

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
 Data File : VN087691.D
 Acq On : 28 Aug 2025 17:14
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Quant Time: Aug 29 03:22:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	187950	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	378770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	363839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	186178	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	186311	48.381	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.760%
35) Dibromofluoromethane	8.147	113	130956	47.887	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.780%
50) Toluene-d8	10.547	98	480365	46.931	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.860%
62) 4-Bromofluorobenzene	12.829	95	177533	48.772	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.540%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	137183	51.391	ug/l	96
3) Chloromethane	2.383	50	142867	52.079	ug/l	99
4) Vinyl Chloride	2.536	62	157518	49.522	ug/l	93
5) Bromomethane	2.965	94	87261	53.169	ug/l	91
6) Chloroethane	3.136	64	112360	50.260	ug/l	97
7) Trichlorofluoromethane	3.512	101	241989	51.927	ug/l	97
8) Diethyl Ether	3.965	74	103762	51.126	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	133340	50.567	ug/l	99
10) Methyl Iodide	4.577	142	83806	43.545	ug/l	98
11) Tert butyl alcohol	5.530	59	173048	258.850	ug/l	100
12) 1,1-Dichloroethene	4.336	96	137350	50.687	ug/l	96
13) Acrolein	4.177	56	213550	259.836	ug/l	98
14) Allyl chloride	5.012	41	221178	45.042	ug/l	95
15) Acrylonitrile	5.706	53	483799	256.601	ug/l	100
16) Acetone	4.424	43	474986	226.583	ug/l	99
17) Carbon Disulfide	4.700	76	343535	46.051	ug/l	100
18) Methyl Acetate	5.018	43	246176	56.087	ug/l #	77
19) Methyl tert-butyl Ether	5.789	73	513209	50.486	ug/l	99
20) Methylene Chloride	5.265	84	152311	50.238	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	141151	48.063	ug/l	98
22) Diisopropyl ether	6.659	45	551510	52.044	ug/l	98
23) Vinyl Acetate	6.594	43	2492873	258.572	ug/l	98
24) 1,1-Dichloroethane	6.559	63	284591	48.982	ug/l	98
25) 2-Butanone	7.471	43	703257	254.994	ug/l	97
26) 2,2-Dichloropropane	7.477	77	213966	42.907	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	174172	49.609	ug/l	100
28) Bromochloromethane	7.794	49	137887	49.090	ug/l	99
29) Tetrahydrofuran	7.824	42	460035	259.190	ug/l	100
30) Chloroform	7.953	83	304175	51.291	ug/l	96
31) Cyclohexane	8.235	56	225093	46.472	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	250736	49.890	ug/l	98
36) 1,1-Dichloropropene	8.353	75	196618	46.865	ug/l	99
37) Ethyl Acetate	7.547	43	275882	48.122	ug/l	97
38) Carbon Tetrachloride	8.341	117	205351	49.575	ug/l	91
39) Methylcyclohexane	9.582	83	209776	45.417	ug/l	99
40) Benzene	8.588	78	625658	48.622	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	152356	51.304	ug/l	98
42) 1,2-Dichloroethane	8.653	62	245641	49.676	ug/l	99
43) Isopropyl Acetate	8.671	43	456558	51.009	ug/l	99
44) Trichloroethene	9.335	130	139111	47.351	ug/l	97
45) 1,2-Dichloropropane	9.600	63	163473	48.196	ug/l	100
46) Dibromomethane	9.688	93	121633	50.393	ug/l	99
47) Bromodichloromethane	9.871	83	252979	51.140	ug/l	95
48) Methyl methacrylate	9.665	41	212666	50.232	ug/l	100
49) 1,4-Dioxane	9.682	88	56896	1036.844	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	1455423	269.510	ug/l	99
52) Toluene	10.612	92	394793	49.489	ug/l	100
53) t-1,3-Dichloropropene	10.818	75	260074	50.792	ug/l	99
54) cis-1,3-Dichloropropene	10.294	75	263661	49.592	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	155939	50.531	ug/l	96
56) Ethyl methacrylate	10.859	69	264858	53.704	ug/l	98
57) 1,3-Dichloropropane	11.141	76	275125	50.375	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	708185	265.302	ug/l	99
59) 2-Hexanone	11.176	43	975045	285.689	ug/l	100
60) Dibromochloromethane	11.335	129	181744	50.827	ug/l	100
61) 1,2-Dibromoethane	11.447	107	167067	51.342	ug/l	100
64) Tetrachloroethene	11.082	164	111277	44.083	ug/l	93
65) Chlorobenzene	11.870	112	428404	47.328	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.941	131	152159	50.634	ug/l	99
67) Ethyl Benzene	11.941	91	764772	48.797	ug/l	99
68) m/p-Xylenes	12.047	106	574771	99.999	ug/l	99
69) o-Xylene	12.376	106	274980	48.818	ug/l	97
70) Styrene	12.388	104	484338	51.324	ug/l	99
71) Bromoform	12.559	173	118698	51.503	ug/l #	97
73) Isopropylbenzene	12.670	105	716172	47.604	ug/l	100
74) N-amyl acetate	12.500	43	147473	25.866	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.917	83	257885	49.789	ug/l	98
76) 1,2,3-Trichloropropane	12.970	75	333637	76.418	ug/l	61
77) Bromobenzene	12.959	156	166614	46.970	ug/l	96
78) n-propylbenzene	13.012	91	897604	48.438	ug/l	100
79) 2-Chlorotoluene	13.100	91	540041	48.427	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	607400	47.592	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.717	75	78691	47.716	ug/l	88
82) 4-Chlorotoluene	13.200	91	556759	47.486	ug/l	99
83) tert-Butylbenzene	13.412	119	518525	48.756	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	631932	49.463	ug/l	100
85) sec-Butylbenzene	13.594	105	760632	48.195	ug/l	99
86) p-Isopropyltoluene	13.706	119	634702	48.702	ug/l	100
87) 1,3-Dichlorobenzene	13.712	146	334836	47.933	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	338533	46.569	ug/l	99
89) n-Butylbenzene	14.035	91	612782	47.344	ug/l	100
90) Hexachloroethane	14.311	117	124577	50.174	ug/l	98
91) 1,2-Dichlorobenzene	14.082	146	325243	49.077	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	58475	47.524	ug/l	96
93) 1,2,4-Trichlorobenzene	15.370	180	189009	47.495	ug/l	98
94) Hexachlorobutadiene	15.476	225	64274	45.304	ug/l	98
95) Naphthalene	15.611	128	693915	49.229	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	181640	46.689	ug/l	99

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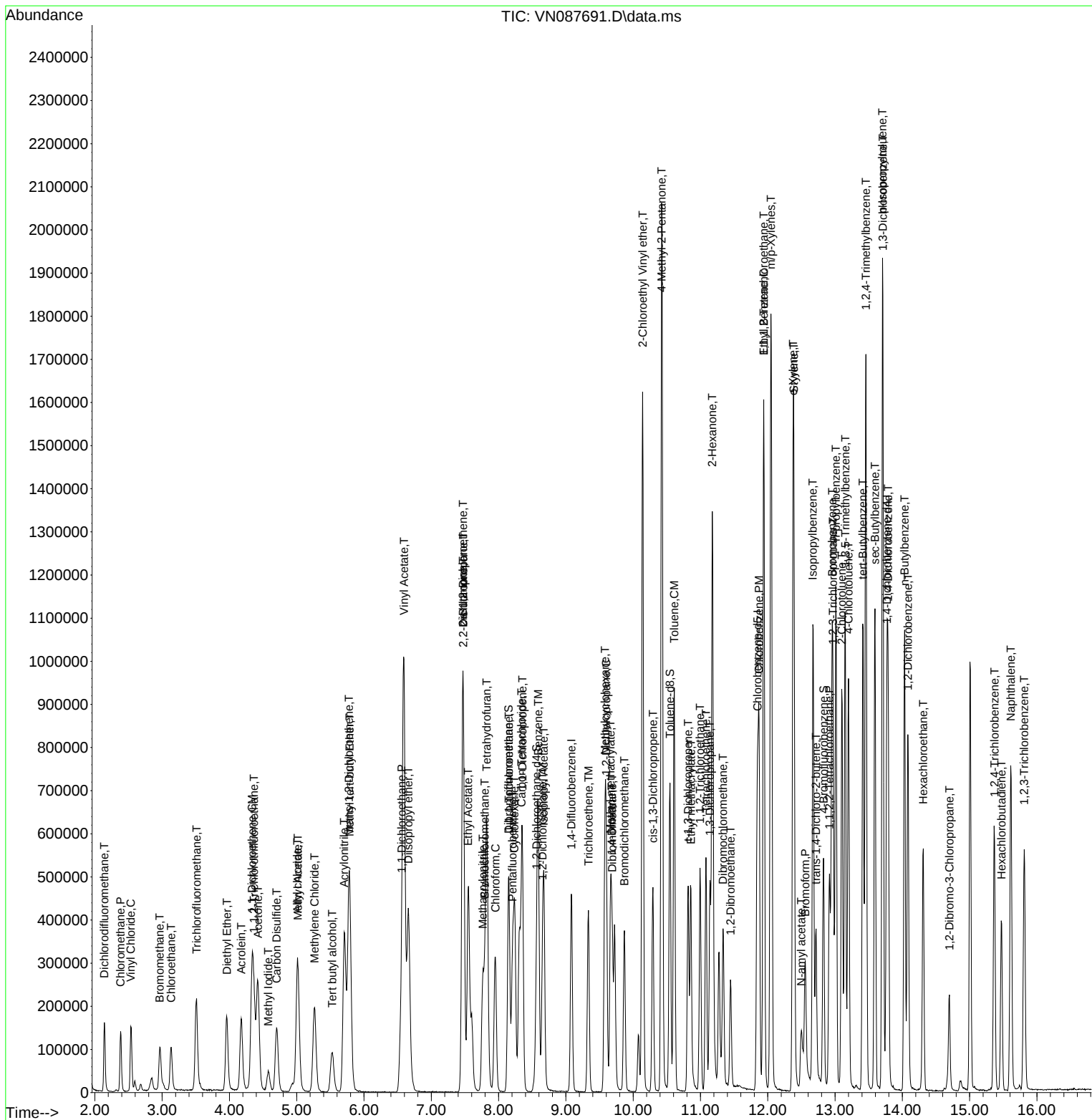
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ClientSampleId :
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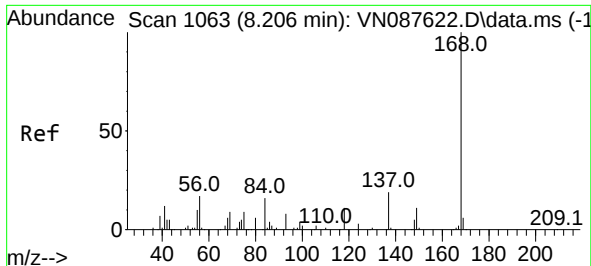
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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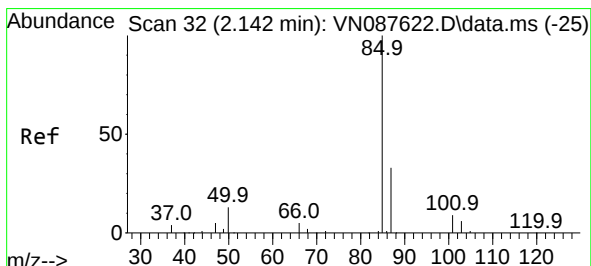
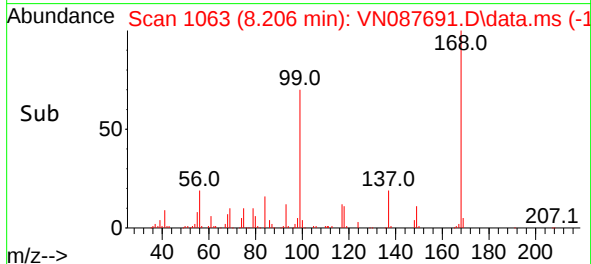
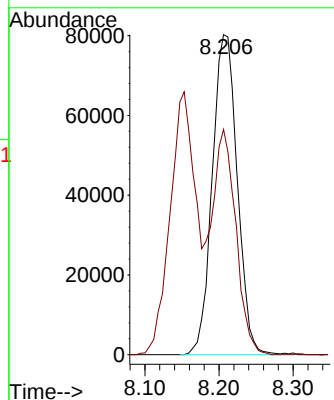
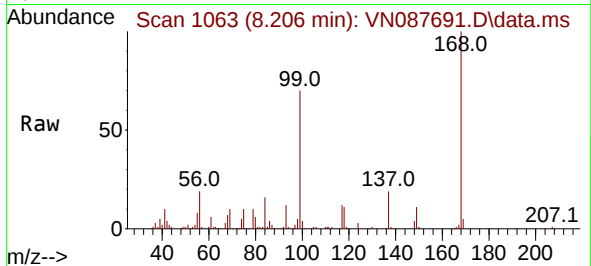




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
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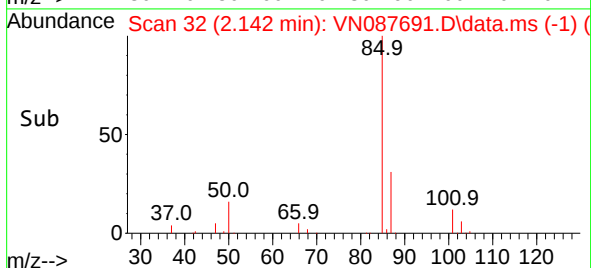
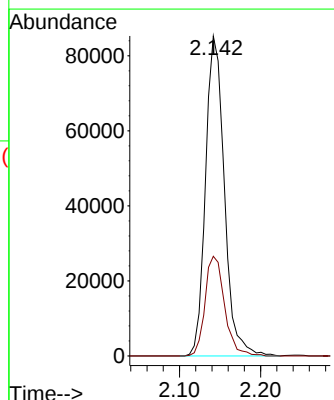
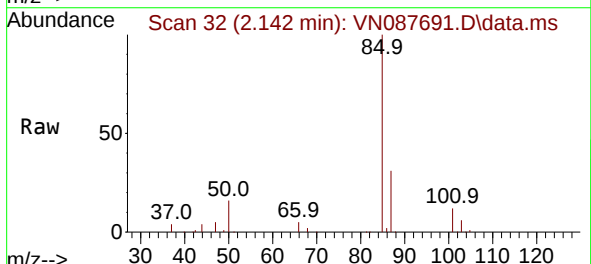
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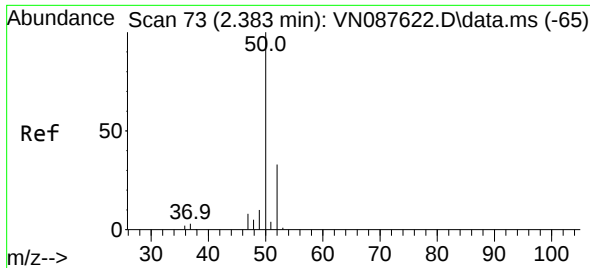
Tgt Ion:168 Resp: 187950
Ion Ratio Lower Upper
168 100
99 70.4 57.2 85.8



#2
Dichlorodifluoromethane
Concen: 51.391 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 85 Resp: 137183
Ion Ratio Lower Upper
85 100
87 31.1 16.6 49.8

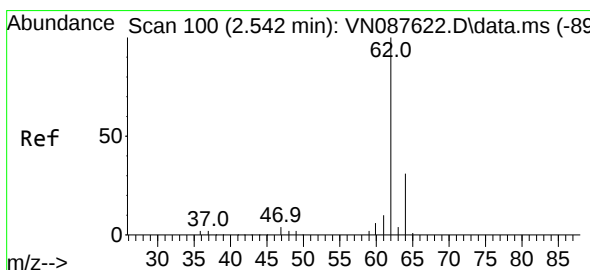
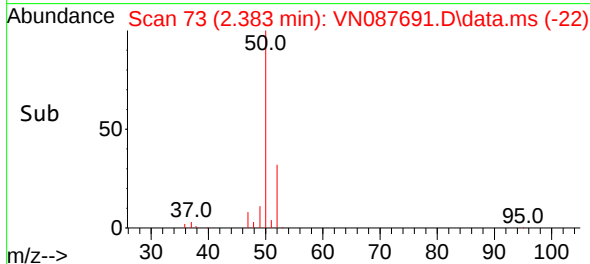
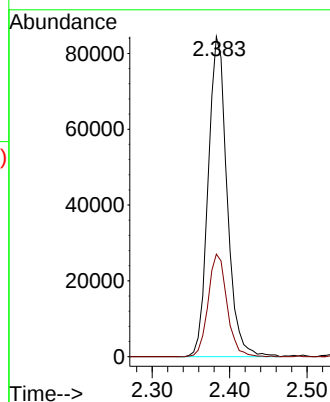
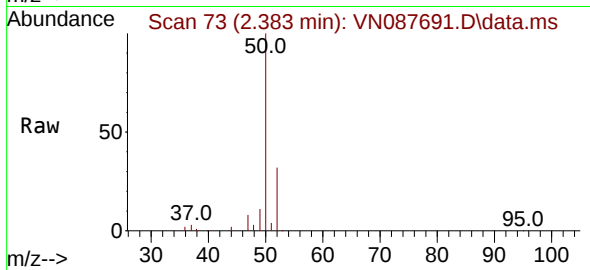




#3
Chloromethane
Concen: 52.079 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN087691.D
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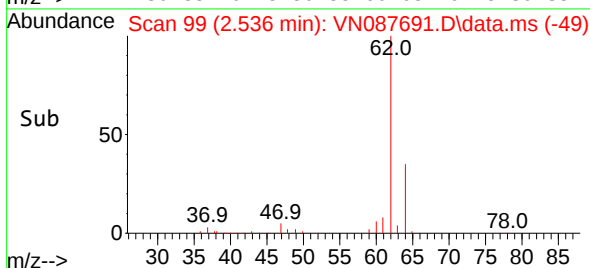
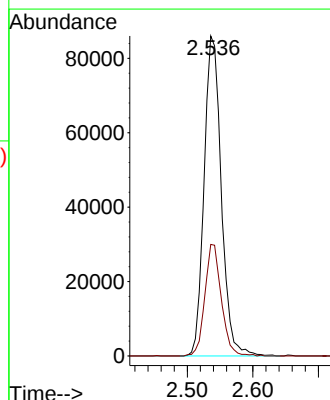
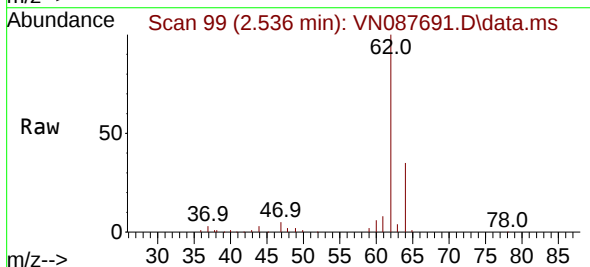
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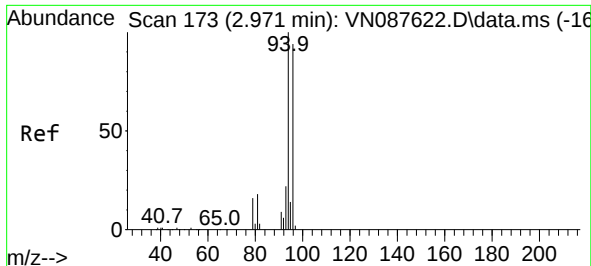
Tgt Ion: 50 Resp: 142867
Ion Ratio Lower Upper
50 100
52 32.1 26.2 39.4



