

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
 Data File : VN085817.D
 Acq On : 21 Feb 2025 21:02
 Operator : JC\MD
 Sample : Q1397-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STOCK-PILE

Quant Time: Feb 22 02:42:43 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)

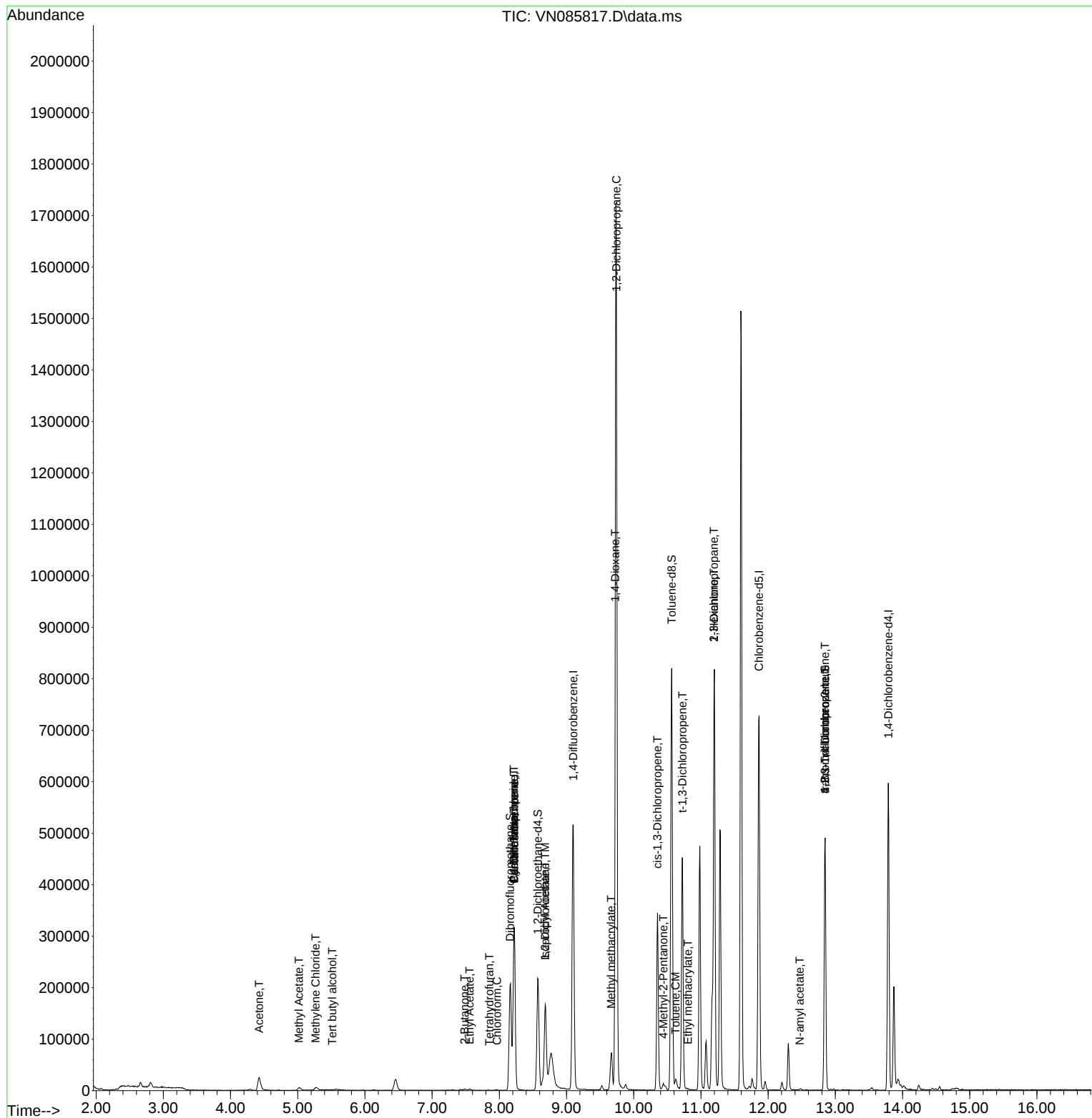
Internal Standards						
1) Pentafluorobenzene	8.224	168	231242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	456875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	436150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	180129	60.084	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 120.160%	
35) Dibromofluoromethane	8.159	113	152801	51.111	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.220%	
50) Toluene-d8	10.565	98	578744	53.208	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.420%	
62) 4-Bromofluorobenzene	12.847	95	173697	48.468	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 96.940%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.512	59	423	1.147	ug/l #	72
16) Acetone	4.424	43	47901	50.496	ug/l	92
18) Methyl Acetate	5.018	43	10654	3.265	ug/l	94
20) Methylene Chloride	5.265	84	3955	1.296	ug/l	86
25) 2-Butanone	7.483	43	4270	3.060	ug/l #	65
29) Tetrahydrofuran	7.853	42	480	0.533	ug/l #	29
30) Chloroform	7.965	83	1573	0.294	ug/l	91
31) Cyclohexane	8.218	56	4977	1.162	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	19029	4.497	ug/l #	49
37) Ethyl Acetate	7.559	43	4362	1.253	ug/l #	88
38) Carbon Tetrachloride	8.218	117	24190	4.812	ug/l #	20
42) 1,2-Dichloroethane	8.683	62	1392	0.315	ug/l #	73
43) Isopropyl Acetate	8.683	43	196914	32.028	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	2137	0.653	ug/l #	43
48) Methyl methacrylate	9.665	41	5260	2.034	ug/l #	50
49) 1,4-Dioxane	9.724	88	63	1.281	ug/l #	24
51) 4-Methyl-2-Pentanone	10.441	43	13009	3.875	ug/l #	69
52) Toluene	10.624	92	7963	1.002	ug/l	96
53) t-1,3-Dichloropropene	10.724	75	1187	0.260	ug/l	97
54) cis-1,3-Dichloropropene	10.353	75	60404	12.060	ug/l #	65
56) Ethyl methacrylate	10.806	69	111	0.487	ug/l #	30
57) 1,3-Dichloropropane	11.194	76	8793	1.667	ug/l #	42
59) 2-Hexanone	11.194	43	104815	45.385	ug/l #	52
74) N-amyl acetate	12.471	43	2768	0.697	ug/l #	37
76) 1,2,3-Trichloropropane	12.847	75	87029	23.845	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87029	69.573	ug/l #	13

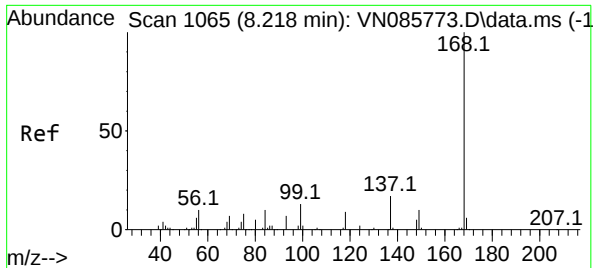
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022125\
Data File : VN085817.D
Acq On : 21 Feb 2025 21:02
Operator : JC\MD
Sample : Q1397-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

Quant Time: Feb 22 02:42:43 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

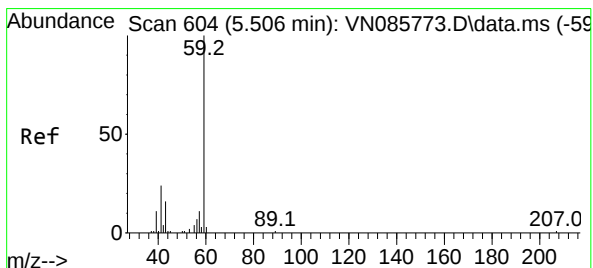
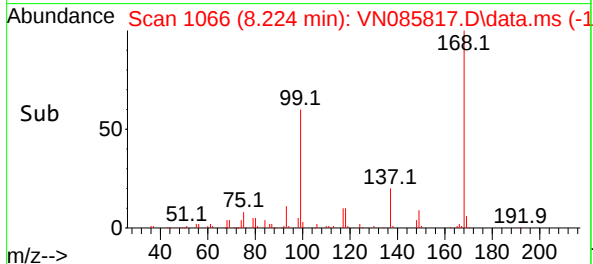
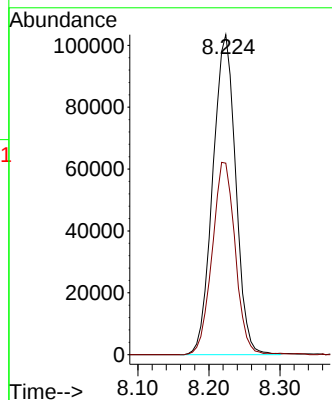
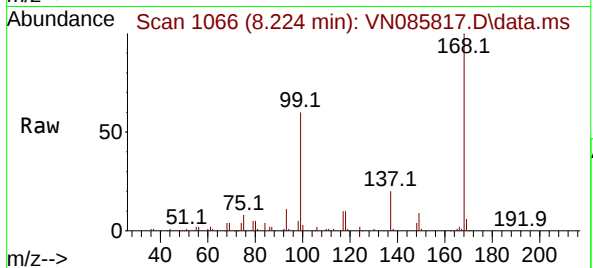




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

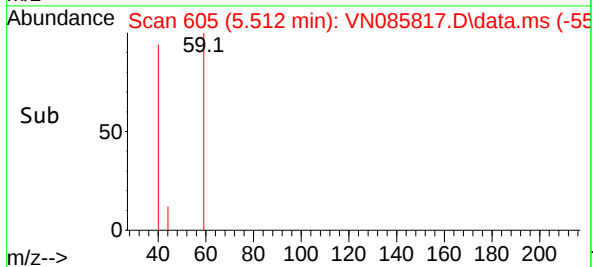
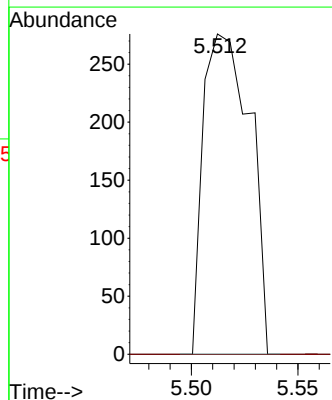
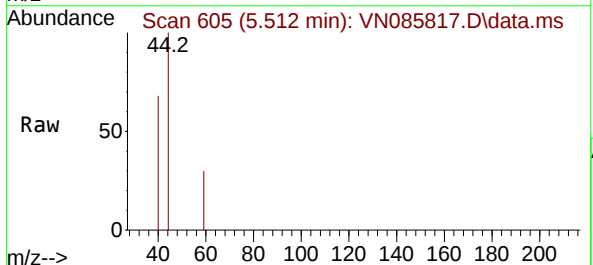
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

