

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
 Data File : VN086260.D
 Acq On : 14 Apr 2025 11:27
 Operator : JC\MD
 Sample : VN0414WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBL01

Quant Time: Apr 15 03:06:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Apr 12 01:21:52 2025
 Response via : Initial Calibration

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

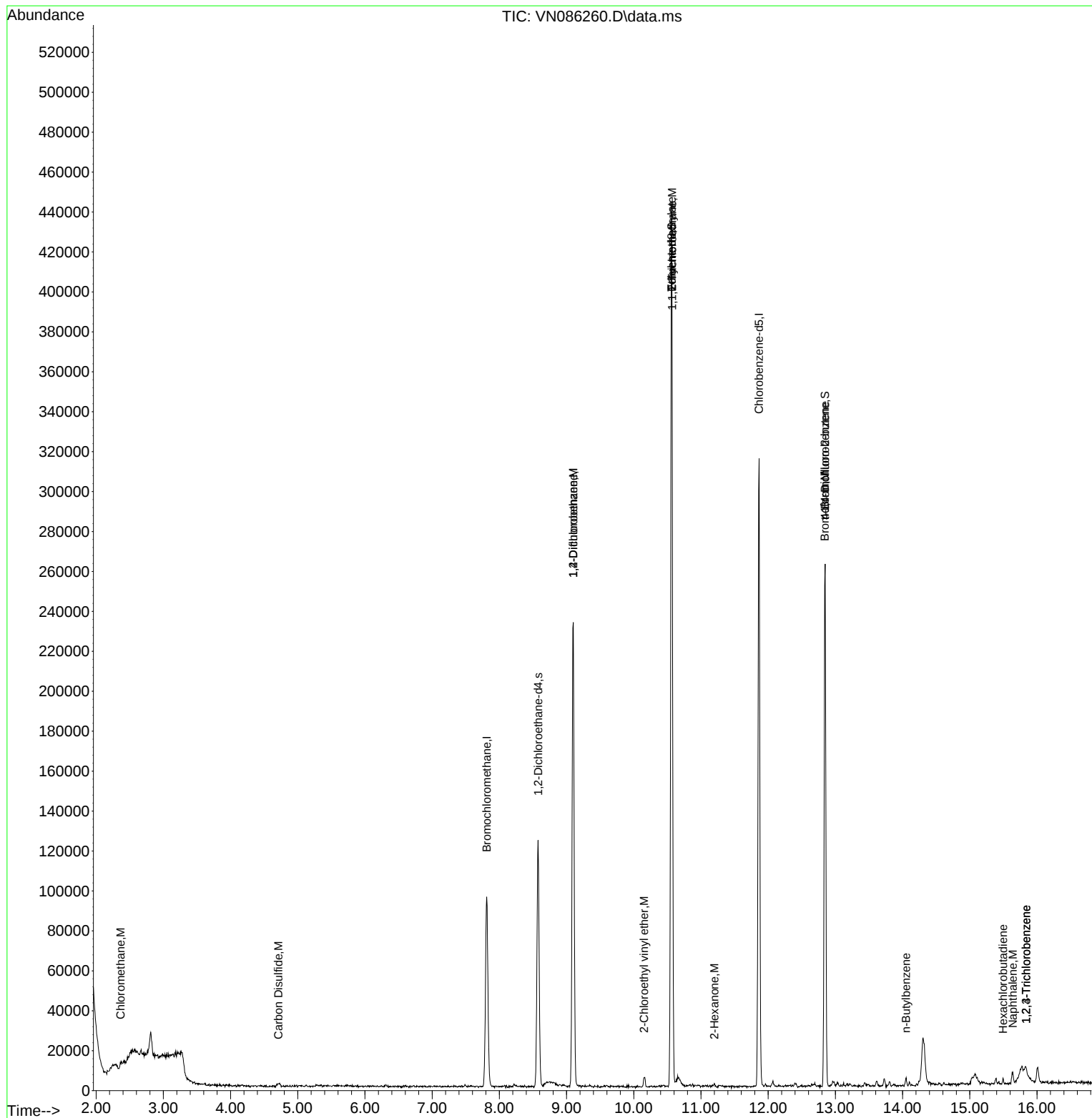
Internal Standards						
1) Bromochloromethane	7.812	128	34059	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	208636	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	183354	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	100164	30.152	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.500%
60) 4-Bromofluorobenzene	12.847	95	100864	27.630	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.100%
63) Toluene-d8	10.565	98	308243	29.778	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.267%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1284	0.340	ug/l	99
16) Carbon Disulfide	4.712	76	1773	0.238	ug/l #	74
36) 1,2-Dichloroethane	9.100	62	7054	1.896	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	9381	3.500	ug/l #	1
51) Ethyl methacrylate	10.565	69	1286	0.258	ug/l	86
55) 2-Chloroethyl vinyl ether	10.153	63	2319	1.232	ug/l	97
56) Bromoform	12.841	173	536	0.279	ug/l #	1
59) 2-Hexanone	11.200	43	994	0.321	ug/l #	37
77) t-1,4-Dichloro-2-butene	12.847	75	49724	29.593	ug/l #	12
85) n-Butylbenzene	14.053	91	2348	0.256	ug/l	93
89) 1,2,4-Trichlorobenzene	15.841	180	1246	0.512	ug/l #	83
90) Hexachlorobutadiene	15.494	225	528	0.503	ug/l	89
91) Naphthalene	15.641	128	5990	0.624	ug/l #	93
92) 1,2,3-Trichlorobenzene	15.841	180	1246	0.512	ug/l	83

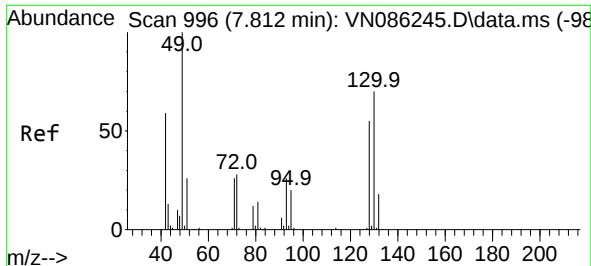
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041425\
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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
VN0414WBL01

Quant Time: Apr 15 03:06:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N041125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Apr 12 01:21:52 2025
Response via : Initial Calibration

