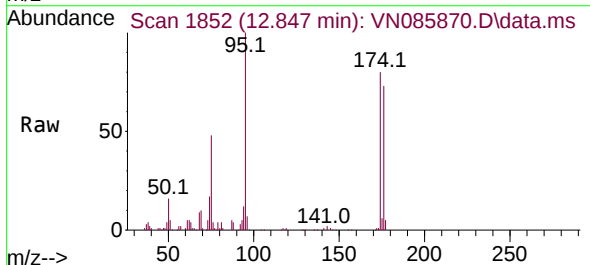
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-02

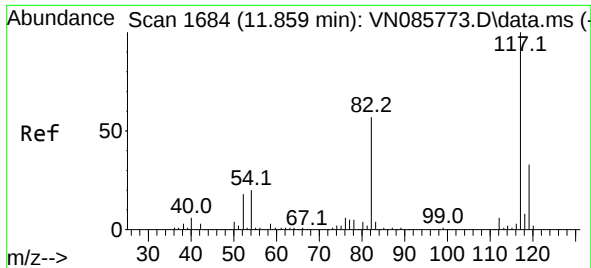
Tgt Ion: 98 Resp: 545554
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.025 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

Tgt Ion: 95 Resp: 174199
Ion Ratio Lower Upper
95 100
174 78.7 0.0 152.4
176 75.8 0.0 146.6

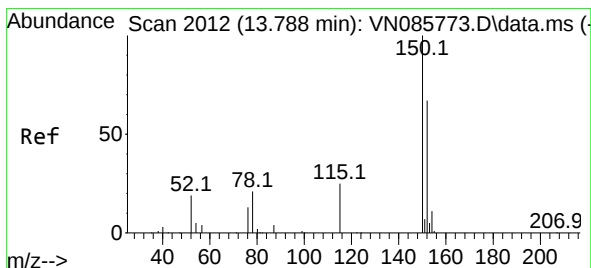
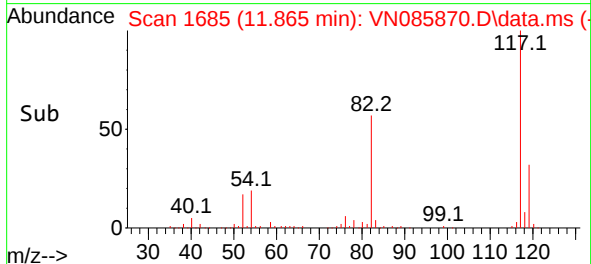
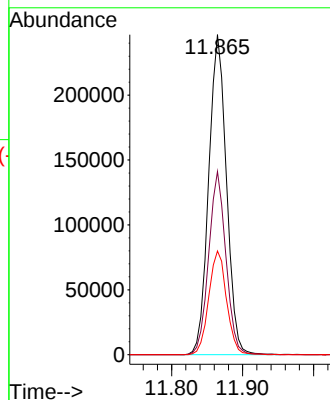
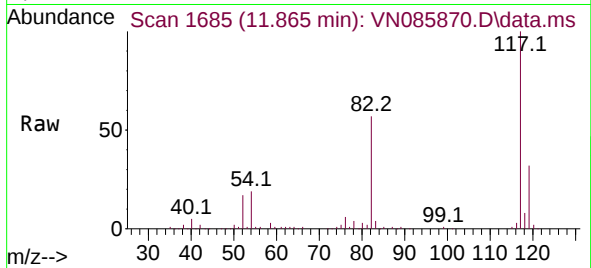




