

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031025\
 Data File : VN085920.D
 Acq On : 10 Mar 2025 17:35
 Operator : JC\MD
 Sample : Q1514-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 11 01:40:22 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)

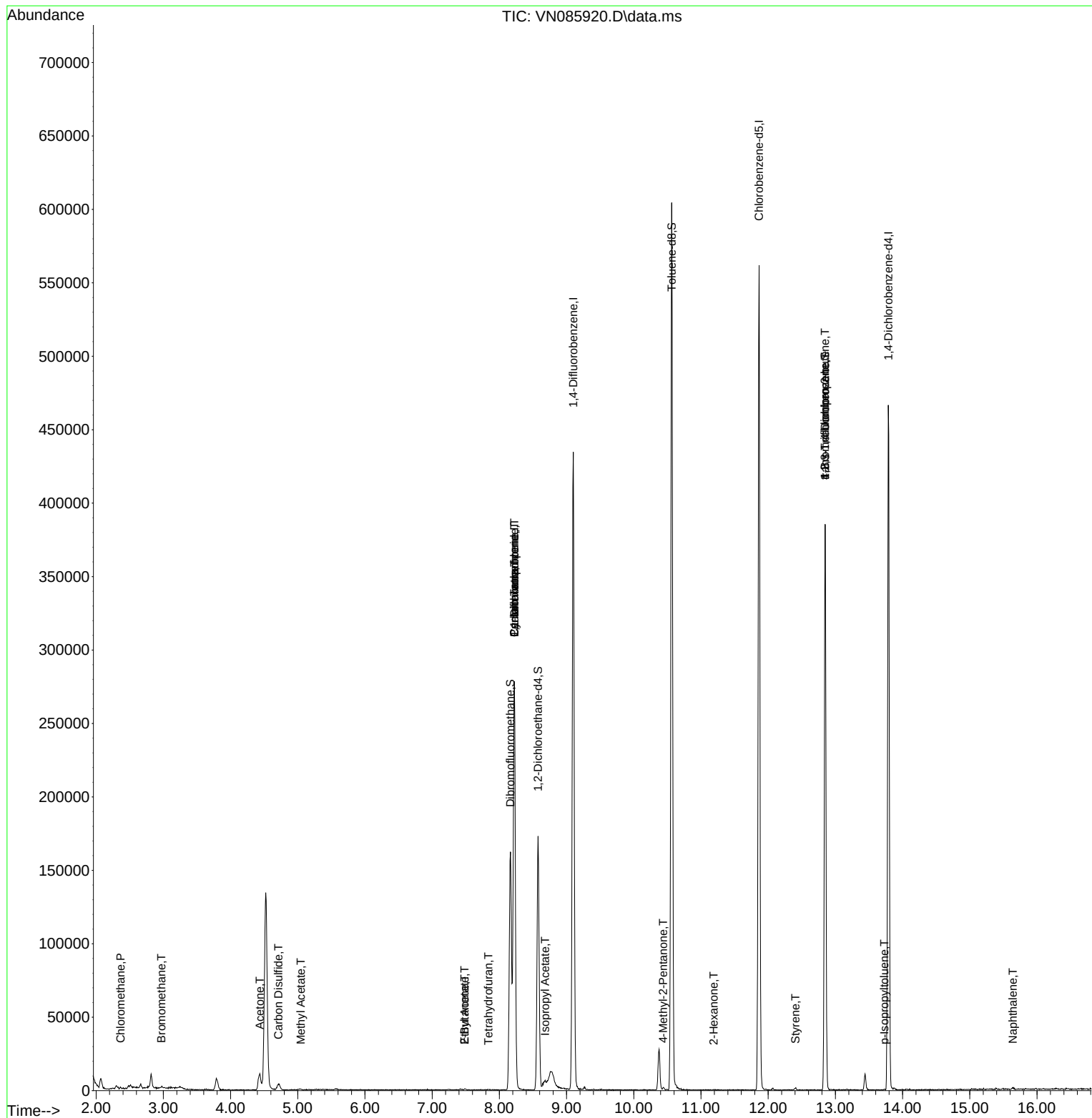
Internal Standards						
1) Pentafluorobenzene	8.224	168	199177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	373736	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	326066	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	138417	53.603	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 107.200%		
35) Dibromofluoromethane	8.165	113	118331	48.386	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.780%		
50) Toluene-d8	10.565	98	424658	47.727	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.460%		
62) 4-Bromofluorobenzene	12.847	95	137377	46.861	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 93.720%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	618	0.227	ug/l #	41
5) Bromomethane	2.971	94	651	0.354	ug/l	89
16) Acetone	4.436	43	21342	26.120	ug/l	97
17) Carbon Disulfide	4.712	76	1646	0.254	ug/l #	75
18) Methyl Acetate	5.047	43	1189	0.423	ug/l #	55
25) 2-Butanone	7.482	43	1026	0.854	ug/l #	45
29) Tetrahydrofuran	7.835	42	178	0.229	ug/l #	53
31) Cyclohexane	8.224	56	4501	1.220	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	16778	4.848	ug/l #	49
37) Ethyl Acetate	7.482	43	1026	0.360	ug/l #	66
38) Carbon Tetrachloride	8.224	117	21115	5.134	ug/l #	20
43) Isopropyl Acetate	8.682	43	5133	0.486	ug/l #	53
51) 4-Methyl-2-Pentanone	10.435	43	1224	0.446	ug/l	87
59) 2-Hexanone	11.188	43	423	0.224	ug/l #	39
70) Styrene	12.406	104	817	0.698	ug/l	94
76) 1,2,3-Trichloropropane	12.847	75	68120	23.552	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68120	68.719	ug/l #	12
86) p-Isopropyltoluene	13.729	119	161	0.647	ug/l #	50
95) Naphthalene	15.641	128	1851	0.326	ug/l #	78

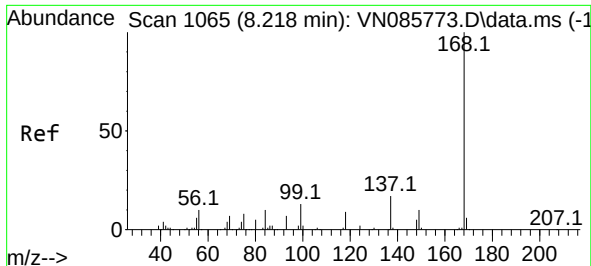
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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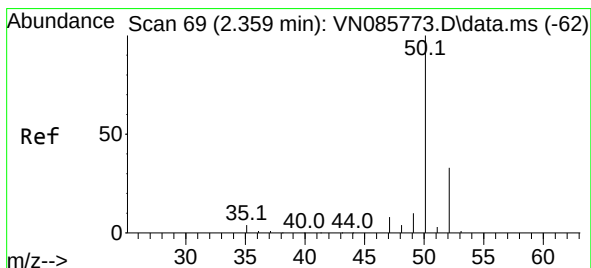
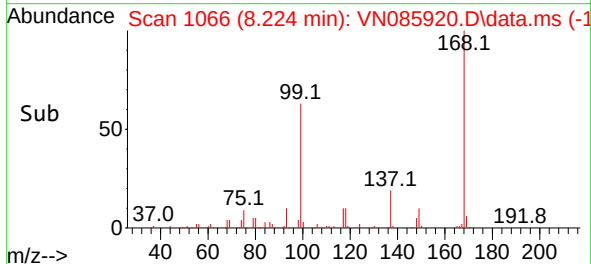
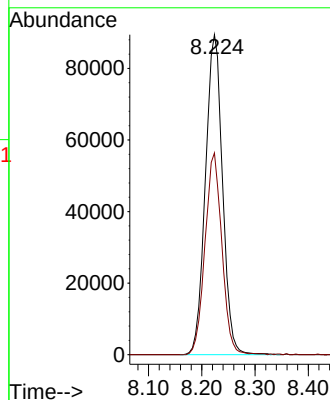
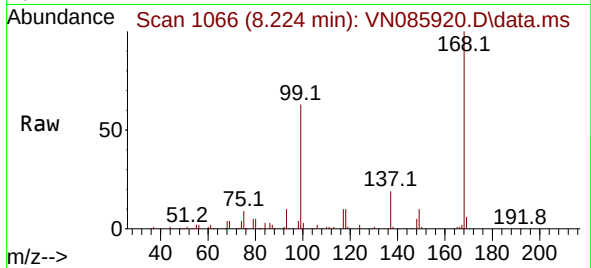




