

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010225\
 Data File : VN085375.D
 Acq On : 02 Jan 2025 12:10
 Operator : JC\MD
 Sample : VN0102WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 03 00:43:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Dec 21 02:03:07 2024
 Response via : Initial Calibration

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

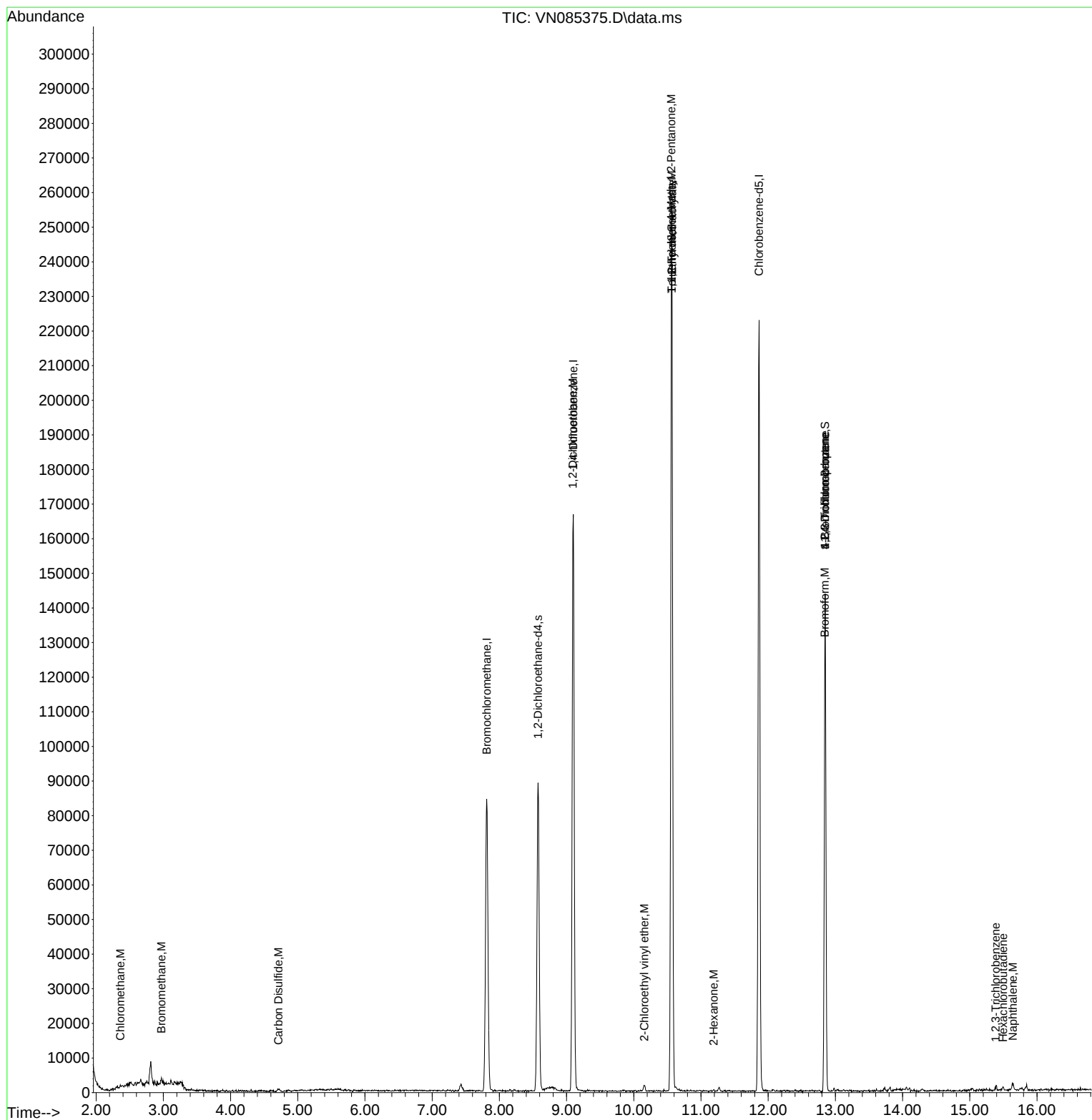
Internal Standards						
1) Bromochloromethane	7.812	128	28991	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	140575	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	123860	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	74120	29.063	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.867%		
60) 4-Bromofluorobenzene	12.847	95	47025	23.438	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	78.133%		
63) Toluene-d8	10.565	98	171982	28.436	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	94.800%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	593	0.242	ug/l #	42
5) Bromomethane	2.971	94	653	0.449	ug/l #	64
16) Carbon Disulfide	4.712	76	1316	0.242	ug/l #	77
36) 1,2-Dichloroethane	9.094	62	5719	2.050	ug/l #	77
50) 1,1,2-Trichloroethane	10.565	97	6197	3.462	ug/l #	1
51) Ethyl methacrylate	10.571	69	700	0.259	ug/l #	58
55) 2-Chloroethyl vinyl ether	10.159	63	962	0.690	ug/l #	58
56) Bromoform	12.841	173	749	0.547	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	731	0.291	ug/l #	1
59) 2-Hexanone	11.188	43	366	0.201	ug/l #	36
72) 1,2,3-Trichloropropane	12.847	75	25375	11.700	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	25375	28.629	ug/l #	6
90) Hexachlorobutadiene	15.494	225	317	0.427	ug/l	77
91) Naphthalene	15.641	128	2990	0.625	ug/l #	74
92) 1,2,3-Trichlorobenzene	15.388	180	642	0.431	ug/l	83

