

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022625\
 Data File : VN085871.D
 Acq On : 26 Feb 2025 15:08
 Operator : JC\MD
 Sample : Q1421-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-CLAY-CF02-01

Quant Time: Feb 26 23:02:35 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)

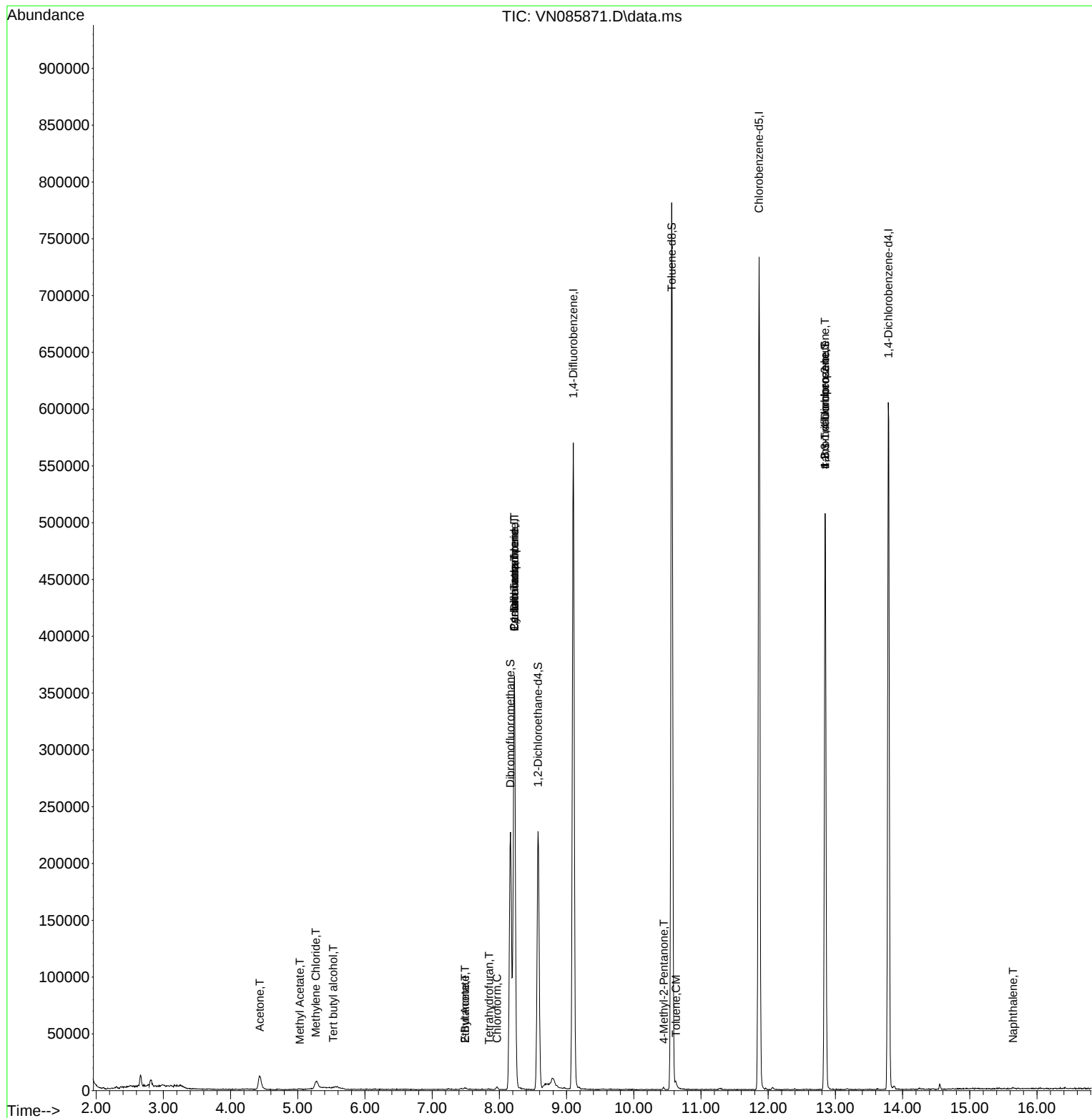
Internal Standards						
1) Pentafluorobenzene	8.224	168	269829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	498271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	443623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	172512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	184049	52.612	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.220%
35) Dibromofluoromethane	8.165	113	168175	51.580	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.160%
50) Toluene-d8	10.565	98	552142	46.545	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.100%
62) 4-Bromofluorobenzene	12.847	95	180855	46.273	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.540%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.530	59	200	0.465	ug/l #	72
16) Acetone	4.436	43	23745	21.452	ug/l	100
18) Methyl Acetate	5.030	43	1022	0.268	ug/l #	47
20) Methylene Chloride	5.271	84	6218	1.747	ug/l #	84
25) 2-Butanone	7.488	43	3031	1.861	ug/l #	84
29) Tetrahydrofuran	7.847	42	265	0.252	ug/l #	47
30) Chloroform	7.965	83	2529	0.406	ug/l #	77
31) Cyclohexane	8.224	56	5599	1.121	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	21331	4.623	ug/l #	48
37) Ethyl Acetate	7.488	43	3031	0.798	ug/l #	66
38) Carbon Tetrachloride	8.224	117	28161	5.136	ug/l #	19
43) Isopropyl Acetate	8.688	43	3568	Below Cal	#	53
51) 4-Methyl-2-Pentanone	10.447	43	1506	0.411	ug/l #	77
52) Toluene	10.629	92	2167	0.250	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	87369	22.799	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87369	66.523	ug/l #	13
95) Naphthalene	15.647	128	2107	0.280	ug/l #	81

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022625\
Data File : VN085871.D
Acq On : 26 Feb 2025 15:08
Operator : JC\MD
Sample : Q1421-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

Quant Time: Feb 26 23:02:35 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

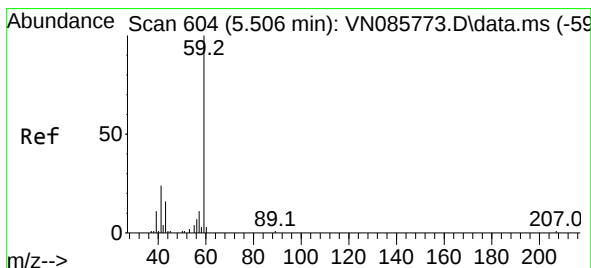
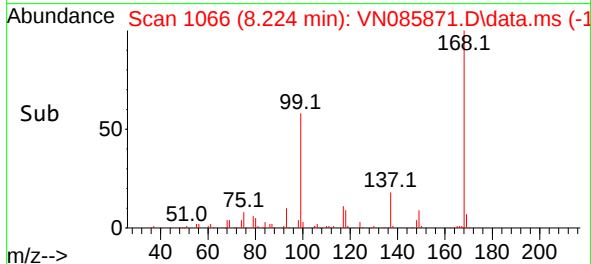
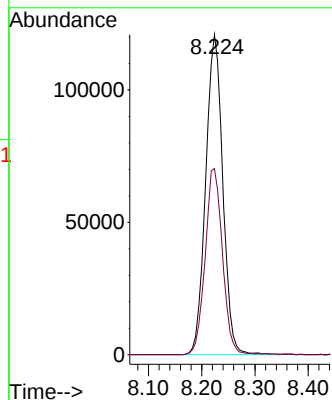
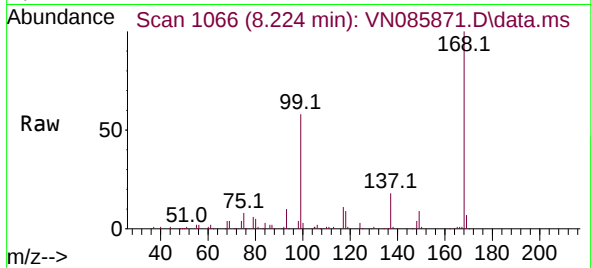