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

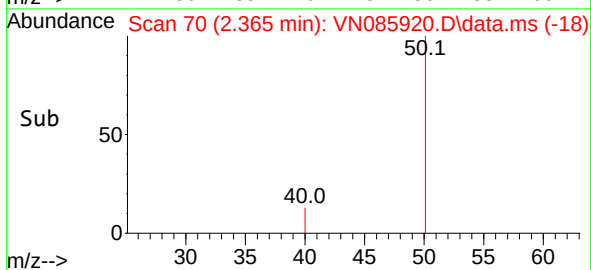
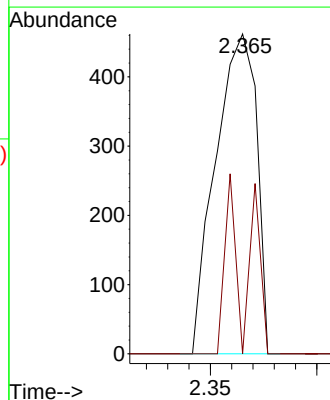
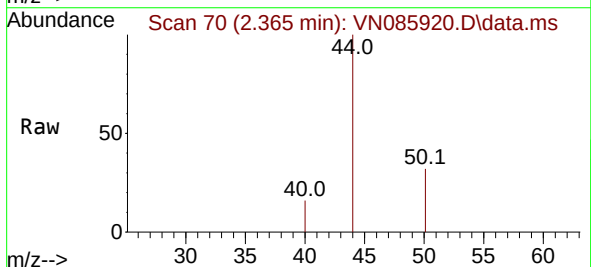
Instrument :
MSVOA_N
ClientSampleId :

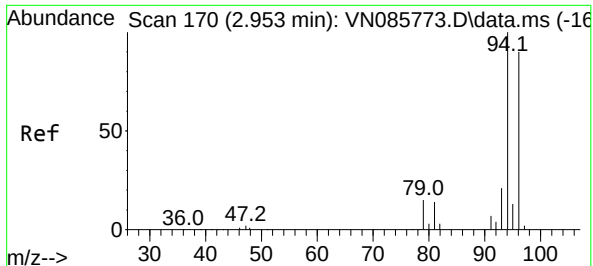
Tgt Ion:168 Resp: 199177
Ion Ratio Lower Upper
168 100
99 63.1 47.9 71.9



#3
Chloromethane
Concen: 0.227 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

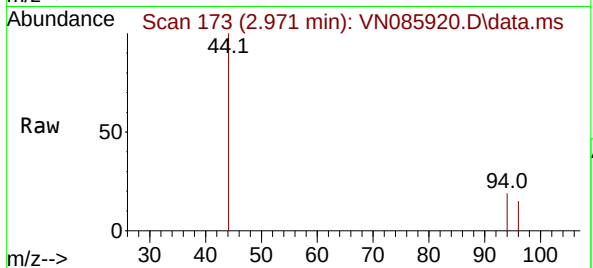
Tgt Ion: 50 Resp: 618
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#



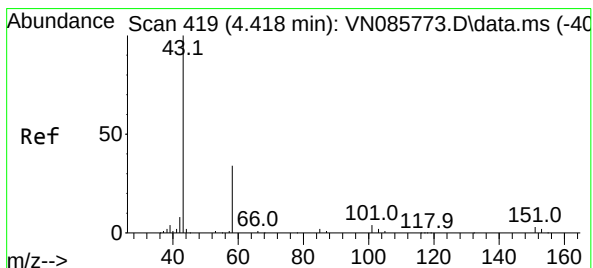
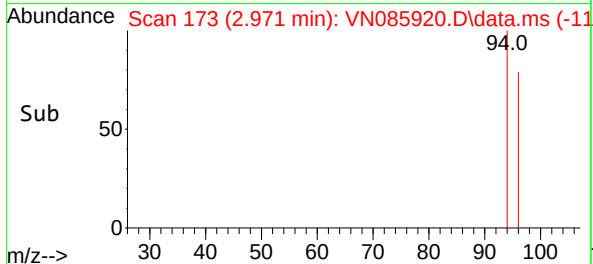
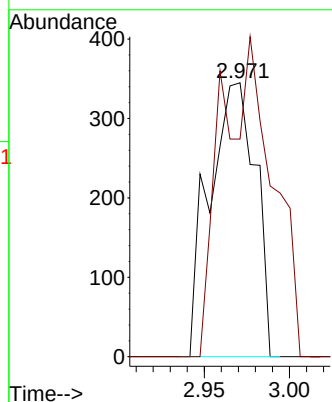


#5
Bromomethane
Concen: 0.354 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :

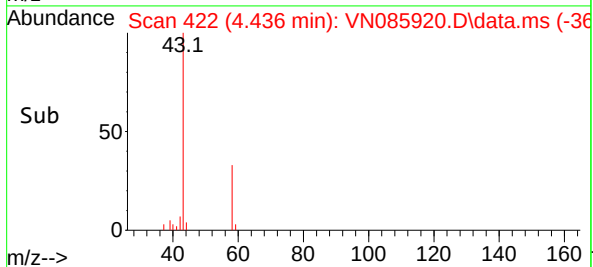
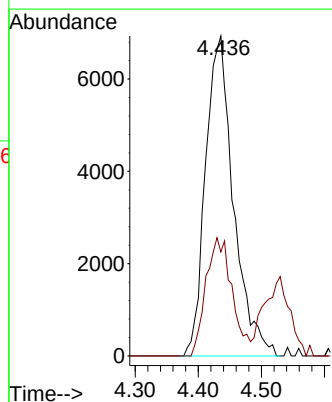
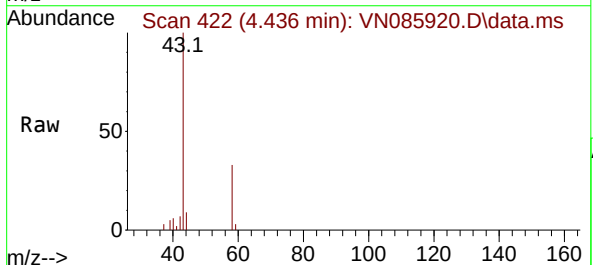


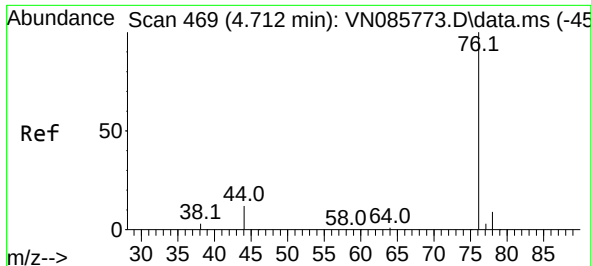
Tgt Ion: 94 Resp: 651
Ion Ratio Lower Upper
94 100
96 79.4 71.7 107.5



#16
Acetone
Concen: 26.120 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.017 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 43 Resp: 21342
Ion Ratio Lower Upper
43 100
58 32.5 27.5 41.3

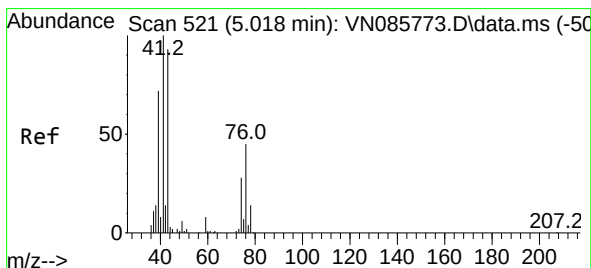
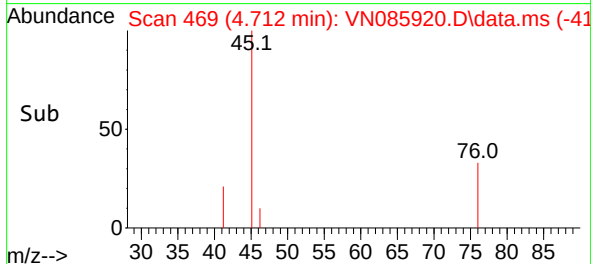
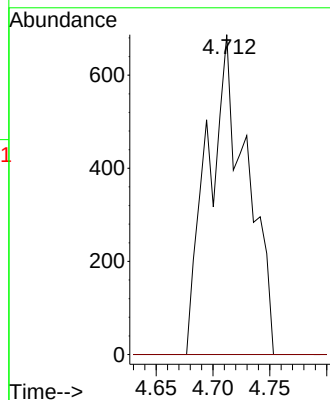
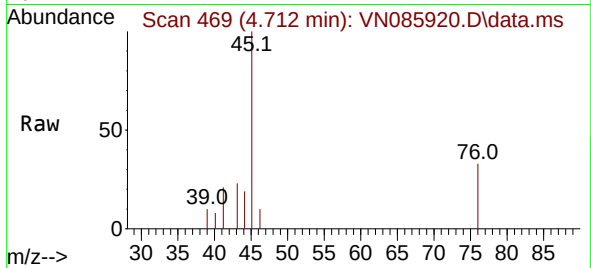




