

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020325\
 Data File : VN085632.D
 Acq On : 03 Feb 2025 19:13
 Operator : JC\MD
 Sample : Q1221-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 01:00:16 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)

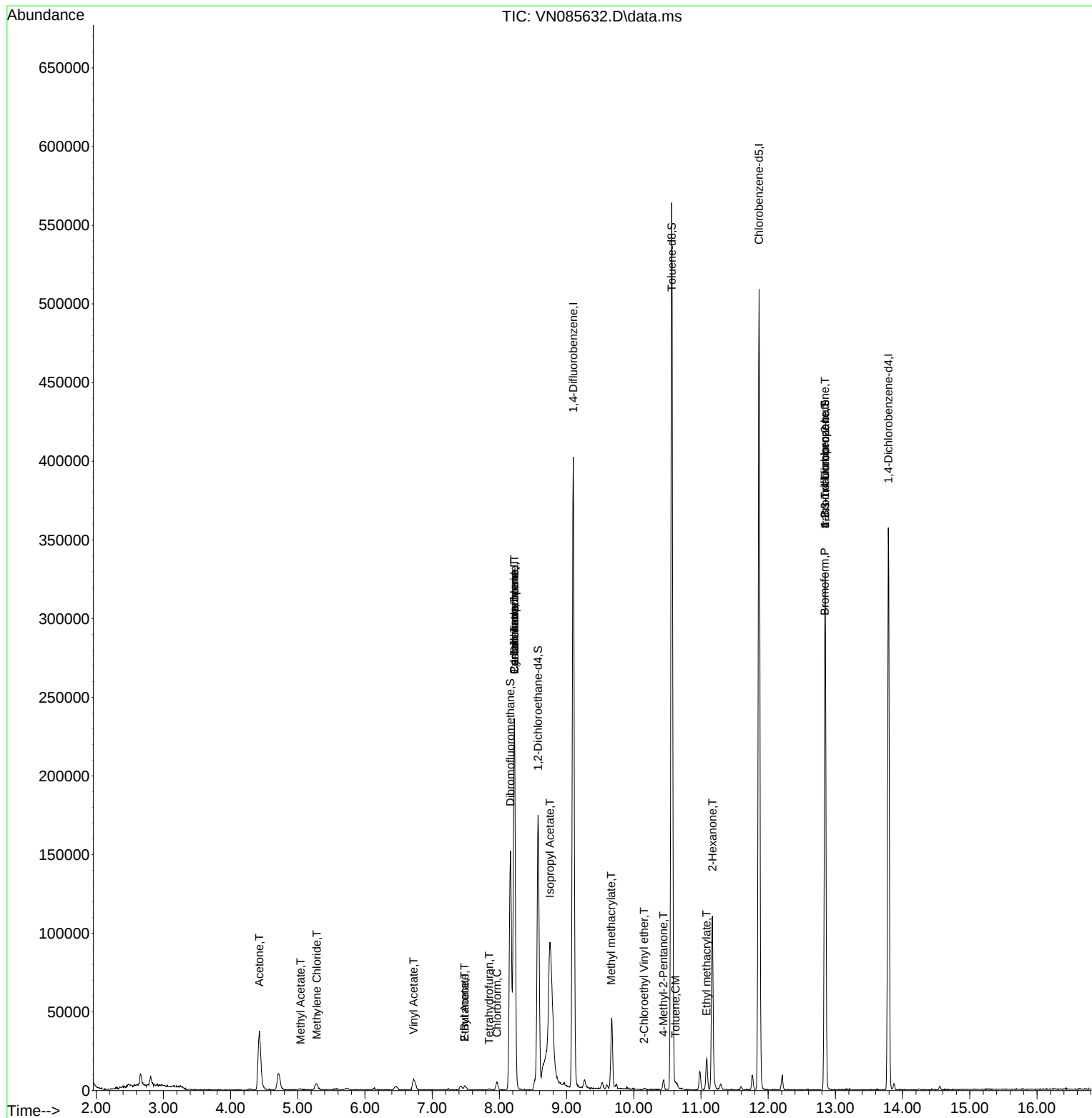
Internal Standards						
1) Pentafluorobenzene	8.224	168	160642	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	339935	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288192	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	94832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137122	52.880	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.760%			
35) Dibromofluoromethane	8.165	113	107897	45.752	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.500%			
50) Toluene-d8	10.565	98	388253	46.336	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.680%			
62) 4-Bromofluorobenzene	12.847	95	108452	37.837	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 75.680%#			
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	70347	83.961	ug/l	97
18) Methyl Acetate	5.041	43	1600	0.628	ug/l #	61
20) Methylene Chloride	5.283	84	3310	1.596	ug/l #	71
23) Vinyl Acetate	6.724	43	1099	0.253	ug/l #	72
25) 2-Butanone	7.482	43	4846	3.930	ug/l	97
29) Tetrahydrofuran	7.847	42	550	0.704	ug/l #	45
30) Chloroform	7.965	83	4833	1.235	ug/l	94
31) Cyclohexane	8.224	56	4582	1.392	ug/l #	55
36) 1,1-Dichloropropene	8.224	75	14882	4.496	ug/l #	50
37) Ethyl Acetate	7.482	43	4846	1.451	ug/l #	70
38) Carbon Tetrachloride	8.224	117	18103	4.777	ug/l #	18
43) Isopropyl Acetate	8.753	43	165801	30.973	ug/l #	57
48) Methyl methacrylate	9.665	41	3153	1.309	ug/l #	14
51) 4-Methyl-2-Pentanone	10.441	43	4237	1.364	ug/l	97
52) Toluene	10.623	92	1313	0.228	ug/l	80
56) Ethyl methacrylate	11.082	69	727	2.113	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.153	63	329	0.227	ug/l #	48
59) 2-Hexanone	11.171	43	78714	36.013	ug/l #	26
71) Bromoform	12.841	173	870	0.525	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	58729	30.469	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58729	82.437	ug/l #	3

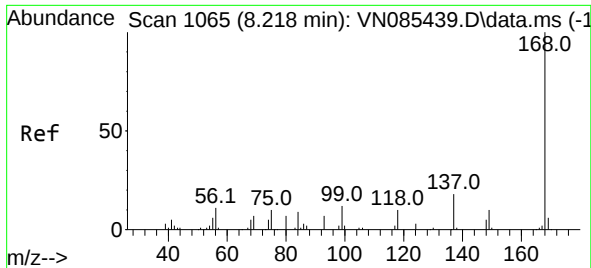
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

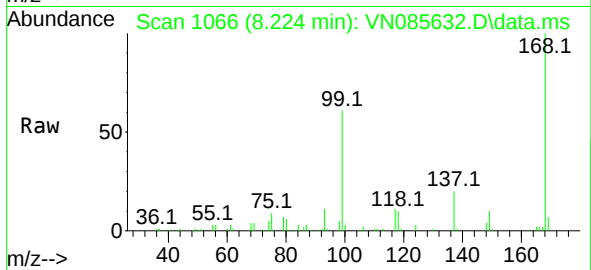
Quant Time: Feb 04 01:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
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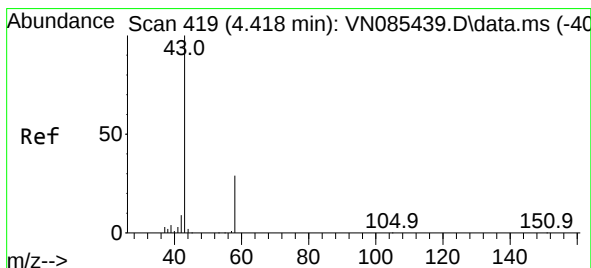
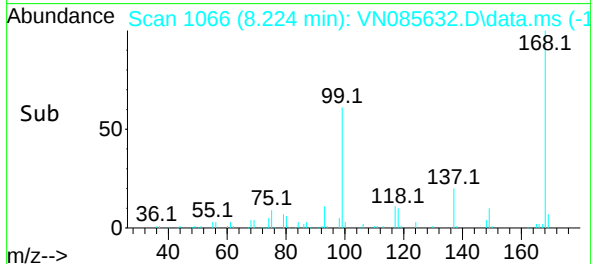
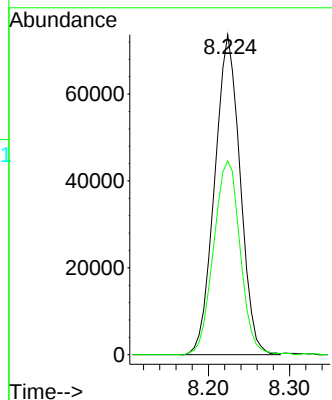


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Instrument :
MSVOA_N
ClientSampleId :

