

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010725\
 Data File : VN085393.D
 Acq On : 07 Jan 2025 12:06
 Operator : JC\MD
 Sample : VN0107WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 08 04:17:09 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)

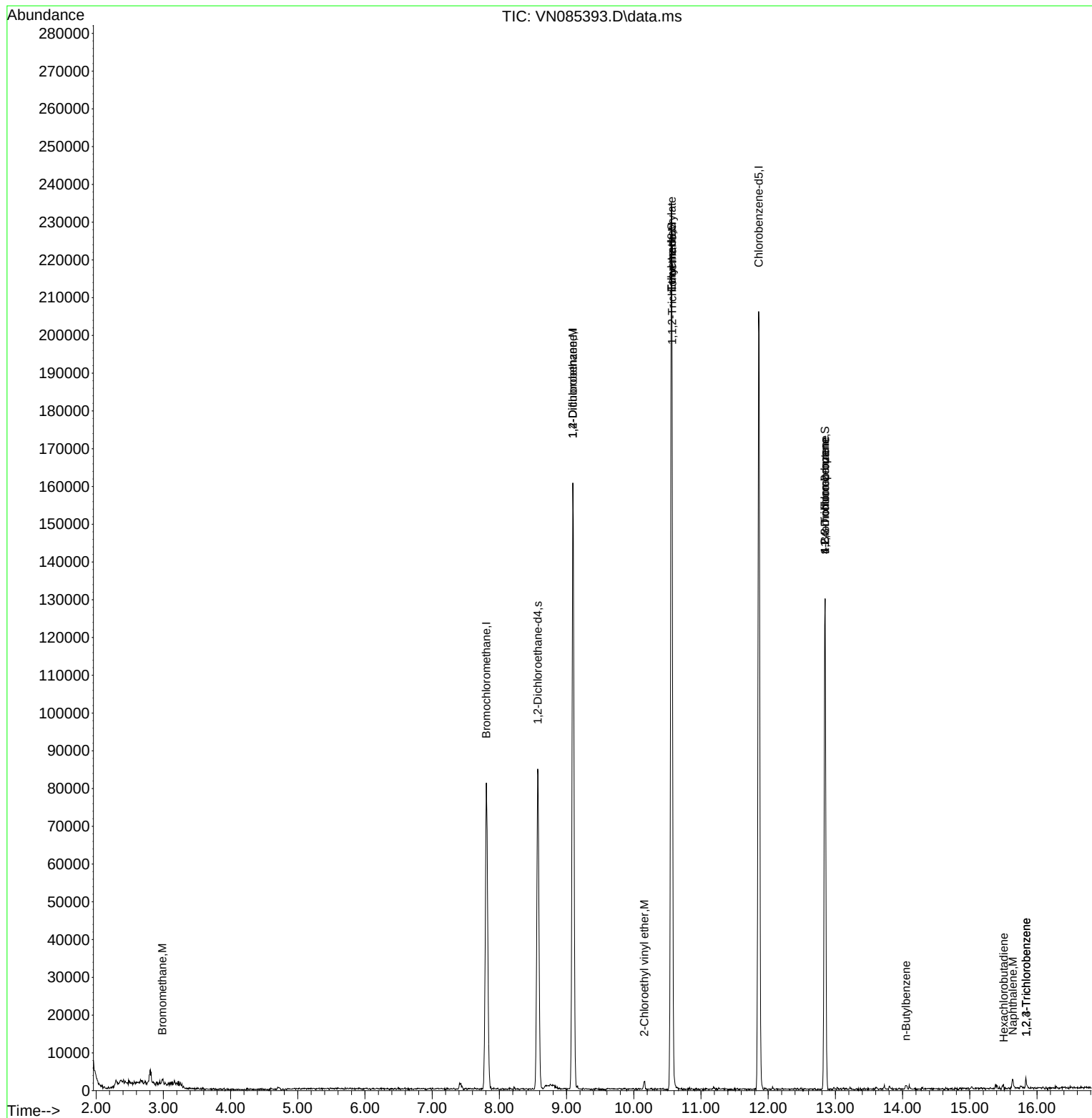
Internal Standards						
1) Bromochloromethane	7.806	128	26828	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.094	114	128912	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.859	117	114923	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.571	65	70918	30.050	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.167%
60) 4-Bromofluorobenzene	12.847	95	43260	23.238	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	77.467%
63) Toluene-d8	10.565	98	164326	29.283	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.600%
Target Compounds						
					Qvalue	
5) Bromomethane	2.983	94	810	0.603	ug/l #	79
36) 1,2-Dichloroethane	9.094	62	5430	2.122	ug/l #	77
50) 1,1,2-Trichloroethane	10.570	97	6634	4.042	ug/l #	1
51) Ethyl methacrylate	10.565	69	556	0.224	ug/l #	60
55) 2-Chloroethyl vinyl ether	10.159	63	1093	0.855	ug/l #	65
72) 1,2,3-Trichloropropane	12.847	75	25286	12.566	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	25286	30.747	ug/l #	6
85) n-Butylbenzene	14.053	91	974	0.204	ug/l #	63
89) 1,2,4-Trichlorobenzene	15.841	180	574	0.415	ug/l #	51
90) Hexachlorobutadiene	15.505	225	422	0.612	ug/l	60
91) Naphthalene	15.641	128	2988	0.673	ug/l #	83
92) 1,2,3-Trichlorobenzene	15.841	180	574	0.415	ug/l #	51

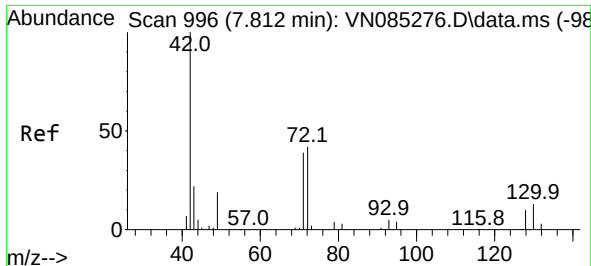
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010725\
Data File : VN085393.D
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ALS Vial : 6 Sample Multiplier: 1