#17
Carbon Disulfide
Concen: 0.254 ug/l
RT: 4.712 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

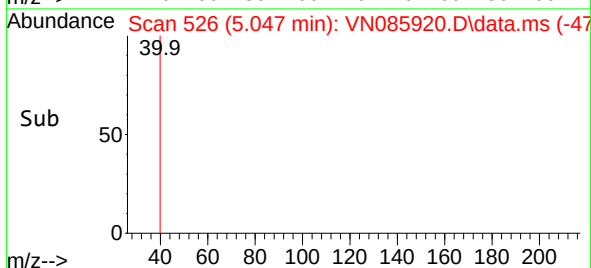
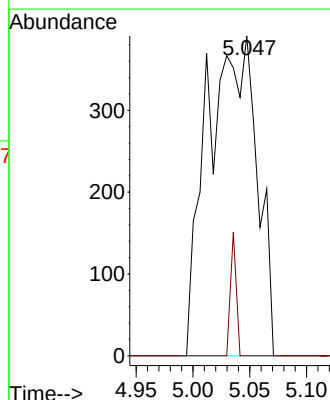
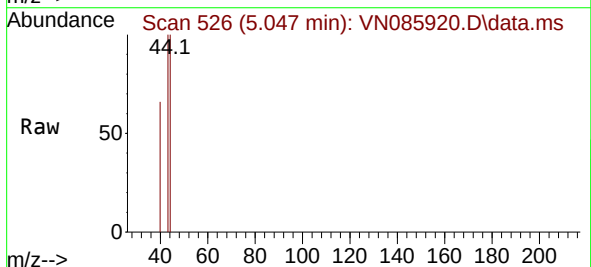
Instrument :
MSVOA_N
ClientSampleId :

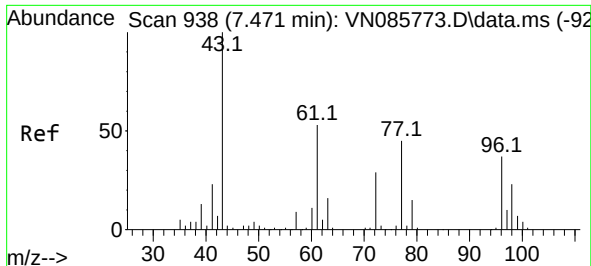
Tgt Ion: 76 Resp: 1646
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.423 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.029 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

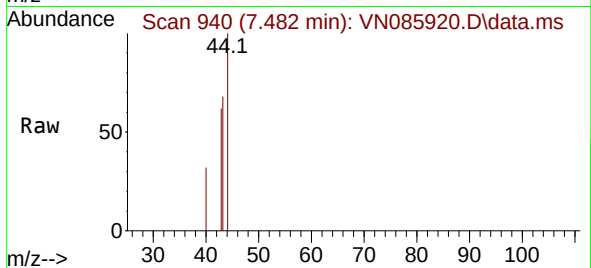
Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
74 4.5 22.2 33.4#



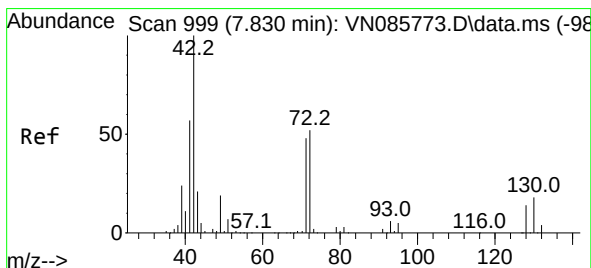
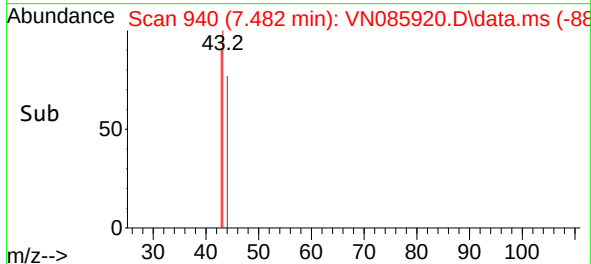
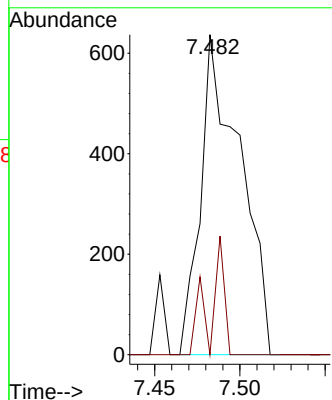


#25
2-Butanone
Concen: 0.854 ug/l
RT: 7.482 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :

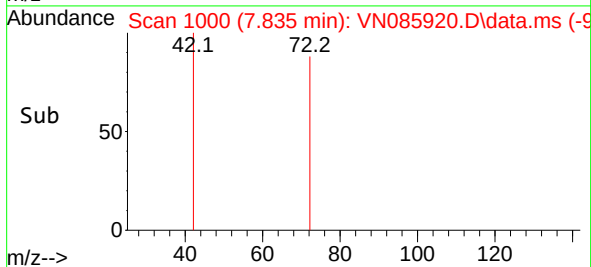
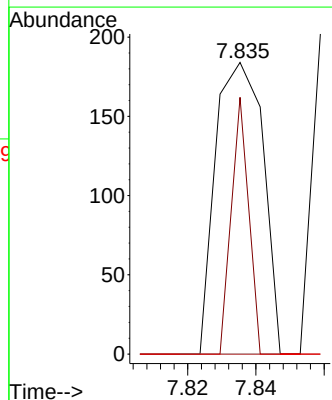
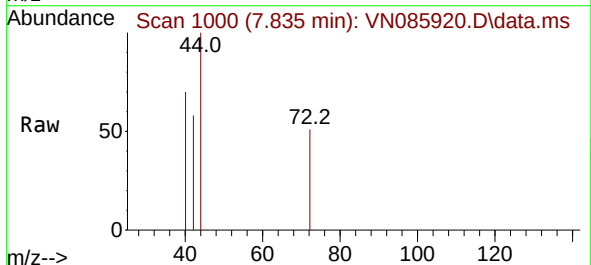


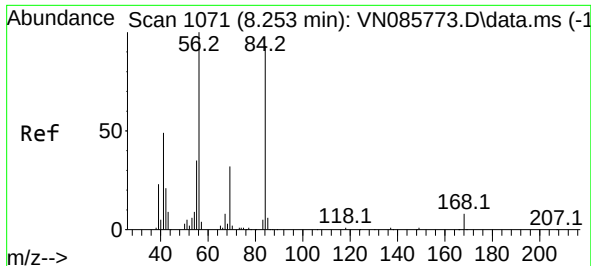
Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
72 0.0 23.6 35.4#



#29
Tetrahydrofuran
Concen: 0.229 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

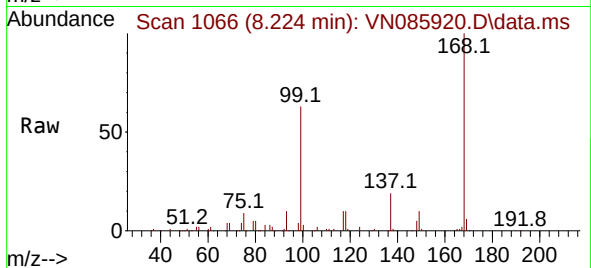
Tgt Ion: 42 Resp: 178
Ion Ratio Lower Upper
42 100
72 32.0 40.0 60.0#
71 0.0 37.0 55.4#