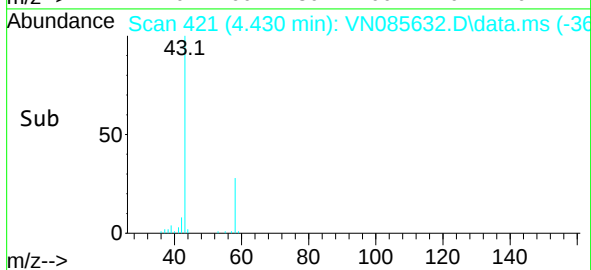
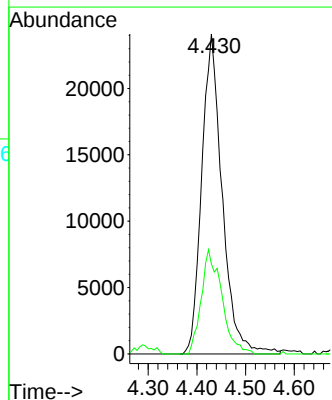
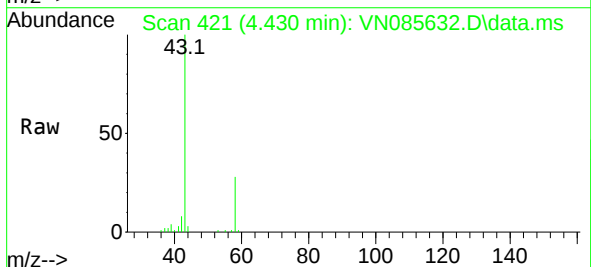


Tgt Ion:168 Resp: 160642
Ion Ratio Lower Upper
168 100
99 60.6 53.6 80.4



#16
Acetone
Concen: 83.961 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

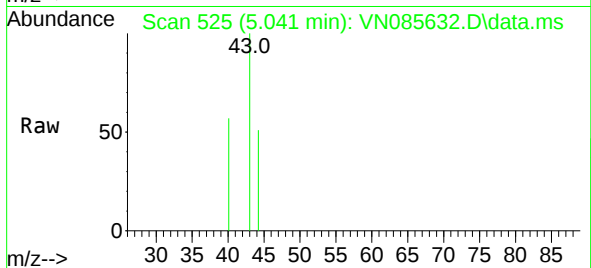
Tgt Ion: 43 Resp: 70347
Ion Ratio Lower Upper
43 100
58 28.1 23.8 35.6



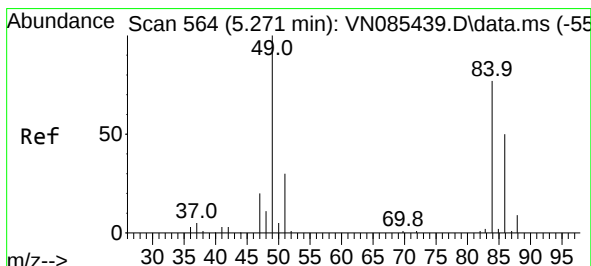
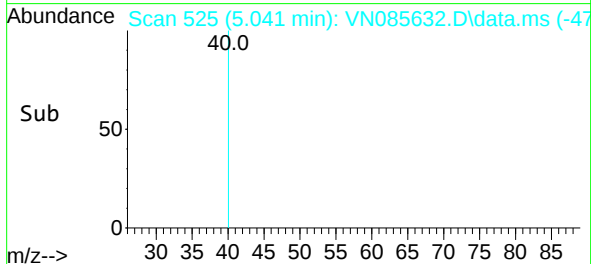
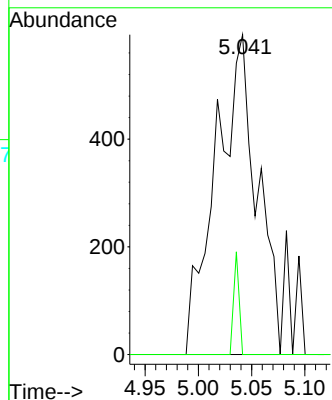


#18
Methyl Acetate
Concen: 0.628 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Instrument :
MSVOA_N
ClientSampleId :

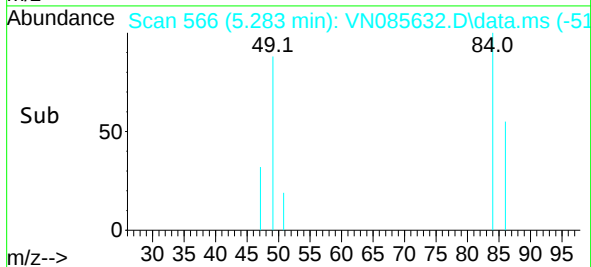
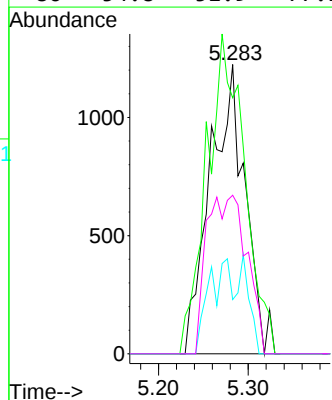
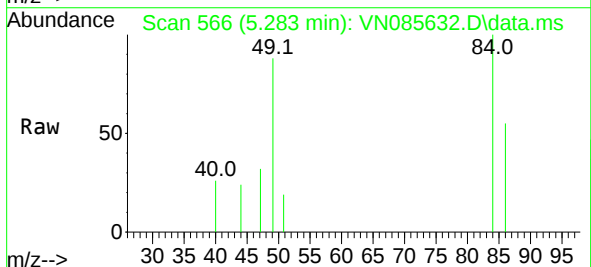


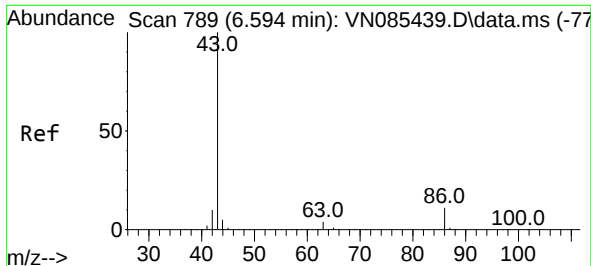
Tgt Ion: 43 Resp: 1600
Ion Ratio Lower Upper
43 100
74 4.2 18.6 28.0#



#20
Methylene Chloride
Concen: 1.596 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Tgt Ion: 84 Resp: 3310
Ion Ratio Lower Upper
84 100
49 88.5 104.1 156.1#
51 18.8 31.0 46.4#
86 54.8 51.9 77.9

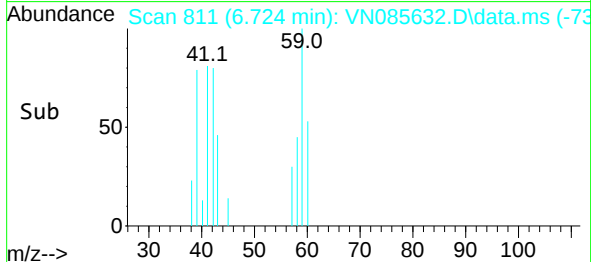
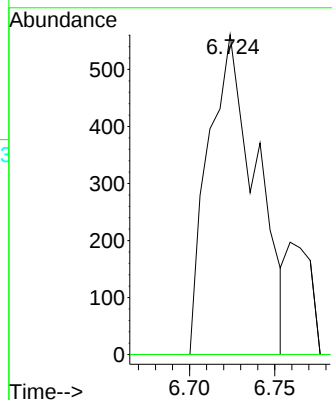
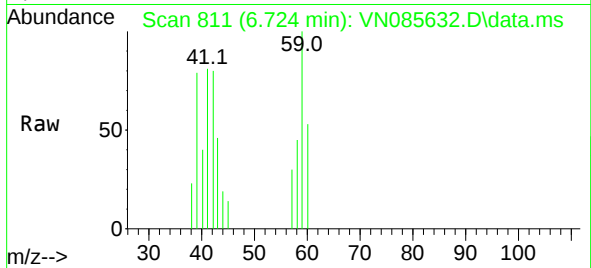




#23
 Vinyl Acetate
 Concen: 0.253 ug/l
 RT: 6.724 min Scan# 811
 Delta R.T. 0.129 min
 Lab File: VN085632.D
 Acq: 03 Feb 2025 19:13

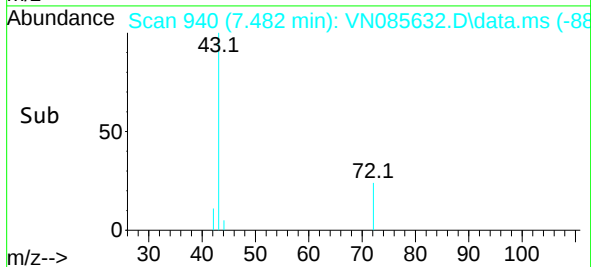
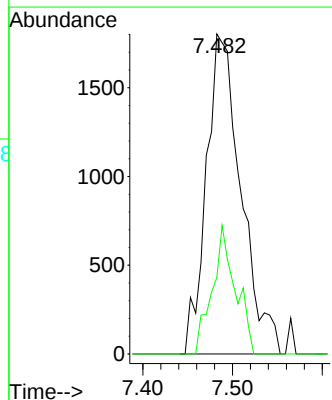
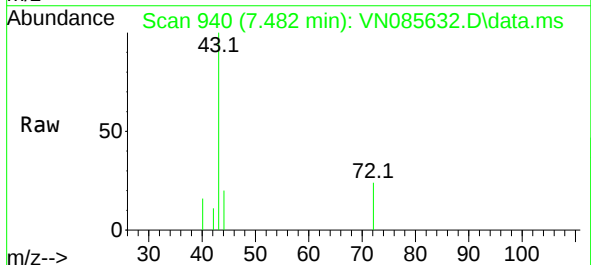
Instrument :
 MSVOA_N
 ClientSampleId :