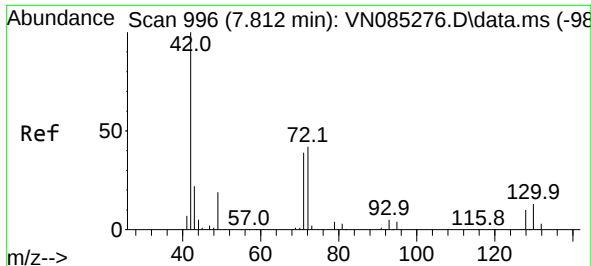
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
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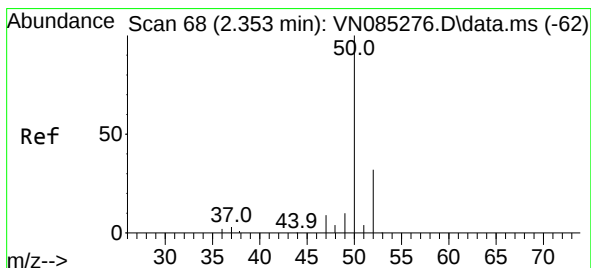
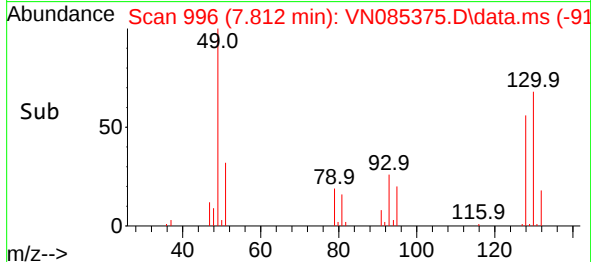
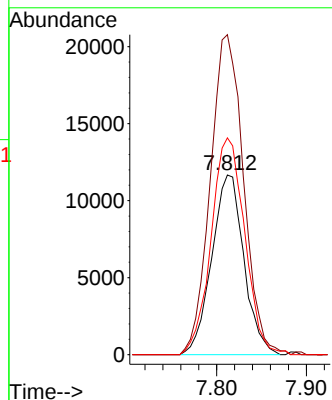
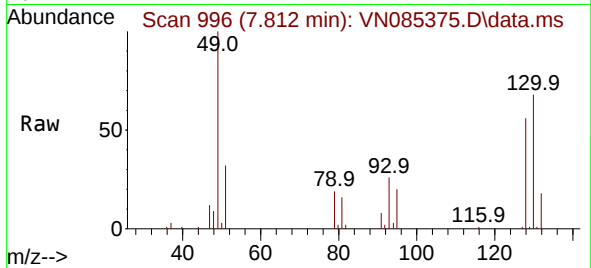




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

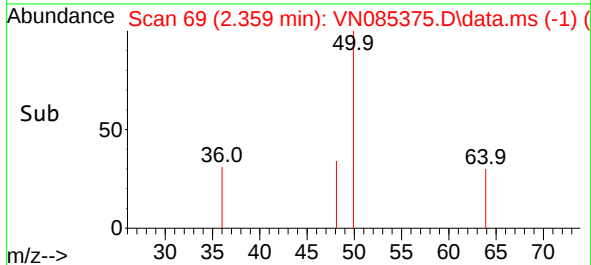
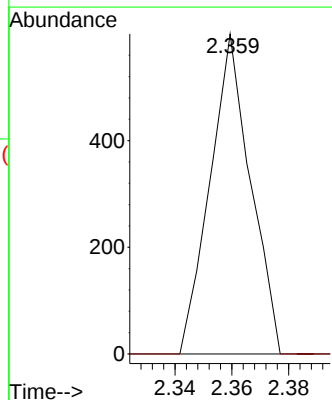
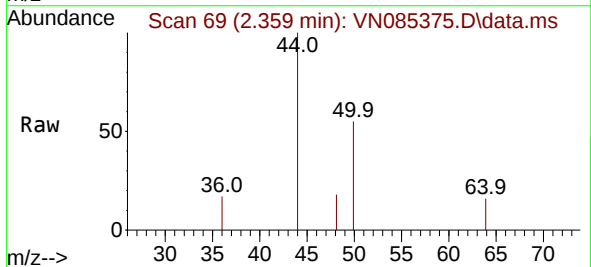
Instrument :
MSVOA_N
ClientSampleId :

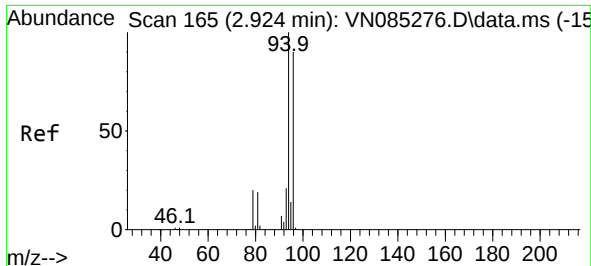
Tgt Ion:128 Resp: 28991
Ion Ratio Lower Upper
128 100
49 184.1 0.0 497.8
130 126.4 0.0 328.5



#3
Chloromethane
Concen: 0.242 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

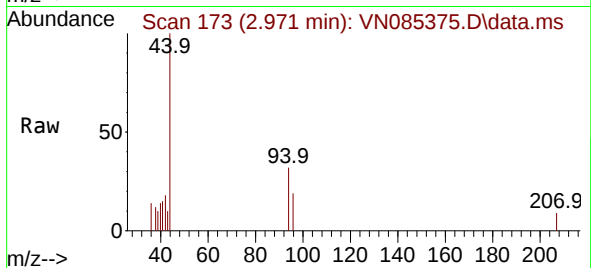
Tgt Ion: 50 Resp: 593
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



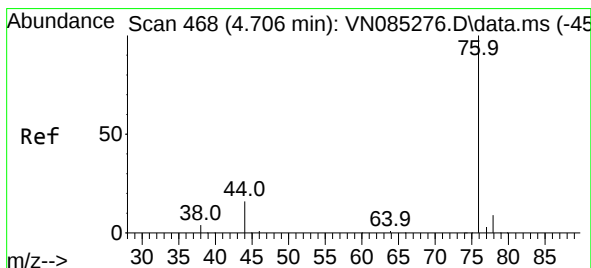
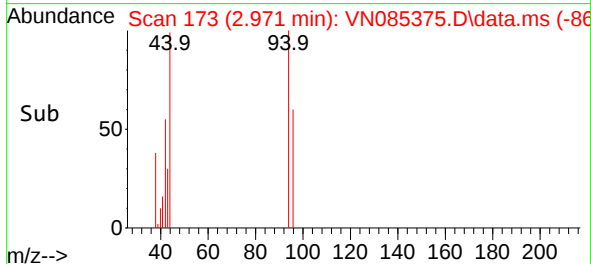
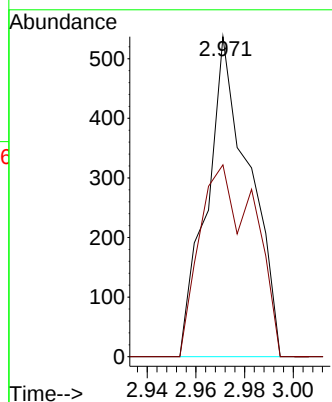


#5
Bromomethane
Concen: 0.449 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

Instrument :
MSVOA_N
ClientSampleId :