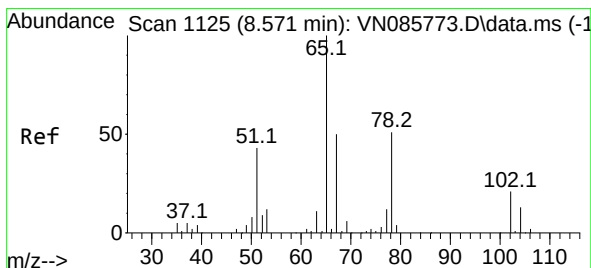
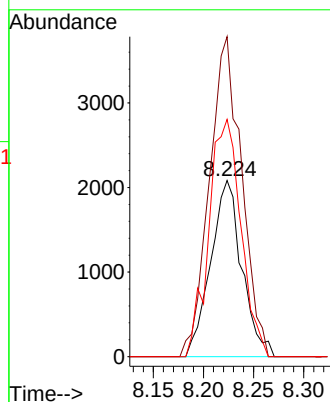
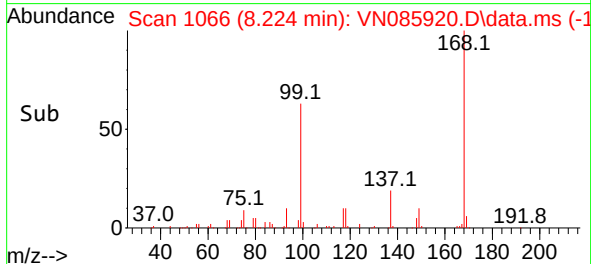


#31
Cyclohexane
Concen: 1.220 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :

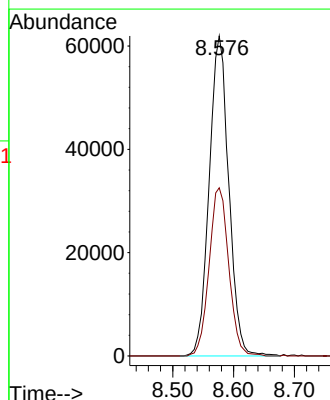
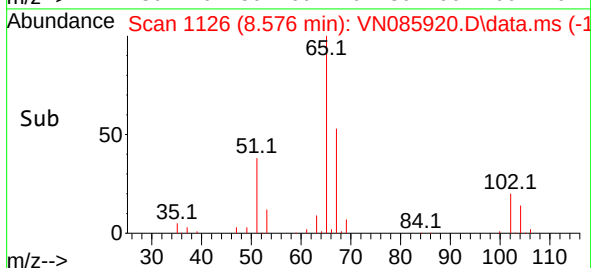
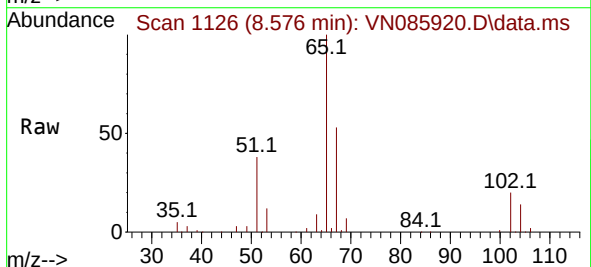


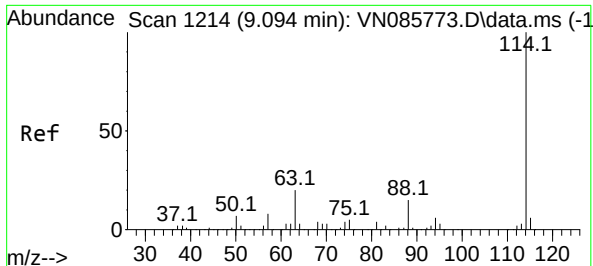
Tgt Ion: 56 Resp: 4501
Ion Ratio Lower Upper
56 100
69 181.7 25.8 38.6#
84 134.7 74.5 111.7#



#33
1,2-Dichloroethane-d4
Concen: 53.603 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 65 Resp: 138417
Ion Ratio Lower Upper
65 100
67 52.7 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: VN085920.D

Acq: 10 Mar 2025 17:35

Instrument :

MSVOA_N

ClientSampleId :

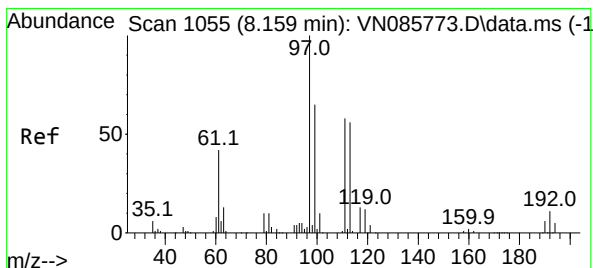
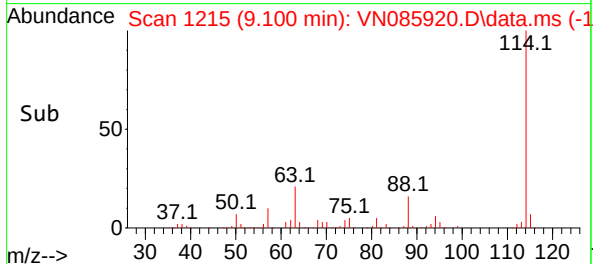
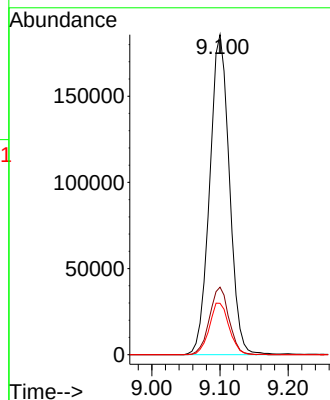
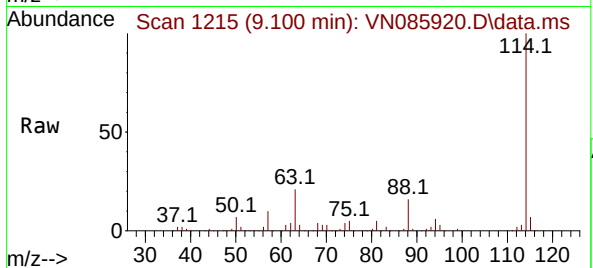
Tgt Ion:114 Resp: 373736

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.2

88 16.1 0.0 30.0



#35

Dibromofluoromethane

Concen: 48.386 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085920.D

Acq: 10 Mar 2025 17:35

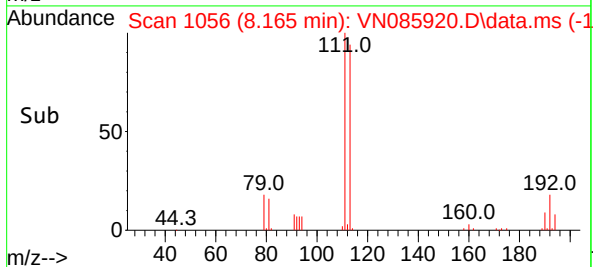
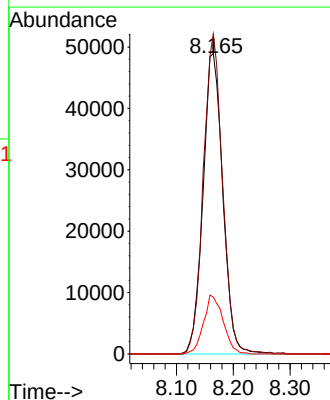
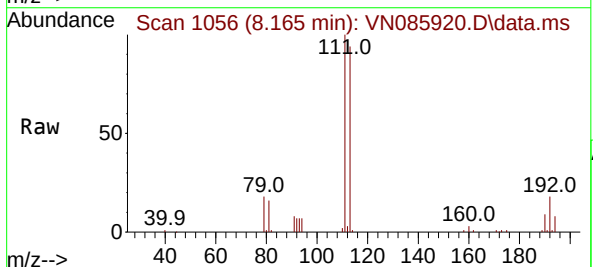
Tgt Ion:113 Resp: 118331

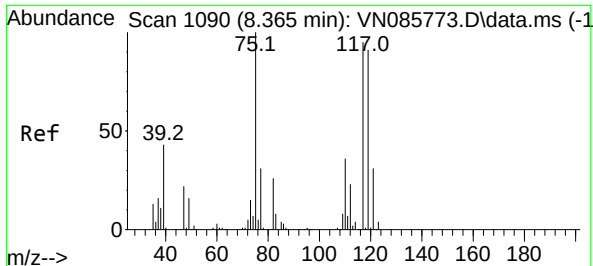
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 19.4 14.7 22.1