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

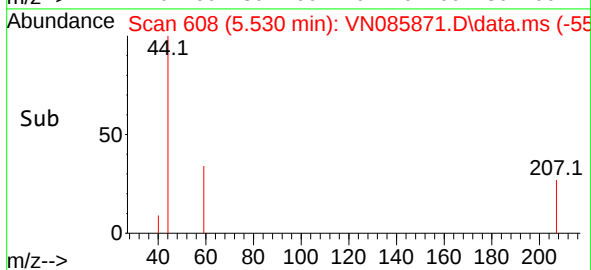
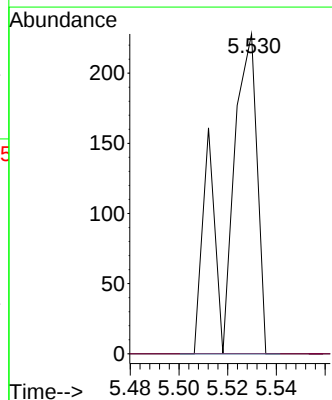
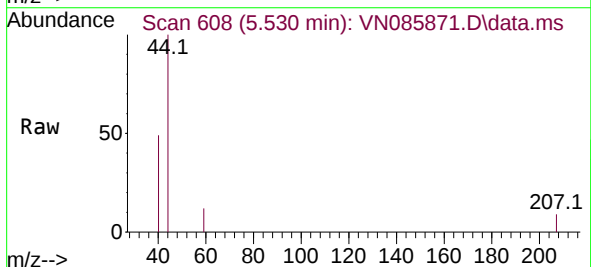
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

Tgt Ion:168 Resp: 269829
Ion Ratio Lower Upper
168 100
99 58.2 47.9 71.9



#11
Tert butyl alcohol
Concen: 0.465 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.024 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

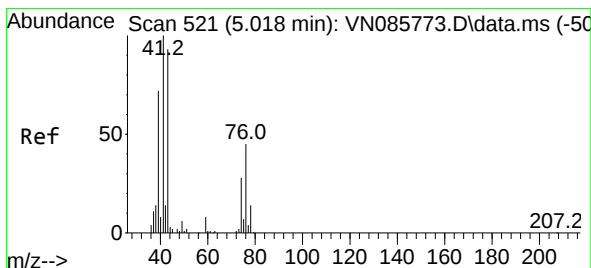
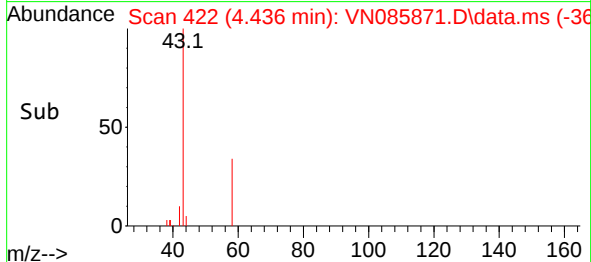
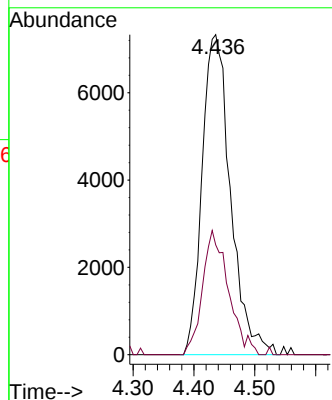
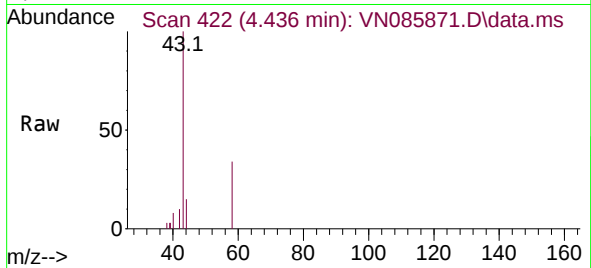




#16
Acetone
Concen: 21.452 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

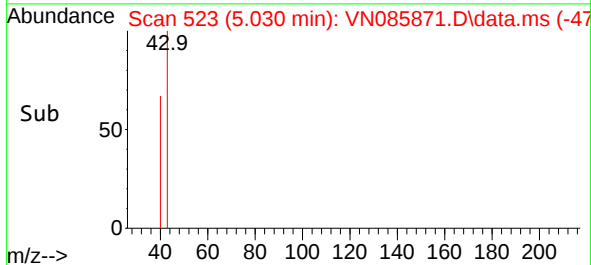
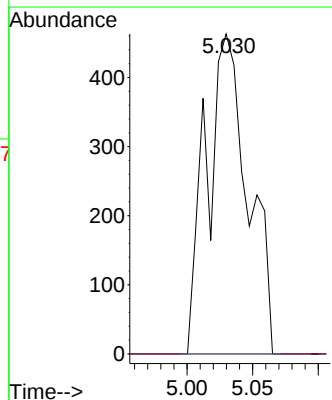
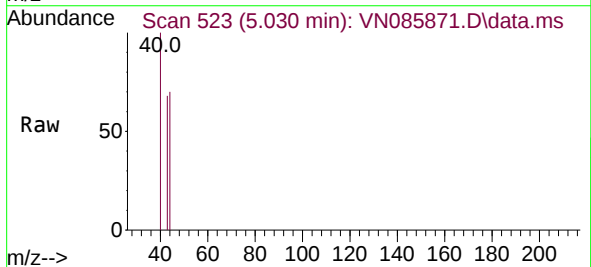
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

Tgt Ion: 43 Resp: 23745
Ion Ratio Lower Upper
43 100
58 34.3 27.5 41.3



#18
Methyl Acetate
Concen: 0.268 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.4#