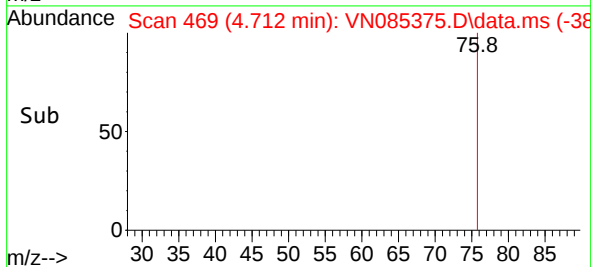
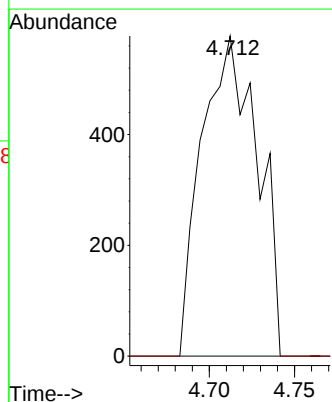
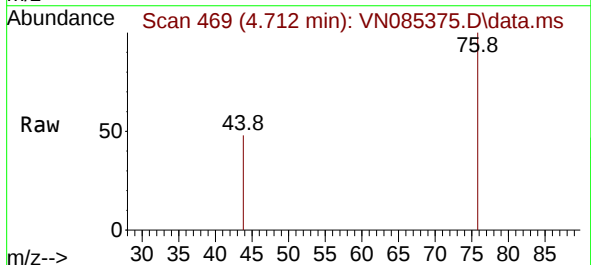


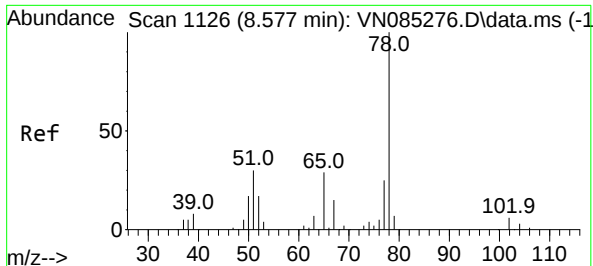
Tgt Ion: 94 Resp: 653
Ion Ratio Lower Upper
94 100
96 60.0 75.6 113.4#



#16
Carbon Disulfide
Concen: 0.242 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

Tgt Ion: 76 Resp: 1316
Ion Ratio Lower Upper
76 100
78 0.0 6.6 9.8#





#27

1,2-Dichloroethane-d4

Concen: 29.063 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN085375.D

Acq: 02 Jan 2025 12:10

Instrument :

MSVOA_N

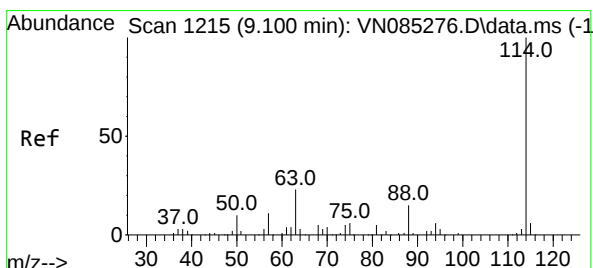
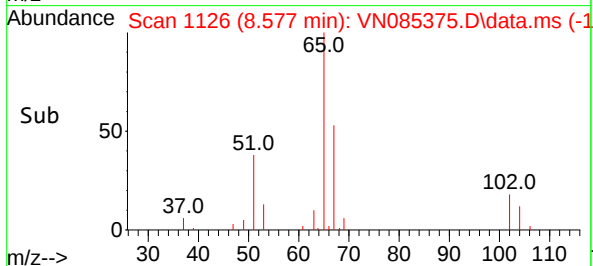
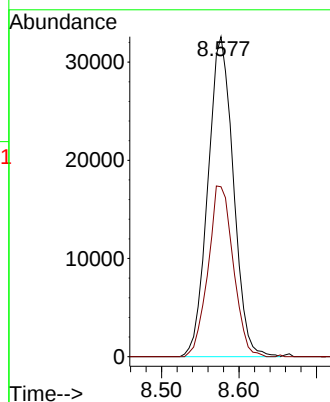
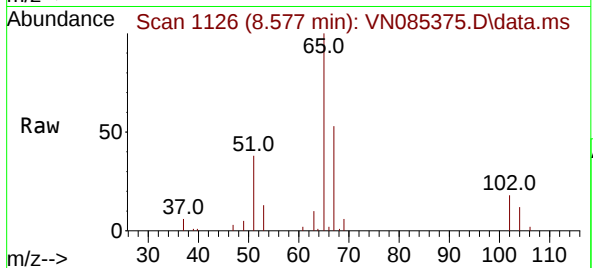
ClientSampleId :

Tgt Ion: 65 Resp: 74120

Ion Ratio Lower Upper

65 100

67 52.9 42.0 63.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN085375.D

Acq: 02 Jan 2025 12:10

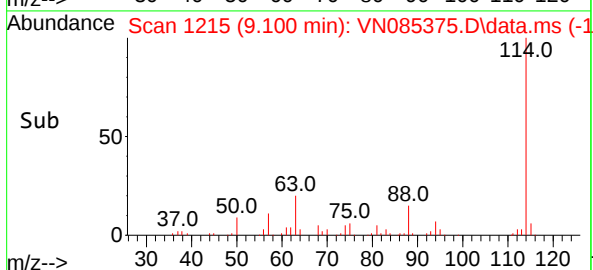
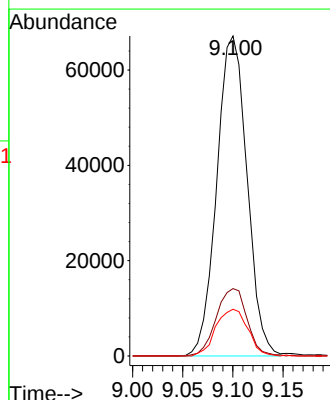
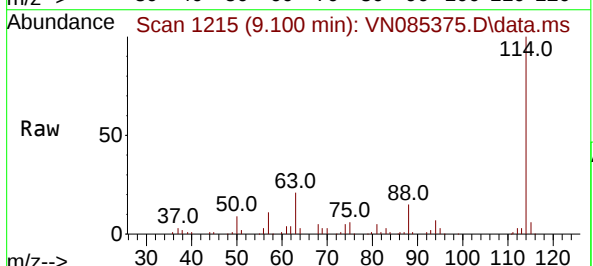
Tgt Ion: 114 Resp: 140575

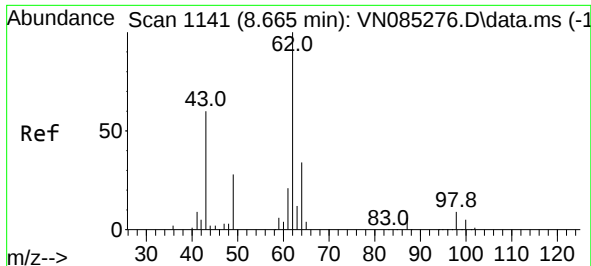
Ion Ratio Lower Upper

114 100

63 21.4 18.0 27.0

88 15.4 12.9 19.3





#36

1,2-Dichloroethane

Concen: 2.050 ug/l

RT: 9.094 min Scan# 11

Delta R.T. 0.429 min

Lab File: VN085375.D

Acq: 02 Jan 2025 12:10

Instrument :