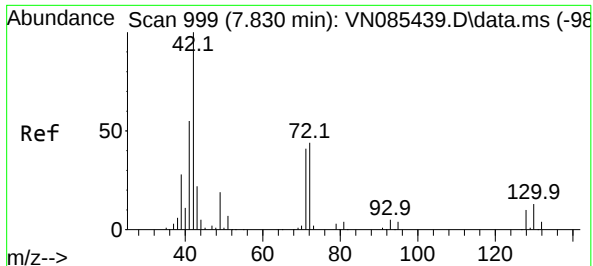
Tgt Ion: 43 Resp: 1099
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.4 12.6#



#25
 2-Butanone
 Concen: 3.930 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. 0.006 min
 Lab File: VN085632.D
 Acq: 03 Feb 2025 19:13

Tgt Ion: 43 Resp: 4846
 Ion Ratio Lower Upper
 43 100
 72 24.0 20.2 30.4





#29

Tetrahydrofuran

Concen: 0.704 ug/l

RT: 7.847 min Scan# 1002

Delta R.T. 0.018 min

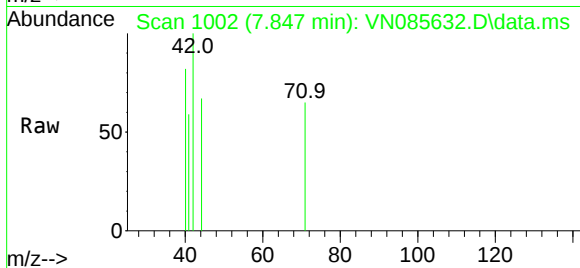
Lab File: VN085632.D

Acq: 03 Feb 2025 19:13

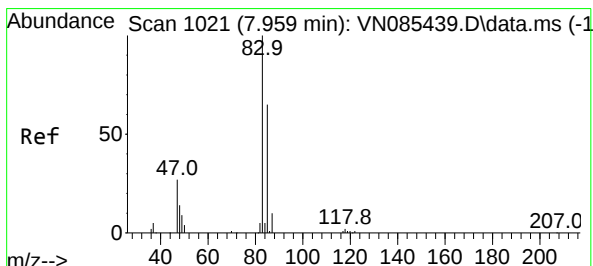
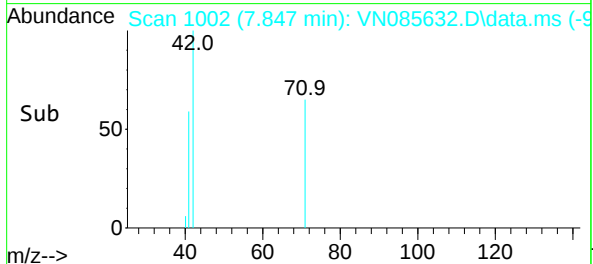
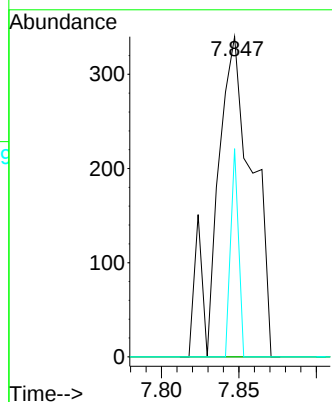
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	550
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.2	51.2#
71	14.2	32.5	48.7#



#30

Chloroform

Concen: 1.235 ug/l

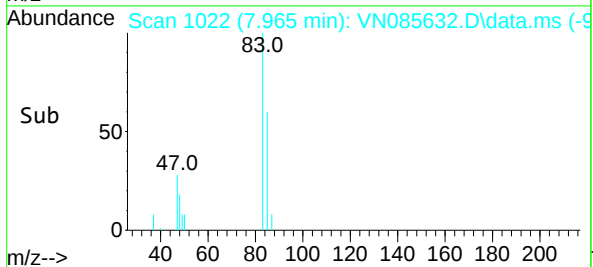
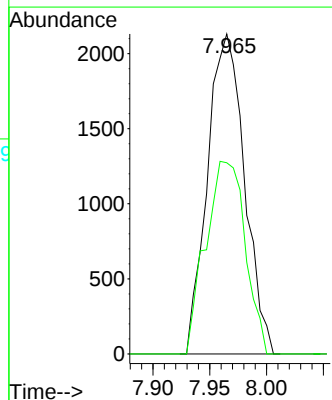
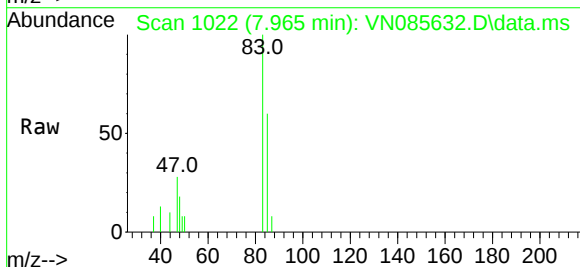
RT: 7.965 min Scan# 1022

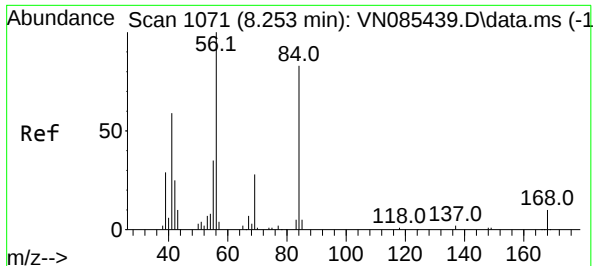
Delta R.T. 0.006 min

Lab File: VN085632.D

Acq: 03 Feb 2025 19:13

Tgt Ion:	83	Resp:	4833
Ion Ratio	Lower	Upper	
83	100		
85	59.7	51.8	77.6





#31

Cyclohexane

Concen: 1.392 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.029 min

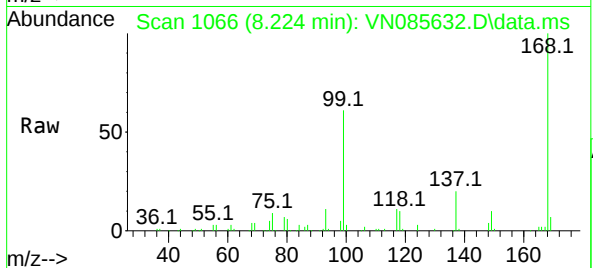
Lab File: VN085632.D

Acq: 03 Feb 2025 19:13

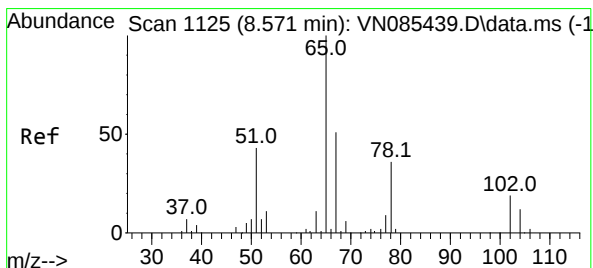
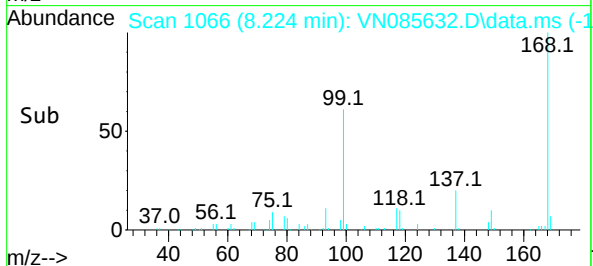
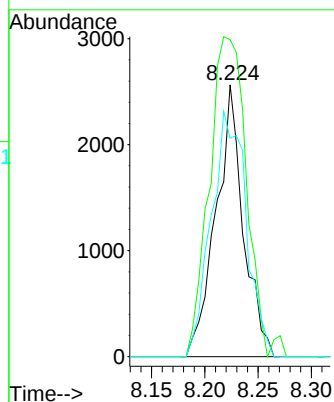
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 56	Resp: 4582
Ion Ratio	Lower Upper
56	100
69	116.6 22.2 33.4#
84	80.3 66.4 99.6