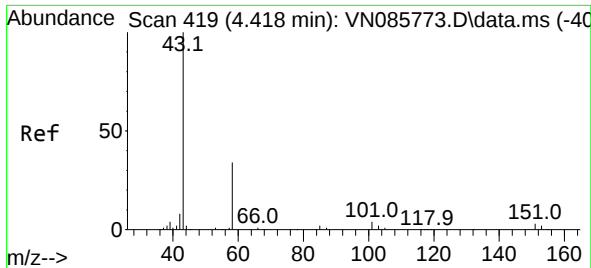
Tgt Ion:168 Resp: 231242
Ion Ratio Lower Upper
168 100
99 59.9 47.9 71.9



#11
Tert butyl alcohol
Concen: 1.147 ug/l
RT: 5.512 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Tgt Ion: 59 Resp: 423
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

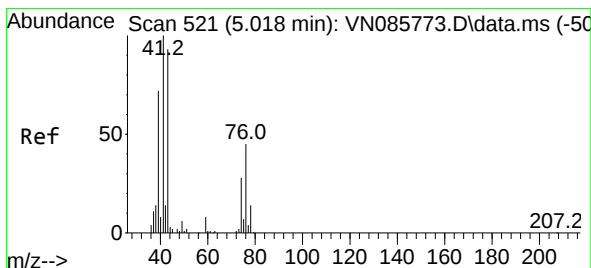
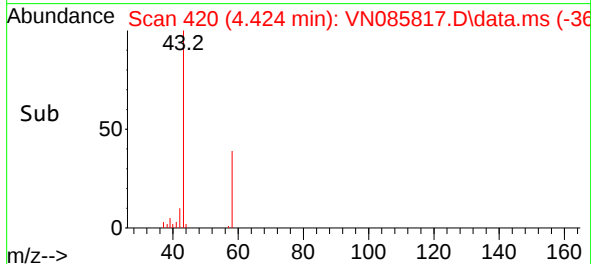
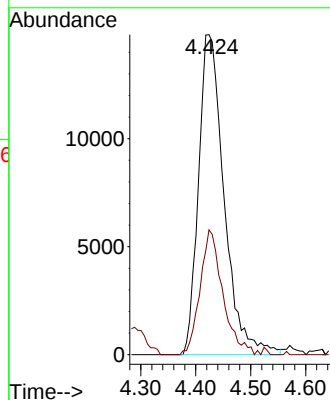
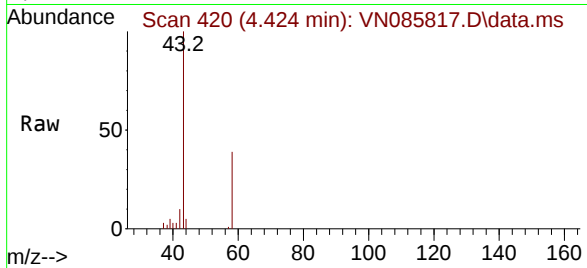




#16
Acetone
Concen: 50.496 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

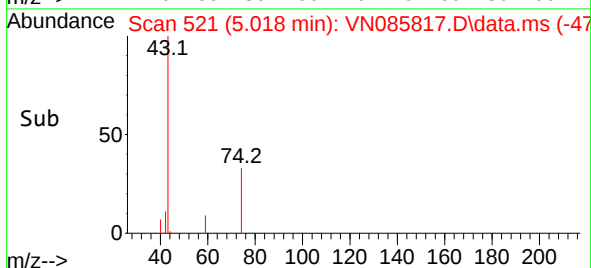
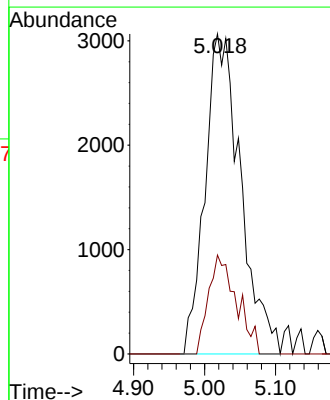
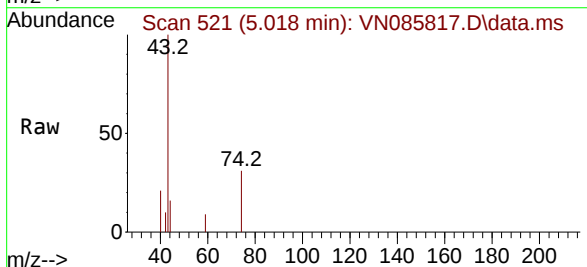
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

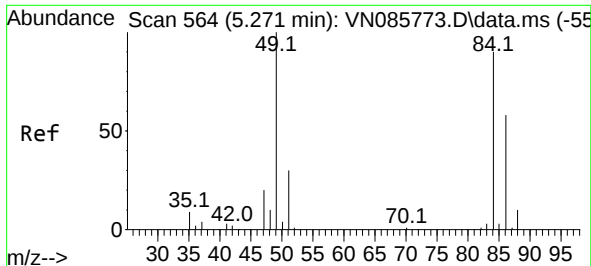
Tgt Ion: 43 Resp: 47901
Ion Ratio Lower Upper
43 100
58 39.0 27.5 41.3



#18
Methyl Acetate
Concen: 3.265 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Tgt Ion: 43 Resp: 10654
Ion Ratio Lower Upper
43 100
74 24.4 22.2 33.4

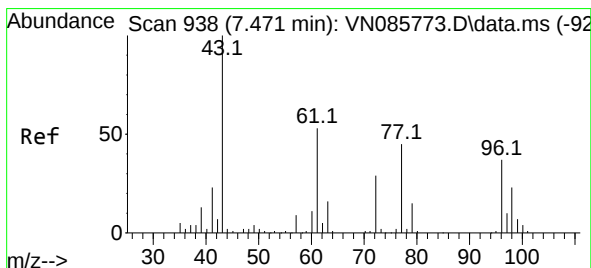
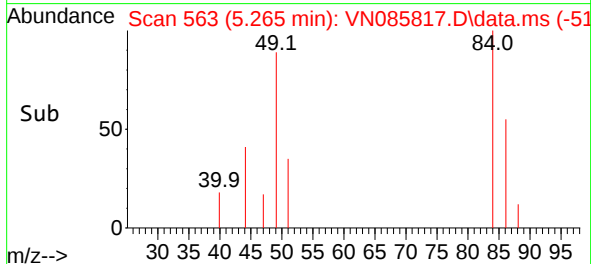
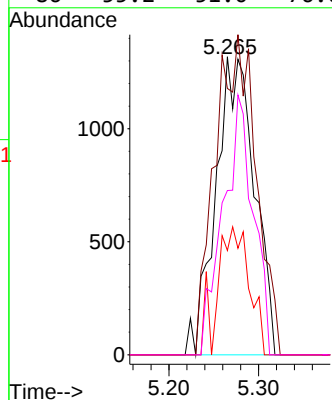
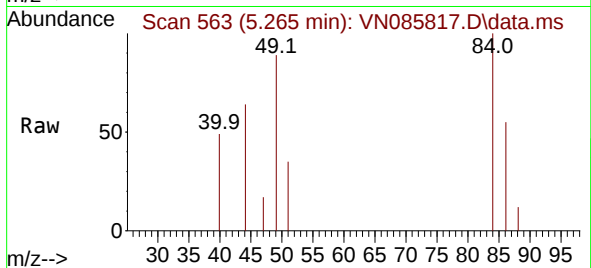




#20
Methylene Chloride
Concen: 1.296 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

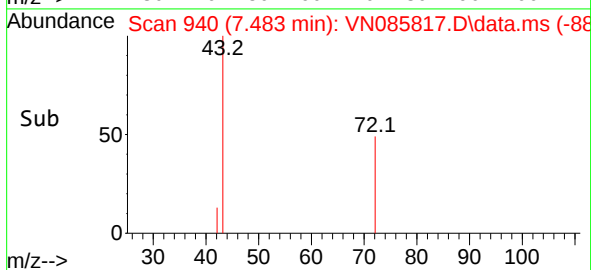
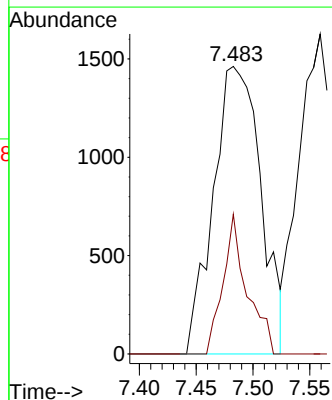
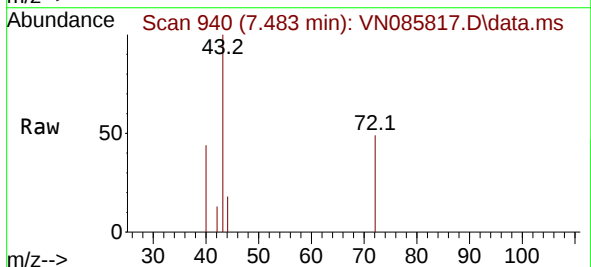
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

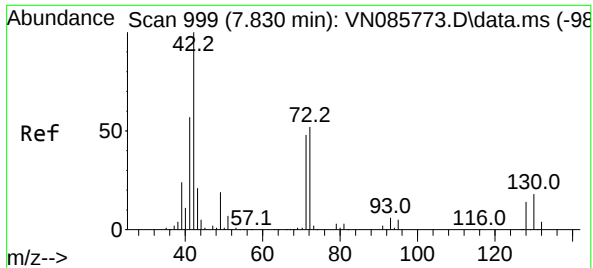
Tgt Ion: 84	Resp:	3955	
Ion	Ratio	Lower	Upper
84	100		
49	89.4	88.4	132.6
51	35.0	26.6	40.0
86	55.2	51.0	76.6



#25
2-Butanone
Concen: 3.060 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.012 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Tgt Ion: 43	Resp:	4270	
Ion	Ratio	Lower	Upper
43	100		
72	48.6	23.6	35.4#