#4
Vinyl Chloride
Concen: 49.522 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 62 Resp: 157518
Ion Ratio Lower Upper
62 100
64 34.9 24.6 37.0

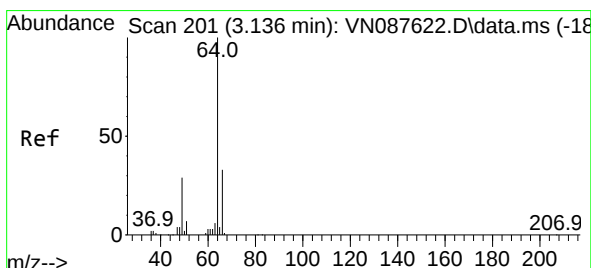
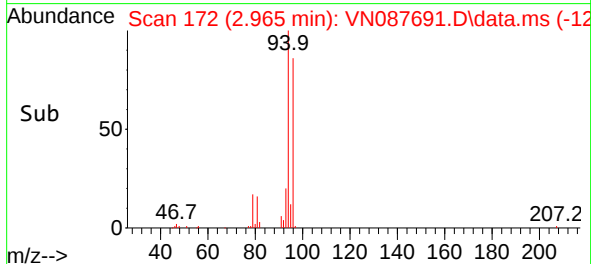
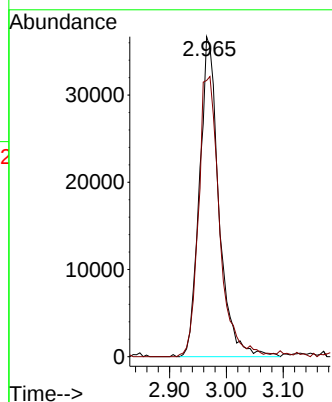
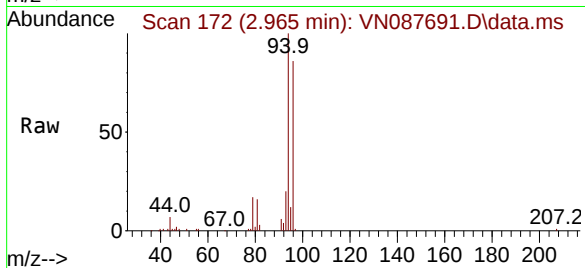




#5
Bromomethane
Concen: 53.169 ug/l
RT: 2.965 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087691.D
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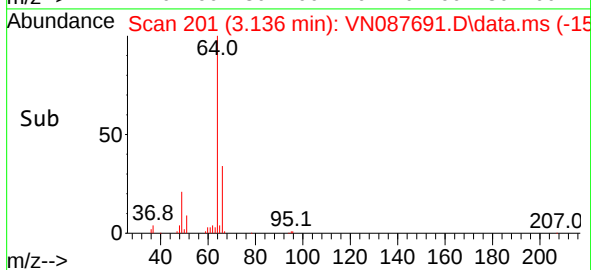
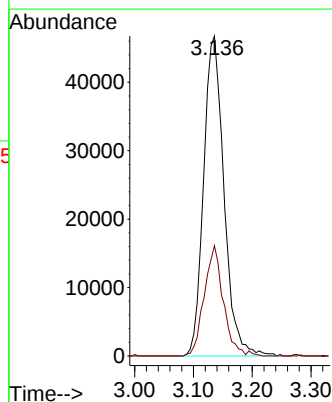
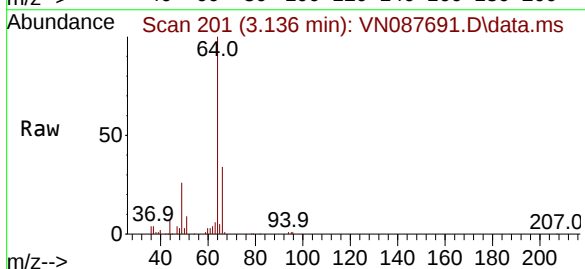
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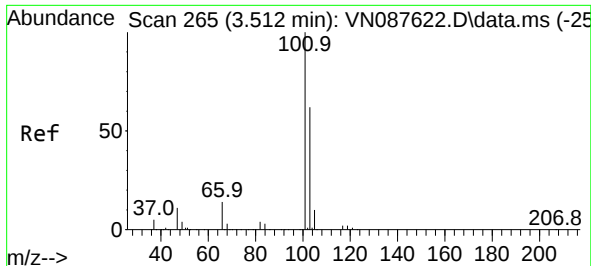
Tgt Ion: 94 Resp: 87261
Ion Ratio Lower Upper
94 100
96 85.6 75.4 113.2



#6
Chloroethane
Concen: 50.260 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 64 Resp: 112360
Ion Ratio Lower Upper
64 100
66 34.4 26.2 39.2

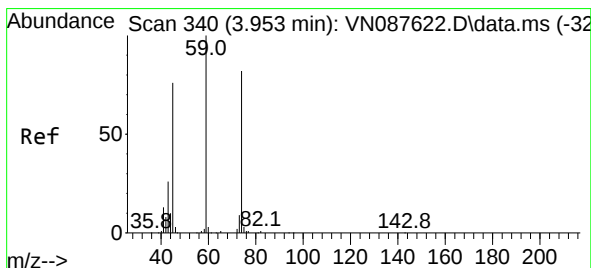
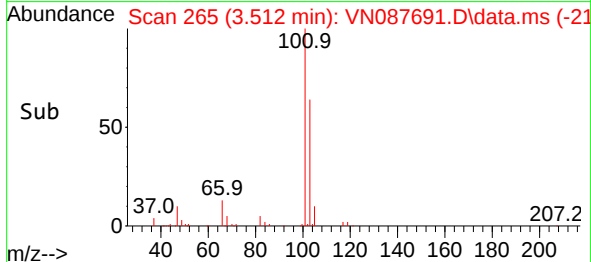
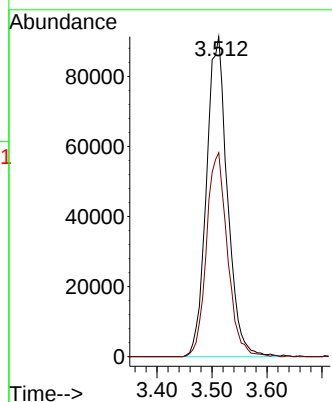
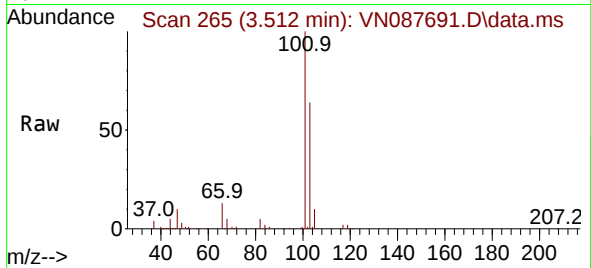




#7
 Trichlorofluoromethane
 Concen: 51.927 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

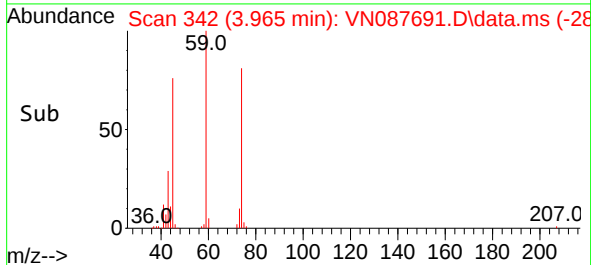
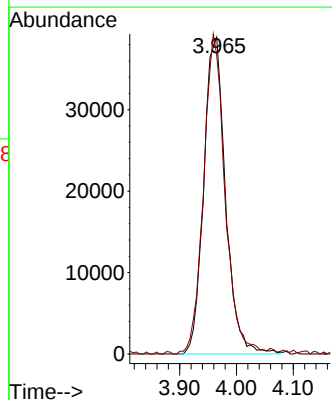
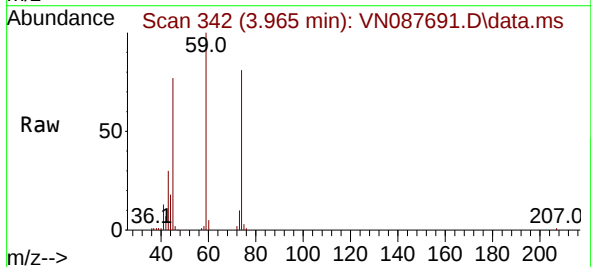
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:101 Resp: 241989
 Ion Ratio Lower Upper
 101 100
 103 63.7 49.4 74.0



#8
 Diethyl Ether
 Concen: 51.126 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.012 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

Tgt Ion: 74 Resp: 103762
 Ion Ratio Lower Upper
 74 100
 45 99.5 50.6 151.9

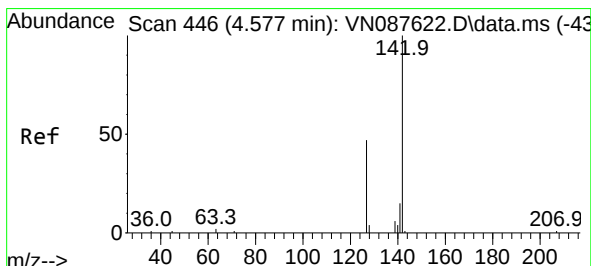
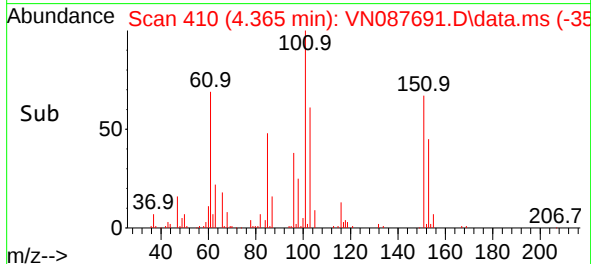
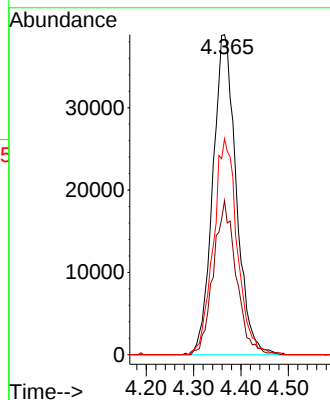
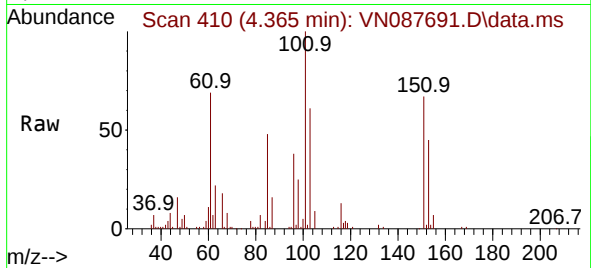




#9
1,1,2-Trichlorotrifluoroethane
Concen: 50.567 ug/l
RT: 4.365 min Scan# 410
Delta R.T. -0.000 min
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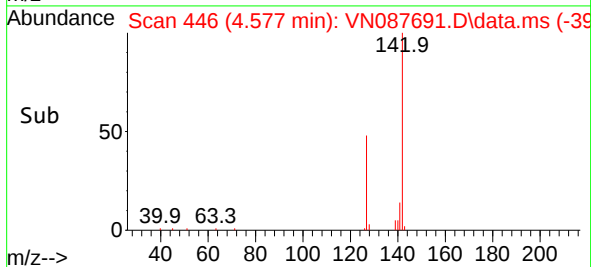
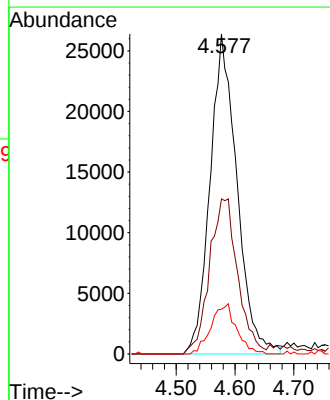
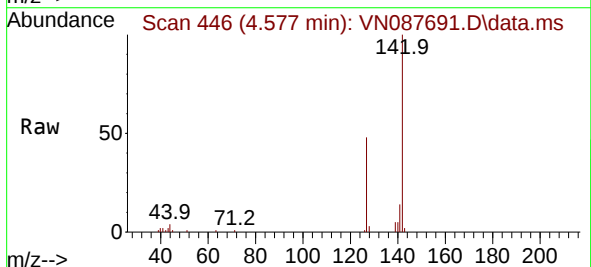
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

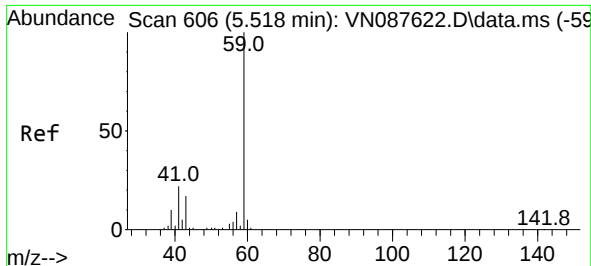
Tgt Ion:101 Resp: 133340
Ion Ratio Lower Upper
101 100
85 46.9 36.6 55.0
151 69.0 54.7 82.1



#10
Methyl Iodide
Concen: 43.545 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion:142 Resp: 83806
Ion Ratio Lower Upper
142 100
127 48.4 38.0 57.0
141 14.0 12.0 18.0

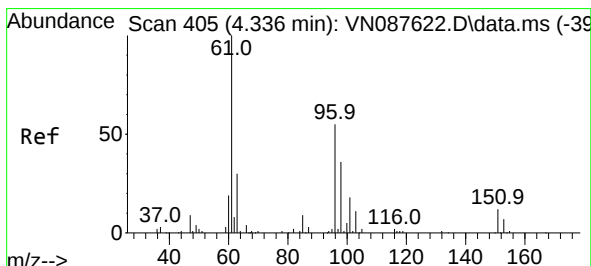
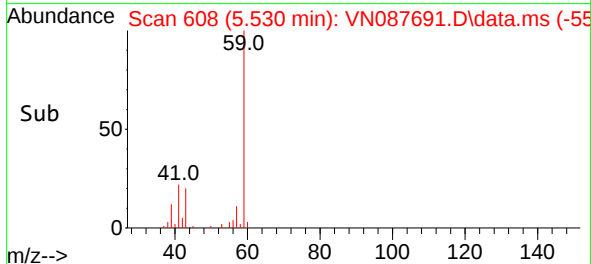
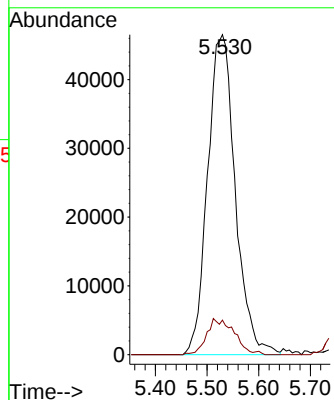
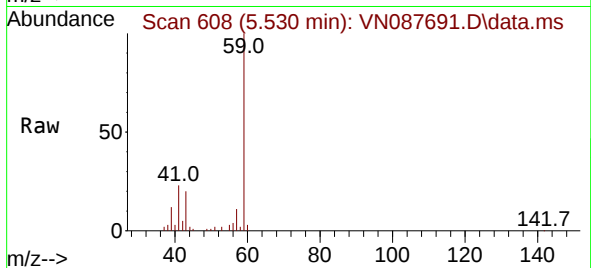




#11
Tert butyl alcohol
Concen: 258.850 ug/l
RT: 5.530 min Scan# 606
Delta R.T. 0.012 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

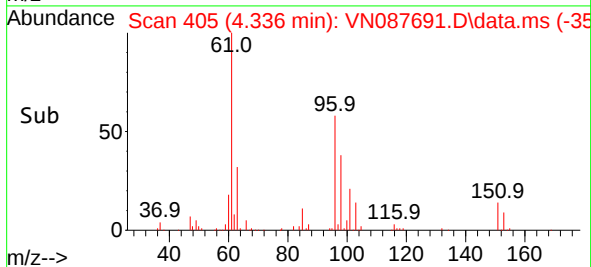
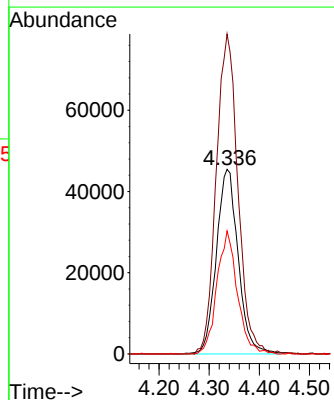
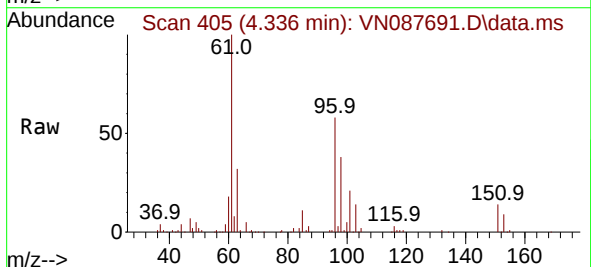
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

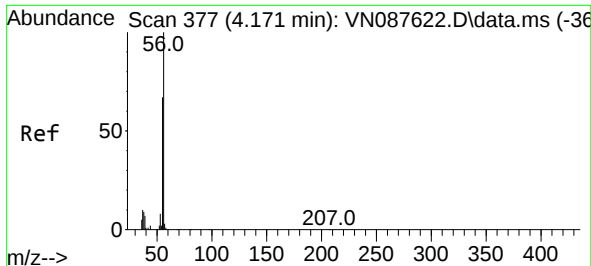
Tgt Ion: 59 Resp: 173048
Ion Ratio Lower Upper
59 100
57 11.0 9.0 13.4



#12
1,1-Dichloroethene
Concen: 50.687 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 96 Resp: 137350
Ion Ratio Lower Upper
96 100
61 173.4 143.8 215.8
98 66.7 52.1 78.1