#33

1,2-Dichloroethane-d4

Concen: 52.880 ug/l

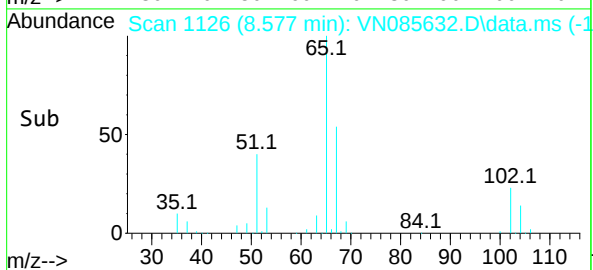
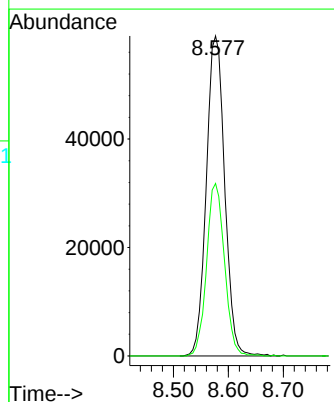
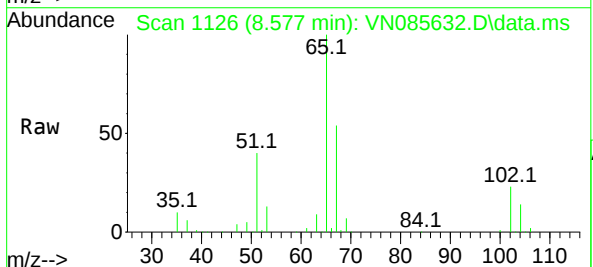
RT: 8.577 min Scan# 1126

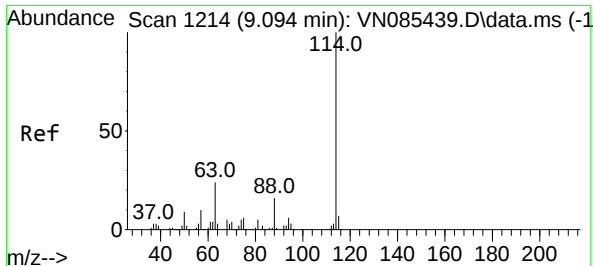
Delta R.T. 0.006 min

Lab File: VN085632.D

Acq: 03 Feb 2025 19:13

Tgt Ion: 65	Resp: 137122
Ion Ratio	Lower Upper
65	100
67	52.5 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: VN085632.D

Acq: 03 Feb 2025 19:13

Instrument :

MSVOA_N

ClientSampleId :

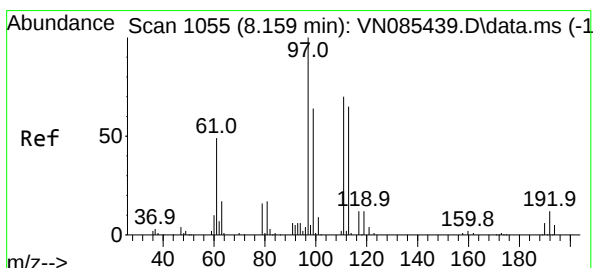
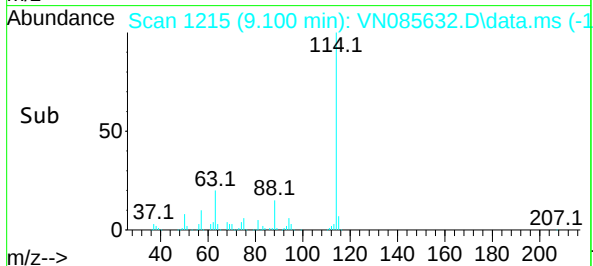
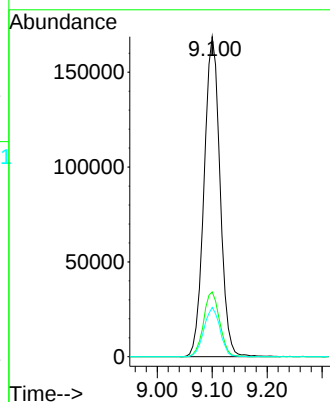
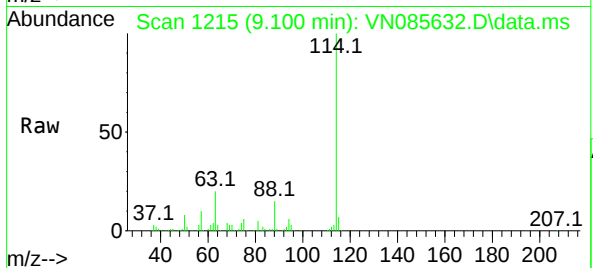
Tgt Ion:114 Resp: 339935

Ion Ratio Lower Upper

114 100

63 20.3 0.0 47.6

88 15.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 45.752 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085632.D

Acq: 03 Feb 2025 19:13

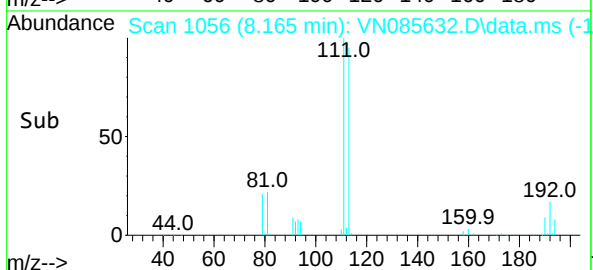
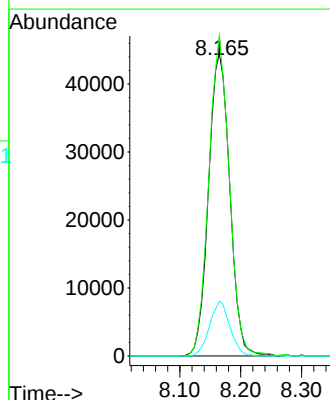
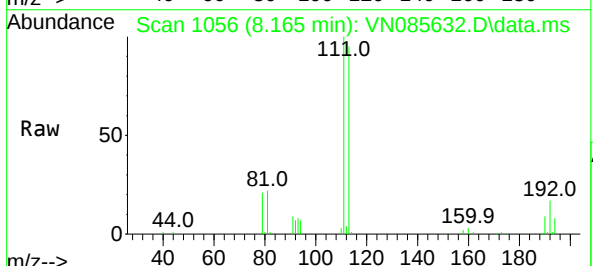
Tgt Ion:113 Resp: 107897

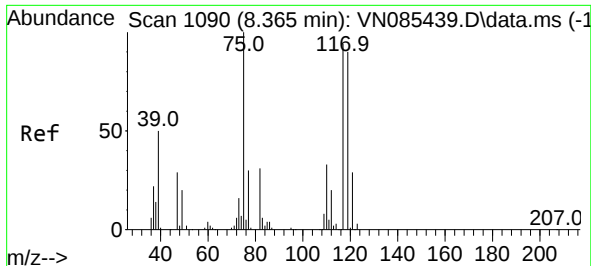
Ion Ratio Lower Upper

113 100

111 102.6 82.7 124.1

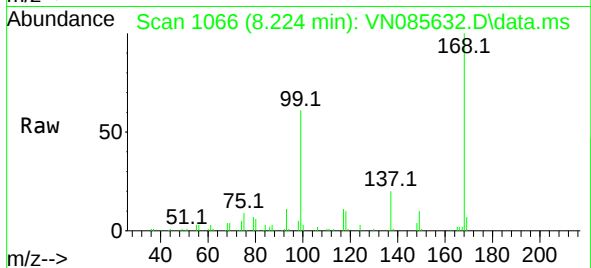
192 17.3 14.3 21.5



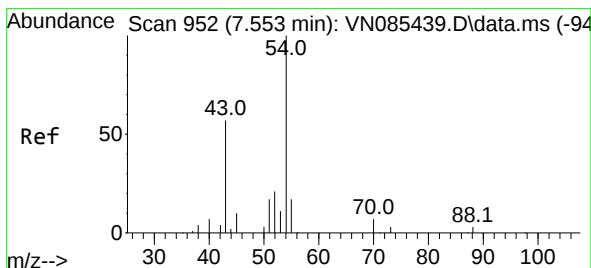
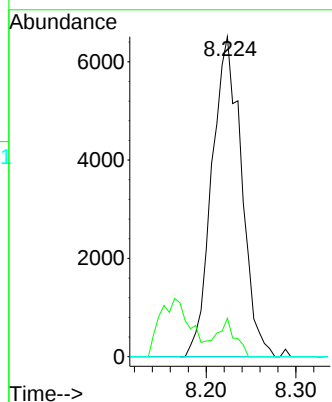
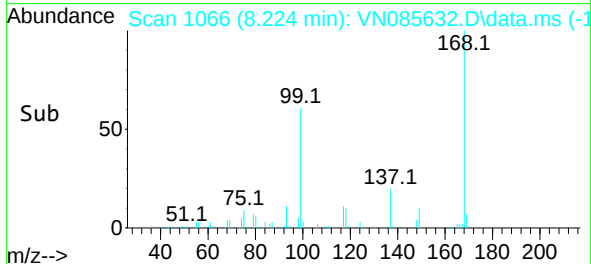


