

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086791.D
 Acq On : 28 May 2025 11:35
 Operator : JC\MD
 Sample : VN0528MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBL01

Quant Time: May 29 03:55:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	163194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	317720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117754	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	106980	47.440	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.880%
35) Dibromofluoromethane	8.165	113	88934	47.001	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.000%
50) Toluene-d8	10.565	98	404871	51.634	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.260%
62) 4-Bromofluorobenzene	12.847	95	138823	50.140	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.280%

Target Compounds					Qvalue	
3) Chloromethane	2.365	50	1796	0.674	ug/l	89
4) Vinyl Chloride	2.518	62	55	0.023	ug/l #	41
5) Bromomethane	2.977	94	1013	0.734	ug/l	93
10) Methyl Iodide	4.595	142	1263	0.593	ug/l #	90
12) 1,1-Dichloroethene	4.330	96	73	0.040	ug/l #	1
13) Acrolein	4.177	56	2435	5.546	ug/l	99
15) Acrylonitrile	5.718	53	797	0.784	ug/l #	41
16) Acetone	4.436	43	914	1.084	ug/l	92
17) Carbon Disulfide	4.712	76	2914	0.578	ug/l #	75
18) Methyl Acetate	5.030	43	2654	1.124	ug/l #	64
19) Methyl tert-butyl Ether	5.795	73	170	0.027	ug/l #	54
20) Methylene Chloride	5.247	84	70	0.031	ug/l #	10
21) trans-1,2-Dichloroethene	5.789	96	364	0.189	ug/l #	9
23) Vinyl Acetate	6.618	43	53	0.011	ug/l #	69
24) 1,1-Dichloroethane	6.559	63	55	0.015	ug/l #	82
25) 2-Butanone	7.489	43	599	0.460	ug/l #	61
27) cis-1,2-Dichloroethene	7.483	96	151	0.064	ug/l	41
29) Tetrahydrofuran	7.841	42	299	0.351	ug/l #	45
30) Chloroform	7.953	83	167	0.046	ug/l #	19
31) Cyclohexane	8.218	56	3038	0.898	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	12840	4.600	ug/l #	50
37) Ethyl Acetate	7.489	43	599	0.212	ug/l #	84
38) Carbon Tetrachloride	8.224	117	16364	5.951	ug/l #	15
39) Methylcyclohexane	9.594	83	53	0.018	ug/l #	19
40) Benzene	8.600	78	1196	0.131	ug/l #	51
41) Methacrylonitrile	7.853	41	144	0.095	ug/l #	40
42) 1,2-Dichloroethane	8.665	62	215	0.076	ug/l #	74
43) Isopropyl Acetate	8.700	43	746	0.132	ug/l #	54
44) Trichloroethene	9.347	130	229	0.104	ug/l	67
51) 4-Methyl-2-Pentanone	10.441	43	746	0.262	ug/l #	79
52) Toluene	10.635	92	682	0.121	ug/l	90
53) t-1,3-Dichloropropene	10.829	75	134	0.042	ug/l #	21
54) cis-1,3-Dichloropropene	10.318	75	94	0.027	ug/l #	37
55) 1,1,2-Trichloroethane	11.012	97	65	0.031	ug/l #	14
57) 1,3-Dichloropropane	11.165	76	55	0.015	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.165	63	58	0.038	ug/l #	46

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 ALS Vial : 3 Sample Multiplier: 1

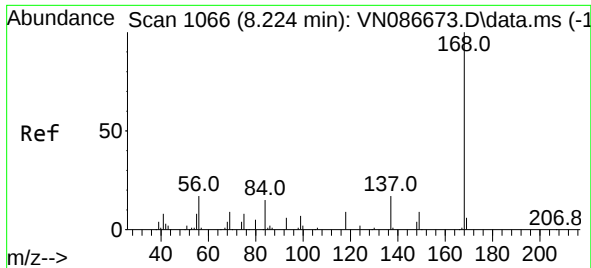
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 MSVOA_N
 ClientSampleId :
 VN0528MBL01

Quant Time: May 29 03:55:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

59) 2-Hexanone	11.200	43	1650	0.793	ug/l	87
60) Dibromochloromethane	11.106	129	148	0.067	ug/l #	10
64) Tetrachloroethene	11.106	164	109	0.047	ug/l #	57
65) Chlorobenzene	11.894	112	1190	0.180	ug/l #	78
67) Ethyl Benzene	11.959	91	1042	0.092	ug/l #	77
68) m/p-Xylenes	12.076	106	1117	0.261	ug/l	94
69) o-Xylene	12.394	106	328	0.077	ug/l	78
70) Styrene	12.418	104	1068	0.153	ug/l #	81
71) Bromoform	12.576	173	127	0.084	ug/l #	30
73) Isopropylbenzene	12.688	105	779	0.086	ug/l #	68
74) N-amyl acetate	12.494	43	563	0.148	ug/l #	56
76) 1,2,3-Trichloropropane	12.847	75	65420	24.565	ug/l #	1
77) Bromobenzene	12.976	156	559	0.244	ug/l	89
78) n-propylbenzene	13.035	91	1875	0.180	ug/l	93
79) 2-Chlorotoluene	13.123	91	1093	0.161	ug/l	96
80) 1,3,5-Trimethylbenzene	13.165	105	661	0.091	ug/l	69
81) trans-1,4-Dichloro-2-b...	12.847	75	65420	61.994	ug/l #	15
82) 4-Chlorotoluene	13.218	91	1801	0.268	ug/l	80
83) tert-Butylbenzene	13.435	119	1242	0.195	ug/l #	84
84) 1,2,4-Trimethylbenzene	13.470	105	991	0.137	ug/l	78
85) sec-Butylbenzene	13.612	105	3167	0.372	ug/l	88
86) p-Isopropyltoluene	13.729	119	2293	0.328	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	1438	0.363	ug/l	92
88) 1,4-Dichlorobenzene	13.729	146	1438	0.366	ug/l	93
89) n-Butylbenzene	14.053	91	4068	0.703	ug/l	98
90) Hexachloroethane	14.329	117	267	0.230	ug/l #	18
91) 1,2-Dichlorobenzene	14.106	146	1477	0.392	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	2283	1.435	ug/l	92
94) Hexachlorobutadiene	15.494	225	939	1.423	ug/l	87
95) Naphthalene	15.635	128	12568	2.276	ug/l	98
96) 1,2,3-Trichlorobenzene	15.835	180	2391	1.535	ug/l	91

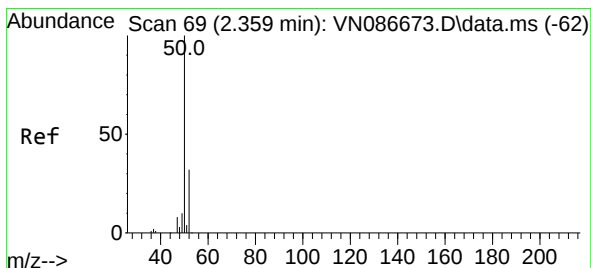
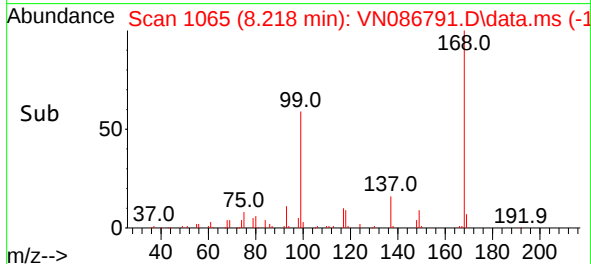
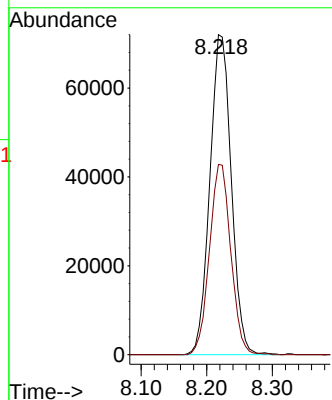
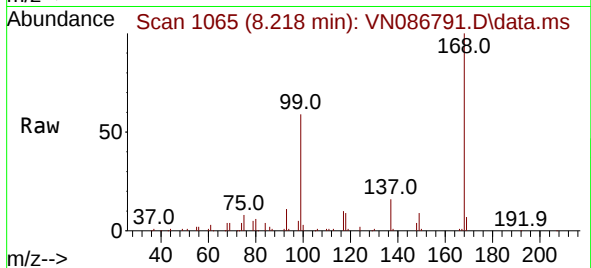
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

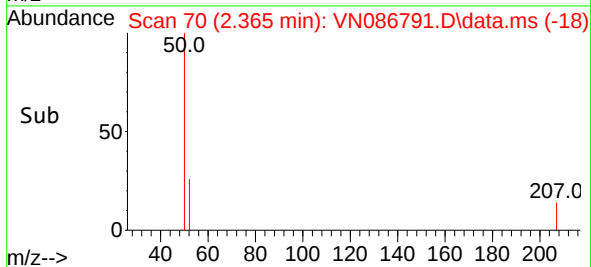
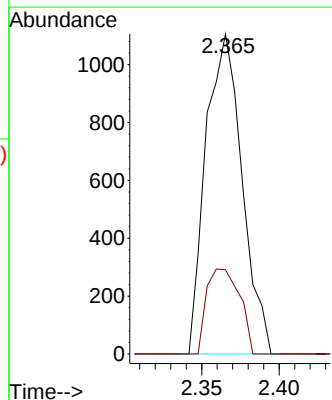
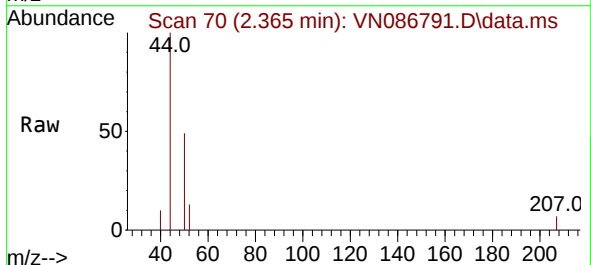
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

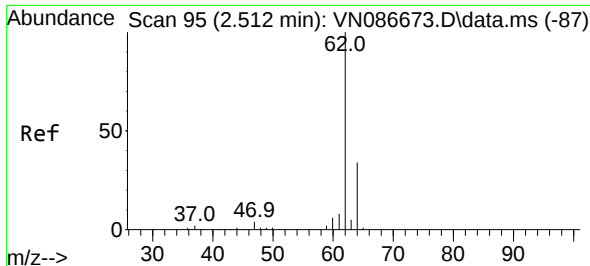
Tgt Ion:168 Resp: 163194
Ion Ratio Lower Upper
168 100
99 59.4 47.0 70.4



#3
Chloromethane
Concen: 0.674 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 50 Resp: 1796
Ion Ratio Lower Upper
50 100
52 26.3 25.9 38.9

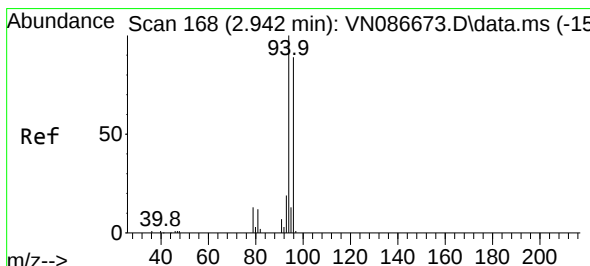
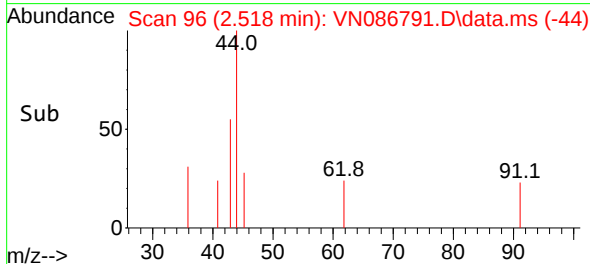
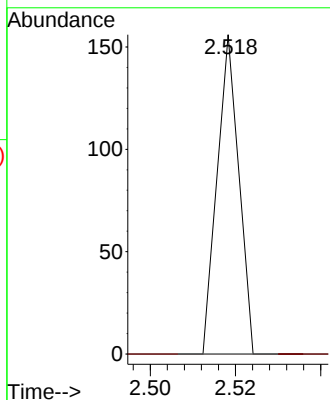
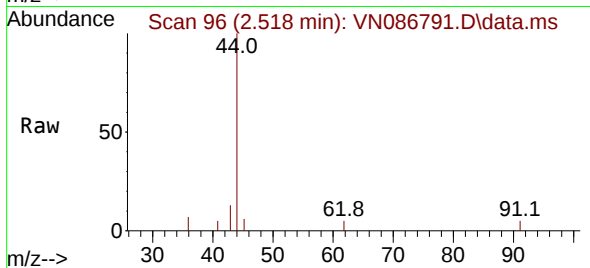




#4
 Vinyl Chloride
 Concen: 0.023 ug/l
 RT: 2.518 min Scan# 90
 Delta R.T. 0.006 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

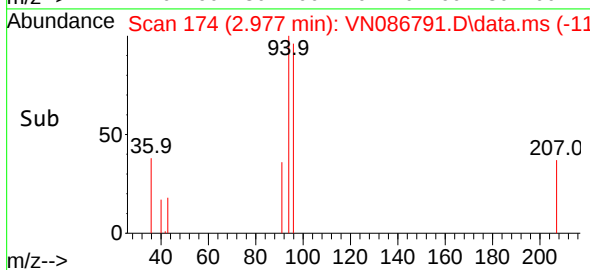
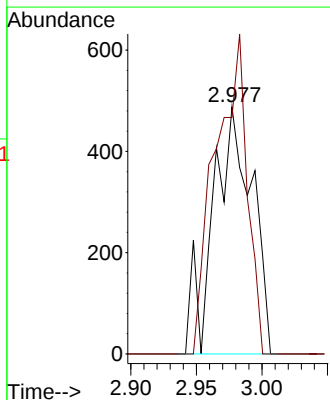
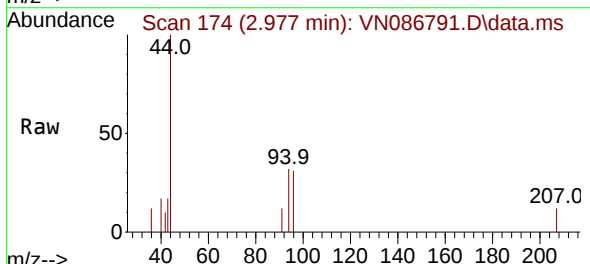
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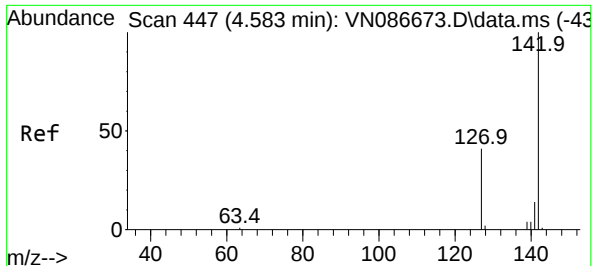
Tgt Ion: 62 Resp: 55
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.9 40.3#



#5
 Bromomethane
 Concen: 0.734 ug/l
 RT: 2.977 min Scan# 174
 Delta R.T. 0.035 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

Tgt Ion: 94 Resp: 1013
 Ion Ratio Lower Upper
 94 100
 96 95.7 71.2 106.8

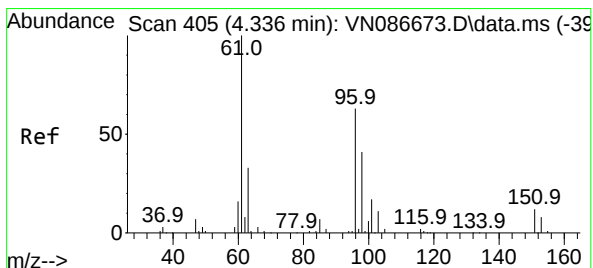
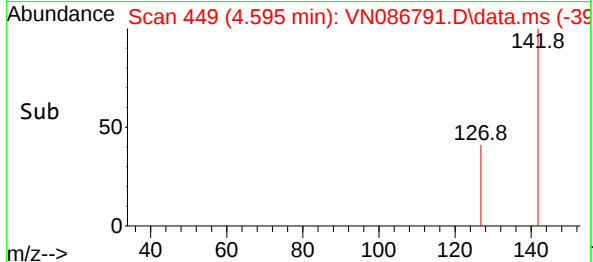
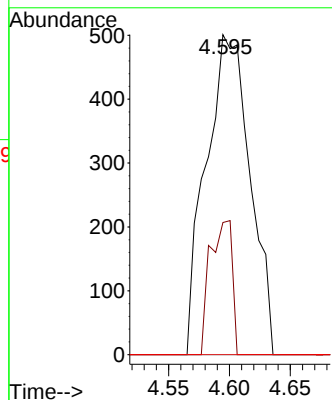
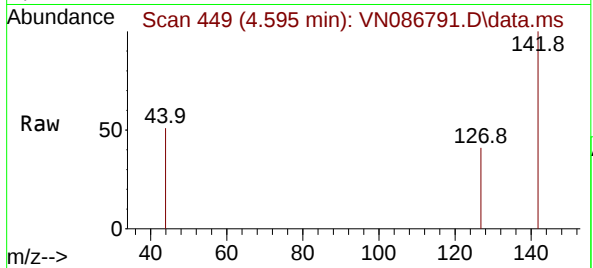




#10
Methyl Iodide
Concen: 0.593 ug/l
RT: 4.595 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

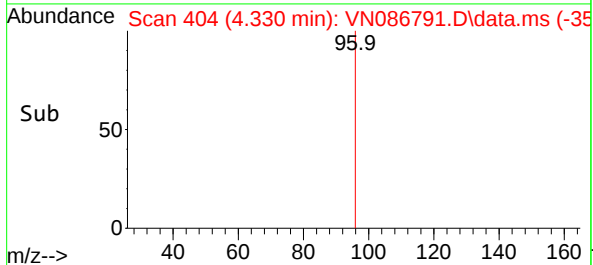
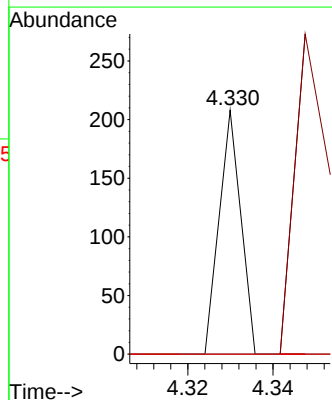
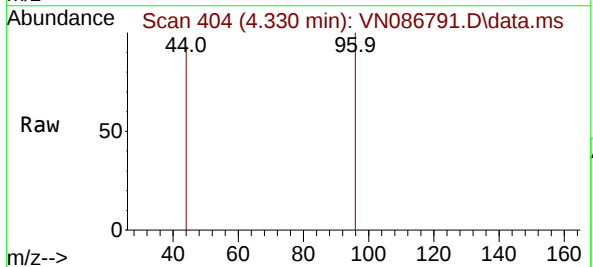
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

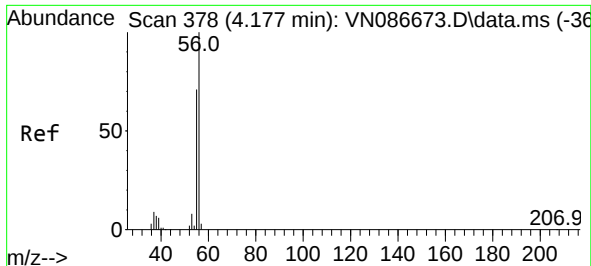
Tgt Ion:142 Resp: 1263
Ion Ratio Lower Upper
142 100
127 41.3 32.4 48.6
141 0.0 11.4 17.2#



#12
1,1-Dichloroethene
Concen: 0.040 ug/l
RT: 4.330 min Scan# 404
Delta R.T. -0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 96 Resp: 73
Ion Ratio Lower Upper
96 100
61 0.0 126.2 189.2#
98 0.0 51.5 77.3#

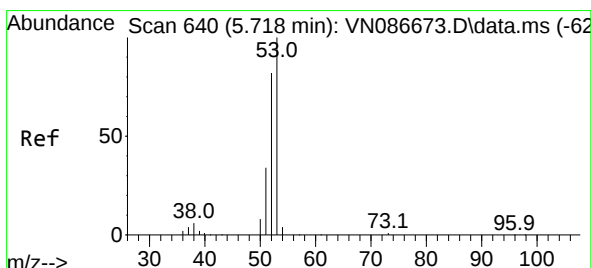
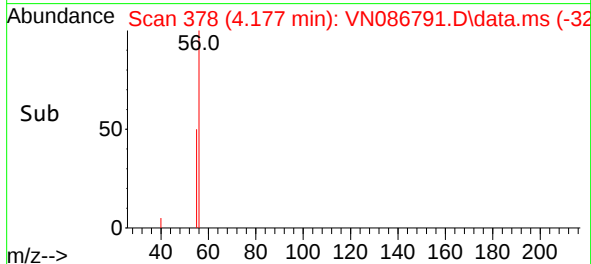
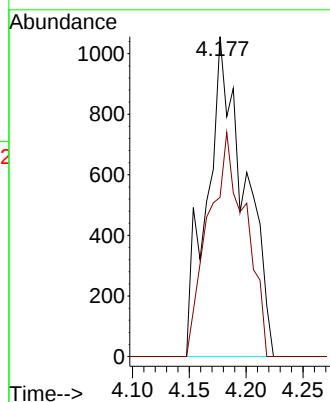
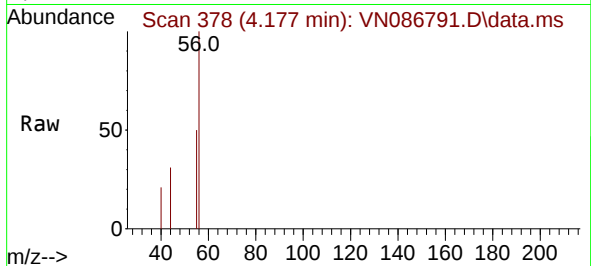