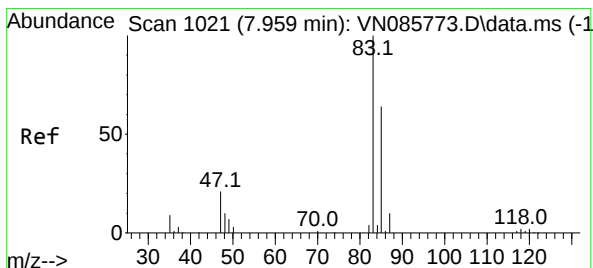
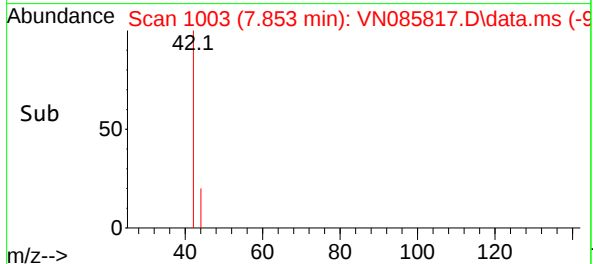
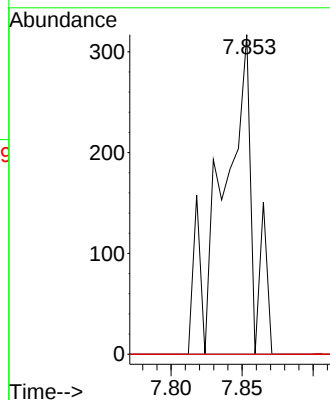
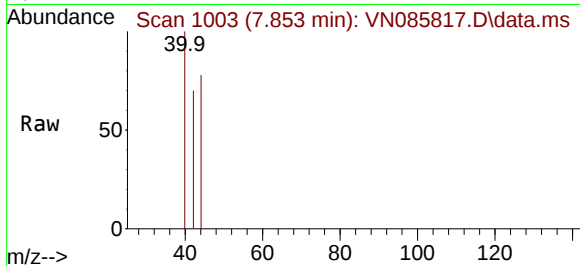




#29
Tetrahydrofuran
Concen: 0.533 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.024 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

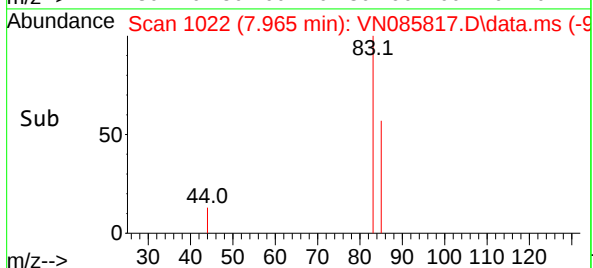
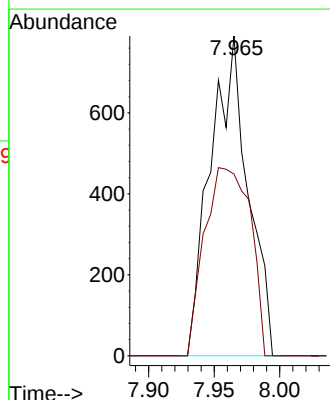
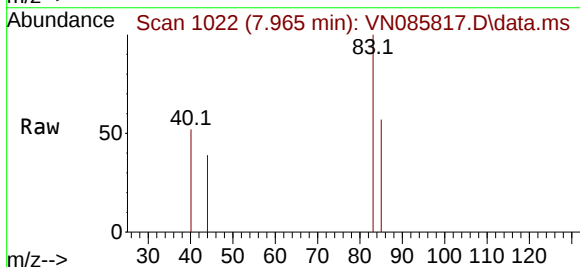
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

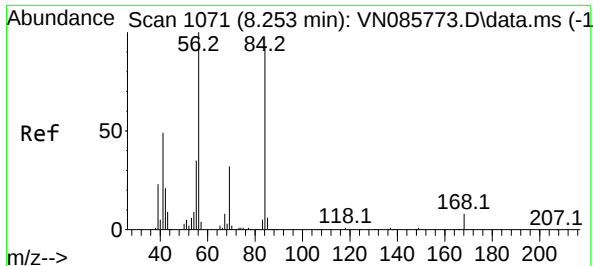
Tgt Ion: 42 Resp: 480
Ion Ratio Lower Upper
42 100
72 0.0 40.0 60.0#
71 0.0 37.0 55.4#



#30
Chloroform
Concen: 0.294 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.006 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Tgt Ion: 83 Resp: 1573
Ion Ratio Lower Upper
83 100
85 56.8 50.9 76.3

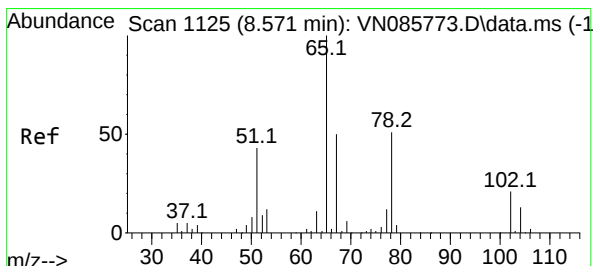
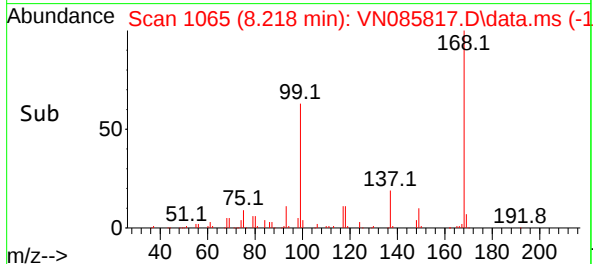
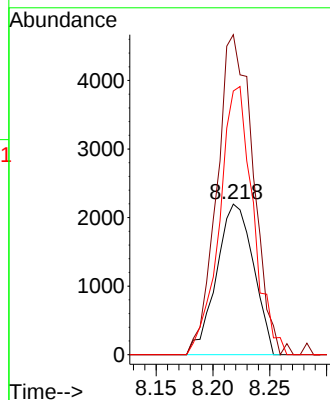
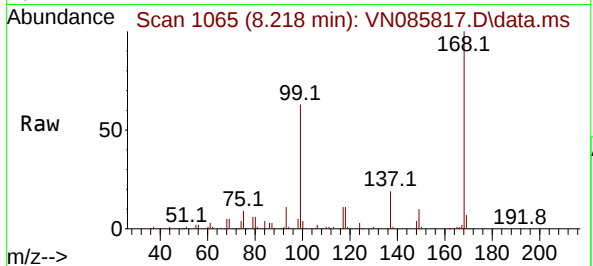




#31
Cyclohexane
Concen: 1.162 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

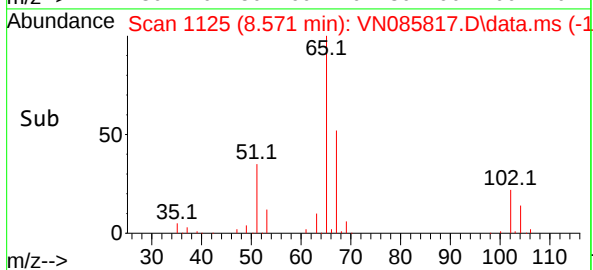
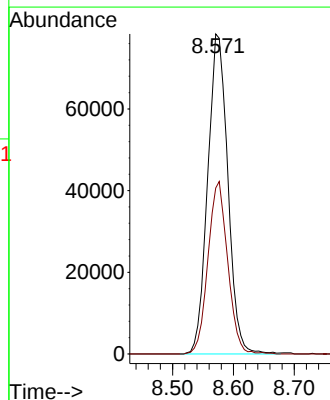
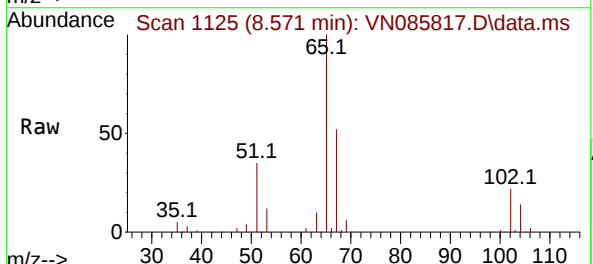
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

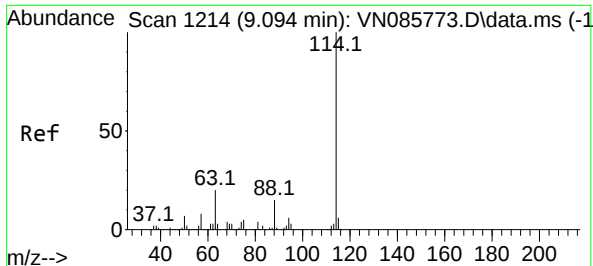
Tgt Ion: 56 Resp: 4977
Ion Ratio Lower Upper
56 100
69 212.5 25.8 38.6#
84 175.1 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 60.084 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. 0.000 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Tgt Ion: 65 Resp: 180129
Ion Ratio Lower Upper
65 100
67 52.6 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: VN085817.D

Acq: 21 Feb 2025 21:02

Instrument :

MSVOA_N

ClientSampleId :

STOCK-PILE

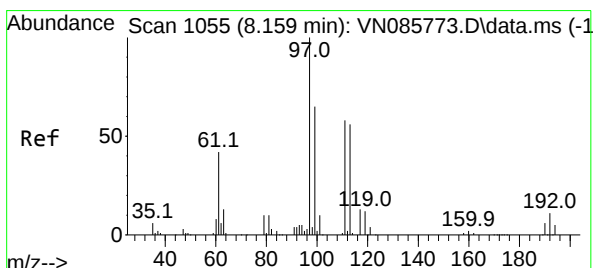
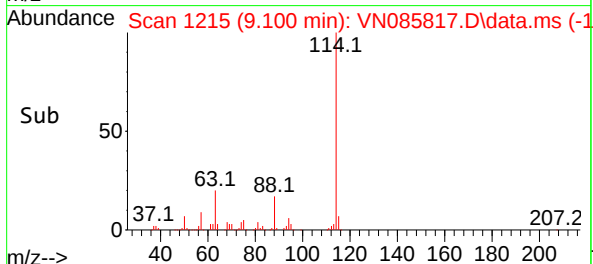
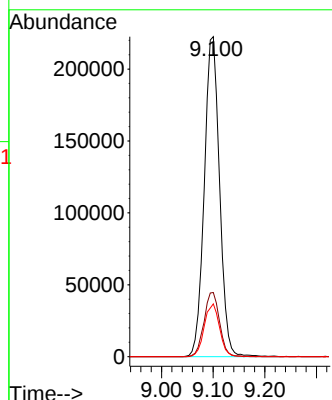
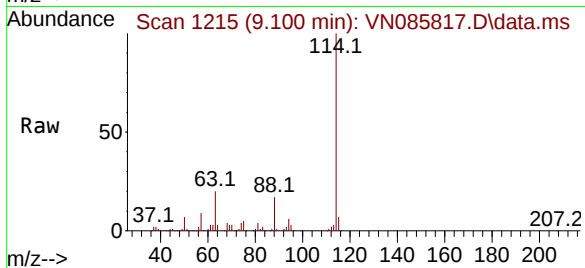
Tgt Ion:114 Resp: 456875