#36
 1,1-Dichloropropene
 Concen: 4.496 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.141 min
 Lab File: VN085632.D
 Acq: 03 Feb 2025 19:13

Instrument :
 MSVOA_N
 ClientSampleId :

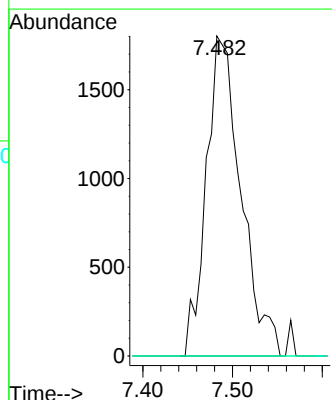
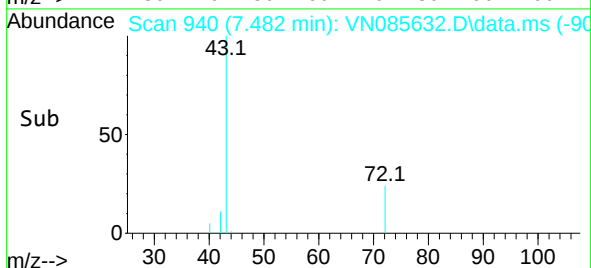
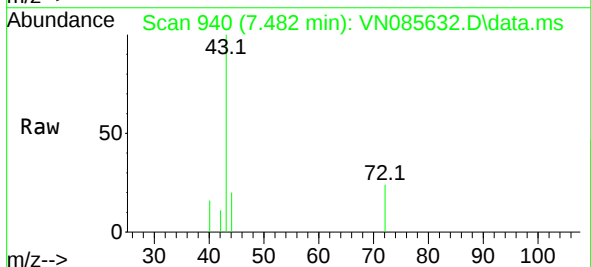


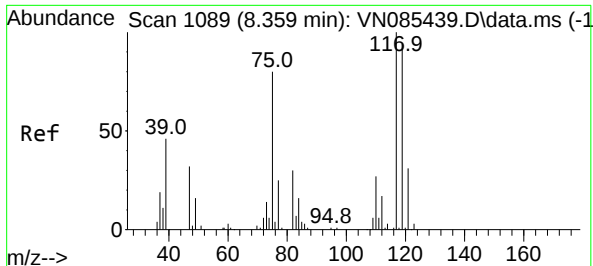
Tgt Ion: 75 Resp: 14882
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.5 49.5#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 1.451 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. -0.071 min
 Lab File: VN085632.D
 Acq: 03 Feb 2025 19:13

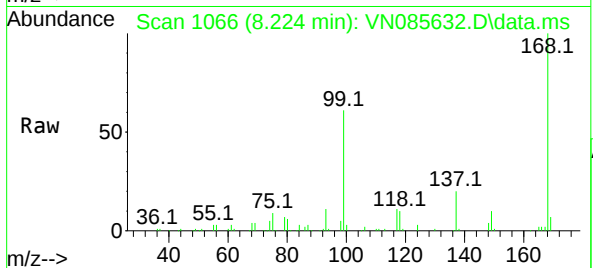
Tgt Ion: 43 Resp: 4846
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 7.5 11.3#



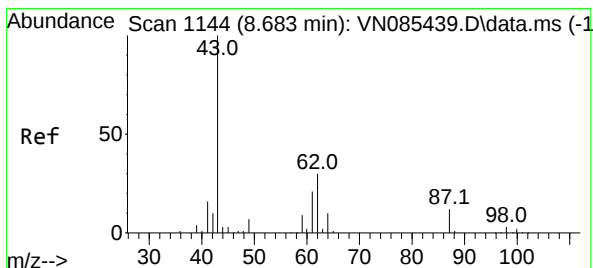
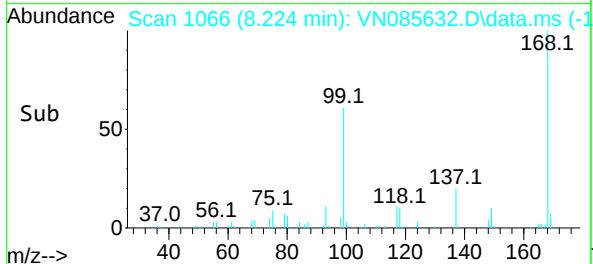
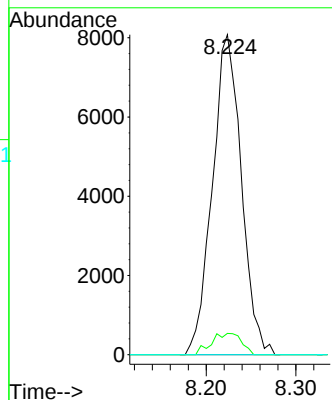


#38
Carbon Tetrachloride
Concen: 4.777 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Instrument :
MSVOA_N
ClientSampleId :

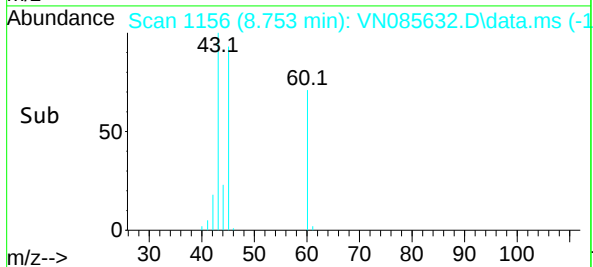
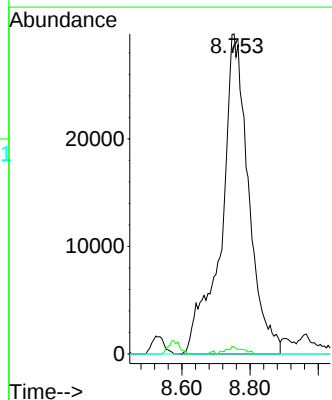
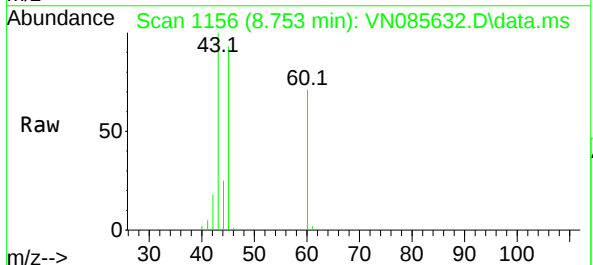


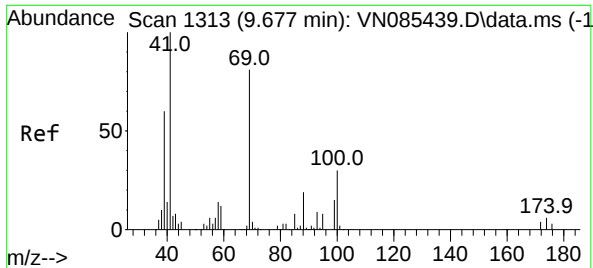
Tgt Ion:117 Resp: 18103
Ion Ratio Lower Upper
117 100
119 6.6 75.4 113.2#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 30.973 ug/l
RT: 8.753 min Scan# 1156
Delta R.T. 0.070 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Tgt Ion: 43 Resp: 165801
Ion Ratio Lower Upper
43 100
61 1.4 20.7 31.1#
87 0.0 9.8 14.8#

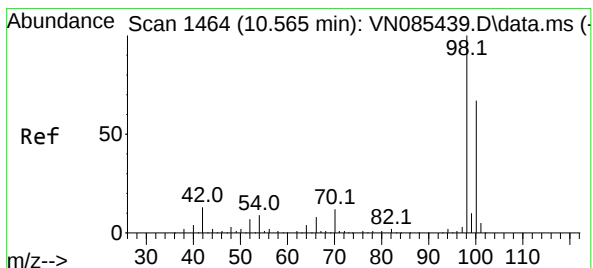
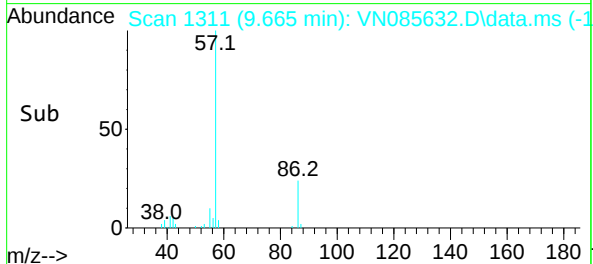
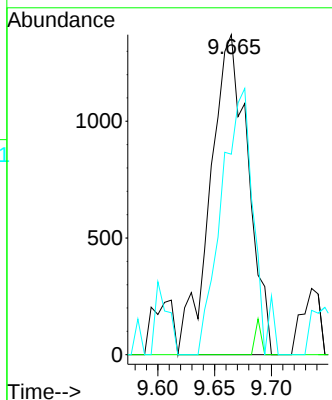
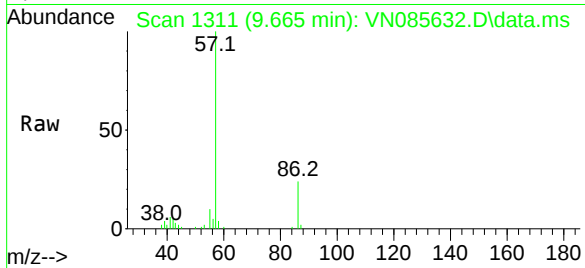




