

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085642.D
 Acq On : 03 Feb 2025 23:14
 Operator : JC\MD
 Sample : Q1232-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 01:01:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

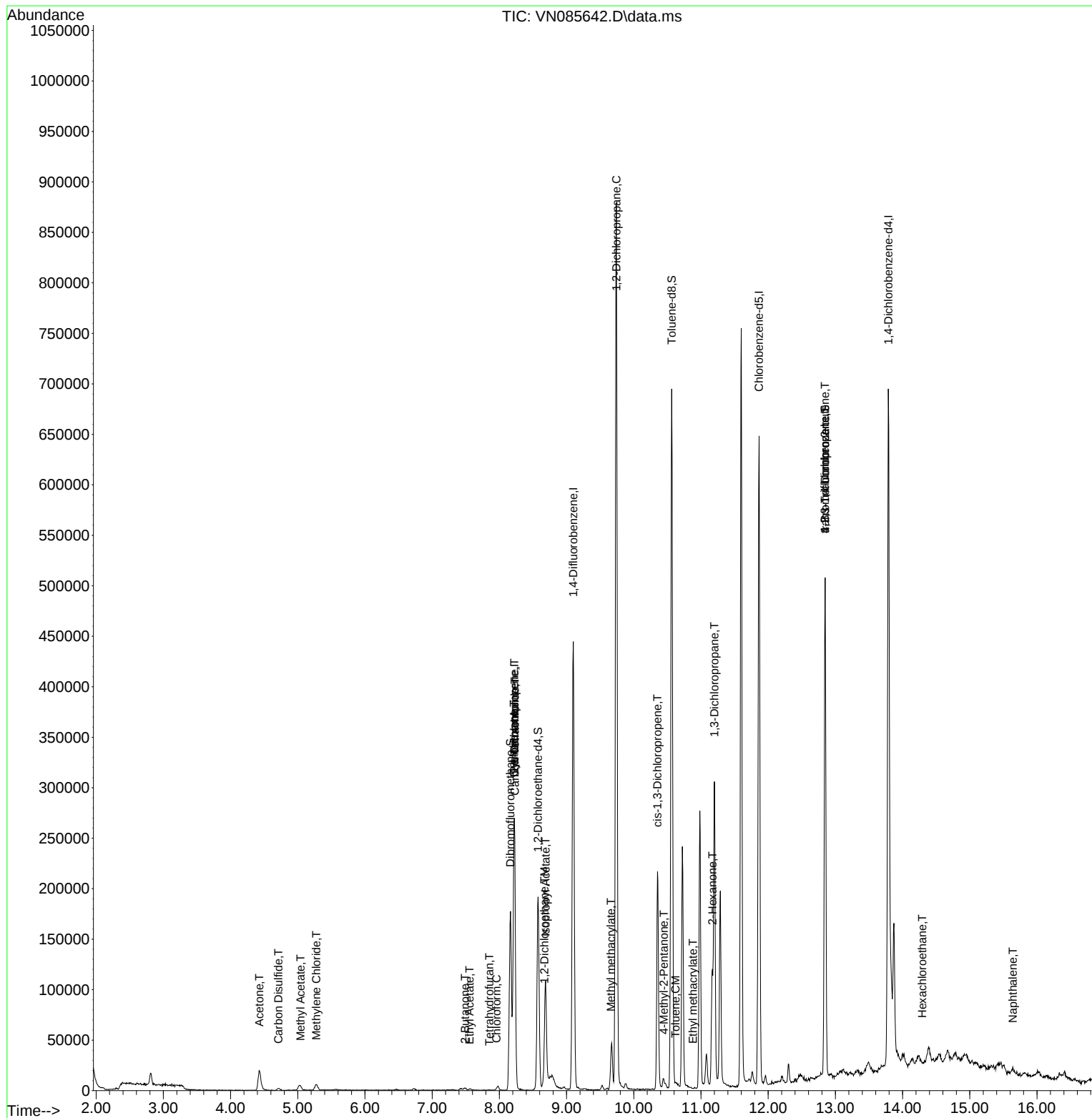
Internal Standards						
1) Pentafluorobenzene	8.224	168	193386	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	384666	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	362979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	158909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	150929	48.349	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.700%		
35) Dibromofluoromethane	8.165	113	125659	47.087	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.180%		
50) Toluene-d8	10.565	98	483742	51.019	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.040%		
62) 4-Bromofluorobenzene	12.847	95	164887	50.837	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.680%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	37932	37.607	ug/l	95
17) Carbon Disulfide	4.712	76	3044	0.476	ug/l #	76
18) Methyl Acetate	5.041	43	10600	3.456	ug/l	95
20) Methylene Chloride	5.277	84	4477	1.793	ug/l	97
25) 2-Butanone	7.488	43	4545	3.062	ug/l	92
29) Tetrahydrofuran	7.853	42	270	0.287	ug/l #	34
30) Chloroform	7.959	83	1855	0.394	ug/l #	64
31) Cyclohexane	8.218	56	4461	1.126	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16894	4.511	ug/l #	50
37) Ethyl Acetate	7.559	43	2551	0.675	ug/l #	84
38) Carbon Tetrachloride	8.229	117	21061	4.912	ug/l #	17
42) 1,2-Dichloroethane	8.671	62	878	0.207	ug/l #	76
43) Isopropyl Acetate	8.688	43	121069	19.986	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1250	0.435	ug/l #	43
48) Methyl methacrylate	9.659	41	3501	1.284	ug/l #	49
51) 4-Methyl-2-Pentanone	10.447	43	9989	2.842	ug/l #	79
52) Toluene	10.623	92	1389	0.213	ug/l	81
54) cis-1,3-Dichloropropene	10.353	75	37592	8.813	ug/l #	66
56) Ethyl methacrylate	10.882	69	74	1.947	ug/l #	23
57) 1,3-Dichloropropane	11.200	76	3177	0.708	ug/l #	43
59) 2-Hexanone	11.170	43	86027	34.782	ug/l #	26
76) 1,2,3-Trichloropropane	12.847	75	87020	26.942	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	87020	72.894	ug/l #	3
90) Hexachloroethane	14.294	117	426	0.217	ug/l #	16
95) Naphthalene	15.641	128	5701	0.799	ug/l #	90

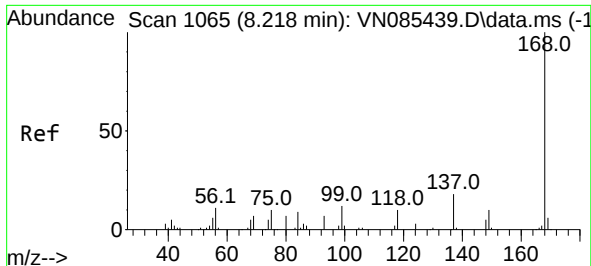
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
Data File : VN085642.D
Acq On : 03 Feb 2025 23:14
Operator : JC\MD
Sample : Q1232-10
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 04 01:01:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

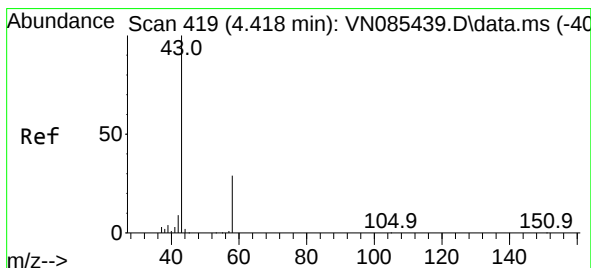
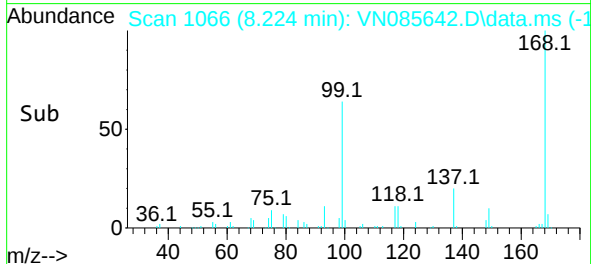
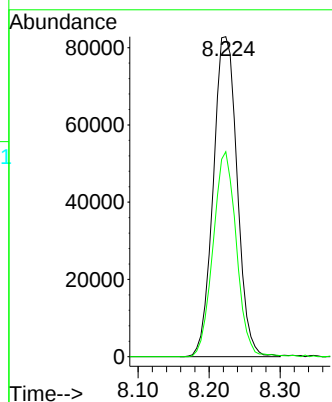
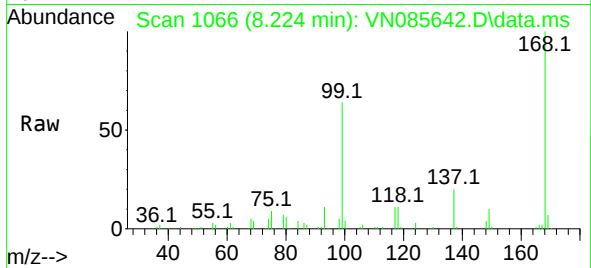




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

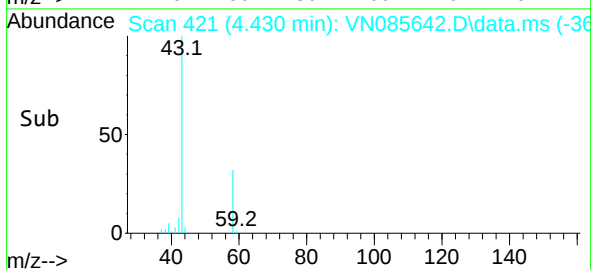
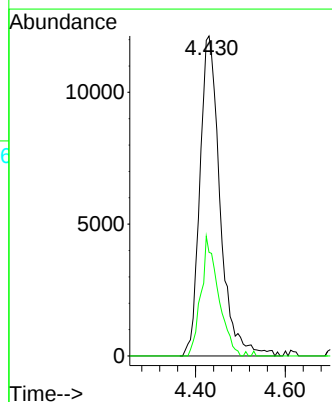
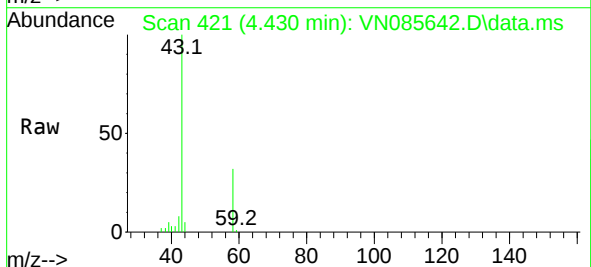
Instrument :
MSVOA_N
ClientSampleId :

