

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021925\
 Data File : VN085788.D
 Acq On : 19 Feb 2025 14:21
 Operator : JC\MD
 Sample : Q1380-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 00:48:27 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)

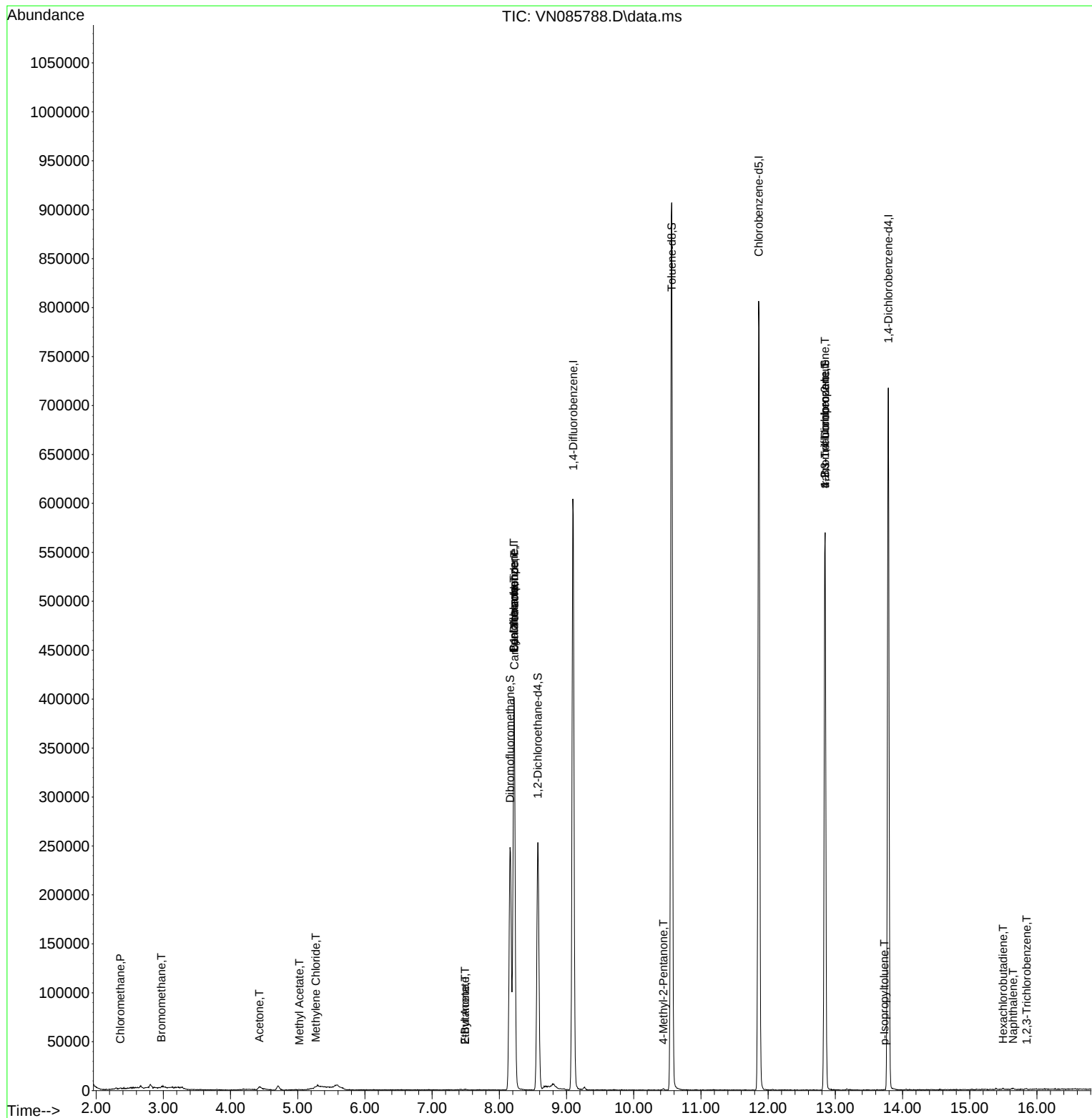
Internal Standards						
1) Pentafluorobenzene	8.218	168	292071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	537683	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	478583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	200119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	210670	55.636	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.280%
35) Dibromofluoromethane	8.159	113	182949	51.999	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.000%
50) Toluene-d8	10.565	98	652872	51.002	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.000%
62) 4-Bromofluorobenzene	12.847	95	208565	49.451	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.900%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	844	0.212	ug/l #	88
5) Bromomethane	2.971	94	884	0.328	ug/l	90
16) Acetone	4.430	43	5625	4.695	ug/l	91
18) Methyl Acetate	5.024	43	871	0.211	ug/l #	47
20) Methylene Chloride	5.271	84	1377	0.357	ug/l #	79
25) 2-Butanone	7.489	43	1230	0.698	ug/l #	45
31) Cyclohexane	8.218	56	6005	1.110	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	23821	4.784	ug/l #	50
37) Ethyl Acetate	7.489	43	1230	0.300	ug/l #	66
38) Carbon Tetrachloride	8.224	117	30053	5.080	ug/l #	18
43) Isopropyl Acetate	8.671	43	2304	Below Cal	#	53
51) 4-Methyl-2-Pentanone	10.441	43	1308	0.331	ug/l #	62
76) 1,2,3-Trichloropropane	12.847	75	104968	23.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	104968	68.897	ug/l #	12
86) p-Isopropyltoluene	13.729	119	140	0.637	ug/l #	50
94) Hexachlorobutadiene	15.494	225	448	0.232	ug/l #	54
95) Naphthalene	15.647	128	1978	0.227	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.847	180	726	0.227	ug/l #	66

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

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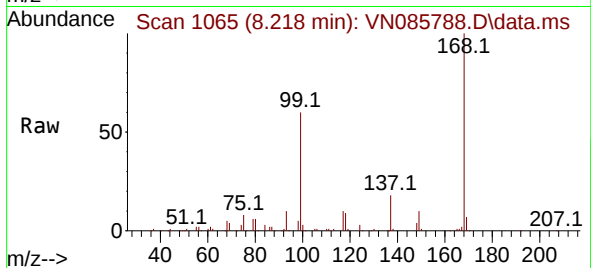
Quant Time: Feb 20 00:48:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 19 03:43:32 2025
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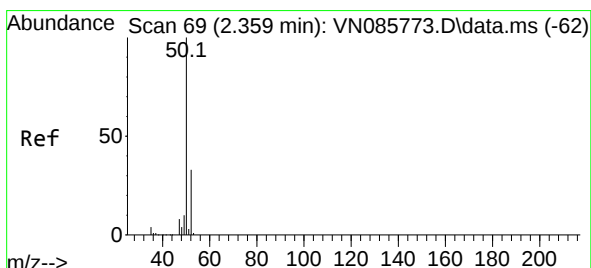
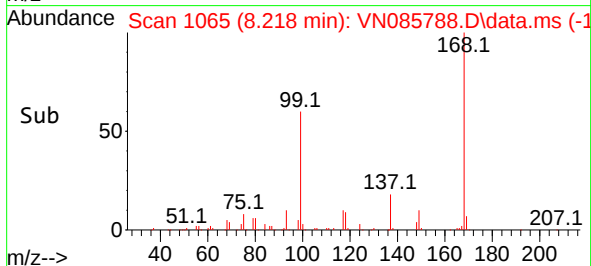
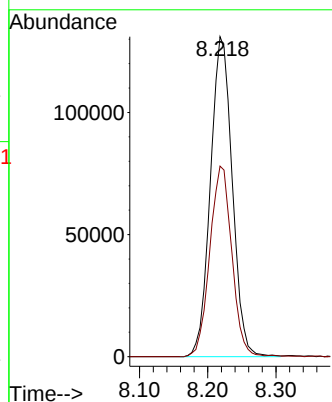


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :