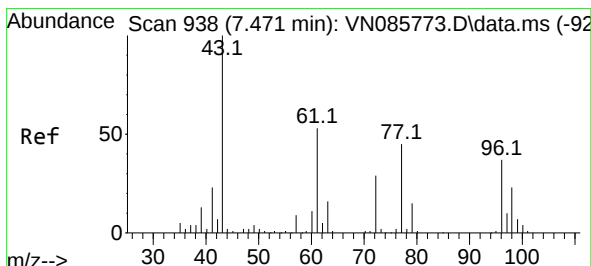
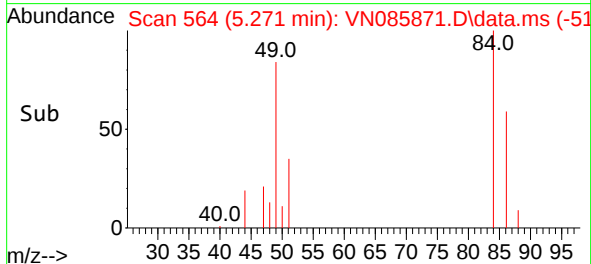
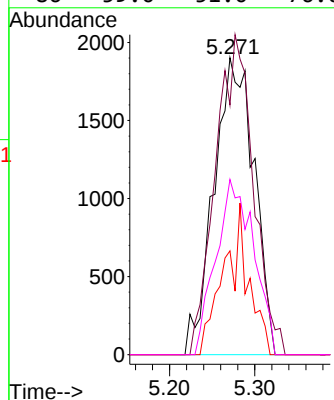
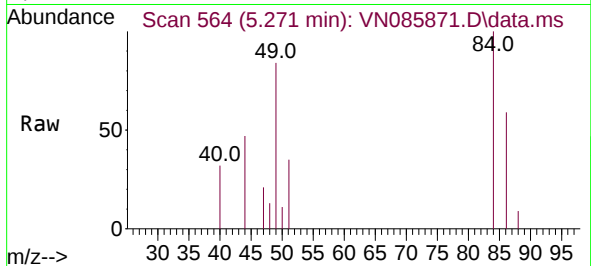




#20
Methylene Chloride
Concen: 1.747 ug/l
RT: 5.271 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

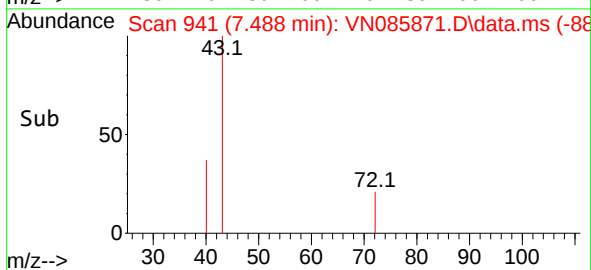
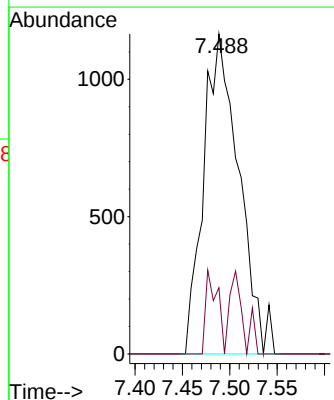
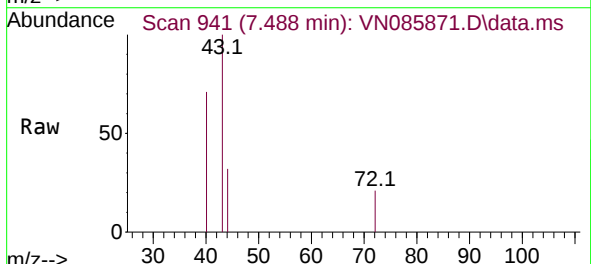
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

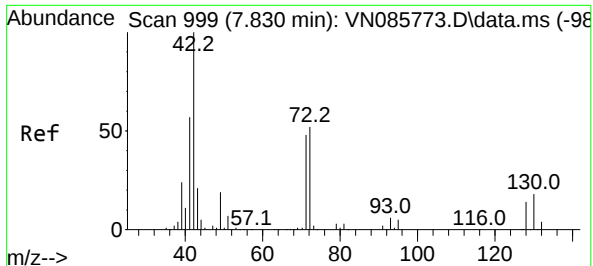
Tgt Ion: 84	Resp: 6218
Ion Ratio	Lower Upper
84 100	
49 84.1	88.4 132.6#
51 35.0	26.6 40.0
86 59.0	51.0 76.6



#25
2-Butanone
Concen: 1.861 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Tgt Ion: 43	Resp: 3031		
Ion Ratio	Lower	Upper	
43 100			
72 20.7	23.6	35.4#	





#29

Tetrahydrofuran

Concen: 0.252 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

Lab File: VN085871.D

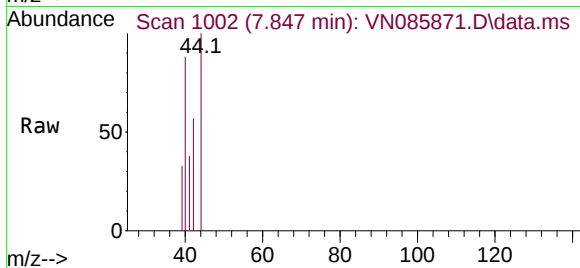
Acq: 26 Feb 2025 15:08

Instrument :

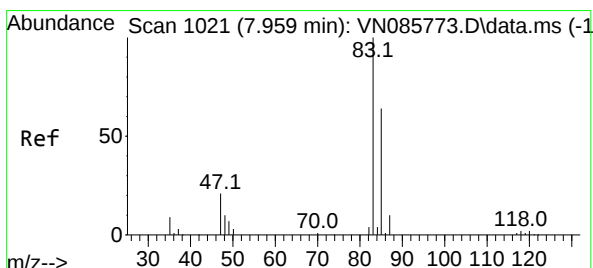
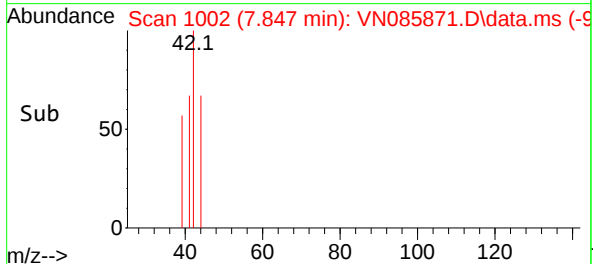
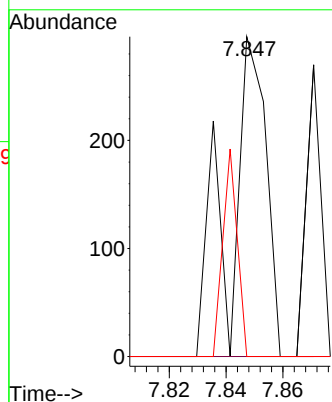
MSVOA_N

ClientSampleId :

P001-CLAY-CF02-01



Tgt Ion: 42	Resp: 265
Ion Ratio	Lower Upper
42	100
72	0.0 40.0 60.0#
71	25.7 37.0 55.4#



#30

Chloroform

Concen: 0.406 ug/l

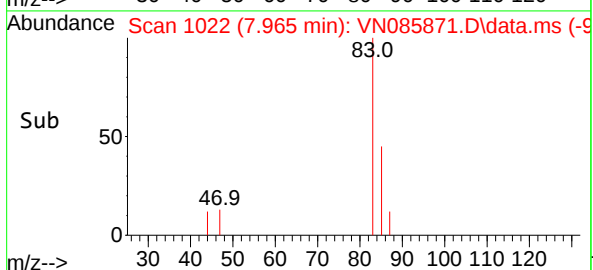
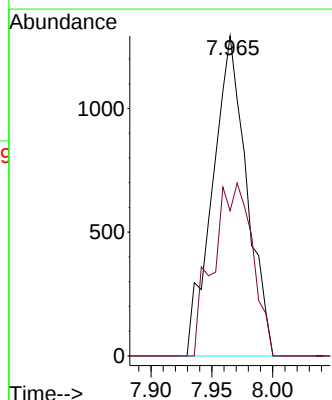
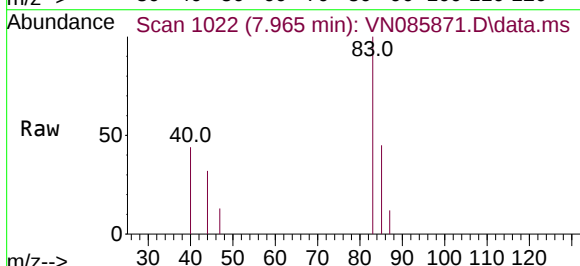
RT: 7.965 min Scan# 1022