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.2

88 16.5 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.111 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

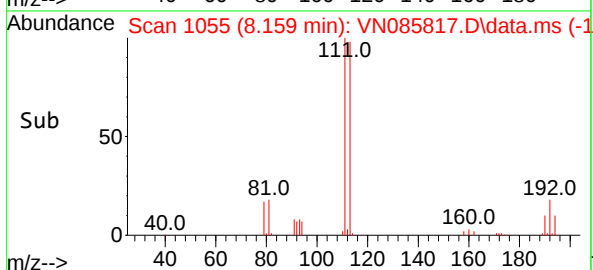
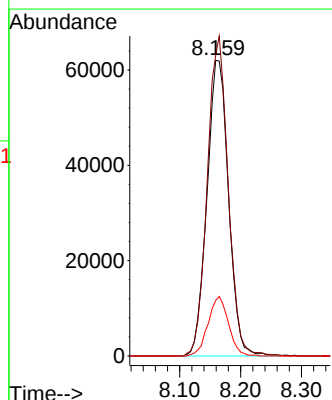
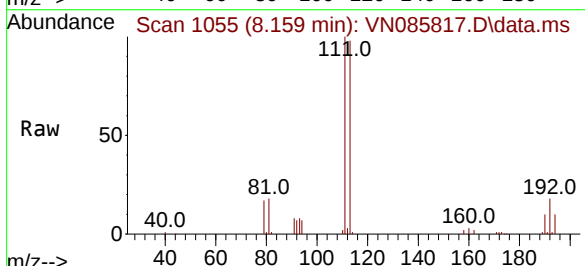
Tgt Ion:113 Resp: 152801

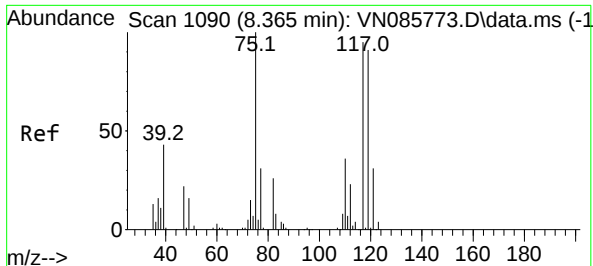
Ion Ratio Lower Upper

113 100

111 104.5 82.2 123.4

192 19.0 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.497 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

Instrument :

MSVOA_N

ClientSampleId :

STOCK-PILE

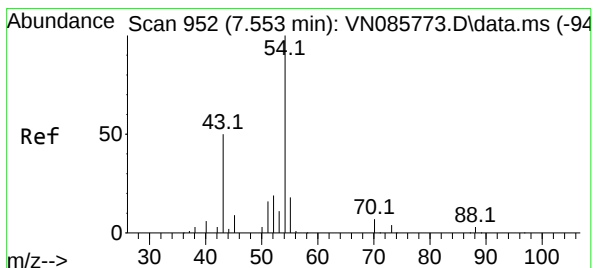
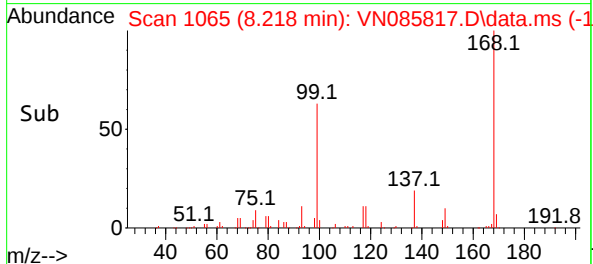
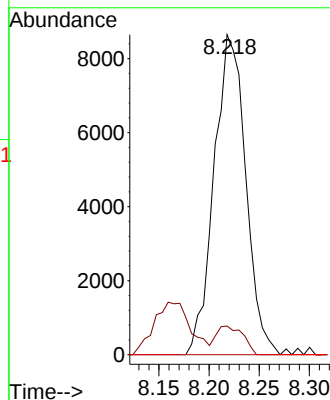
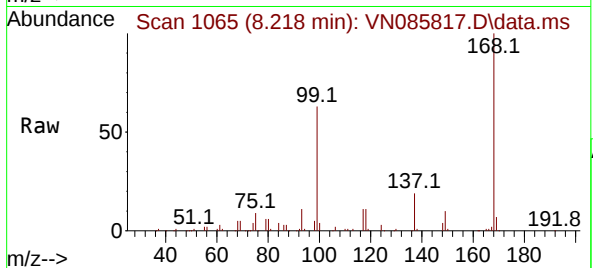
Tgt Ion: 75 Resp: 19029

Ion Ratio Lower Upper

75 100

110 7.6 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 1.253 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.006 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

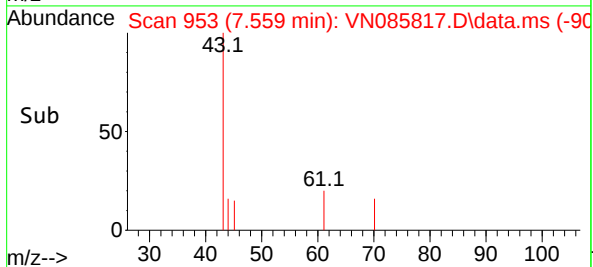
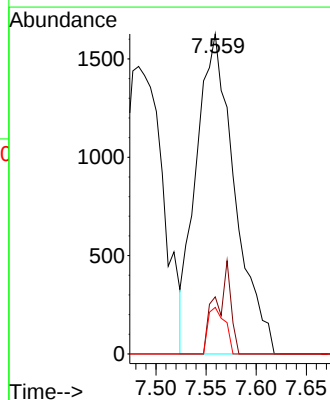
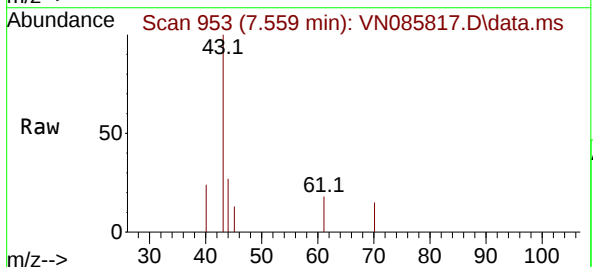
Tgt Ion: 43 Resp: 4362

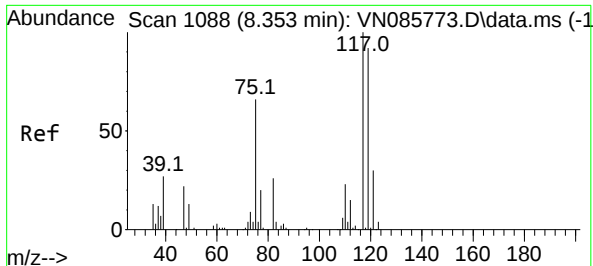
Ion Ratio Lower Upper

43 100

61 11.1 12.2 18.2#

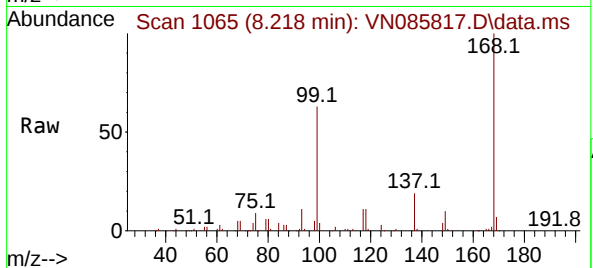
70 6.4 9.5 14.3#



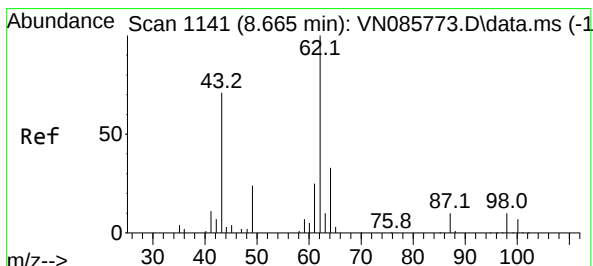
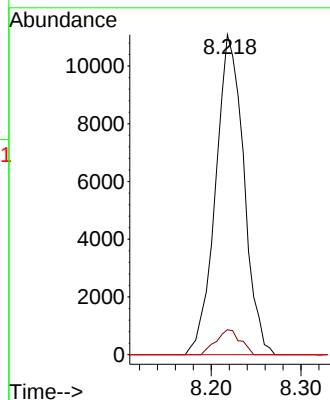
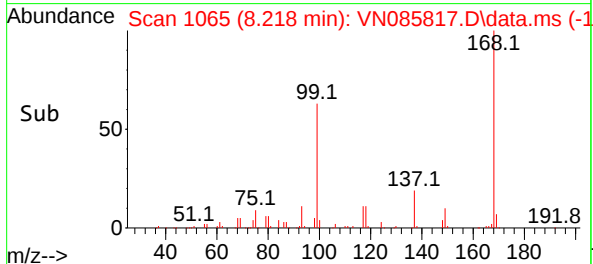


#38
Carbon Tetrachloride
Concen: 4.812 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

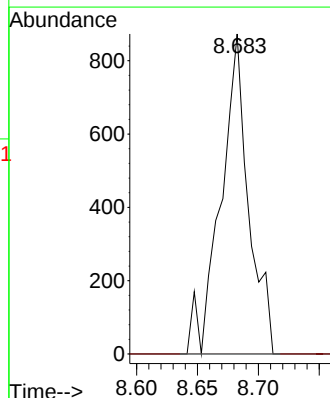
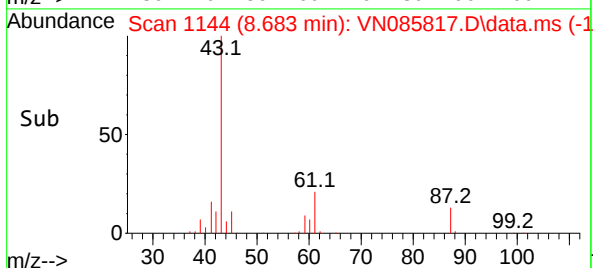
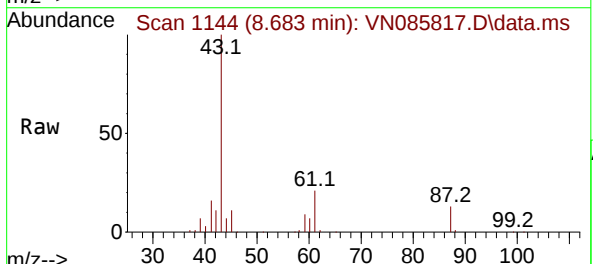