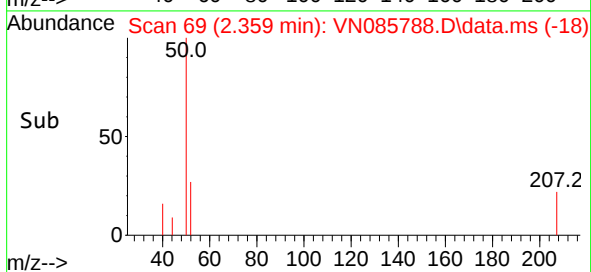
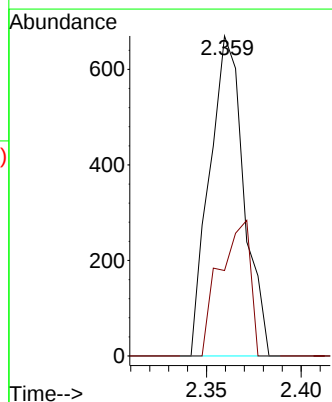
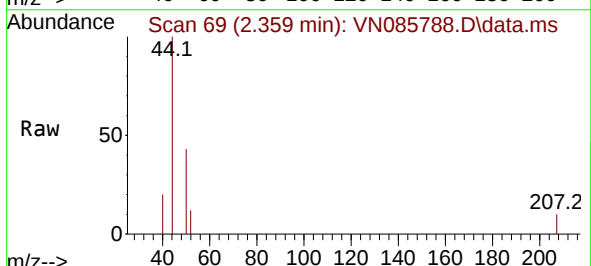


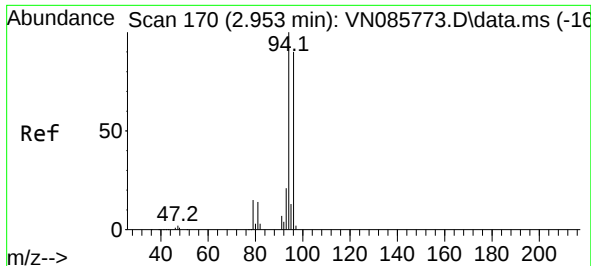
Tgt Ion:168 Resp: 292071
Ion Ratio Lower Upper
168 100
99 59.5 47.9 71.9



#3
Chloromethane
Concen: 0.212 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

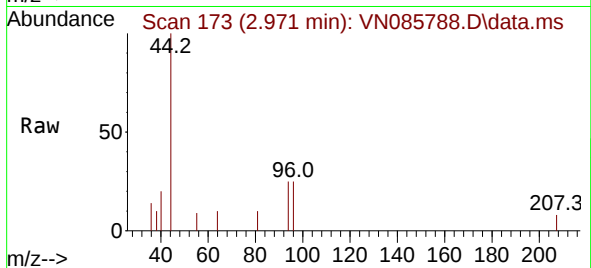
Tgt Ion: 50 Resp: 844
Ion Ratio Lower Upper
50 100
52 26.7 26.7 40.1#



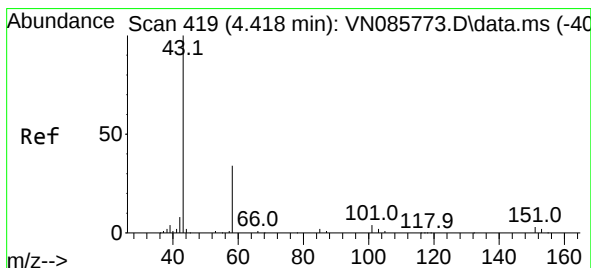
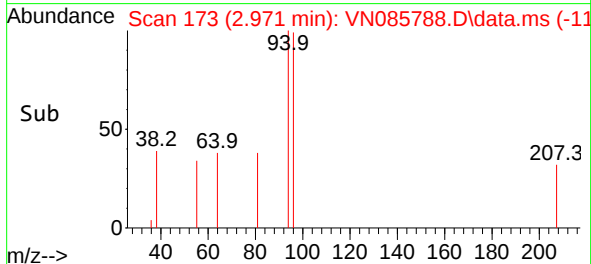
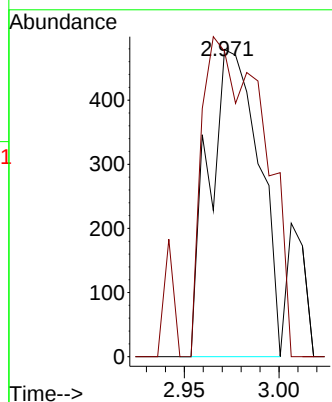


#5
Bromomethane
Concen: 0.328 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :

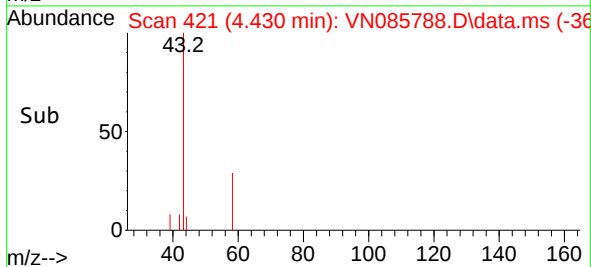
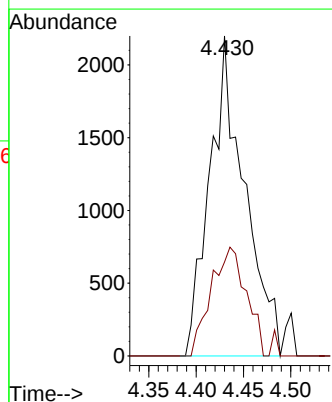
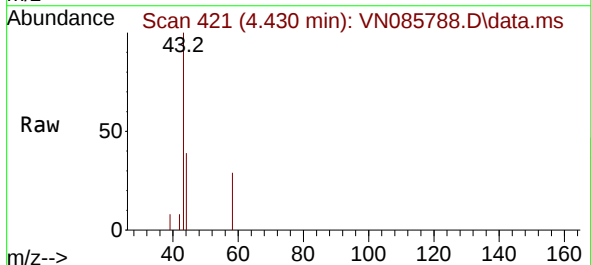


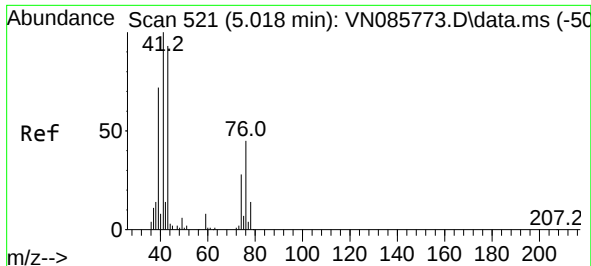
Tgt Ion: 94 Resp: 884
Ion Ratio Lower Upper
94 100
96 99.4 71.7 107.5



#16
Acetone
Concen: 4.695 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion: 43 Resp: 5625
Ion Ratio Lower Upper
43 100
58 29.3 27.5 41.3





#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 5.024 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN085788.D

Acq: 19 Feb 2025 14:21

Instrument :