MSVOA_N

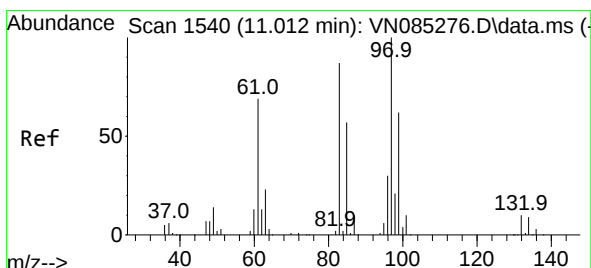
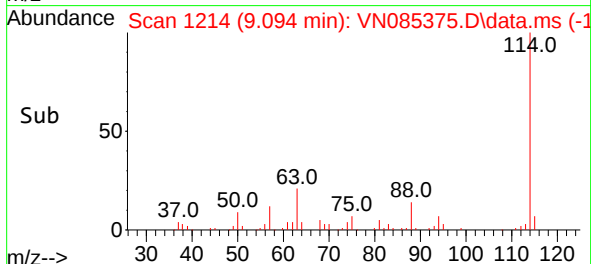
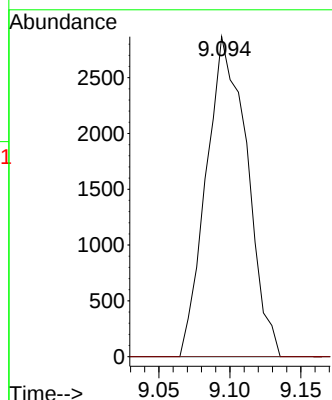
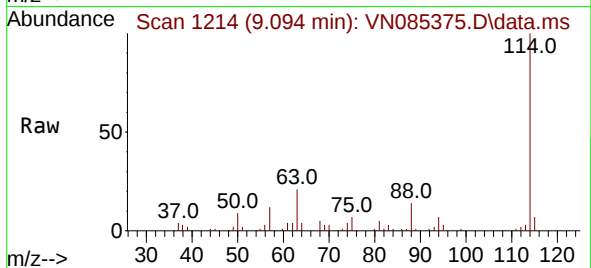
ClientSampleId :

Tgt Ion: 62 Resp: 5719

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#50

1,1,2-Trichloroethane

Concen: 3.462 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.447 min

Lab File: VN085375.D

Acq: 02 Jan 2025 12:10

Tgt Ion: 97 Resp: 6197

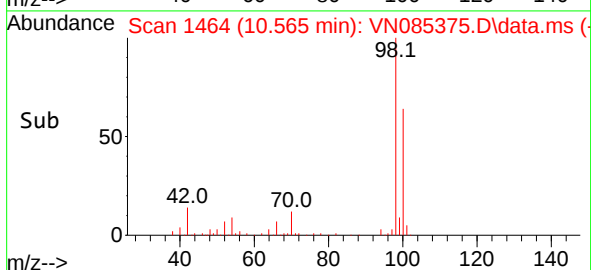
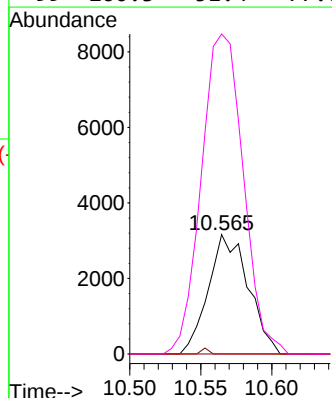
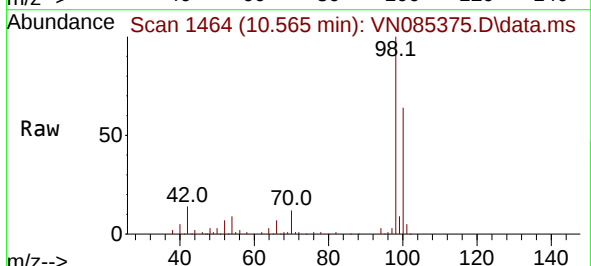
Ion Ratio Lower Upper

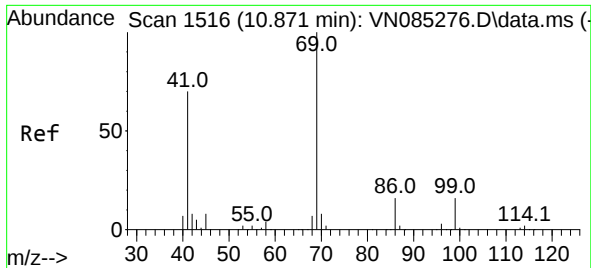
97 100

83 0.0 72.2 108.2#

85 0.0 46.6 70.0#

99 260.3 51.4 77.0#

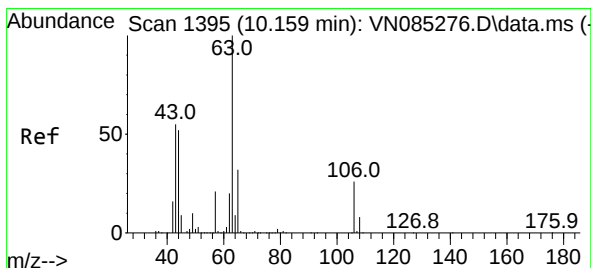
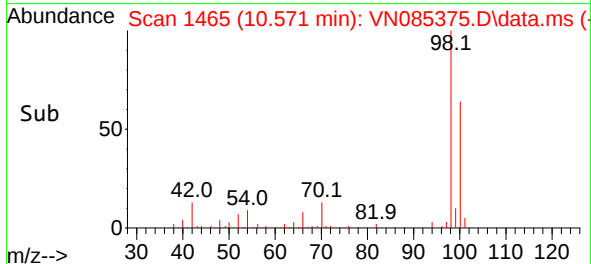
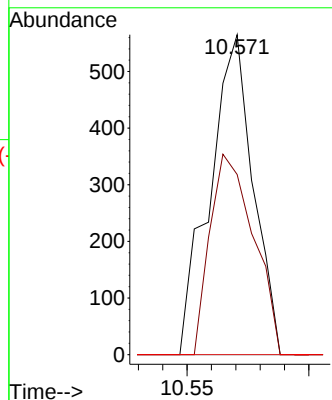
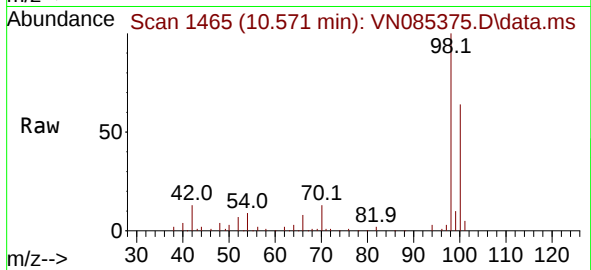