#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN085920.D

Acq: 10 Mar 2025 17:35

Instrument :

MSVOA_N

ClientSampleId :

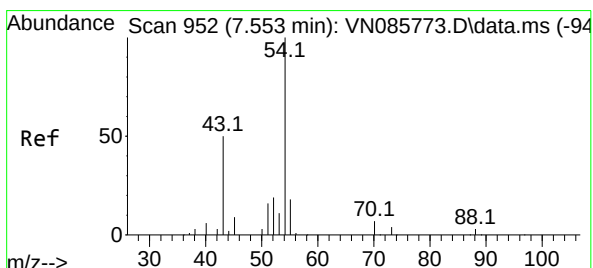
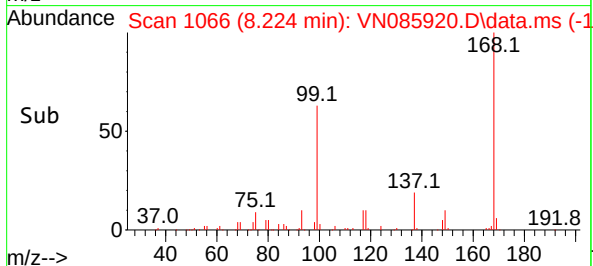
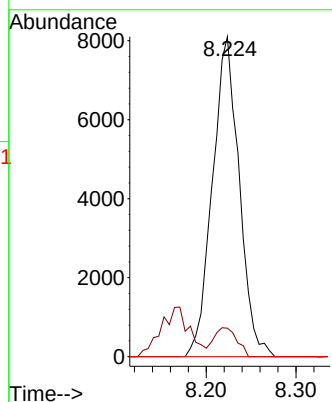
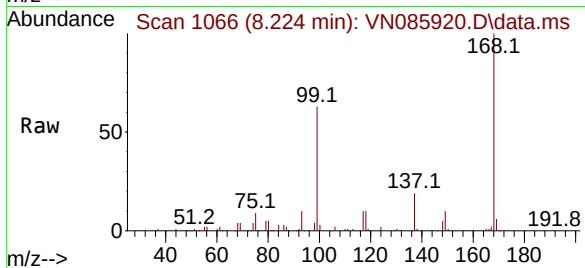
Tgt Ion: 75 Resp: 16778

Ion Ratio Lower Upper

75 100

110 7.7 17.3 52.0#

77 0.0 24.6 37.0#



#37

Ethyl Acetate

Concen: 0.360 ug/l

RT: 7.482 min Scan# 940

Delta R.T. -0.071 min

Lab File: VN085920.D

Acq: 10 Mar 2025 17:35

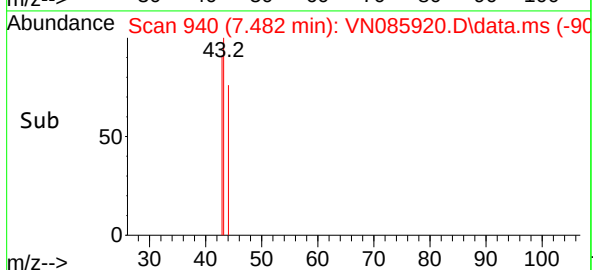
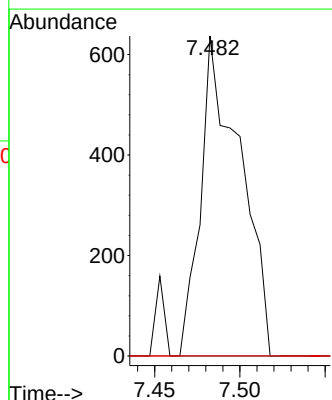
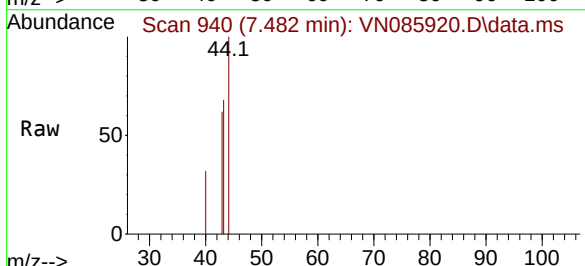
Tgt Ion: 43 Resp: 1026

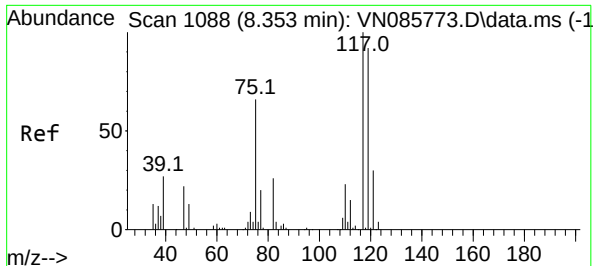
Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

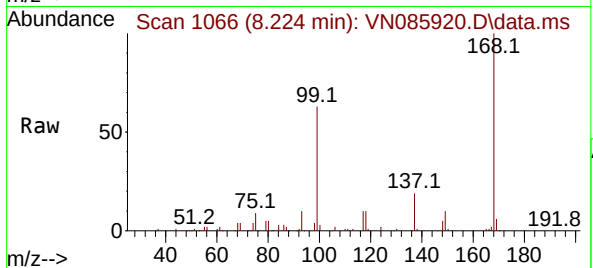
70 0.0 9.5 14.3#



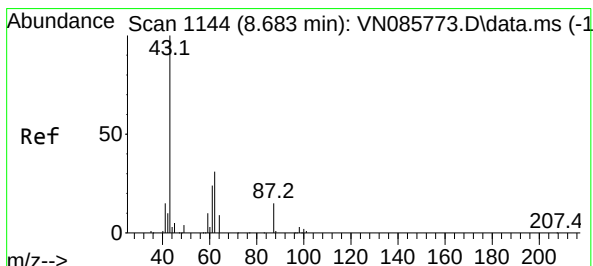
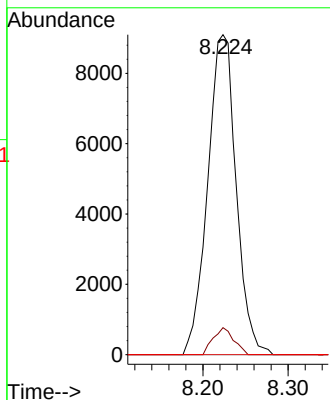
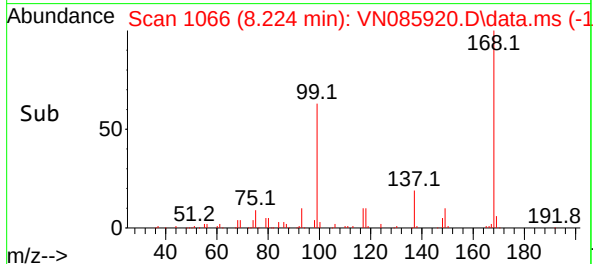


#38
Carbon Tetrachloride
Concen: 5.134 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.130 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

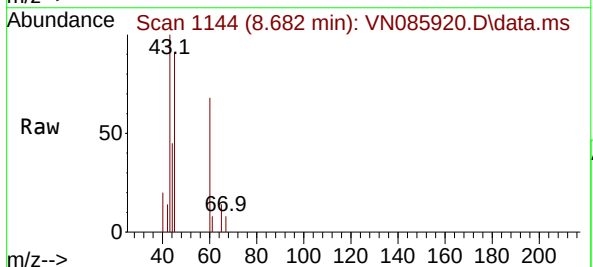
Instrument :
MSVOA_N
ClientSampleId :



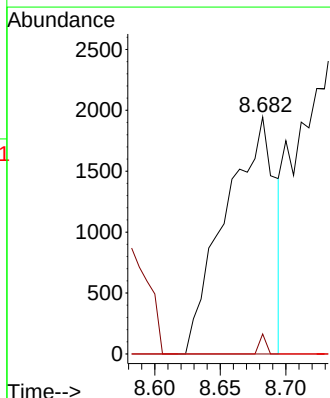
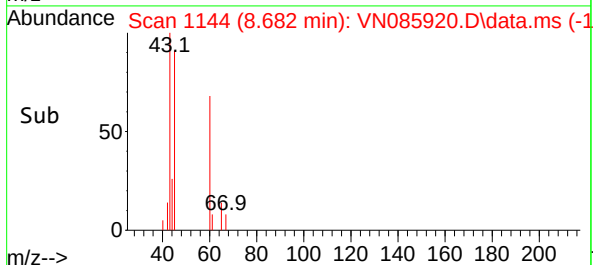
Tgt Ion:117 Resp: 21115
Ion Ratio Lower Upper
117 100
119 8.4 73.8 110.6#
121 0.0 24.3 36.5#