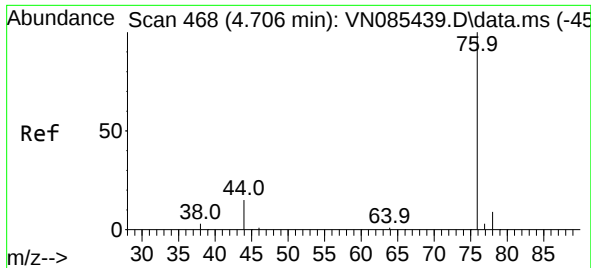
Tgt Ion:168 Resp: 193386
Ion Ratio Lower Upper
168 100
99 64.0 53.6 80.4



#16
Acetone
Concen: 37.607 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

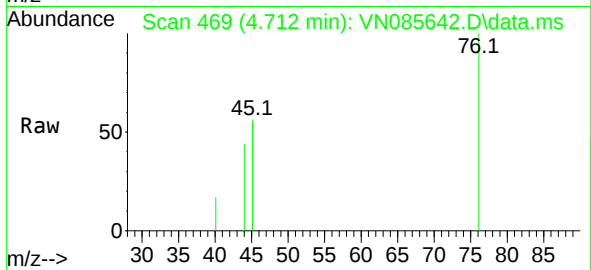
Tgt Ion: 43 Resp: 37932
Ion Ratio Lower Upper
43 100
58 32.4 23.8 35.6



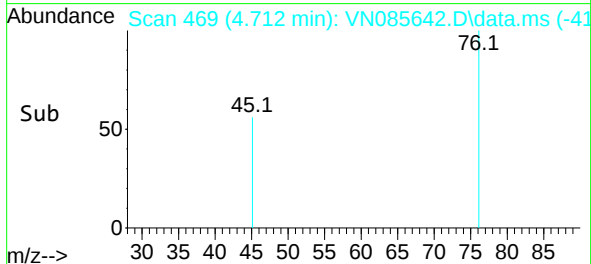
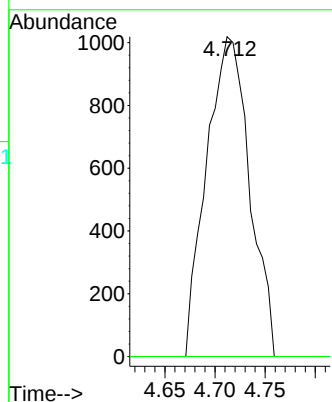


#17
Carbon Disulfide
Concen: 0.476 ug/l
RT: 4.712 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Instrument :
MSVOA_N
ClientSampleId :

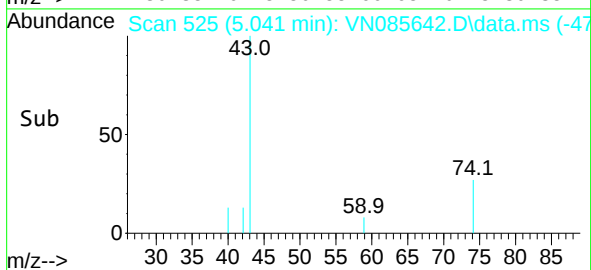
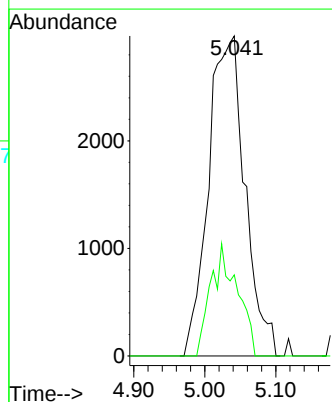
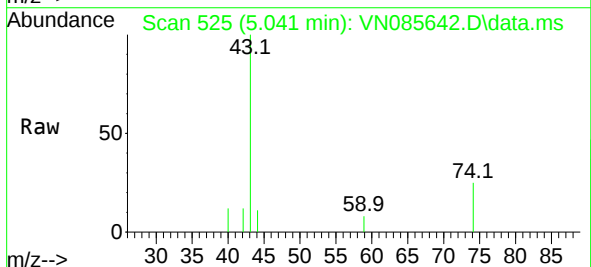


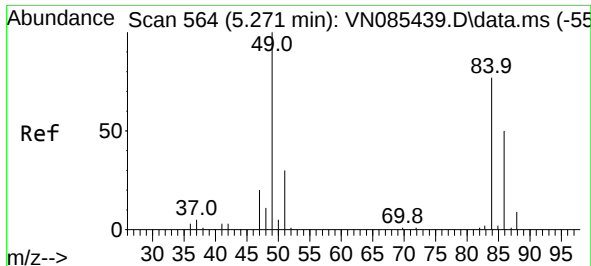
Tgt Ion: 76 Resp: 3044
Ion Ratio Lower Upper
76 100
78 0.0 6.9 10.3#



#18
Methyl Acetate
Concen: 3.456 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.023 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

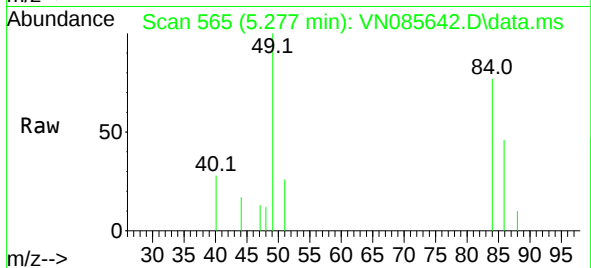
Tgt Ion: 43 Resp: 10600
Ion Ratio Lower Upper
43 100
74 25.6 18.6 28.0



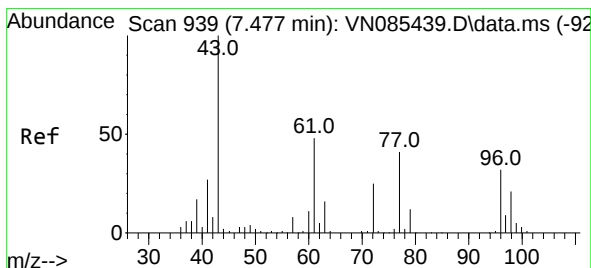
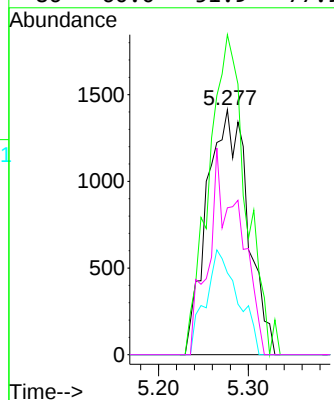


#20
Methylene Chloride
Concen: 1.793 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Instrument :
MSVOA_N
ClientSampleId :

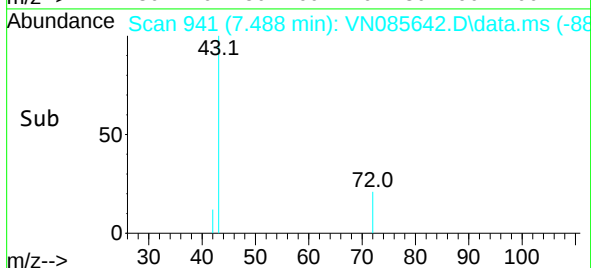
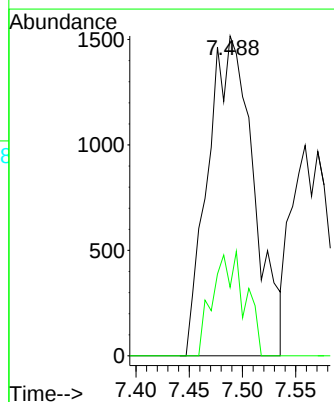
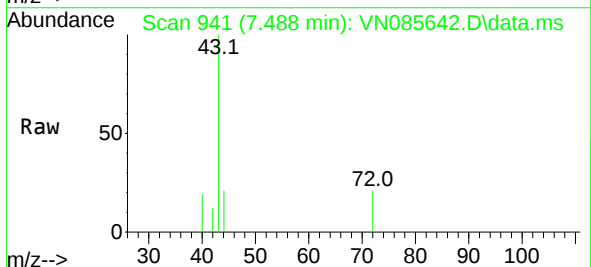


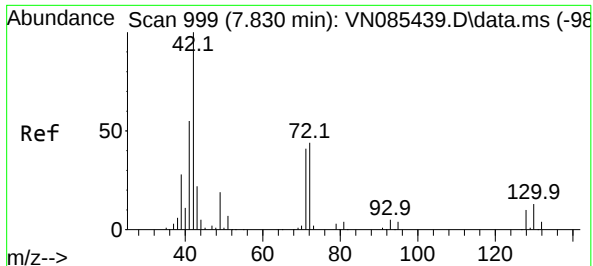
Tgt Ion:	84	Resp:	4477
Ion	Ratio	Lower	Upper
84	100		
49	130.6	104.1	156.1
51	33.4	31.0	46.4
86	60.0	51.9	77.9



#25
2-Butanone
Concen: 3.062 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

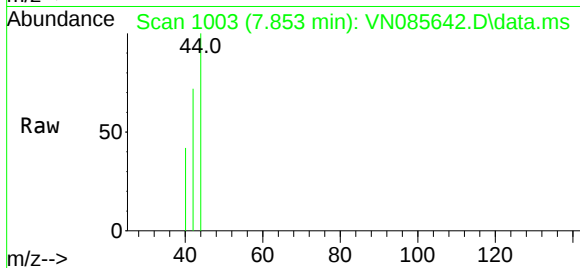
Tgt Ion:	43	Resp:	4545
Ion	Ratio	Lower	Upper
43	100		
72	21.4	20.2	30.4