#13
Acrolein
Concen: 5.546 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

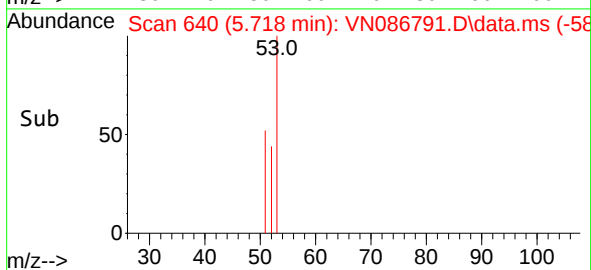
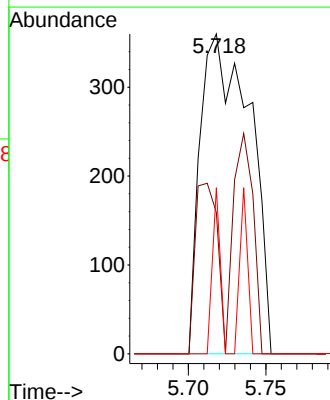
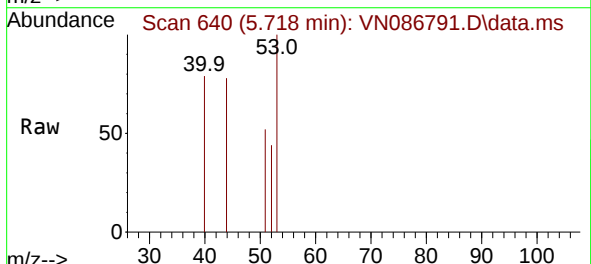
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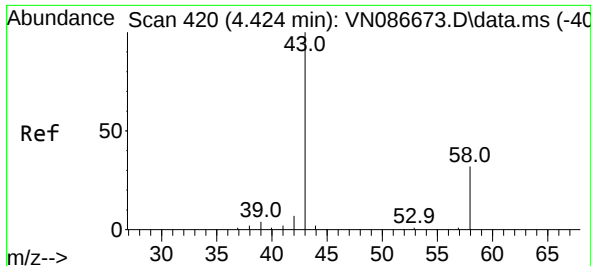
Tgt Ion: 56 Resp: 2435
Ion Ratio Lower Upper
56 100
55 68.9 55.7 83.5



#15
Acrylonitrile
Concen: 0.784 ug/l
RT: 5.718 min Scan# 640
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 53 Resp: 797
Ion Ratio Lower Upper
53 100
52 24.0 65.4 98.2#
51 8.3 27.9 41.9#

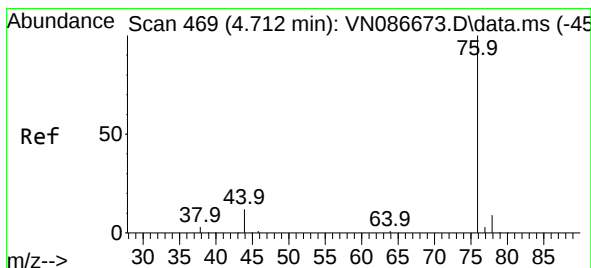
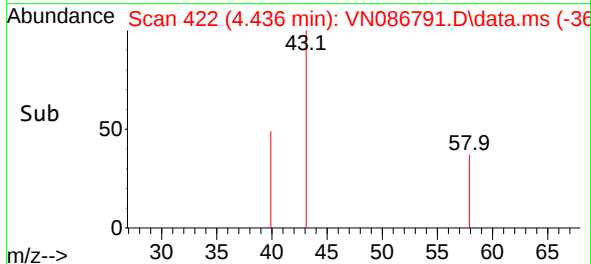
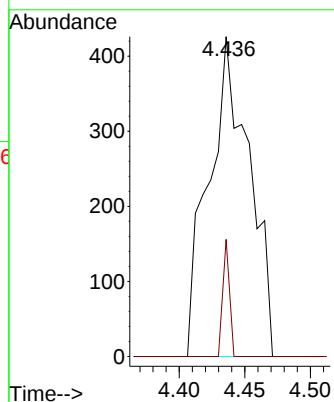
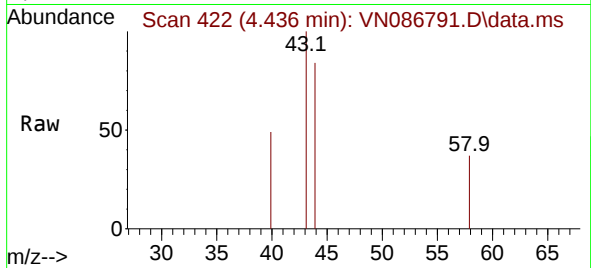




#16
Acetone
Concen: 1.084 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

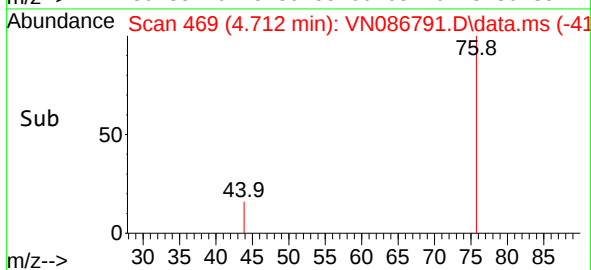
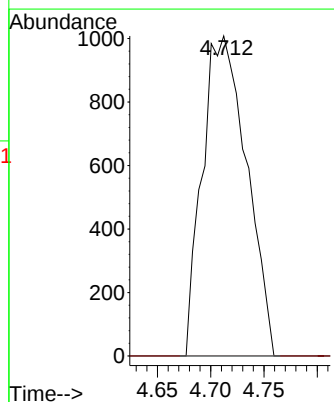
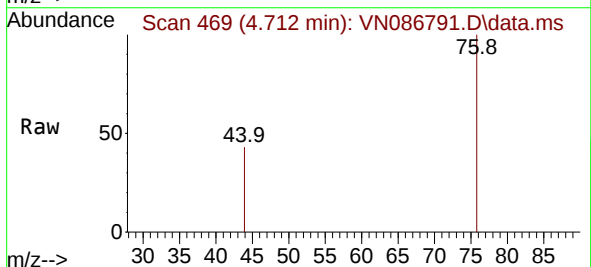
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VN0528MBL01

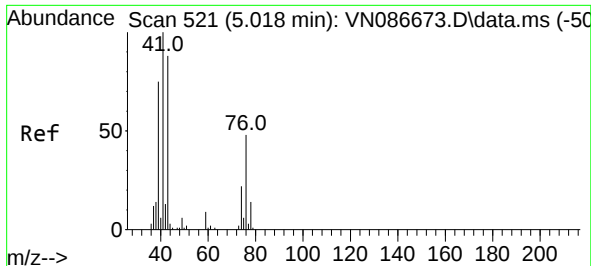
Tgt Ion: 43 Resp: 914
Ion Ratio Lower Upper
43 100
58 36.6 25.8 38.6



#17
Carbon Disulfide
Concen: 0.578 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 76 Resp: 2914
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

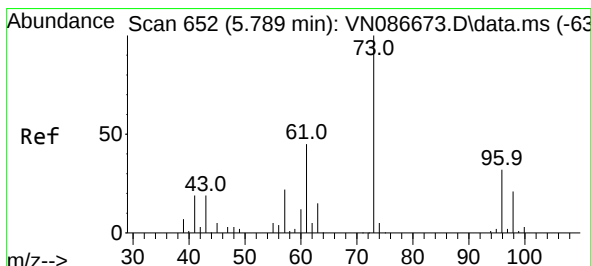
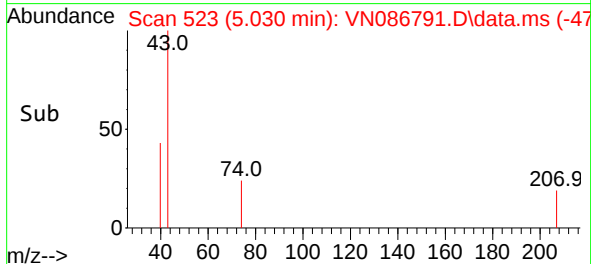
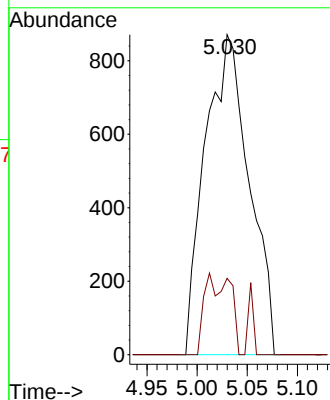
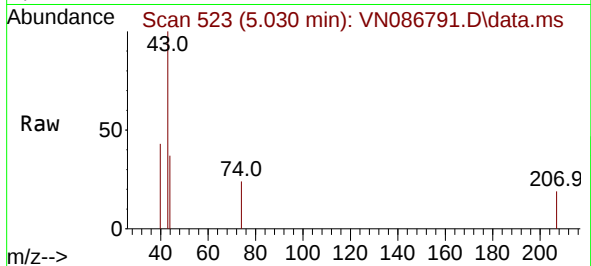




#18
Methyl Acetate
Concen: 1.124 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

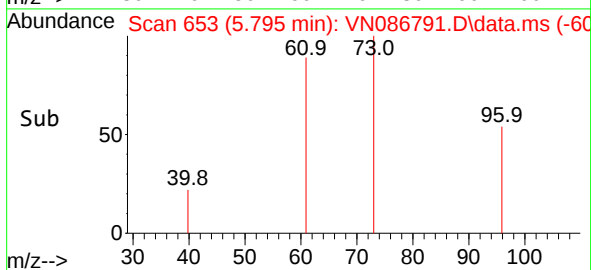
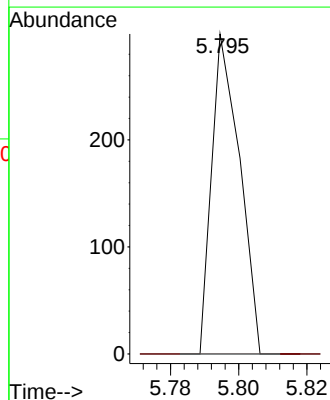
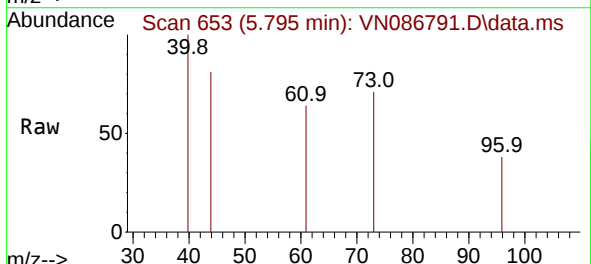
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

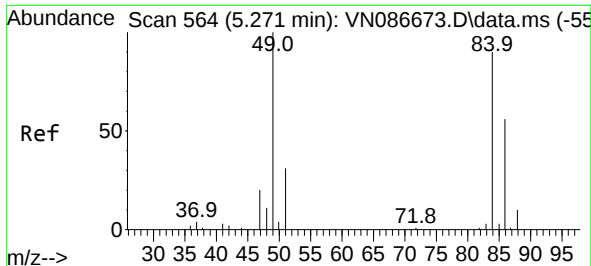
Tgt Ion: 43 Resp: 2654
Ion Ratio Lower Upper
43 100
74 7.2 20.5 30.7#



#19
Methyl tert-butyl Ether
Concen: 0.027 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 73 Resp: 170
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#

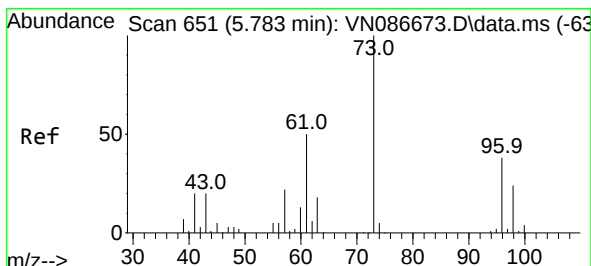
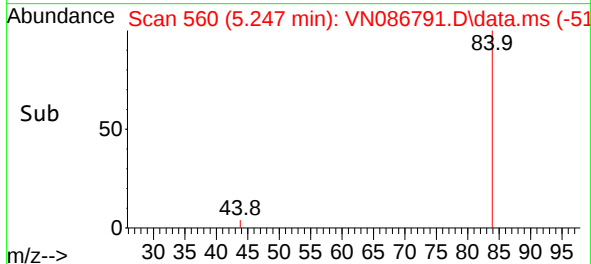
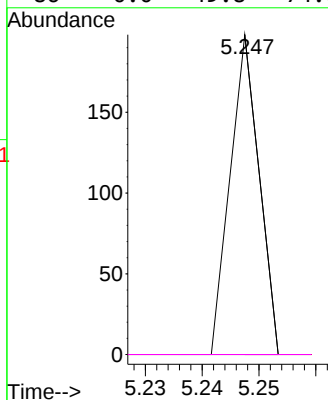
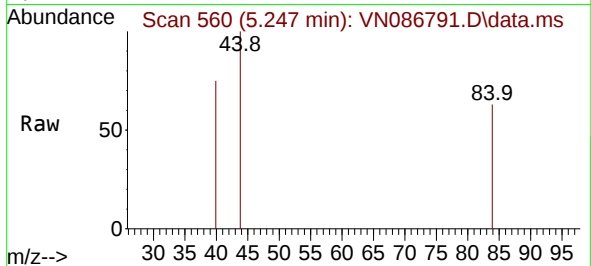




#20
Methylene Chloride
Concen: 0.031 ug/l
RT: 5.247 min Scan# 51
Delta R.T. -0.024 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

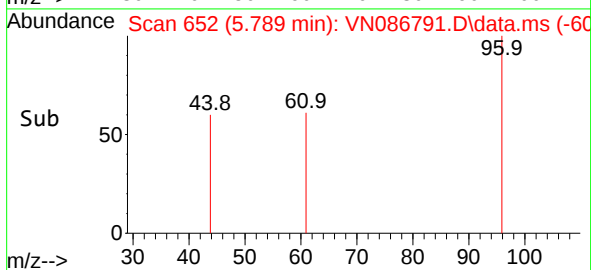
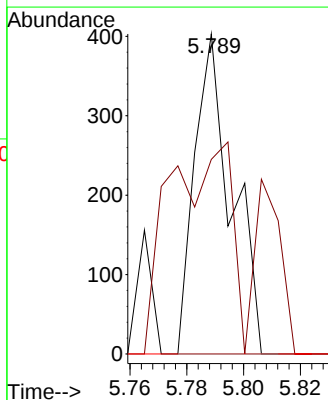
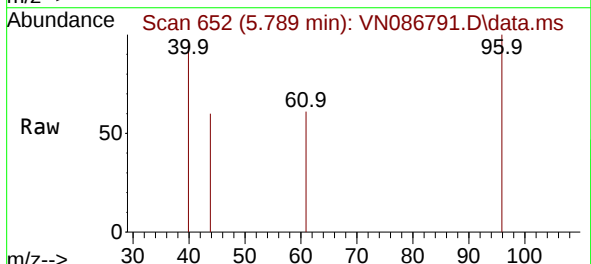
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

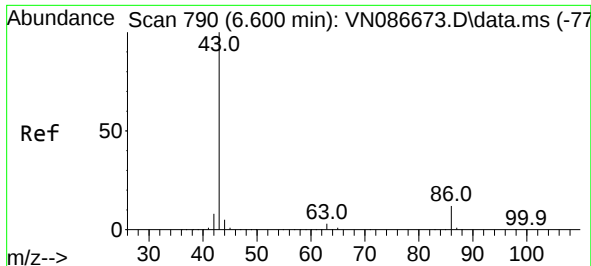
Tgt Ion: 84	Resp: 70
Ion Ratio	Lower Upper
84 100	
49 0.0	88.8 133.2#
51 0.0	27.8 41.6#
86 0.0	49.8 74.6#



#21
trans-1,2-Dichloroethene
Concen: 0.189 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 96	Resp: 364
Ion Ratio	Lower Upper
96 100	
61 19.1	105.7 158.5#
98 0.0	51.0 76.6#

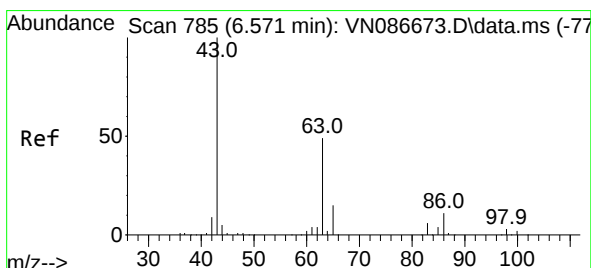
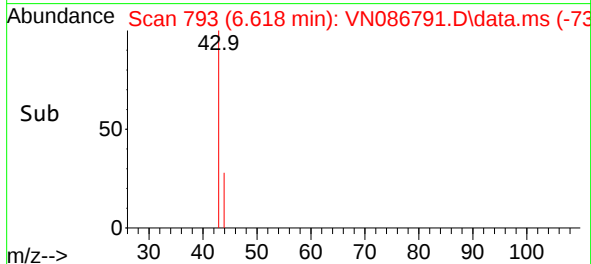
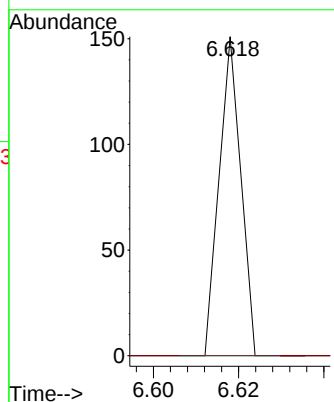
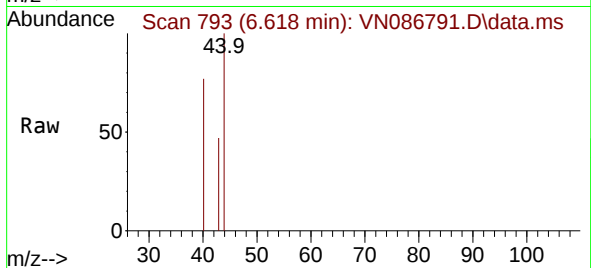




#23
 Vinyl Acetate
 Concen: 0.011 ug/l
 RT: 6.618 min Scan# 790
 Delta R.T. 0.018 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

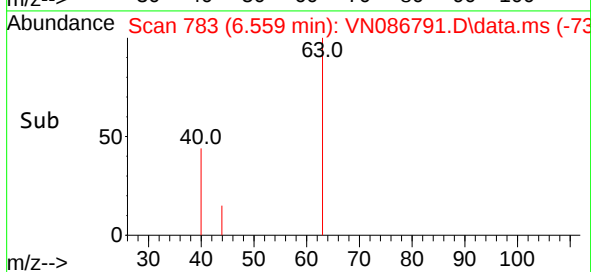
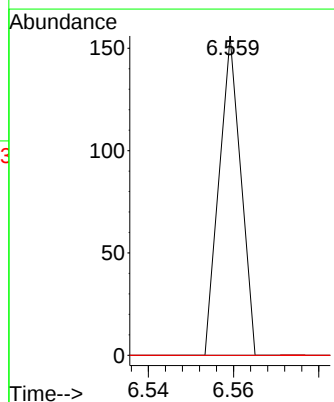
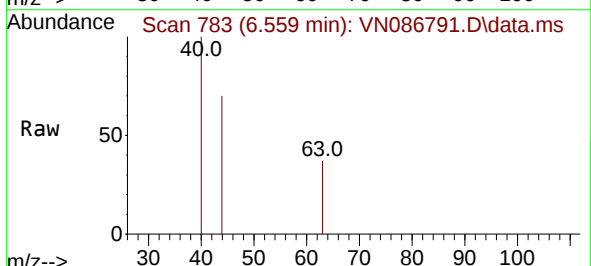
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBL01

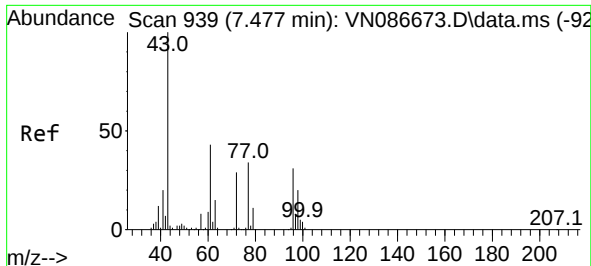
Tgt Ion: 43 Resp: 53
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.5 14.3#



#24
 1,1-Dichloroethane
 Concen: 0.015 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. -0.012 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

Tgt Ion: 63 Resp: 55
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.2#
 100 0.0 2.4 7.1#

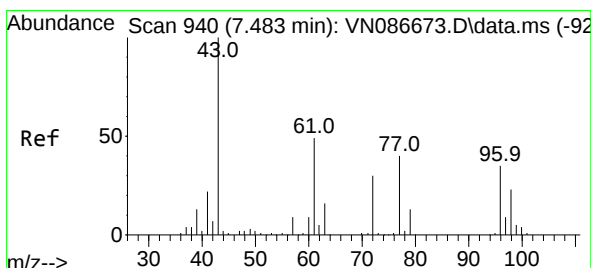
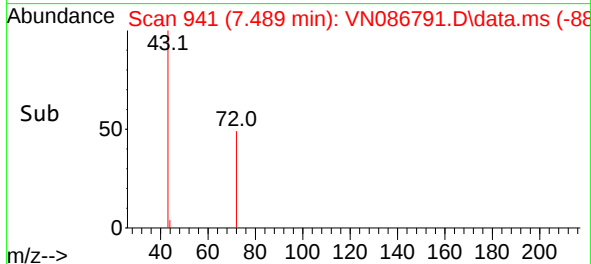
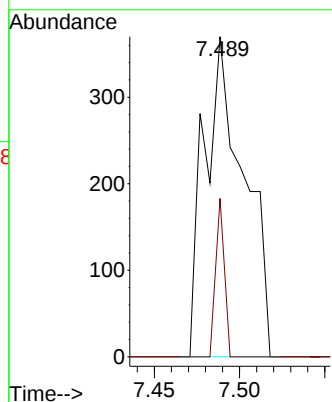
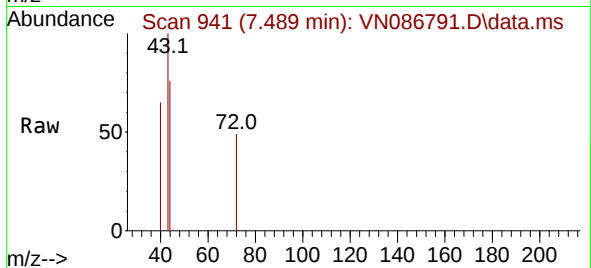