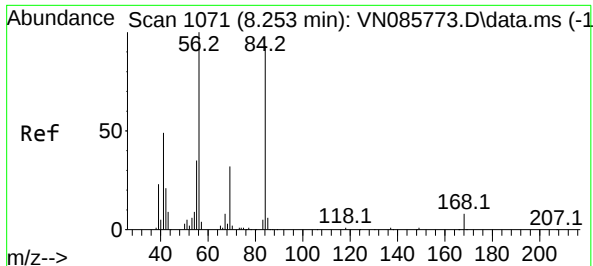
Delta R.T. 0.006 min

Lab File: VN085871.D

Acq: 26 Feb 2025 15:08

Tgt Ion: 83	Resp: 2529
Ion Ratio	Lower Upper
83	100
85	45.3 50.9 76.3#

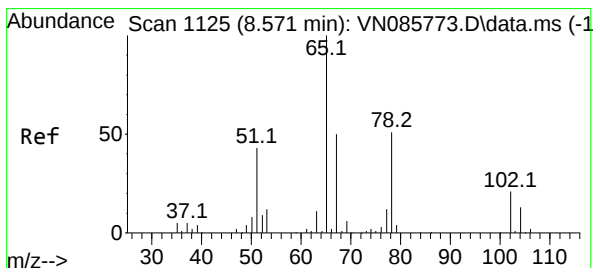
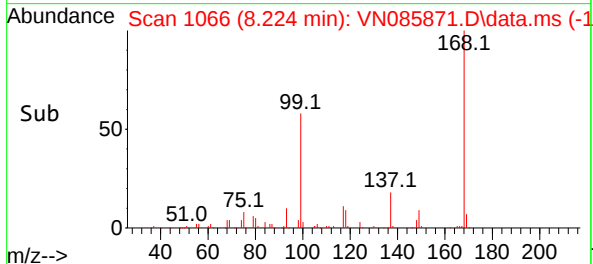
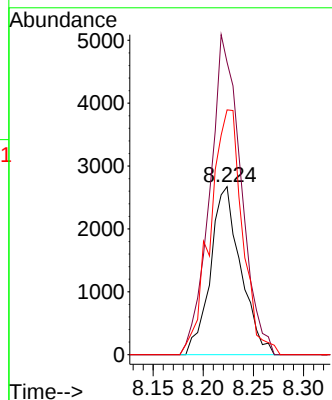
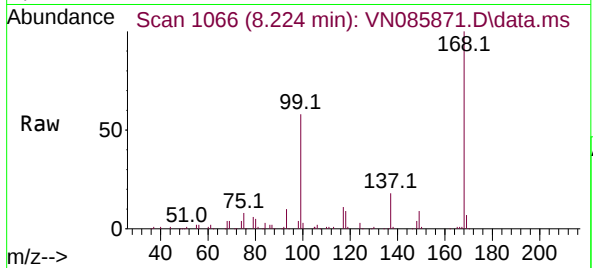




#31
Cyclohexane
Concen: 1.121 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

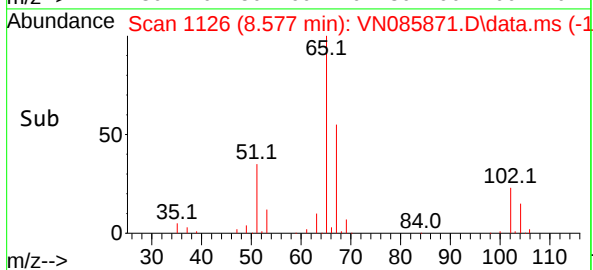
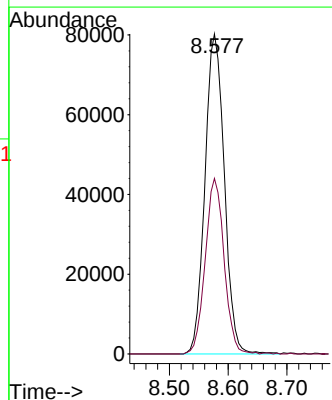
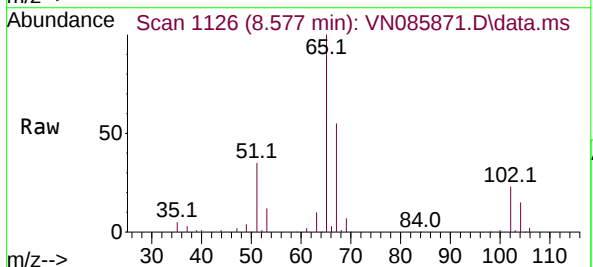
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

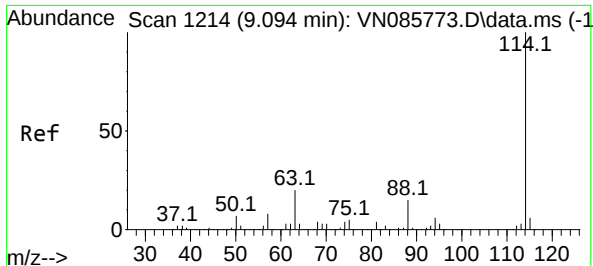
Tgt Ion: 56 Resp: 5599
Ion Ratio Lower Upper
56 100
69 174.0 25.8 38.6#
84 145.7 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 52.612 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Tgt Ion: 65 Resp: 184049
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# 11