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

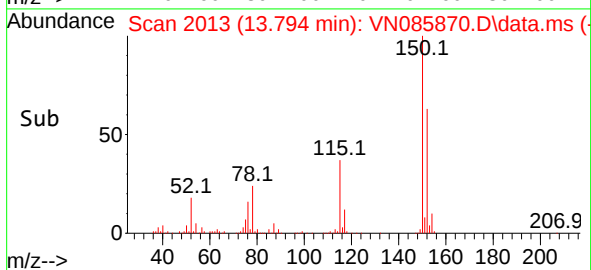
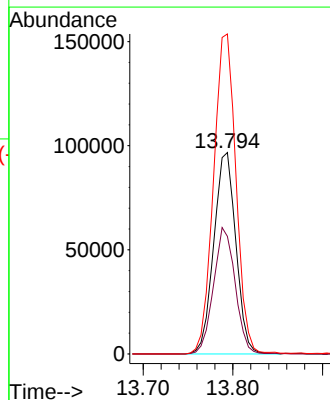
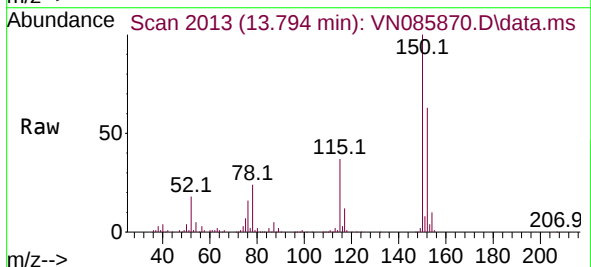
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-02

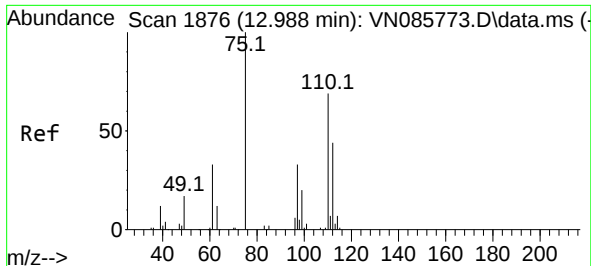
Tgt Ion:117 Resp: 428131
Ion Ratio Lower Upper
117 100
82 57.2 45.7 68.5
119 32.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

Tgt Ion:152 Resp: 165447
Ion Ratio Lower Upper
152 100
115 61.5 30.4 91.3
150 161.3 0.0 345.4

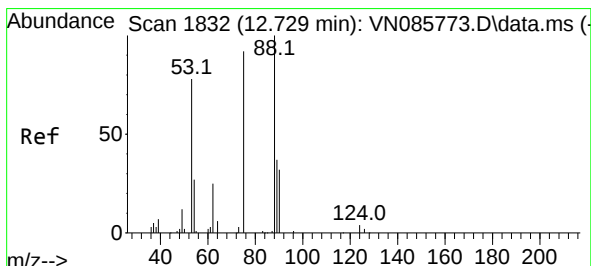
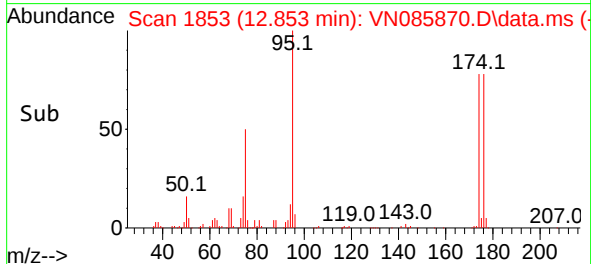
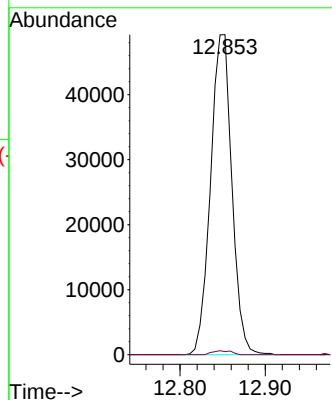
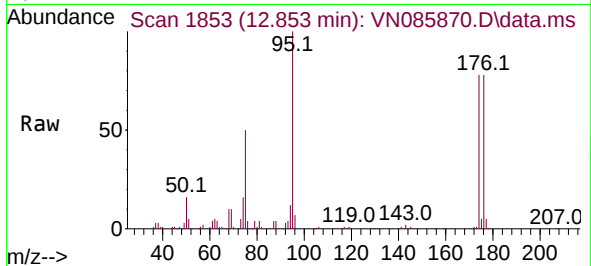




#76
1,2,3-Trichloropropane
Concen: 23.301 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.135 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF01-02

Tgt Ion: 75 Resp: 85634
Ion Ratio Lower Upper
75 100
77 1.1 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.986 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.123 min
Lab File: VN085870.D
Acq: 26 Feb 2025 14:44

Tgt Ion: 75 Resp: 85634
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.1 34.9 52.3#