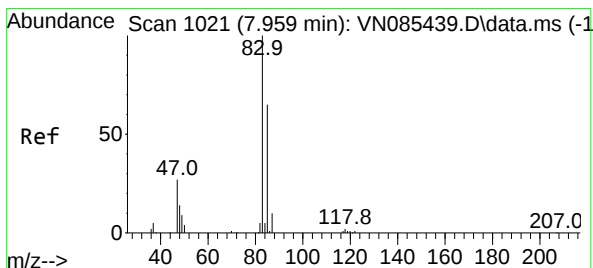
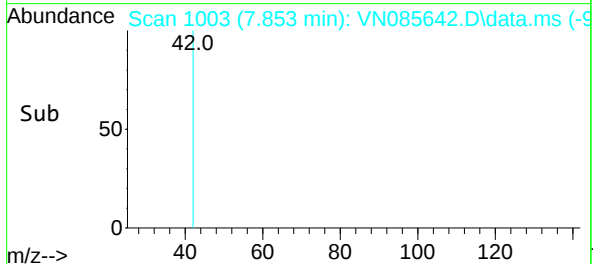
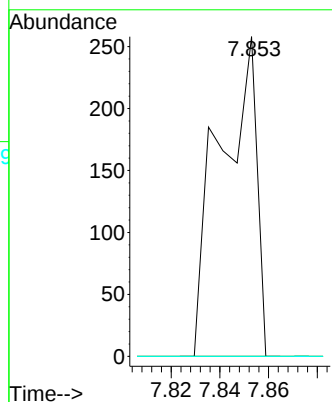


#29
Tetrahydrofuran
Concen: 0.287 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.023 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Instrument :
MSVOA_N
ClientSampleId :

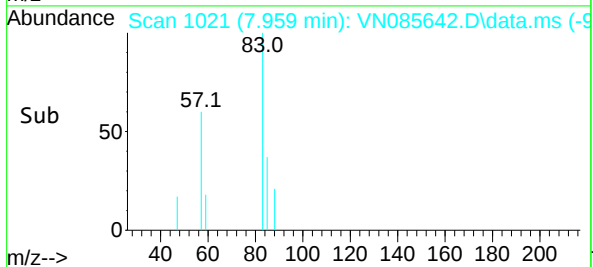
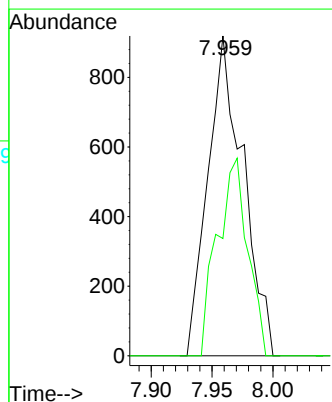
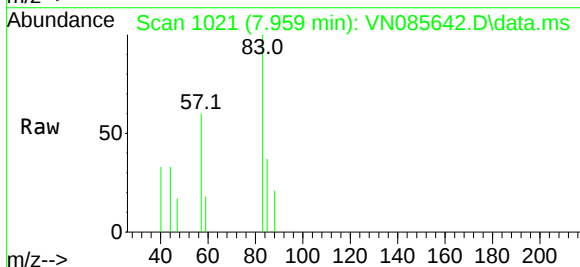


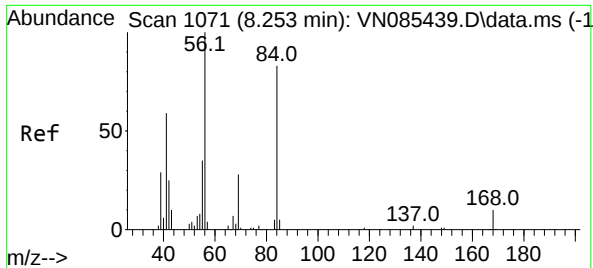
Tgt Ion: 42 Resp: 270
Ion Ratio Lower Upper
42 100
72 0.0 34.2 51.2#
71 0.0 32.5 48.7#



#30
Chloroform
Concen: 0.394 ug/l
RT: 7.959 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

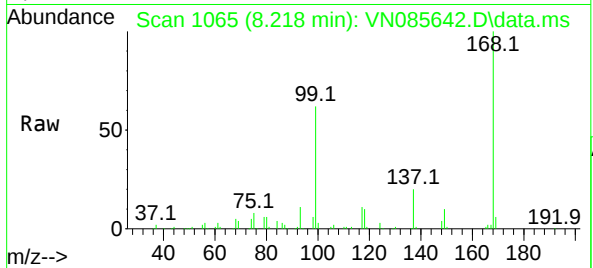
Tgt Ion: 83 Resp: 1855
Ion Ratio Lower Upper
83 100
85 36.7 51.8 77.6#



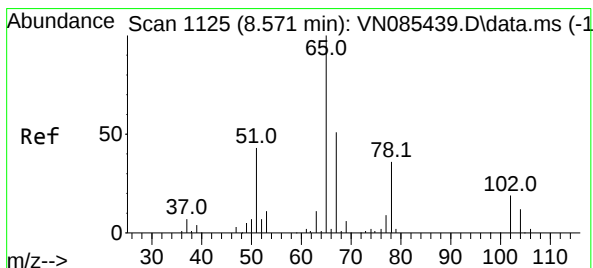
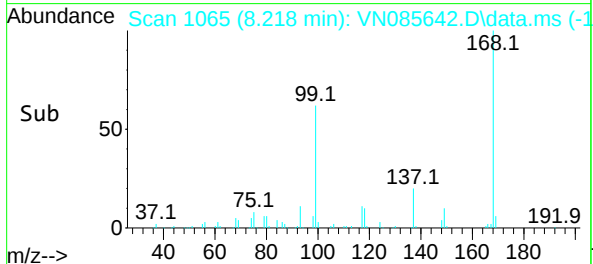
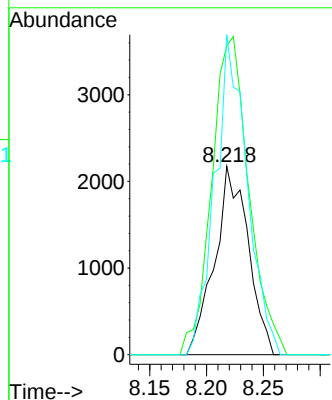


#31
Cyclohexane
Concen: 1.126 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Instrument :
MSVOA_N
ClientSampleId :

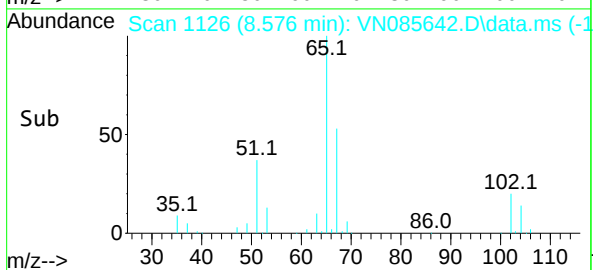
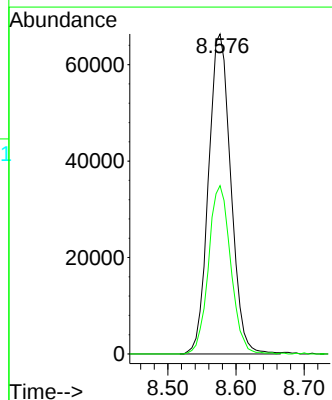
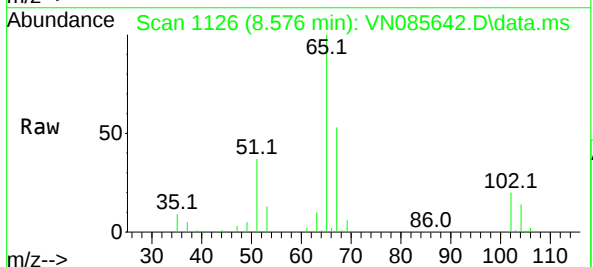


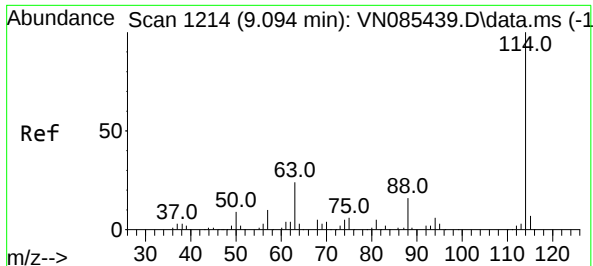
Tgt Ion: 56 Resp: 4461
Ion Ratio Lower Upper
56 100
69 164.2 22.2 33.4#
84 170.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.349 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Tgt Ion: 65 Resp: 150929
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085642.D

Acq: 03 Feb 2025 23:14

Instrument :

MSVOA_N

ClientSampleId :

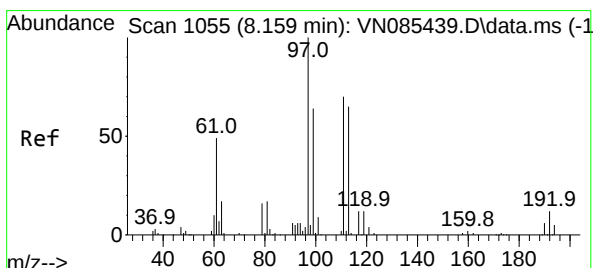
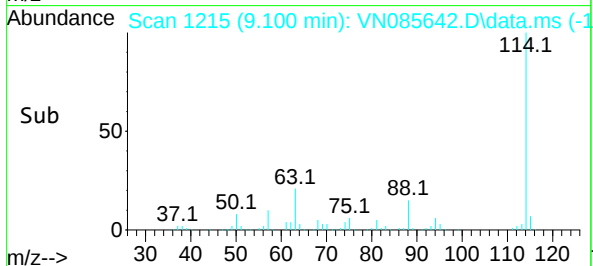
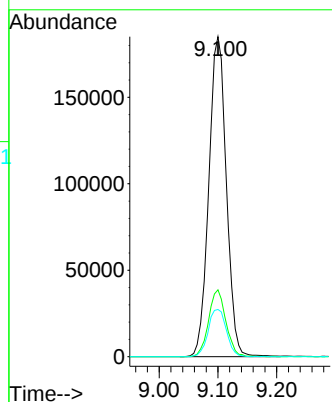
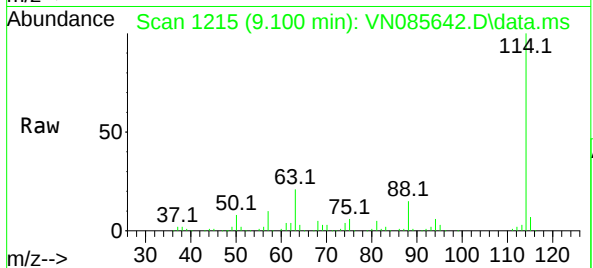
Tgt Ion:114 Resp: 384666