Delta R.T. 0.006 min

Lab File: VN085871.D

Acq: 26 Feb 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

P001-CLAY-CF02-01

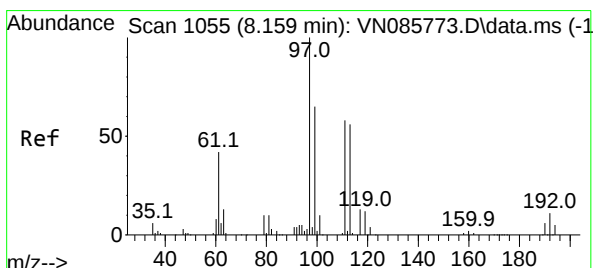
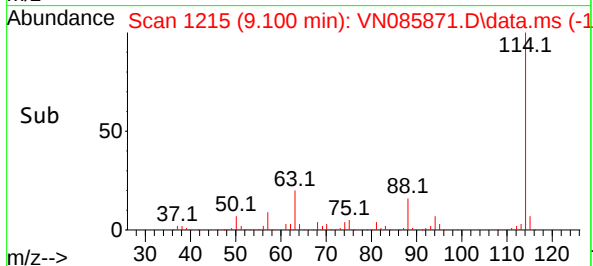
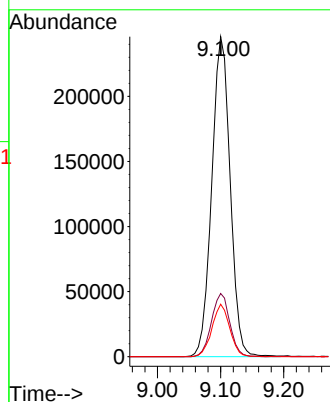
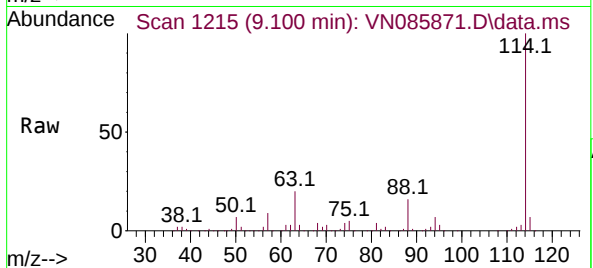
Tgt Ion:114 Resp: 498271

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

88 16.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.580 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085871.D

Acq: 26 Feb 2025 15:08

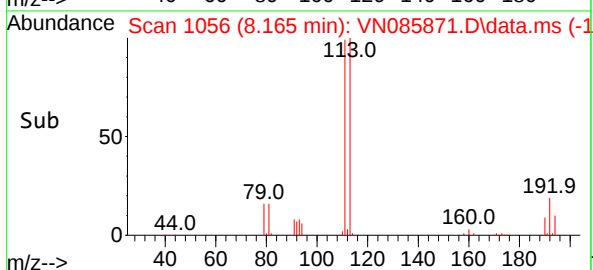
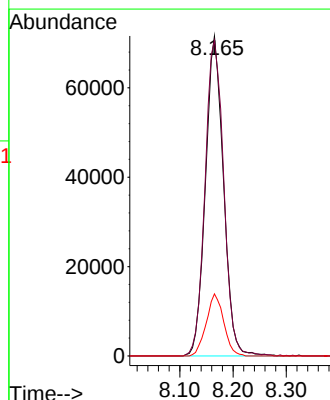
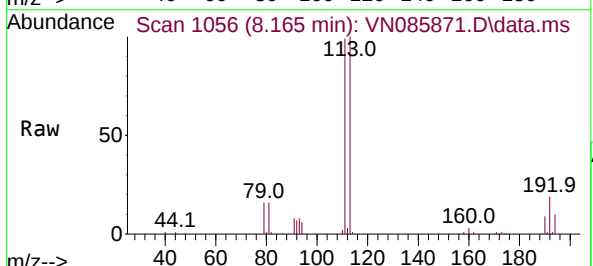
Tgt Ion:113 Resp: 168175

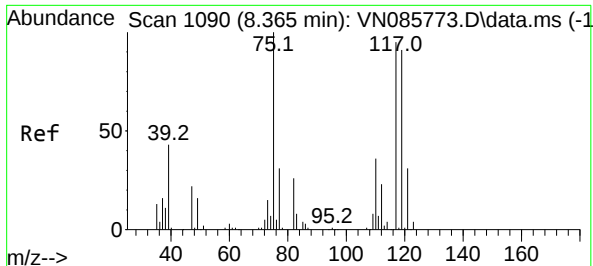
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 18.8 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085871.D

Acq: 26 Feb 2025 15:08

Instrument :

MSVOA_N

ClientSampleId :

P001-CLAY-CF02-01

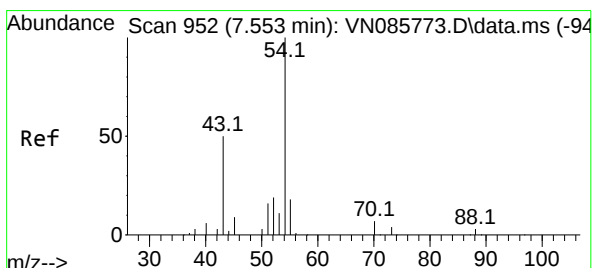
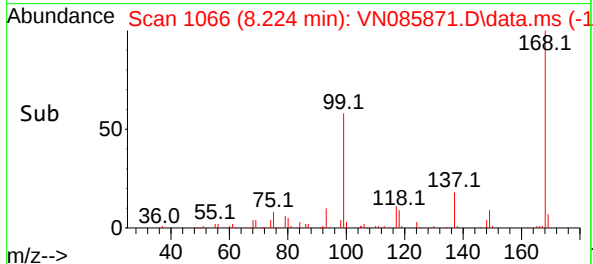
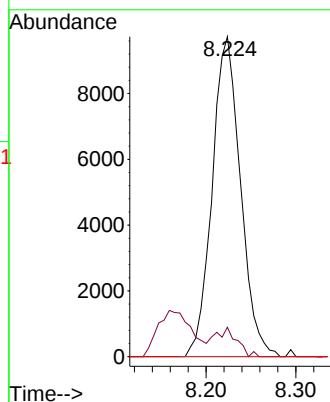
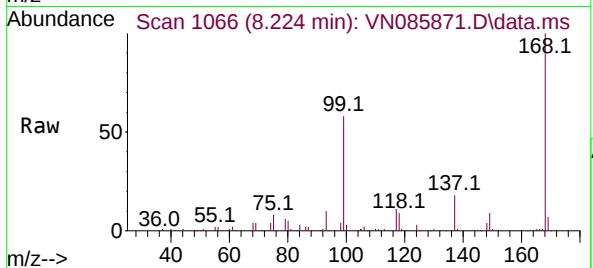
Tgt Ion: 75 Resp: 21331

Ion Ratio Lower Upper

75 100

110 7.2 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.798 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.065 min

Lab File: VN085871.D

Acq: 26 Feb 2025 15:08

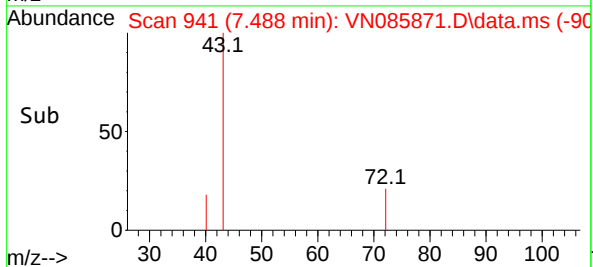
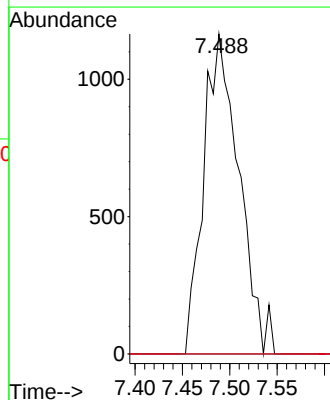
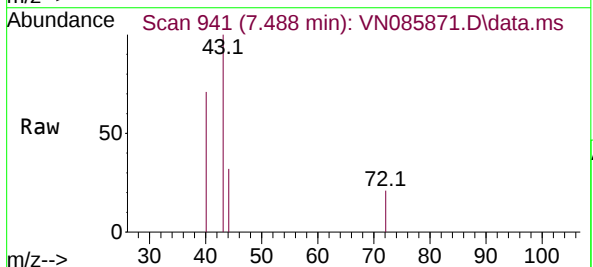
Tgt Ion: 43 Resp: 3031