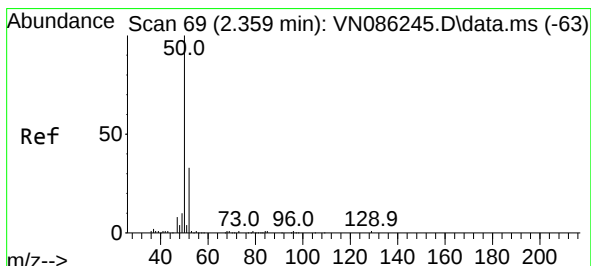
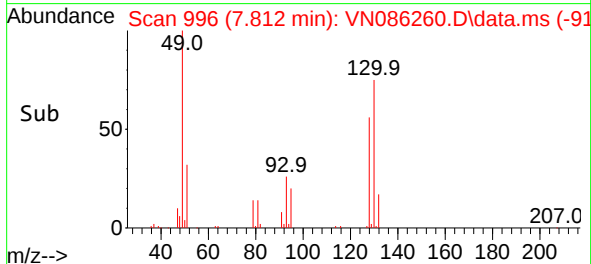
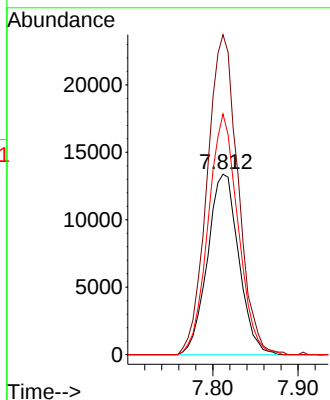
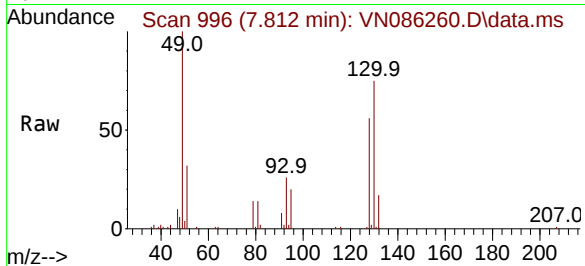




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. -0.000 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

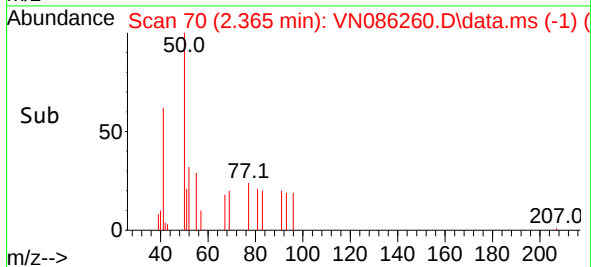
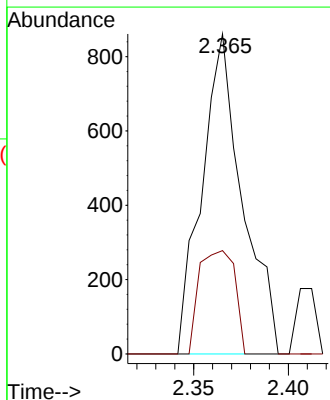
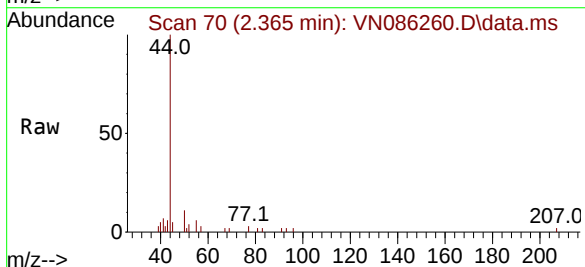
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBL01

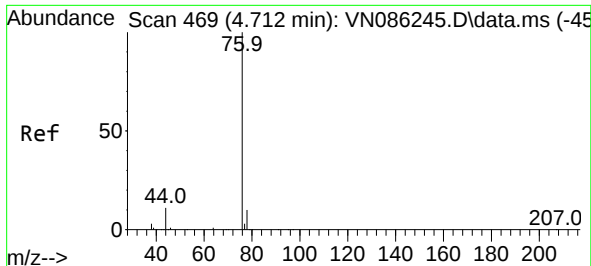
Tgt Ion:128 Resp: 34059
Ion Ratio Lower Upper
128 100
49 175.4 0.0 452.5
130 127.5 0.0 315.0



#3
Chloromethane
Concen: 0.340 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

Tgt Ion: 50 Resp: 1284
Ion Ratio Lower Upper
50 100
52 32.3 26.4 39.6

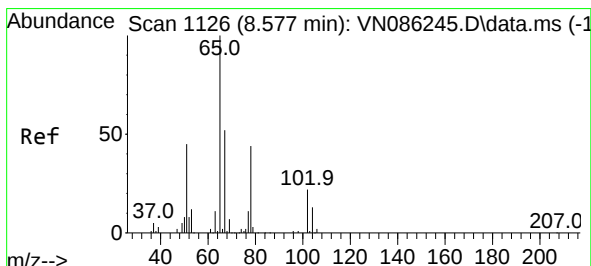
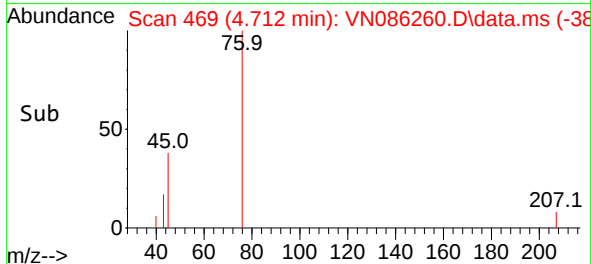
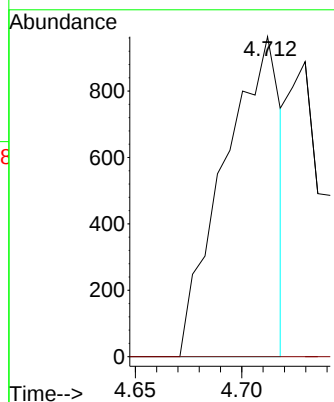
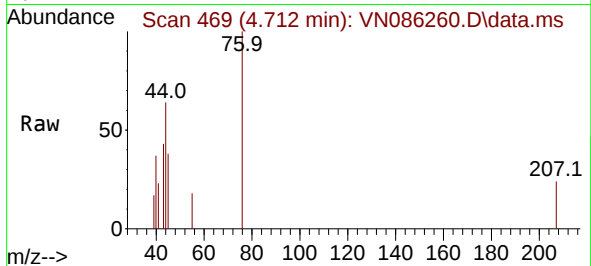