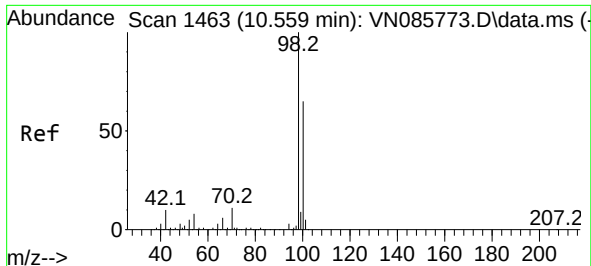


#43
Isopropyl Acetate
Concen: 0.486 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.001 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35



Tgt Ion: 43 Resp: 5133
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

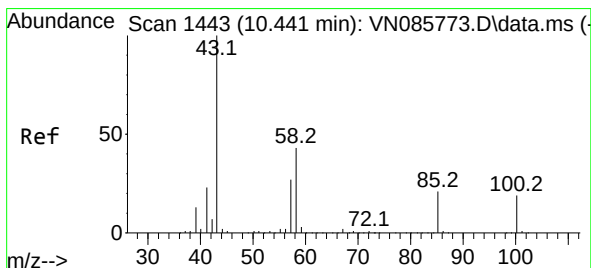
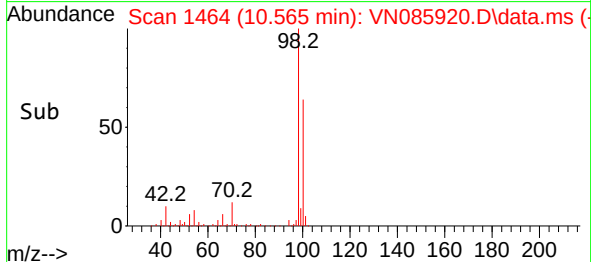
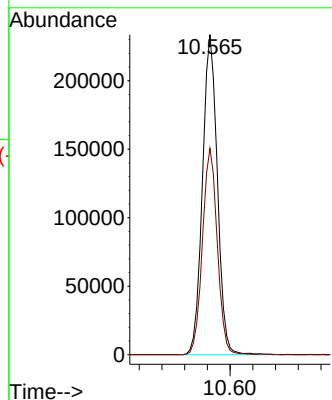
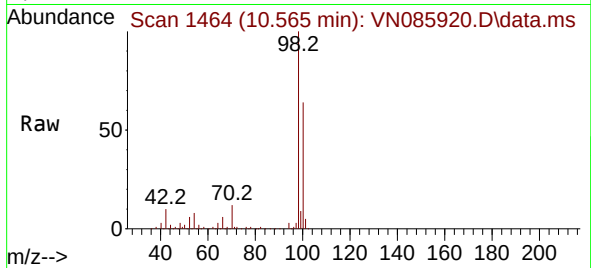




#50
Toluene-d8
Concen: 47.727 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

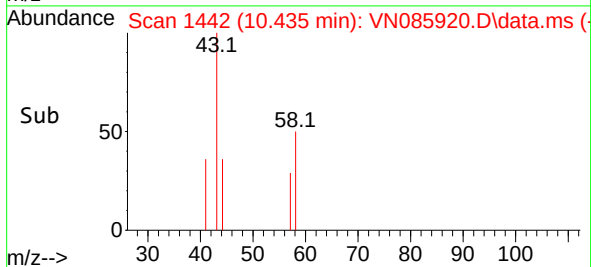
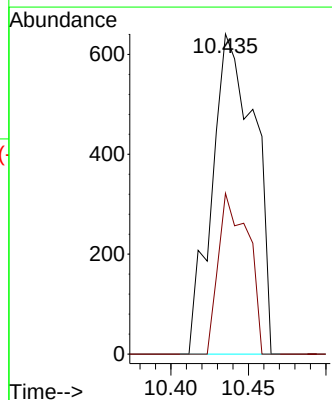
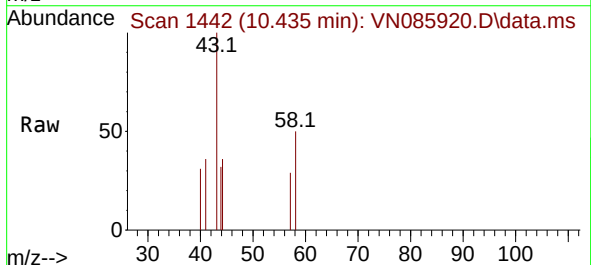
Instrument :
MSVOA_N
ClientSampleId :

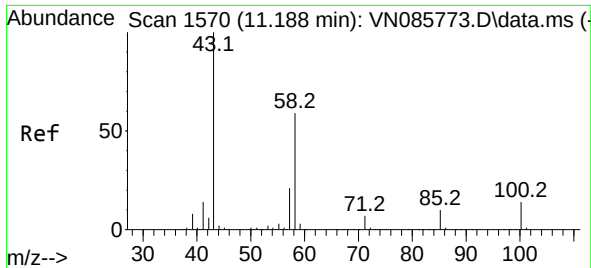
Tgt Ion: 98 Resp: 424658
Ion Ratio Lower Upper
98 100
100 64.1 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.446 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
58 35.1 34.6 52.0

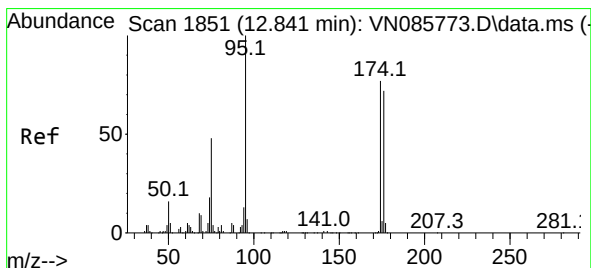
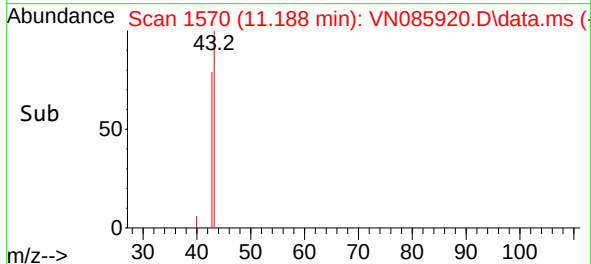
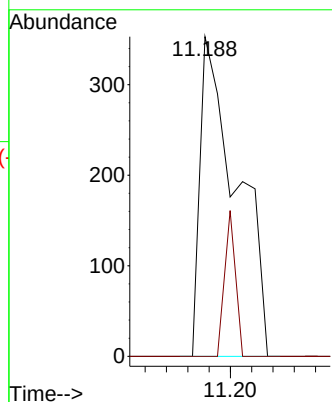
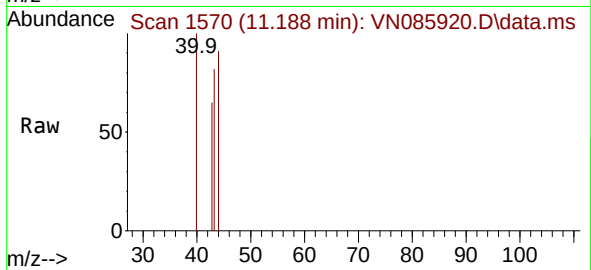




#59
2-Hexanone
Concen: 0.224 ug/l
RT: 11.188 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