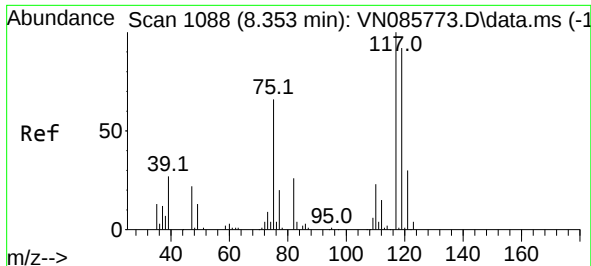
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

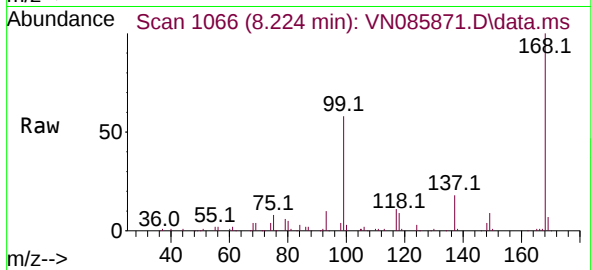
70 0.0 9.5 14.3#



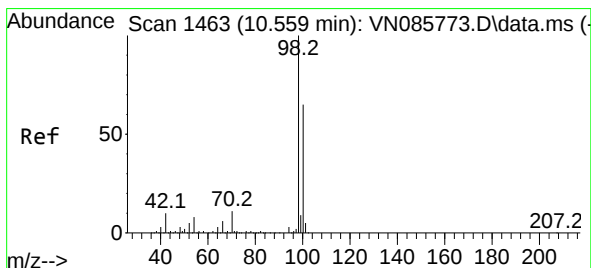
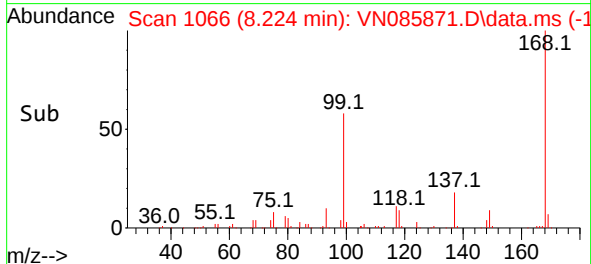
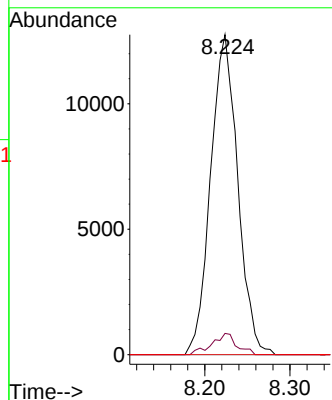


#38
Carbon Tetrachloride
Concen: 5.136 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.129 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

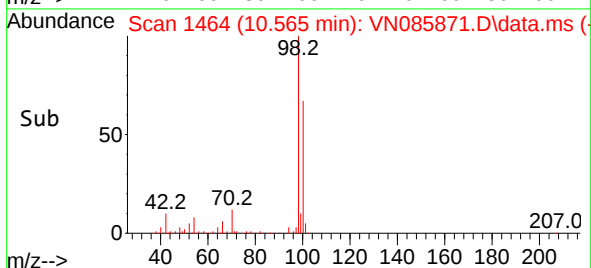
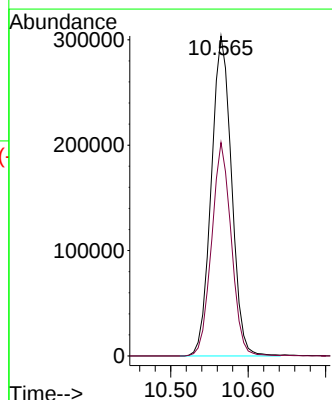
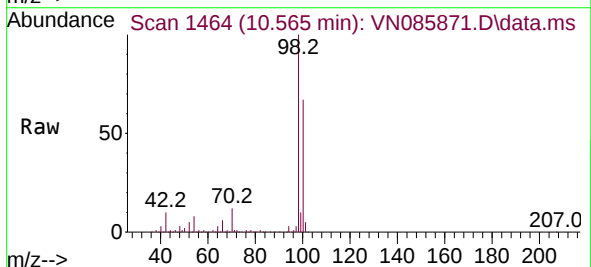


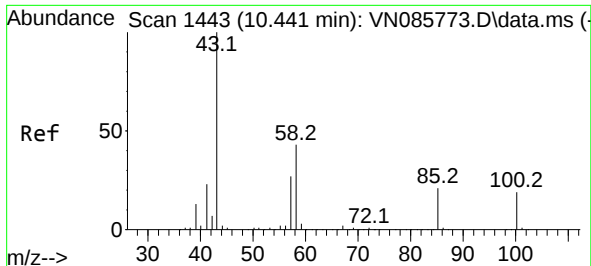
Tgt Ion:117 Resp: 28161
Ion Ratio Lower Upper
117 100
119 6.6 73.8 110.6#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 46.545 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Tgt Ion: 98 Resp: 552142
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1

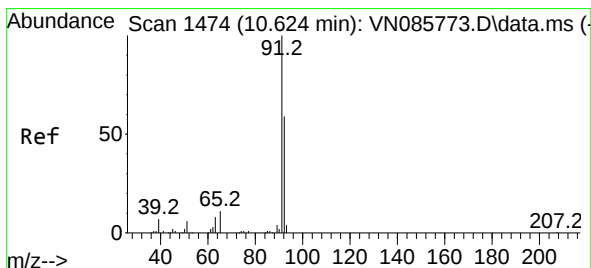
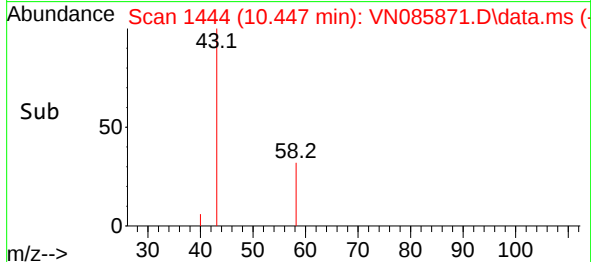
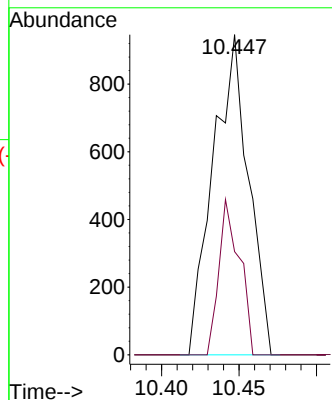
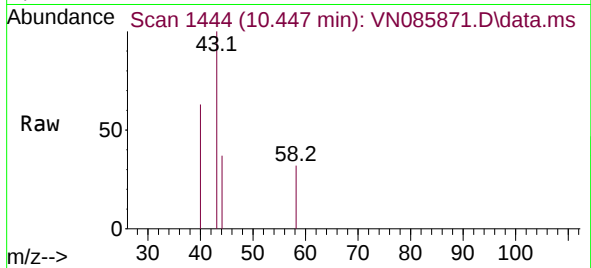