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MSVOA_N
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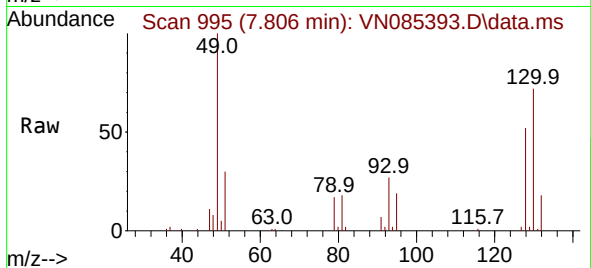
Quant Time: Jan 08 04:17:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N122024W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Dec 21 02:03:07 2024
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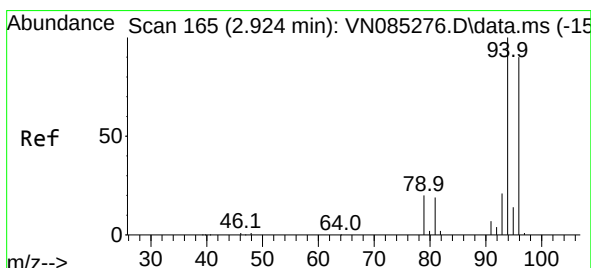
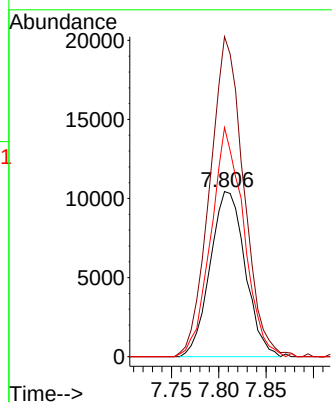
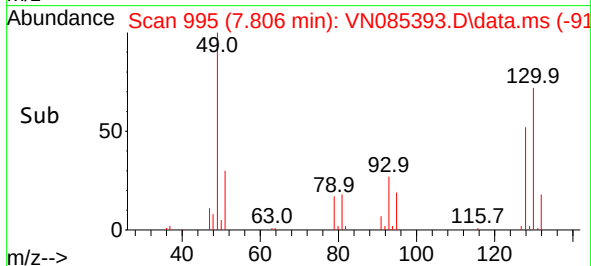


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

Instrument :
MSVOA_N
ClientSampleId :

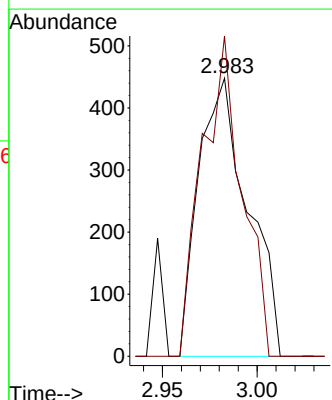
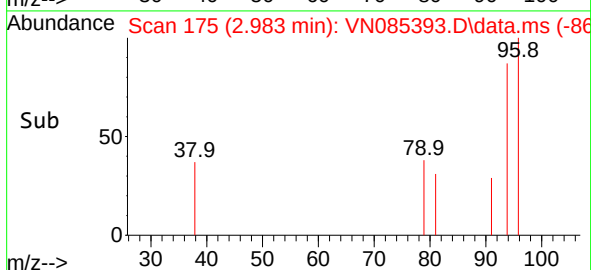
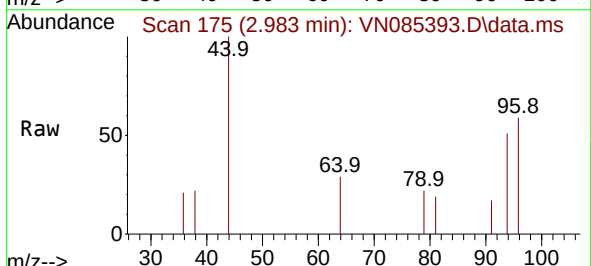


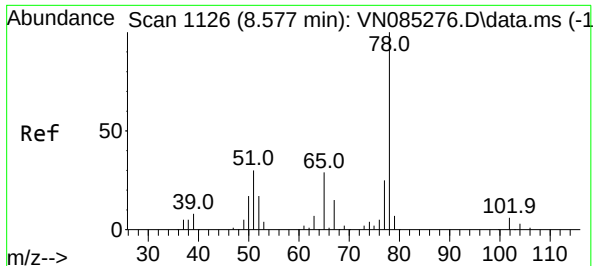
Tgt Ion:128 Resp: 26828
Ion Ratio Lower Upper
128 100
49 187.0 0.0 497.8
130 130.3 0.0 328.5



#5
Bromomethane
Concen: 0.603 ug/l
RT: 2.983 min Scan# 175
Delta R.T. 0.023 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

Tgt Ion: 94 Resp: 810
Ion Ratio Lower Upper
94 100
96 115.2 75.6 113.4#





#27

1,2-Dichloroethane-d4

Concen: 30.050 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN085393.D

Acq: 07 Jan 2025 12:06

Instrument :