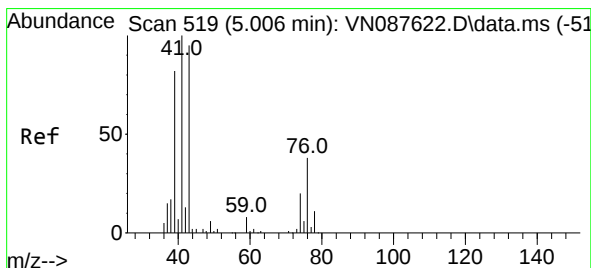
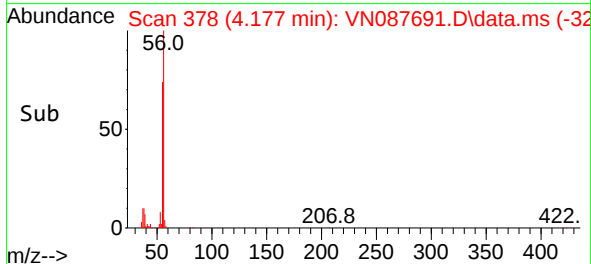
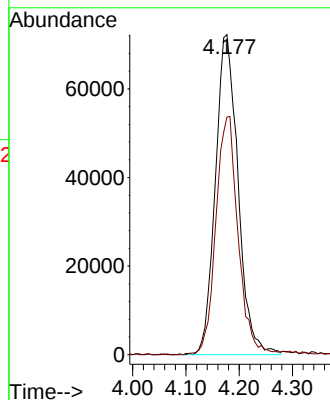
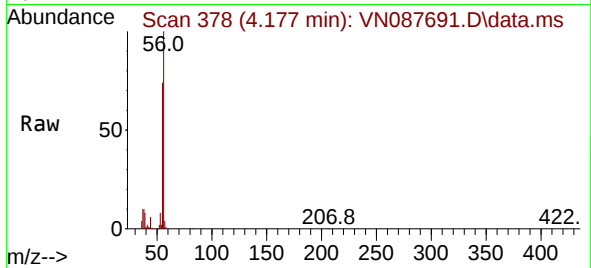




#13
Acrolein
Concen: 259.836 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

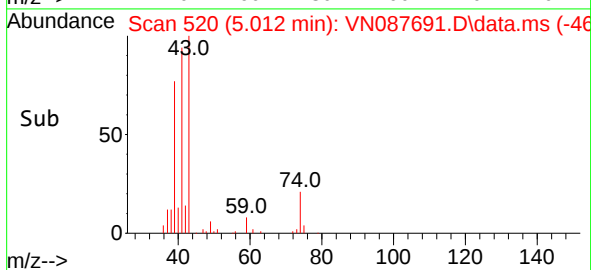
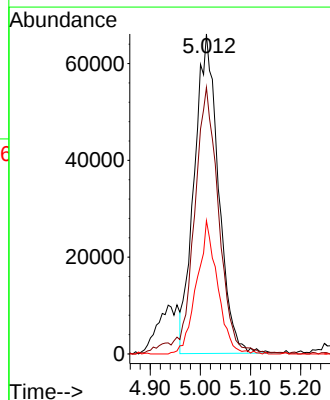
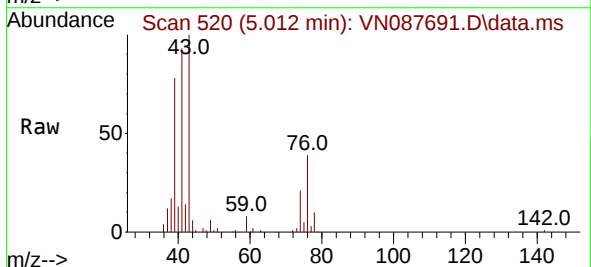
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 213550
Ion Ratio Lower Upper
56 100
55 72.9 57.3 85.9



#14
Allyl chloride
Concen: 45.042 ug/l
RT: 5.012 min Scan# 520
Delta R.T. 0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 41 Resp: 221178
Ion Ratio Lower Upper
41 100
39 85.1 63.9 95.9
76 36.1 28.1 42.1

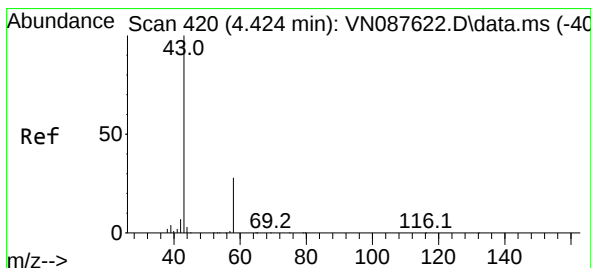
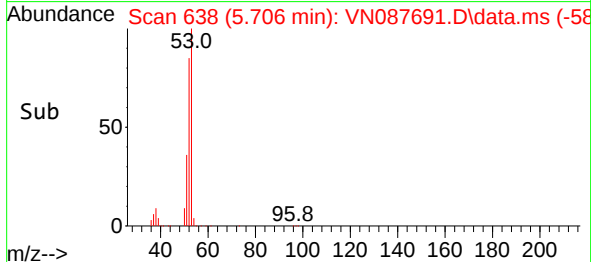
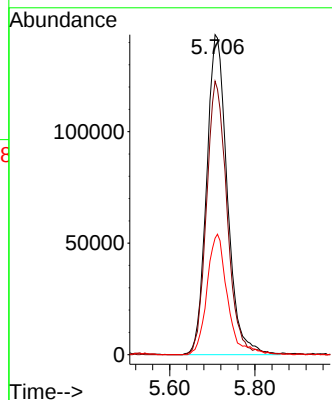
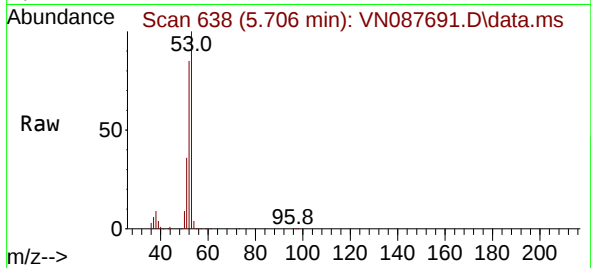




#15
Acrylonitrile
Concen: 256.601 ug/l
RT: 5.706 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

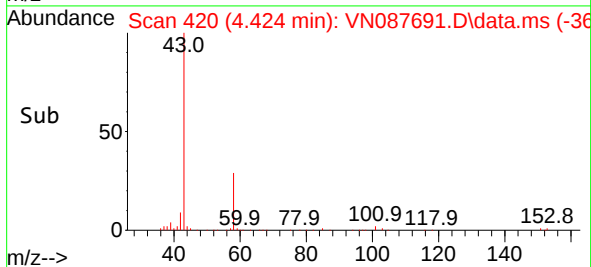
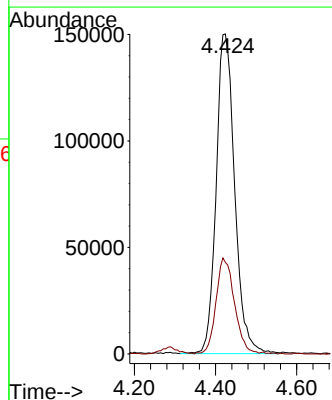
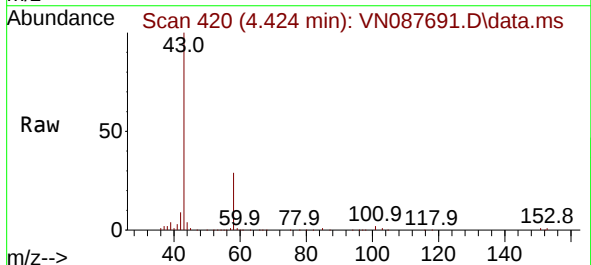
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

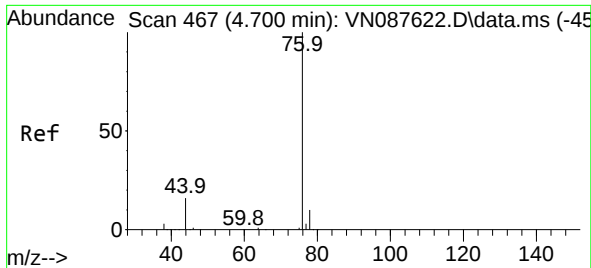
Tgt Ion: 53 Resp: 483799
Ion Ratio Lower Upper
53 100
52 85.0 67.6 101.4
51 37.5 30.1 45.1



#16
Acetone
Concen: 226.583 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 43 Resp: 474986
Ion Ratio Lower Upper
43 100
58 28.5 22.6 33.8

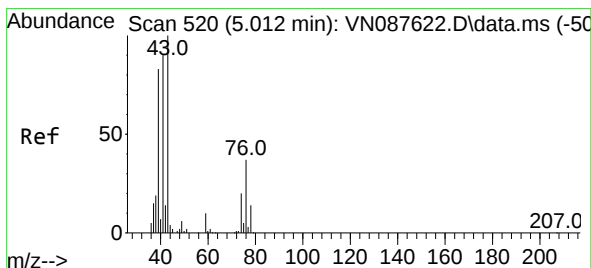
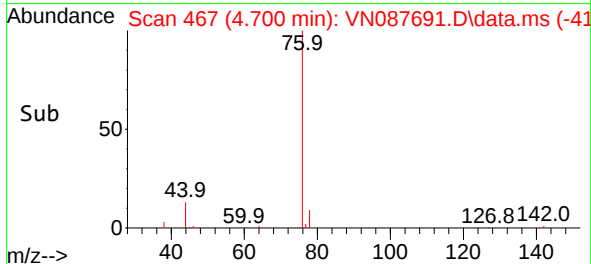
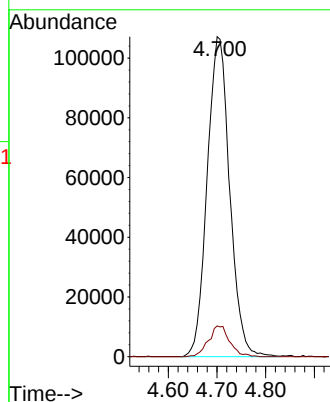
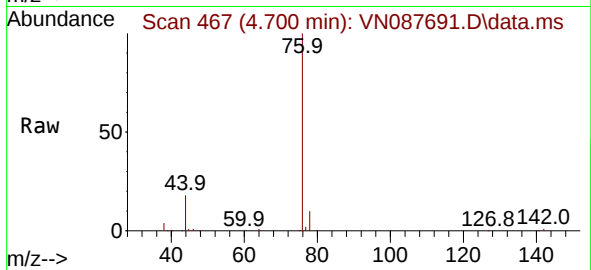




#17
Carbon Disulfide
Concen: 46.051 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

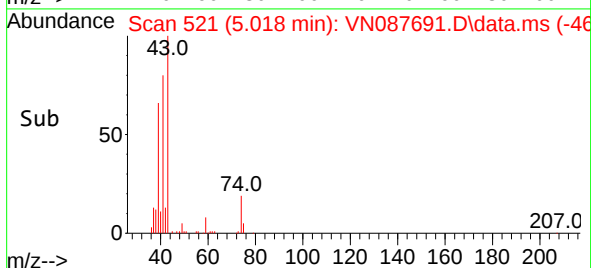
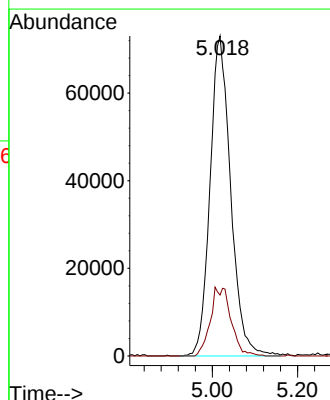
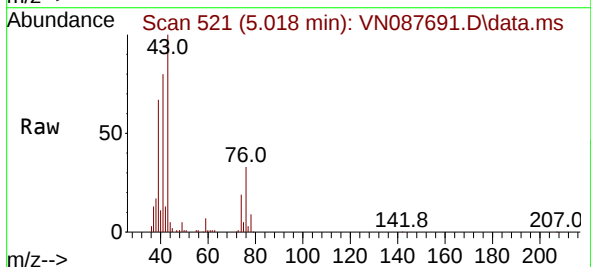
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

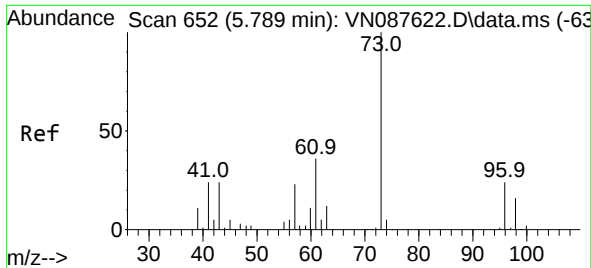
Tgt Ion: 76 Resp: 343535
Ion Ratio Lower Upper
76 100
78 9.6 7.6 11.4



#18
Methyl Acetate
Concen: 56.087 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 43 Resp: 246176
Ion Ratio Lower Upper
43 100
74 10.8 17.6 26.4#

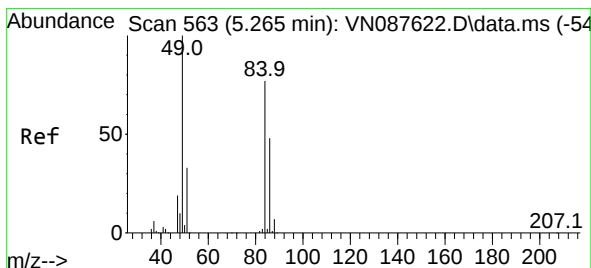
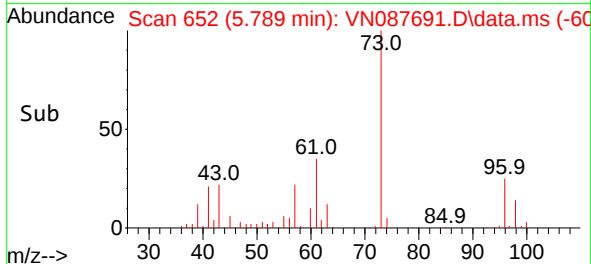
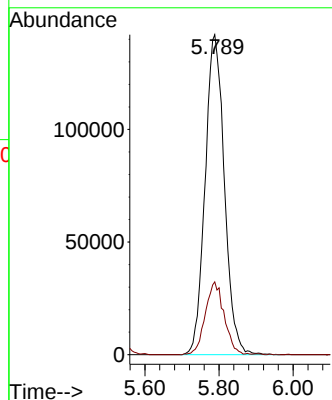
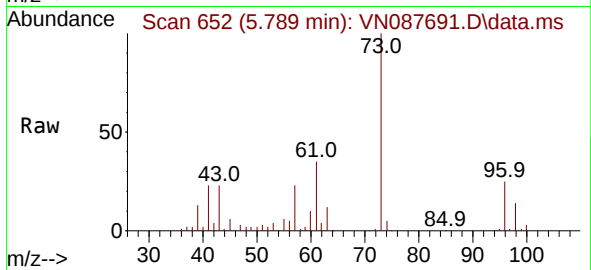




#19
Methyl tert-butyl Ether
Concen: 50.486 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

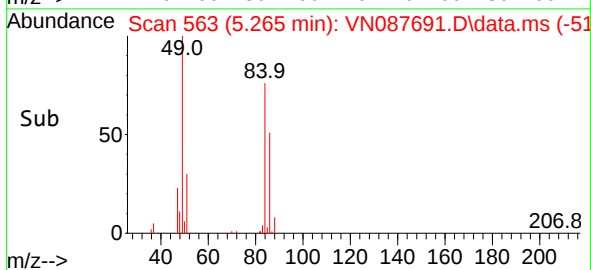
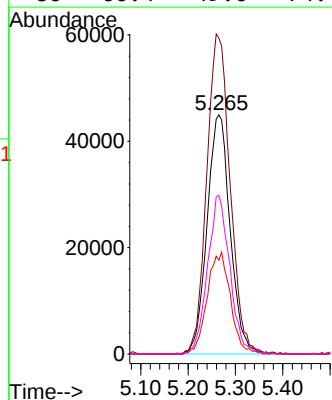
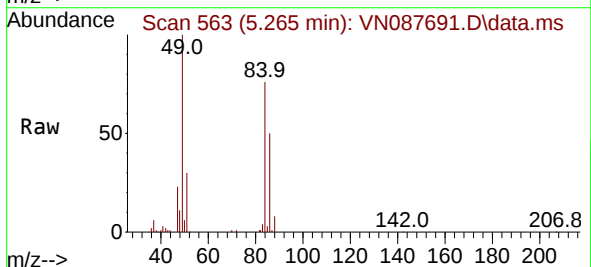
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 513209
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6



#20
Methylene Chloride
Concen: 50.238 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 84 Resp: 152311
Ion Ratio Lower Upper
84 100
49 132.2 103.4 155.2
51 39.2 33.8 50.8
86 66.4 49.6 74.4

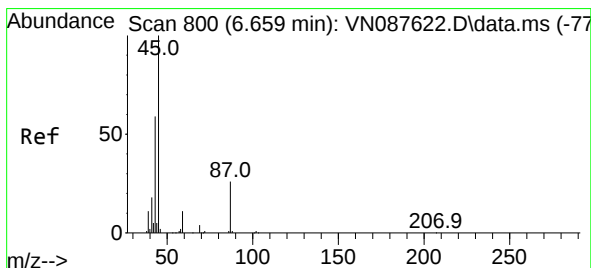
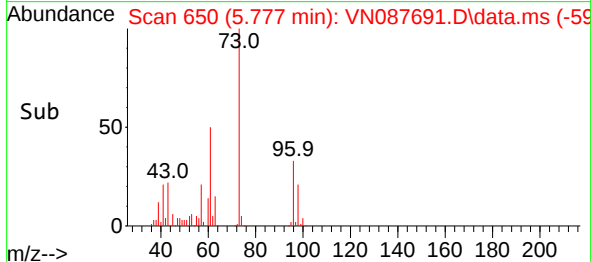
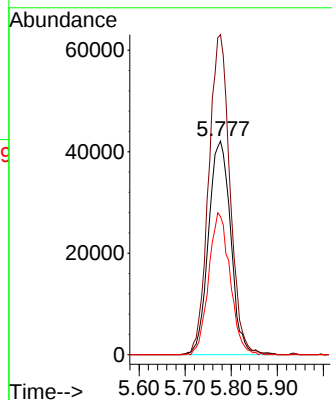
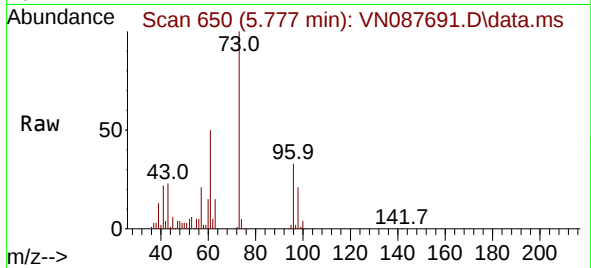