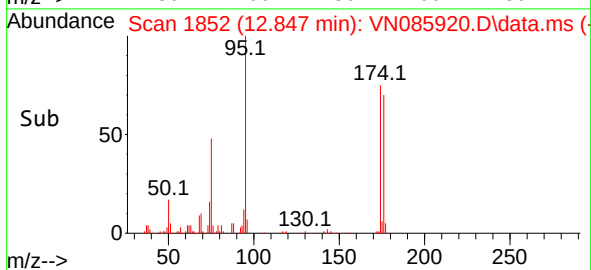
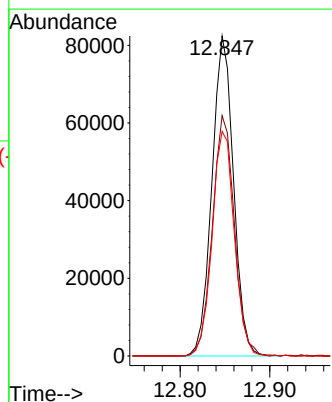
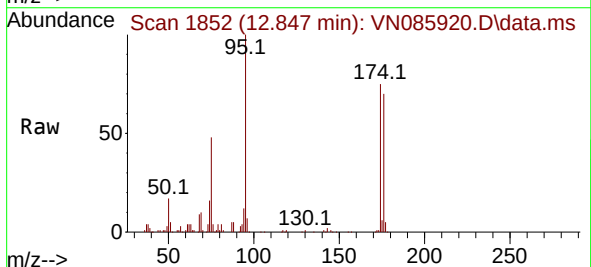
Instrument :
MSVOA_N
ClientSampleId :

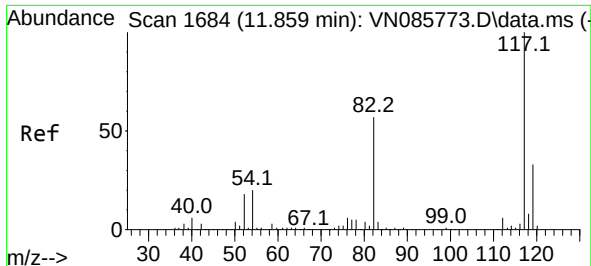
Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
58 13.5 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 46.861 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 95 Resp: 137377
Ion Ratio Lower Upper
95 100
174 76.5 0.0 152.4
176 72.3 0.0 146.6

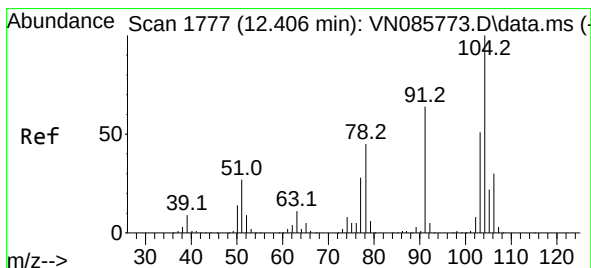
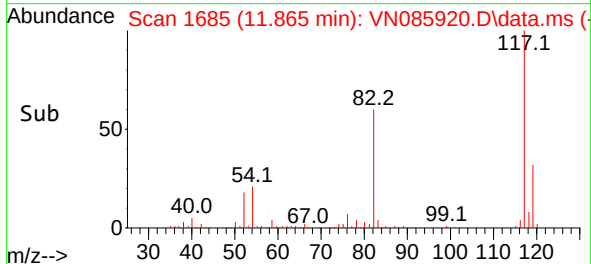
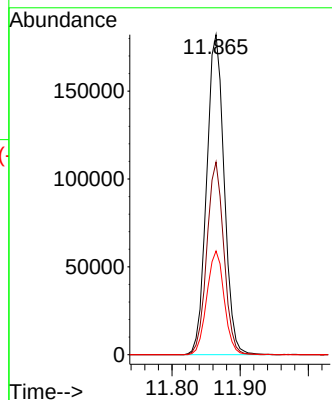
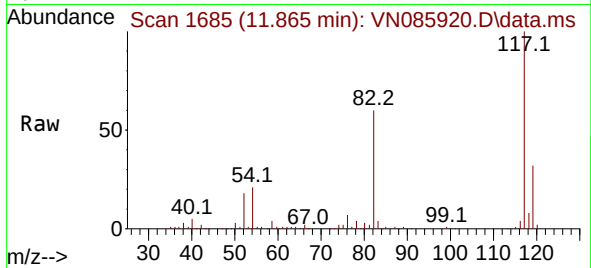




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

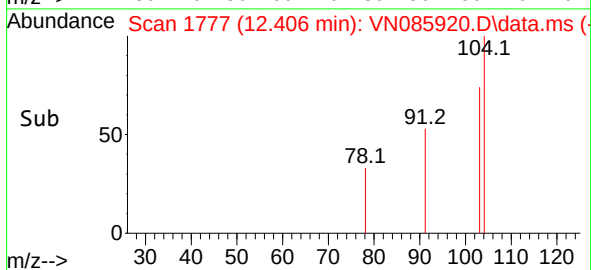
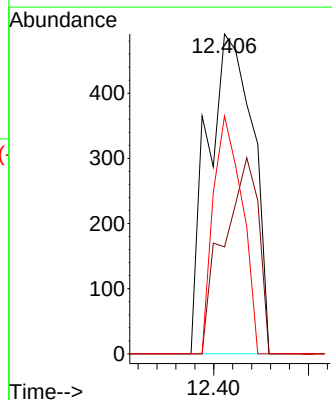
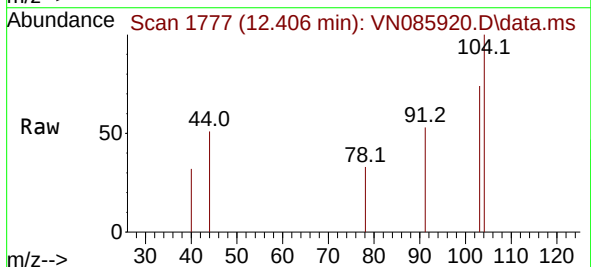
Instrument :
MSVOA_N
ClientSampleId :

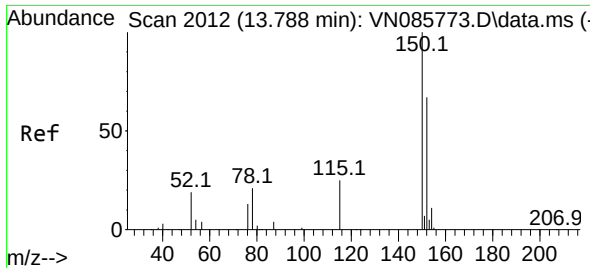
Tgt Ion:117 Resp: 326066
Ion Ratio Lower Upper
117 100
82 60.2 45.7 68.5
119 32.4 26.2 39.2



#70
Styrene
Concen: 0.698 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion:104 Resp: 817
Ion Ratio Lower Upper
104 100
78 47.5 39.0 58.6
103 47.4 43.3 64.9

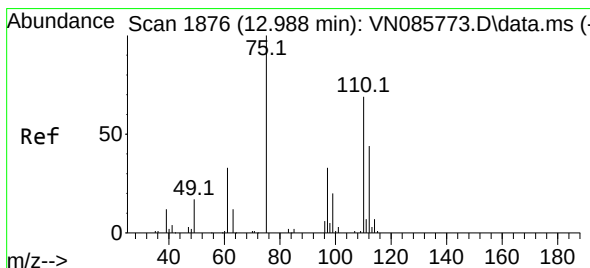
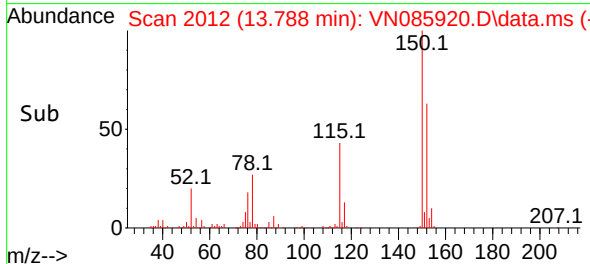
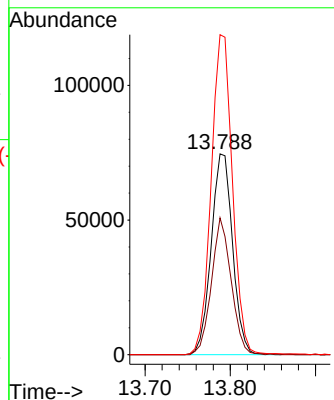
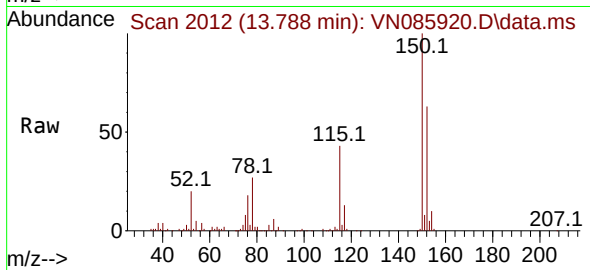