MSVOA_N

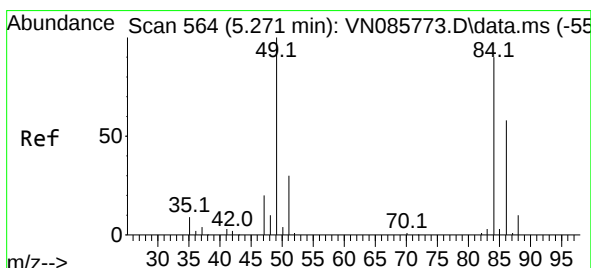
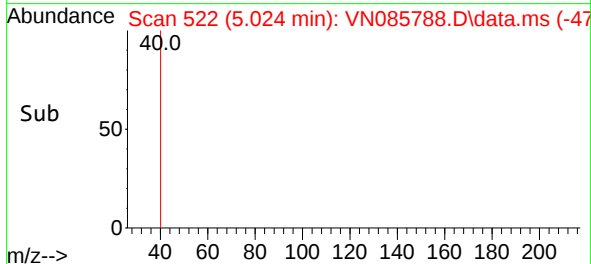
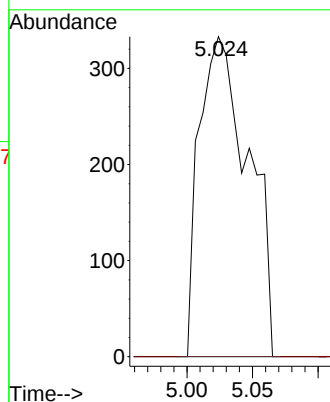
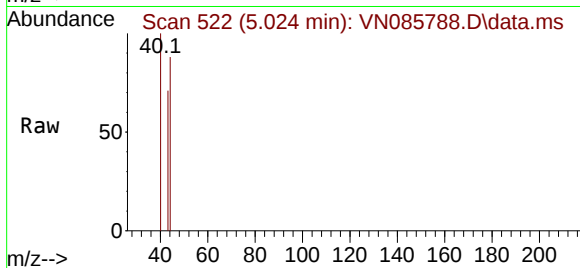
ClientSampleId :

Tgt Ion: 43 Resp: 871

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.4#



#20

Methylene Chloride

Concen: 0.357 ug/l

RT: 5.271 min Scan# 564

Delta R.T. 0.000 min

Lab File: VN085788.D

Acq: 19 Feb 2025 14:21

Tgt Ion: 84 Resp: 1377

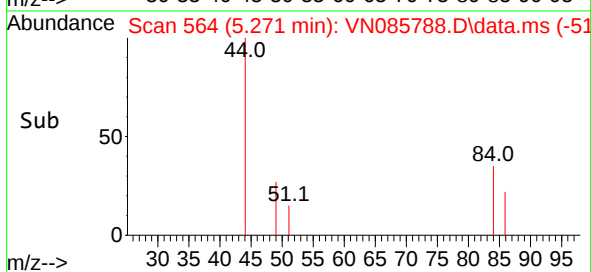
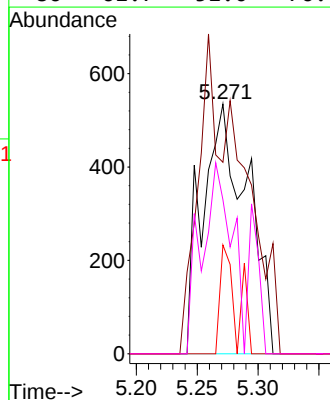
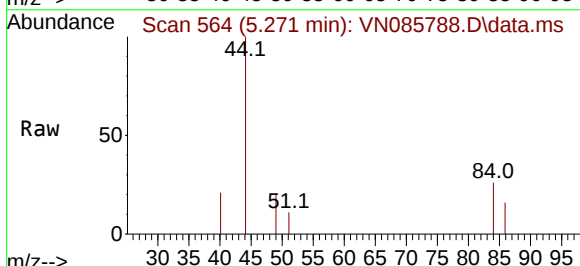
Ion Ratio Lower Upper

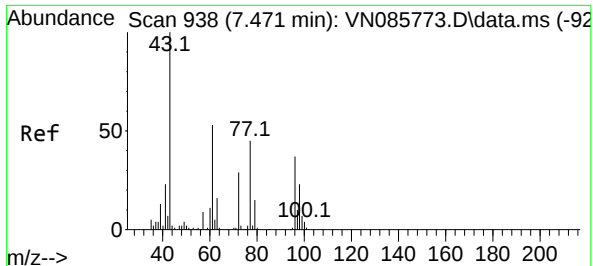
84 100

49 76.6 88.4 132.6#

51 43.6 26.6 40.0#

86 61.7 51.0 76.6

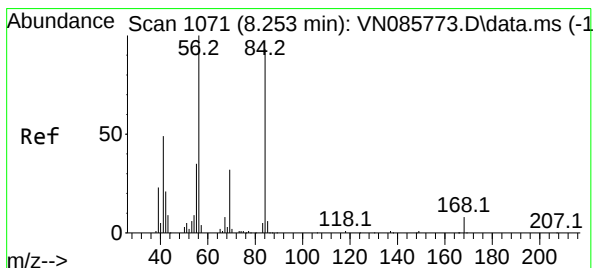
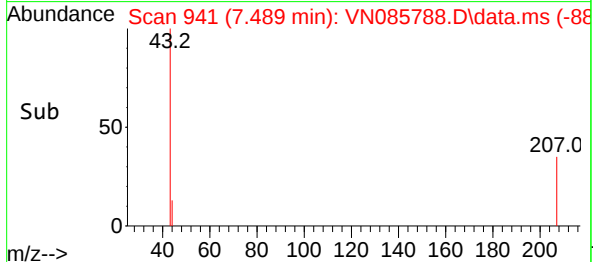
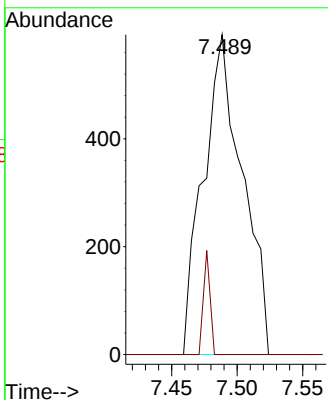
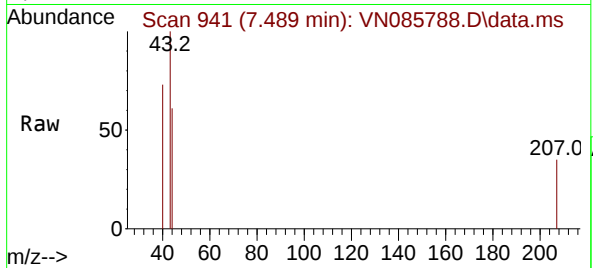




#25
2-Butanone
Concen: 0.698 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.018 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

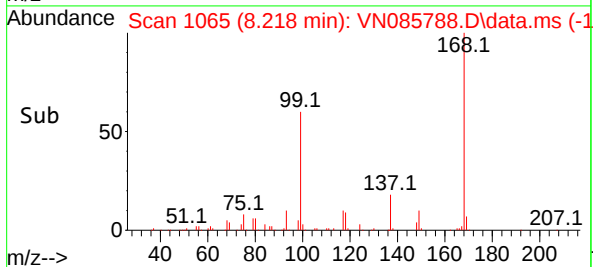
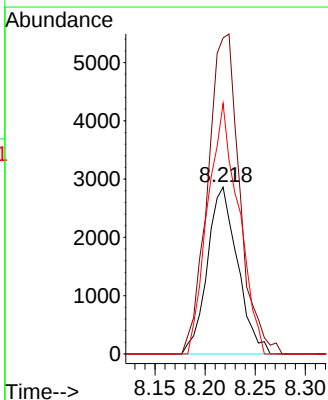
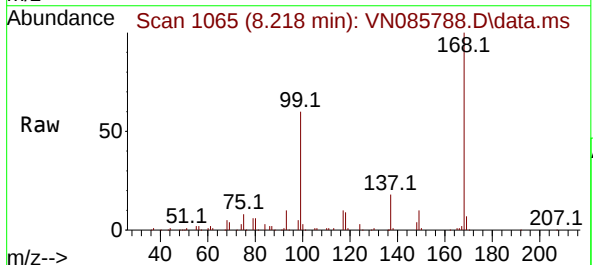
Instrument :
MSVOA_N
ClientSampleId :

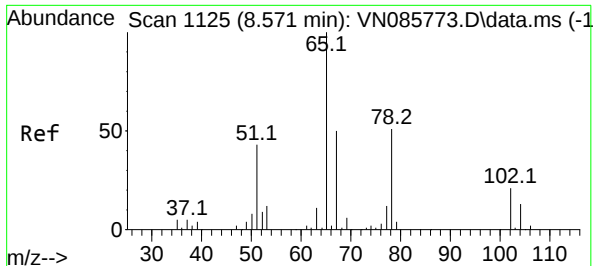
Tgt Ion: 43 Resp: 1230
Ion Ratio Lower Upper
43 100
72 0.0 23.6 35.4#