#25
2-Butanone
Concen: 0.460 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

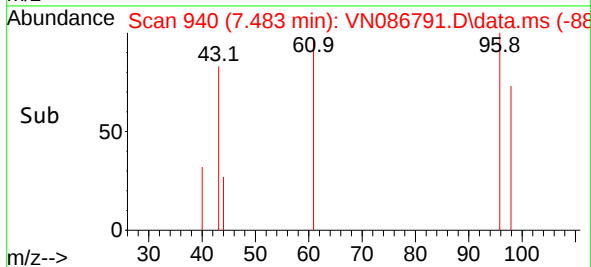
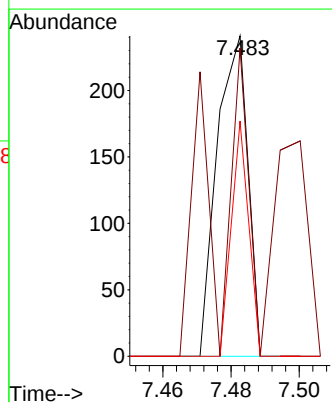
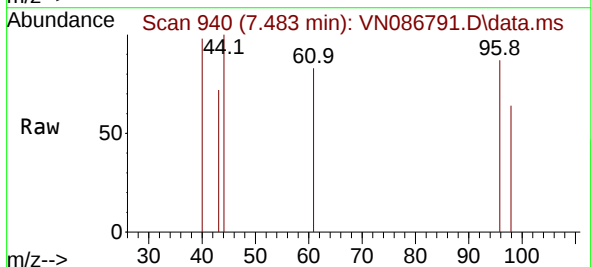
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

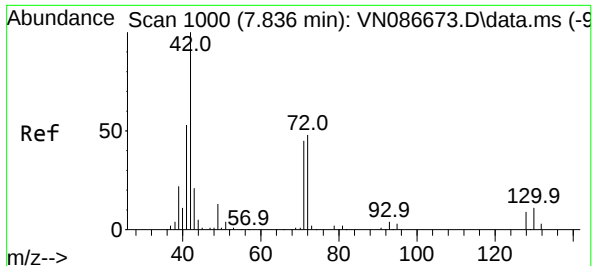
Tgt Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
72 49.5 23.1 34.7#



#27
cis-1,2-Dichloroethene
Concen: 0.064 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 96 Resp: 151
Ion Ratio Lower Upper
96 100
61 50.3 0.0 277.4
98 41.1 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.351 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBL01

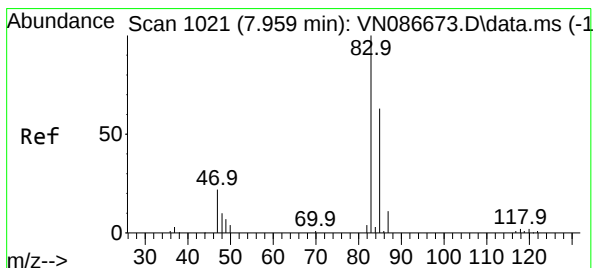
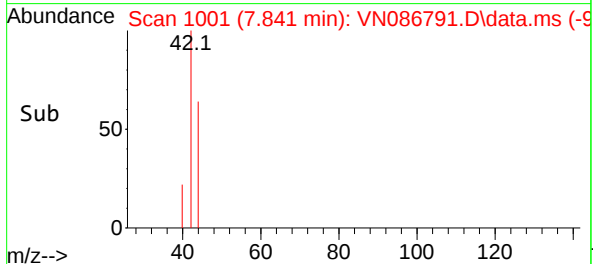
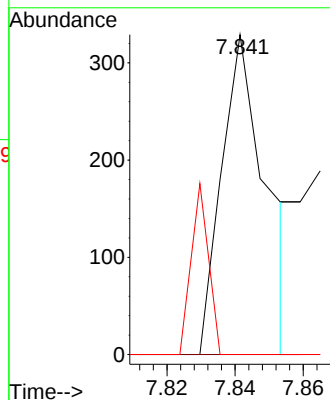
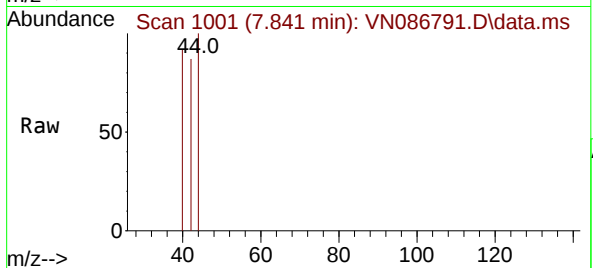
Tgt Ion: 42 Resp: 299

Ion Ratio Lower Upper

42 100

72 0.0 38.7 58.1#

71 20.7 36.2 54.4#



#30

Chloroform

Concen: 0.046 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. -0.006 min

Lab File: VN086791.D

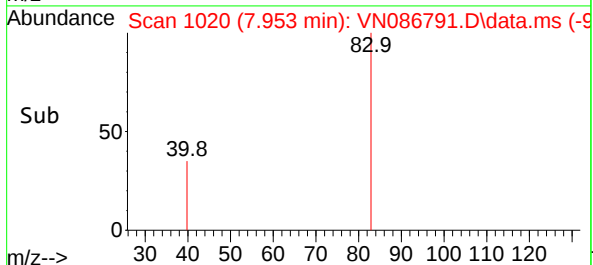
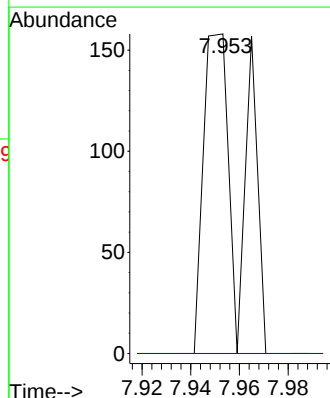
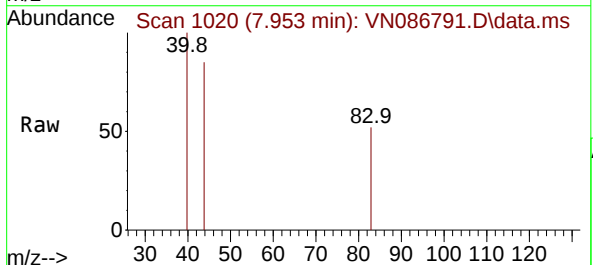
Acq: 28 May 2025 11:35

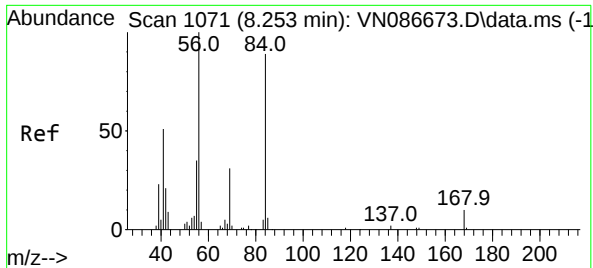
Tgt Ion: 83 Resp: 167

Ion Ratio Lower Upper

83 100

85 0.0 50.2 75.4#

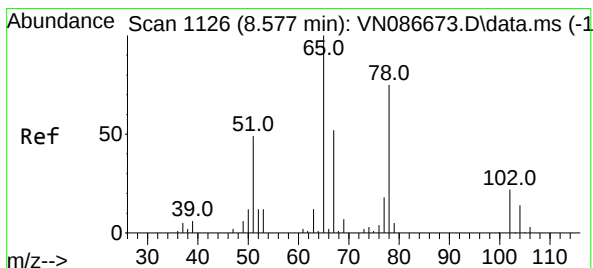
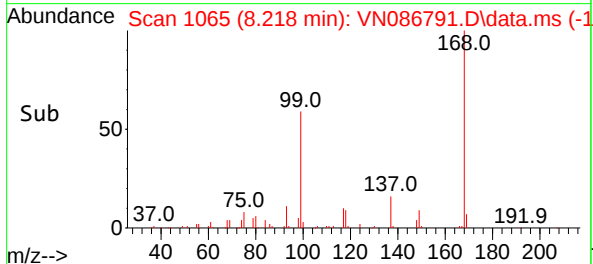
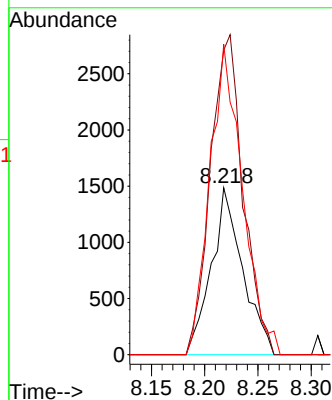
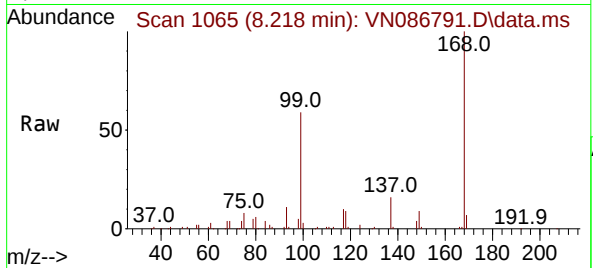




#31
Cyclohexane
Concen: 0.898 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

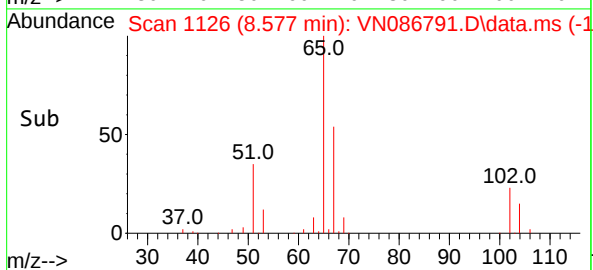
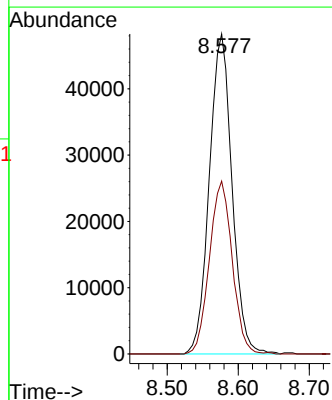
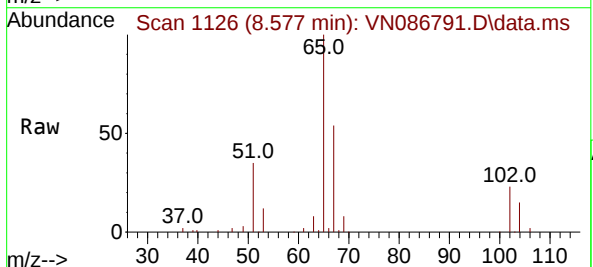
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

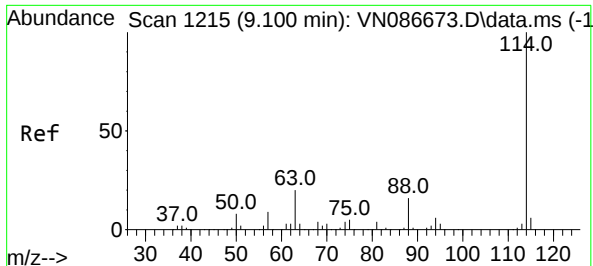
Tgt Ion: 56 Resp: 3038
Ion Ratio Lower Upper
56 100
69 182.4 25.0 37.6#
84 185.9 71.0 106.4#



#33
1,2-Dichloroethane-d4
Concen: 47.440 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 65 Resp: 106980
Ion Ratio Lower Upper
65 100
67 54.4 0.0 106.4

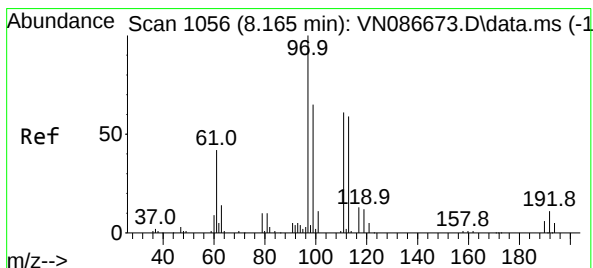
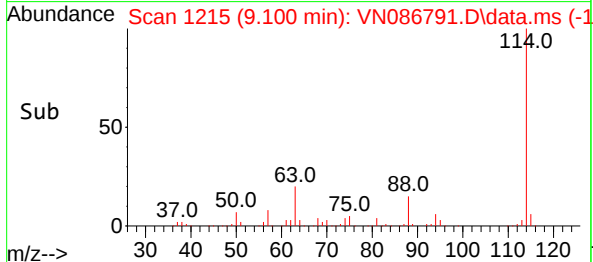
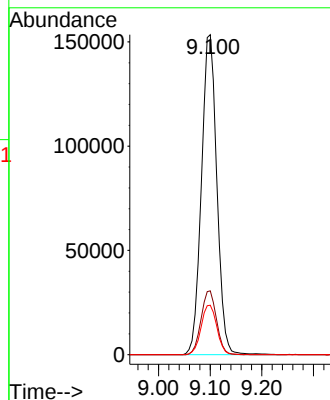
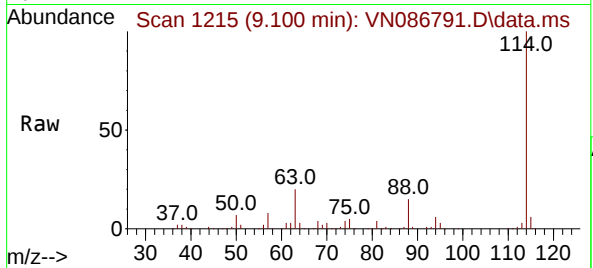




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

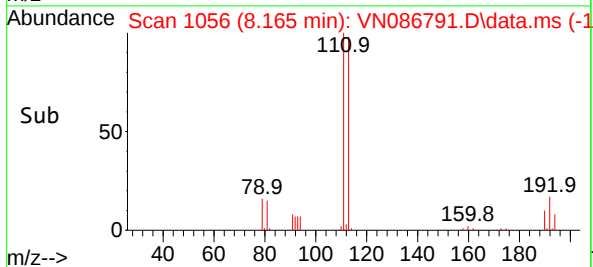
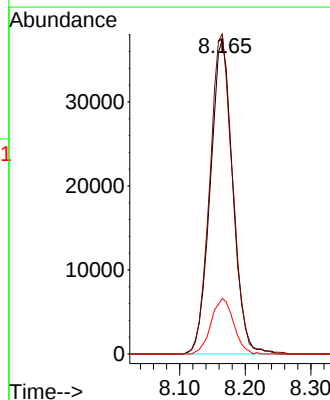
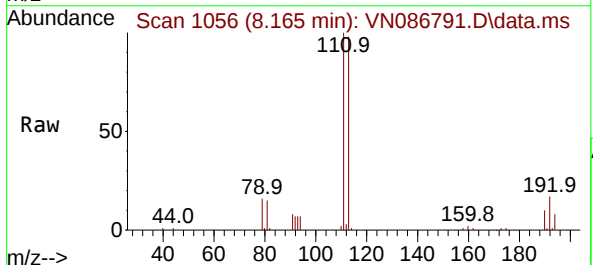
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

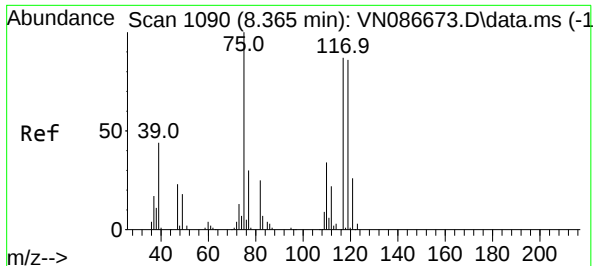
Tgt Ion:114 Resp: 317720
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.2
88 15.4 0.0 31.2



#35
Dibromofluoromethane
Concen: 47.001 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion:113 Resp: 88934
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 17.7 13.8 20.8





#36

1,1-Dichloropropene

Concen: 4.600 ug/l

RT: 8.218 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBL01

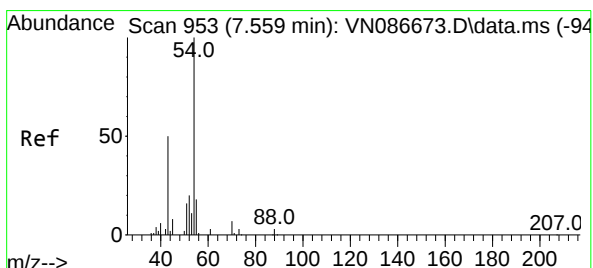
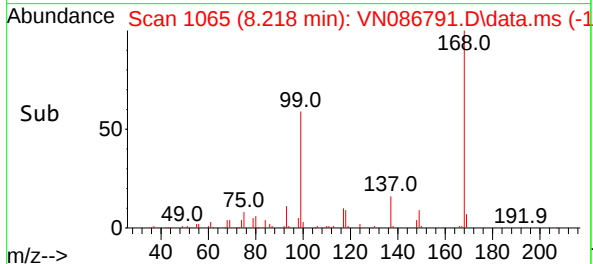
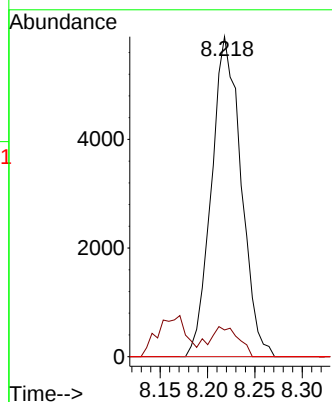
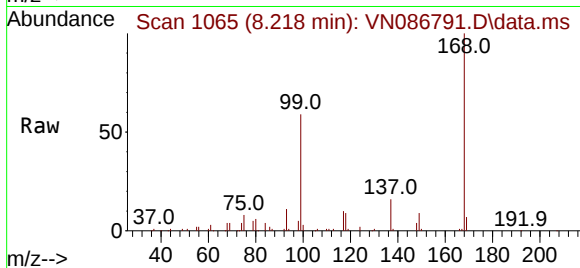
Tgt Ion: 75 Resp: 12840

Ion Ratio Lower Upper

75 100

110 9.3 17.5 52.5#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.212 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

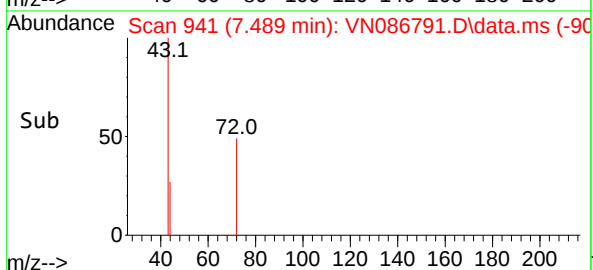
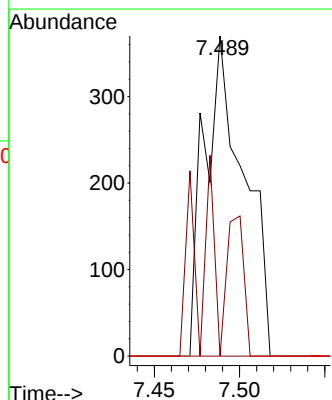
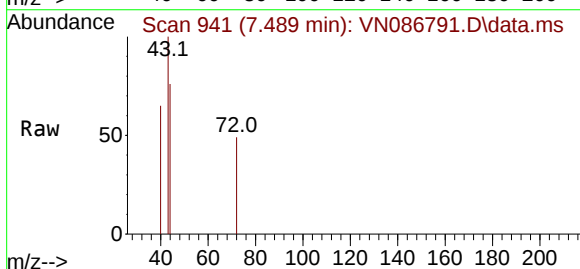
Tgt Ion: 43 Resp: 599