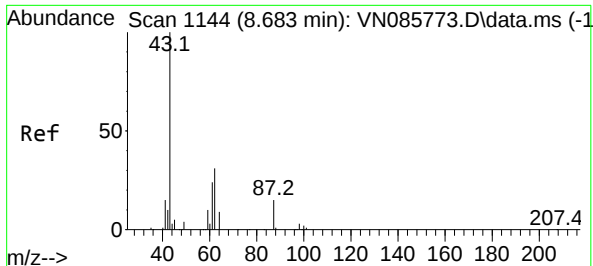
Tgt Ion:117 Resp: 24190
Ion Ratio Lower Upper
117 100
119 7.8 73.8 110.6#
121 0.0 24.3 36.5#



#42
1,2-Dichloroethane
Concen: 0.315 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.018 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Tgt Ion: 62 Resp: 1392
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

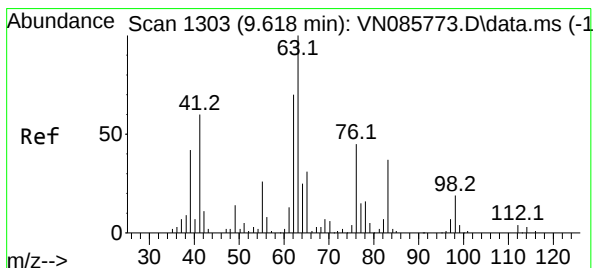
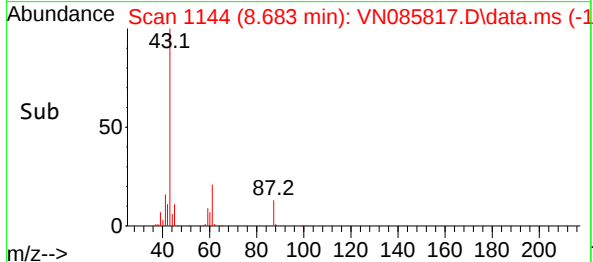
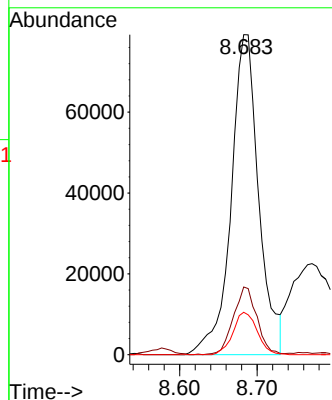
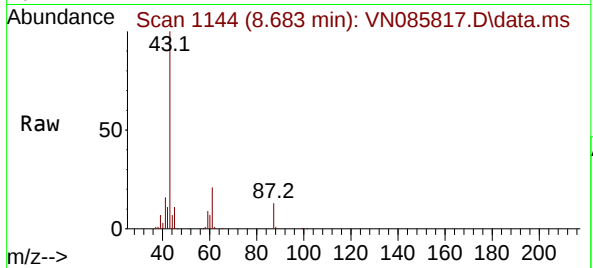




#43
Isopropyl Acetate
Concen: 32.028 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.000 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

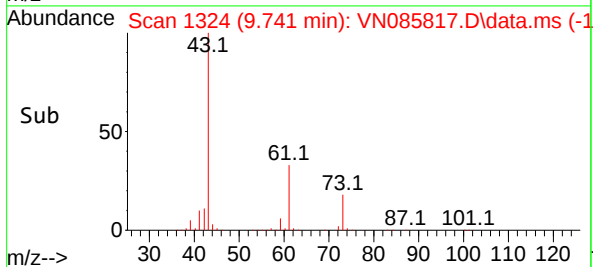
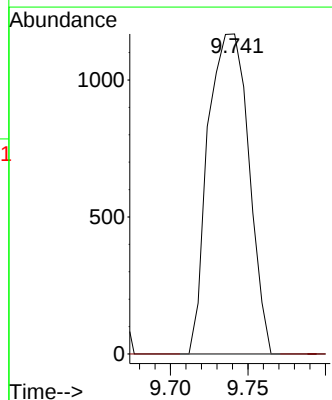
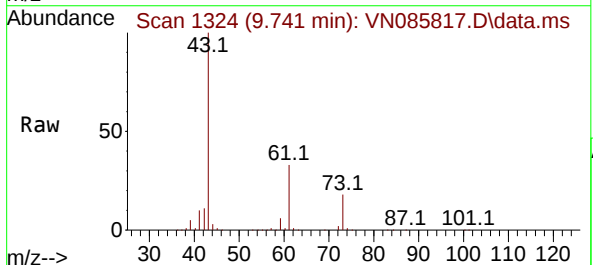
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

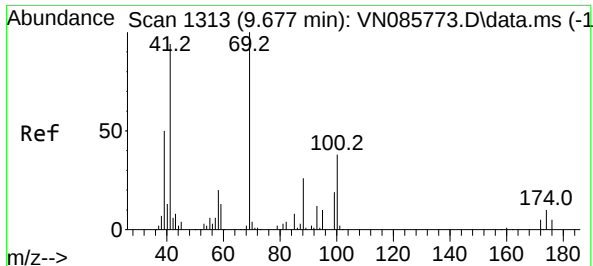
Tgt Ion: 43 Resp: 196914
Ion Ratio Lower Upper
43 100
61 18.0 22.6 34.0#
87 11.6 11.8 17.8#



#45
1,2-Dichloropropane
Concen: 0.653 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.124 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Tgt Ion: 63 Resp: 2137
Ion Ratio Lower Upper
63 100
65 0.0 25.1 37.7#





#48

Methyl methacrylate

Concen: 2.034 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

Instrument :

MSVOA_N

ClientSampleId :

STOCK-PILE

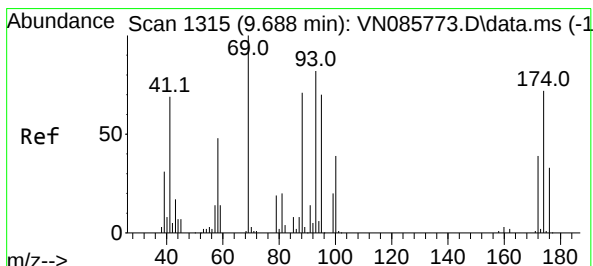
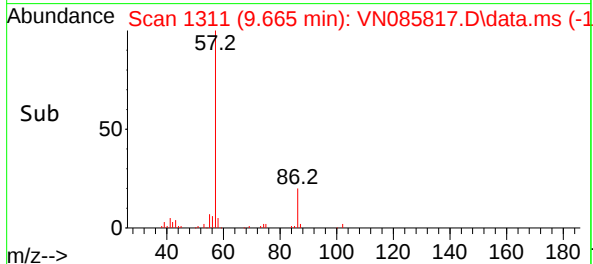
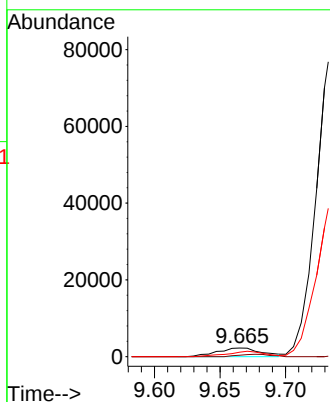
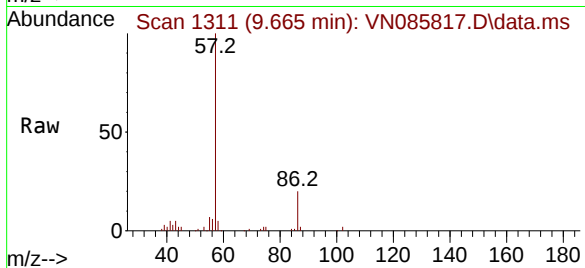
Tgt Ion: 41 Resp: 5260

Ion Ratio Lower Upper

41 100

69 19.5 76.0 114.0#

39 52.8 42.3 63.5



#49

1,4-Dioxane

Concen: 1.281 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.036 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

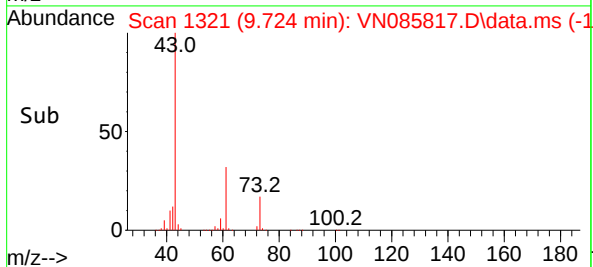
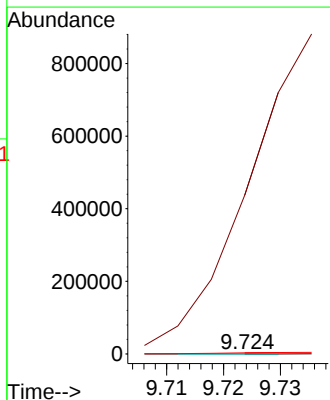
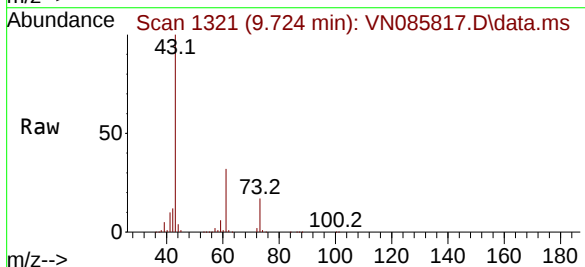
Tgt Ion: 88 Resp: 63