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion: 56 Resp: 6005
Ion Ratio Lower Upper
56 100
69 189.6 25.8 38.6#
84 150.3 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 55.636 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. 0.000 min

Lab File: VN085788.D

Acq: 19 Feb 2025 14:21

Instrument :

MSVOA_N

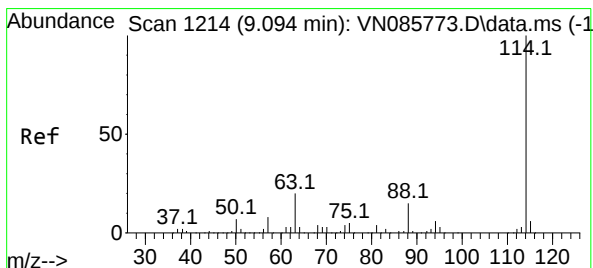
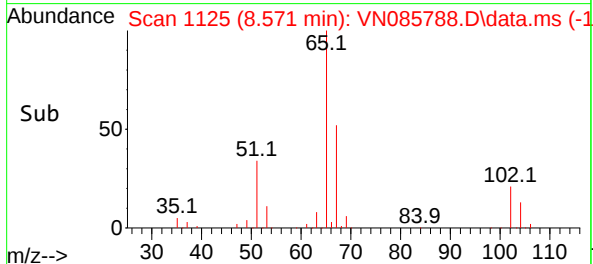
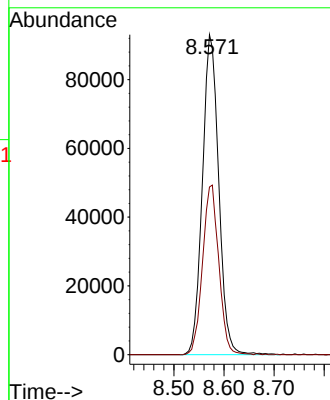
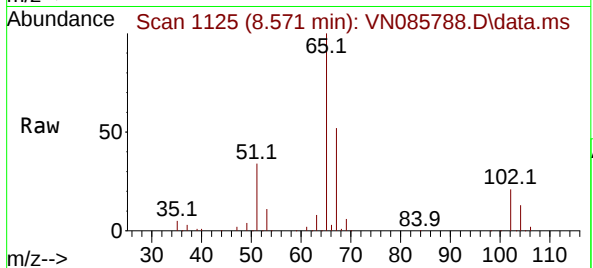
ClientSampleId :

Tgt Ion: 65 Resp: 210670

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# 1215

Delta R.T. 0.006 min

Lab File: VN085788.D

Acq: 19 Feb 2025 14:21

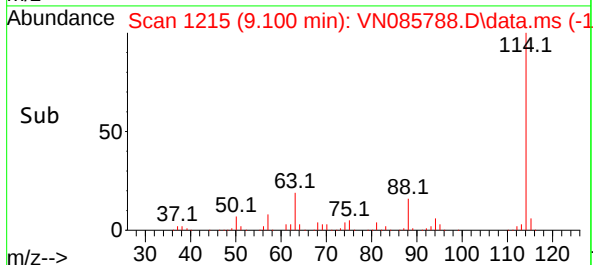
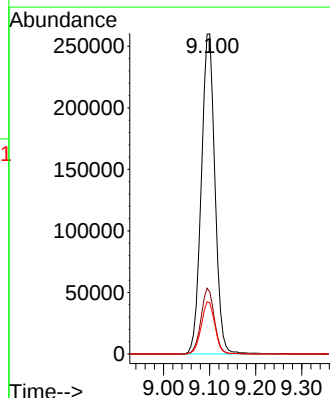
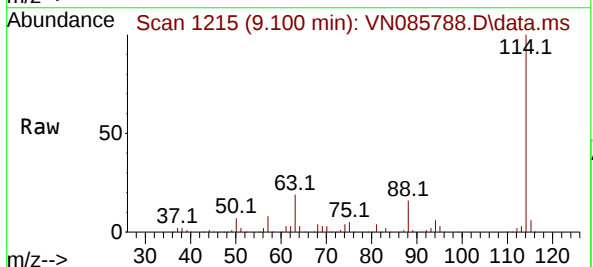
Tgt Ion: 114 Resp: 537683

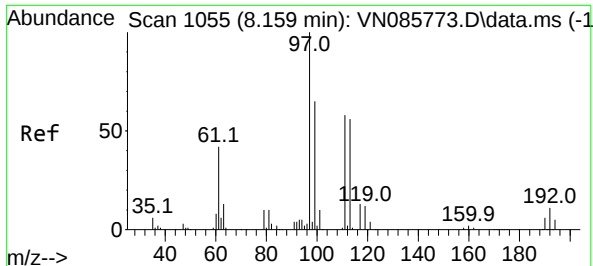
Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.2

88 16.0 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.999 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. 0.000 min

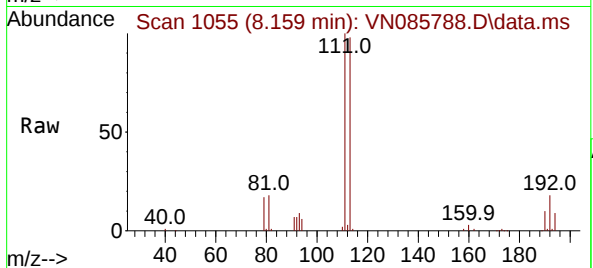
Lab File: VN085788.D

Acq: 19 Feb 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :



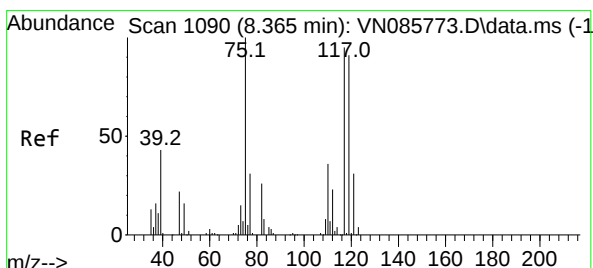
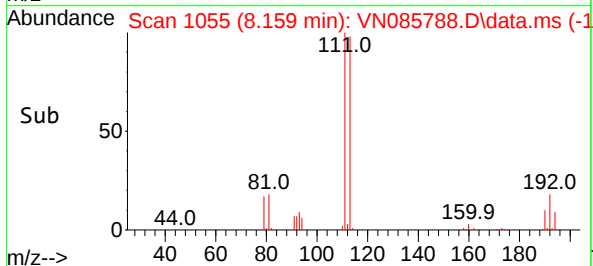
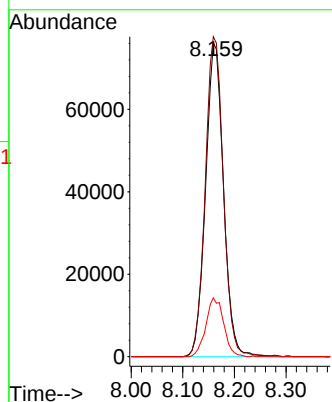
Tgt Ion:113 Resp: 182949

Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.4

192 18.7 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.784 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085788.D