#51
Ethyl methacrylate
Concen: 0.259 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.300 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

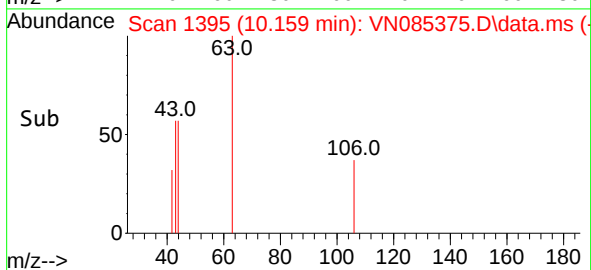
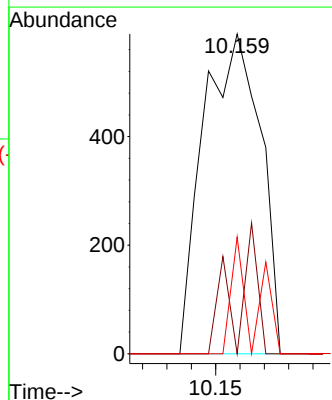
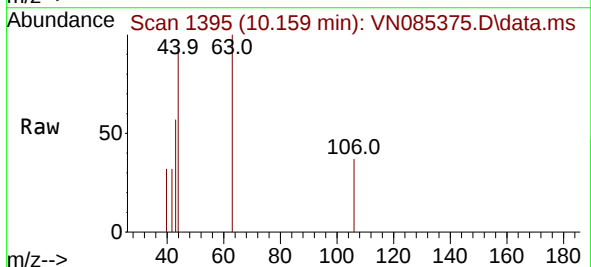
Instrument :
MSVOA_N
ClientSampleId :

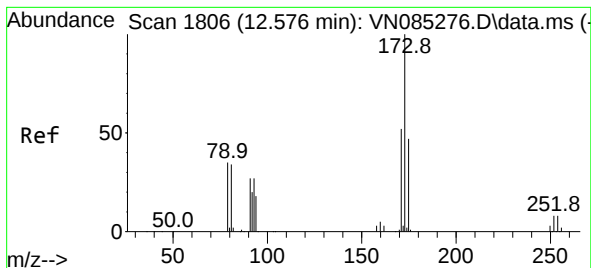
Tgt Ion: 69 Resp: 700
Ion Ratio Lower Upper
69 100
41 56.3 38.1 114.5
39 0.0 24.1 72.2#



#55
2-Chloroethyl vinyl ether
Concen: 0.690 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

Tgt Ion: 63 Resp: 962
Ion Ratio Lower Upper
63 100
65 6.5 25.9 38.9#
106 7.9 21.2 31.8#





#56

Bromoform

Concen: 0.547 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

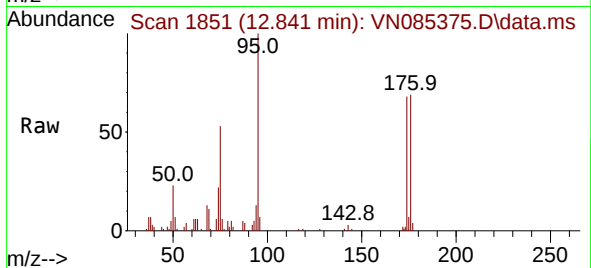
Lab File: VN085375.D

Acq: 02 Jan 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :



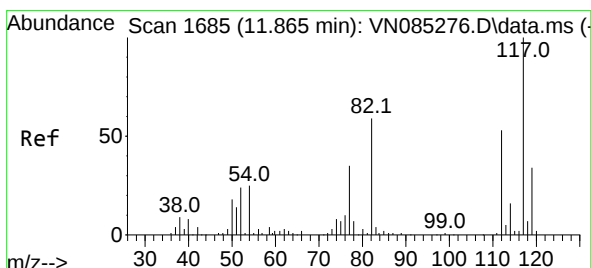
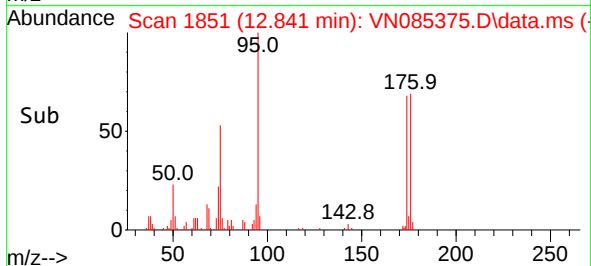
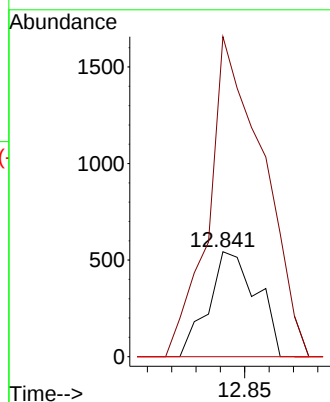
Tgt Ion:173 Resp: 749

Ion Ratio Lower Upper

173 100

175 345.9 39.4 59.2#

254 0.0 7.2 10.8#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VN085375.D

Acq: 02 Jan 2025 12:10

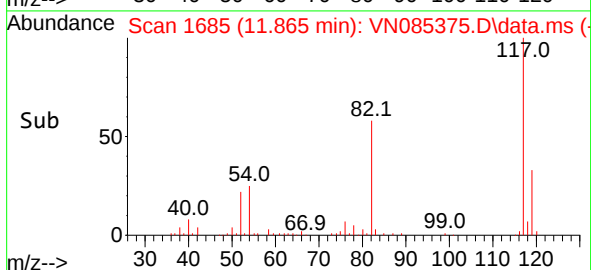
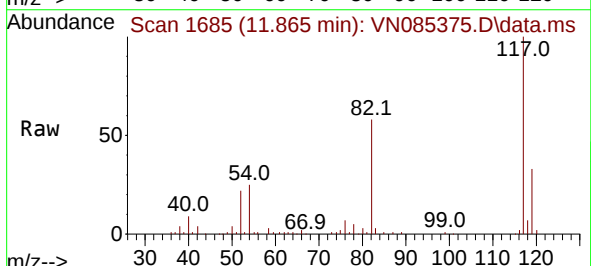
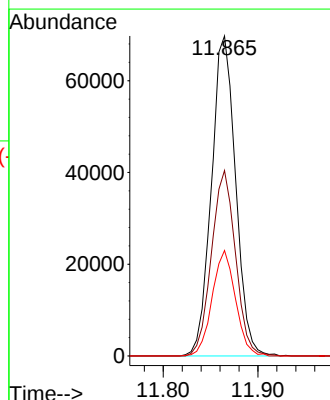
Tgt Ion:117 Resp: 123860