#16
Carbon Disulfide
Concen: 0.238 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

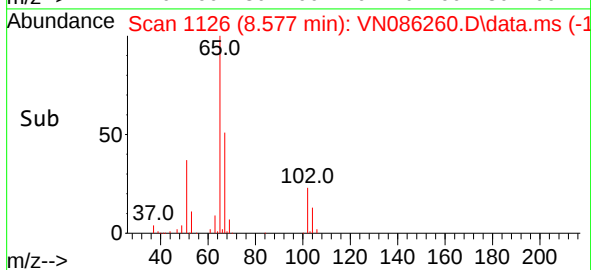
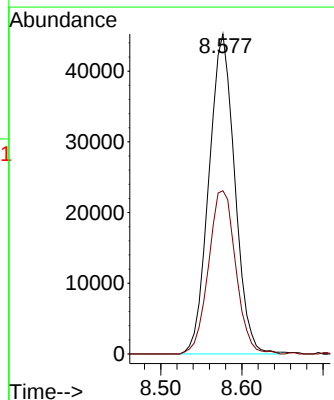
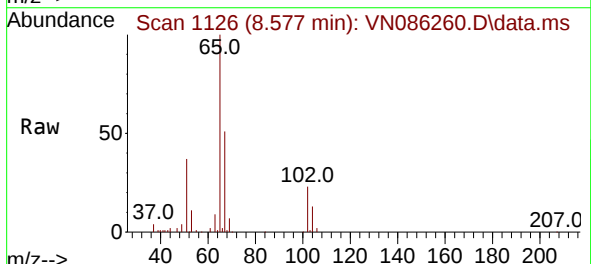
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBL01

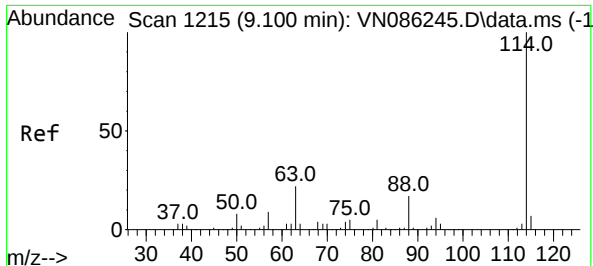
Tgt Ion: 76 Resp: 1773
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#27
1,2-Dichloroethane-d4
Concen: 30.152 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

Tgt Ion: 65 Resp: 100164
Ion Ratio Lower Upper
65 100
67 53.7 43.4 65.2

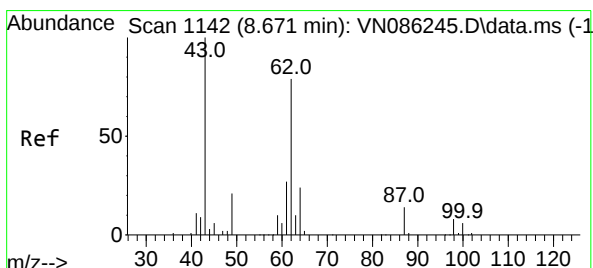
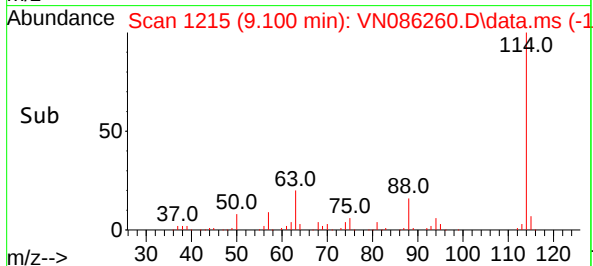
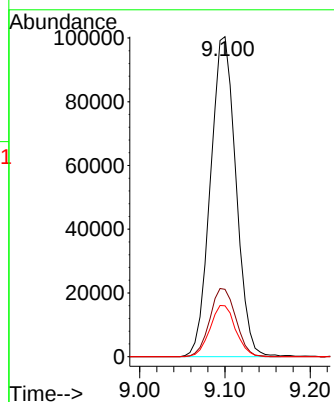
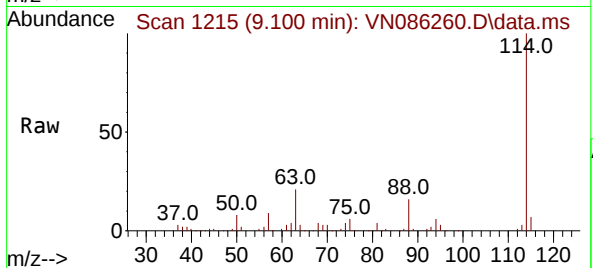




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 114
 Delta R.T. -0.000 min
 Lab File: VN086260.D
 Acq: 14 Apr 2025 11:27

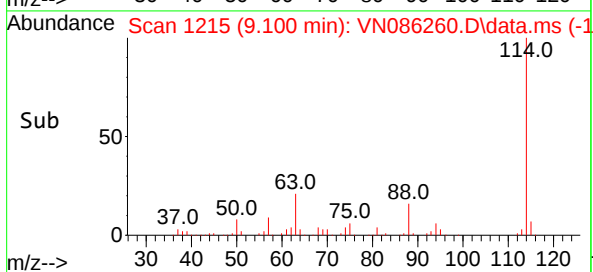
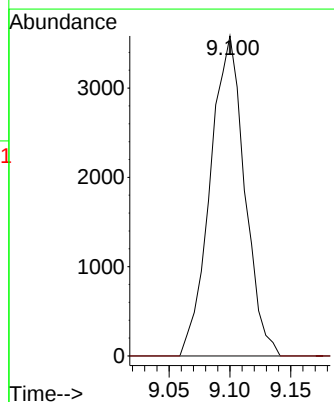
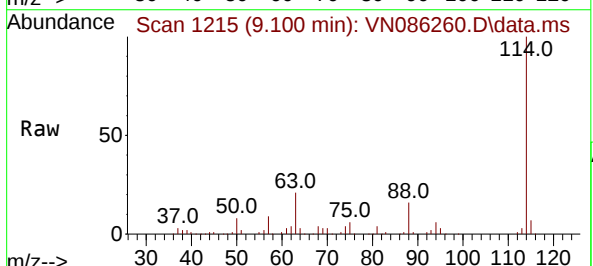
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBL01