Ion Ratio Lower Upper

114 100

63 20.9 0.0 47.6

88 14.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.087 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085642.D

Acq: 03 Feb 2025 23:14

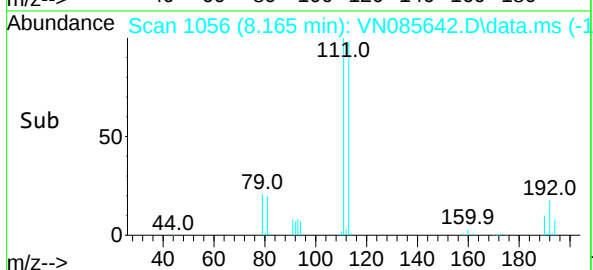
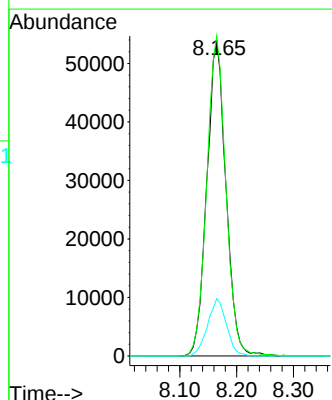
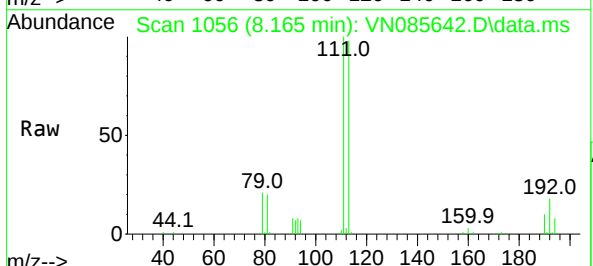
Tgt Ion:113 Resp: 125659

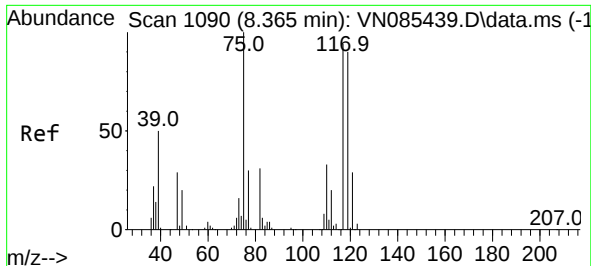
Ion Ratio Lower Upper

113 100

111 101.4 82.7 124.1

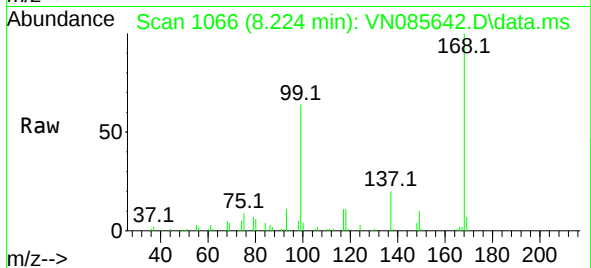
192 17.9 14.3 21.5



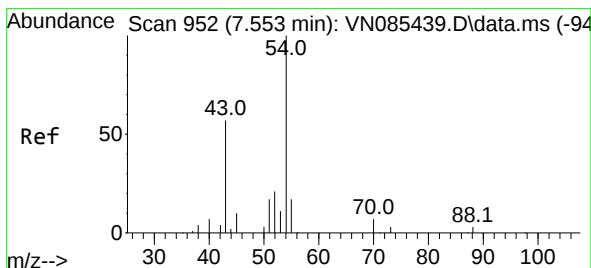
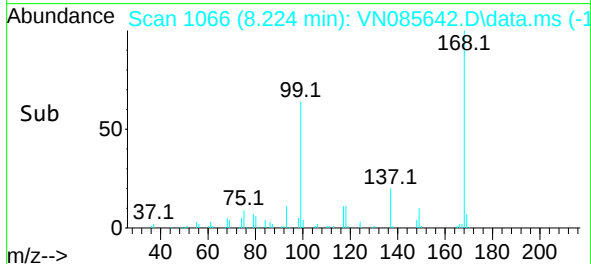
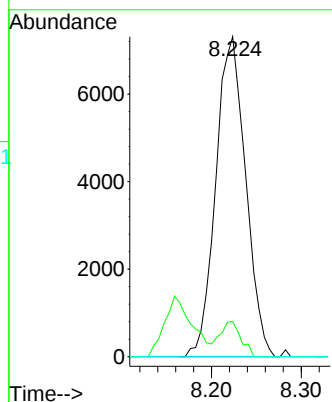


#36
1,1-Dichloropropene
Concen: 4.511 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Instrument :
MSVOA_N
ClientSampleId :

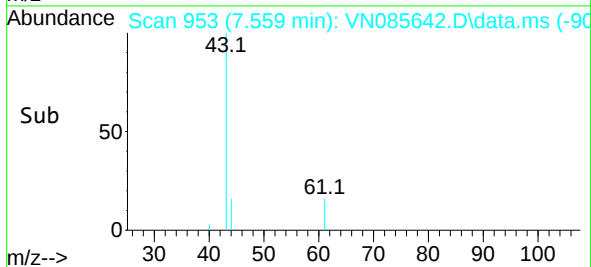
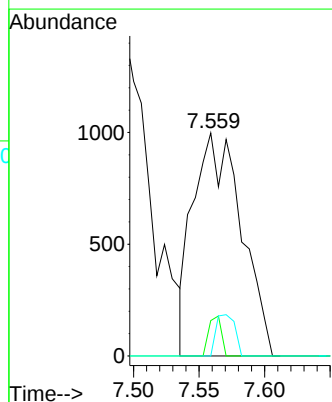
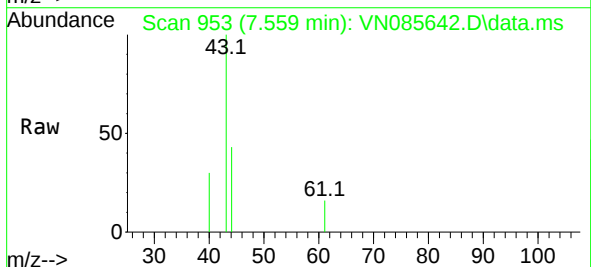


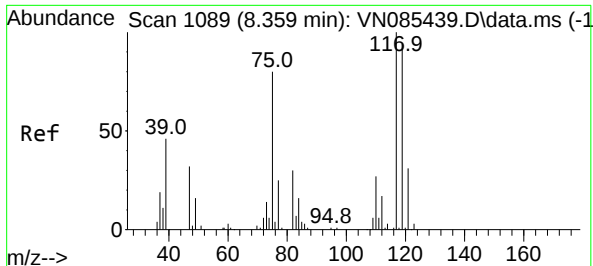
Tgt Ion: 75 Resp: 16894
Ion Ratio Lower Upper
75 100
110 7.7 16.5 49.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.675 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.006 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

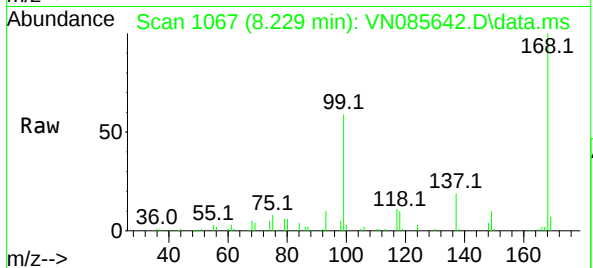
Tgt Ion: 43 Resp: 2551
Ion Ratio Lower Upper
43 100
61 4.7 10.9 16.3#
70 7.2 7.5 11.3#



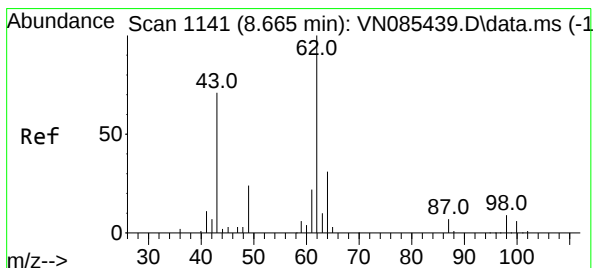
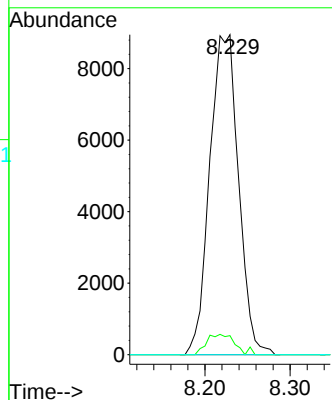
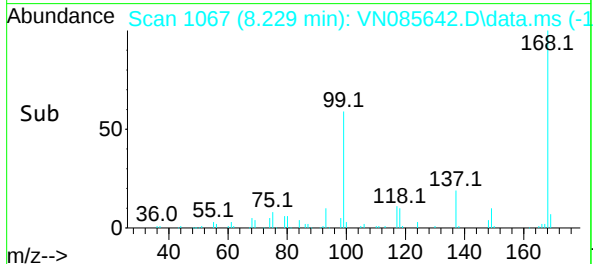


#38
Carbon Tetrachloride
Concen: 4.912 ug/l
RT: 8.229 min Scan# 1106
Delta R.T. -0.130 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Instrument :
MSVOA_N
ClientSampleId :