#21
trans-1,2-Dichloroethene
Concen: 48.063 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

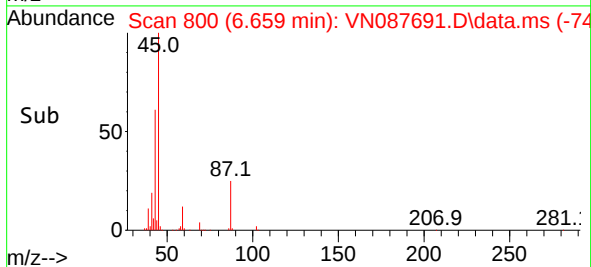
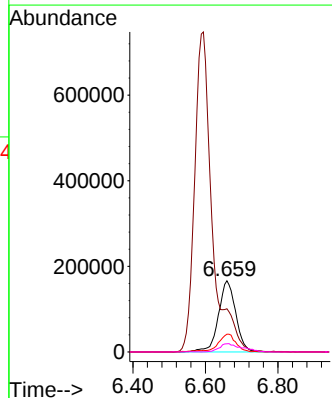
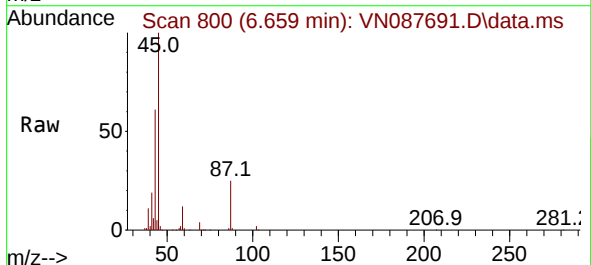
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

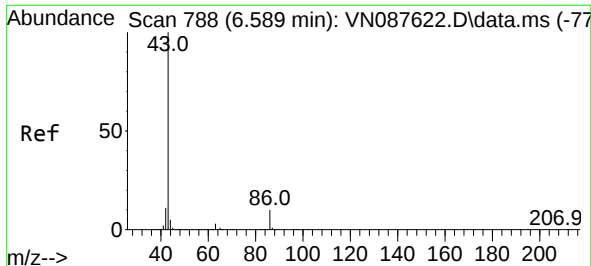
Tgt Ion: 96 Resp: 141151
Ion Ratio Lower Upper
96 100
61 149.9 118.0 177.0
98 64.7 50.0 75.0



#22
Diisopropyl ether
Concen: 52.044 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 45 Resp: 551510
Ion Ratio Lower Upper
45 100
43 60.2 47.7 71.5
87 25.1 21.4 32.0
59 11.5 8.7 13.1

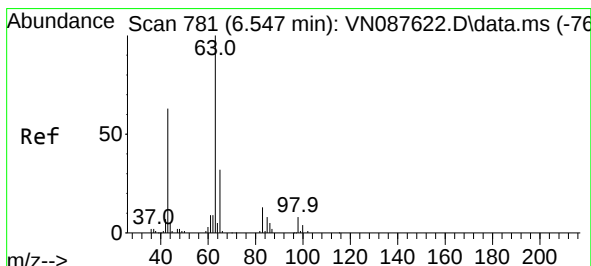
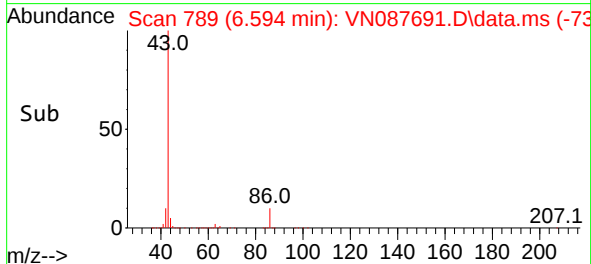
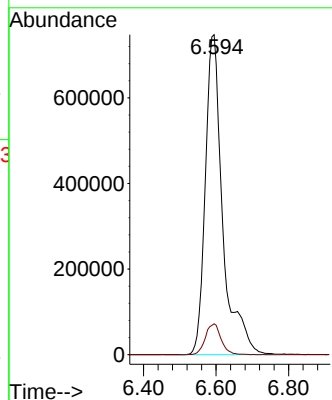
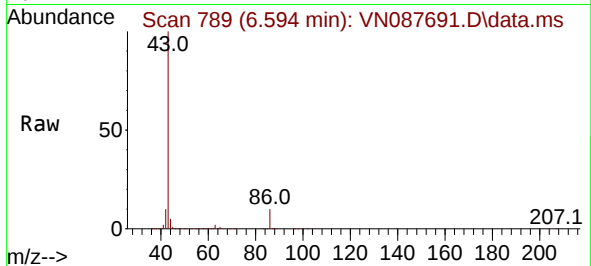




#23
 Vinyl Acetate
 Concen: 258.572 ug/l
 RT: 6.594 min Scan# 789
 Delta R.T. 0.006 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

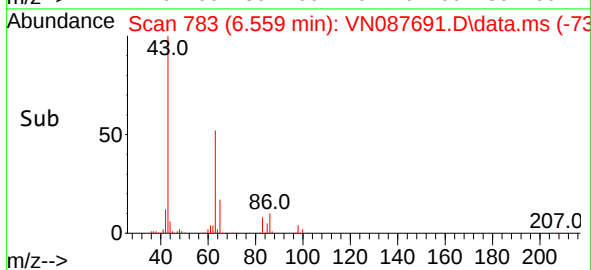
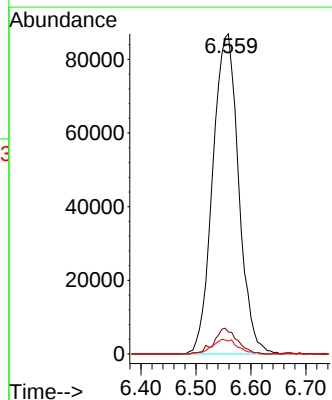
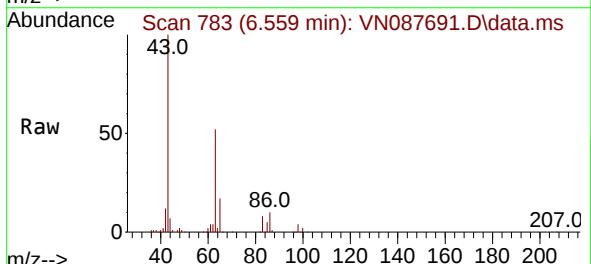
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 2492873
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 48.982 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. 0.012 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

Tgt Ion: 63 Resp: 284591
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.8 11.4
 100 4.1 2.0 6.0

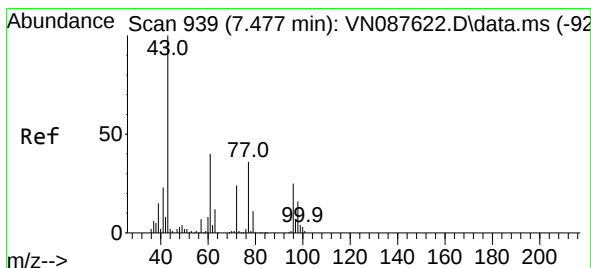
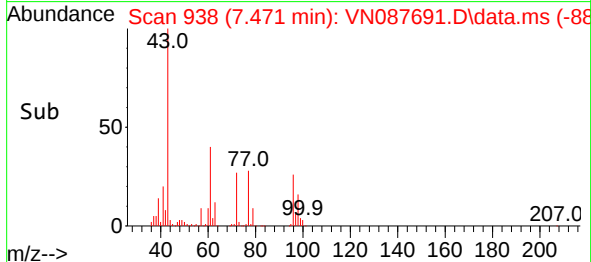
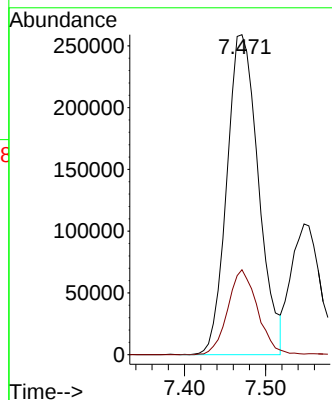
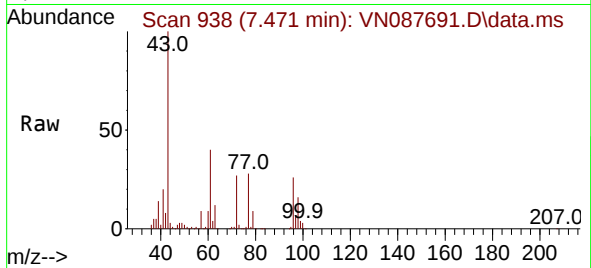




#25
2-Butanone
Concen: 254.994 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

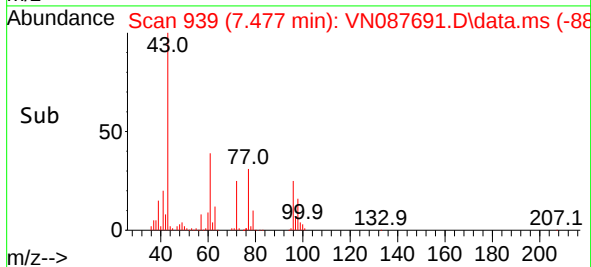
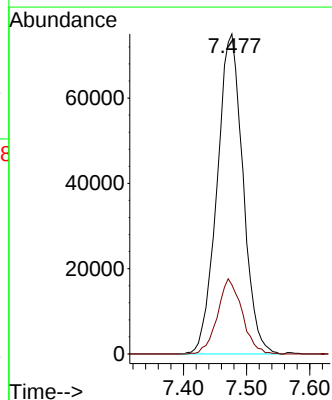
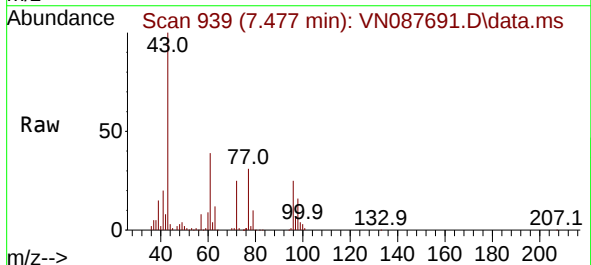
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 703257
Ion Ratio Lower Upper
43 100
72 26.5 19.9 29.9



#26
2,2-Dichloropropane
Concen: 42.907 ug/l
RT: 7.477 min Scan# 939
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 77 Resp: 213966
Ion Ratio Lower Upper
77 100
97 22.3 10.9 32.7

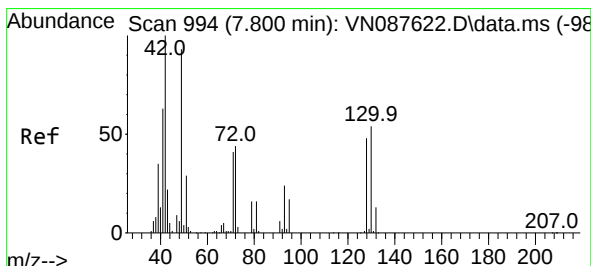
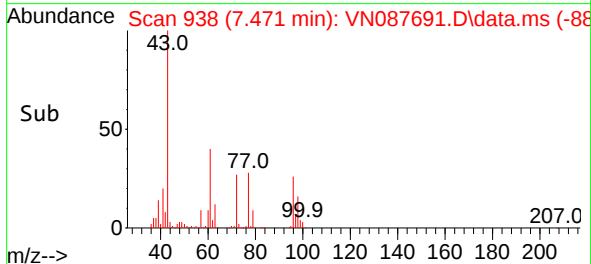
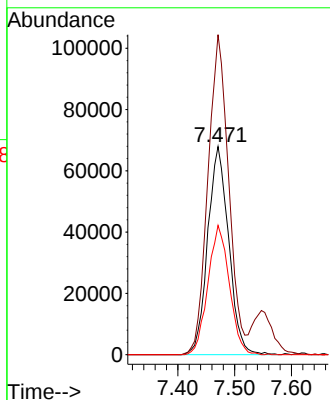
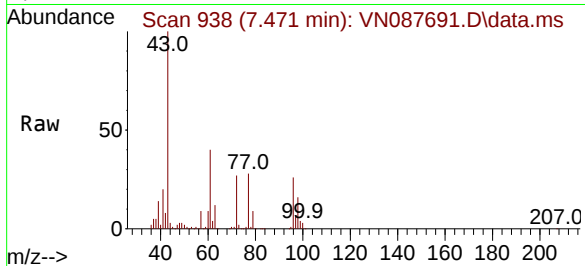




#27
 cis-1,2-Dichloroethene
 Concen: 49.609 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

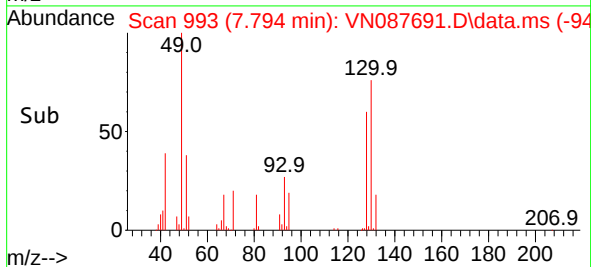
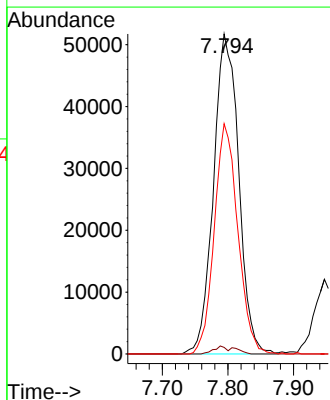
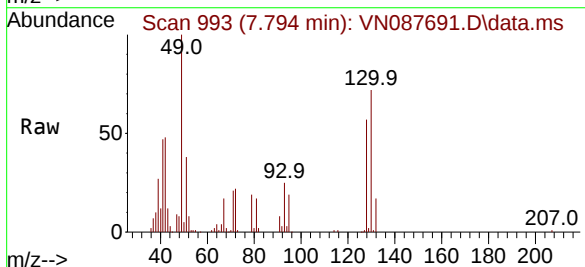
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 96 Resp: 174172
 Ion Ratio Lower Upper
 96 100
 61 151.4 0.0 301.8
 98 63.4 0.0 126.2



#28
 Bromochloromethane
 Concen: 49.090 ug/l
 RT: 7.794 min Scan# 993
 Delta R.T. -0.006 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

Tgt Ion: 49 Resp: 137887
 Ion Ratio Lower Upper
 49 100
 129 1.2 0.0 3.0
 130 67.3 53.1 79.7





#29

Tetrahydrofuran

Concen: 259.190 ug/l

RT: 7.824 min Scan# 998

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

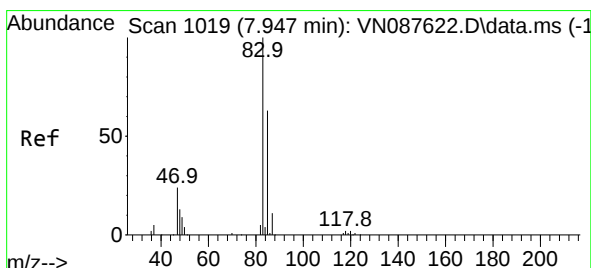
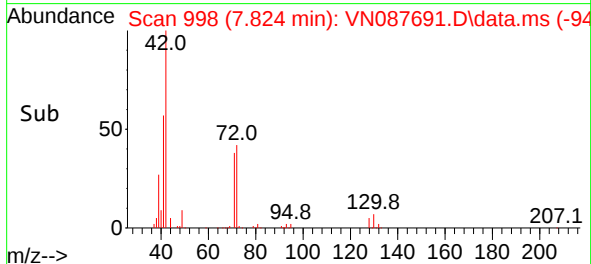
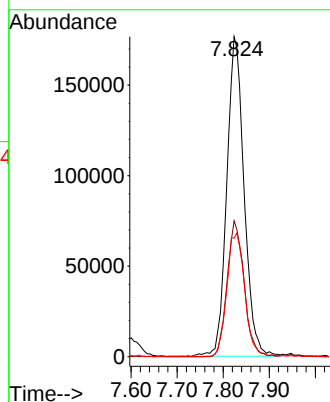
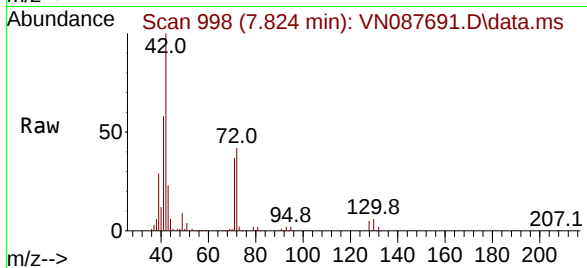
Tgt Ion: 42 Resp: 460035

Ion Ratio Lower Upper

42 100

72 41.6 33.7 50.5

71 39.9 31.9 47.9



#30

Chloroform

Concen: 51.291 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. 0.006 min

Lab File: VN087691.D

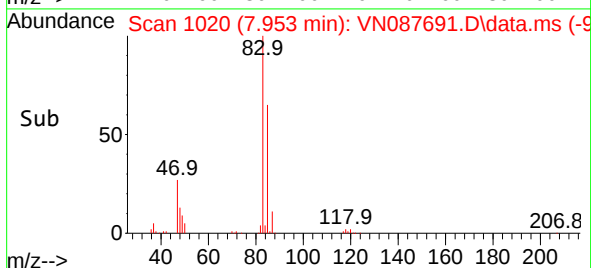
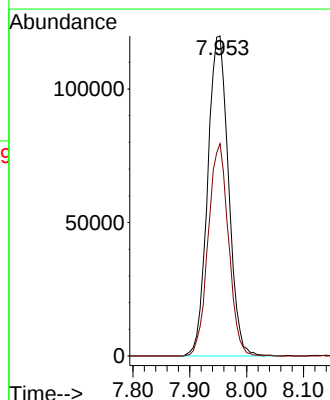
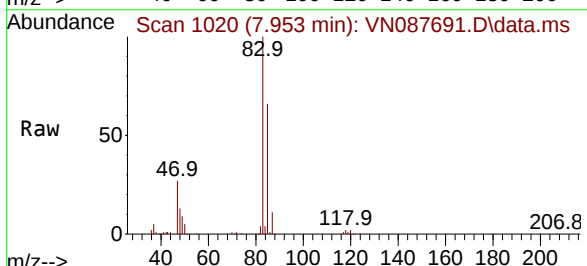
Acq: 28 Aug 2025 17:14