MSVOA_N

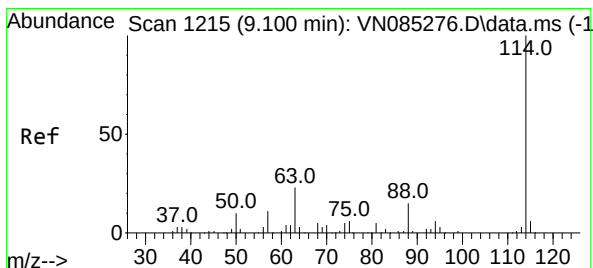
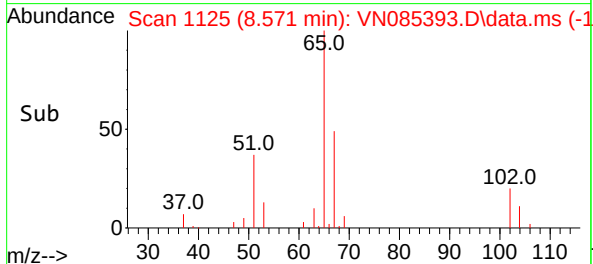
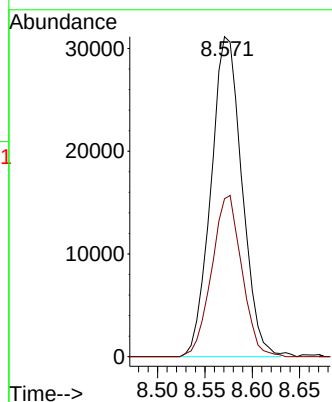
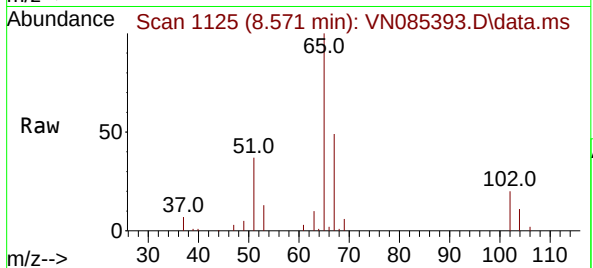
ClientSampleId :

Tgt Ion: 65 Resp: 70918

Ion Ratio Lower Upper

65 100

67 49.0 42.0 63.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN085393.D

Acq: 07 Jan 2025 12:06

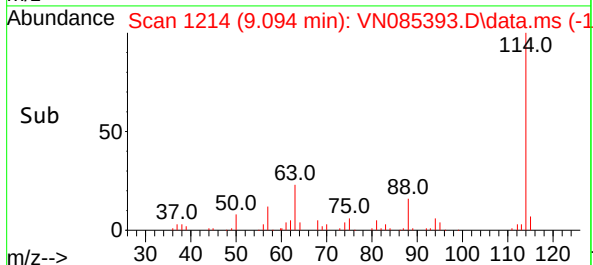
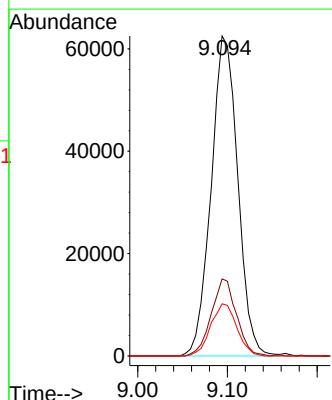
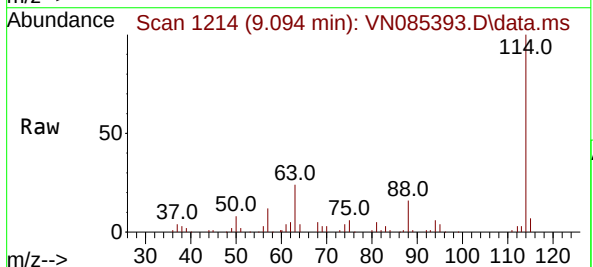
Tgt Ion: 114 Resp: 128912

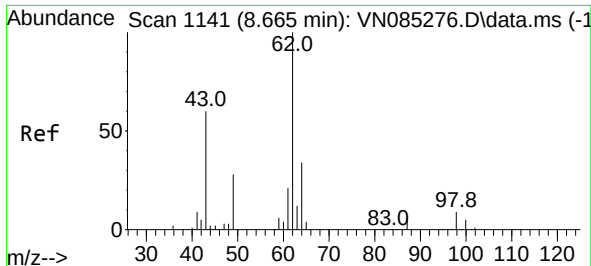
Ion Ratio Lower Upper

114 100

63 22.7 18.0 27.0

88 16.0 12.9 19.3





#36

1,2-Dichloroethane

Concen: 2.122 ug/l

RT: 9.094 min Scan# 11

Delta R.T. 0.429 min

Lab File: VN085393.D

Acq: 07 Jan 2025 12:06

Instrument :

MSVOA_N

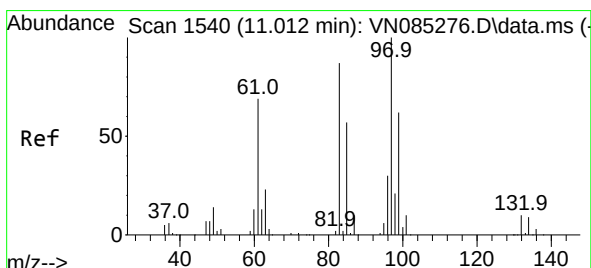
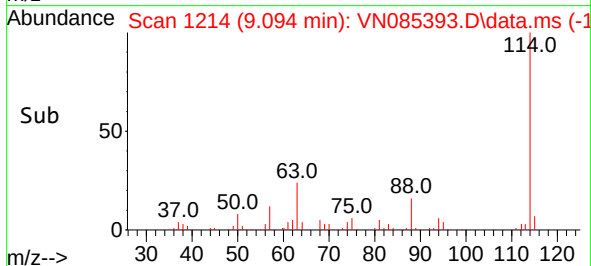
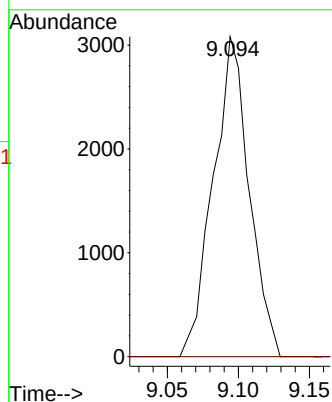
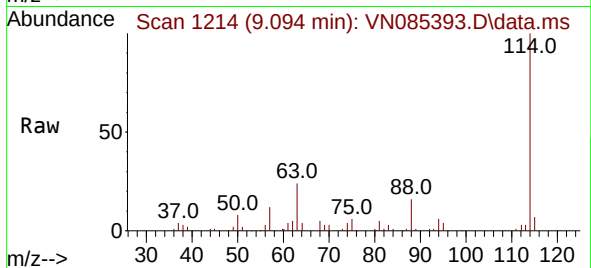
ClientSampleId :