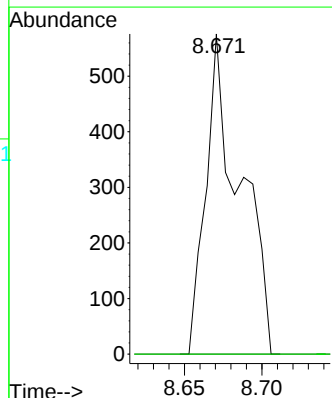
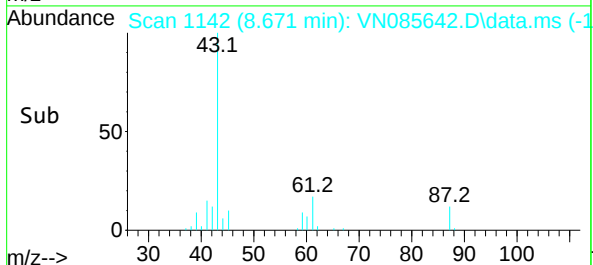
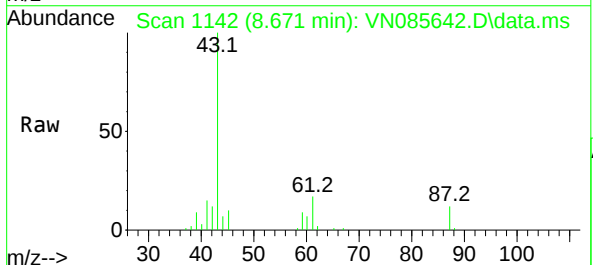


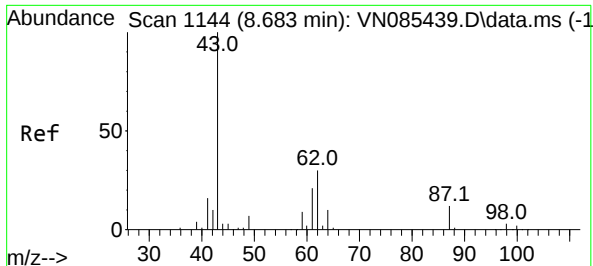
Tgt Ion:117 Resp: 21061
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.2#
121 0.0 24.6 37.0#



#42
1,2-Dichloroethane
Concen: 0.207 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Tgt Ion: 62 Resp: 878
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.0





#43

Isopropyl Acetate

Concen: 19.986 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.006 min

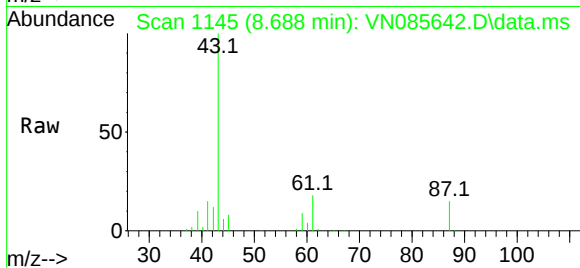
Lab File: VN085642.D

Acq: 03 Feb 2025 23:14

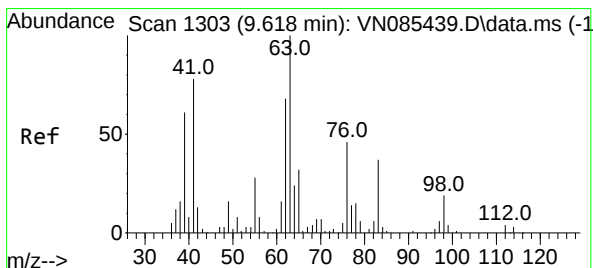
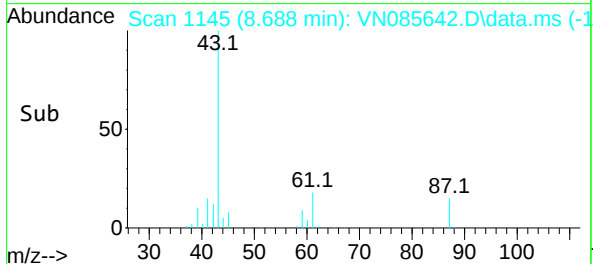
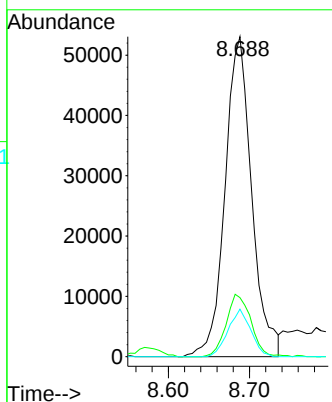
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 121069
Ion Ratio	Lower Upper
43	100
61	18.1 20.7 31.1#
87	12.6 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.435 ug/l

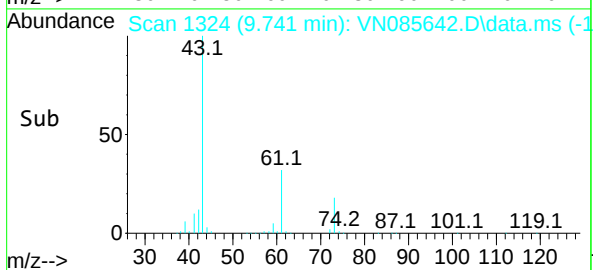
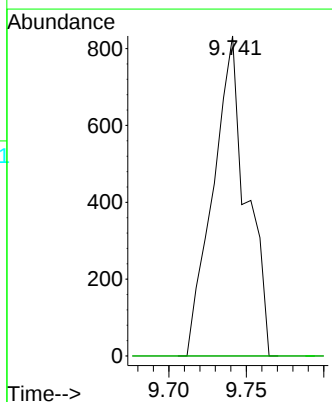
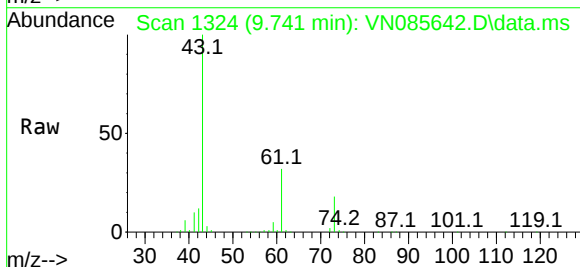
RT: 9.741 min Scan# 1324

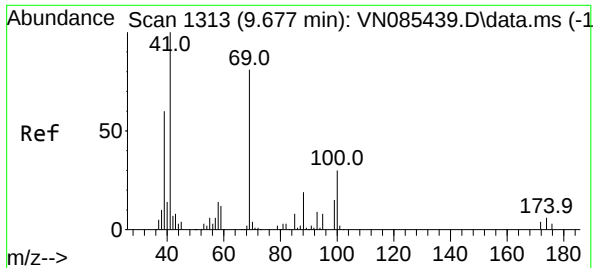
Delta R.T. 0.123 min

Lab File: VN085642.D

Acq: 03 Feb 2025 23:14

Tgt Ion: 63	Resp: 1250
Ion Ratio	Lower Upper
63	100
65	0.0 25.6 38.4#

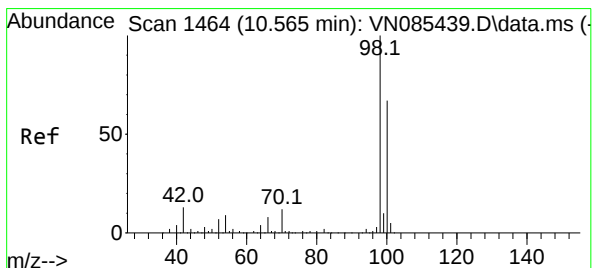
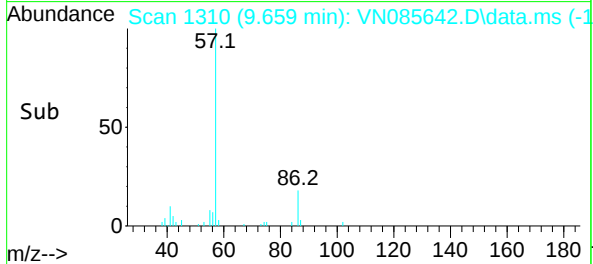
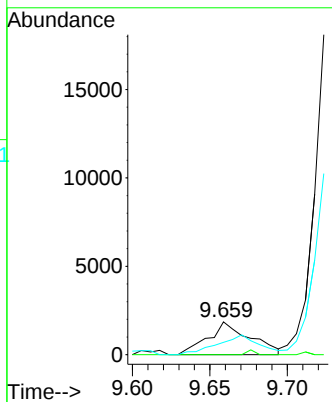
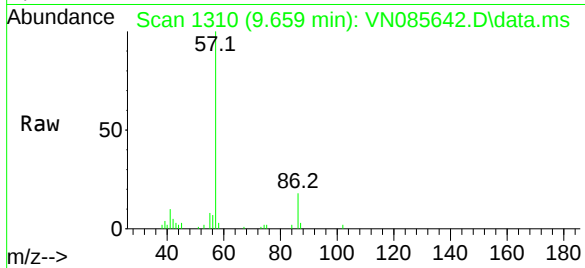




#48
Methyl methacrylate
Concen: 1.284 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.018 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

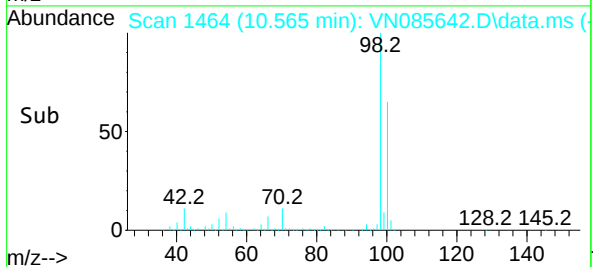
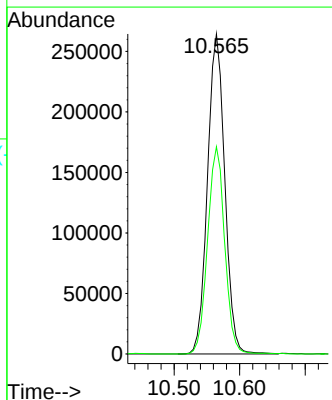
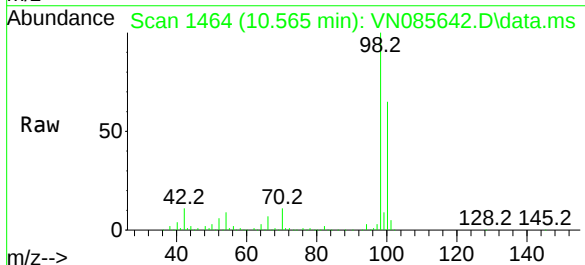
Instrument :
MSVOA_N
ClientSampleId :