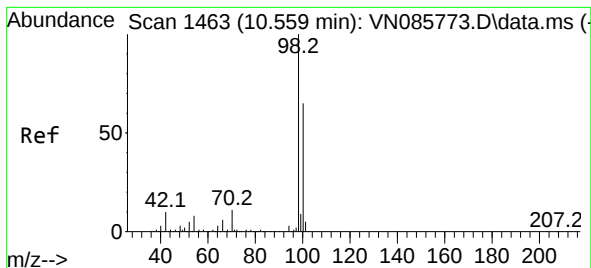
Ion Ratio Lower Upper

88 100

43 0.0 18.6 27.8#

58 0.0 56.7 85.1#





#50

Toluene-d8

Concen: 53.208 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.006 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

Instrument :

MSVOA_N

ClientSampleId :

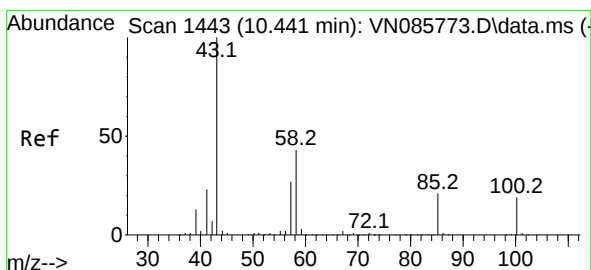
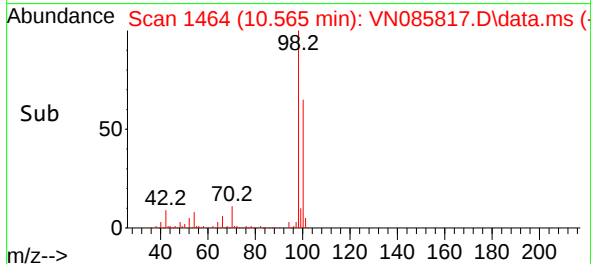
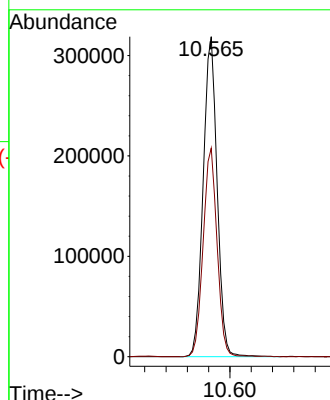
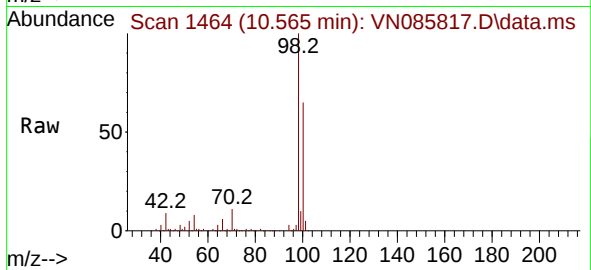
STOCK-PILE

Tgt Ion: 98 Resp: 578744

Ion Ratio Lower Upper

98 100

100 65.0 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 3.875 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN085817.D

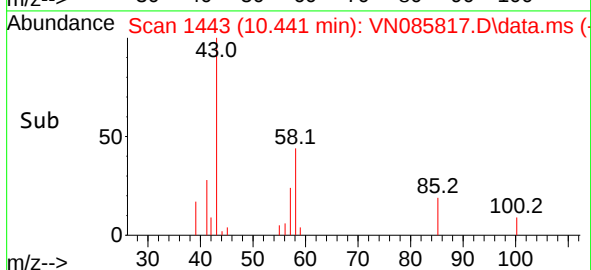
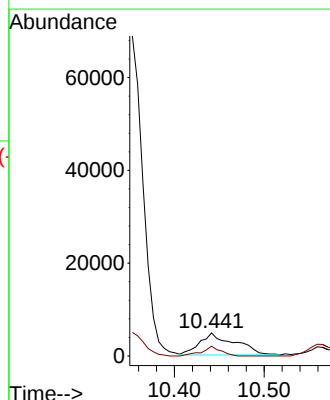
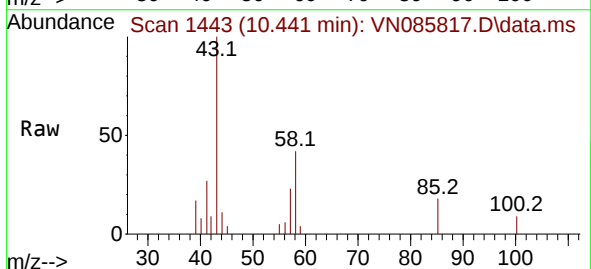
Acq: 21 Feb 2025 21:02

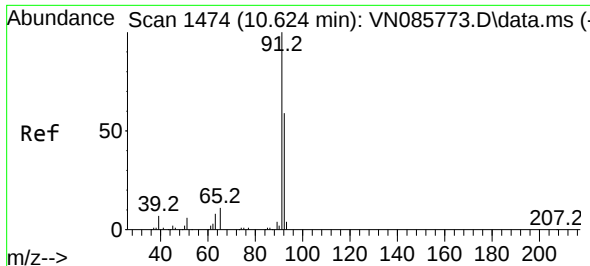
Tgt Ion: 43 Resp: 13009

Ion Ratio Lower Upper

43 100

58 23.3 34.6 52.0#

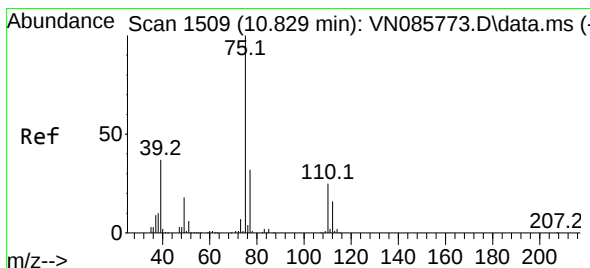
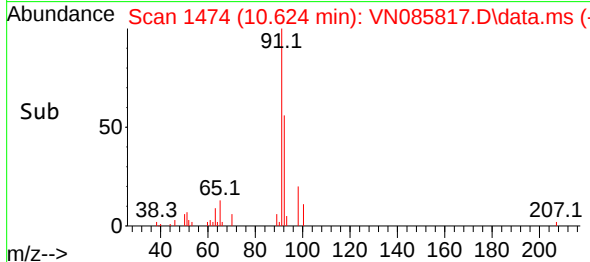
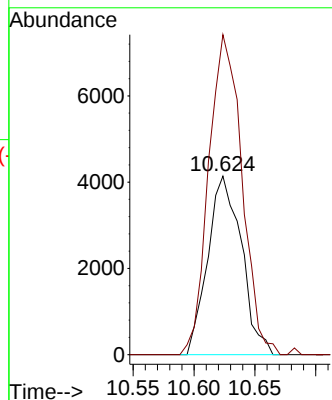
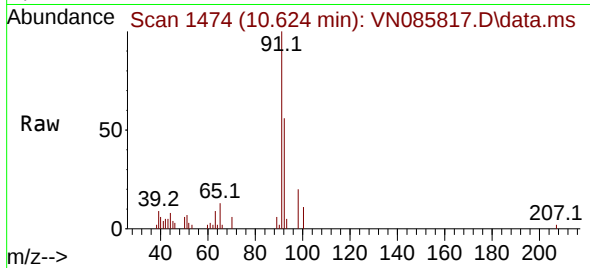




#52
Toluene
Concen: 1.002 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

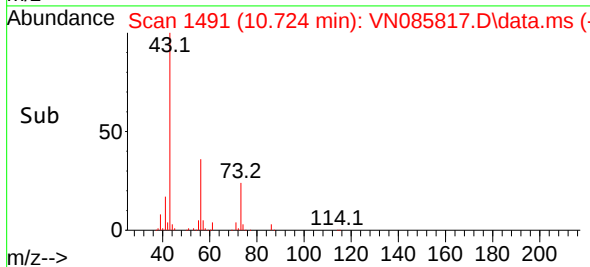
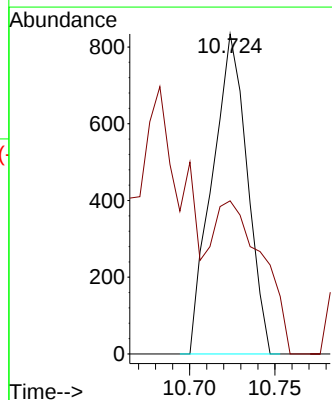
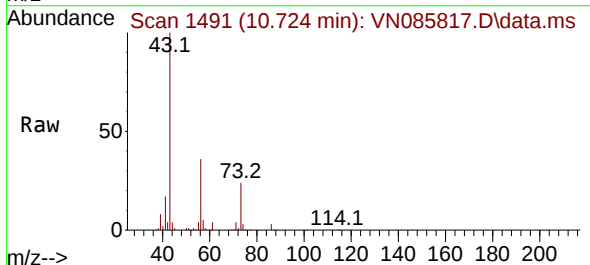
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

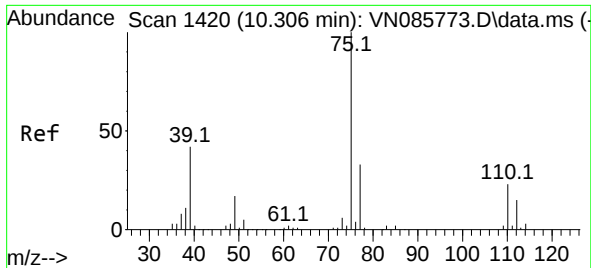
Tgt Ion: 92 Resp: 7963
Ion Ratio Lower Upper
92 100
91 176.8 136.9 205.3



#53
t-1,3-Dichloropropene
Concen: 0.260 ug/l
RT: 10.724 min Scan# 1491
Delta R.T. -0.105 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Tgt Ion: 75 Resp: 1187
Ion Ratio Lower Upper
75 100
77 29.9 25.4 38.0