Tgt Ion: 62 Resp: 5430

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



#50

1,1,2-Trichloroethane

Concen: 4.042 ug/l

RT: 10.570 min Scan# 1465

Delta R.T. -0.441 min

Lab File: VN085393.D

Acq: 07 Jan 2025 12:06

Tgt Ion: 97 Resp: 6634

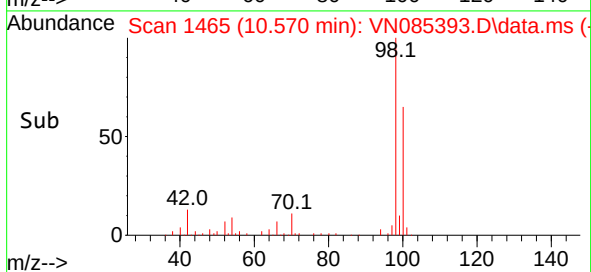
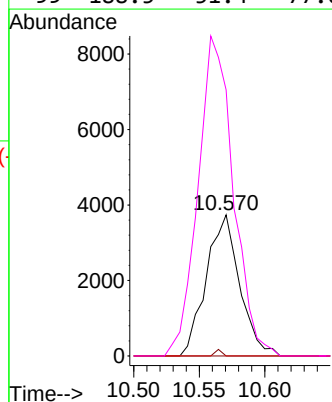
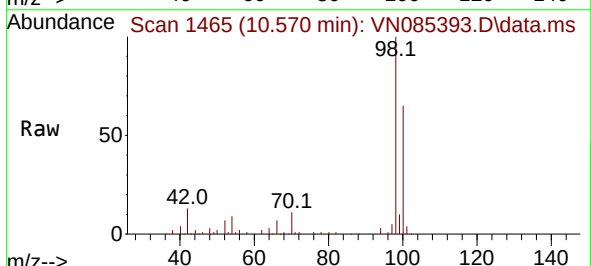
Ion Ratio Lower Upper

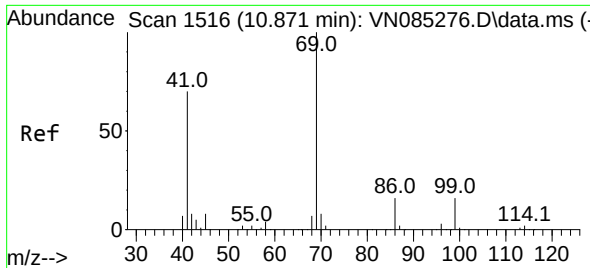
97 100

83 0.0 72.2 108.2#

85 0.0 46.6 70.0#

99 188.5 51.4 77.0#

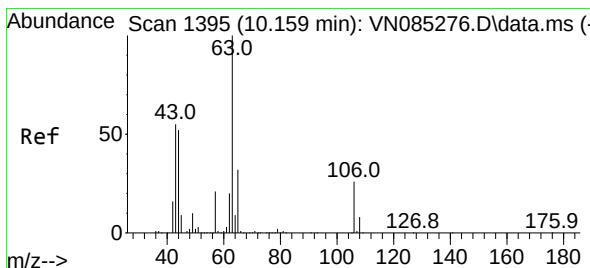
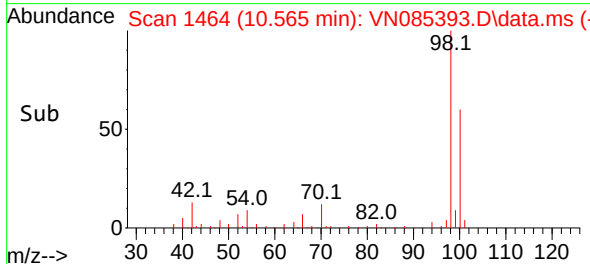
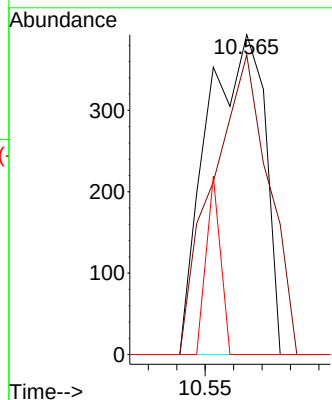
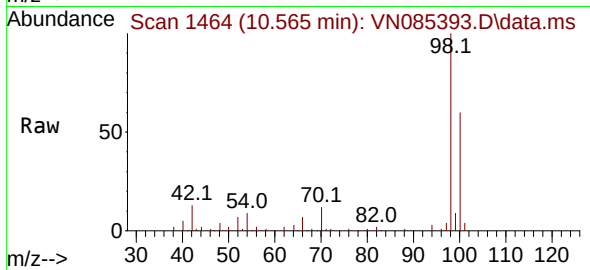




#51
Ethyl methacrylate
Concen: 0.224 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.306 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