#51
4-Methyl-2-Pentanone
Concen: 0.411 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

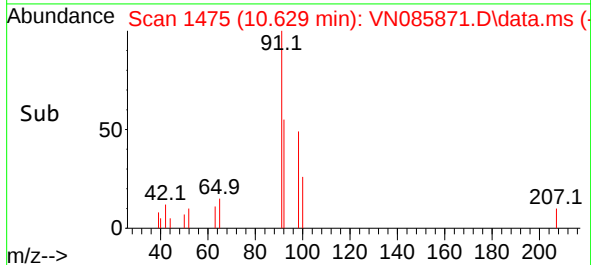
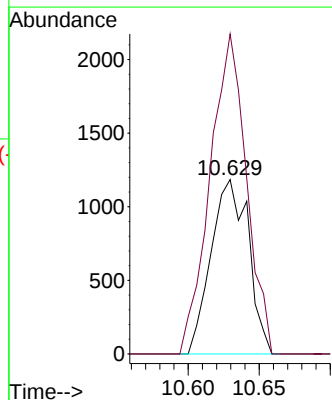
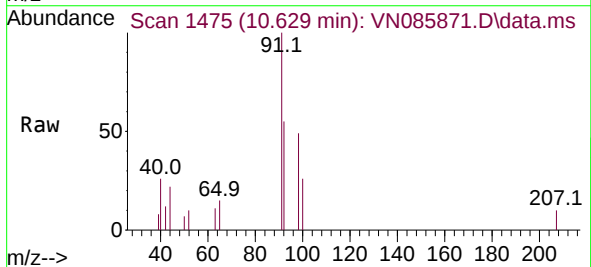
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

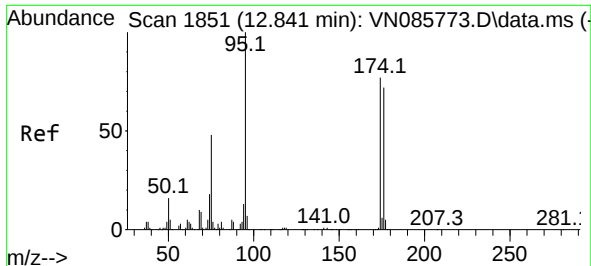
Tgt Ion: 43 Resp: 1506
Ion Ratio Lower Upper
43 100
58 28.3 34.6 52.0#



#52
Toluene
Concen: 0.250 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.006 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Tgt Ion: 92 Resp: 2167
Ion Ratio Lower Upper
92 100
91 178.8 136.9 205.3

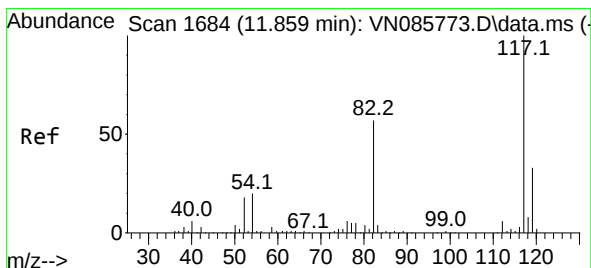
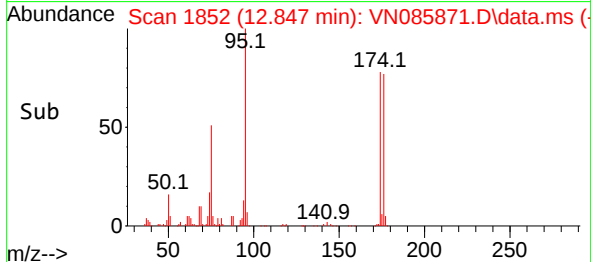
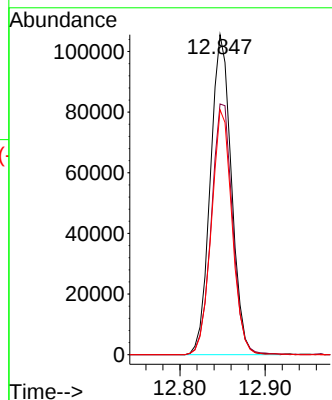
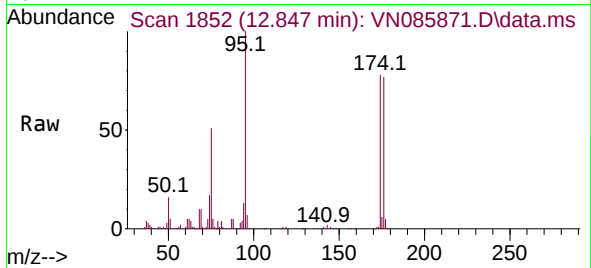




#62
4-Bromofluorobenzene
Concen: 46.273 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

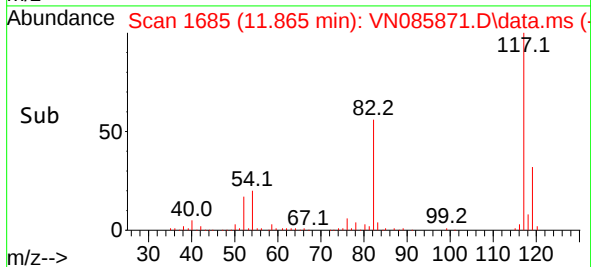
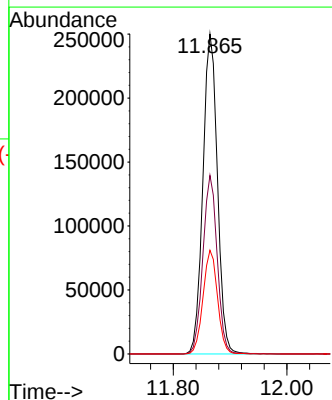
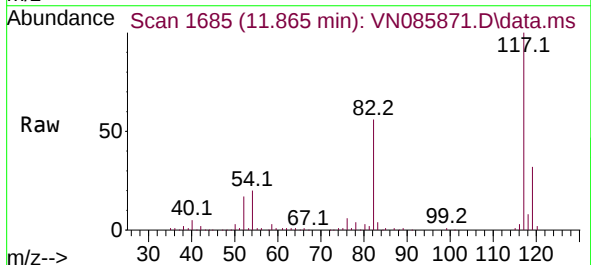
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

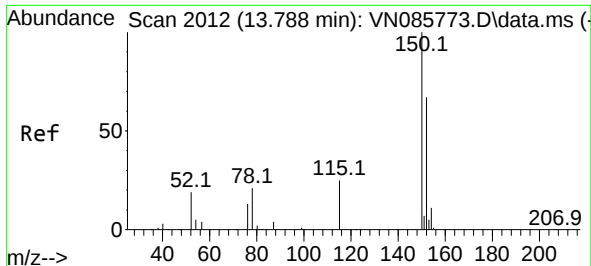
Tgt Ion: 95 Resp: 180855
Ion Ratio Lower Upper
95 100
174 79.1 0.0 152.4
176 75.1 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Tgt Ion: 117 Resp: 443623
Ion Ratio Lower Upper
117 100
82 55.8 45.7 68.5
119 32.4 26.2 39.2