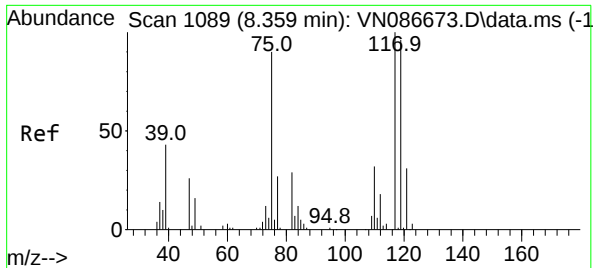
Ion Ratio Lower Upper

43 100

61 12.7 11.6 17.4

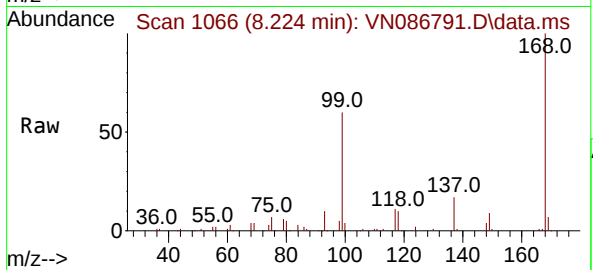
70 0.0 9.4 14.0#



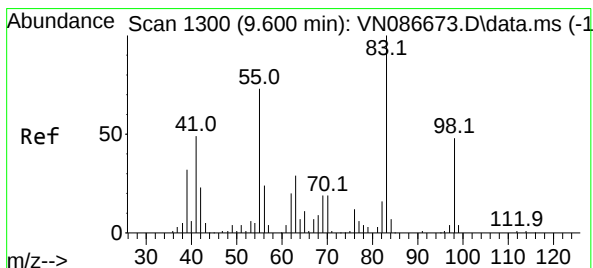
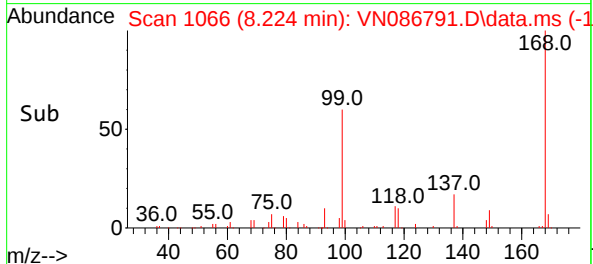
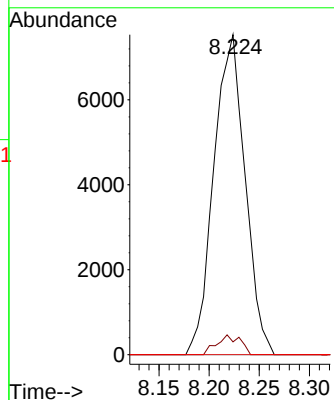


#38
Carbon Tetrachloride
Concen: 5.951 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

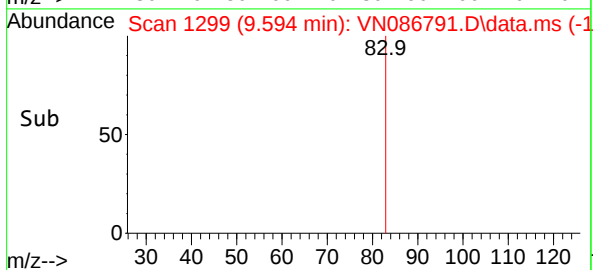
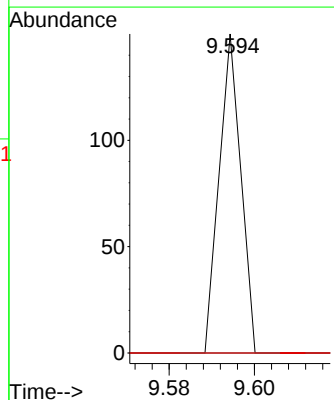
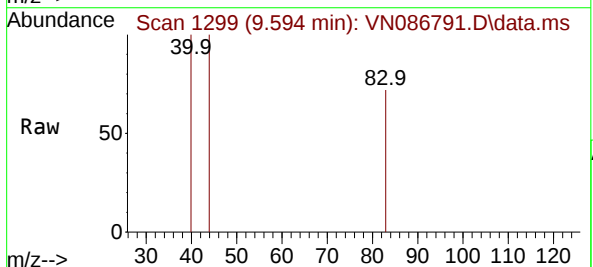


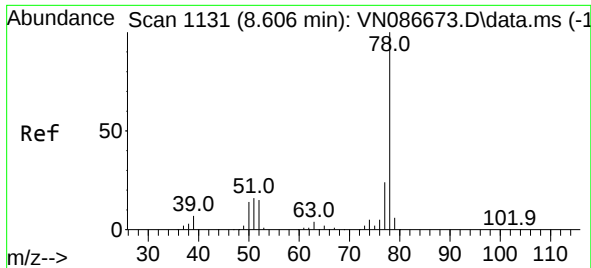
Tgt Ion:117 Resp: 16364
Ion Ratio Lower Upper
117 100
119 4.0 77.0 115.6#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 0.018 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 83 Resp: 53
Ion Ratio Lower Upper
83 100
55 0.0 58.2 87.4#
98 0.0 38.4 57.6#

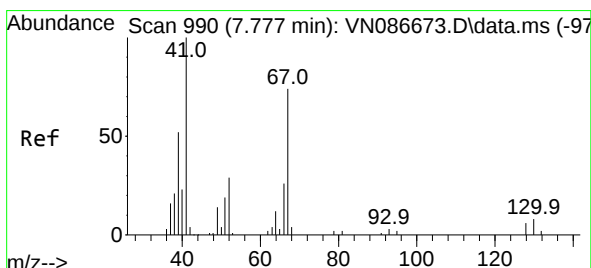
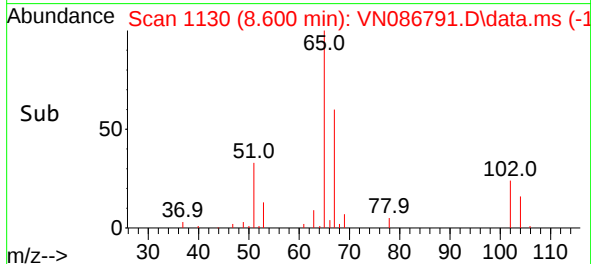
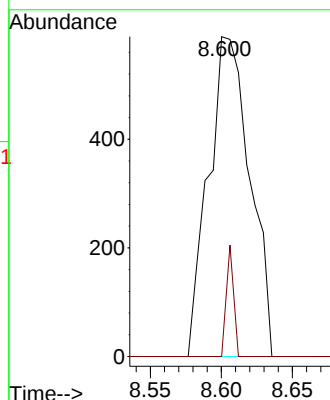
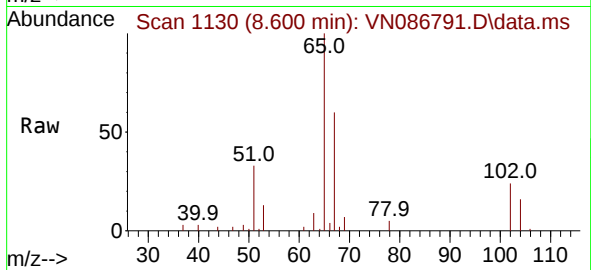




#40
Benzene
Concen: 0.131 ug/l
RT: 8.600 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

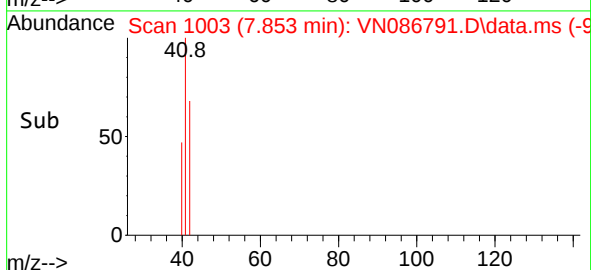
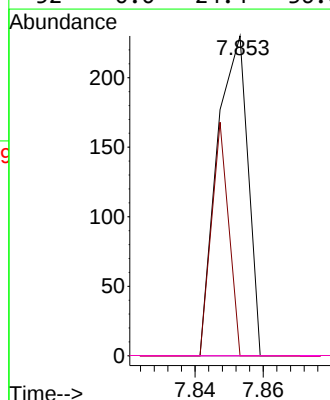
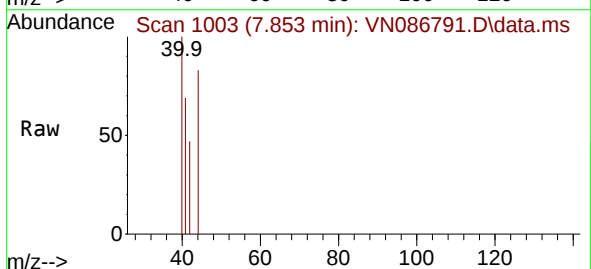
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

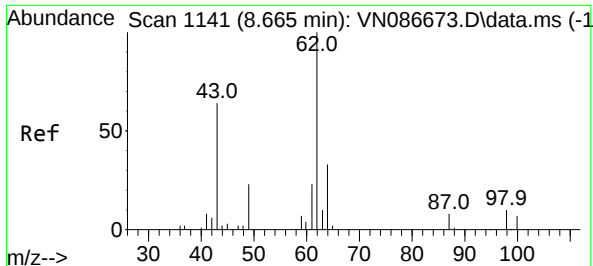
Tgt Ion: 78 Resp: 1196
Ion Ratio Lower Upper
78 100
77 0.0 19.1 28.7#



#41
Methacrylonitrile
Concen: 0.095 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.076 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 41 Resp: 144
Ion Ratio Lower Upper
41 100
39 41.0 44.9 67.3#
67 0.0 63.4 95.0#
52 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.076 ug/l

RT: 8.665 min Scan# 1141

Delta R.T. -0.000 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

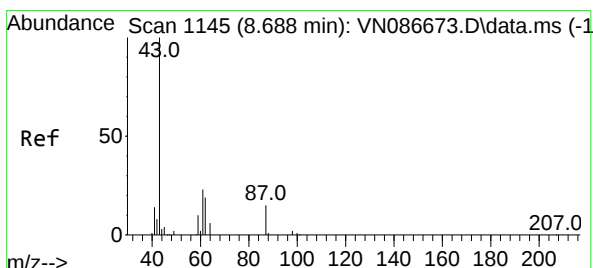
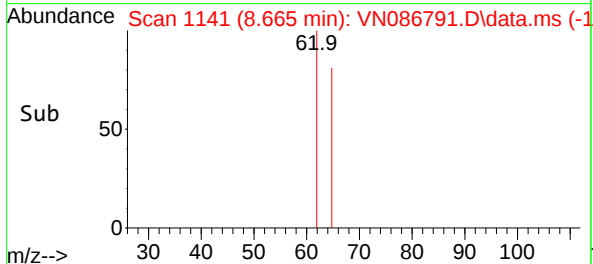
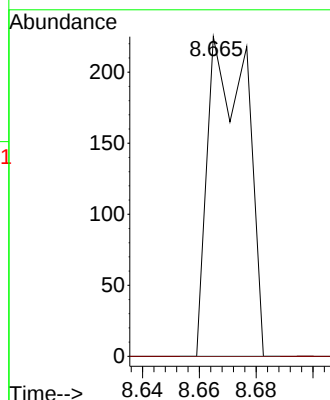
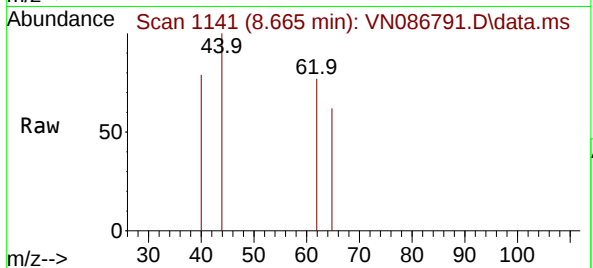
VN0528MBL01

Tgt Ion: 62 Resp: 215

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.2



#43

Isopropyl Acetate

Concen: 0.132 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.012 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

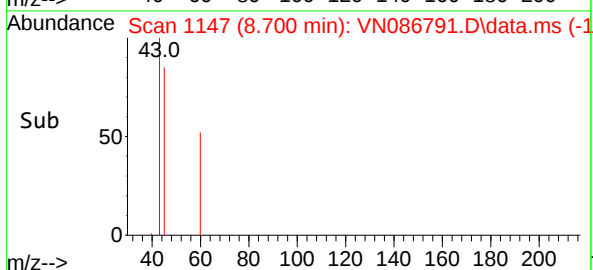
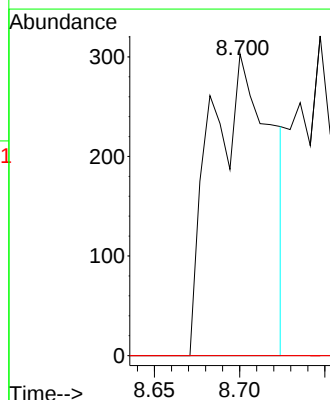
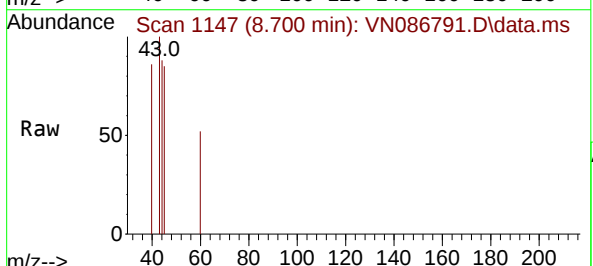
Tgt Ion: 43 Resp: 746

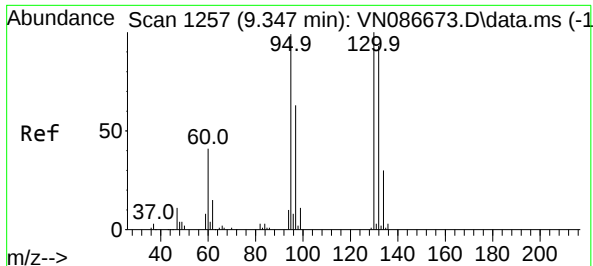
Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.2#

87 0.0 11.1 16.7#

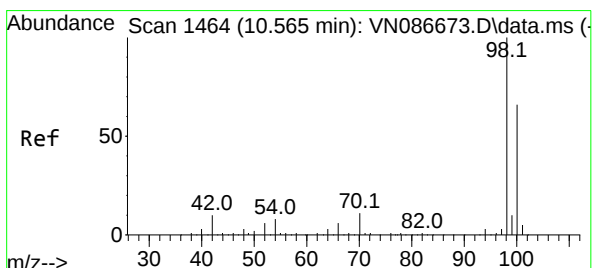
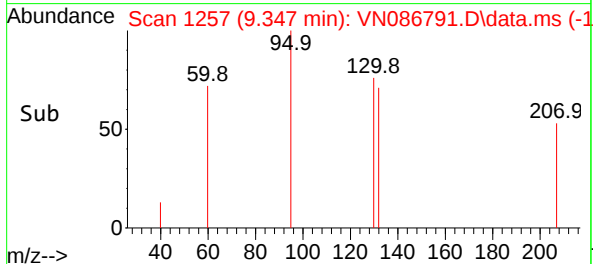
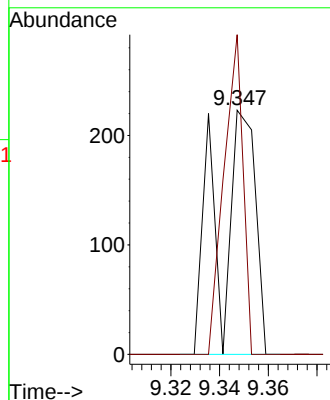
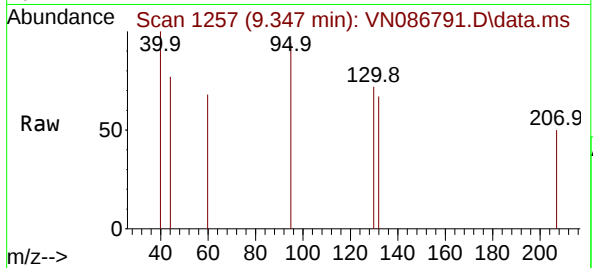




#44
Trichloroethene
Concen: 0.104 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

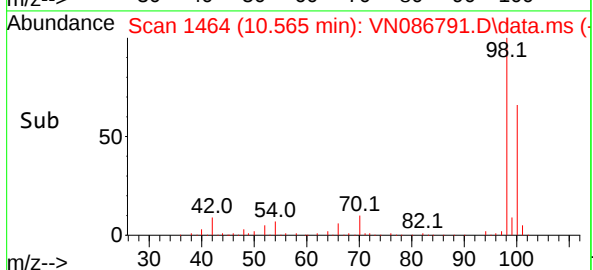
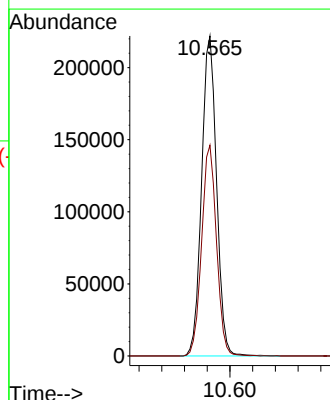
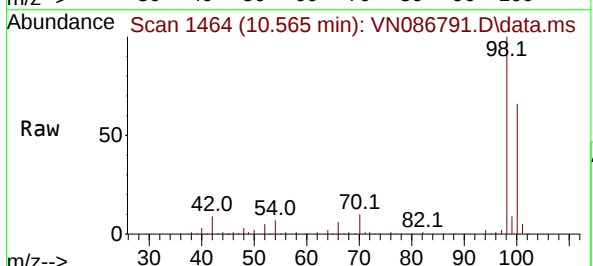
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

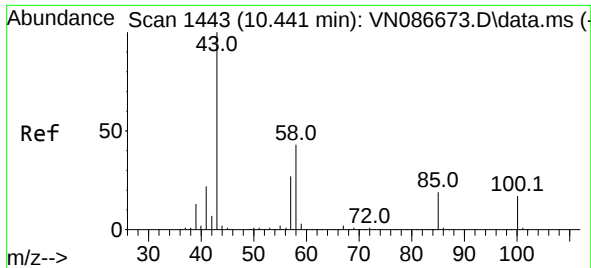
Tgt Ion:130 Resp: 229
Ion Ratio Lower Upper
130 100
95 130.9 0.0 197.0



#50
Toluene-d8
Concen: 51.634 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 98 Resp: 404871
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3

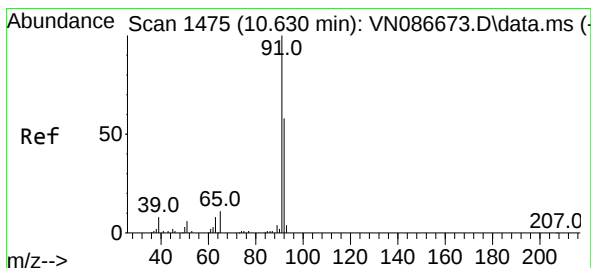
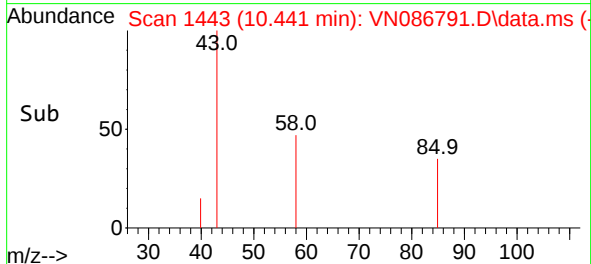
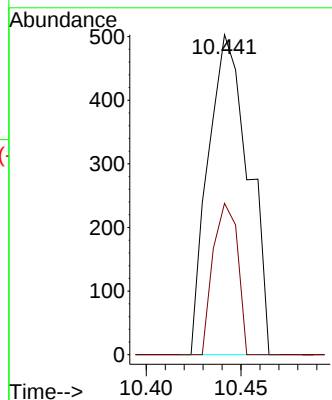
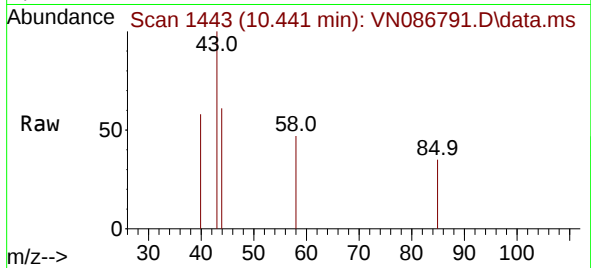




#51
4-Methyl-2-Pentanone
Concen: 0.262 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

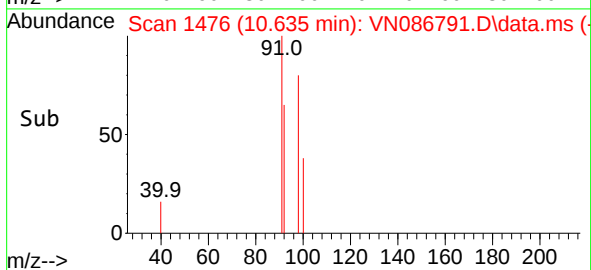
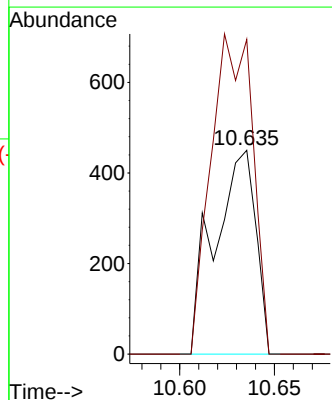
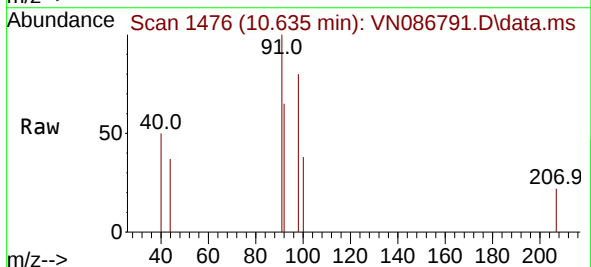
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

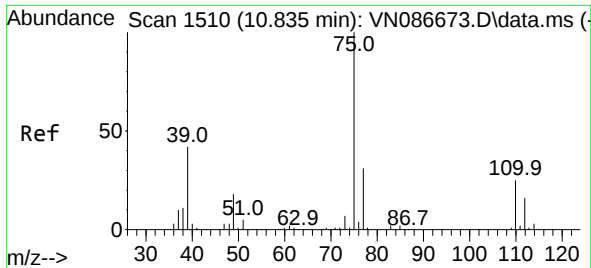
Tgt Ion: 43 Resp: 746
Ion Ratio Lower Upper
43 100
58 28.8 33.9 50.9#



#52
Toluene
Concen: 0.121 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 92 Resp: 682
Ion Ratio Lower Upper
92 100
91 158.5 137.8 206.8