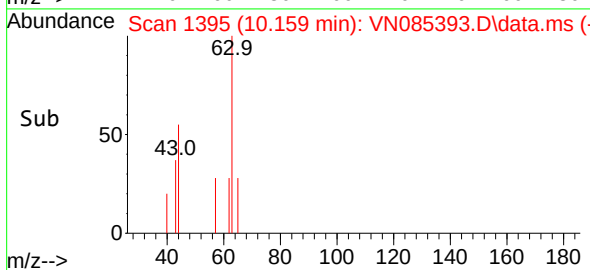
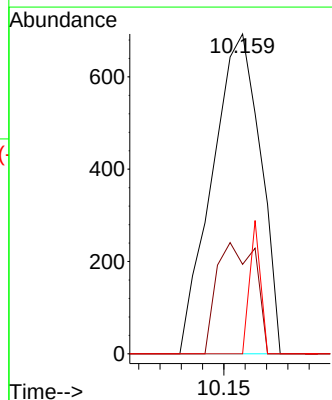
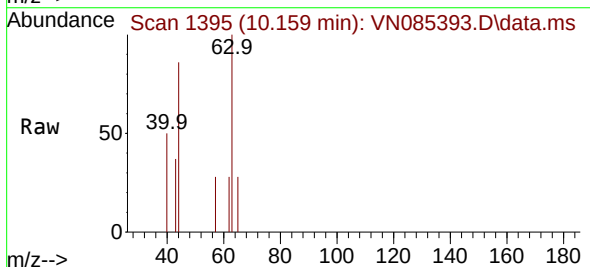
Instrument :
MSVOA_N
ClientSampleId :

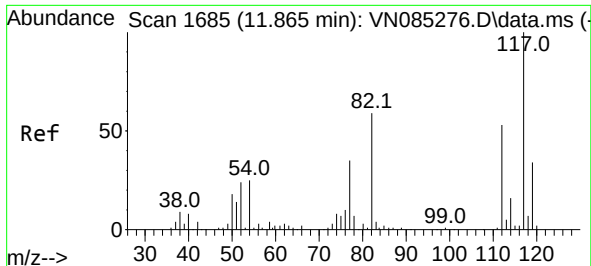
Tgt Ion: 69 Resp: 556
Ion Ratio Lower Upper
69 100
41 93.6 38.1 114.5
39 0.0 24.1 72.2#



#55
2-Chloroethyl vinyl ether
Concen: 0.855 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

Tgt Ion: 63 Resp: 1093
Ion Ratio Lower Upper
63 100
65 20.2 25.9 38.9#
106 0.0 21.2 31.8#

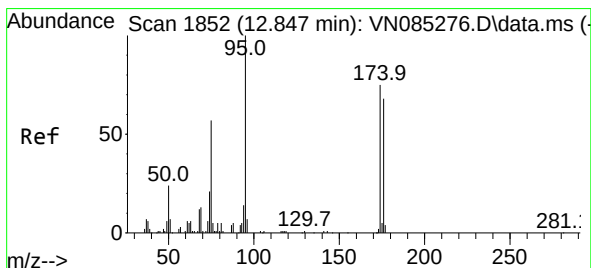
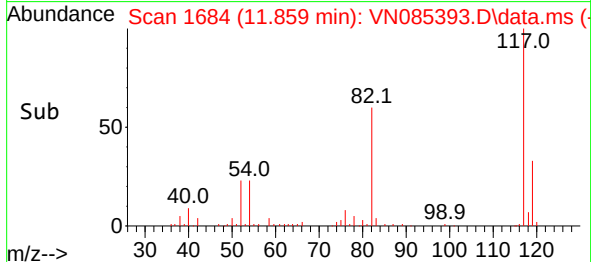
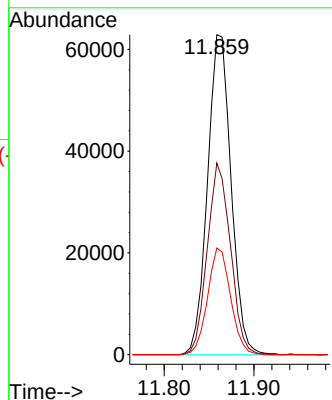
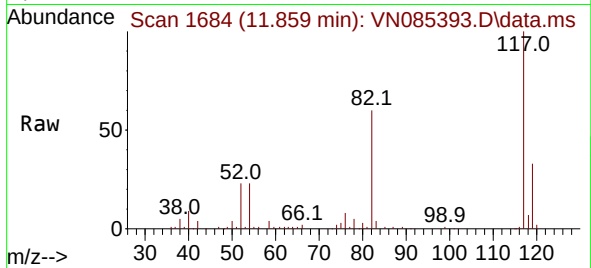




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.859 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

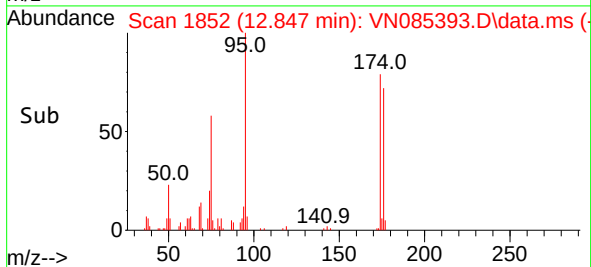
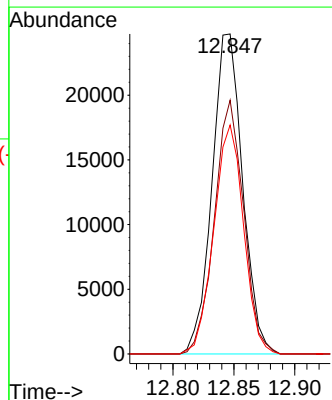
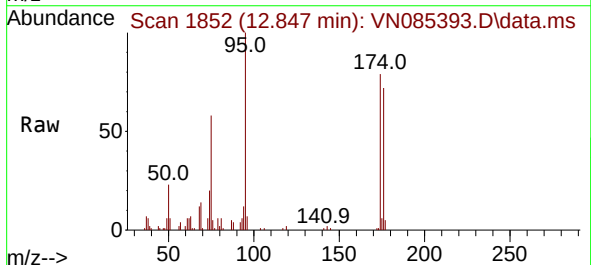
Instrument :
MSVOA_N
ClientSampleId :