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN085920.D
 Acq: 10 Mar 2025 17:35

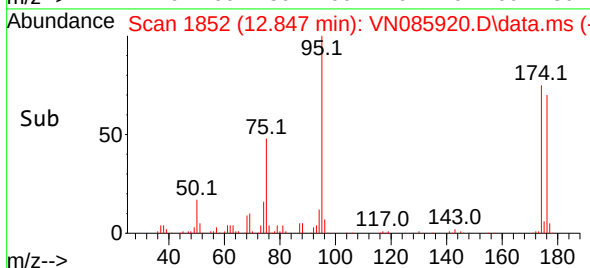
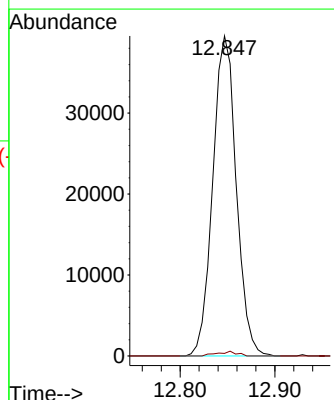
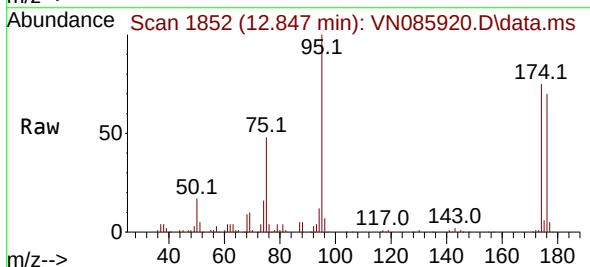
Instrument :
 MSVOA_N
 ClientSampleId :

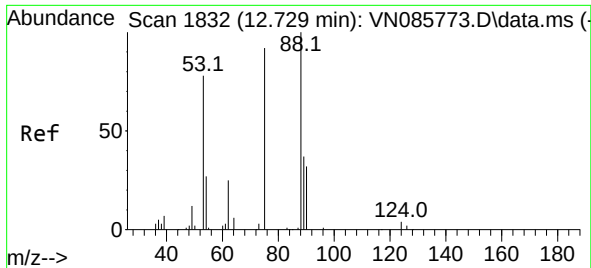
Tgt Ion:152 Resp: 130206
 Ion Ratio Lower Upper
 152 100
 115 62.6 30.4 91.3
 150 158.3 0.0 345.4



#76
 1,2,3-Trichloropropane
 Concen: 23.552 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN085920.D
 Acq: 10 Mar 2025 17:35

Tgt Ion: 75 Resp: 68120
 Ion Ratio Lower Upper
 75 100
 77 1.2 100.0 300.0#

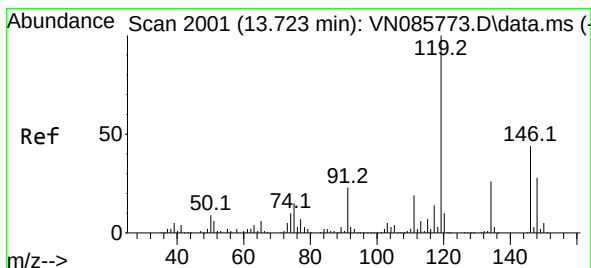
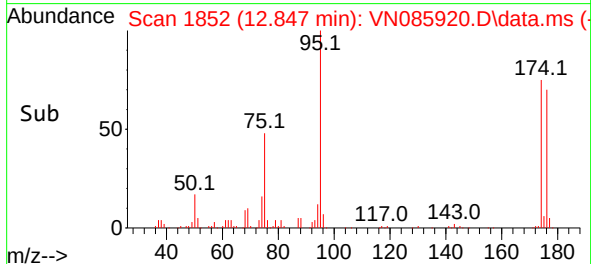
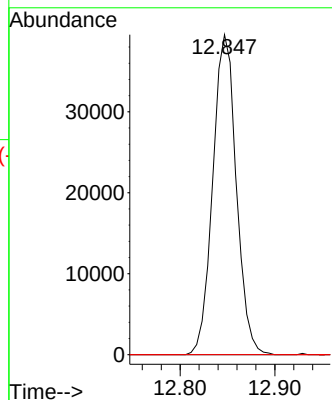
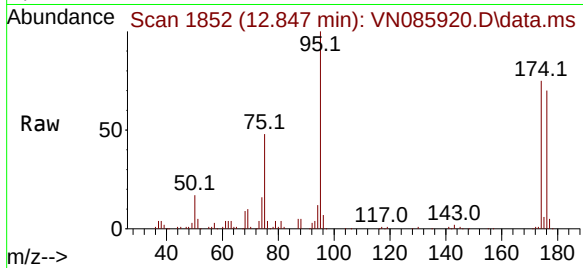




#81
trans-1,4-Dichloro-2-butene
Concen: 68.719 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.117 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

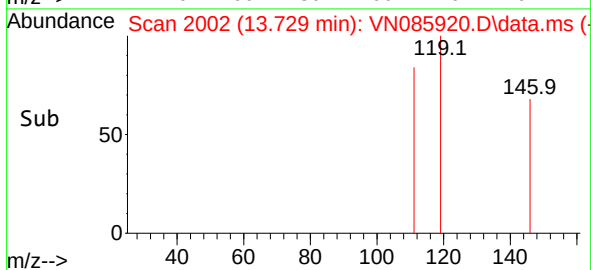
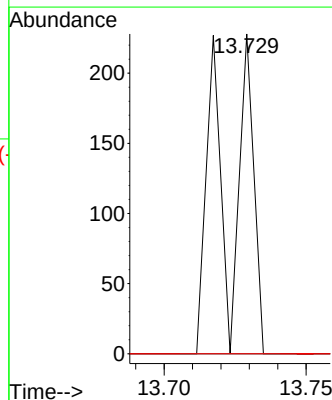
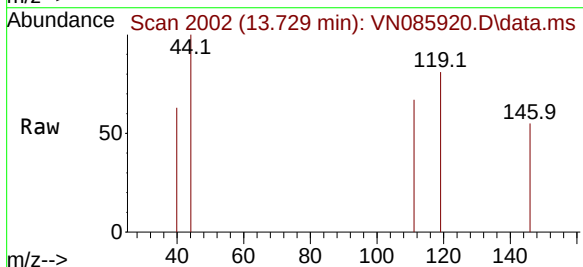
Instrument :
MSVOA_N
ClientSampleId :

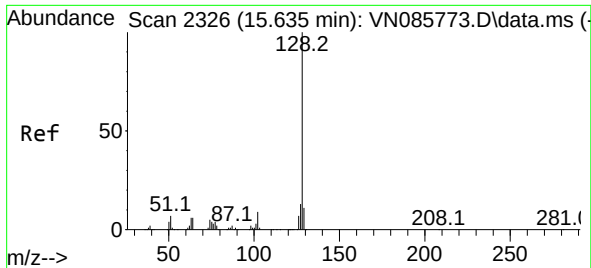
Tgt Ion: 75 Resp: 68120
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.647 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085920.D
Acq: 10 Mar 2025 17:35

Tgt Ion: 119 Resp: 161
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 0.0 11.7 35.1#





#95

Naphthalene

Concen: 0.326 ug/l

RT: 15.641 min Scan# 21

Delta R.T. 0.006 min

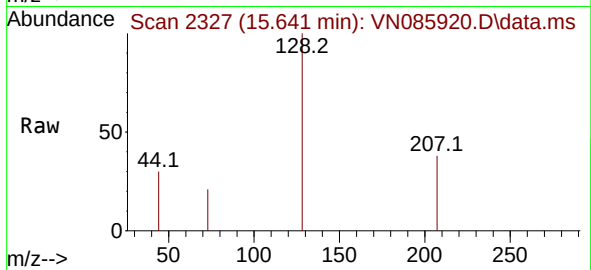
Lab File: VN085920.D

Acq: 10 Mar 2025 17:35

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 1851

Ion Ratio Lower Upper

128 100

127 3.1 10.2 15.2#

129 3.2 8.7 13.1#