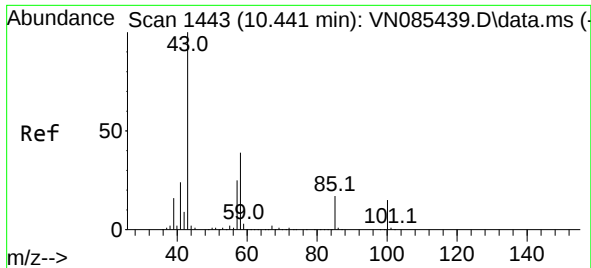
Tgt Ion: 41 Resp: 3501
Ion Ratio Lower Upper
41 100
69 2.8 64.7 97.1#
39 59.6 49.0 73.6



#50
Toluene-d8
Concen: 51.019 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Tgt Ion: 98 Resp: 483742
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.4

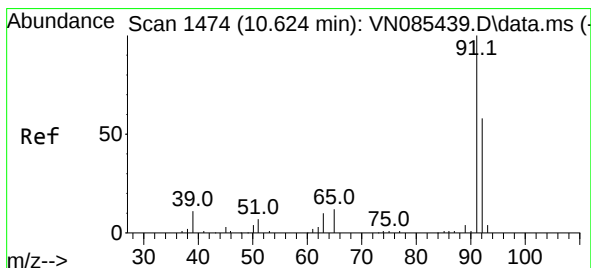
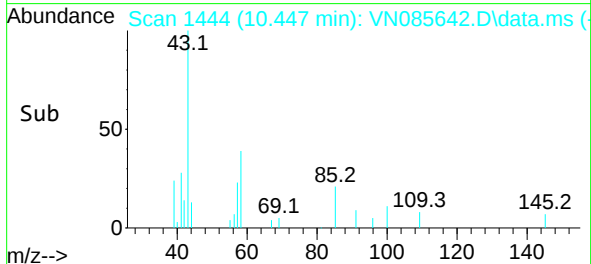
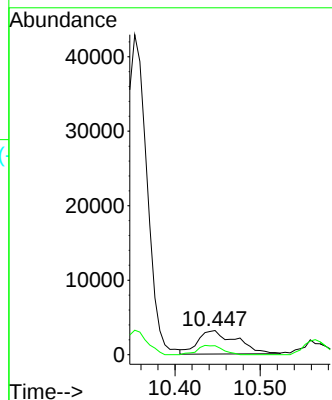
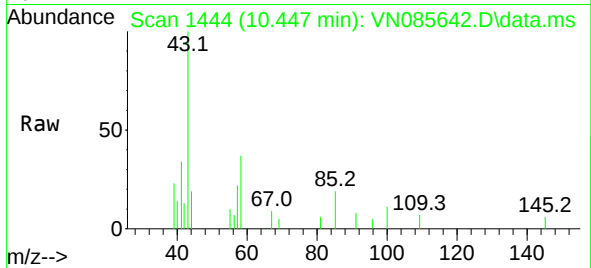




#51
4-Methyl-2-Pentanone
Concen: 2.842 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

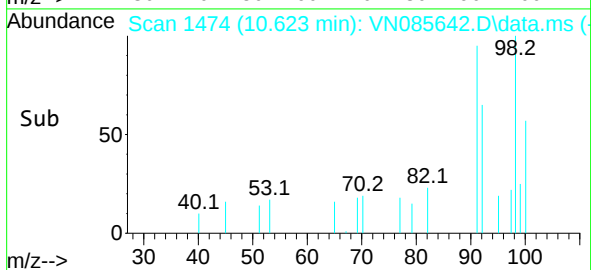
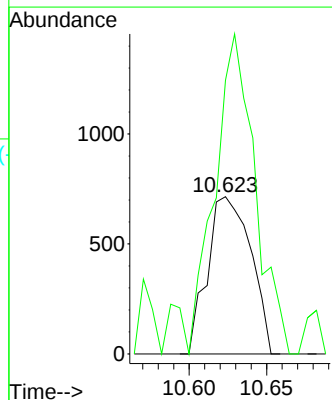
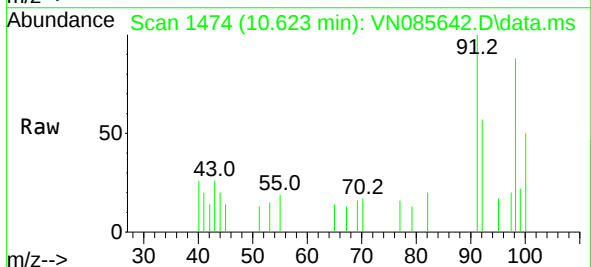
Instrument :
MSVOA_N
ClientSampleId :

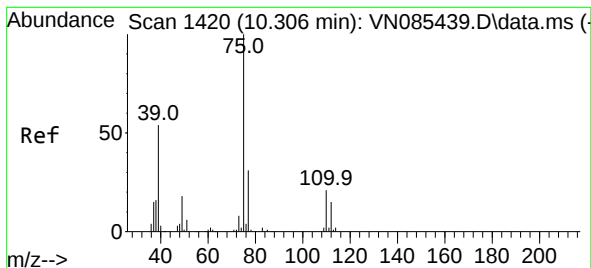
Tgt Ion: 43 Resp: 9989
Ion Ratio Lower Upper
43 100
58 25.3 30.5 45.7#



#52
Toluene
Concen: 0.213 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.001 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Tgt Ion: 92 Resp: 1389
Ion Ratio Lower Upper
92 100
91 201.0 139.2 208.8





#54

cis-1,3-Dichloropropene

Concen: 8.813 ug/l

RT: 10.353 min Scan# 14

Delta R.T. 0.047 min

Lab File: VN085642.D

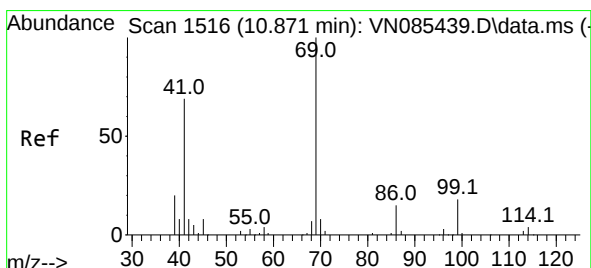
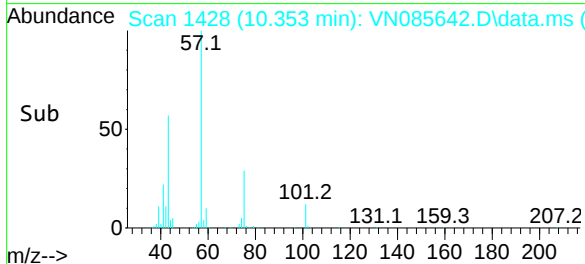
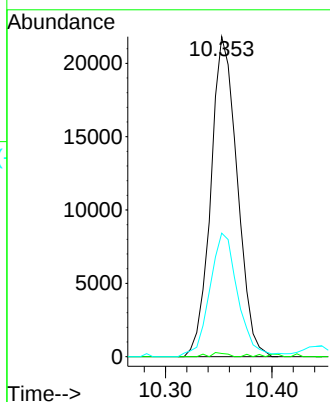
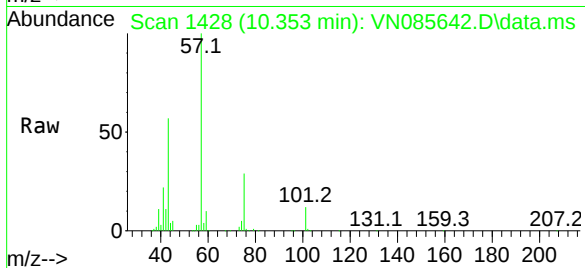
Acq: 03 Feb 2025 23:14

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	37592
Ion	Ratio	Lower	Upper
75	100		
77	1.0	25.0	37.4#
39	38.6	43.1	64.7#



#56

Ethyl methacrylate

Concen: 1.947 ug/l

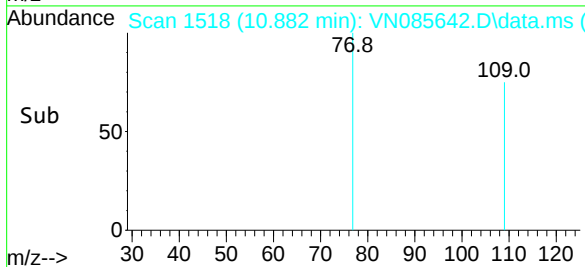
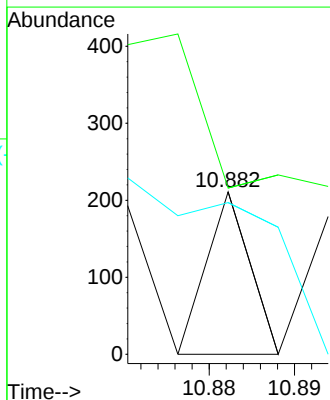
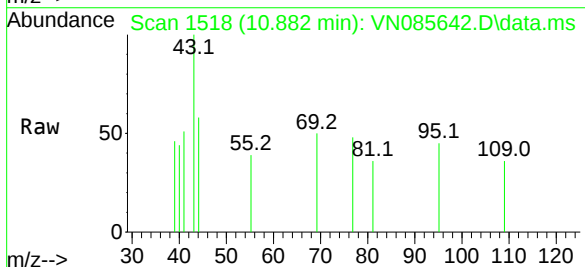
RT: 10.882 min Scan# 1518