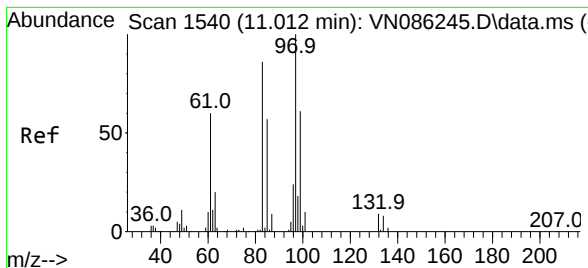
Tgt Ion:114 Resp: 208636
 Ion Ratio Lower Upper
 114 100
 63 21.7 17.8 26.6
 88 16.1 13.4 20.2



#36
 1,2-Dichloroethane
 Concen: 1.896 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.429 min
 Lab File: VN086260.D
 Acq: 14 Apr 2025 11:27

Tgt Ion: 62 Resp: 7054
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.6 12.8

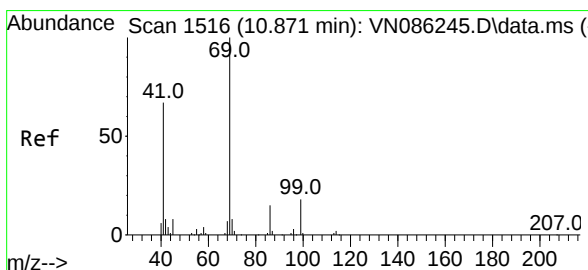
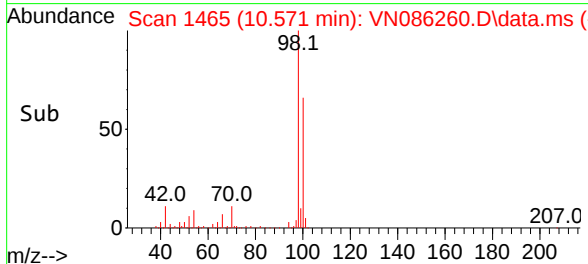
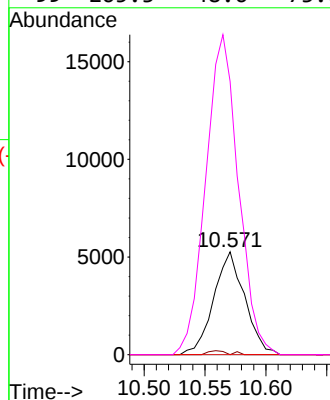
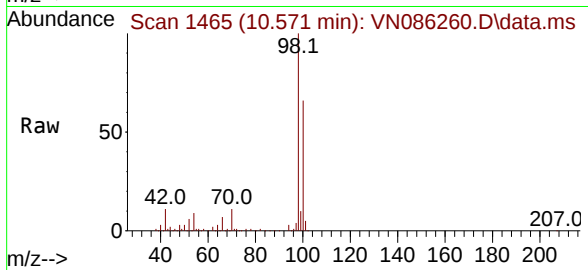




#50
1,1,2-Trichloroethane
Concen: 3.500 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.441 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

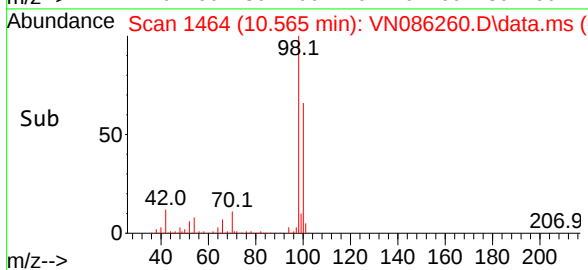
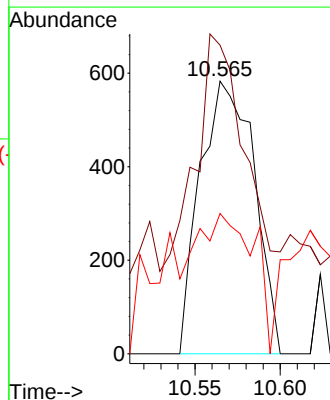
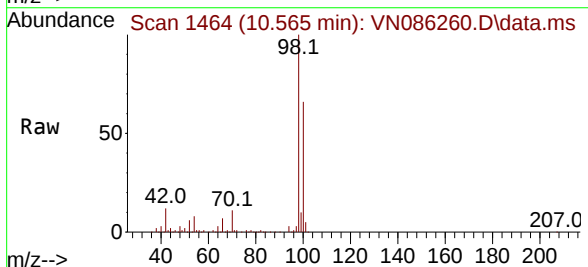
Instrument :
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ClientSampleId :
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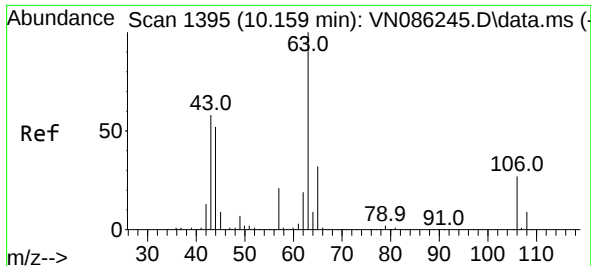
Tgt Ion:	97	Resp:	9381
Ion	Ratio	Lower	Upper
97	100		
83	0.0	68.6	103.0#
85	0.0	45.9	68.9#
99	265.3	48.6	73.0#



#51
Ethyl methacrylate
Concen: 0.258 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.306 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

Tgt Ion:	69	Resp:	1286
Ion	Ratio	Lower	Upper
69	100		
41	75.8	33.6	100.6
39	24.0	17.8	53.4