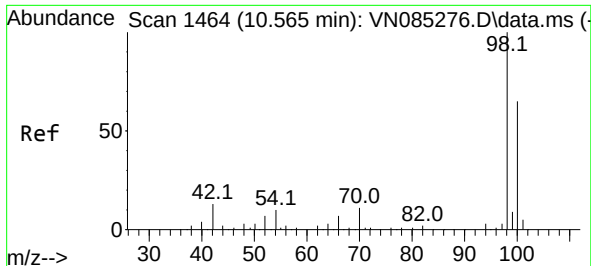
Tgt Ion:117 Resp: 114923
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.0
119 32.5 25.3 37.9



#60
4-Bromofluorobenzene
Concen: 23.238 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

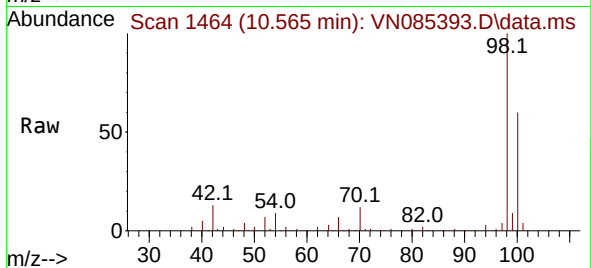
Tgt Ion: 95 Resp: 43260
Ion Ratio Lower Upper
95 100
174 75.8 57.8 86.8
176 69.8 57.1 85.7



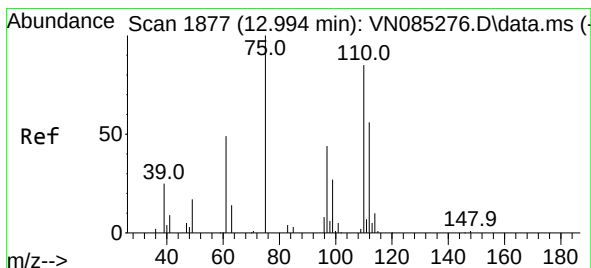
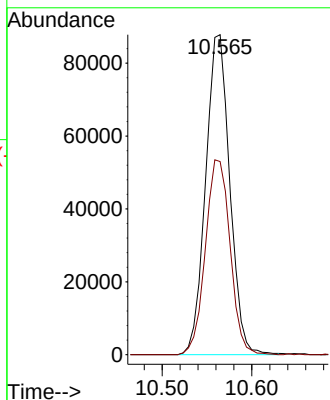
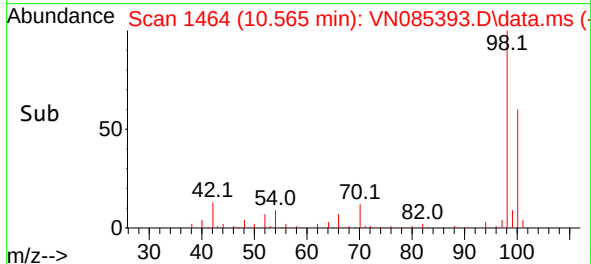


#63
Toluene-d8
Concen: 29.283 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

Instrument :
MSVOA_N
ClientSampleId :

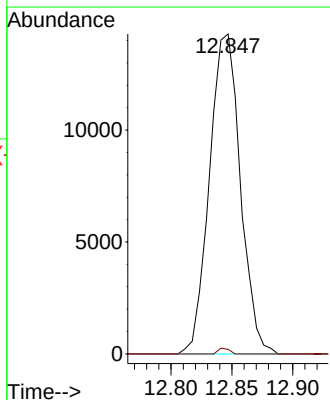
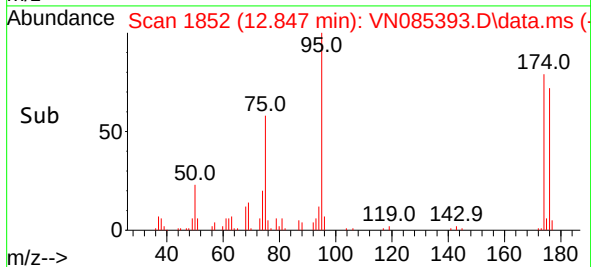
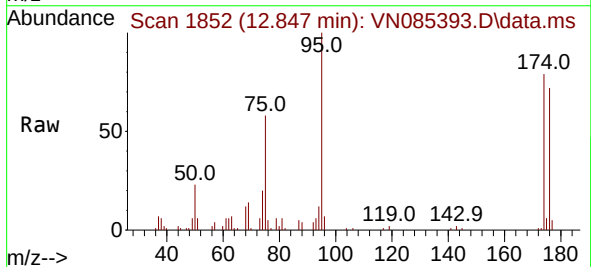


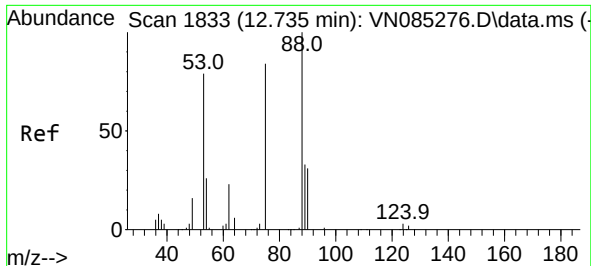
Tgt Ion: 98 Resp: 164326
Ion Ratio Lower Upper
98 100
100 62.3 50.8 76.2



#72
1,2,3-Trichloropropane
Concen: 12.566 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