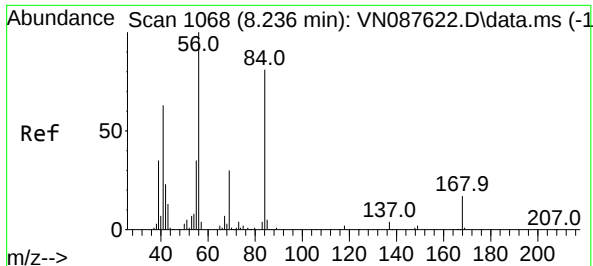
Tgt Ion: 83 Resp: 304175

Ion Ratio Lower Upper

83 100

85 66.3 50.7 76.1

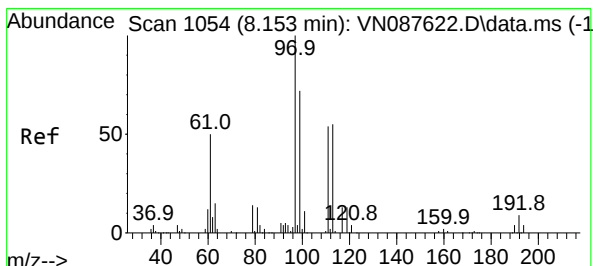
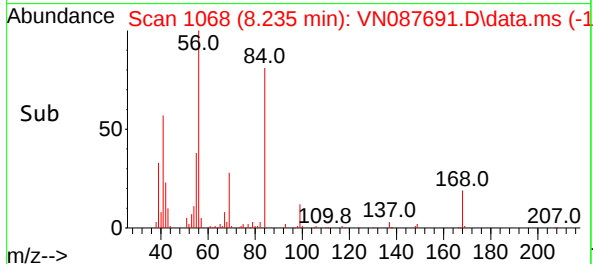
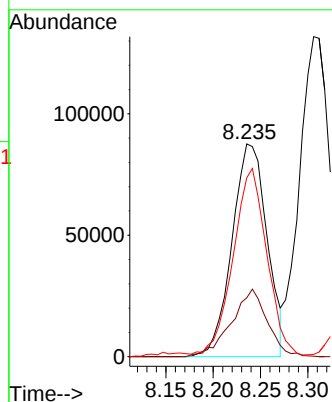
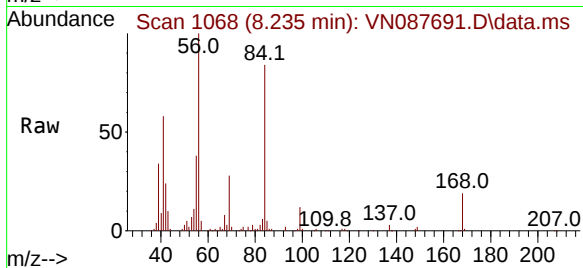




#31
Cyclohexane
Concen: 46.472 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

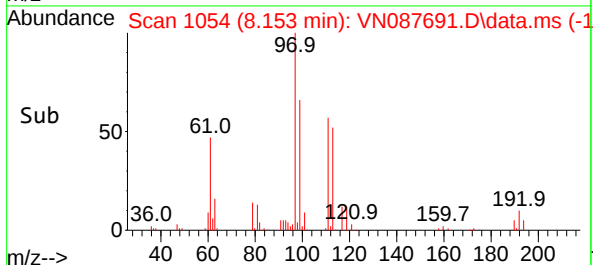
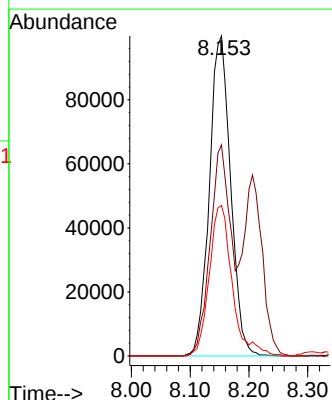
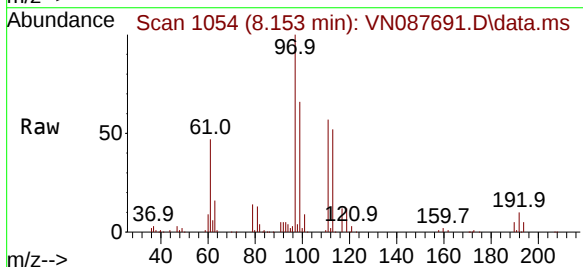
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

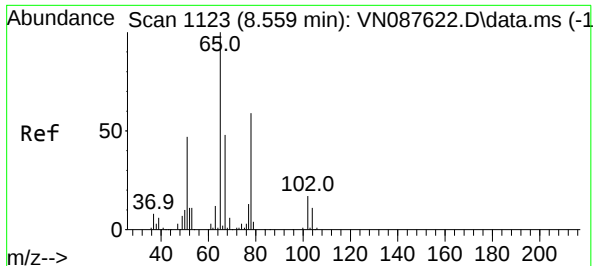
Tgt Ion: 56 Resp: 225093
Ion Ratio Lower Upper
56 100
69 27.7 23.7 35.5
84 82.3 64.7 97.1



#32
1,1,1-Trichloroethane
Concen: 49.890 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 97 Resp: 250736
Ion Ratio Lower Upper
97 100
99 62.5 52.2 78.2
61 50.8 41.2 61.8





#33

1,2-Dichloroethane-d4

Concen: 48.381 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

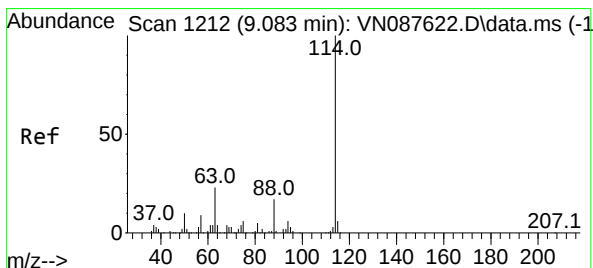
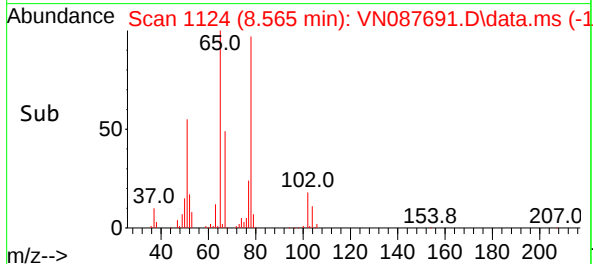
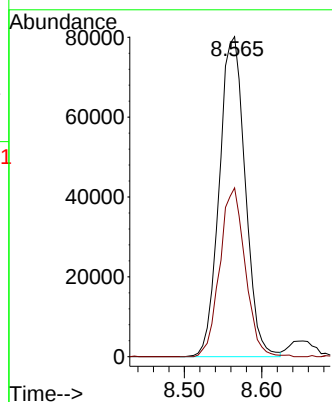
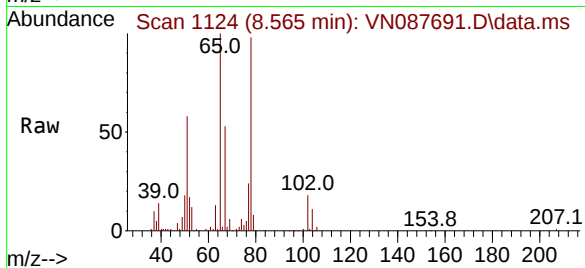
VSTDCCC050EC

Tgt Ion: 65 Resp: 186311

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

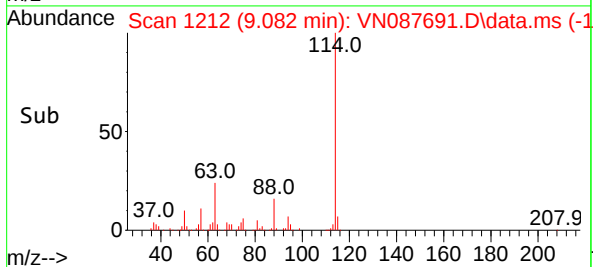
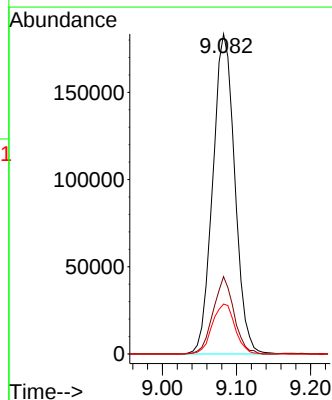
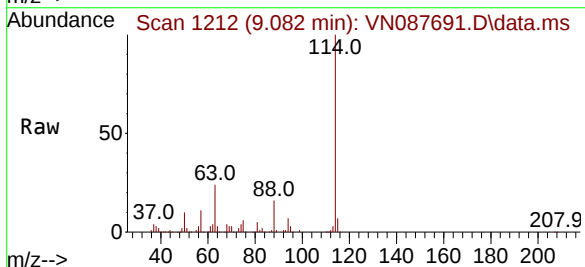
Tgt Ion: 114 Resp: 378770

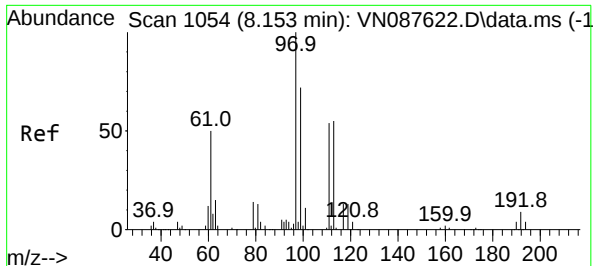
Ion Ratio Lower Upper

114 100

63 24.1 0.0 45.2

88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.887 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

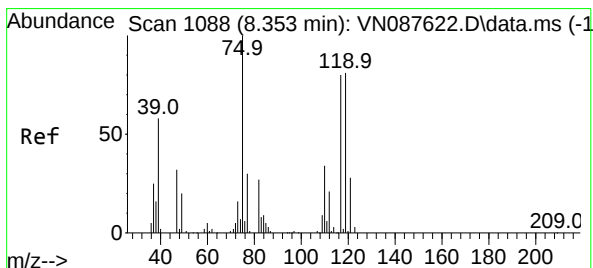
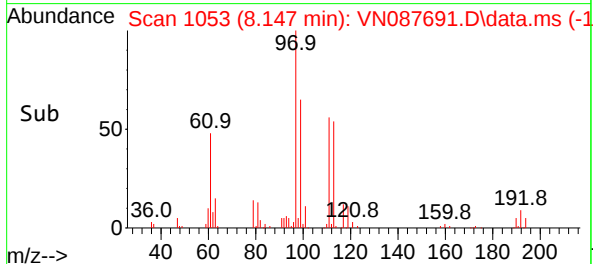
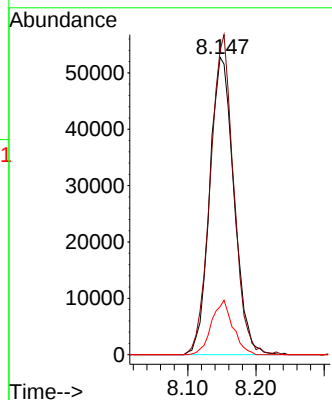
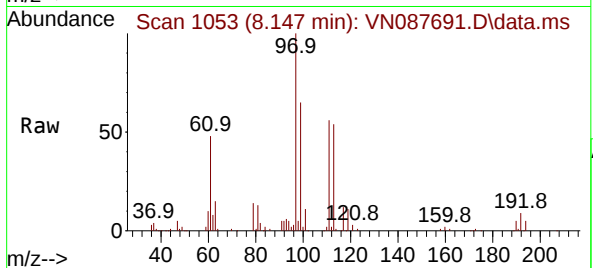
Tgt Ion:113 Resp: 130956

Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 16.1 12.8 19.2



#36

1,1-Dichloropropene

Concen: 46.865 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

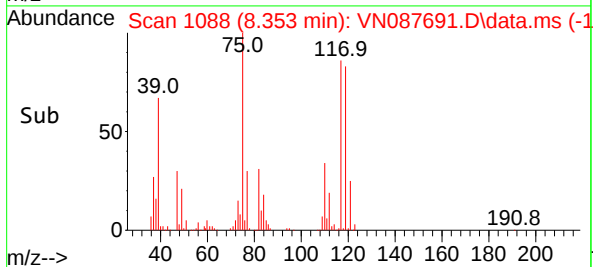
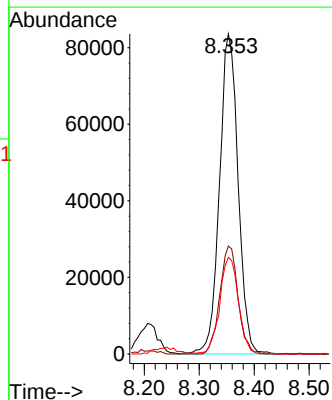
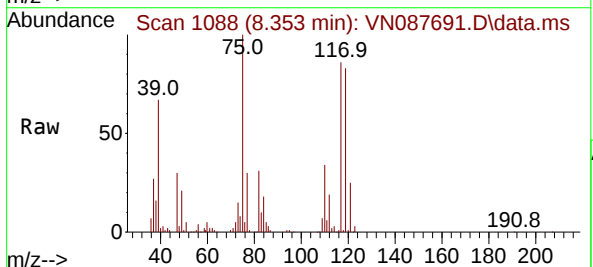
Tgt Ion: 75 Resp: 196618

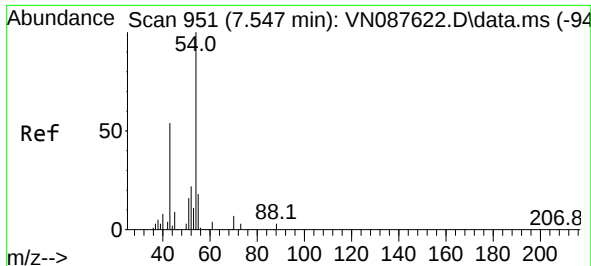
Ion Ratio Lower Upper

75 100

110 32.9 15.9 47.6

77 30.4 24.4 36.6

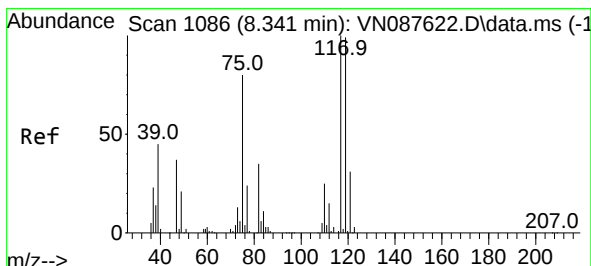
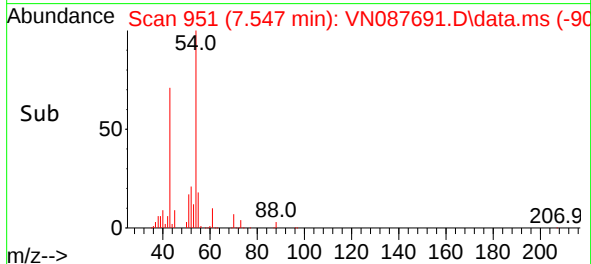
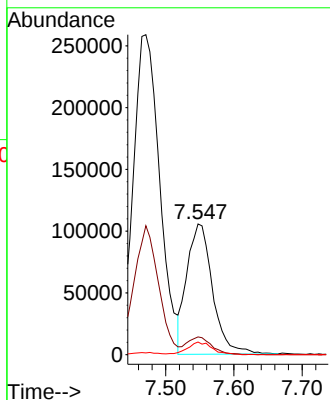
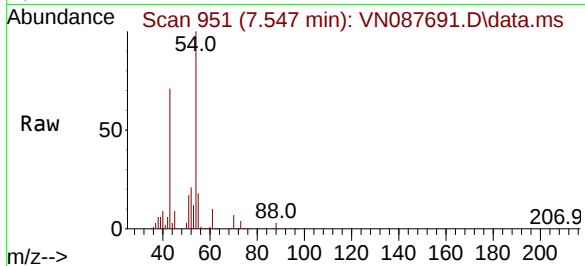




#37
Ethyl Acetate
Concen: 48.122 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

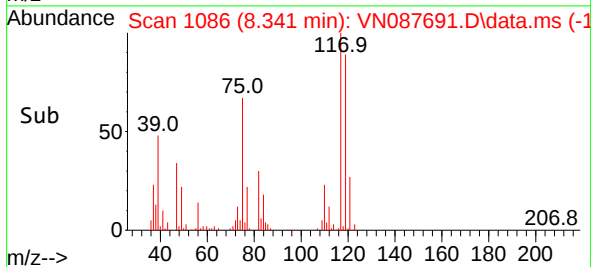
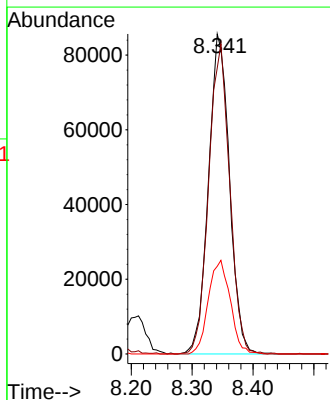
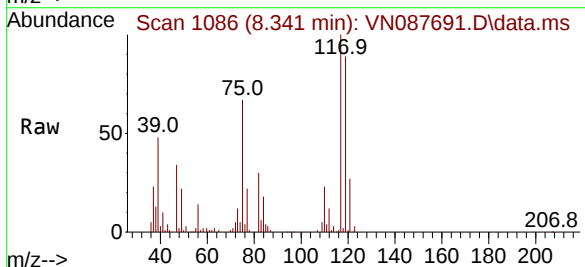
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

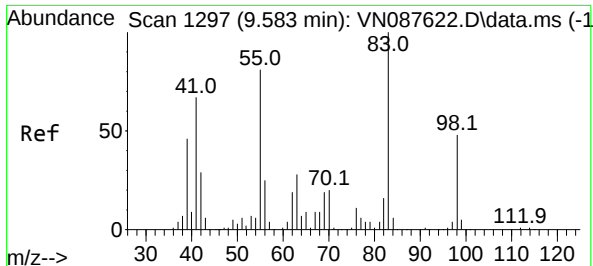
Tgt Ion: 43 Resp: 275882
Ion Ratio Lower Upper
43 100
61 13.4 9.3 13.9
70 9.3 7.0 10.6



#38
Carbon Tetrachloride
Concen: 49.575 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 117 Resp: 205351
Ion Ratio Lower Upper
117 100
119 89.3 79.0 118.6
121 27.4 25.0 37.6