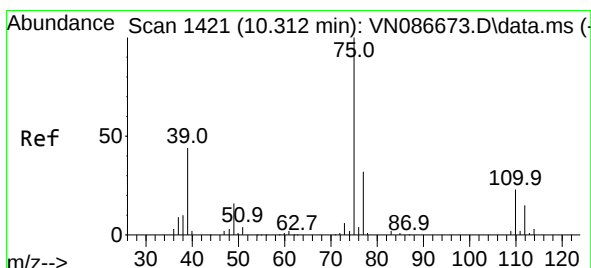
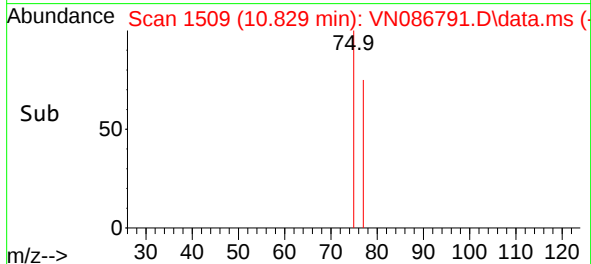
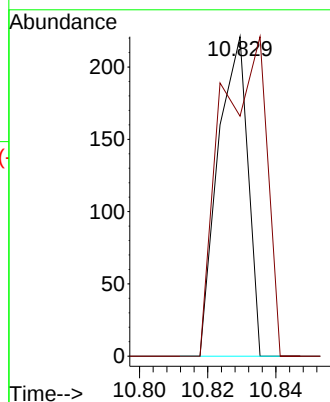
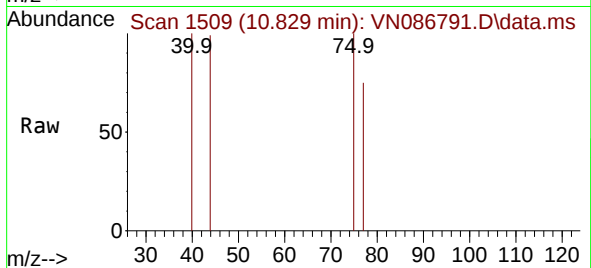




#53
t-1,3-Dichloropropene
Concen: 0.042 ug/l
RT: 10.829 min Scan# 1509
Delta R.T. -0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

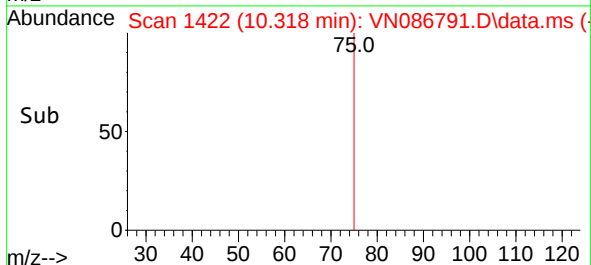
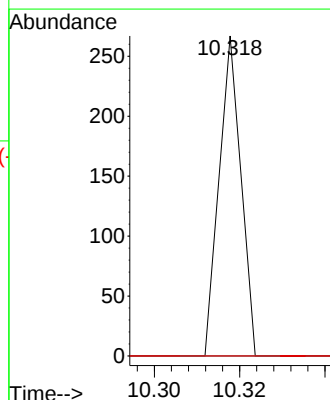
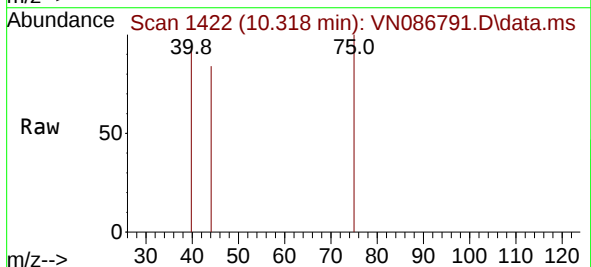
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

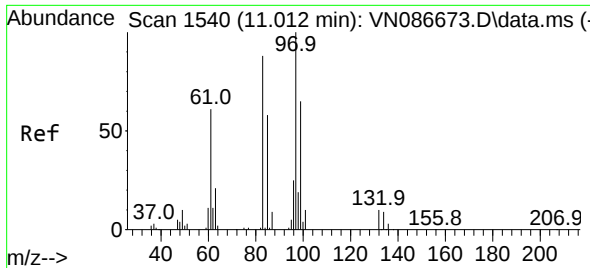
Tgt Ion: 75 Resp: 134
Ion Ratio Lower Upper
75 100
77 75.1 25.2 37.8#



#54
cis-1,3-Dichloropropene
Concen: 0.027 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 75 Resp: 94
Ion Ratio Lower Upper
75 100
77 0.0 25.3 37.9#
39 0.0 35.2 52.8#

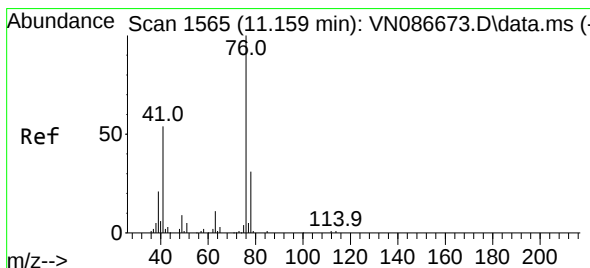
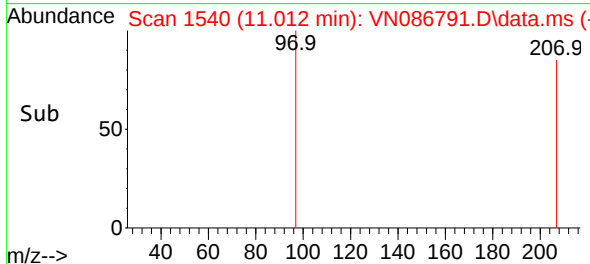
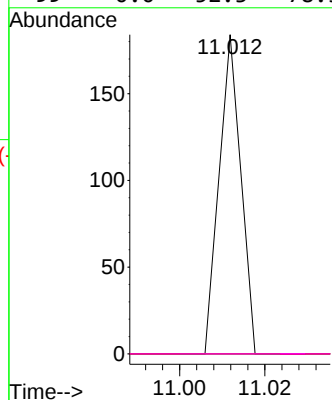
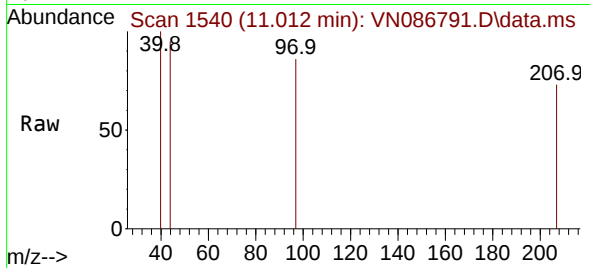




#55
 1,1,2-Trichloroethane
 Concen: 0.031 ug/l
 RT: 11.012 min Scan# 1540
 Delta R.T. -0.000 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

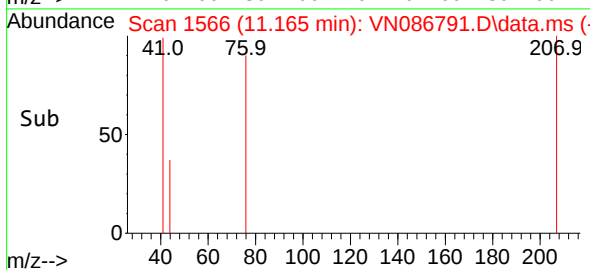
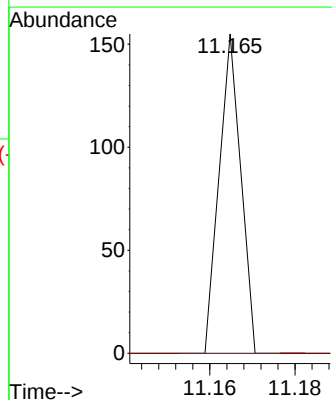
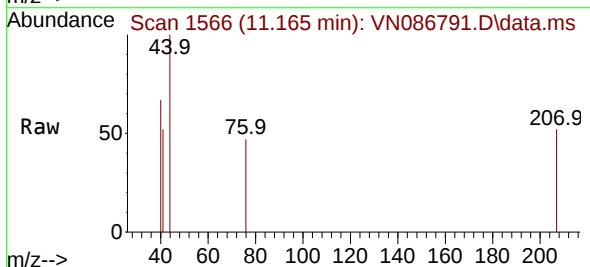
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBL01

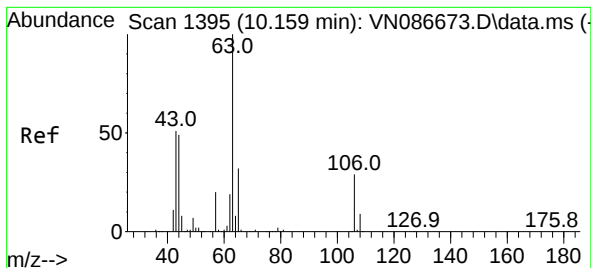
Tgt Ion: 97	Resp: 65
Ion Ratio	Lower Upper
97 100	
83 0.0	70.4 105.6#
85 0.0	46.1 69.1#
99 0.0	52.3 78.5#



#57
 1,3-Dichloropropane
 Concen: 0.015 ug/l
 RT: 11.165 min Scan# 1566
 Delta R.T. 0.006 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

Tgt Ion: 76	Resp: 55
Ion Ratio	Lower Upper
76 100	
78 0.0	25.8 38.8#

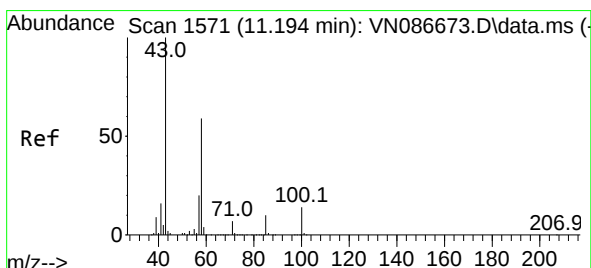
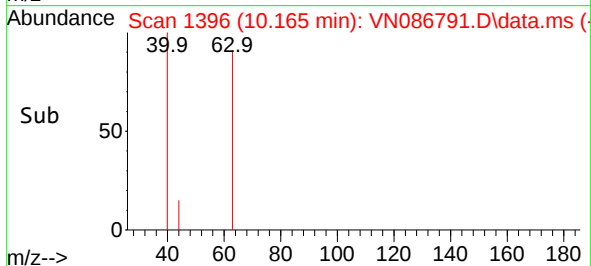
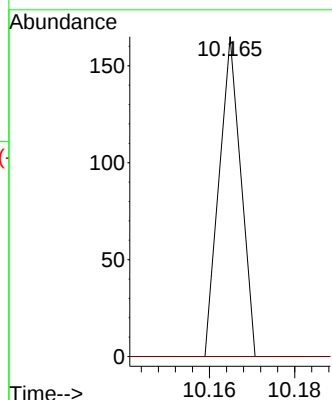
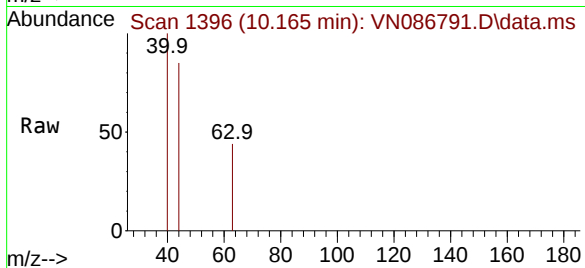




#58
 2-Chloroethyl Vinyl ether
 Concen: 0.038 ug/l
 RT: 10.165 min Scan# 1396
 Delta R.T. 0.006 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

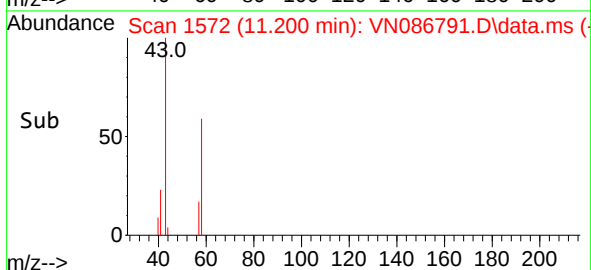
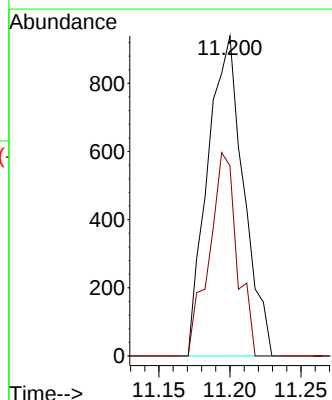
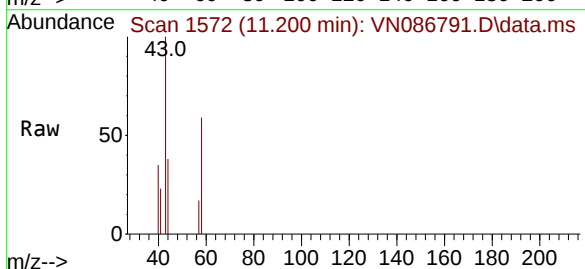
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBL01

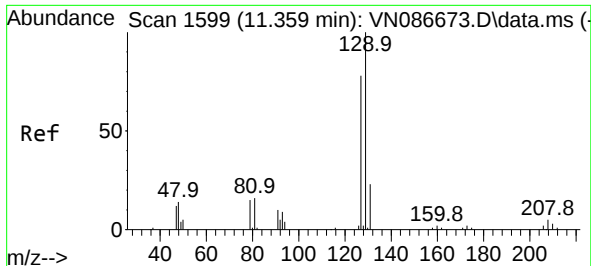
Tgt Ion: 63 Resp: 58
 Ion Ratio Lower Upper
 63 100
 106 0.0 23.1 34.7#



#59
 2-Hexanone
 Concen: 0.793 ug/l
 RT: 11.200 min Scan# 1572
 Delta R.T. 0.006 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

Tgt Ion: 43 Resp: 1650
 Ion Ratio Lower Upper
 43 100
 58 49.7 29.8 89.5

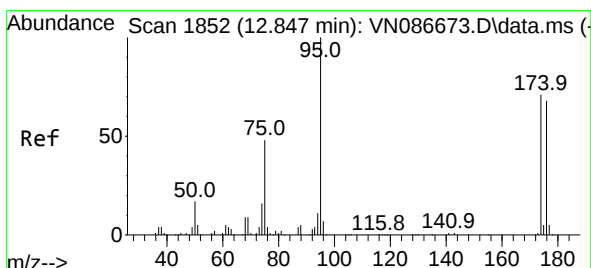
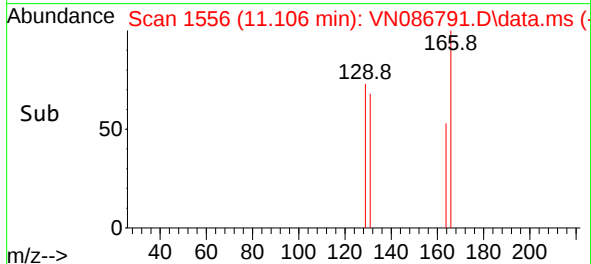
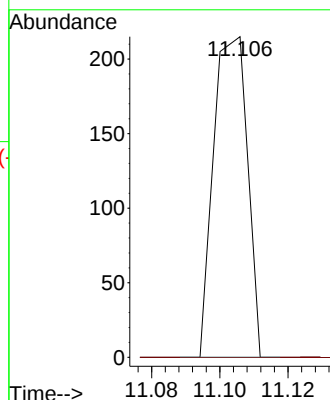
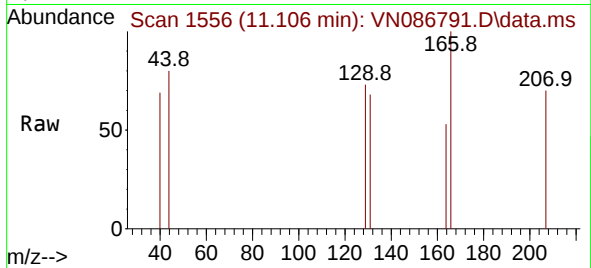




#60
Dibromochloromethane
Concen: 0.067 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

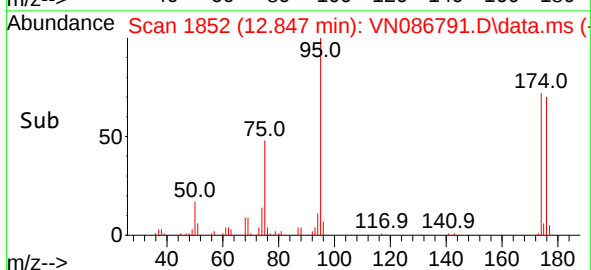
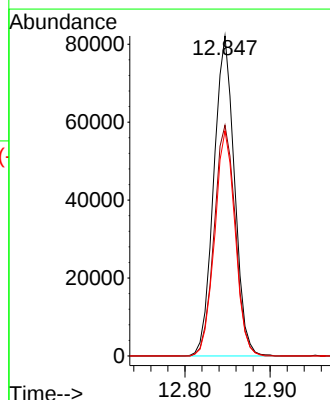
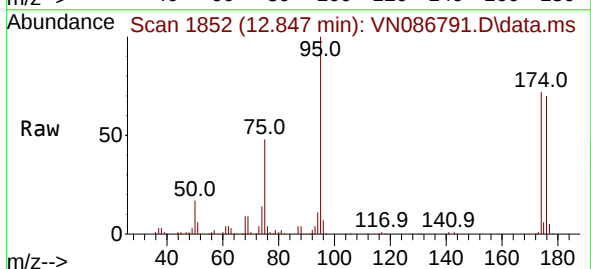
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

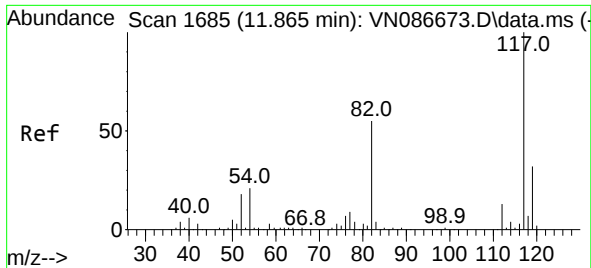
Tgt Ion:129 Resp: 148
Ion Ratio Lower Upper
129 100
127 0.0 39.5 118.3#



#62
4-Bromofluorobenzene
Concen: 50.140 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 95 Resp: 138823
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.4
176 69.4 0.0 137.8

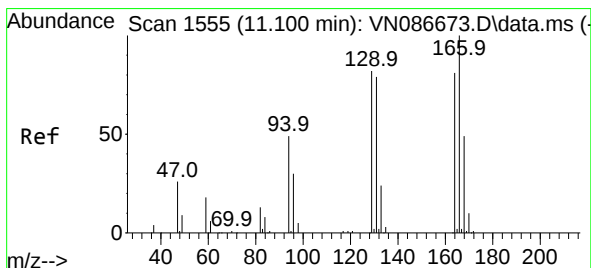
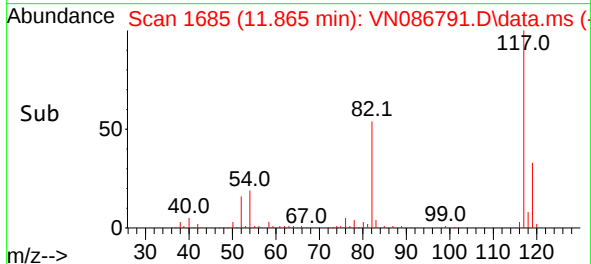
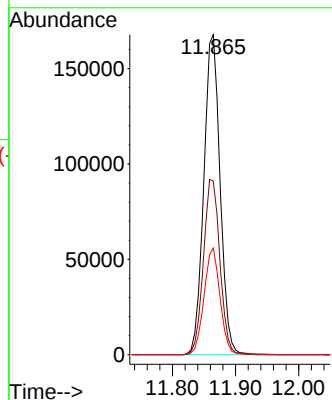
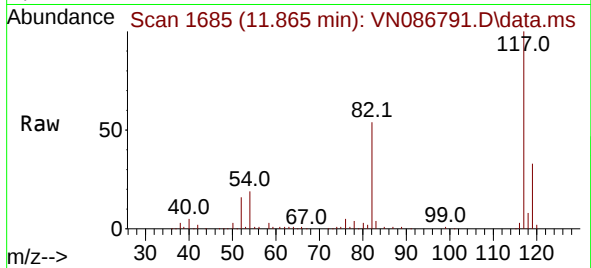




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

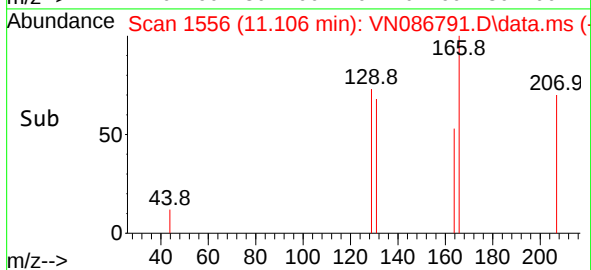
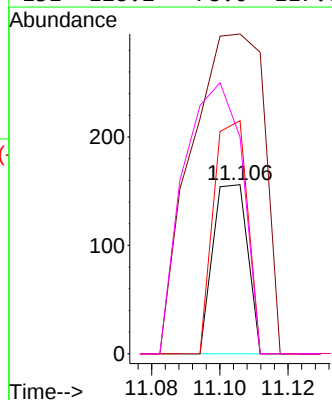
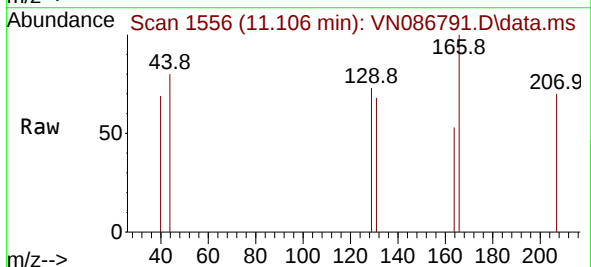
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