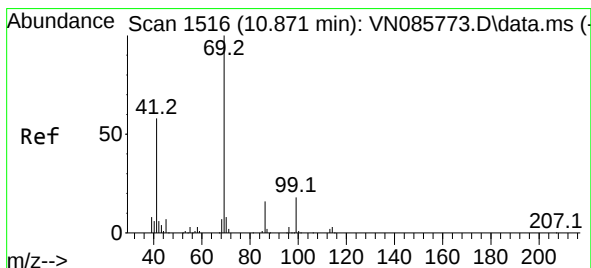
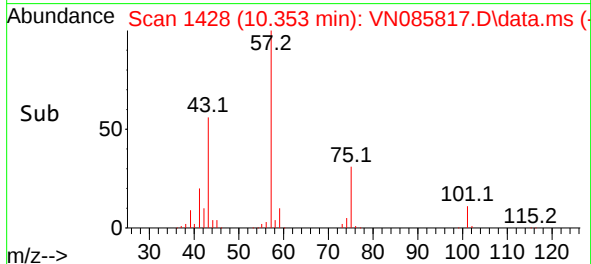
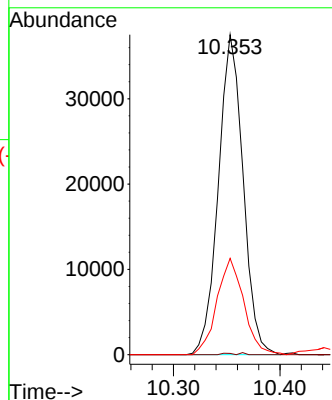
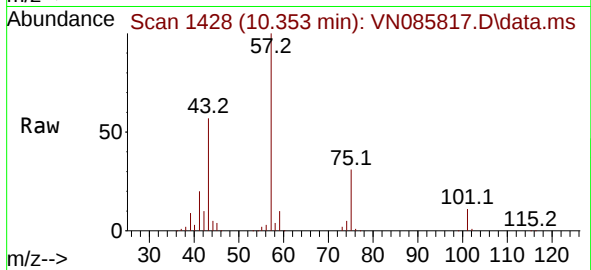




#54
 cis-1,3-Dichloropropene
 Concen: 12.060 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.047 min
 Lab File: VN085817.D
 Acq: 21 Feb 2025 21:02

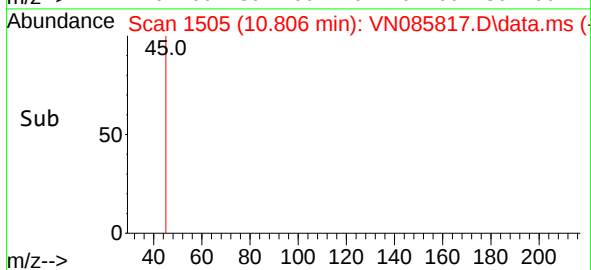
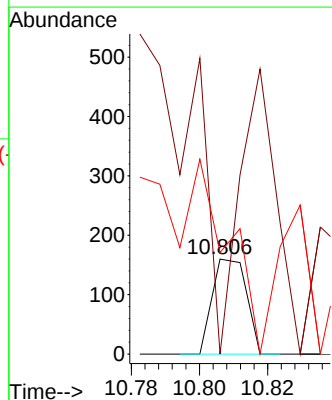
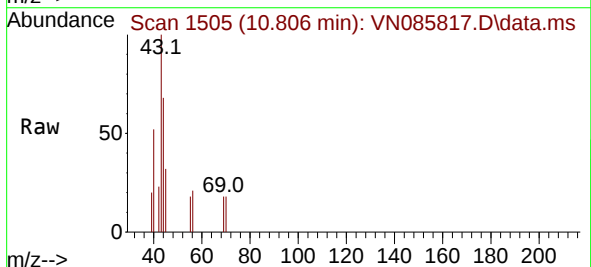
Instrument :
 MSVOA_N
 ClientSampleId :
 STOCK-PILE

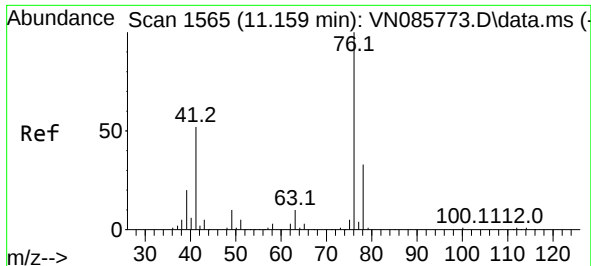
Tgt Ion: 75 Resp: 60404
 Ion Ratio Lower Upper
 75 100
 77 0.4 26.1 39.1#
 39 30.1 33.4 50.0#



#56
 Ethyl methacrylate
 Concen: 0.487 ug/l
 RT: 10.806 min Scan# 1505
 Delta R.T. -0.065 min
 Lab File: VN085817.D
 Acq: 21 Feb 2025 21:02

Tgt Ion: 69 Resp: 111
 Ion Ratio Lower Upper
 69 100
 41 0.0 46.0 69.0#
 39 0.0 22.0 33.0#





#57

1,3-Dichloropropane

Concen: 1.667 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.035 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

Instrument :

MSVOA_N

ClientSampleId :

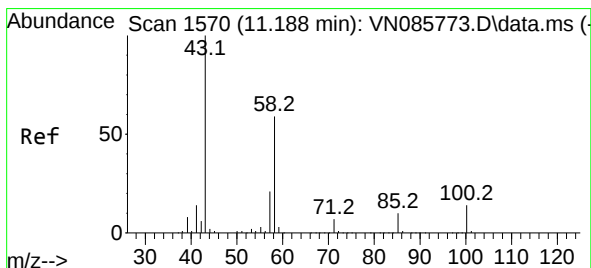
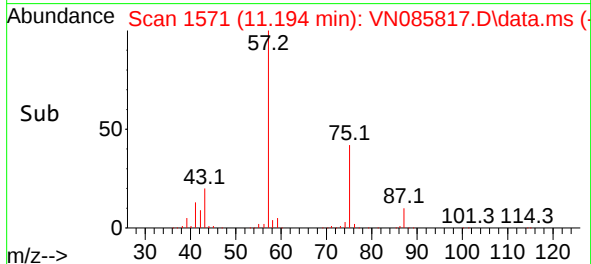
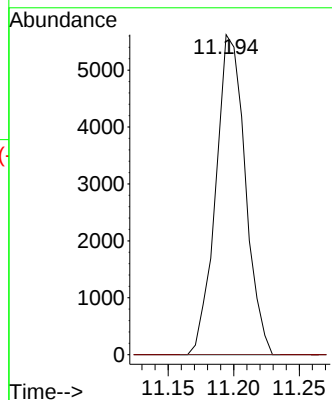
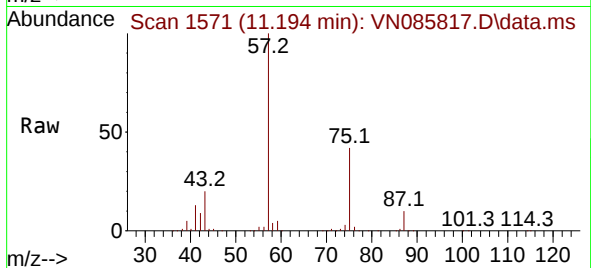
STOCK-PILE

Tgt Ion: 76 Resp: 8793

Ion Ratio Lower Upper

76 100

78 0.0 25.9 38.9#



#59

2-Hexanone

Concen: 45.385 ug/l

RT: 11.194 min Scan# 1571

Delta R.T. 0.006 min

Lab File: VN085817.D

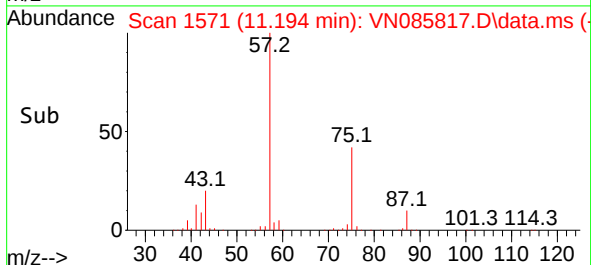
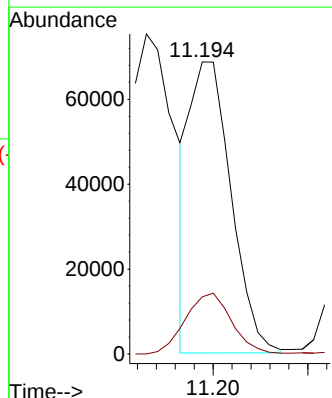
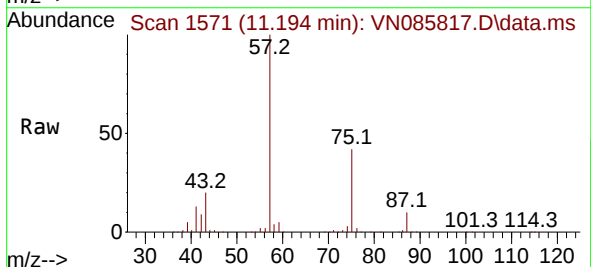
Acq: 21 Feb 2025 21:02

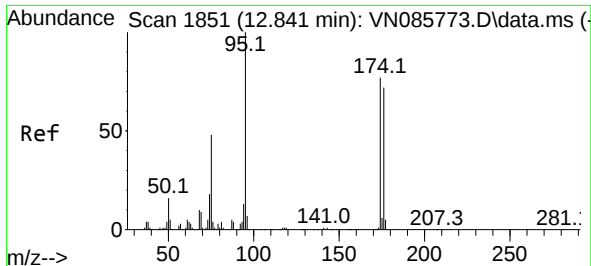
Tgt Ion: 43 Resp: 104815

Ion Ratio Lower Upper

43 100

58 23.2 29.8 89.5#

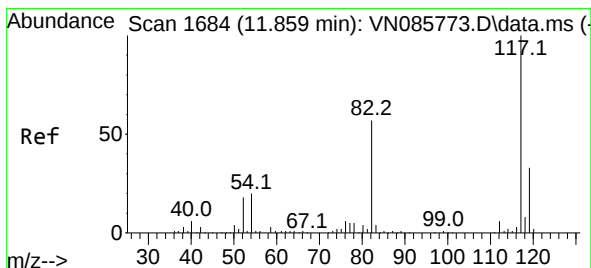
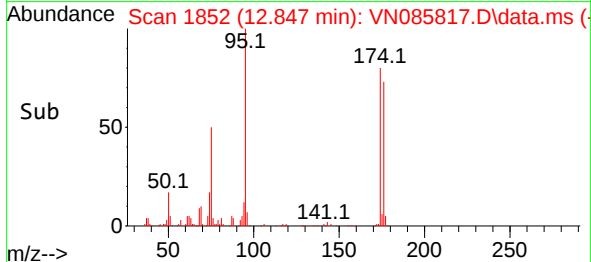
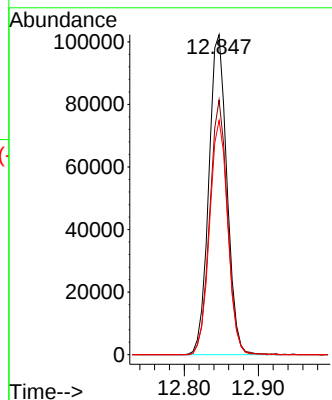
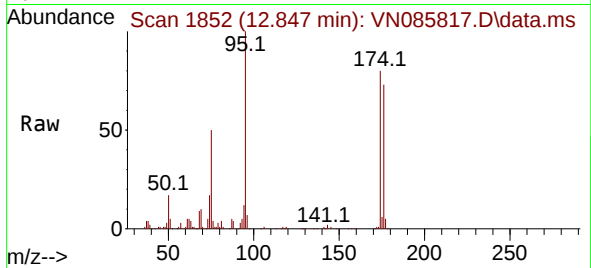