#48
Methyl methacrylate
Concen: 1.309 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

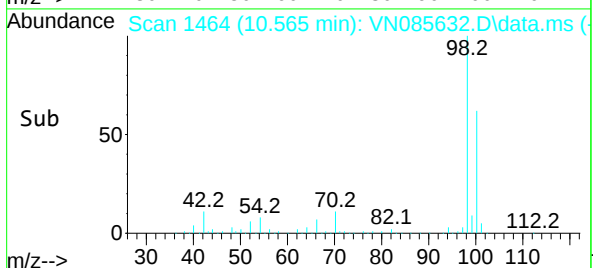
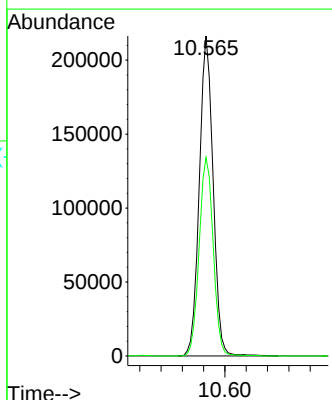
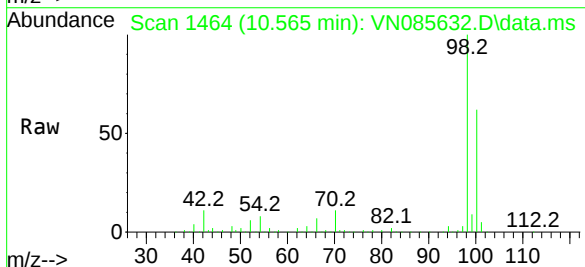
Instrument :
MSVOA_N
ClientSampleId :

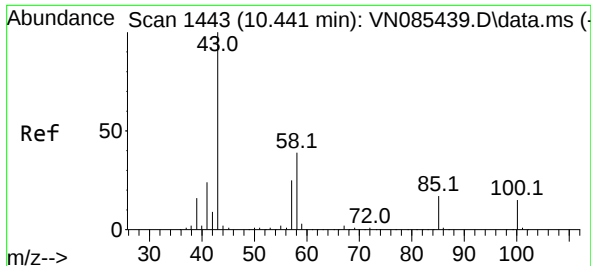
Tgt Ion: 41 Resp: 3153
Ion Ratio Lower Upper
41 100
69 0.0 64.7 97.1#
39 0.0 49.0 73.6#



#50
Toluene-d8
Concen: 46.336 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Tgt Ion: 98 Resp: 388253
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.4

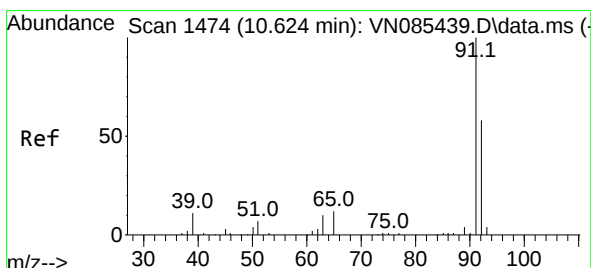
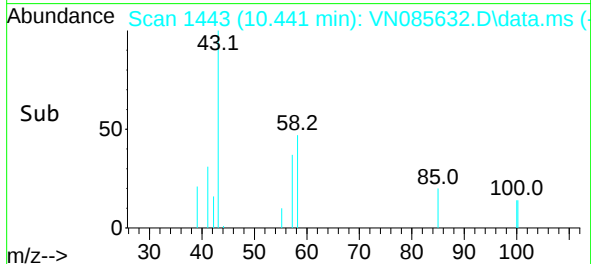
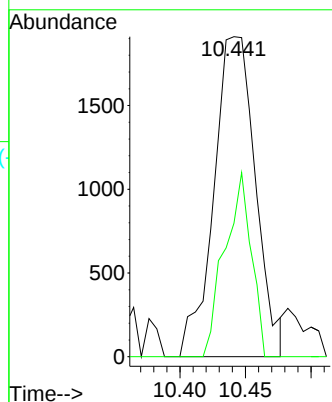
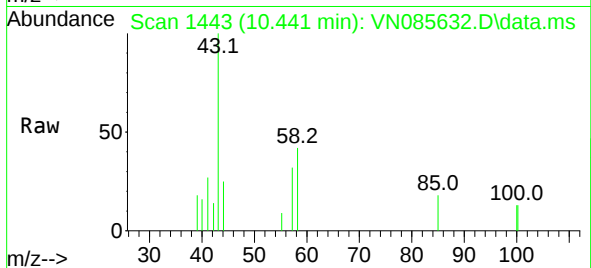




#51
4-Methyl-2-Pentanone
Concen: 1.364 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

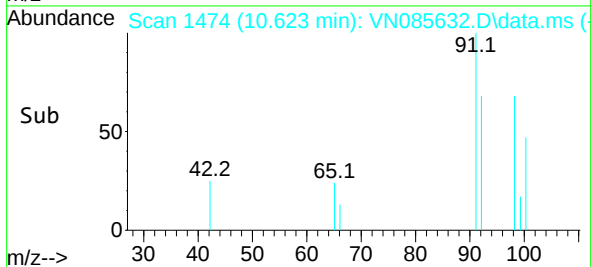
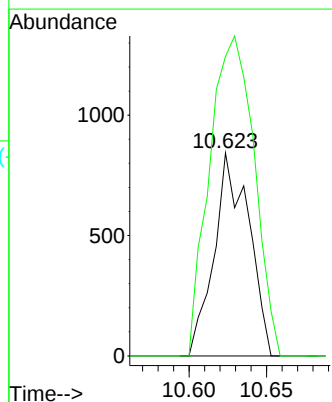
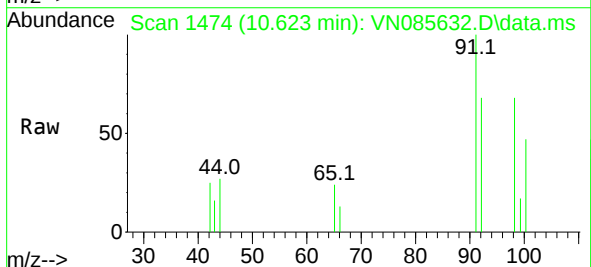
Instrument :
MSVOA_N
ClientSampleId :

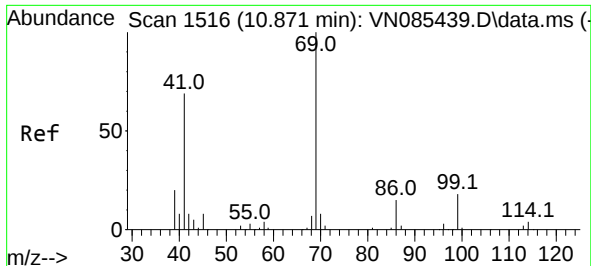
Tgt Ion: 43 Resp: 4237
Ion Ratio Lower Upper
43 100
58 36.5 30.5 45.7



#52
Toluene
Concen: 0.228 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.001 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Tgt Ion: 92 Resp: 1313
Ion Ratio Lower Upper
92 100
91 202.4 139.2 208.8

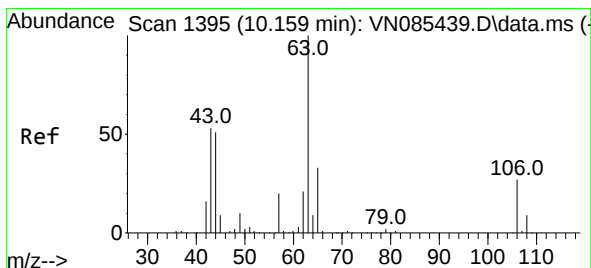
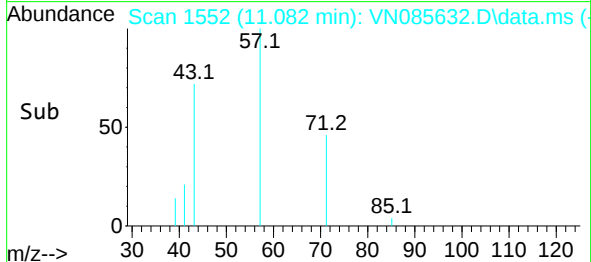
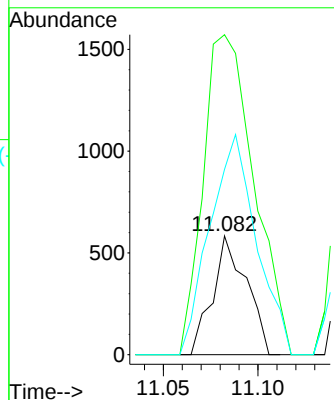
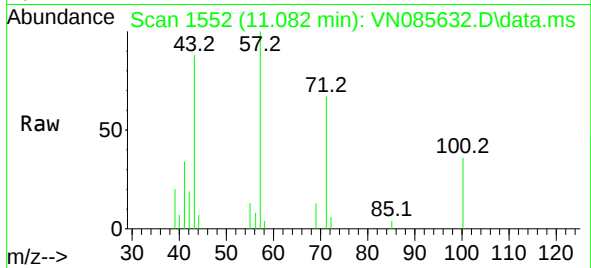