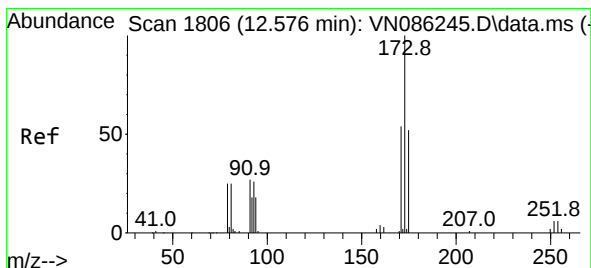
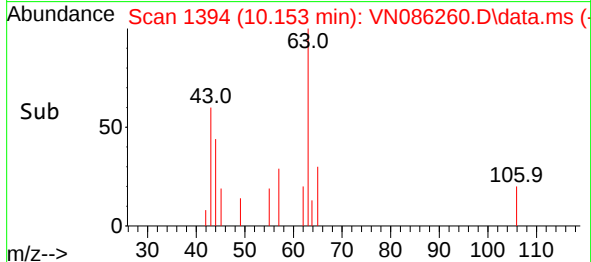
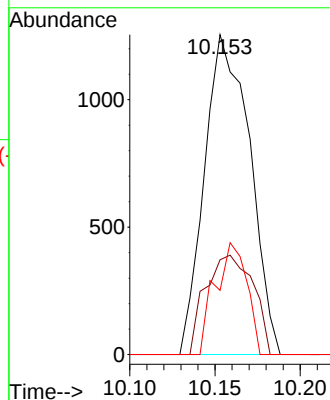
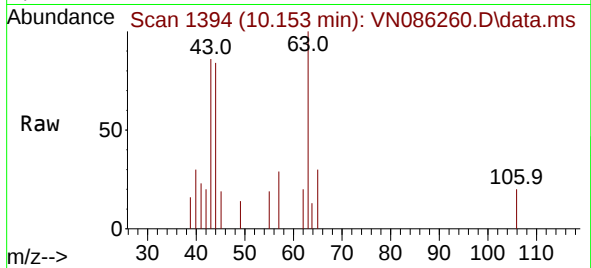




#55
2-Chloroethyl vinyl ether
Concen: 1.232 ug/l
RT: 10.153 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

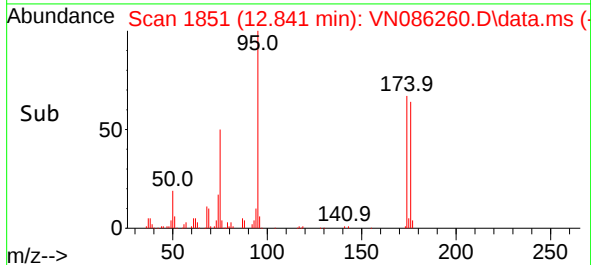
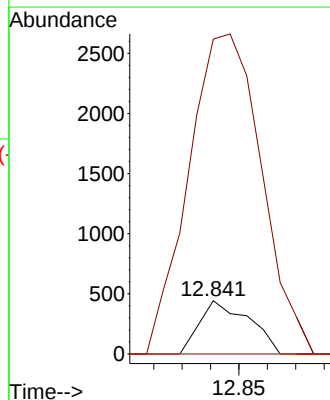
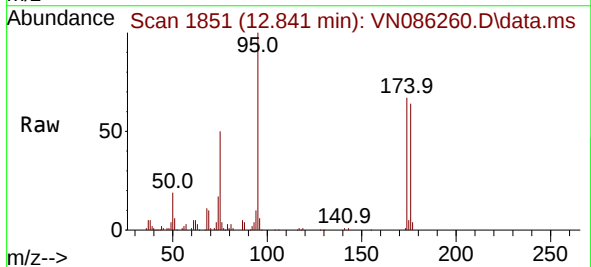
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ClientSampleId :
VN0414WBL01

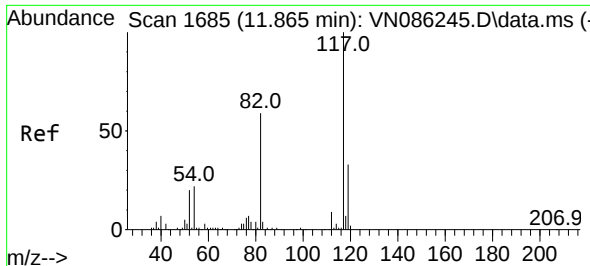
Tgt Ion: 63	Resp:	2319	
Ion	Ratio	Lower	Upper
63	100		
65	32.7	25.8	38.8
106	24.5	21.8	32.8



#56
Bromoform
Concen: 0.279 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

Tgt Ion:173	Resp:	536	
Ion	Ratio	Lower	Upper
173	100		
175	886.8	38.2	57.4#
254	0.0	4.5	6.7#

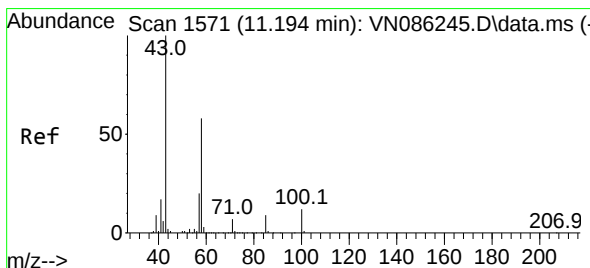
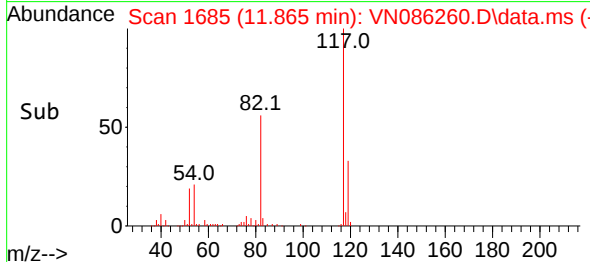
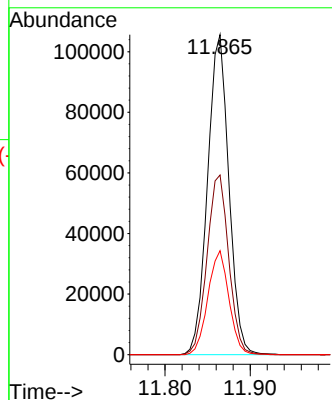
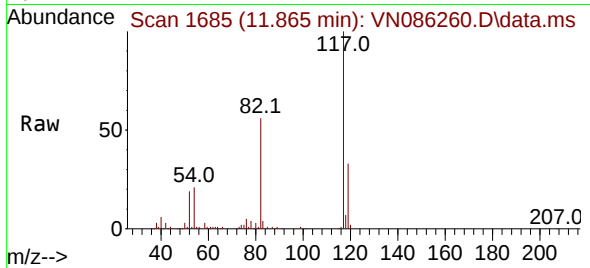