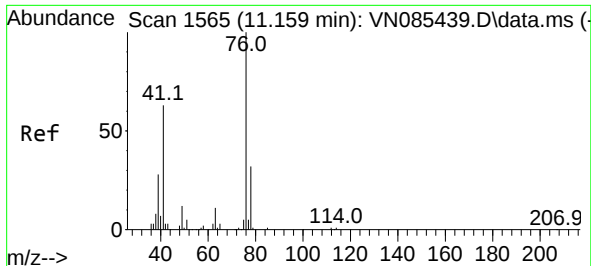
Delta R.T. 0.011 min

Lab File: VN085642.D

Acq: 03 Feb 2025 23:14

Tgt Ion:	69	Resp:	74
Ion	Ratio	Lower	Upper
69	100		
41	0.0	54.6	82.0#
39	0.0	32.4	48.6#





#57

1,3-Dichloropropane

Concen: 0.708 ug/l

RT: 11.200 min Scan# 1567

Delta R.T. 0.041 min

Lab File: VN085642.D

Acq: 03 Feb 2025 23:14

Instrument :

MSVOA_N

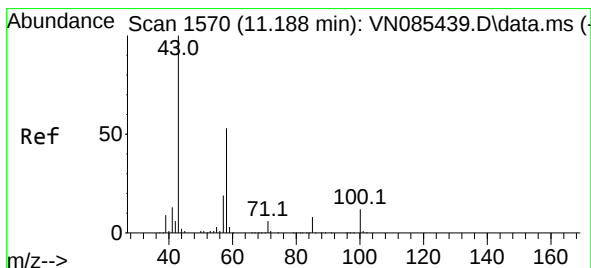
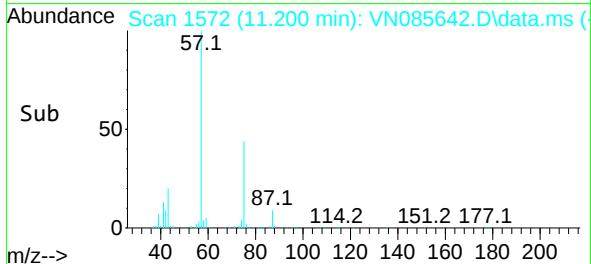
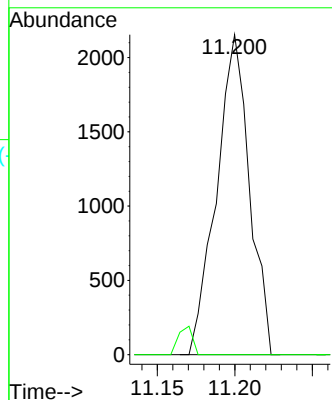
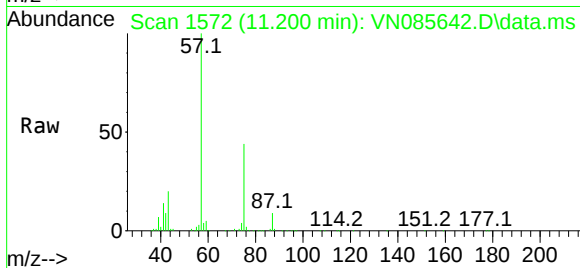
ClientSampleId :

Tgt Ion: 76 Resp: 3177

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 34.782 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.018 min

Lab File: VN085642.D

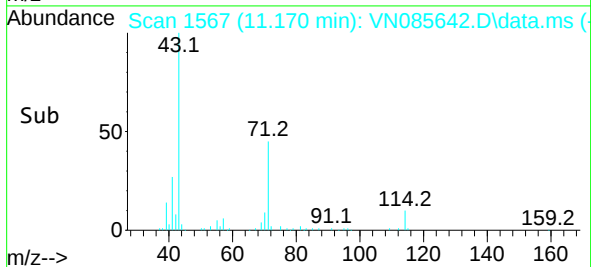
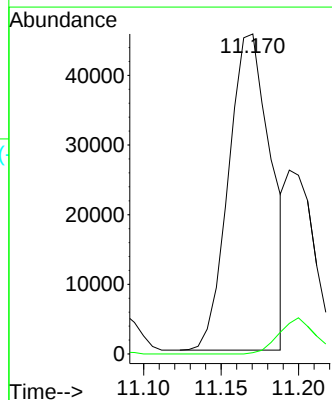
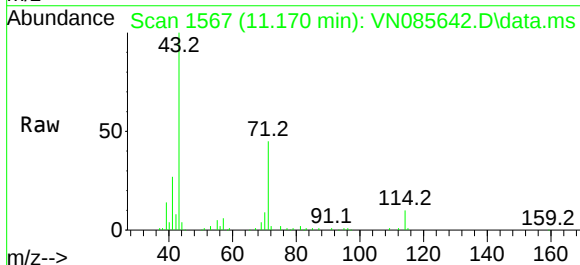
Acq: 03 Feb 2025 23:14

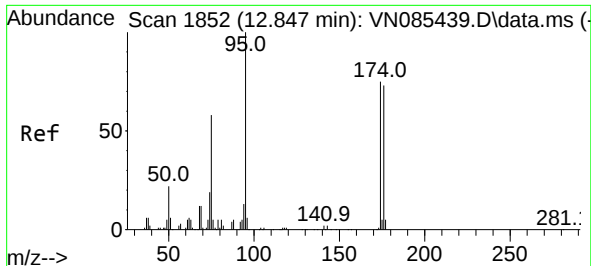
Tgt Ion: 43 Resp: 86027

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.6#

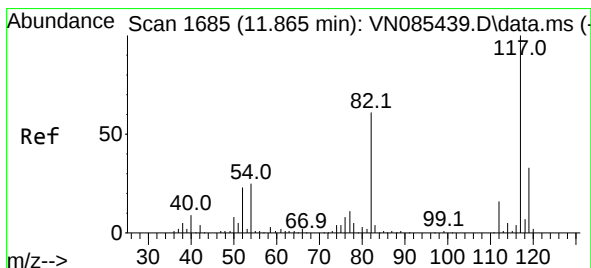
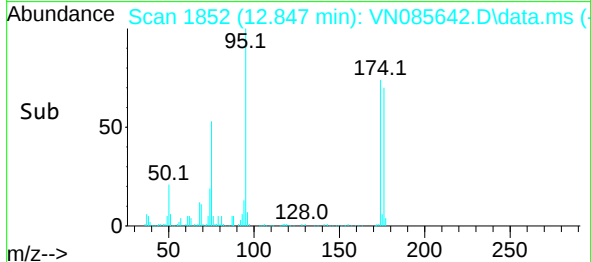
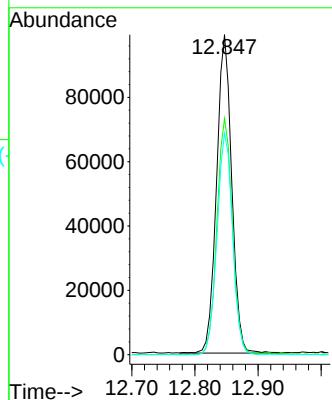
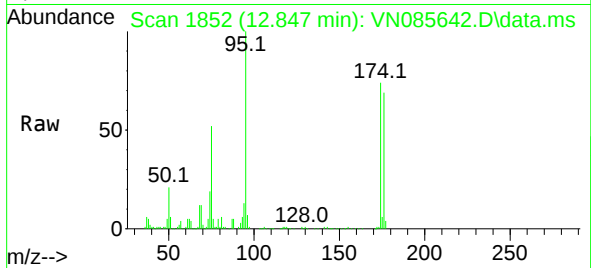




#62
4-Bromofluorobenzene
Concen: 50.837 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

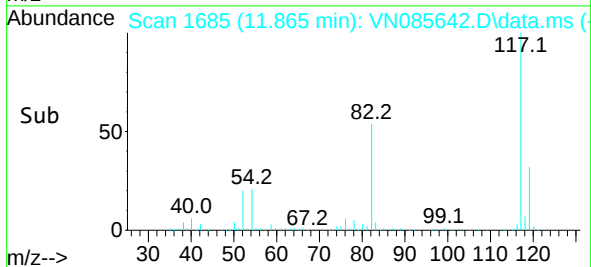
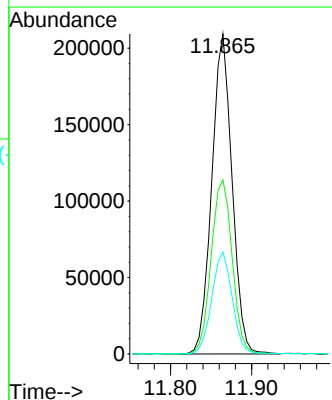
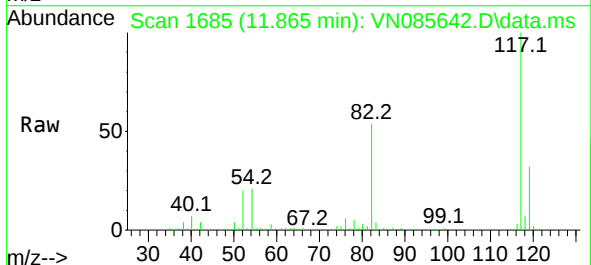
Instrument :
MSVOA_N
ClientSampleId :

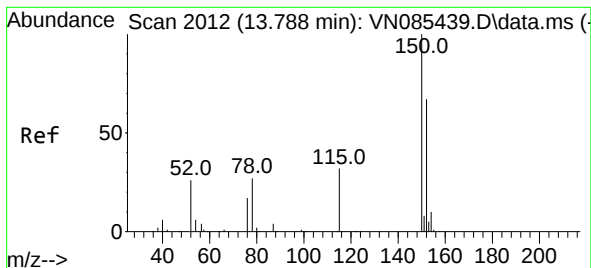
Tgt Ion: 95 Resp: 164887
Ion Ratio Lower Upper
95 100
174 75.9 0.0 145.0
176 71.0 0.0 142.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Tgt Ion: 117 Resp: 362979
Ion Ratio Lower Upper
117 100
82 54.4 48.6 72.8
119 31.8 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.000 min