Acq: 19 Feb 2025 14:21

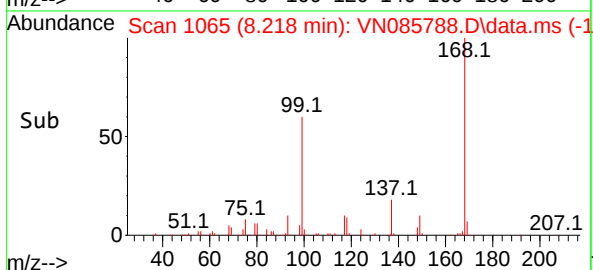
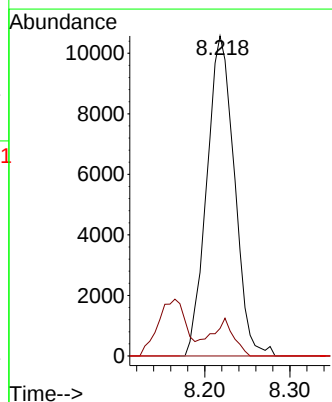
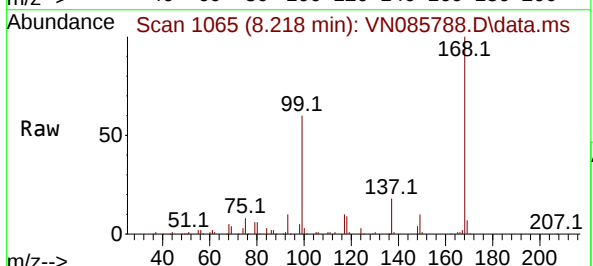
Tgt Ion: 75 Resp: 23821

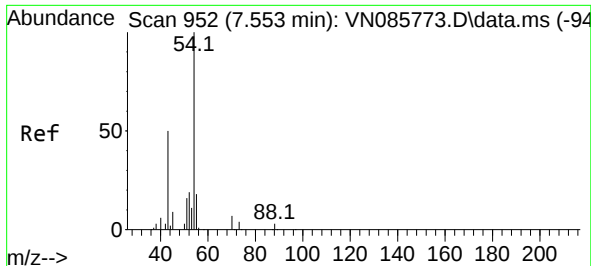
Ion Ratio Lower Upper

75 100

110 9.0 17.3 52.0#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.300 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.065 min

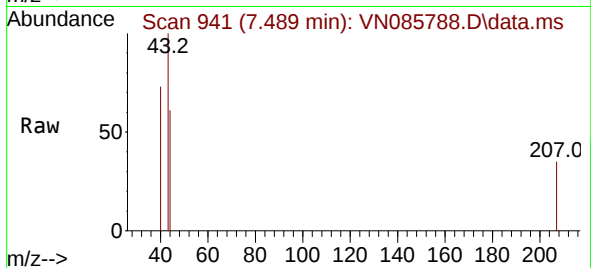
Lab File: VN085788.D

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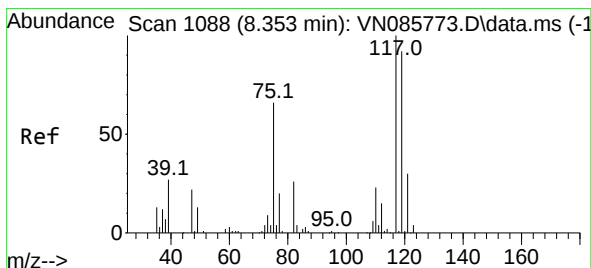
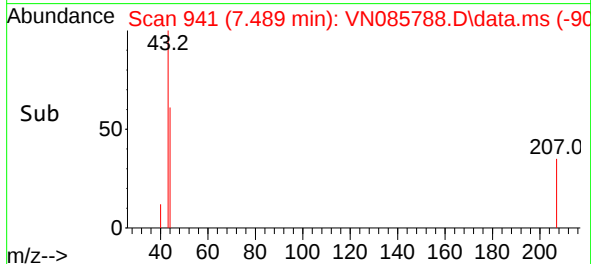
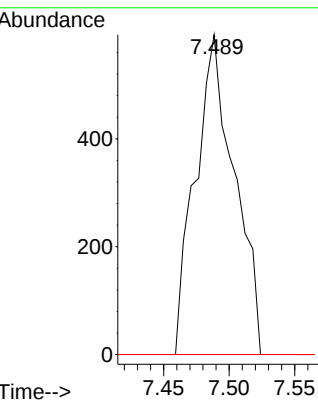
Tgt Ion: 43 Resp: 1230

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.2#

70 0.0 9.5 14.3#



#38

Carbon Tetrachloride

Concen: 5.080 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.129 min

Lab File: VN085788.D

Acq: 19 Feb 2025 14:21

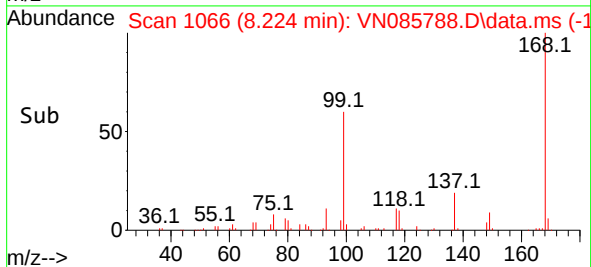
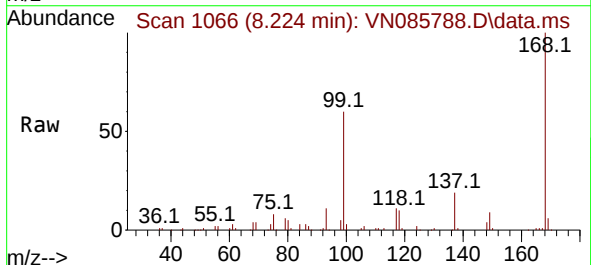
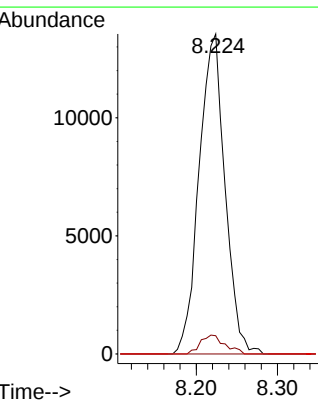
Tgt Ion: 117 Resp: 30053

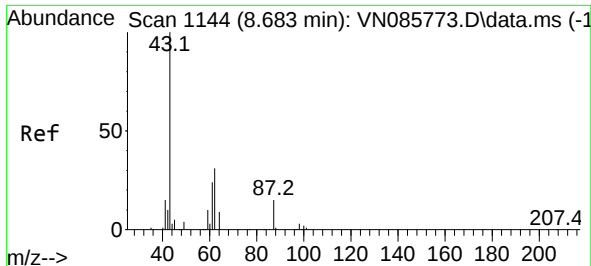
Ion Ratio Lower Upper

117 100

119 5.7 73.8 110.6#

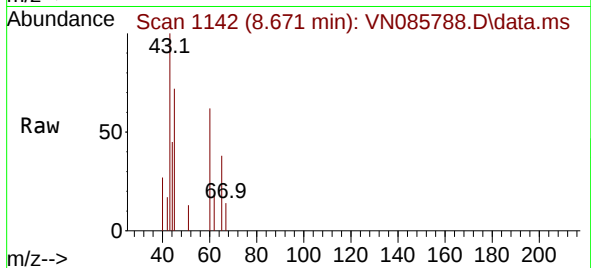
121 0.0 24.3 36.5#



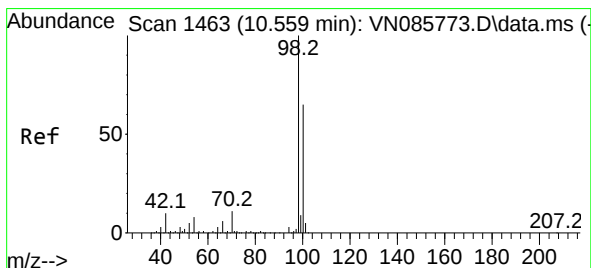
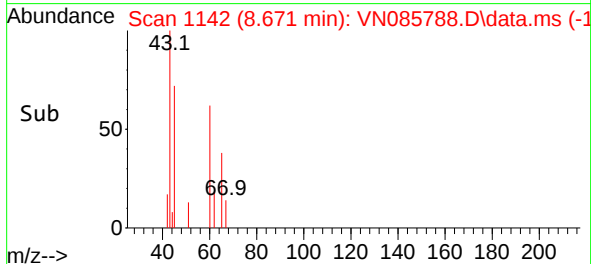
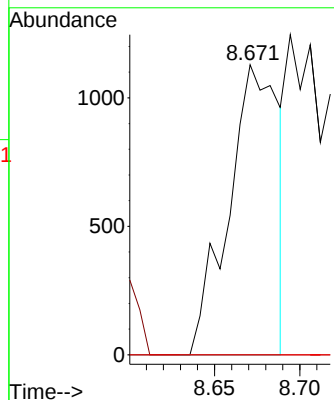