#56
Ethyl methacrylate
Concen: 2.113 ug/l
RT: 11.082 min Scan# 11
Delta R.T. 0.211 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

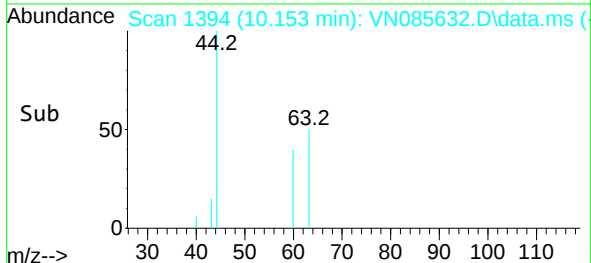
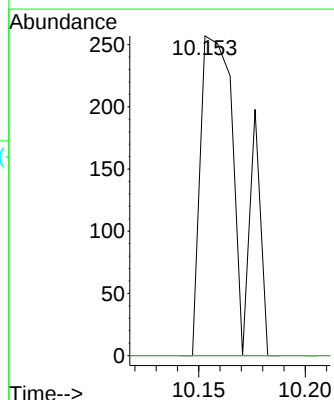
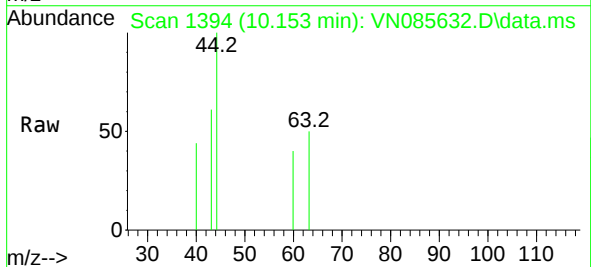
Instrument :
MSVOA_N
ClientSampleId :

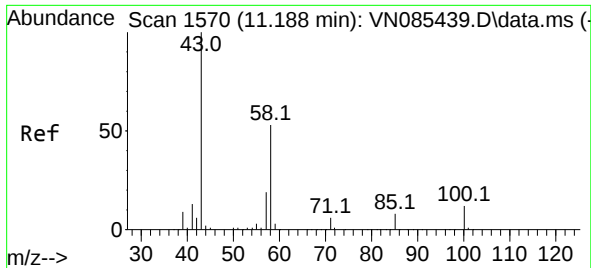
Tgt Ion: 69 Resp: 727
Ion Ratio Lower Upper
69 100
41 402.6 54.6 82.0#
39 253.9 32.4 48.6#



#58
2-Chloroethyl Vinyl ether
Concen: 0.227 ug/l
RT: 10.153 min Scan# 1394
Delta R.T. -0.006 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Tgt Ion: 63 Resp: 329
Ion Ratio Lower Upper
63 100
106 0.0 21.6 32.4#

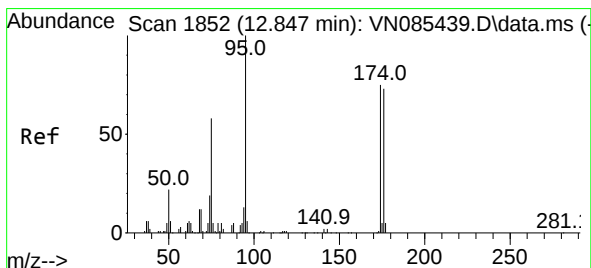
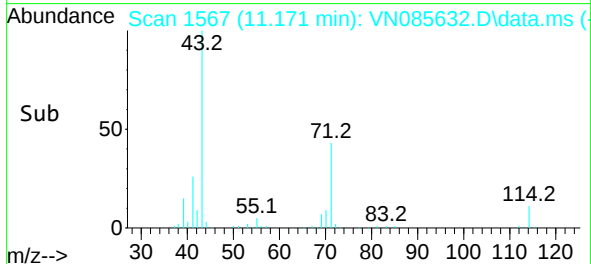
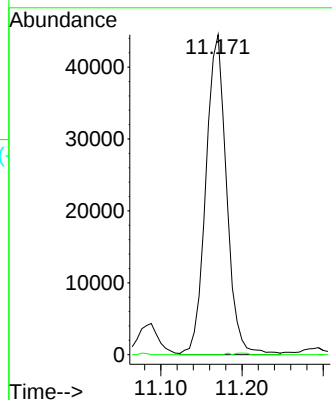
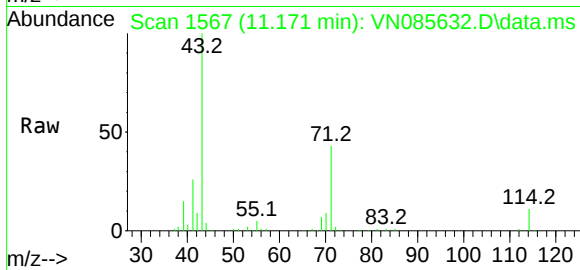




#59
2-Hexanone
Concen: 36.013 ug/l
RT: 11.171 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

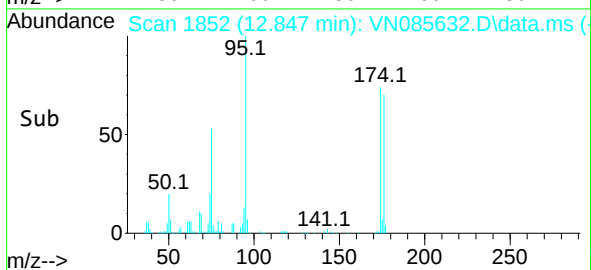
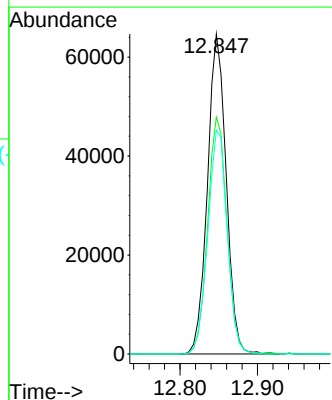
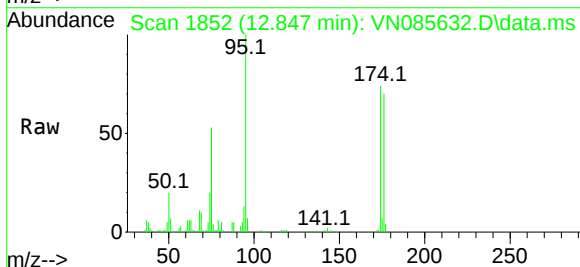
Instrument :
MSVOA_N
ClientSampleId :

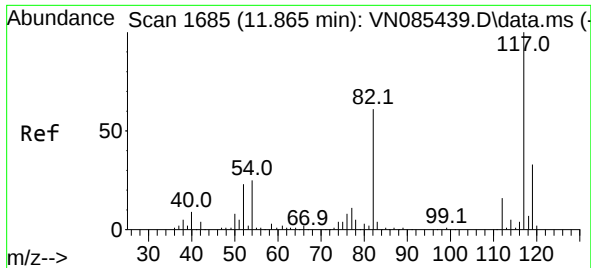
Tgt Ion: 43 Resp: 78714
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.6#



#62
4-Bromofluorobenzene
Concen: 37.837 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Tgt Ion: 95 Resp: 108452
Ion Ratio Lower Upper
95 100
174 76.1 0.0 145.0
176 72.8 0.0 142.4

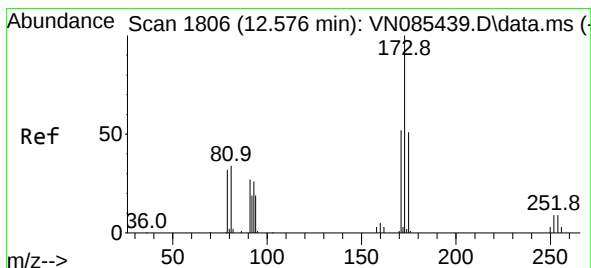
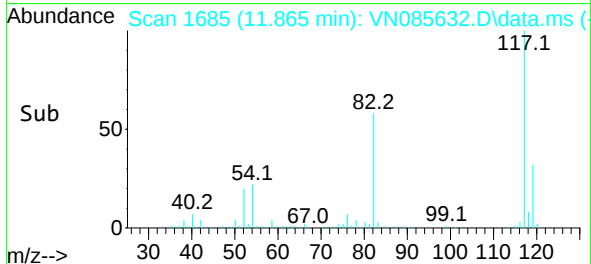
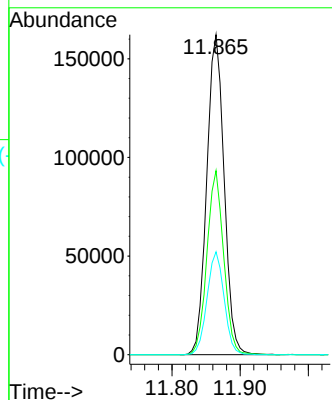
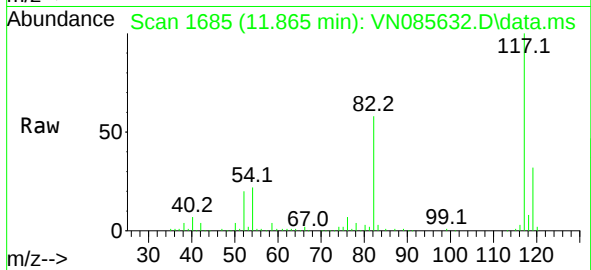