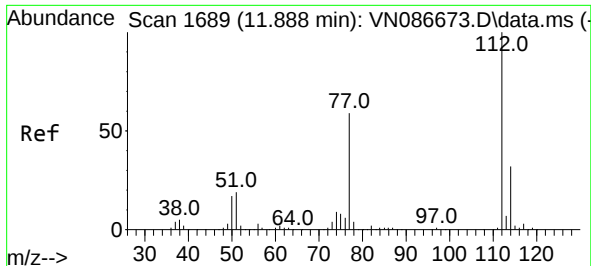
Tgt Ion:117 Resp: 301353
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 33.4 25.4 38.2



#64
Tetrachloroethene
Concen: 0.047 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion:164 Resp: 109
Ion Ratio Lower Upper
164 100
166 189.1 98.2 147.4#
129 137.8 81.0 121.4#
131 128.2 78.0 117.0#

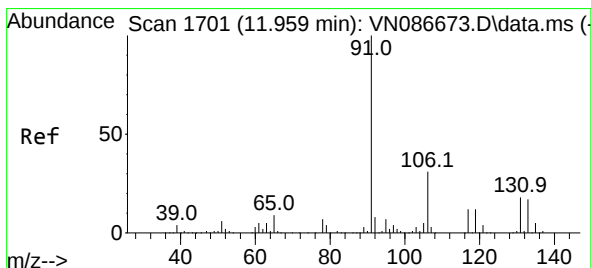
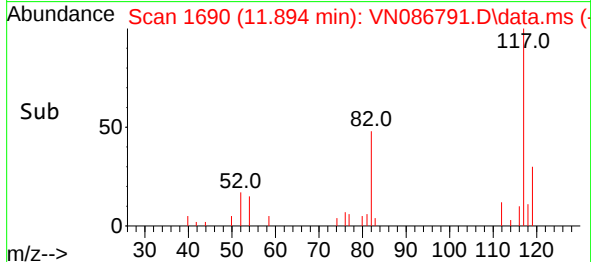
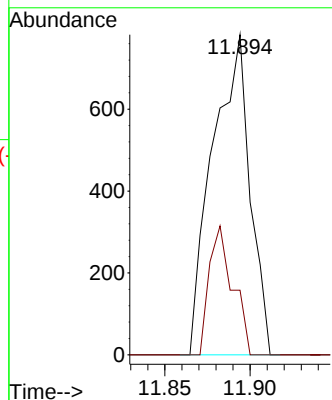
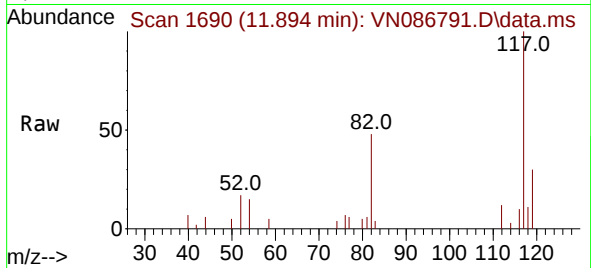




#65
Chlorobenzene
Concen: 0.180 ug/l
RT: 11.894 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

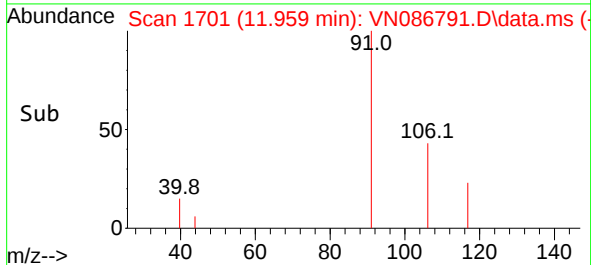
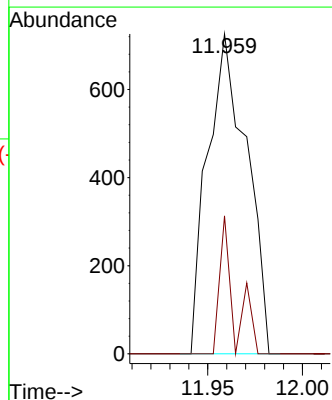
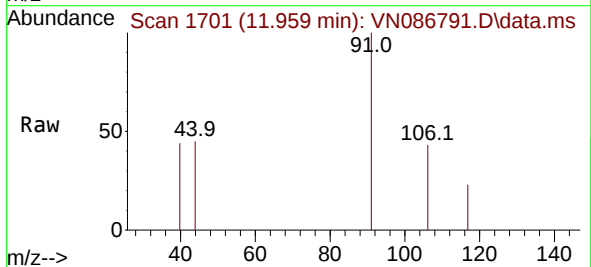
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

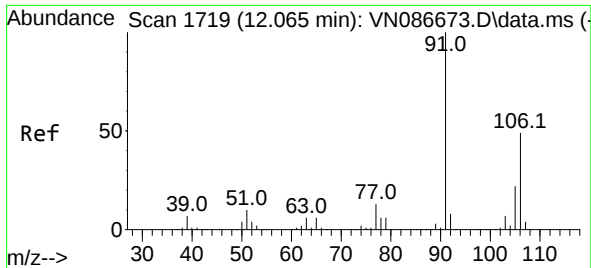
Tgt Ion:112 Resp: 1190
Ion Ratio Lower Upper
112 100
114 20.2 25.9 38.9#



#67
Ethyl Benzene
Concen: 0.092 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 91 Resp: 1042
Ion Ratio Lower Upper
91 100
106 43.1 24.6 36.8#

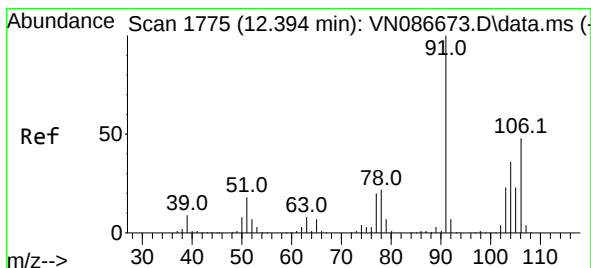
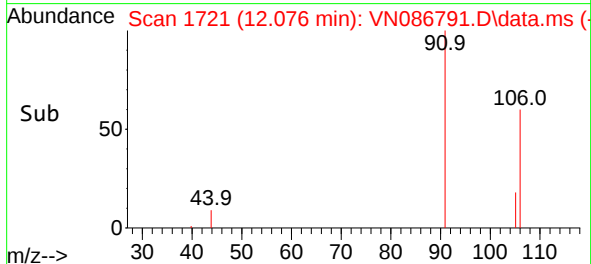
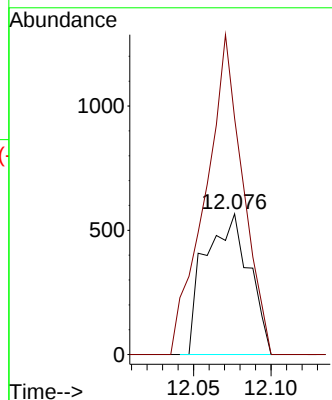
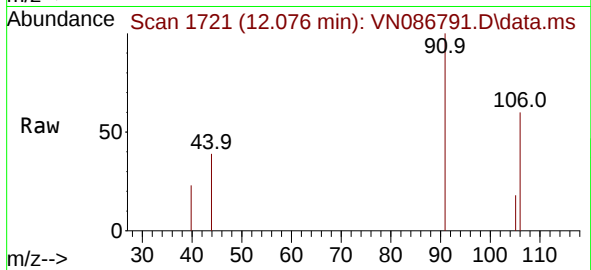




#68
m/p-Xylenes
Concen: 0.261 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.012 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

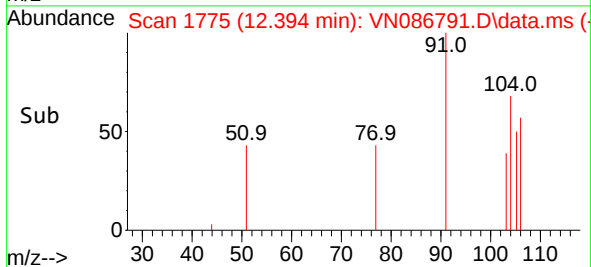
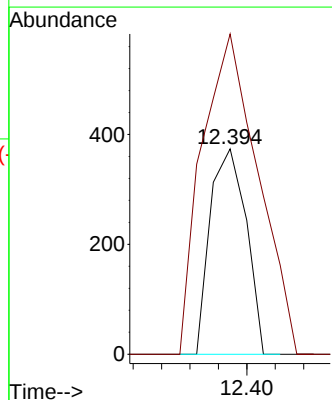
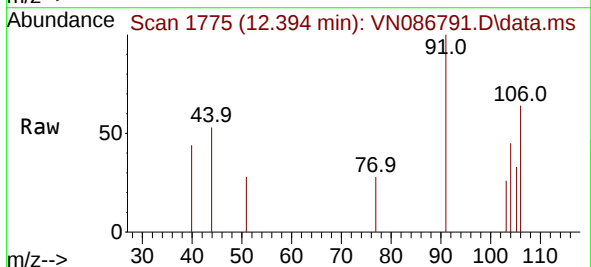
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

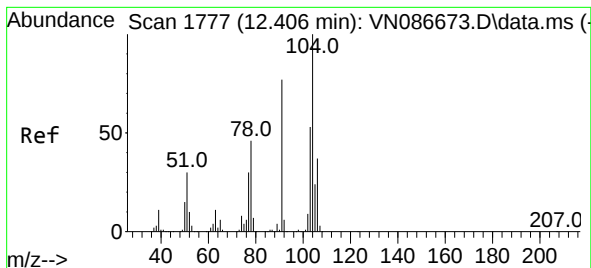
Tgt Ion:106 Resp: 1117
Ion Ratio Lower Upper
106 100
91 194.2 162.4 243.6



#69
o-Xylene
Concen: 0.077 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion:106 Resp: 328
Ion Ratio Lower Upper
106 100
91 243.9 105.1 315.1





#70

Styrene

Concen: 0.153 ug/l

RT: 12.418 min Scan# 11

Delta R.T. 0.012 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBL01

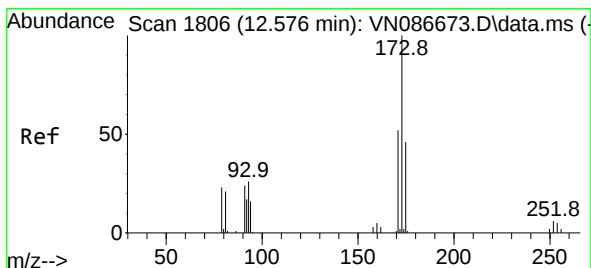
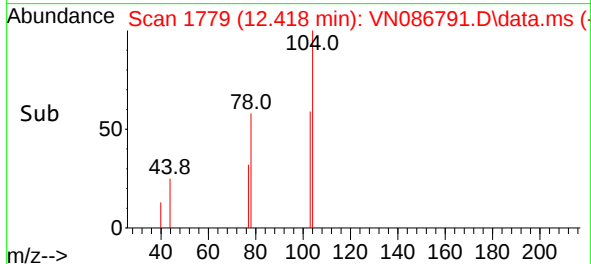
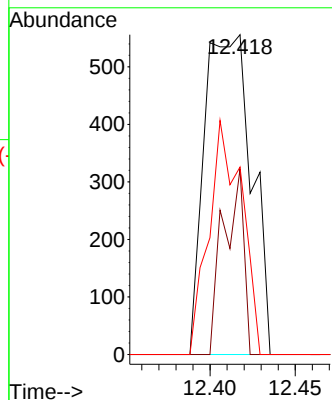
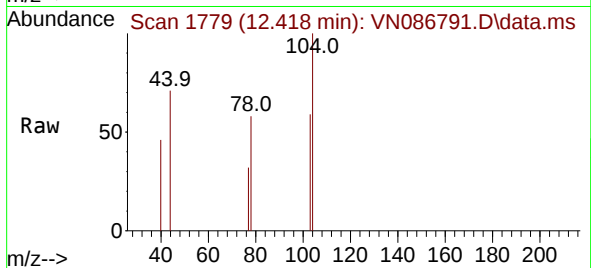
Tgt Ion:104 Resp: 1068

Ion Ratio Lower Upper

104 100

78 25.0 39.0 58.6#

103 51.2 43.8 65.8



#71

Bromoform

Concen: 0.084 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

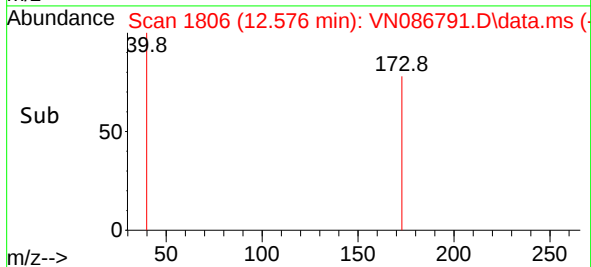
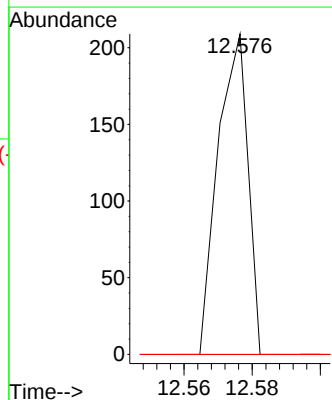
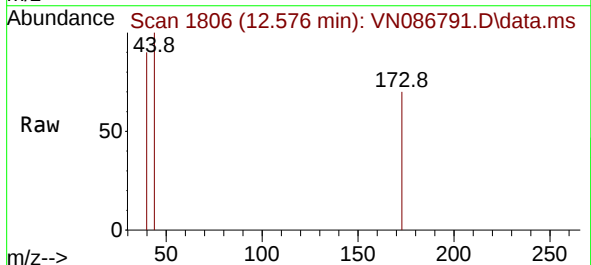
Tgt Ion:173 Resp: 127

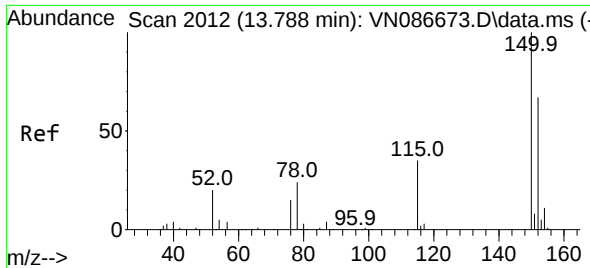
Ion Ratio Lower Upper

173 100

175 0.0 23.4 70.2#

254 0.0 0.0 0.0

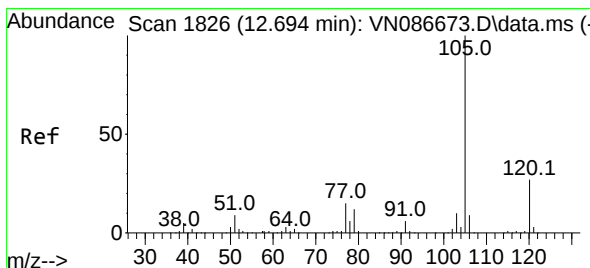
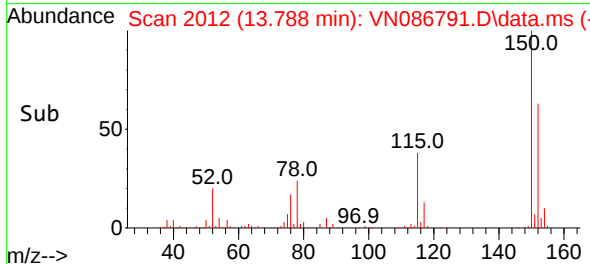
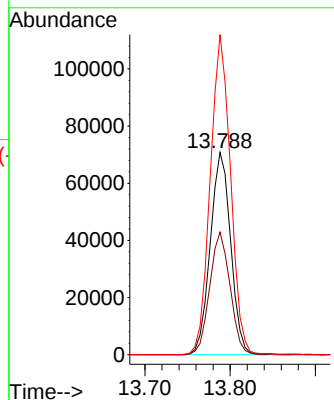
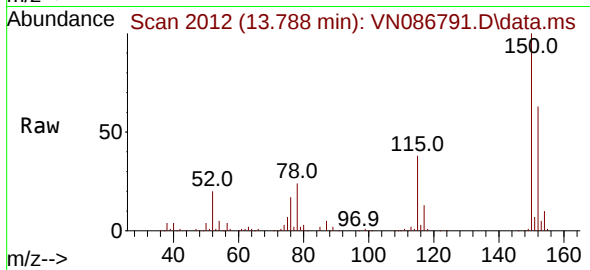




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

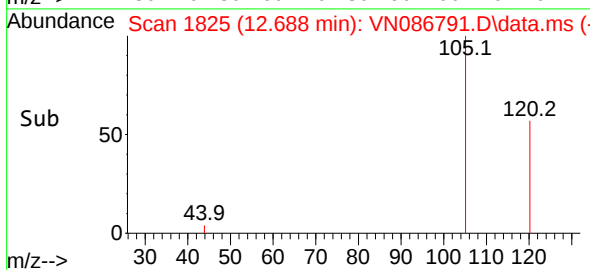
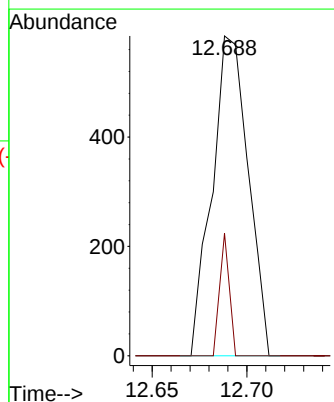
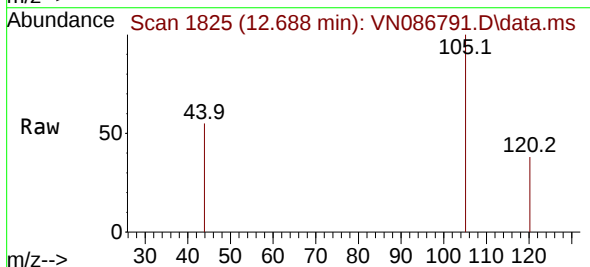
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

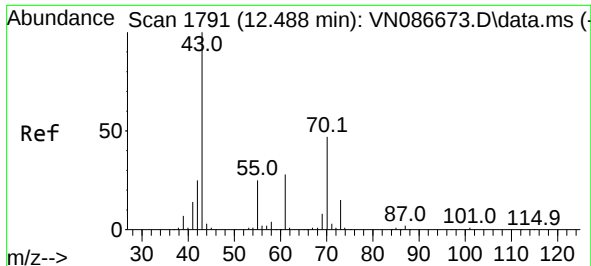
Tgt Ion:152 Resp: 117754
Ion Ratio Lower Upper
152 100
115 60.2 30.0 90.1
150 157.4 0.0 347.8



#73
Isopropylbenzene
Concen: 0.086 ug/l
RT: 12.688 min Scan# 1825
Delta R.T. -0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion:105 Resp: 779
Ion Ratio Lower Upper
105 100
120 10.1 13.4 40.1#

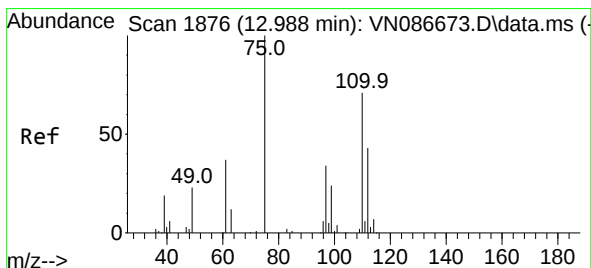
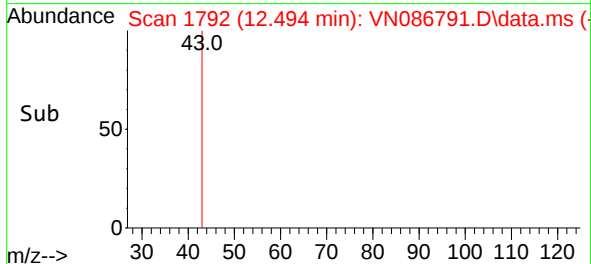
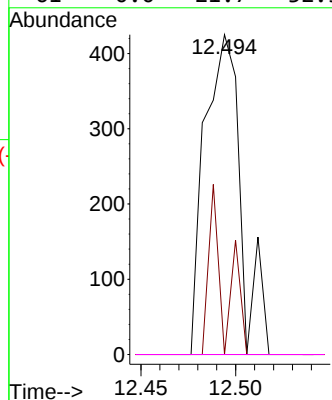
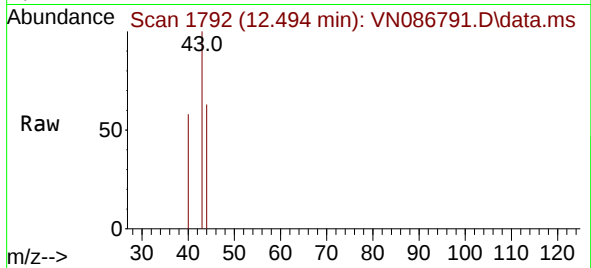




#74
N-amy1 acetate
Concen: 0.148 ug/l
RT: 12.494 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