Tgt Ion: 75 Resp: 25286
Ion Ratio Lower Upper
75 100
77 0.6 0.0 407.2

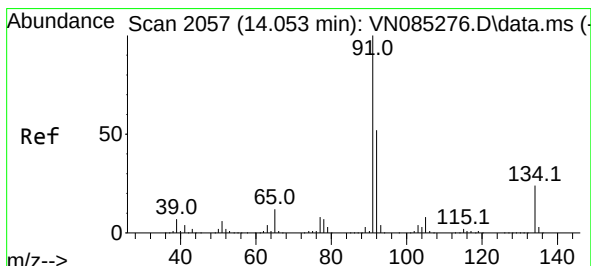
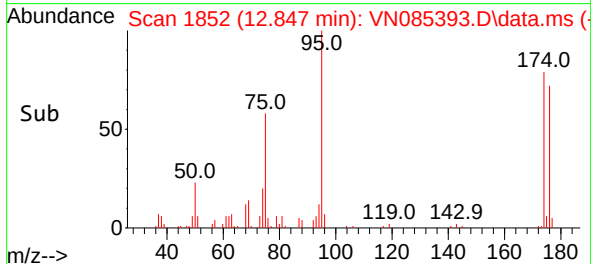
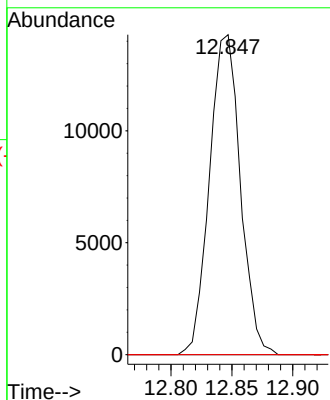
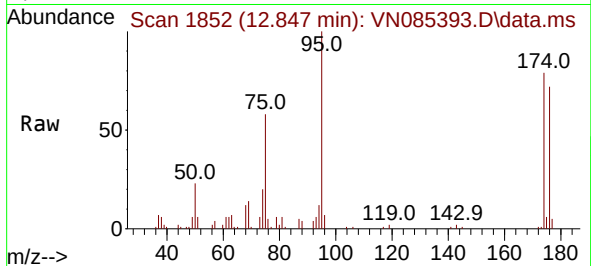




#77
t-1,4-Dichloro-2-butene
Concen: 30.747 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

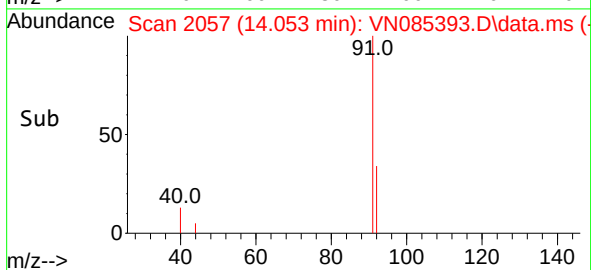
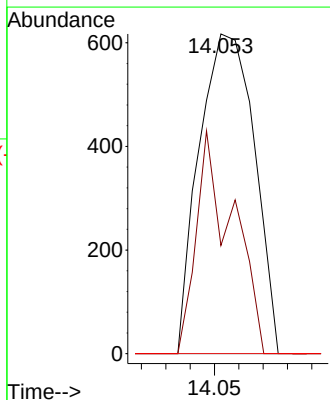
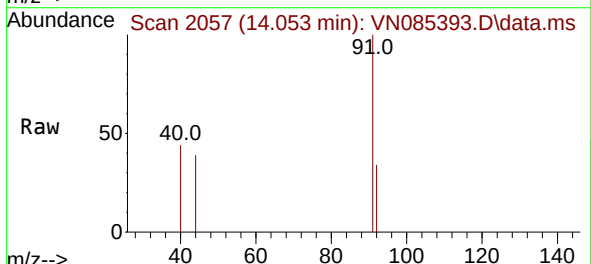
Instrument :
MSVOA_N
ClientSampleId :

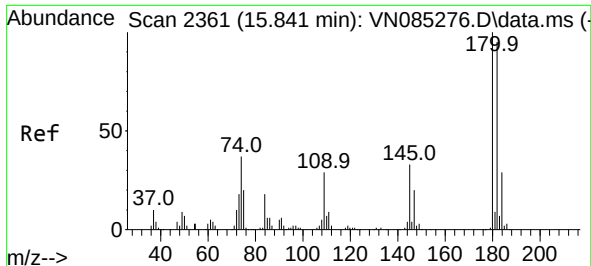
Tgt Ion: 75 Resp: 25286
Ion Ratio Lower Upper
75 100
53 0.0 54.9 164.5#
89 0.0 22.8 68.3#



#85
n-Butylbenzene
Concen: 0.204 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

Tgt Ion: 91 Resp: 974
Ion Ratio Lower Upper
91 100
92 28.9 0.0 102.0
134 0.0 0.0 46.4





#89

1,2,4-Trichlorobenzene

Concen: 0.415 ug/l

RT: 15.841 min Scan# 21

Delta R.T. 0.006 min

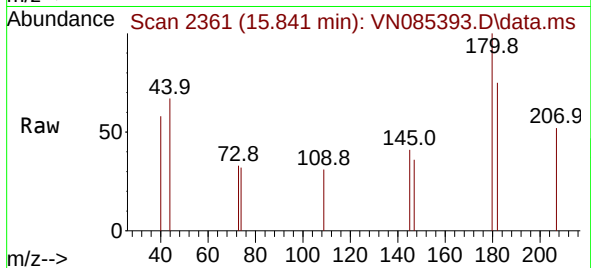
Lab File: VN085393.D

Acq: 07 Jan 2025 12:06

Instrument :

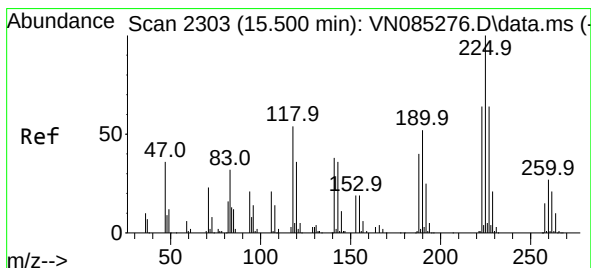
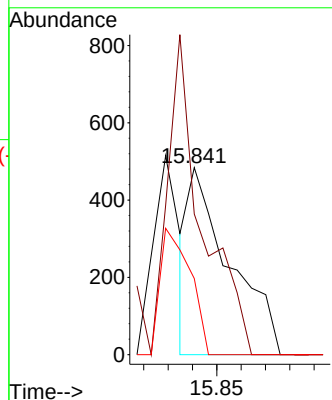
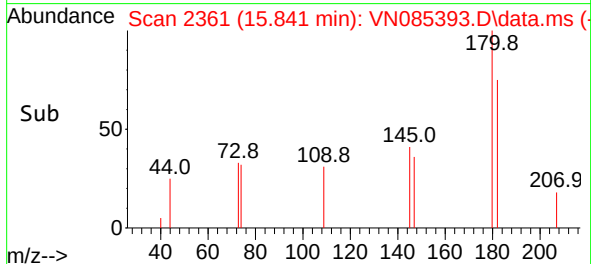
MSVOA_N