Lab File: VN085642.D

Acq: 03 Feb 2025 23:14

Instrument :

MSVOA_N

ClientSampleId :

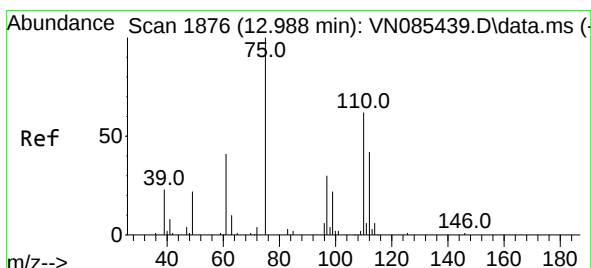
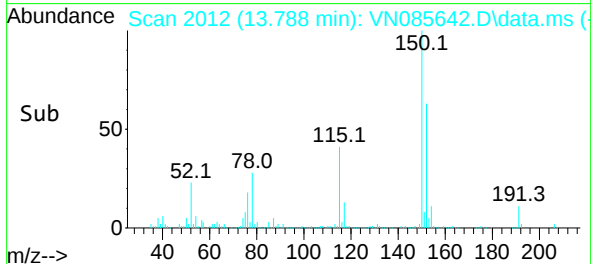
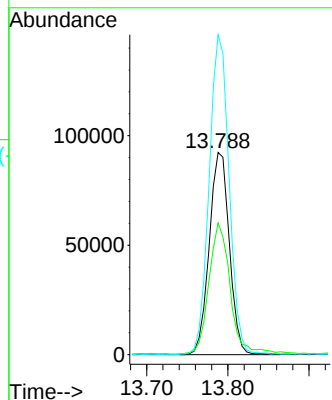
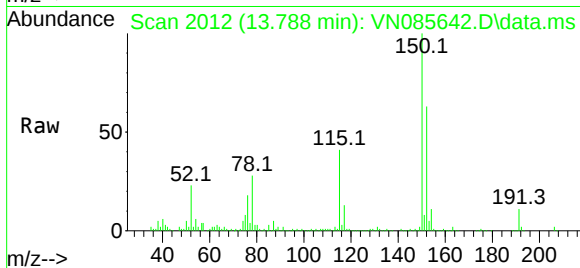
Tgt Ion:152 Resp: 158909

Ion Ratio Lower Upper

152 100

115 69.0 31.1 93.3

150 157.4 0.0 343.6



#76

1,2,3-Trichloropropane

Concen: 26.942 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN085642.D

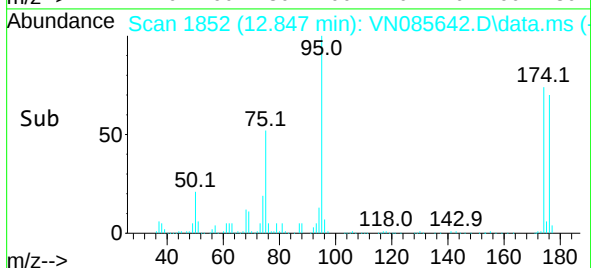
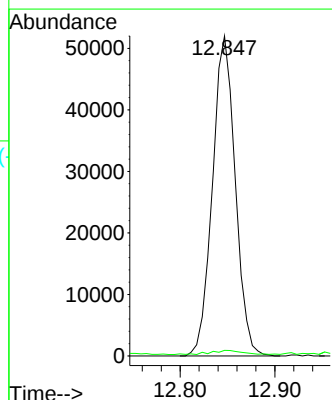
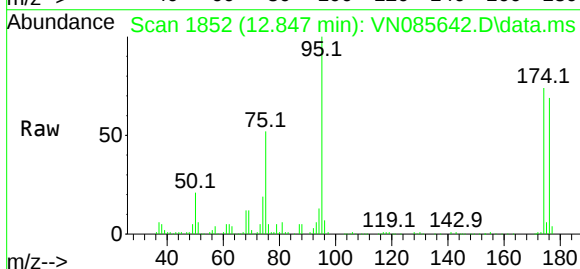
Acq: 03 Feb 2025 23:14

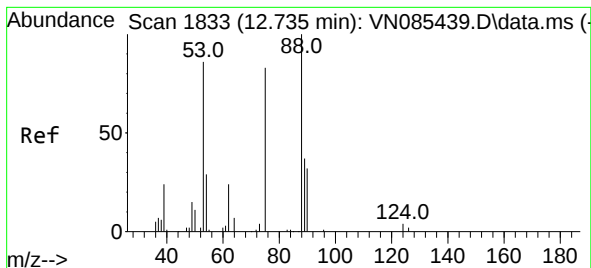
Tgt Ion: 75 Resp: 87020

Ion Ratio Lower Upper

75 100

77 2.8 109.7 329.2#

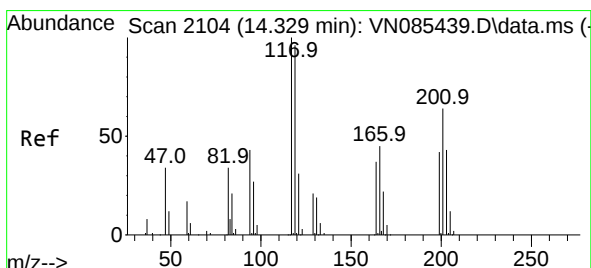
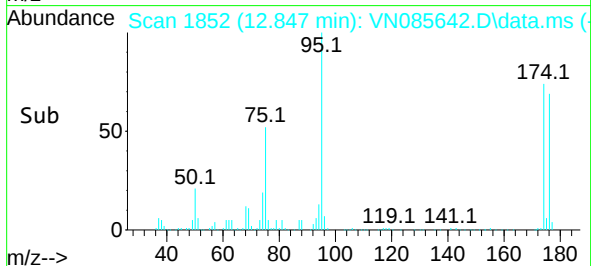
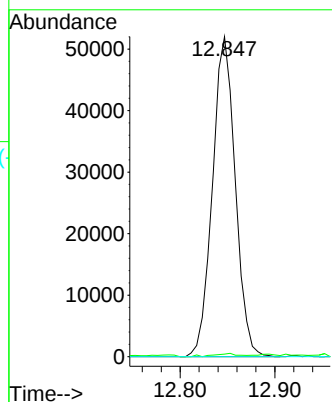
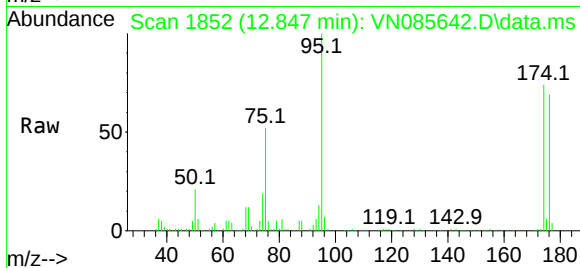




#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.894 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN085642.D
 Acq: 03 Feb 2025 23:14

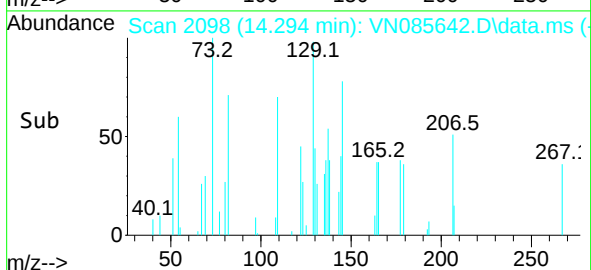
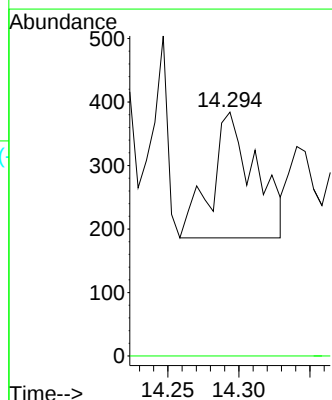
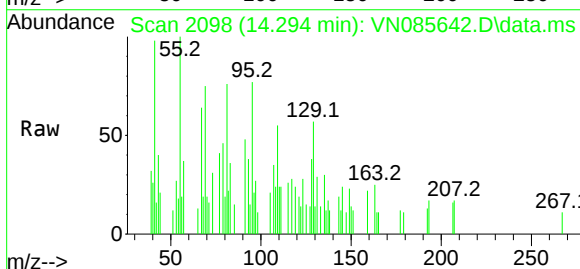
Instrument :
 MSVOA_N
 ClientSampleId :

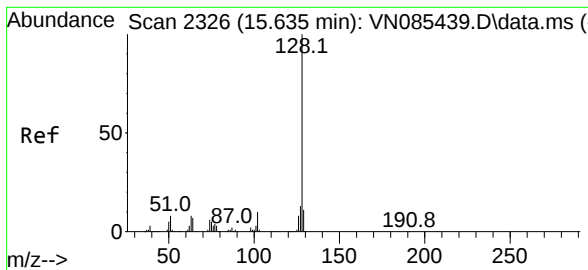
Tgt Ion: 75 Resp: 87020
 Ion Ratio Lower Upper
 75 100
 53 1.0 95.6 143.4#
 89 0.0 37.0 55.6#



#90
 Hexachloroethane
 Concen: 0.217 ug/l
 RT: 14.294 min Scan# 2098
 Delta R.T. -0.035 min
 Lab File: VN085642.D
 Acq: 03 Feb 2025 23:14

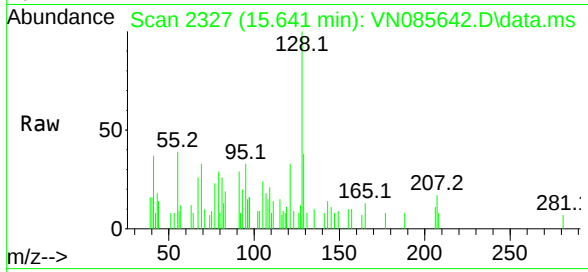
Tgt Ion: 117 Resp: 426
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.7 101.0#





#95
Naphthalene
Concen: 0.799 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085642.D
Acq: 03 Feb 2025 23:14

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:	128	Resp:	5701
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	16.0
129	18.6	8.8	13.2#