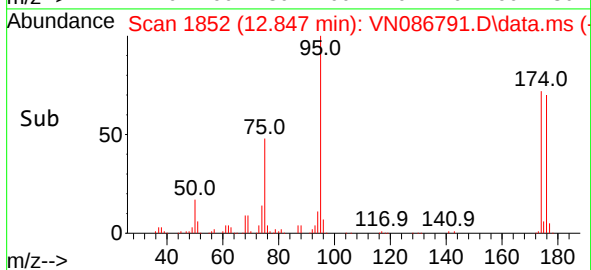
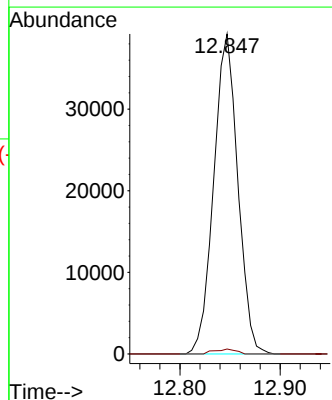
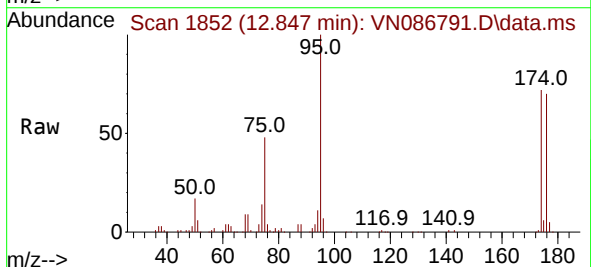
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

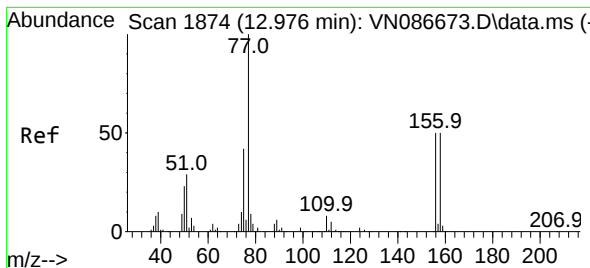
Tgt Ion: 43	Resp: 563
Ion Ratio	Lower Upper
43 100	
70 23.6	37.9 56.9#
55 0.0	20.5 30.7#
61 0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 24.565 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 75	Resp: 65420
Ion Ratio	Lower Upper
75 100	
77 1.4	96.0 288.1#





#77

Bromobenzene

Concen: 0.244 ug/l

RT: 12.976 min Scan# 1874

Delta R.T. -0.000 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBL01

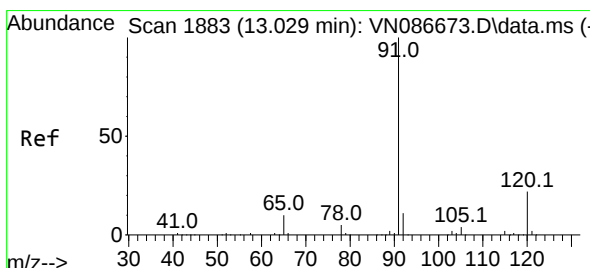
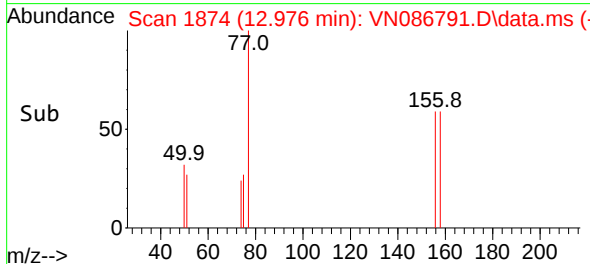
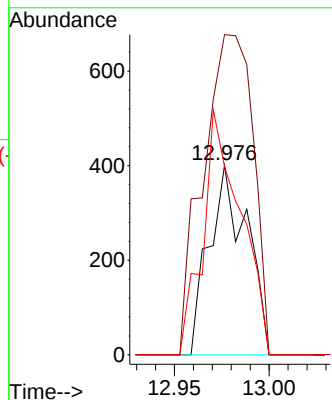
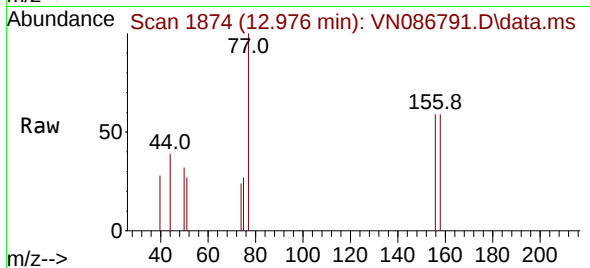
Tgt Ion:156 Resp: 559

Ion Ratio Lower Upper

156 100

77 222.4 113.1 339.2

158 128.3 48.6 145.9



#78

n-propylbenzene

Concen: 0.180 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.006 min

Lab File: VN086791.D

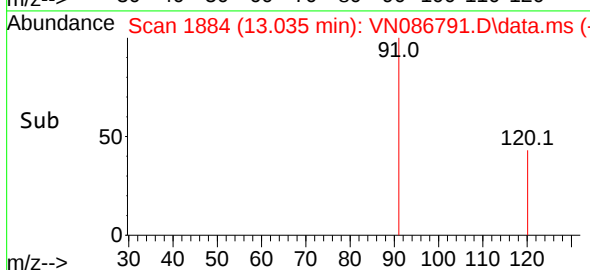
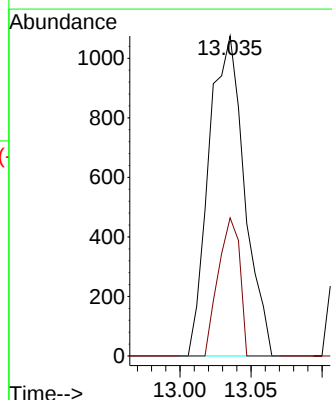
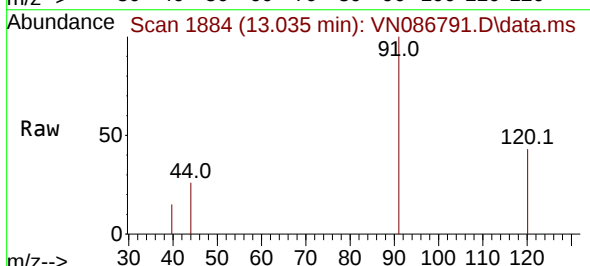
Acq: 28 May 2025 11:35

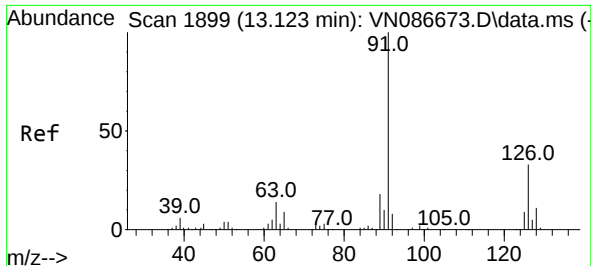
Tgt Ion: 91 Resp: 1875

Ion Ratio Lower Upper

91 100

120 26.0 11.4 34.1





#79

2-Chlorotoluene

Concen: 0.161 ug/l

RT: 13.123 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

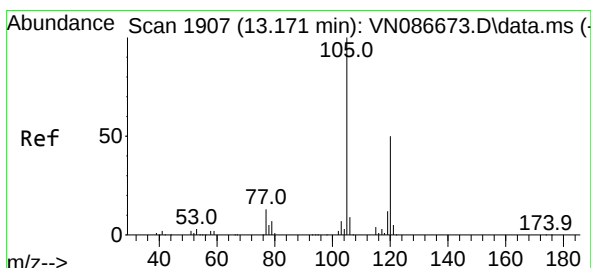
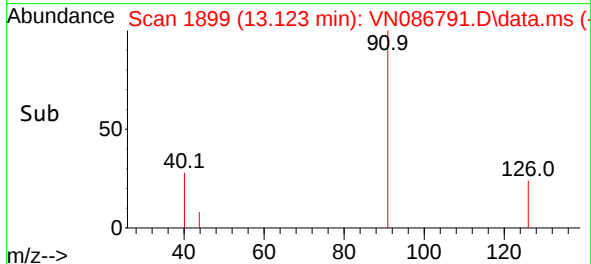
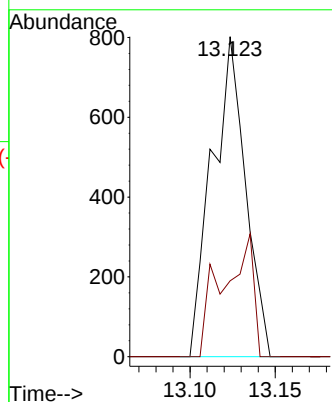
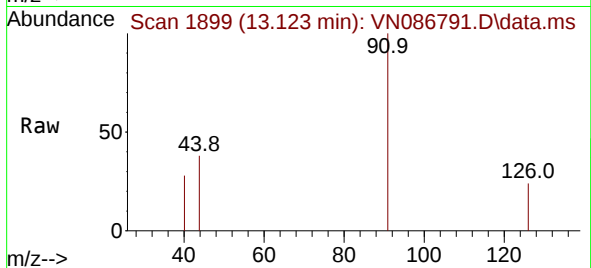
VN0528MBL01

Tgt Ion: 91 Resp: 1093

Ion Ratio Lower Upper

91 100

126 35.3 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 0.091 ug/l

RT: 13.165 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VN086791.D

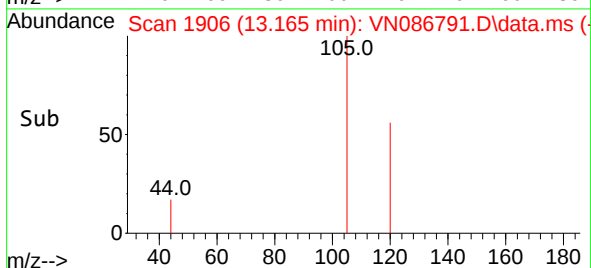
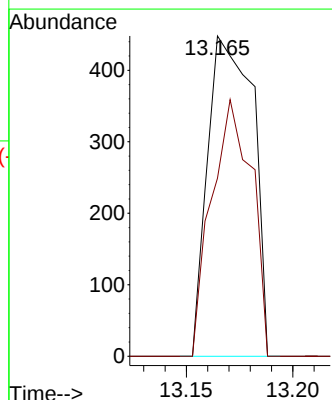
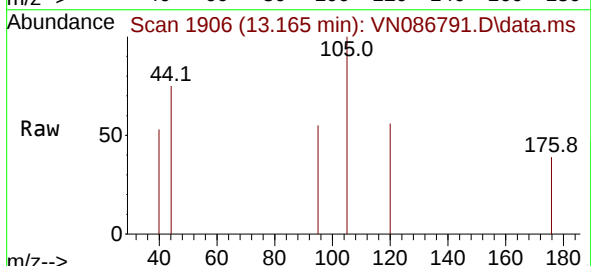
Acq: 28 May 2025 11:35

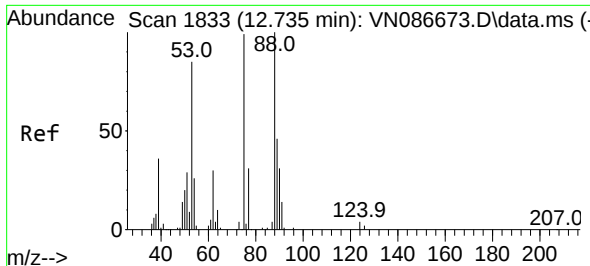
Tgt Ion: 105 Resp: 661

Ion Ratio Lower Upper

105 100

120 71.3 24.9 74.6

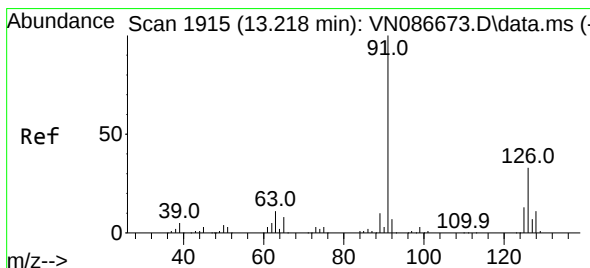
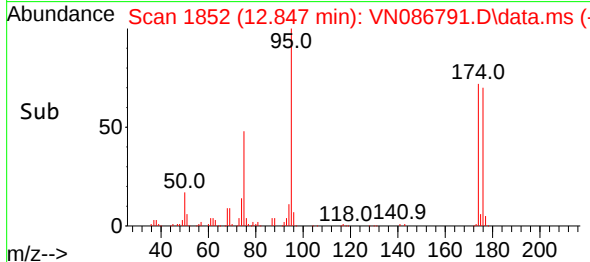
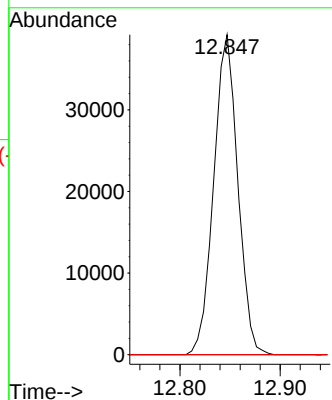
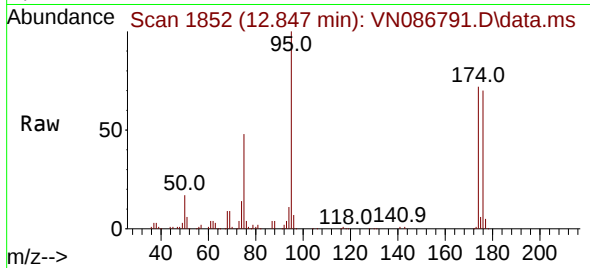




#81
trans-1,4-Dichloro-2-butene
Concen: 61.994 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

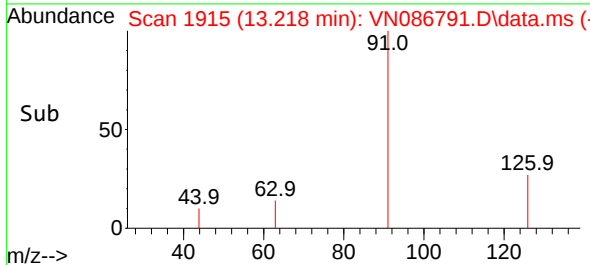
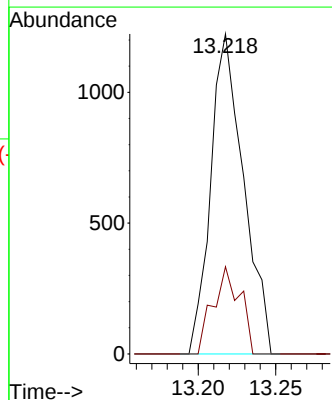
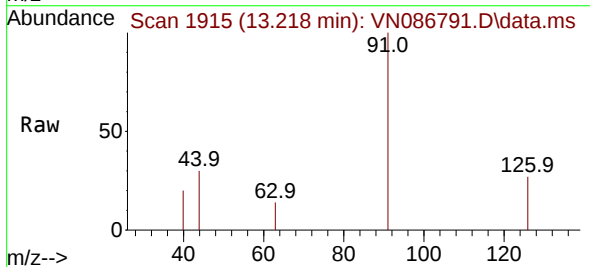
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

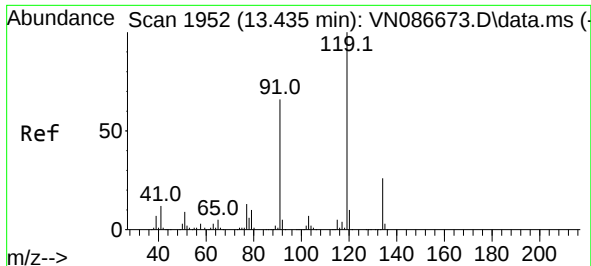
Tgt Ion: 75 Resp: 65420
Ion Ratio Lower Upper
75 100
53 0.0 70.4 105.6#
89 0.0 32.4 48.6#



#82
4-Chlorotoluene
Concen: 0.268 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion: 91 Resp: 1801
Ion Ratio Lower Upper
91 100
126 22.4 17.0 50.9

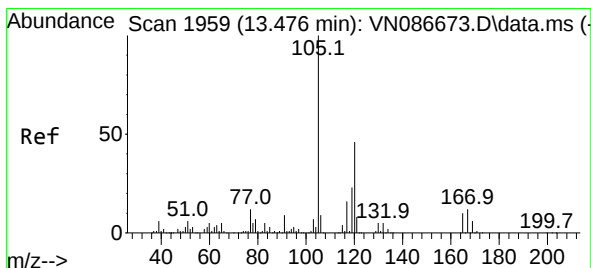
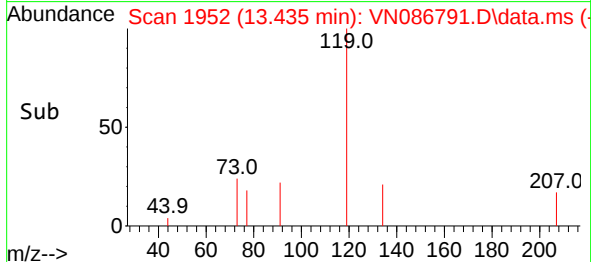
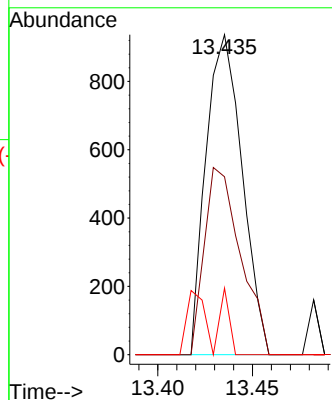
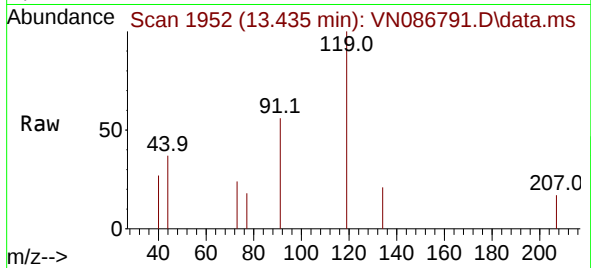




#83
 tert-Butylbenzene
 Concen: 0.195 ug/l
 RT: 13.435 min Scan# 1952
 Delta R.T. -0.000 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

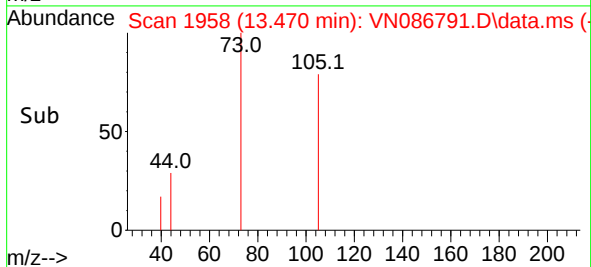
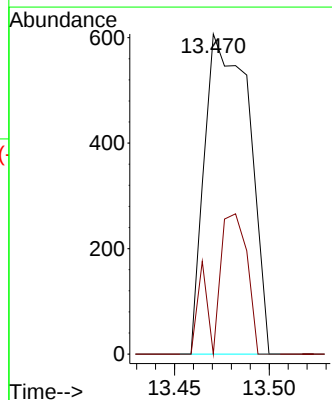
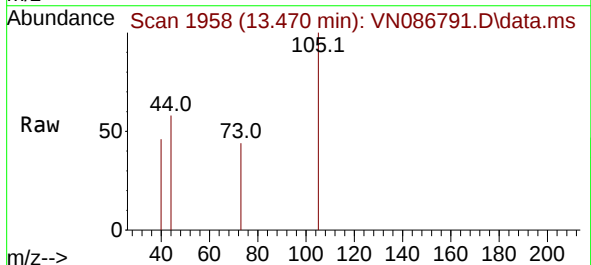
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBL01

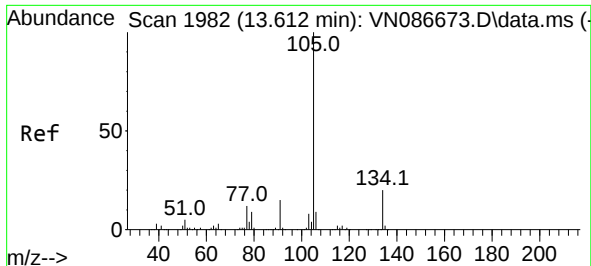
Tgt Ion:119 Resp: 1242
 Ion Ratio Lower Upper
 119 100
 91 58.6 32.9 98.7
 134 9.9 13.4 40.1#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.137 ug/l
 RT: 13.470 min Scan# 1958
 Delta R.T. -0.006 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

Tgt Ion:105 Resp: 991
 Ion Ratio Lower Upper
 105 100
 120 31.8 23.2 69.6

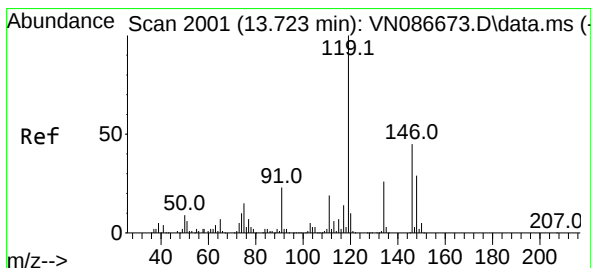
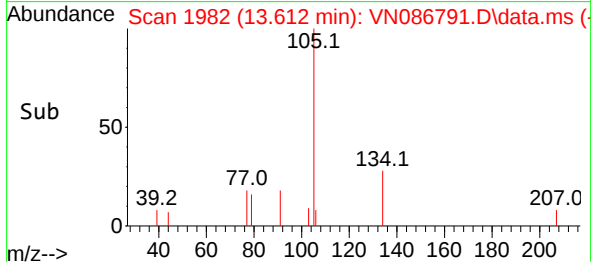
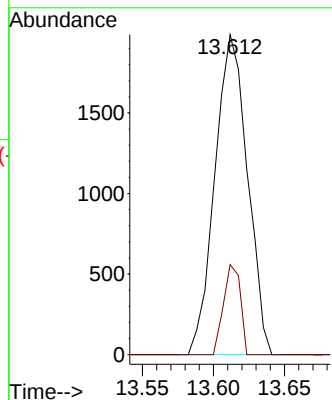
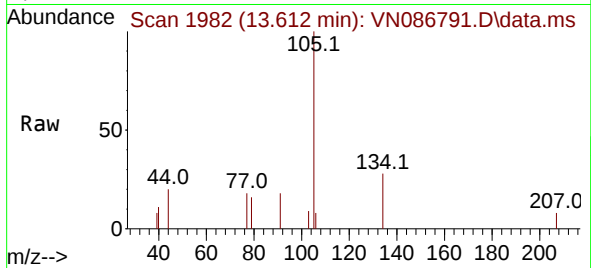