ClientSampleId :



Tgt Ion:180 Resp: 574

Ion	Ratio	Lower	Upper
180	100		
182	139.5	76.5	114.7#
145	0.0	27.4	41.2#



#90

Hexachlorobutadiene

Concen: 0.612 ug/l

RT: 15.505 min Scan# 2304

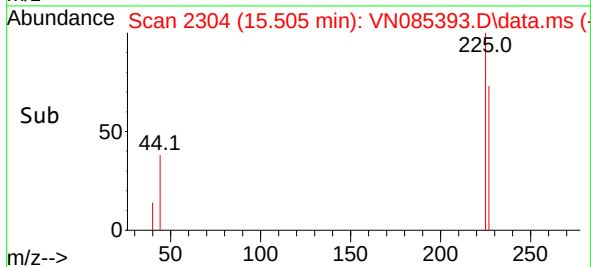
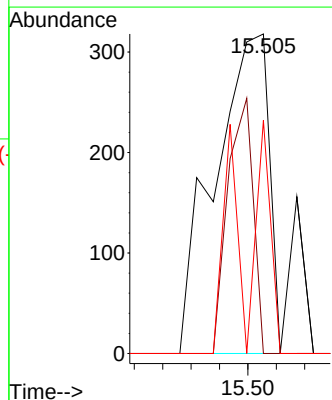
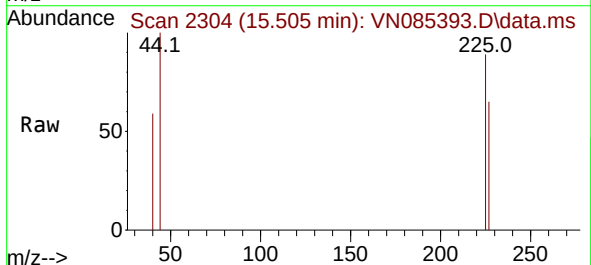
Delta R.T. 0.006 min

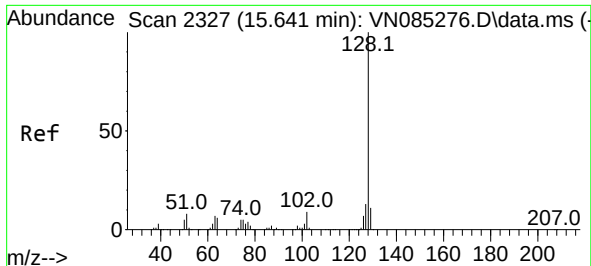
Lab File: VN085393.D

Acq: 07 Jan 2025 12:06

Tgt Ion:225 Resp: 422

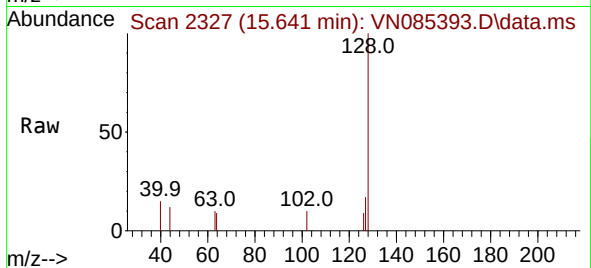
Ion	Ratio	Lower	Upper
225	100		
223	37.4	0.0	116.2
227	19.4	0.0	116.4



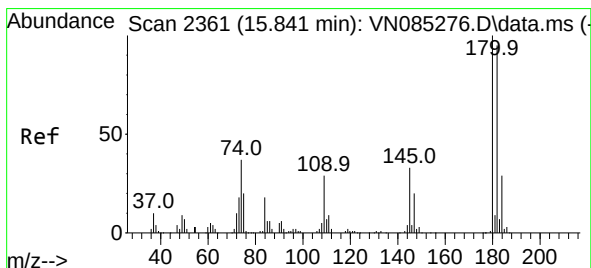
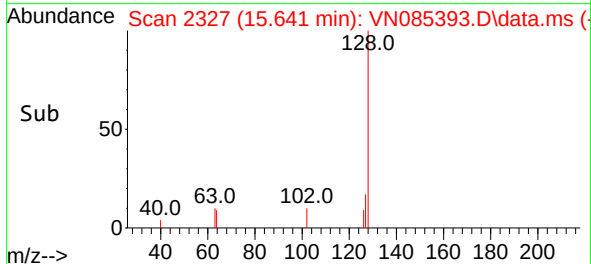
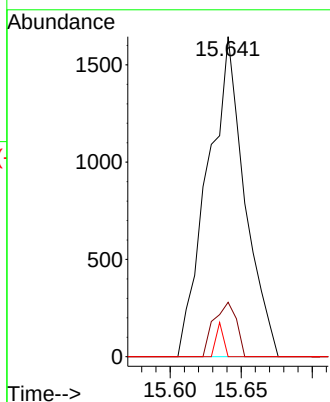


#91
Naphthalene
Concen: 0.673 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2988
Ion Ratio Lower Upper
128 100
127 10.3 10.6 16.0#
129 0.0 8.6 13.0#



#92
1,2,3-Trichlorobenzene
Concen: 0.415 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN085393.D
Acq: 07 Jan 2025 12:06

Tgt Ion:180 Resp: 574
Ion Ratio Lower Upper
180 100
182 139.5 0.0 191.2
145 0.0 0.0 68.6