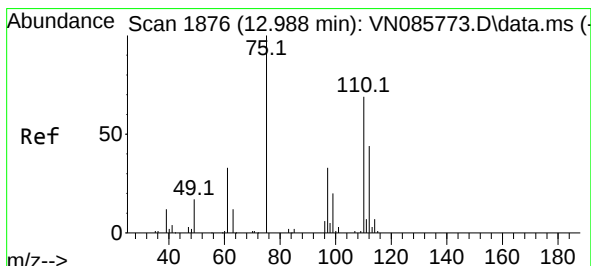
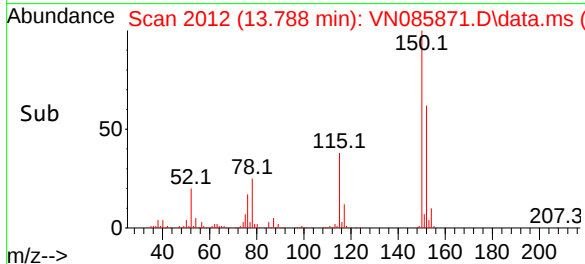
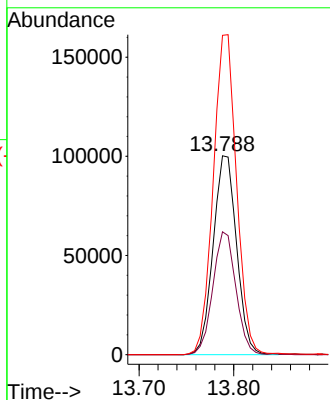
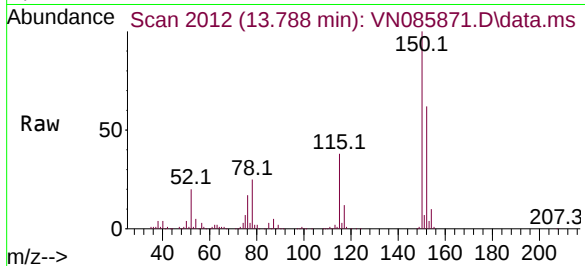




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

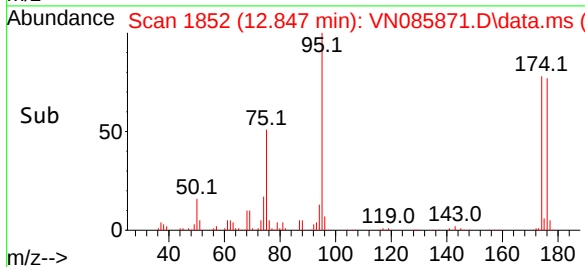
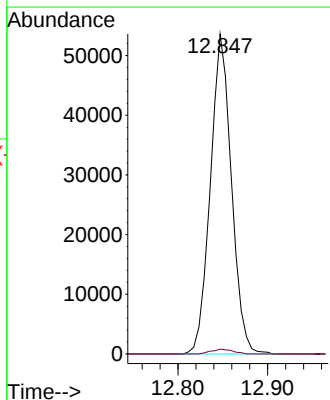
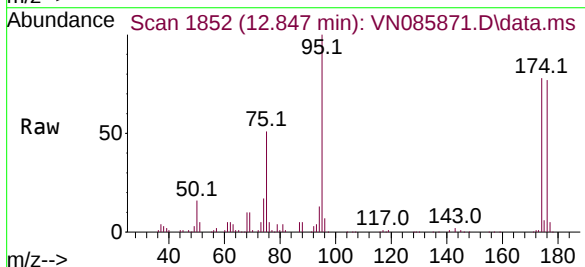
Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

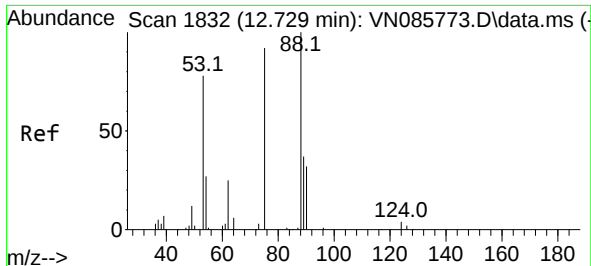
Tgt Ion:152 Resp: 172512
Ion Ratio Lower Upper
152 100
115 60.6 30.4 91.3
150 160.5 0.0 345.4



#76
1,2,3-Trichloropropane
Concen: 22.799 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Tgt Ion: 75 Resp: 87369
Ion Ratio Lower Upper
75 100
77 1.5 100.0 300.0#

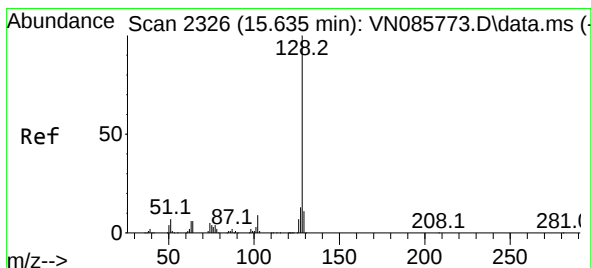
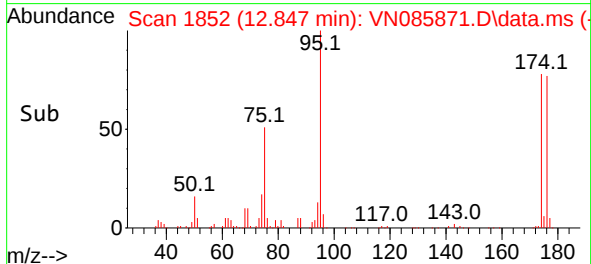
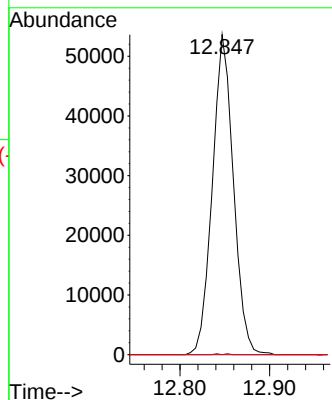
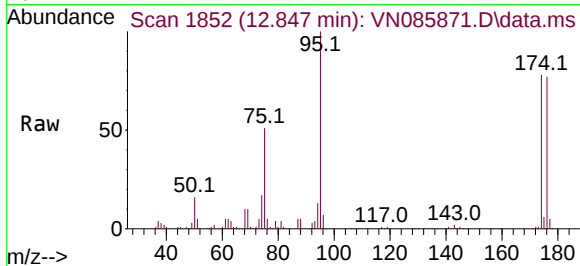




#81
trans-1,4-Dichloro-2-butene
Concen: 66.523 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
P001-CLAY-CF02-01

Tgt Ion: 75 Resp: 87369
Ion Ratio Lower Upper
75 100
53 0.1 74.2 111.4#
89 0.0 34.9 52.3#



#95
Naphthalene
Concen: 0.280 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.012 min
Lab File: VN085871.D
Acq: 26 Feb 2025 15:08

Tgt Ion: 128 Resp: 2107
Ion Ratio Lower Upper
128 100
127 3.9 10.2 15.2#
129 5.4 8.7 13.1#