#85
 sec-Butylbenzene
 Concen: 0.372 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. -0.000 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

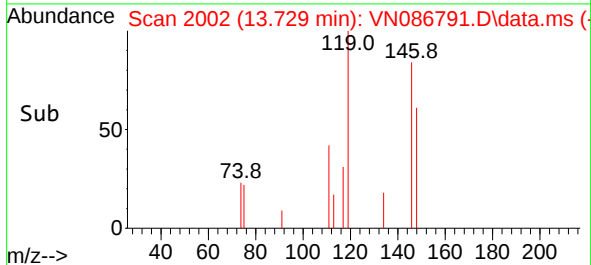
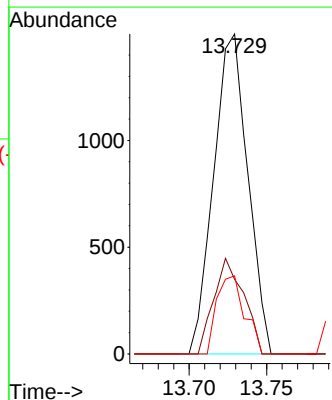
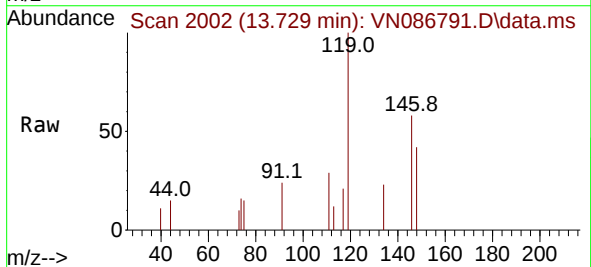
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBL01

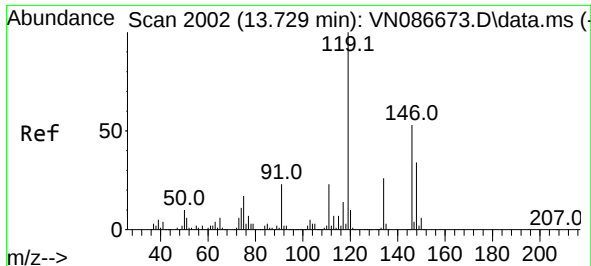
Tgt Ion:105 Resp: 3167
 Ion Ratio Lower Upper
 105 100
 134 14.5 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 0.328 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.006 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

Tgt Ion:119 Resp: 2293
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.1 39.1
 91 20.0 11.5 34.5

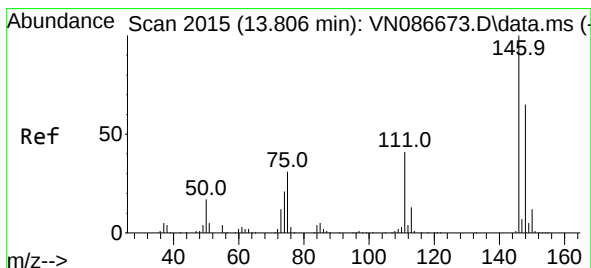
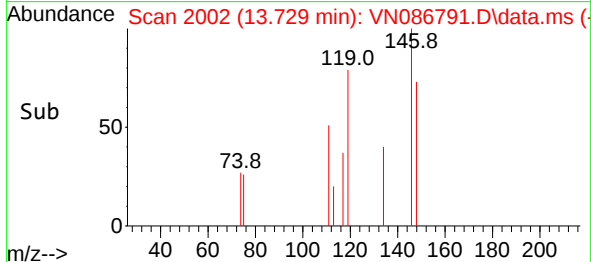
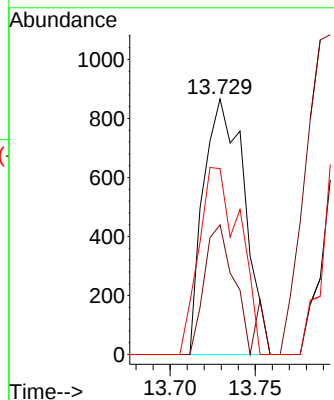
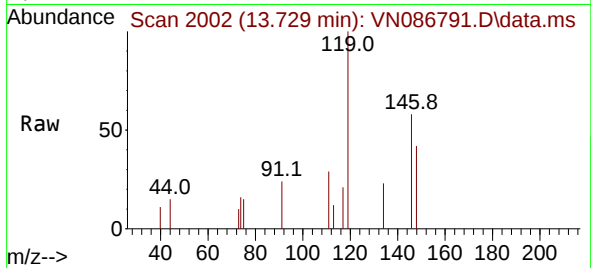




#87
1,3-Dichlorobenzene
Concen: 0.363 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

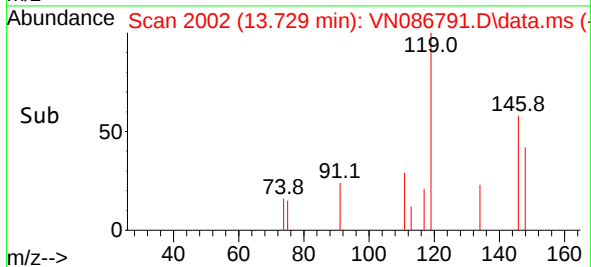
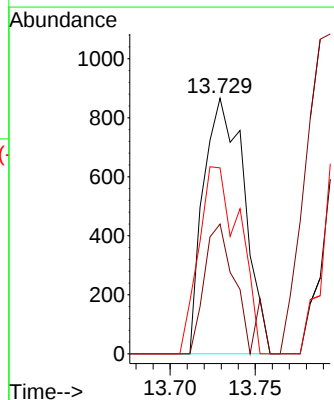
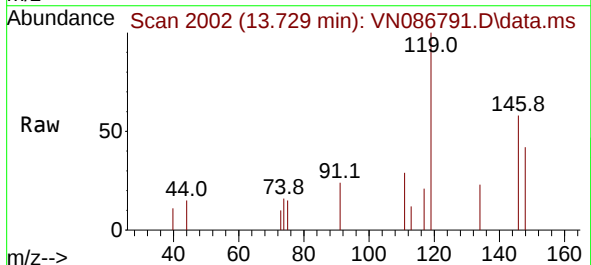
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

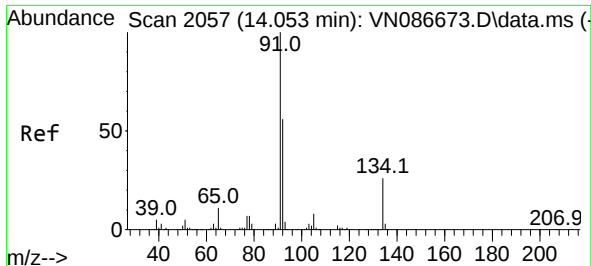
Tgt Ion:146 Resp: 1438
Ion Ratio Lower Upper
146 100
111 41.2 20.9 62.7
148 73.3 31.8 95.4



#88
1,4-Dichlorobenzene
Concen: 0.366 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. -0.076 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion:146 Resp: 1438
Ion Ratio Lower Upper
146 100
111 41.2 20.6 61.8
148 73.3 32.0 96.0

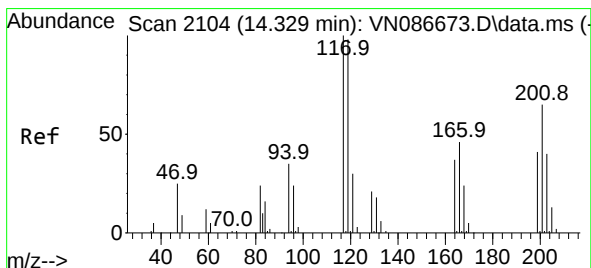
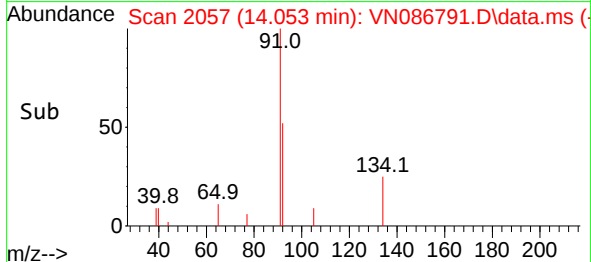
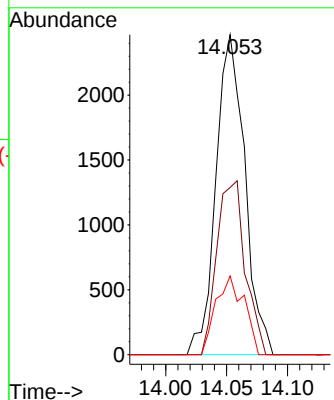
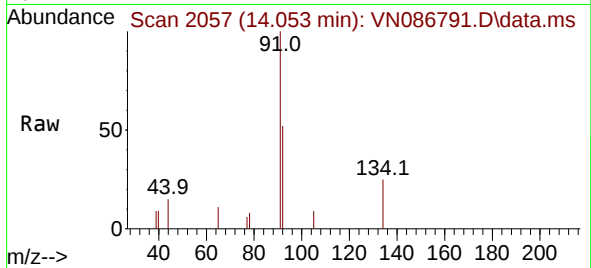




#89
n-Butylbenzene
Concen: 0.703 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

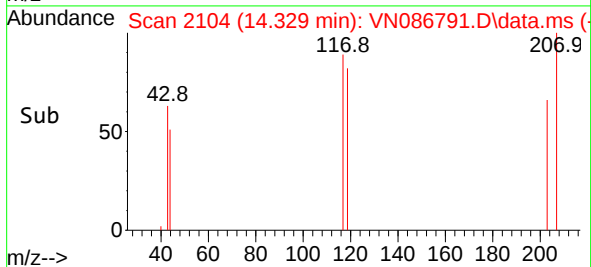
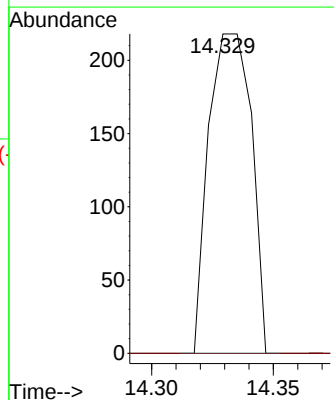
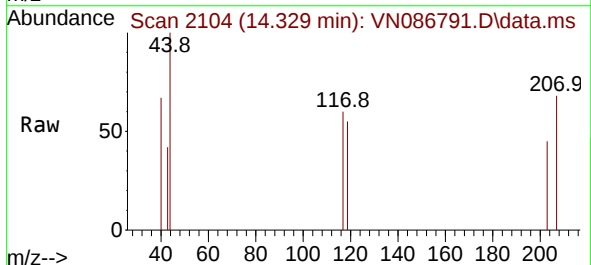
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

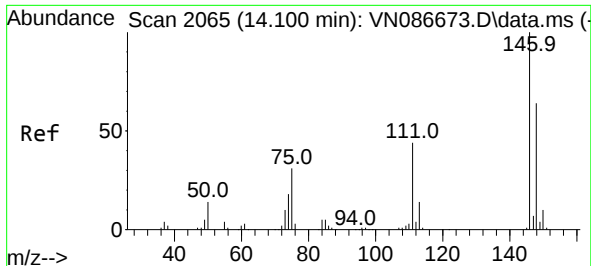
Tgt Ion:	91	Resp:	4068
Ion	Ratio	Lower	Upper
91	100		
92	53.4	27.4	82.0
134	24.0	12.8	38.4



#90
Hexachloroethane
Concen: 0.230 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion:	117	Resp:	267
Ion	Ratio	Lower	Upper
117	100		
201	0.0	32.0	96.0#





#91

1,2-Dichlorobenzene

Concen: 0.392 ug/l

RT: 14.106 min Scan# 2065

Delta R.T. 0.006 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBL01

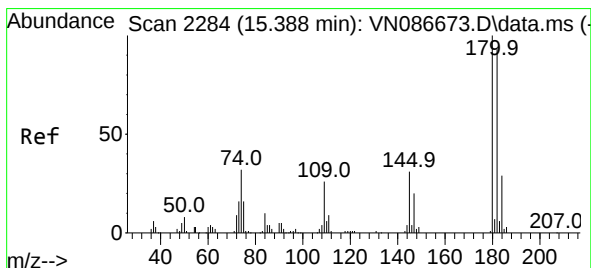
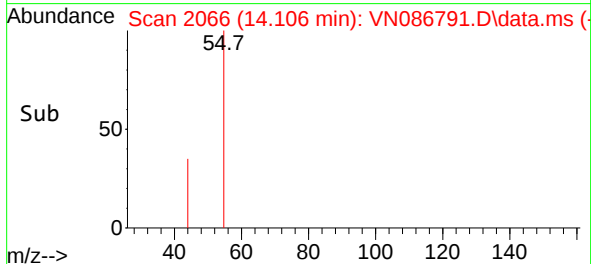
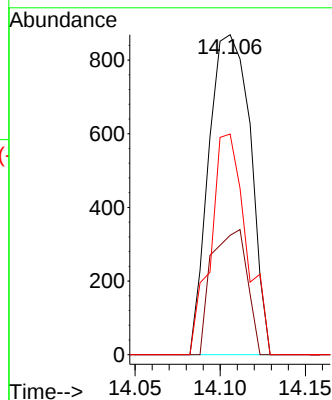
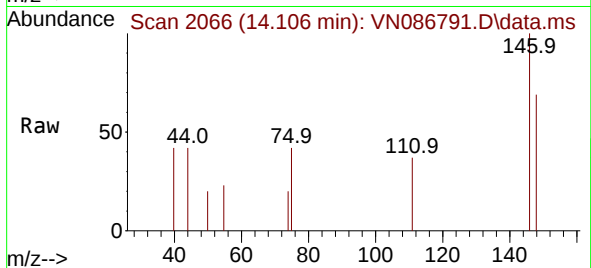
Tgt Ion:146 Resp: 1477

Ion Ratio Lower Upper

146 100

111 33.3 21.6 65.0

148 59.2 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 1.435 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.000 min

Lab File: VN086791.D

Acq: 28 May 2025 11:35

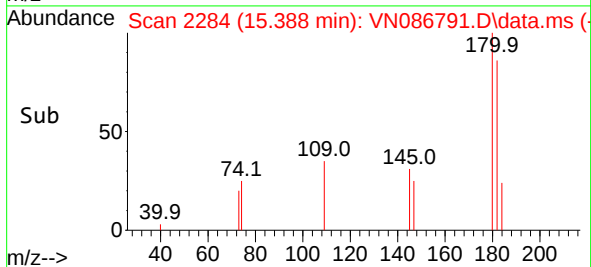
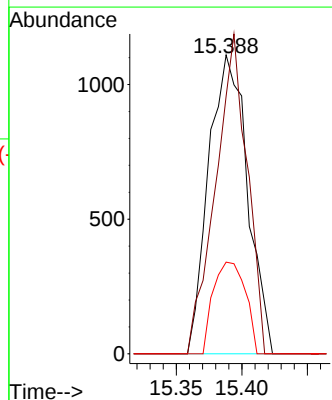
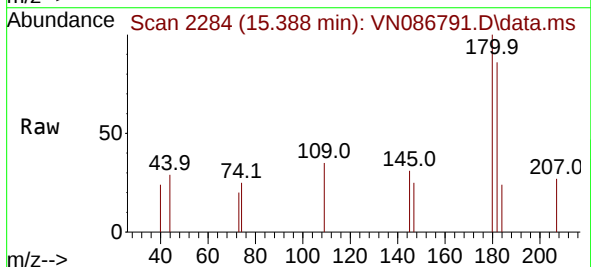
Tgt Ion:180 Resp: 2283

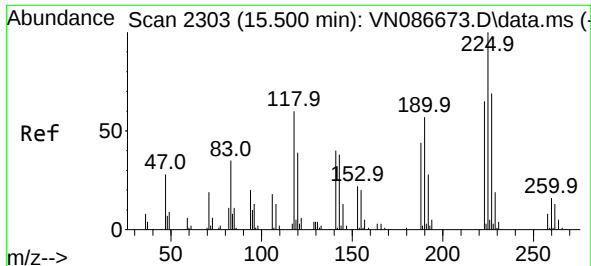
Ion Ratio Lower Upper

180 100

182 87.2 47.1 141.3

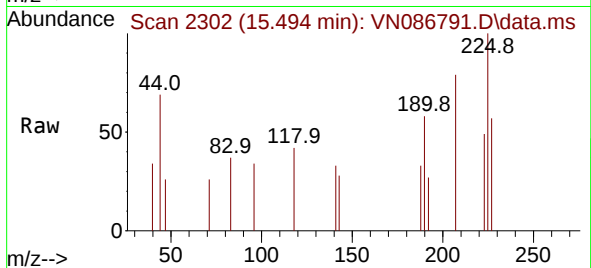
145 25.4 15.6 46.8



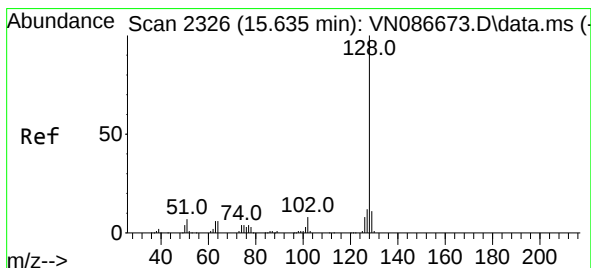
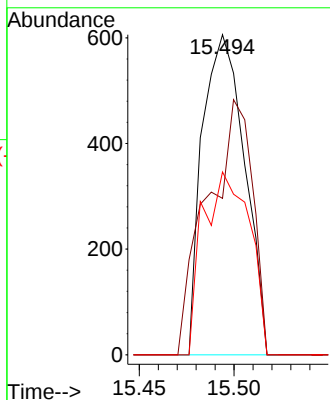
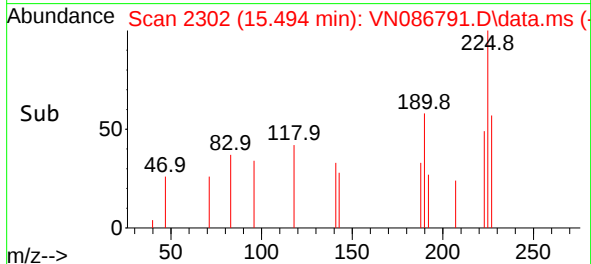


#94
Hexachlorobutadiene
Concen: 1.423 ug/l
RT: 15.494 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBL01

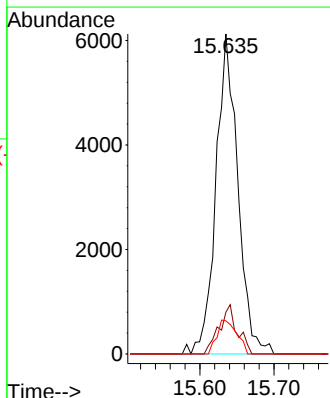
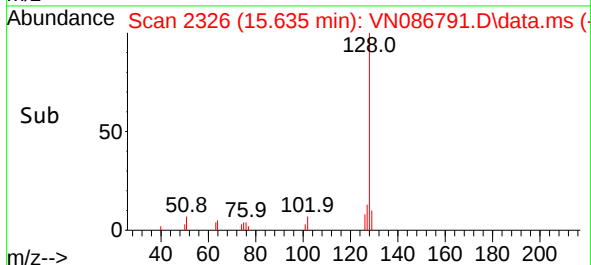
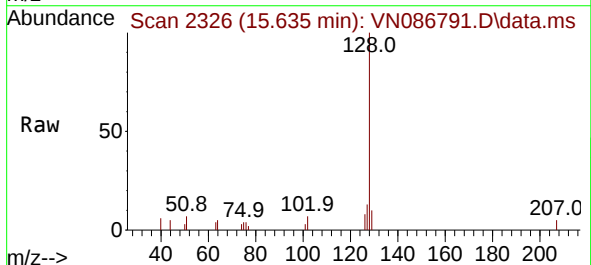


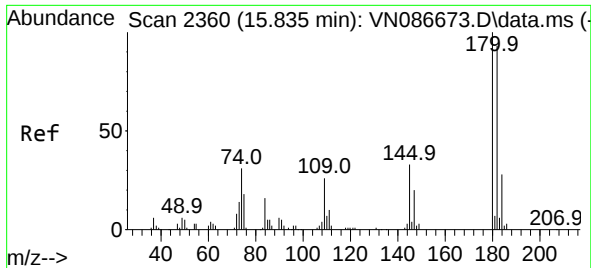
Tgt Ion:	225	Resp:	939
Ion Ratio	Lower	Upper	
225	100		
223	85.1	32.9	98.6
227	63.2	32.4	97.2



#95
Naphthalene
Concen: 2.276 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN086791.D
Acq: 28 May 2025 11:35

Tgt Ion:	128	Resp:	12568
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.1	15.1
129	9.6	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.535 ug/l
 RT: 15.835 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN086791.D
 Acq: 28 May 2025 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBL01

Tgt Ion:180 Resp: 2391
 Ion Ratio Lower Upper
 180 100
 182 99.7 47.0 141.2
 145 44.0 16.7 50.1