#39

Methylcyclohexane

Concen: 45.417 ug/l

RT: 9.582 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

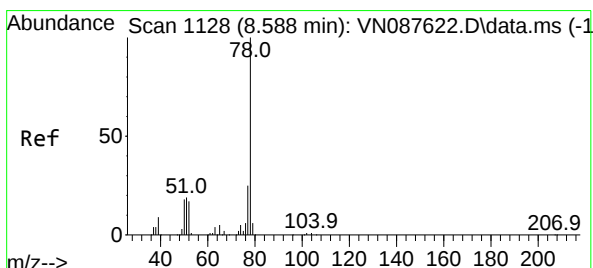
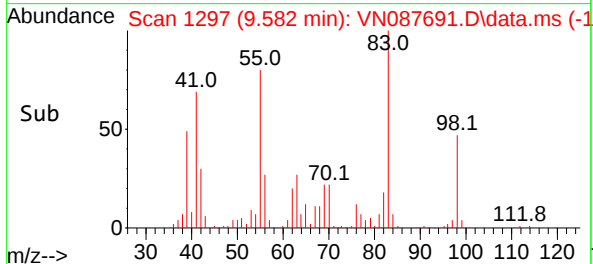
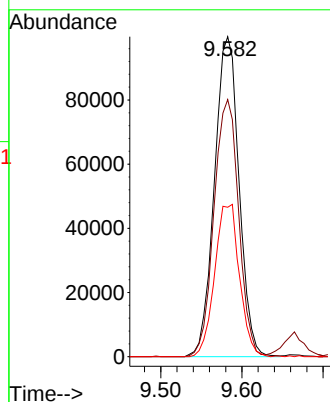
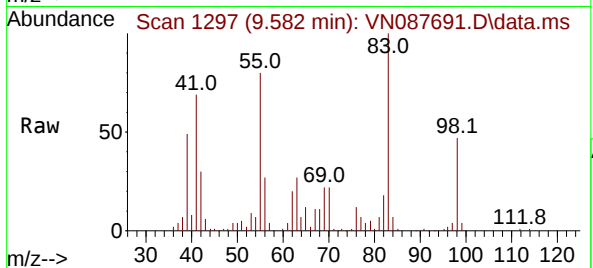
Tgt Ion: 83 Resp: 209776

Ion Ratio Lower Upper

83 100

55 80.4 64.6 96.8

98 46.7 38.4 57.6



#40

Benzene

Concen: 48.622 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087691.D

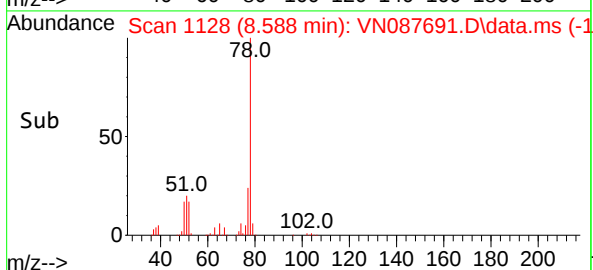
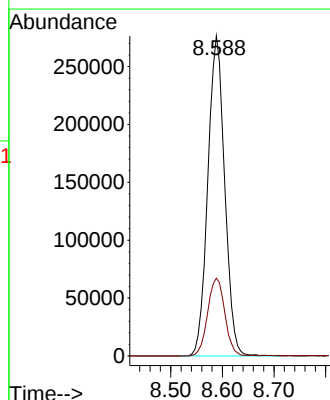
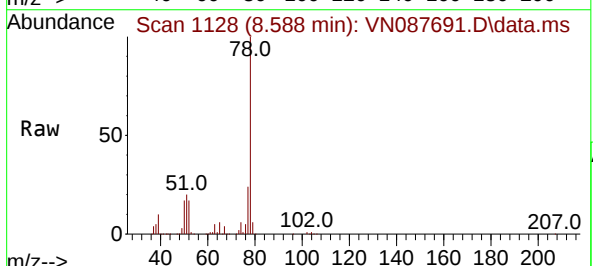
Acq: 28 Aug 2025 17:14

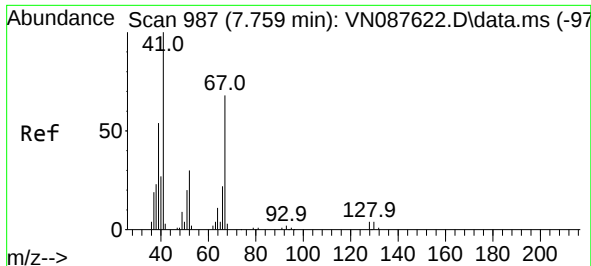
Tgt Ion: 78 Resp: 625658

Ion Ratio Lower Upper

78 100

77 24.3 19.7 29.5

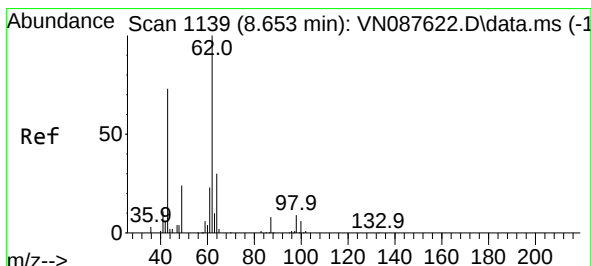
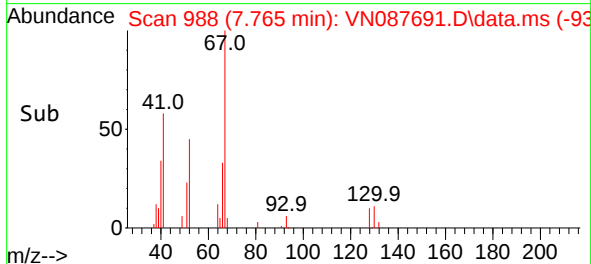
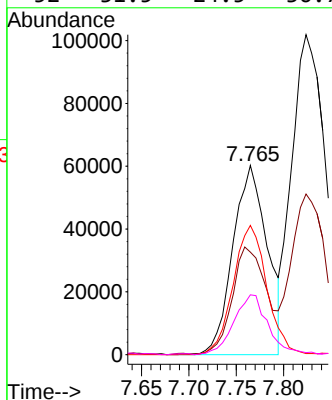
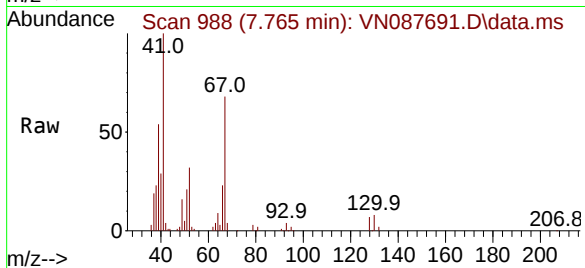




#41
Methacrylonitrile
Concen: 51.304 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

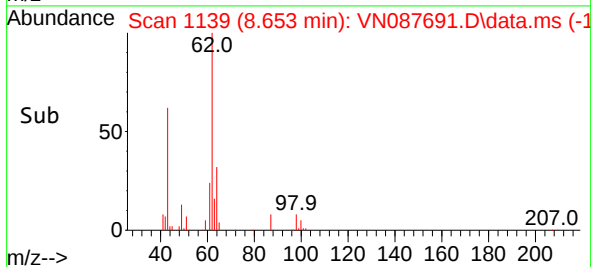
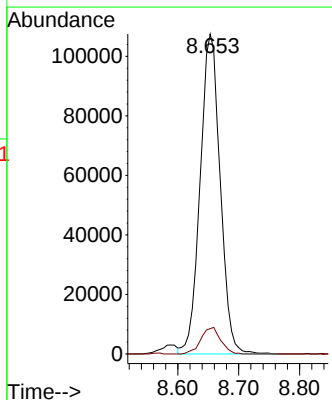
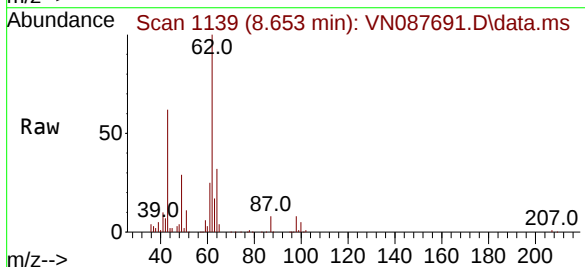
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

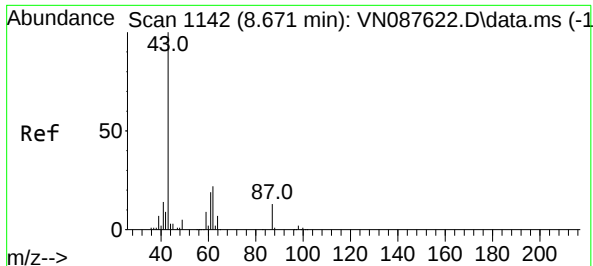
Tgt Ion: 41 Resp: 152356
Ion Ratio Lower Upper
41 100
39 56.7 45.4 68.0
67 66.9 55.3 82.9
52 31.5 24.5 36.7



#42
1,2-Dichloroethane
Concen: 49.676 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 62 Resp: 245641
Ion Ratio Lower Upper
62 100
98 8.2 0.0 17.4





#43

Isopropyl Acetate

Concen: 51.009 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

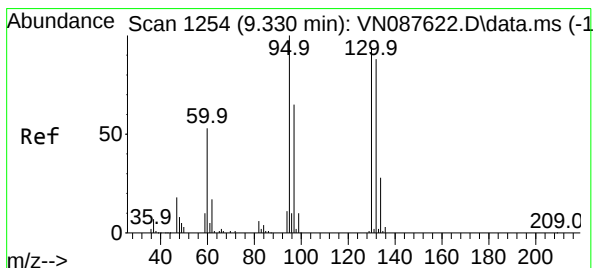
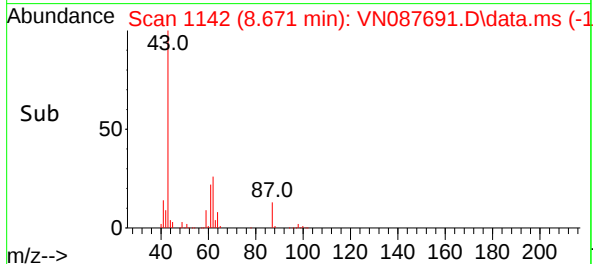
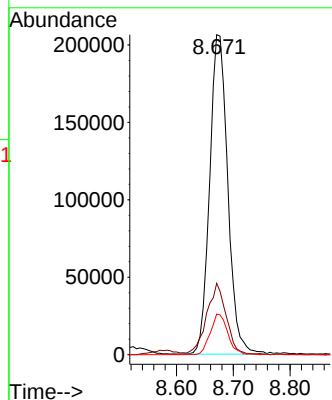
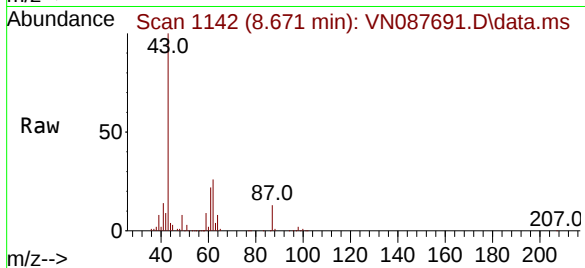
Tgt Ion: 43 Resp: 456558

Ion Ratio Lower Upper

43 100

61 24.3 18.8 28.2

87 12.3 9.6 14.4



#44

Trichloroethene

Concen: 47.351 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.006 min

Lab File: VN087691.D

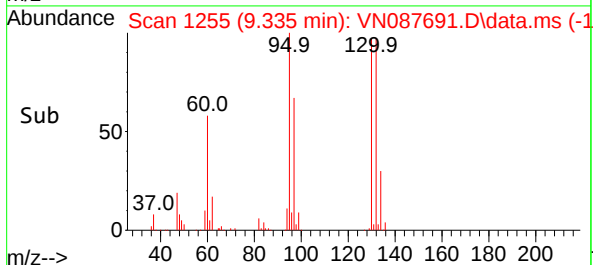
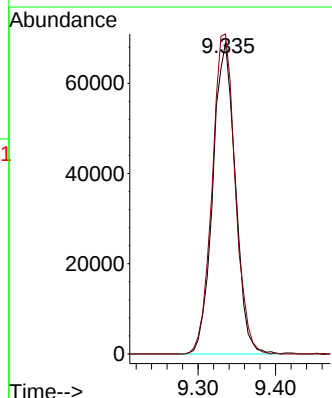
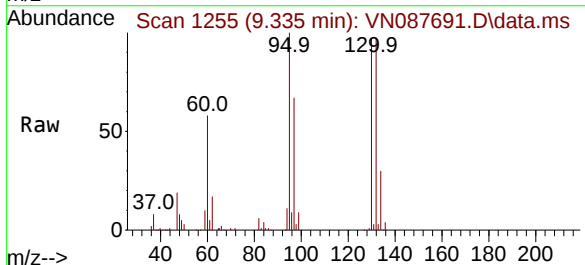
Acq: 28 Aug 2025 17:14

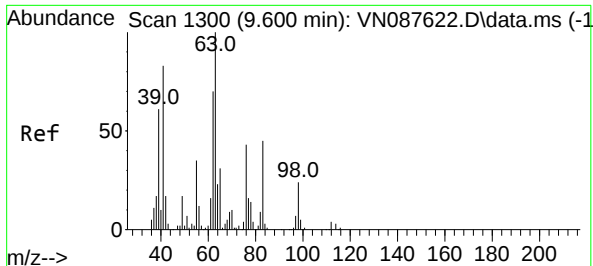
Tgt Ion:130 Resp: 139111

Ion Ratio Lower Upper

130 100

95 102.9 0.0 212.0





#45

1,2-Dichloropropane

Concen: 48.196 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

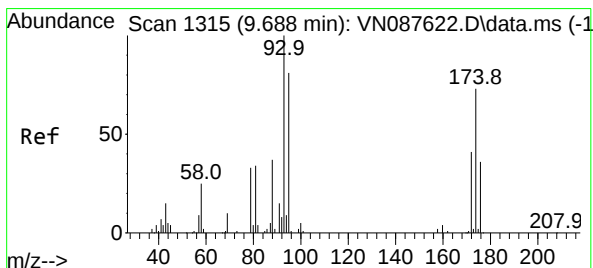
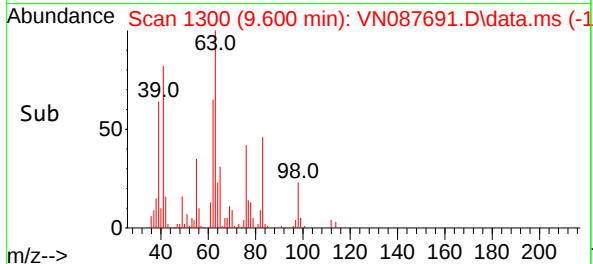
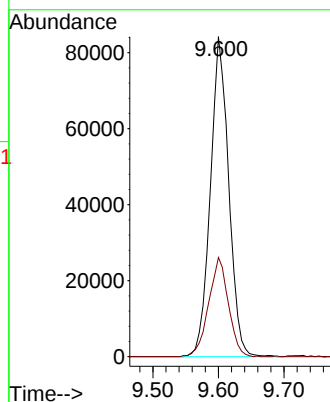
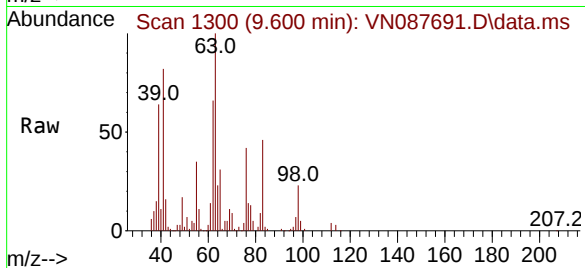
VSTDCCC050EC

Tgt Ion: 63 Resp: 163473

Ion Ratio Lower Upper

63 100

65 31.0 25.0 37.4



#46

Dibromomethane

Concen: 50.393 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

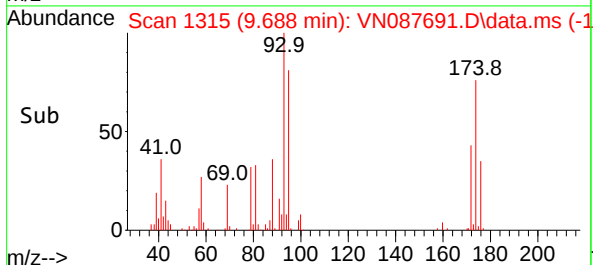
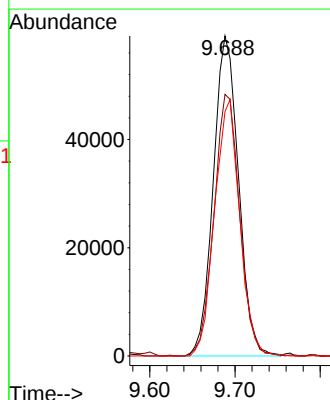
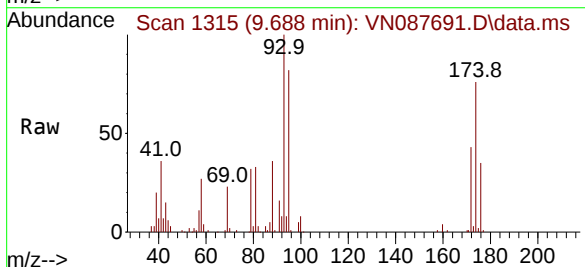
Tgt Ion: 93 Resp: 121633