#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1144
Delta R.T. -0.012 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :

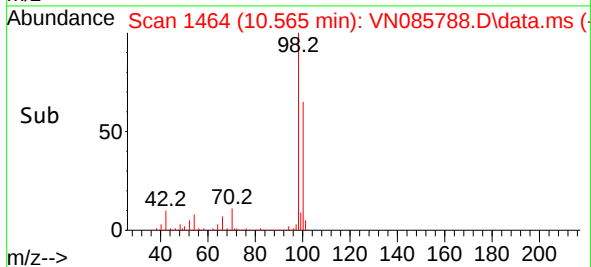
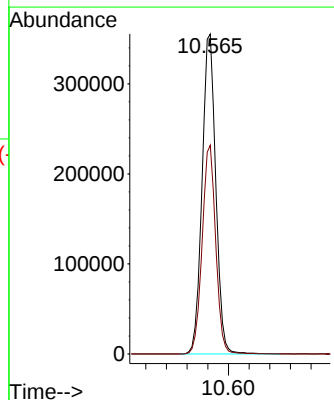
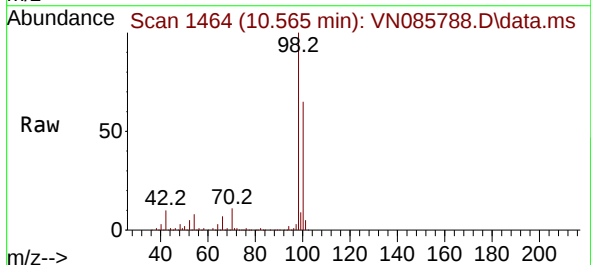


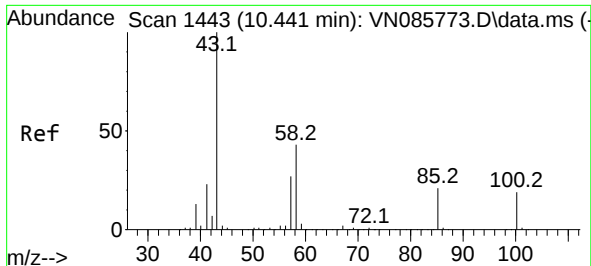
Tgt Ion: 43 Resp: 2304
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#



#50
Toluene-d8
Concen: 51.002 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion: 98 Resp: 652872
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1

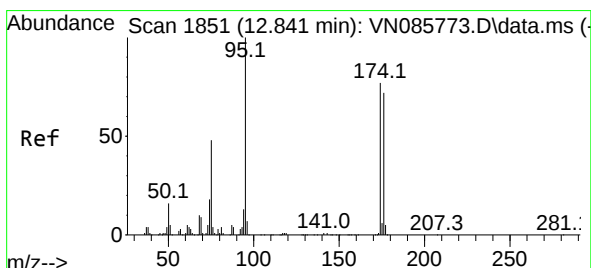
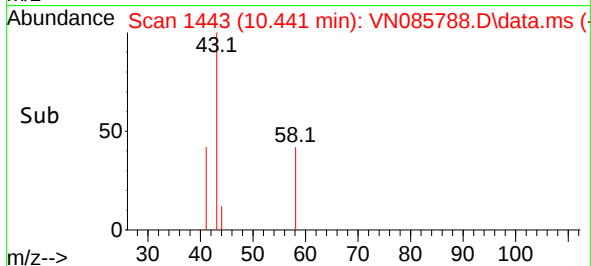
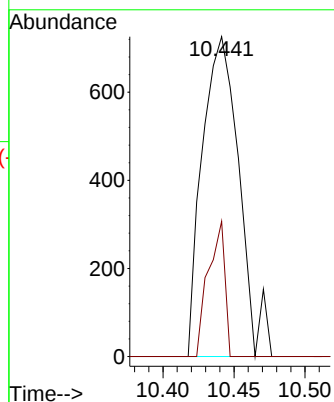
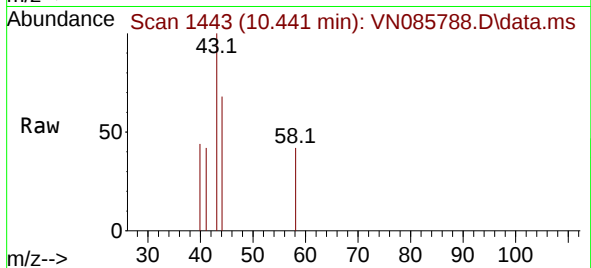




#51
4-Methyl-2-Pentanone
Concen: 0.331 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

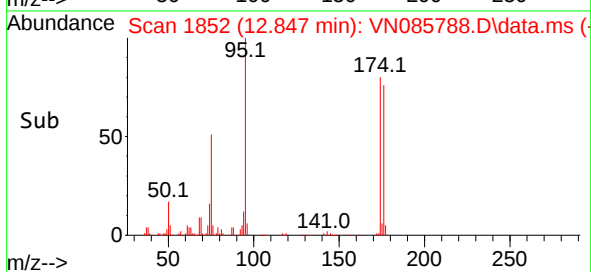
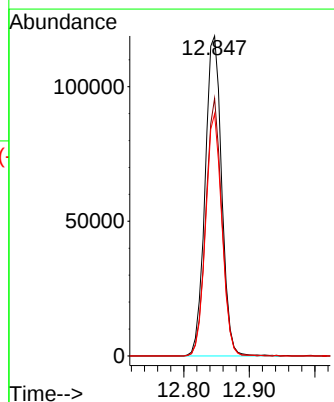
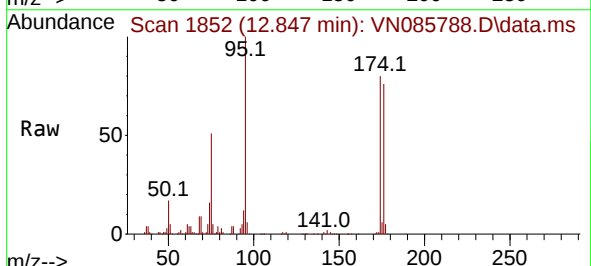
Instrument :
MSVOA_N
ClientSampleId :

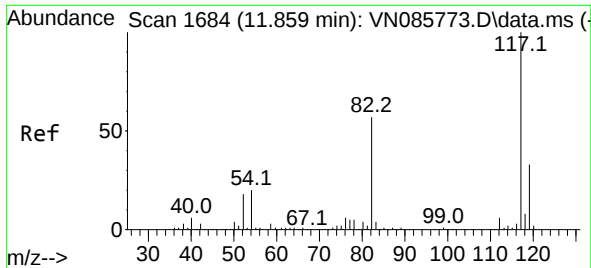
Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 19.0 34.6 52.0#



#62
4-Bromofluorobenzene
Concen: 49.451 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion: 95 Resp: 208565
Ion Ratio Lower Upper
95 100
174 78.0 0.0 152.4
176 74.2 0.0 146.6