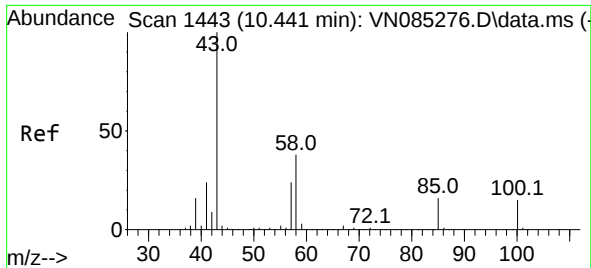
Ion Ratio Lower Upper

117 100

82 57.7 47.4 71.0

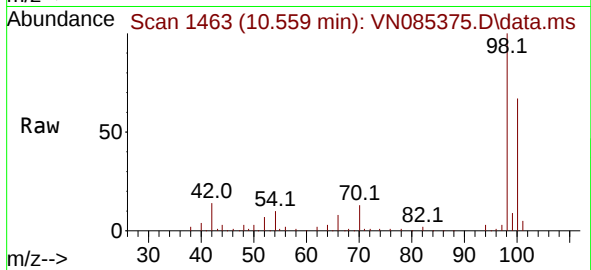
119 31.8 25.3 37.9



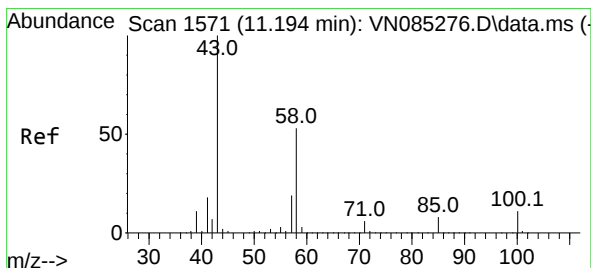
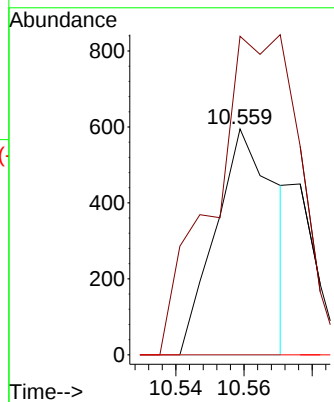
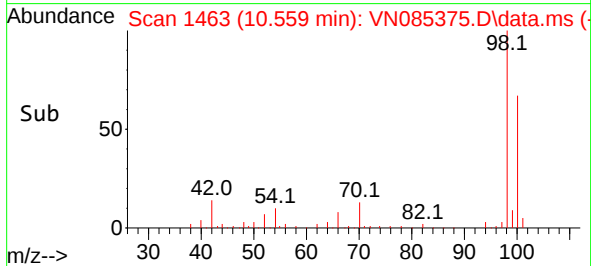


#58
4-Methyl-2-Pentanone
Concen: 0.291 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

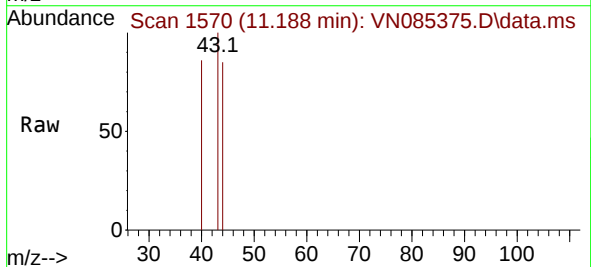
Instrument :
MSVOA_N
ClientSampleId :



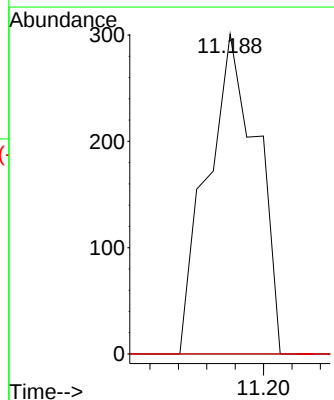
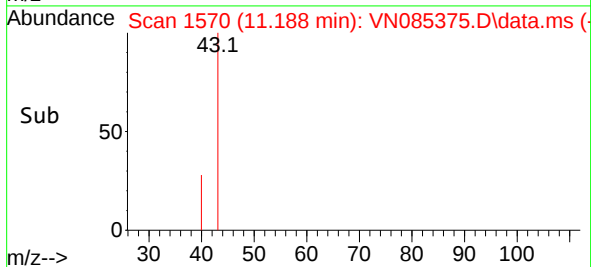
Tgt Ion: 43 Resp: 731
Ion Ratio Lower Upper
43 100
58 153.9 29.2 43.8#
85 0.0 12.8 19.2#

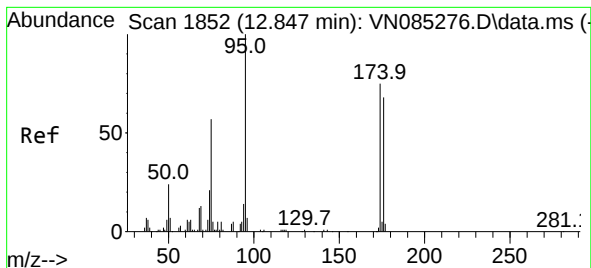


#59
2-Hexanone
Concen: 0.201 ug/l
RT: 11.188 min Scan# 1570
Delta R.T. -0.006 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10



Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
58 0.0 40.2 60.4#
57 0.0 14.2 21.4#

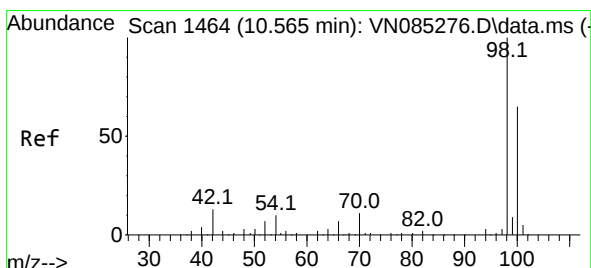
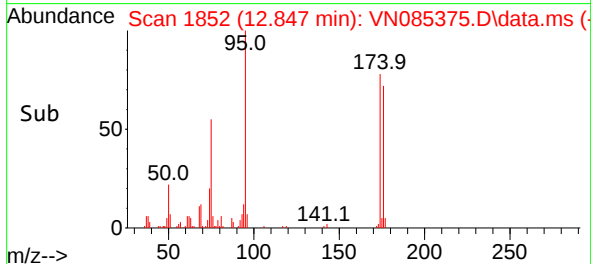
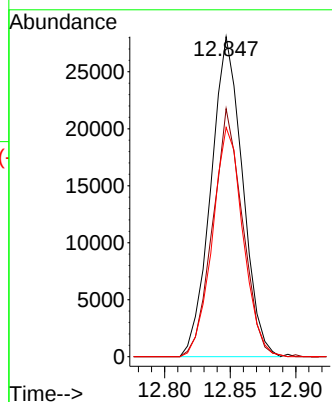
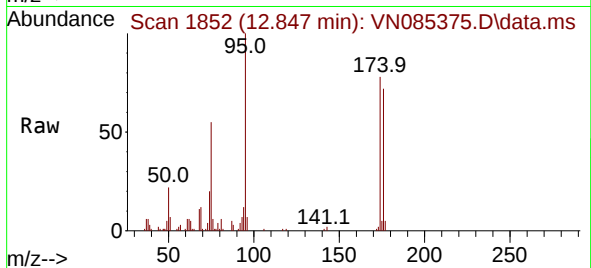