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

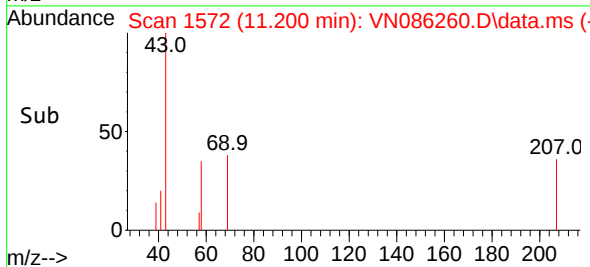
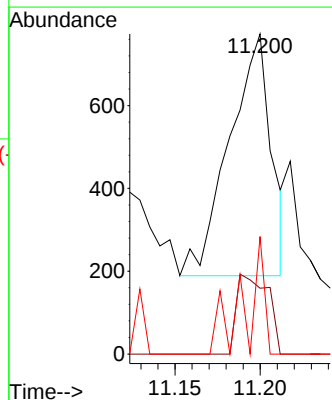
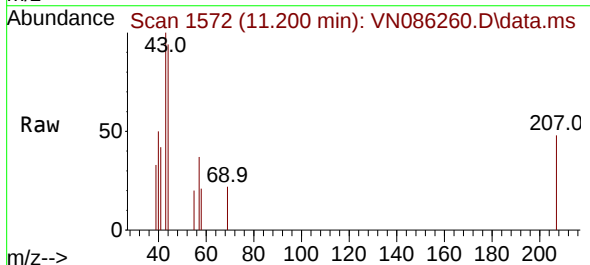
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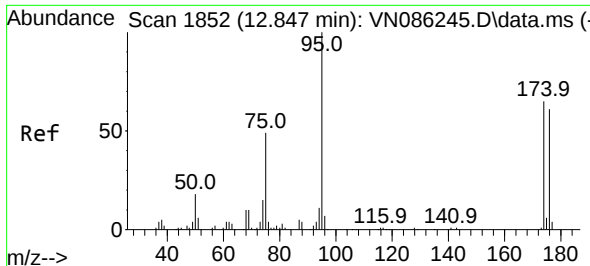
Tgt Ion:117 Resp: 183354
Ion Ratio Lower Upper
117 100
82 57.3 47.3 70.9
119 32.1 25.9 38.9



#59
2-Hexanone
Concen: 0.321 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
58 0.0 45.3 67.9#
57 10.1 15.8 23.6#

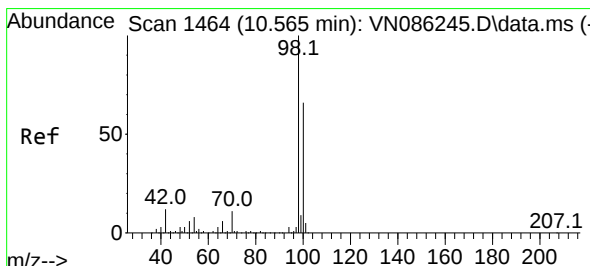
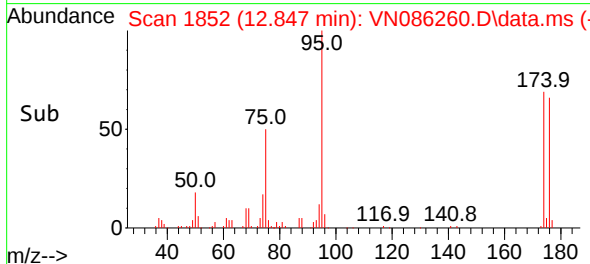
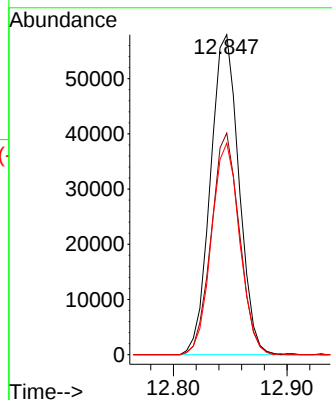
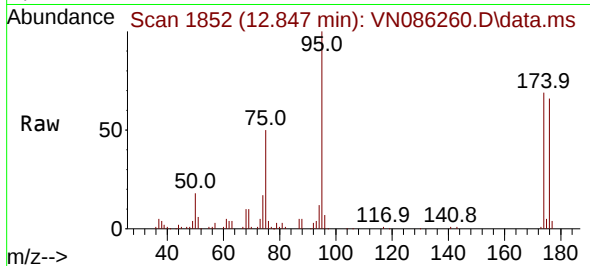




#60
4-Bromofluorobenzene
Concen: 27.630 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

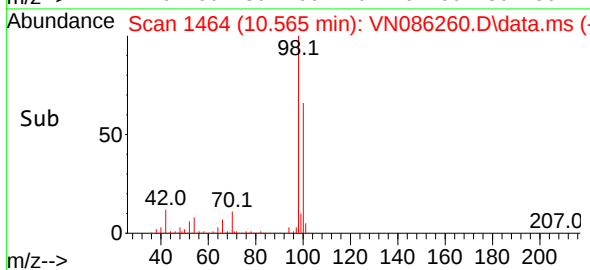
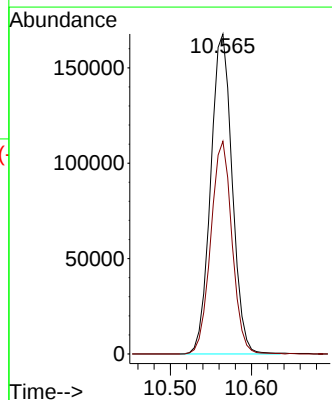
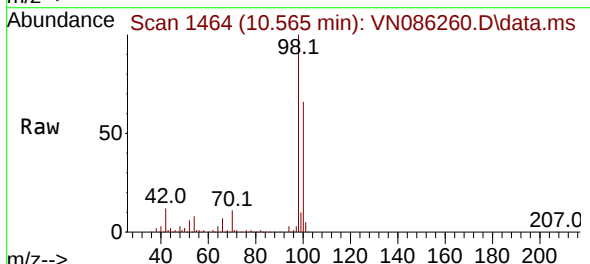
Instrument :
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VN0414WBL01

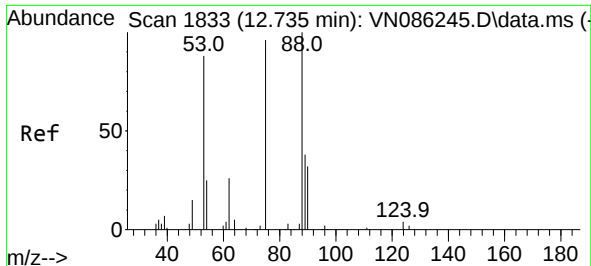
Tgt Ion: 95 Resp: 100864
Ion Ratio Lower Upper
95 100
174 68.4 52.7 79.1
176 65.5 49.8 74.8