Ion Ratio Lower Upper

93 100

95 83.3 66.2 99.4

174 79.9 63.4 95.2





#47

Bromodichloromethane

Concen: 51.140 ug/l

RT: 9.871 min Scan# 1346

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

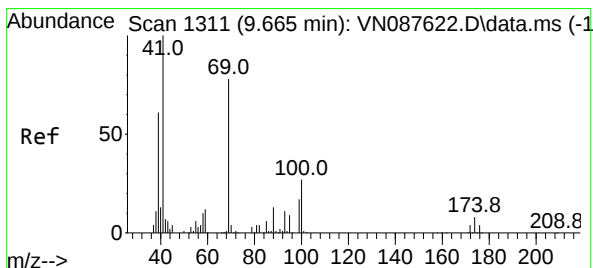
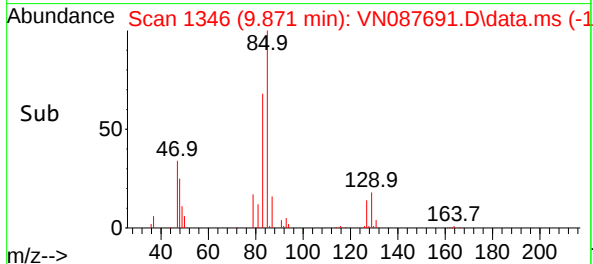
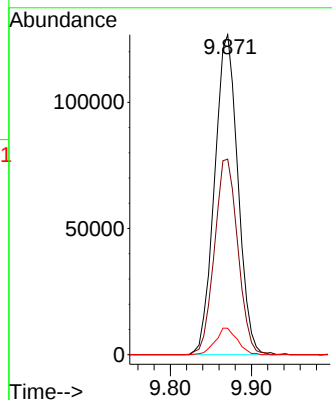
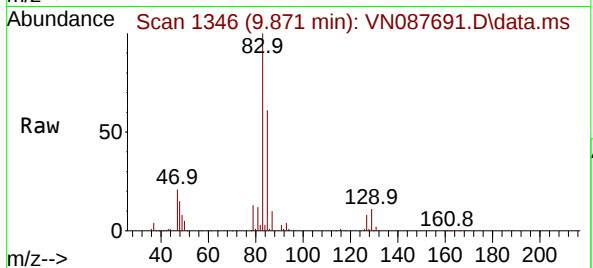
Tgt Ion: 83 Resp: 252979

Ion Ratio Lower Upper

83 100

85 61.1 52.5 78.7

127 8.3 5.8 8.6



#48

Methyl methacrylate

Concen: 50.232 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

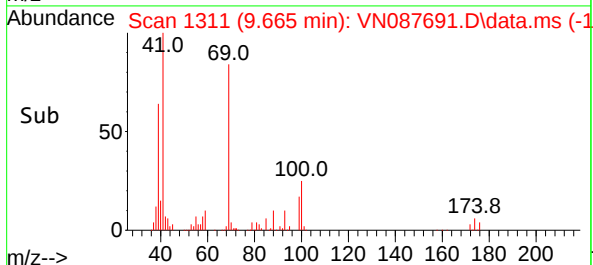
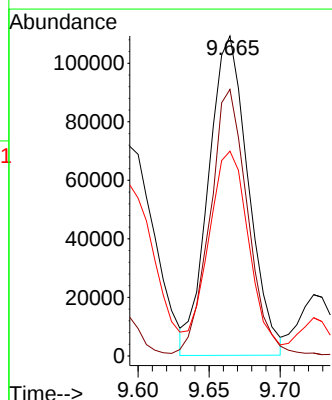
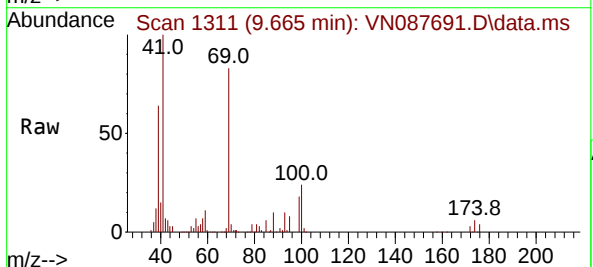
Tgt Ion: 41 Resp: 212666

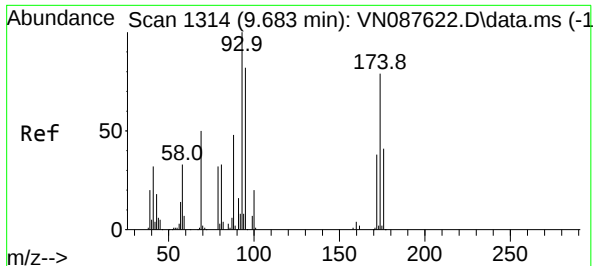
Ion Ratio Lower Upper

41 100

69 78.6 62.7 94.1

39 66.1 52.9 79.3





#49

1,4-Dioxane

Concen: 1036.844 ug/l

RT: 9.682 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

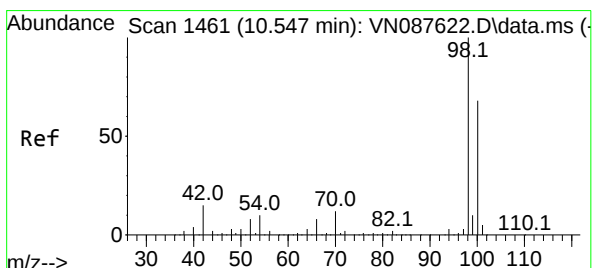
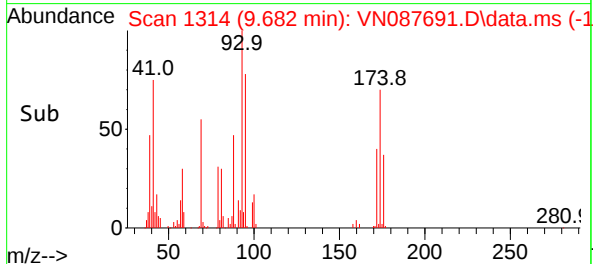
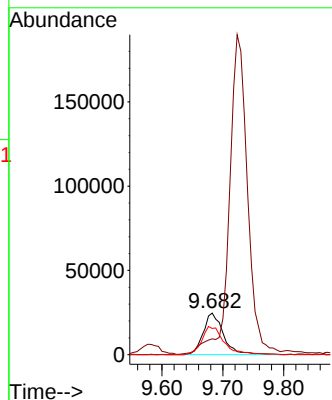
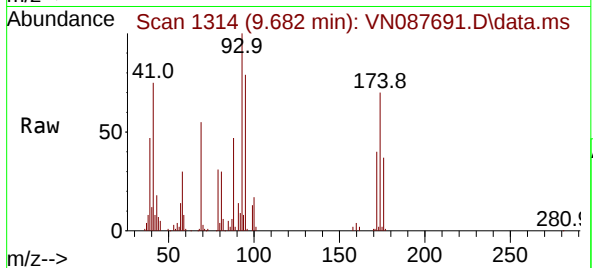
Tgt Ion: 88 Resp: 56896

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 74.4 57.9 86.9



#50

Toluene-d8

Concen: 46.931 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN087691.D

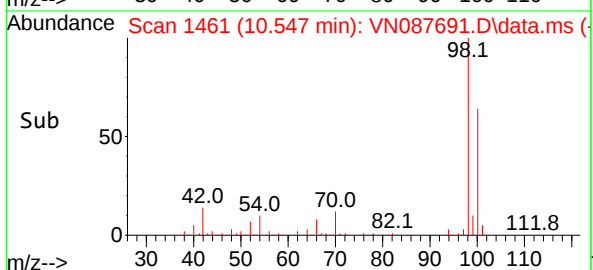
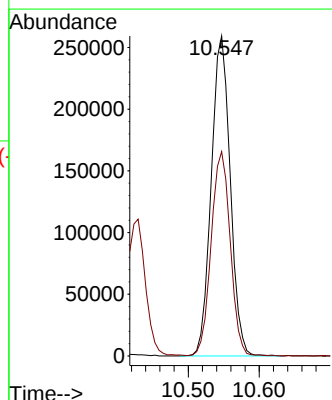
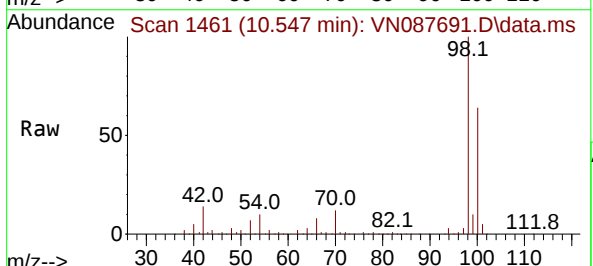
Acq: 28 Aug 2025 17:14

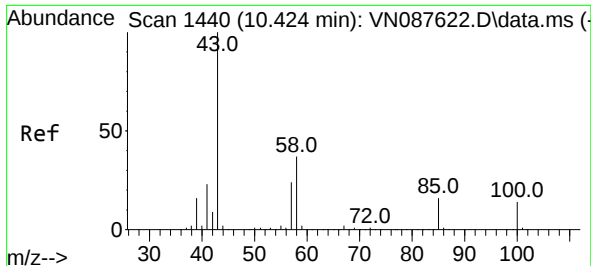
Tgt Ion: 98 Resp: 480365

Ion Ratio Lower Upper

98 100

100 64.1 52.8 79.2

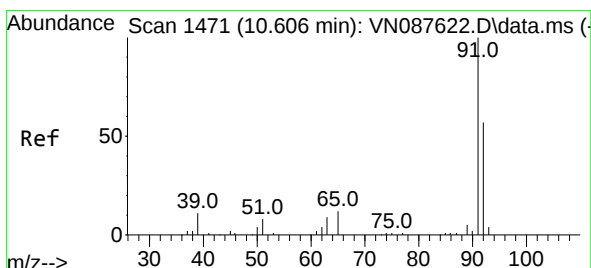
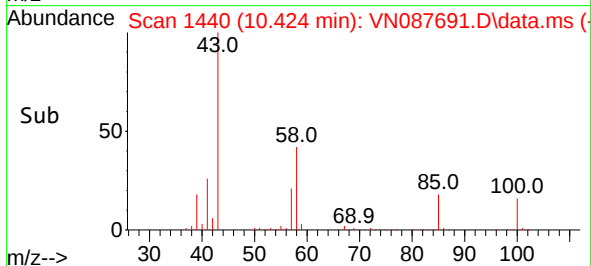
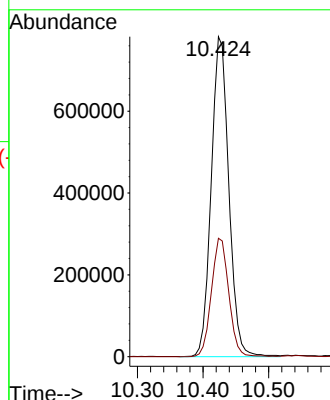
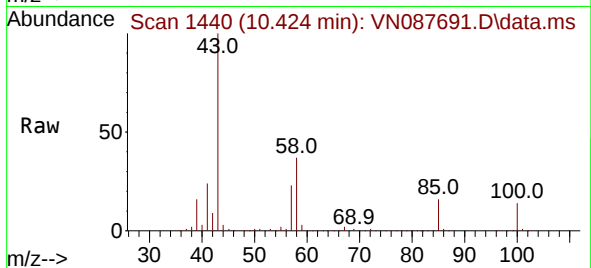




#51
4-Methyl-2-Pentanone
Concen: 269.510 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

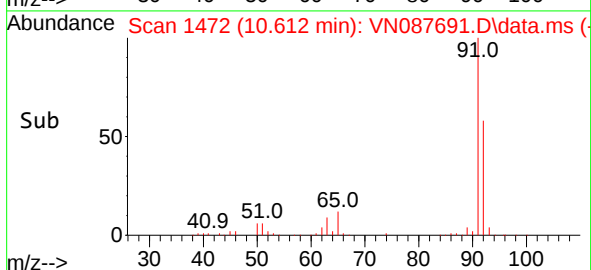
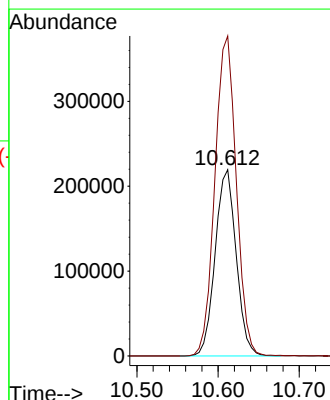
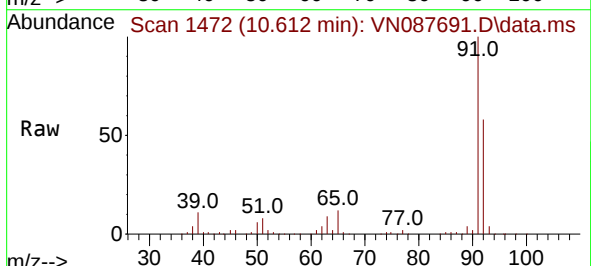
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

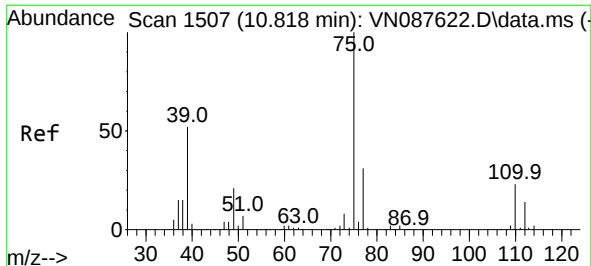
Tgt Ion: 43 Resp: 1455423
Ion Ratio Lower Upper
43 100
58 36.5 29.6 44.4



#52
Toluene
Concen: 49.489 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 92 Resp: 394793
Ion Ratio Lower Upper
92 100
91 175.0 140.4 210.6

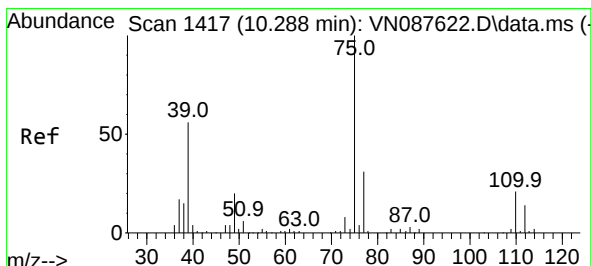
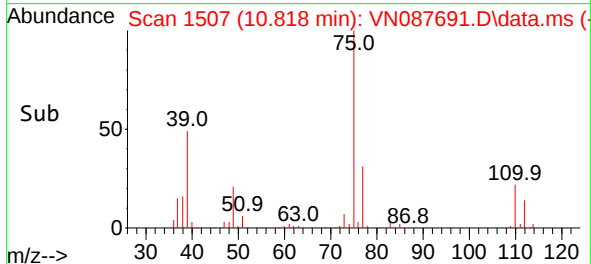
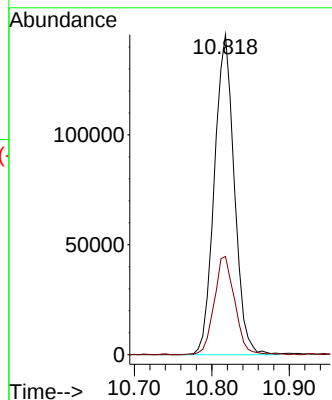
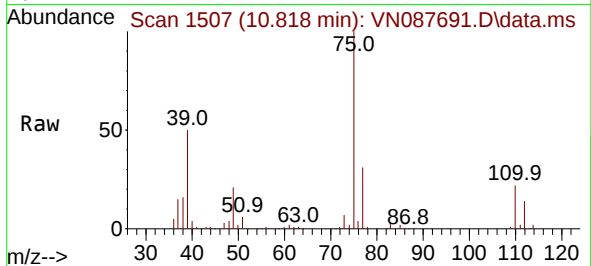




#53
t-1,3-Dichloropropene
Concen: 50.792 ug/l
RT: 10.818 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

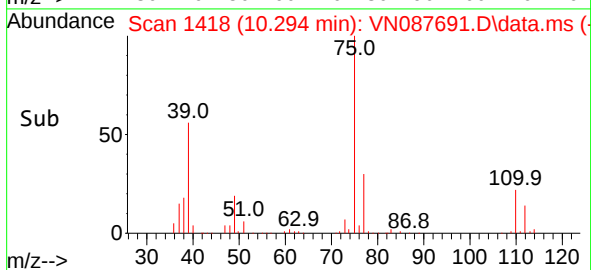
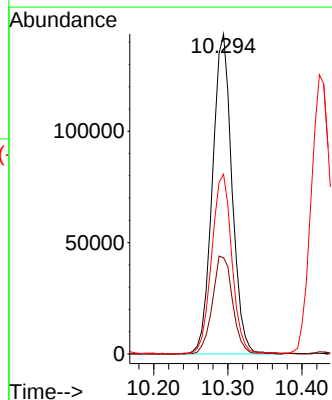
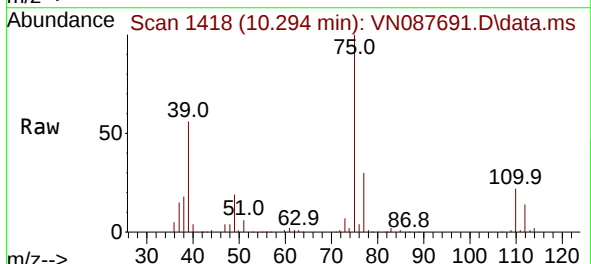
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

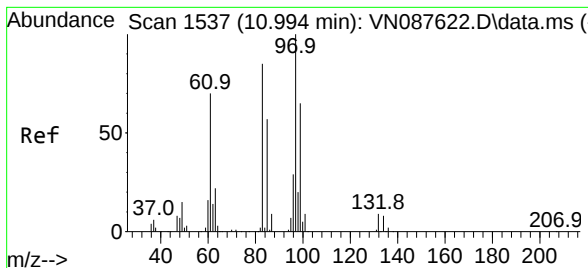
Tgt Ion: 75 Resp: 260074
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8



#54
cis-1,3-Dichloropropene
Concen: 49.592 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 75 Resp: 263661
Ion Ratio Lower Upper
75 100
77 30.0 24.6 37.0
39 56.2 45.2 67.8

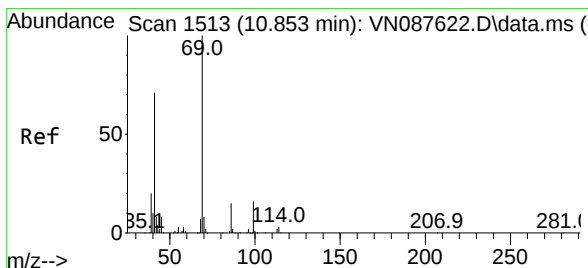
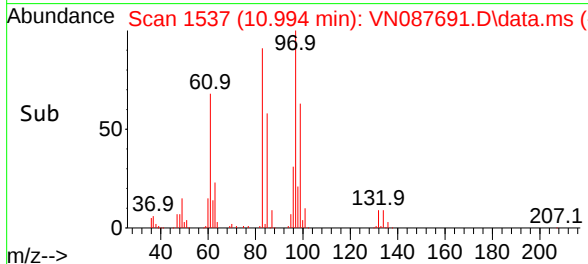
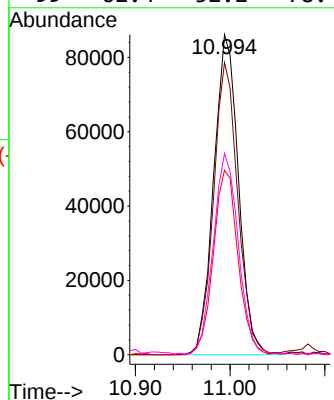
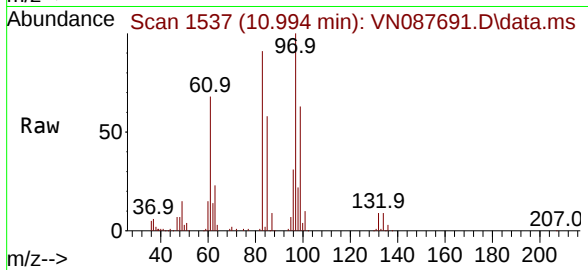