#60
4-Bromofluorobenzene
Concen: 23.438 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

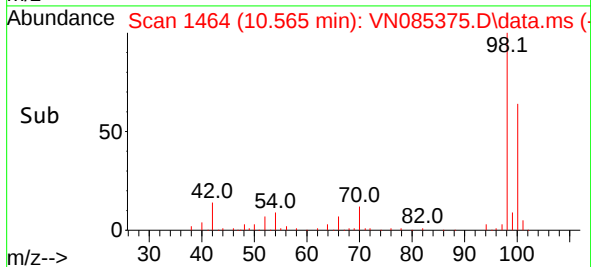
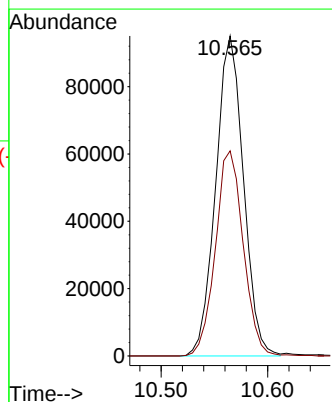
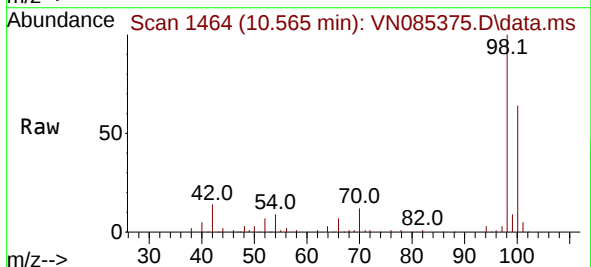
Instrument :
MSVOA_N
ClientSampleId :

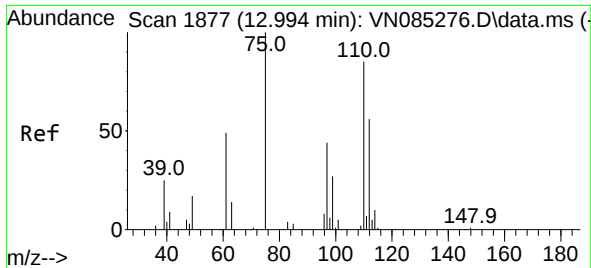
Tgt Ion: 95 Resp: 47025
Ion Ratio Lower Upper
95 100
174 73.0 57.8 86.8
176 69.3 57.1 85.7



#63
Toluene-d8
Concen: 28.436 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

Tgt Ion: 98 Resp: 171982
Ion Ratio Lower Upper
98 100
100 64.2 50.8 76.2

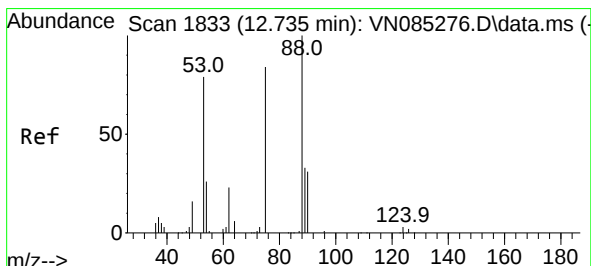
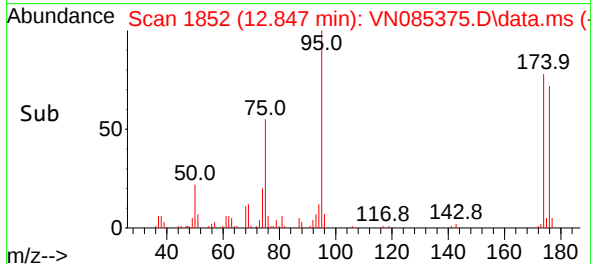
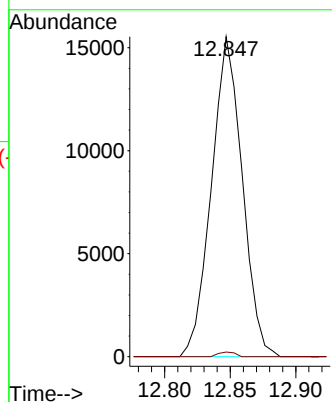
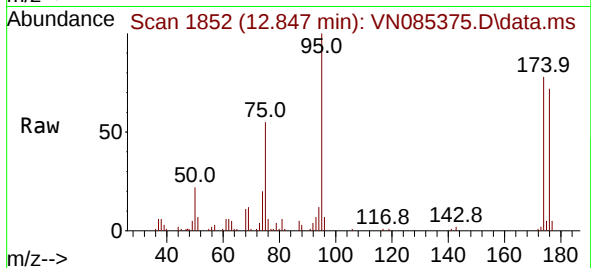




#72
1,2,3-Trichloropropane
Concen: 11.700 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

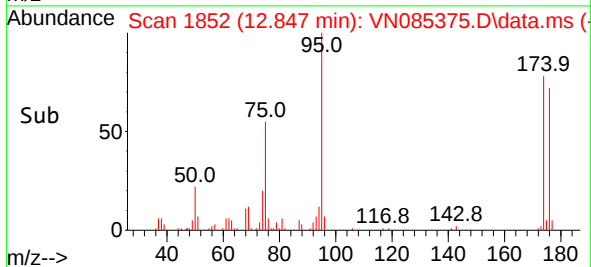
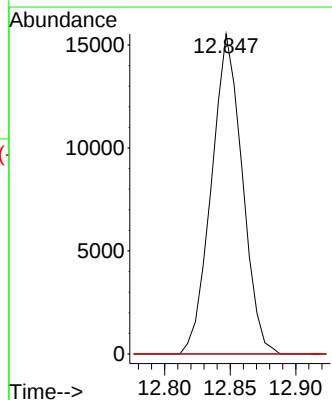
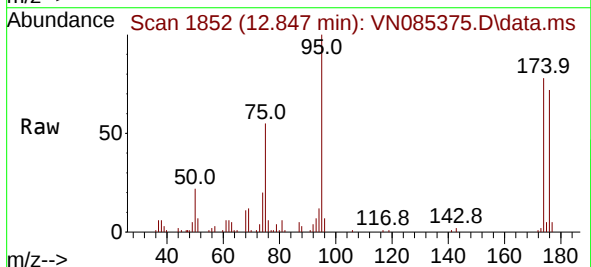
Instrument :
MSVOA_N
ClientSampleId :