#63
Toluene-d8
Concen: 29.778 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

Tgt Ion: 98 Resp: 308243
Ion Ratio Lower Upper
98 100
100 65.6 52.3 78.5

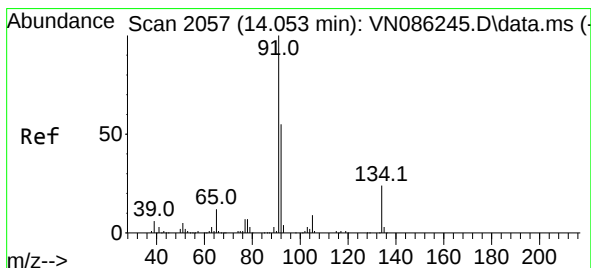
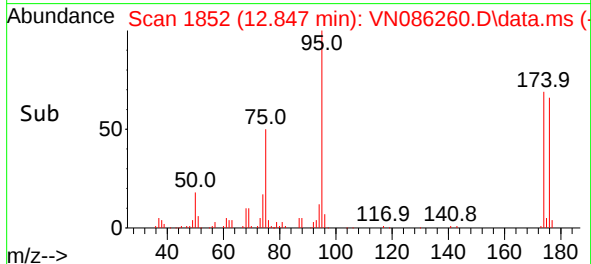
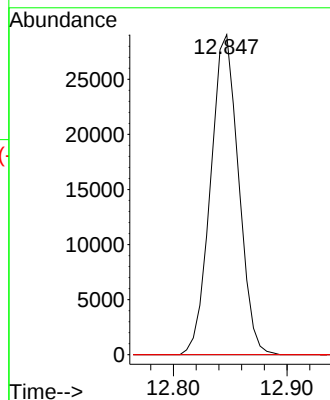
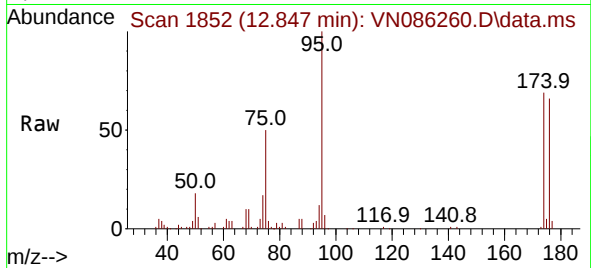




#77
t-1,4-Dichloro-2-butene
Concen: 29.593 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

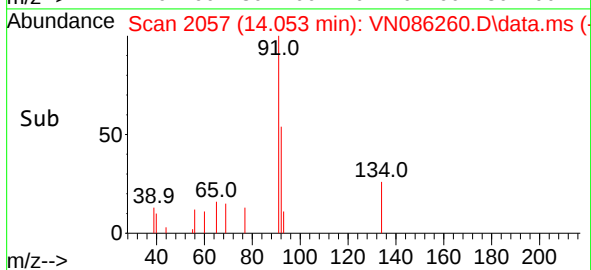
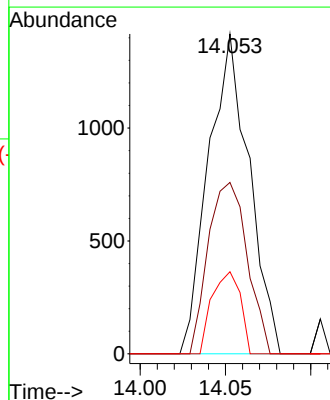
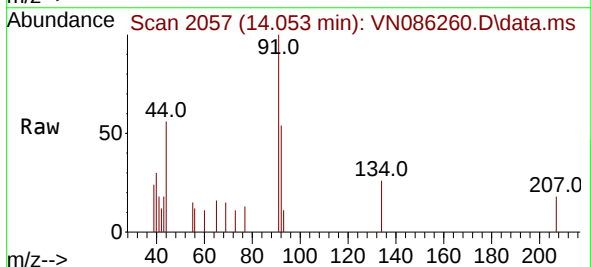
Instrument :
MSVOA_N
ClientSampleId :
VN0414WBL01

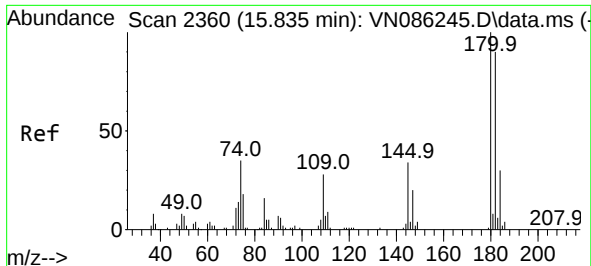
Tgt Ion: 75 Resp: 49724
Ion Ratio Lower Upper
75 100
53 0.0 46.4 139.2#
89 0.0 22.5 67.5#



#85
n-Butylbenzene
Concen: 0.256 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

Tgt Ion: 91 Resp: 2348
Ion Ratio Lower Upper
91 100
92 51.6 0.0 109.4
134 17.9 0.0 48.2

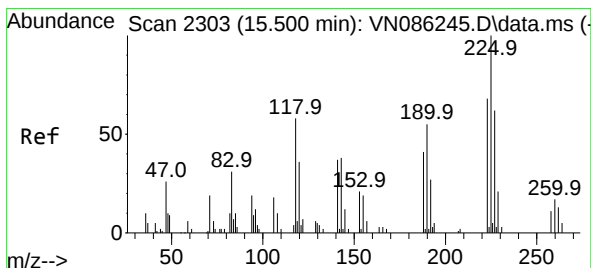
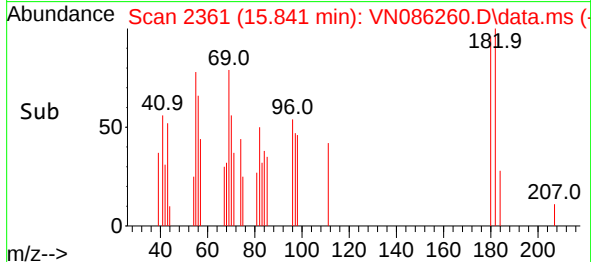
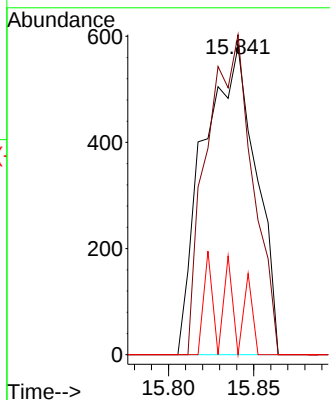
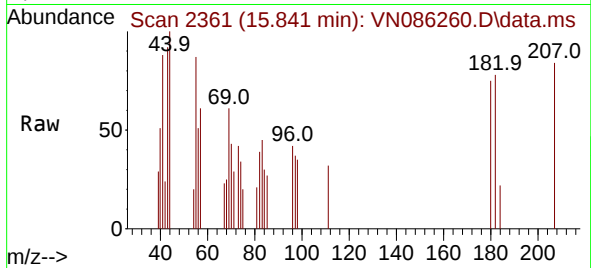