#62
4-Bromofluorobenzene
Concen: 48.468 ug/l
RT: 12.847 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

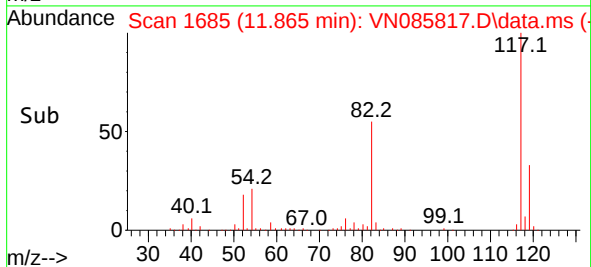
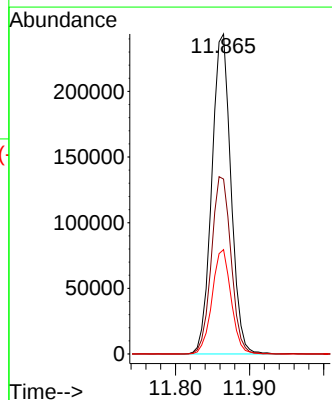
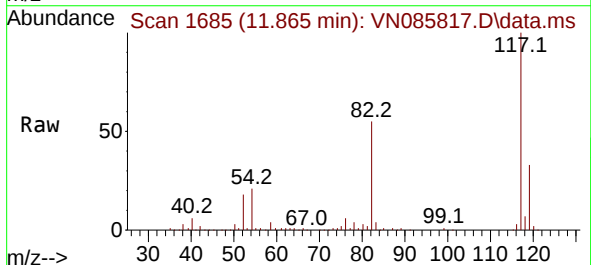
Instrument :
MSVOA_N
ClientSampleId :
STOCK-PILE

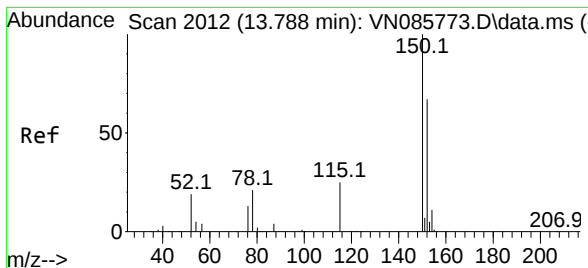
Tgt Ion: 95 Resp: 173697
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.4
176 73.5 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.006 min
Lab File: VN085817.D
Acq: 21 Feb 2025 21:02

Tgt Ion: 117 Resp: 436150
Ion Ratio Lower Upper
117 100
82 54.7 45.7 68.5
119 32.6 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN085817.D

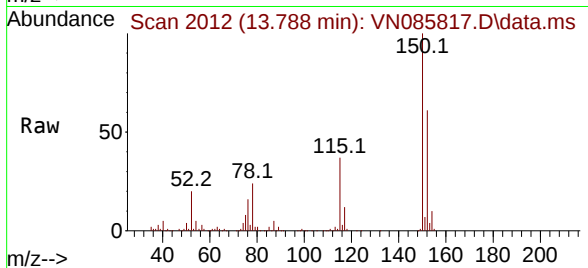
Acq: 21 Feb 2025 21:02

Instrument :

MSVOA_N

ClientSampleId :

STOCK-PILE



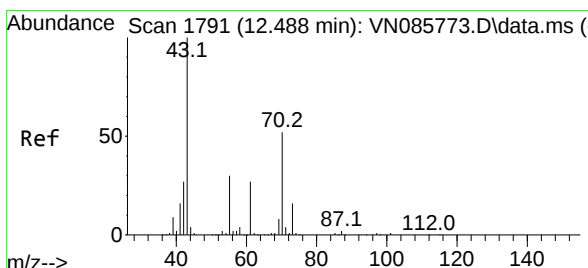
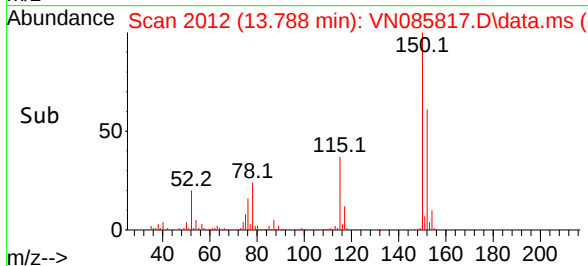
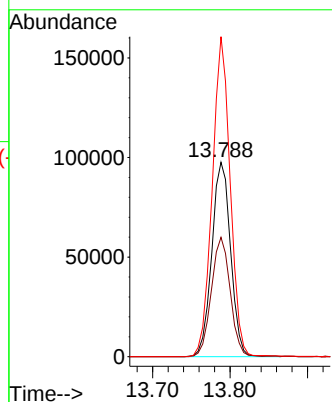
Tgt Ion:152 Resp: 164308

Ion Ratio Lower Upper

152 100

115 61.5 30.4 91.3

150 157.3 0.0 345.4



#74

N-ethyl acetate

Concen: 0.697 ug/l

RT: 12.471 min Scan# 1788

Delta R.T. -0.018 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

Tgt Ion: 43 Resp: 2768

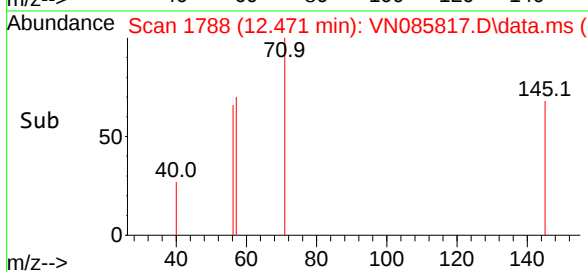
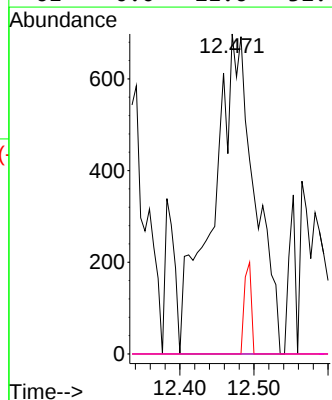
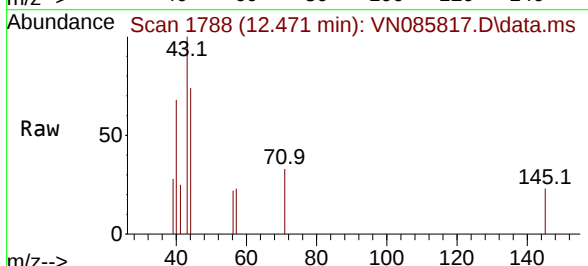
Ion Ratio Lower Upper

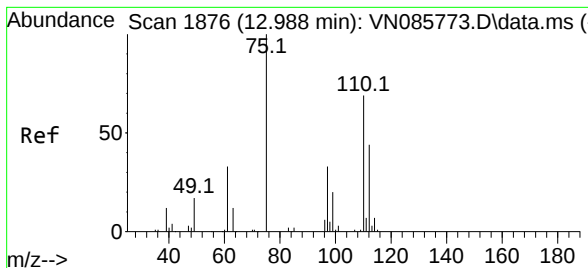
43 100

70 0.0 41.0 61.4#

55 0.0 24.6 36.8#

61 0.0 21.6 32.4#





#76

1,2,3-Trichloropropane

Concen: 23.845 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

Instrument :

MSVOA_N

ClientSampleId :

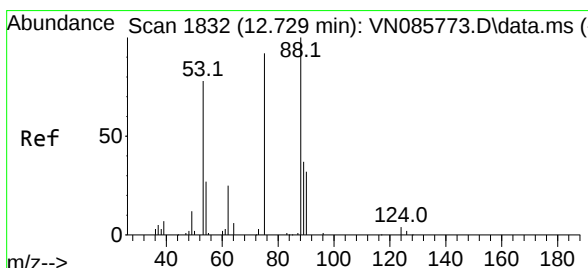
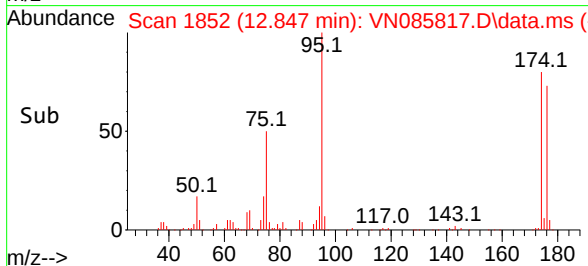
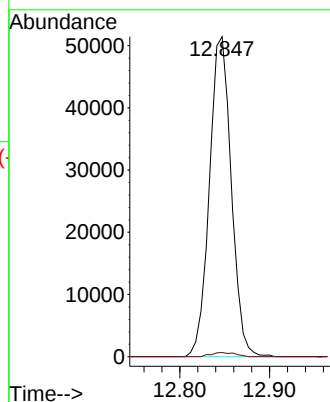
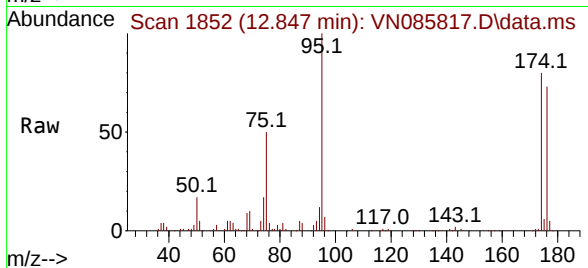
STOCK-PILE

Tgt Ion: 75 Resp: 87029

Ion Ratio Lower Upper

75 100

77 1.4 100.0 300.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.573 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.118 min

Lab File: VN085817.D

Acq: 21 Feb 2025 21:02

Tgt Ion: 75 Resp: 87029

Ion Ratio Lower Upper

75 100

53 0.1 74.2 111.4#

89 0.0 34.9 52.3#