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

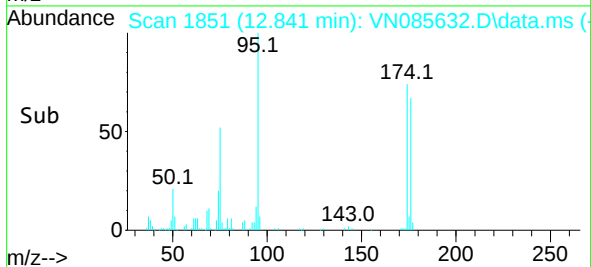
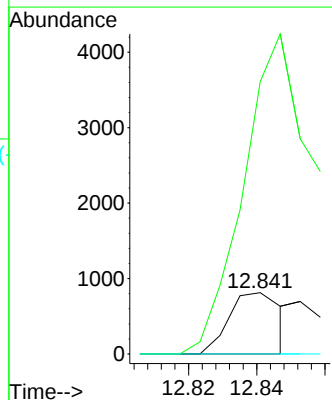
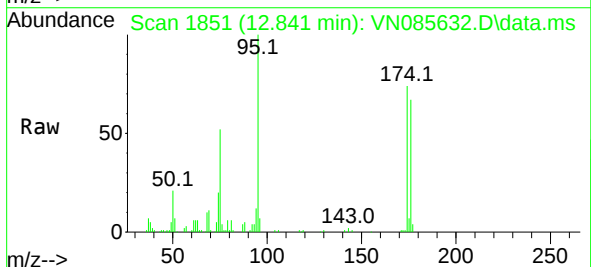
Instrument :
MSVOA_N
ClientSampleId :

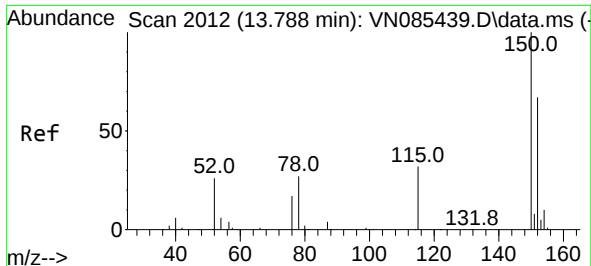
Tgt Ion:117 Resp: 288192
Ion Ratio Lower Upper
117 100
82 57.5 48.6 72.8
119 32.1 26.6 39.8



#71
Bromoform
Concen: 0.525 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

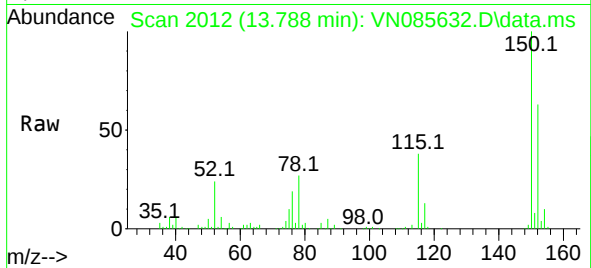
Tgt Ion:173 Resp: 870
Ion Ratio Lower Upper
173 100
175 554.9 24.4 73.2#
254 0.0 0.0 0.0



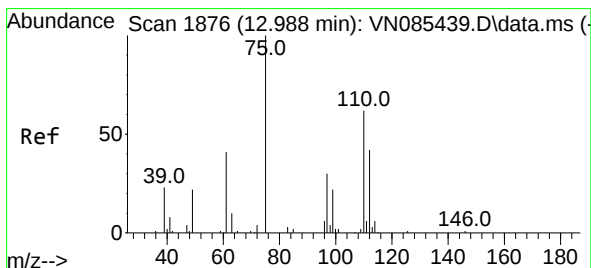
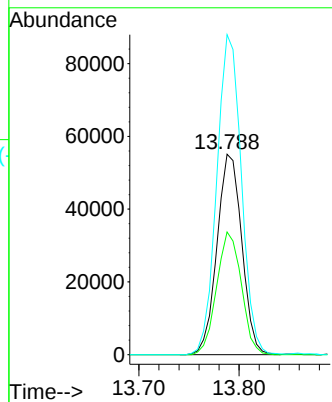
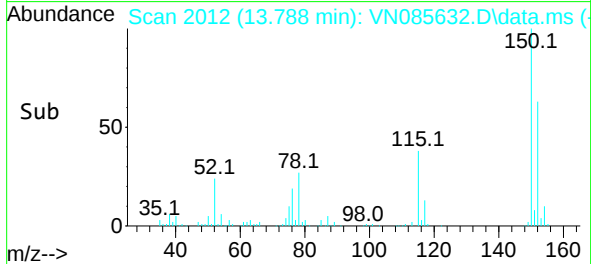


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085632.D
 Acq: 03 Feb 2025 19:13

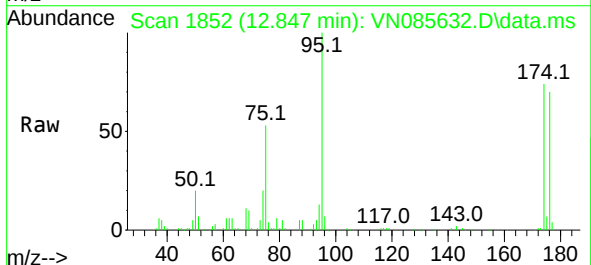
Instrument :
 MSVOA_N
 ClientSampleId :



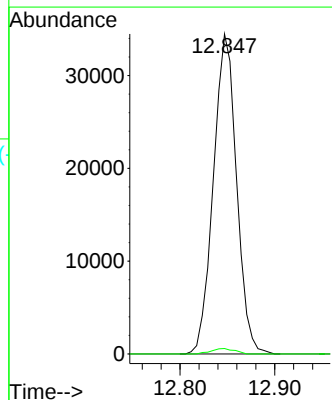
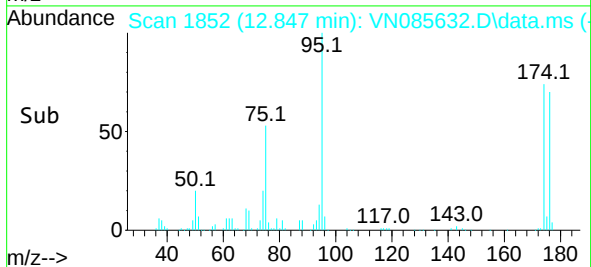
Tgt Ion:152 Resp: 94832
 Ion Ratio Lower Upper
 152 100
 115 60.6 31.1 93.3
 150 158.0 0.0 343.6

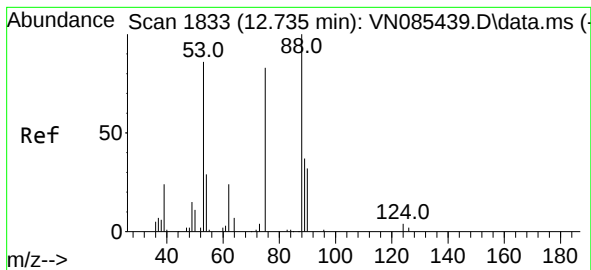


#76
 1,2,3-Trichloropropane
 Concen: 30.469 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085632.D
 Acq: 03 Feb 2025 19:13



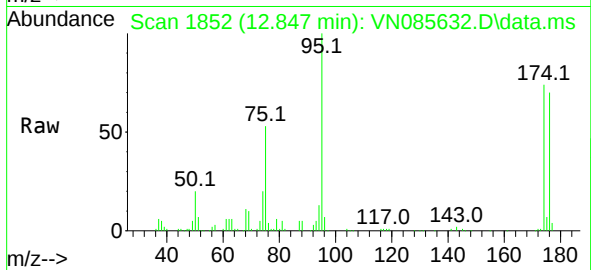
Tgt Ion: 75 Resp: 58729
 Ion Ratio Lower Upper
 75 100
 77 1.7 109.7 329.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 82.437 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN085632.D
Acq: 03 Feb 2025 19:13

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 58729
Ion Ratio Lower Upper
75 100
53 0.1 95.6 143.4#
89 0.1 37.0 55.6#