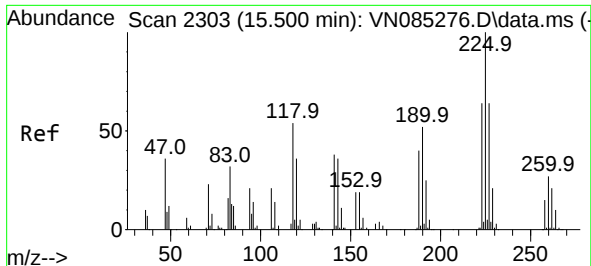
Tgt Ion: 75 Resp: 25375
Ion Ratio Lower Upper
75 100
77 0.8 0.0 407.2



#77
t-1,4-Dichloro-2-butene
Concen: 28.629 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

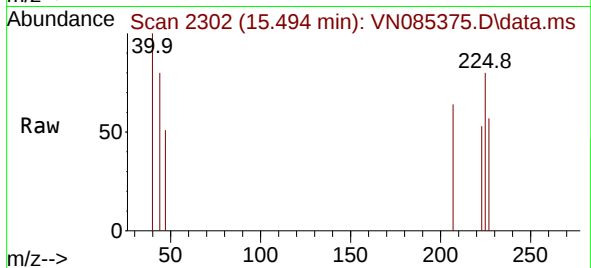
Tgt Ion: 75 Resp: 25375
Ion Ratio Lower Upper
75 100
53 0.0 54.9 164.5#
89 0.0 22.8 68.3#



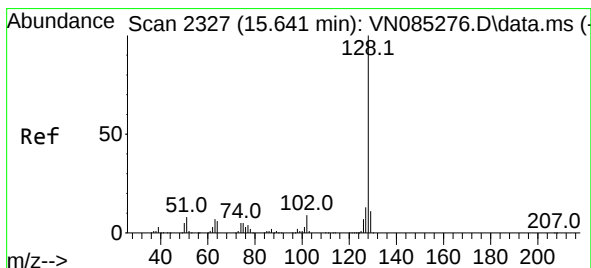
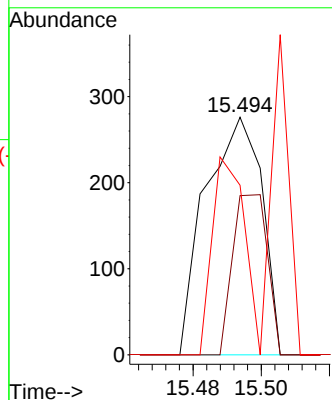
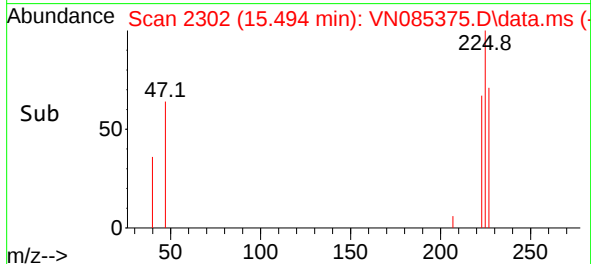


#90
Hexachlorobutadiene
Concen: 0.427 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

Instrument :
MSVOA_N
ClientSampleId :

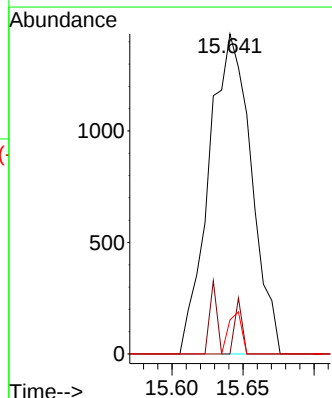
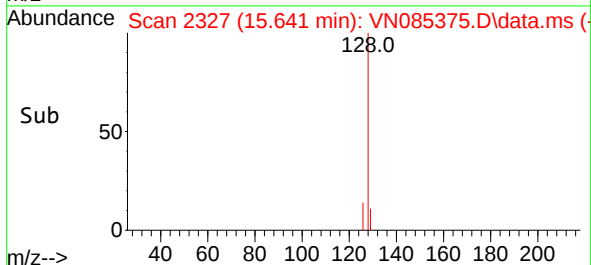
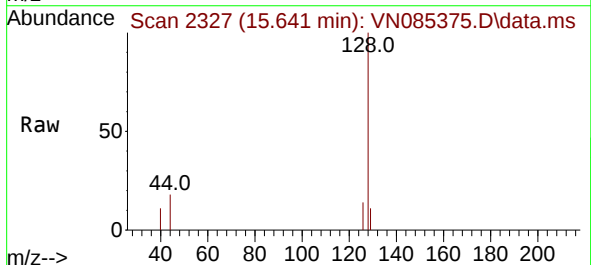


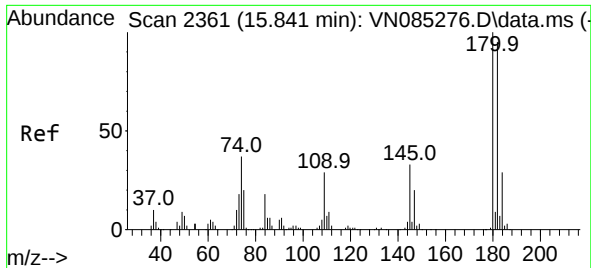
Tgt Ion:	225	Resp:	317
Ion	Ratio	Lower	Upper
225	100		
223	41.3	0.0	116.2
227	41.3	0.0	116.4



#91
Naphthalene
Concen: 0.625 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN085375.D
Acq: 02 Jan 2025 12:10

Tgt Ion:	128	Resp:	2990
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	4.0	8.6	13.0#





#92

1,2,3-Trichlorobenzene

Concen: 0.431 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.447 min

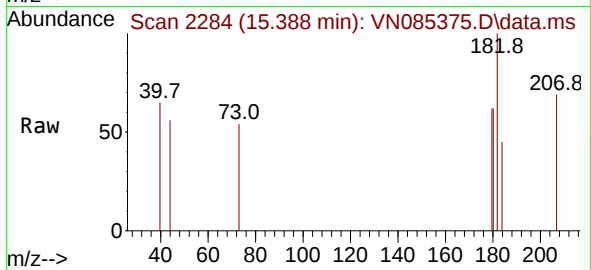
Lab File: VN085375.D

Acq: 02 Jan 2025 12:10

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 642

Ion Ratio Lower Upper

180 100

182 82.6 0.0 191.2

145 19.3 0.0 68.6