#89
 1,2,4-Trichlorobenzene
 Concen: 0.512 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN086260.D
 Acq: 14 Apr 2025 11:27

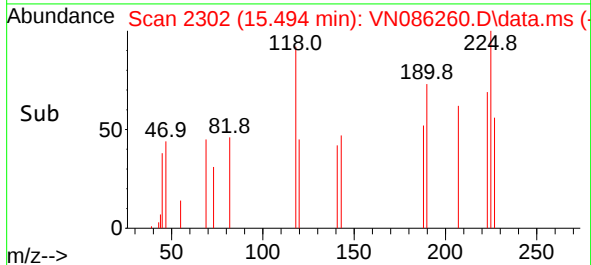
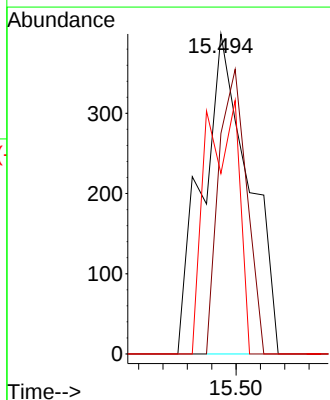
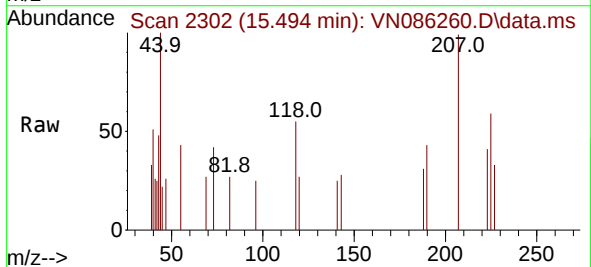
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBL01

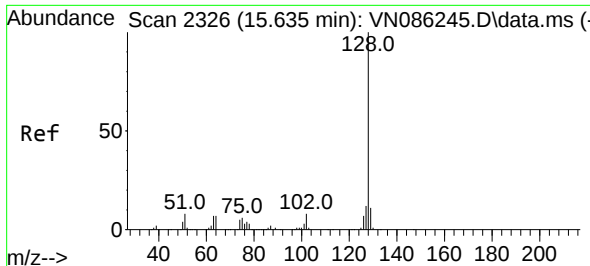
Tgt Ion:180 Resp: 1246
 Ion Ratio Lower Upper
 180 100
 182 90.0 75.1 112.7
 145 4.3 27.1 40.7#



#90
 Hexachlorobutadiene
 Concen: 0.503 ug/l
 RT: 15.494 min Scan# 2302
 Delta R.T. -0.006 min
 Lab File: VN086260.D
 Acq: 14 Apr 2025 11:27

Tgt Ion:225 Resp: 528
 Ion Ratio Lower Upper
 225 100
 223 53.6 0.0 130.0
 227 56.4 0.0 123.2

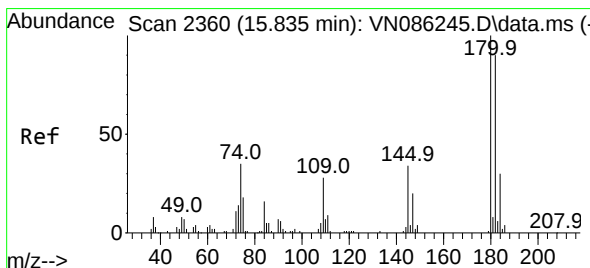
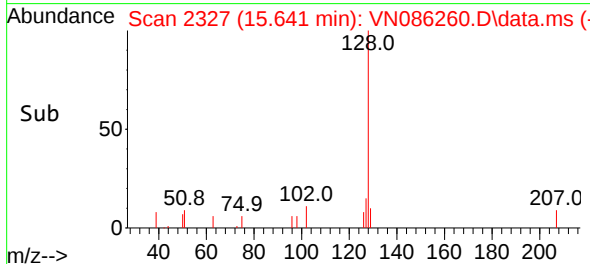
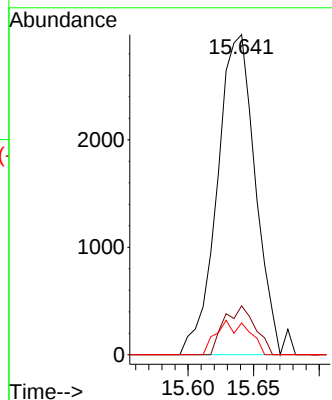
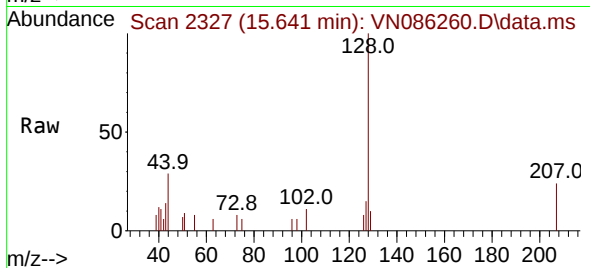




#91
Naphthalene
Concen: 0.624 ug/l
RT: 15.641 min Scan# 2326
Delta R.T. 0.006 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBL01

Tgt Ion:128 Resp: 5990
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 5.3 8.8 13.2#



#92
1,2,3-Trichlorobenzene
Concen: 0.512 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN086260.D
Acq: 14 Apr 2025 11:27

Tgt Ion:180 Resp: 1246
Ion Ratio Lower Upper
180 100
182 90.0 0.0 187.8
145 4.3 0.0 67.8