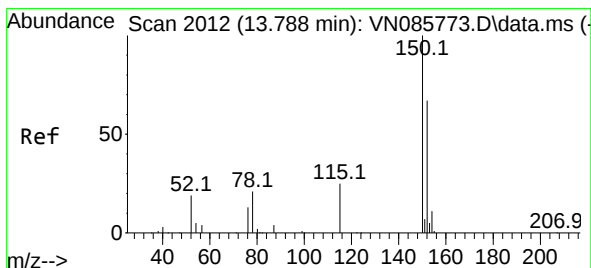
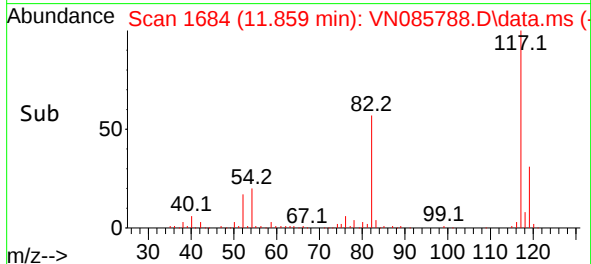
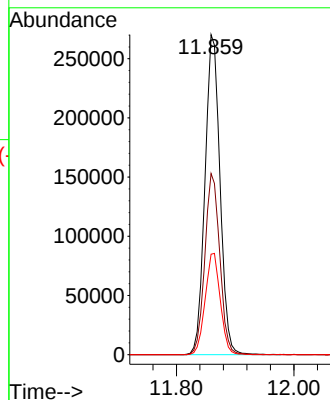
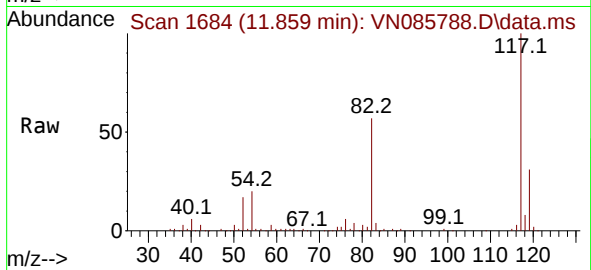




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

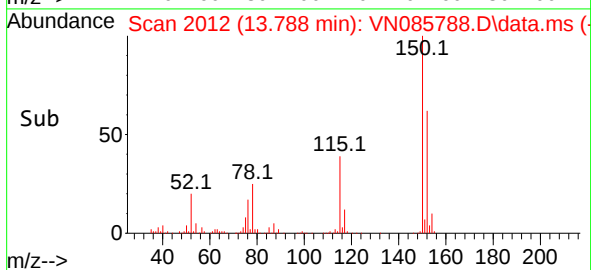
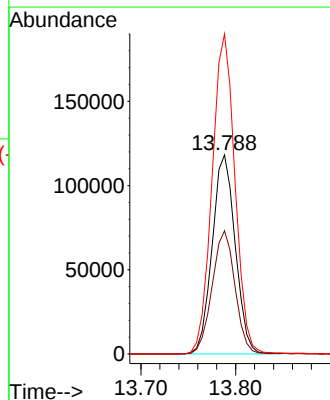
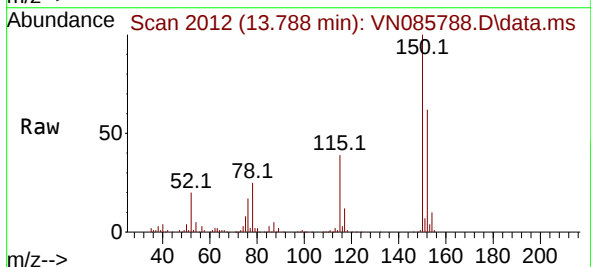
Instrument :
MSVOA_N
ClientSampleId :

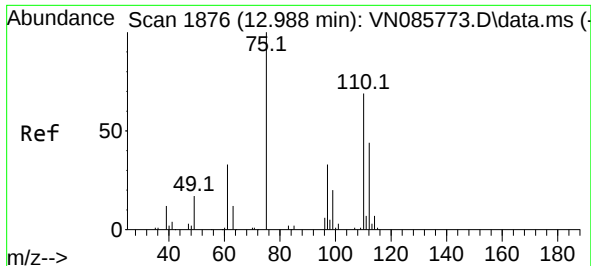
Tgt Ion:117 Resp: 478583
Ion Ratio Lower Upper
117 100
82 56.6 45.7 68.5
119 31.4 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion:152 Resp: 200119
Ion Ratio Lower Upper
152 100
115 61.4 30.4 91.3
150 159.6 0.0 345.4

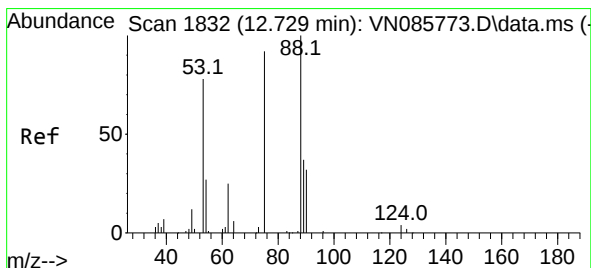
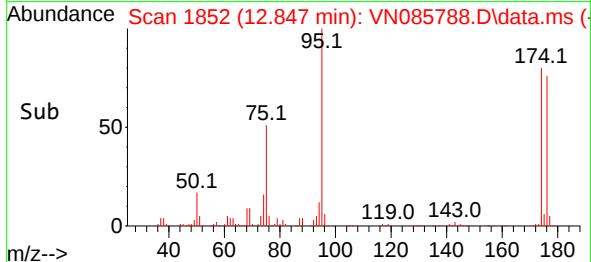
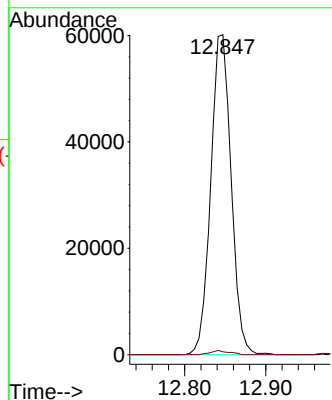
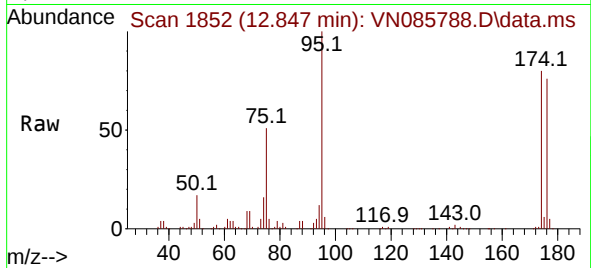




#76
1,2,3-Trichloropropane
Concen: 23.613 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

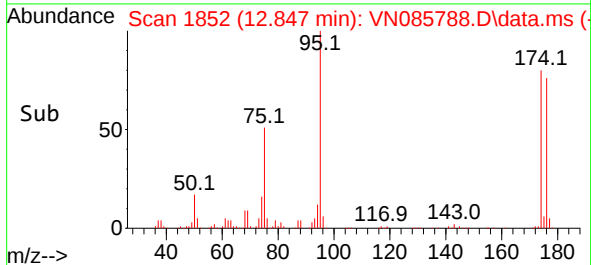
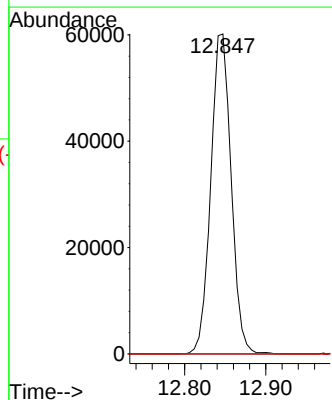
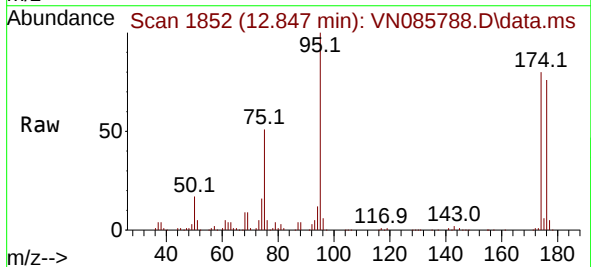
Instrument :
MSVOA_N
ClientSampleId :

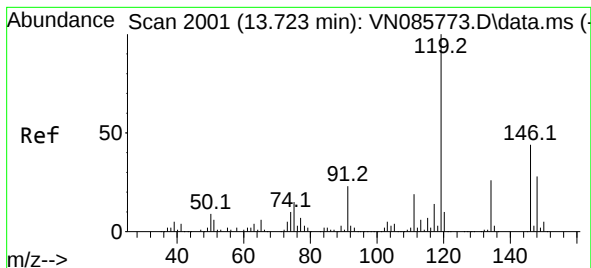
Tgt Ion: 75 Resp: 104968
Ion Ratio Lower Upper
75 100
77 1.2 100.0 300.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.897 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion: 75 Resp: 104968
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#





#86

p-Isopropyltoluene

Concen: 0.637 ug/l

RT: 13.729 min Scan# 2001

Delta R.T. 0.006 min

Lab File: VN085788.D

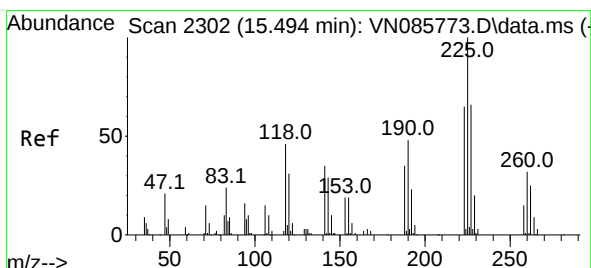
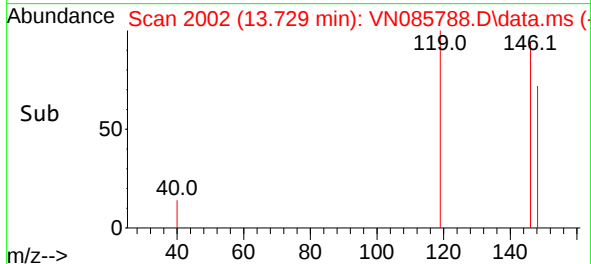
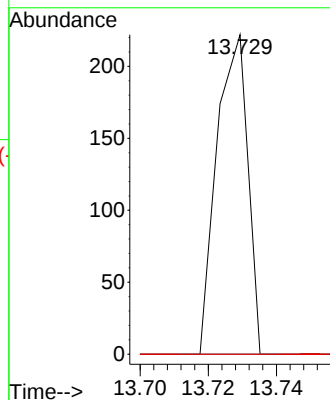
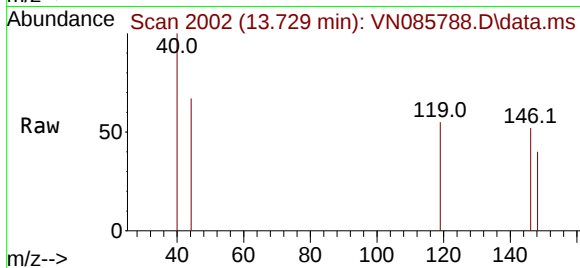
Acq: 19 Feb 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:119	Resp:	140
Ion Ratio	Lower	Upper
119	100	
134	0.0	13.0 39.0#
91	0.0	11.7 35.1#



#94

Hexachlorobutadiene

Concen: 0.232 ug/l

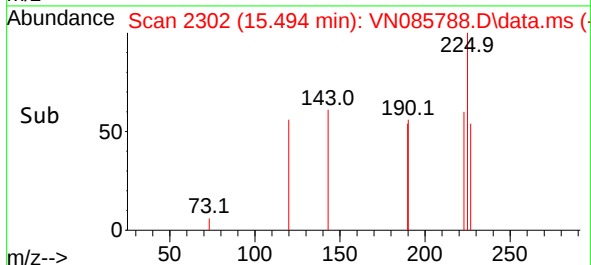
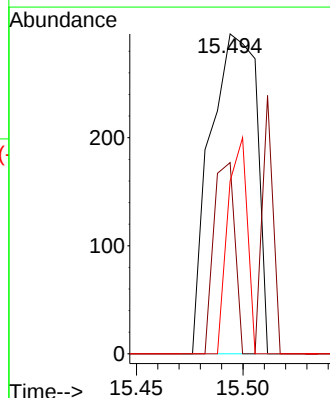
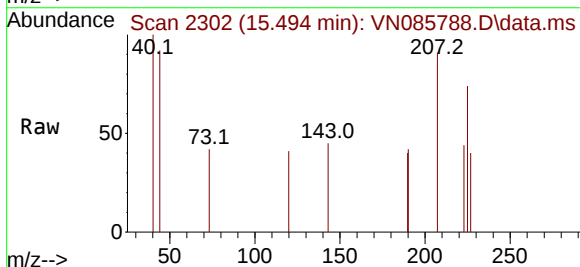
RT: 15.494 min Scan# 2302

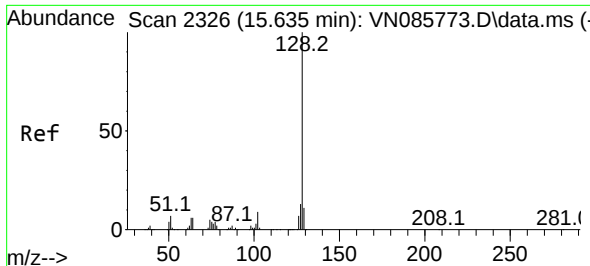
Delta R.T. 0.000 min

Lab File: VN085788.D

Acq: 19 Feb 2025 14:21

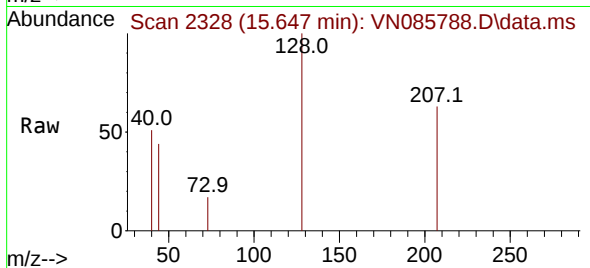
Tgt Ion:225	Resp:	448
Ion Ratio	Lower	Upper
225	100	
223	27.0	31.9 95.5#
227	28.3	32.2 96.6#



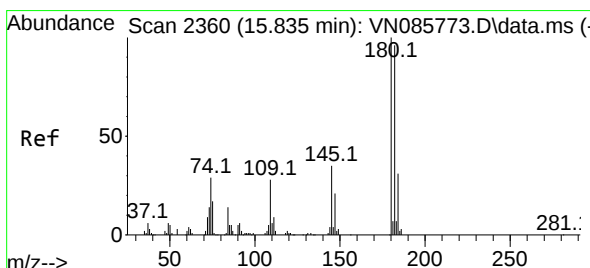
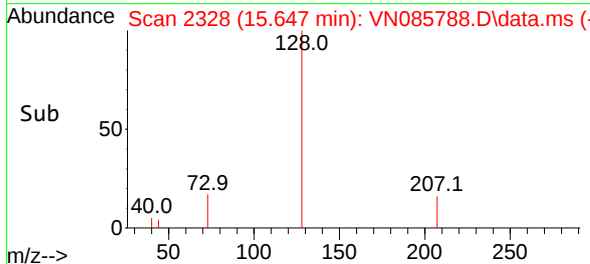
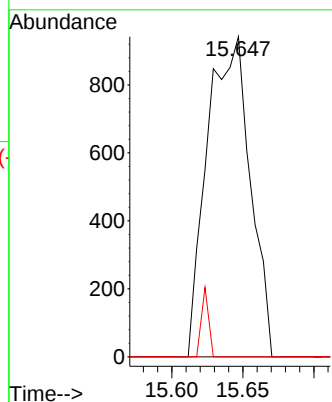


#95
Naphthalene
Concen: 0.227 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 1978
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.227 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.012 min
Lab File: VN085788.D
Acq: 19 Feb 2025 14:21

Tgt Ion:180 Resp: 726
Ion Ratio Lower Upper
180 100
182 70.1 47.3 141.8
145 0.0 16.9 50.6#