#55
 1,1,2-Trichloroethane
 Concen: 50.531 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

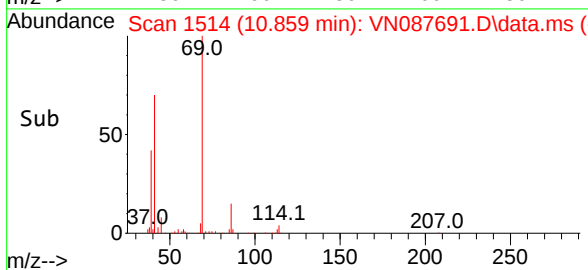
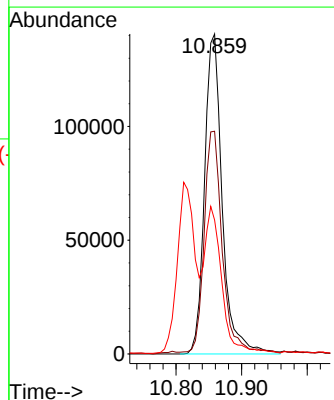
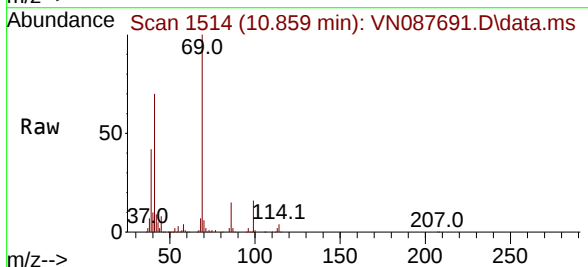
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	155939
Ion	Ratio	Lower	Upper
97	100		
83	91.3	68.2	102.4
85	57.4	45.5	68.3
99	62.4	52.2	78.4



#56
 Ethyl methacrylate
 Concen: 53.704 ug/l
 RT: 10.859 min Scan# 1514
 Delta R.T. 0.006 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

Tgt Ion:	69	Resp:	264858
Ion	Ratio	Lower	Upper
69	100		
41	69.7	56.5	84.7
39	44.9	34.2	51.4





#57

1,3-Dichloropropane

Concen: 50.375 ug/l

RT: 11.141 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

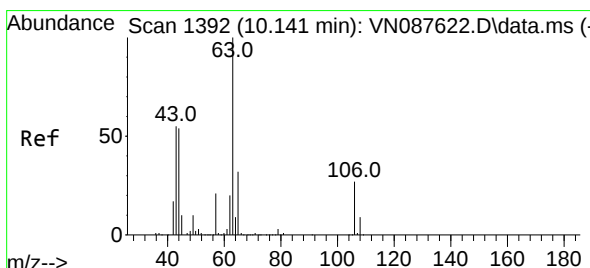
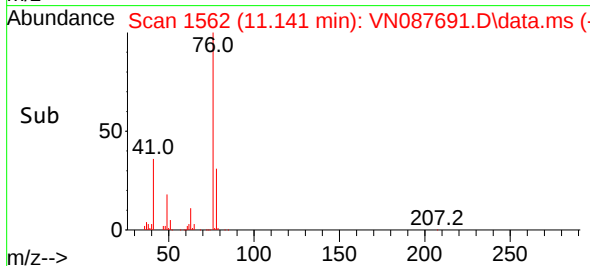
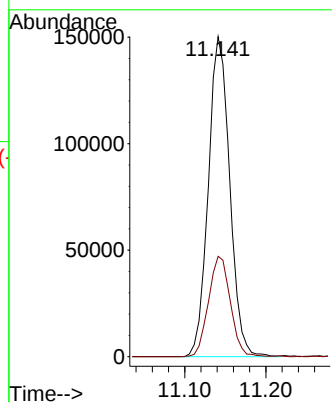
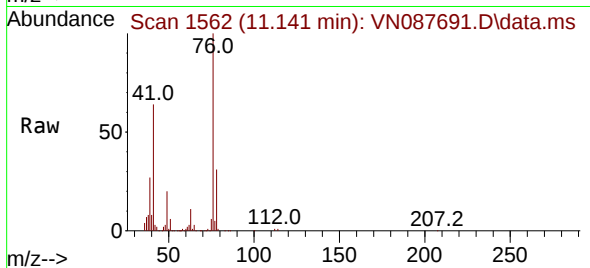
VSTDCCC050EC

Tgt Ion: 76 Resp: 275125

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 265.302 ug/l

RT: 10.141 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VN087691.D

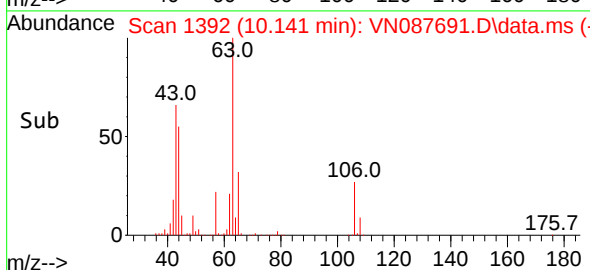
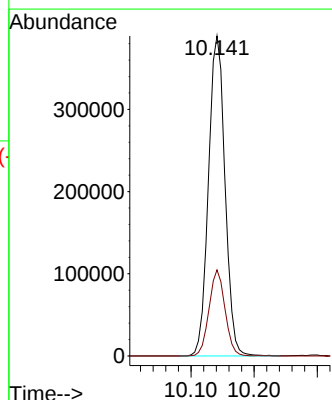
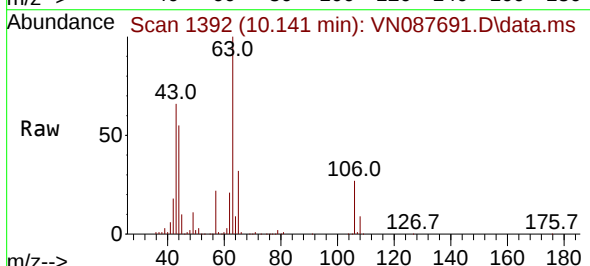
Acq: 28 Aug 2025 17:14

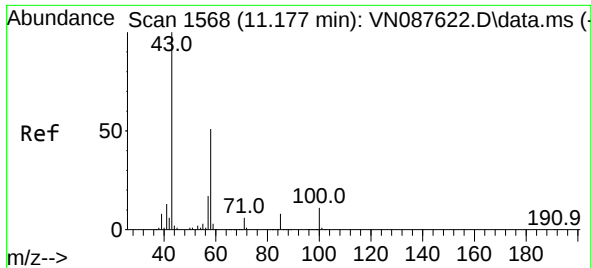
Tgt Ion: 63 Resp: 708185

Ion Ratio Lower Upper

63 100

106 25.9 21.1 31.7

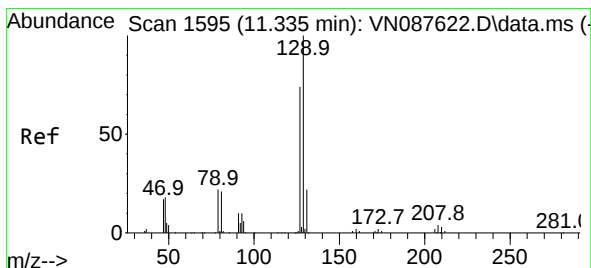
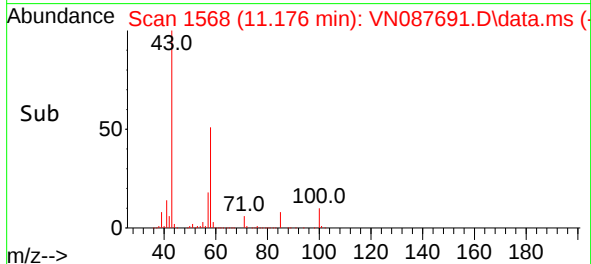
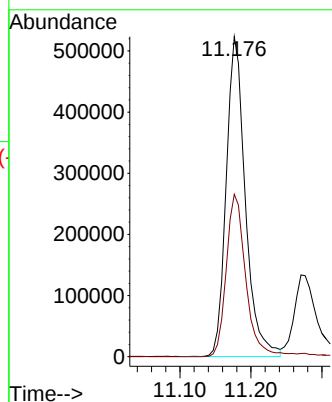
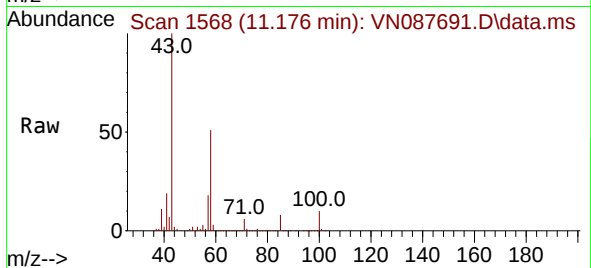




#59
2-Hexanone
Concen: 285.689 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

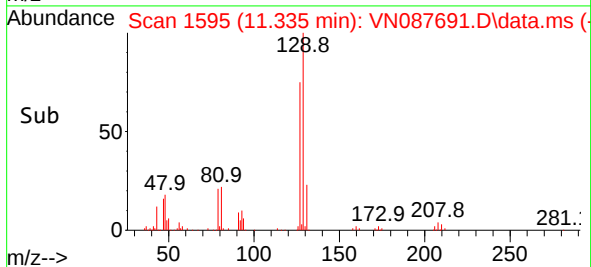
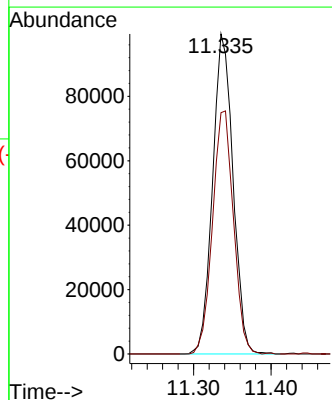
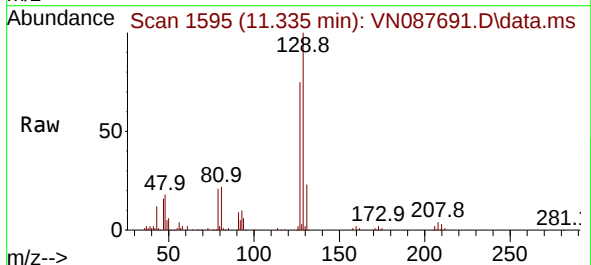
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

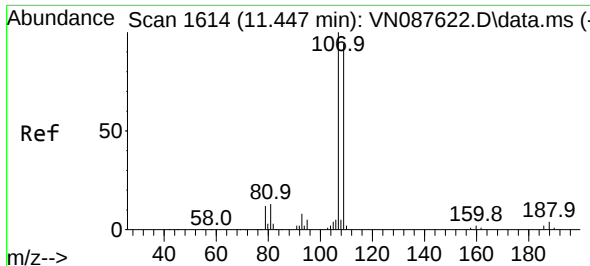
Tgt Ion: 43 Resp: 975045
Ion Ratio Lower Upper
43 100
58 52.0 25.9 77.8



#60
Dibromochloromethane
Concen: 50.827 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 129 Resp: 181744
Ion Ratio Lower Upper
129 100
127 77.9 39.1 117.3

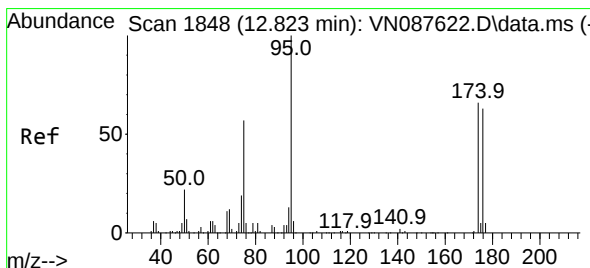
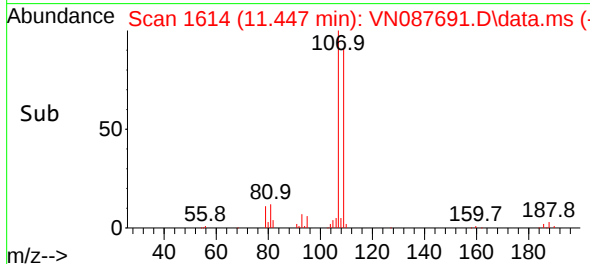
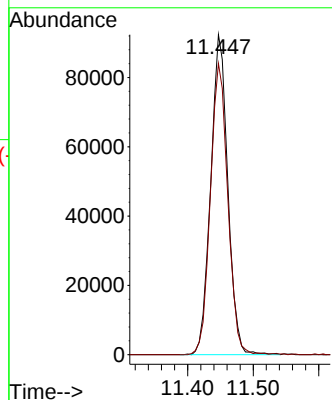
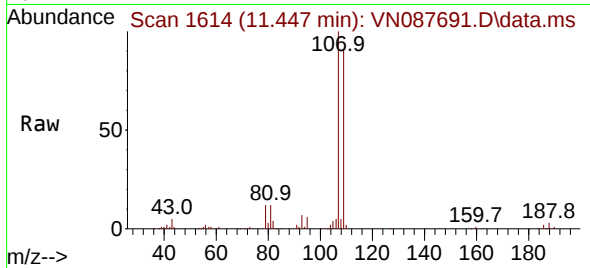




#61
1,2-Dibromoethane
Concen: 51.342 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

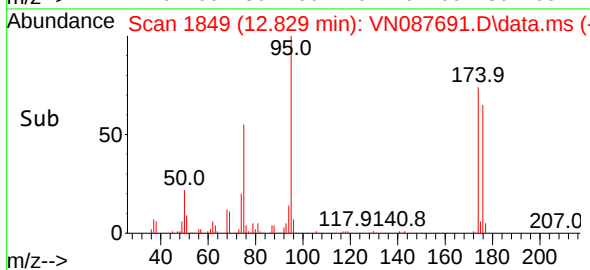
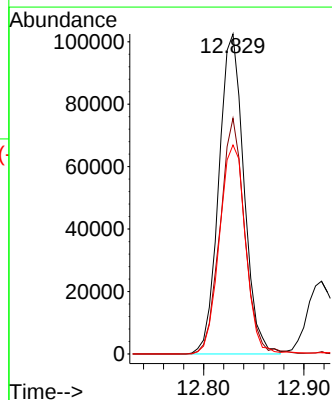
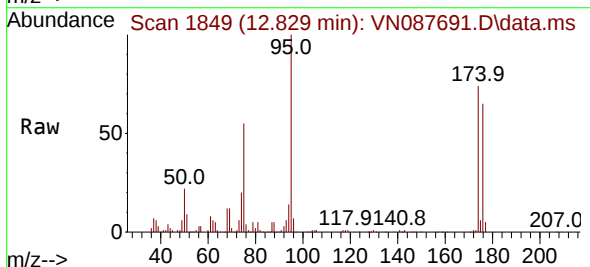
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

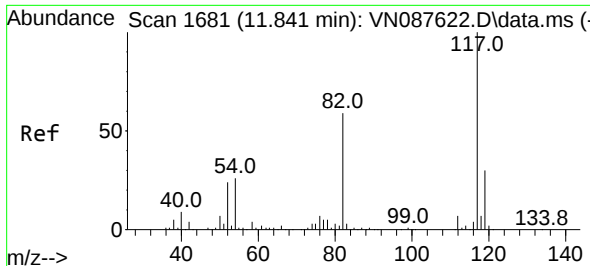
Tgt Ion:107 Resp: 167067
Ion Ratio Lower Upper
107 100
109 93.0 74.7 112.1



#62
4-Bromofluorobenzene
Concen: 48.772 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 95 Resp: 177533
Ion Ratio Lower Upper
95 100
174 72.2 0.0 138.4
176 68.0 0.0 132.6

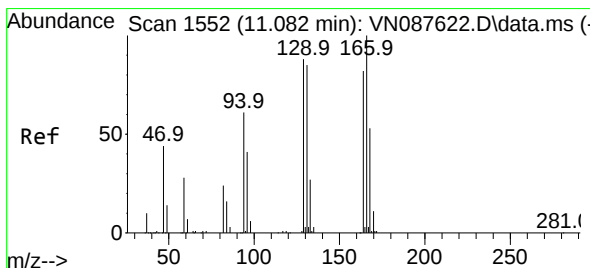
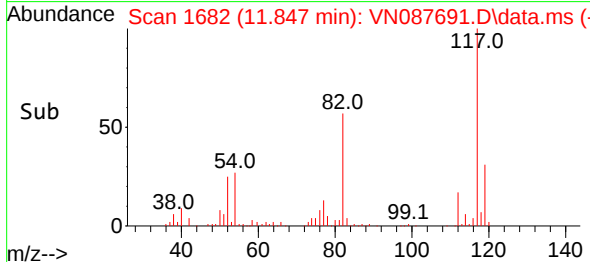
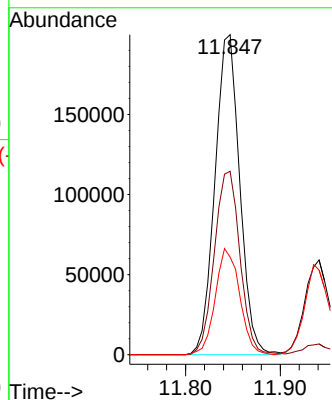
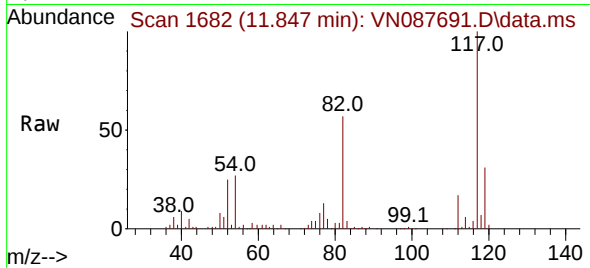




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

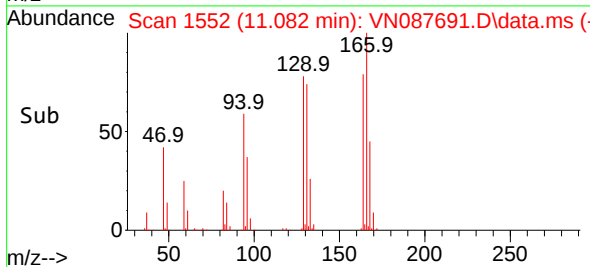
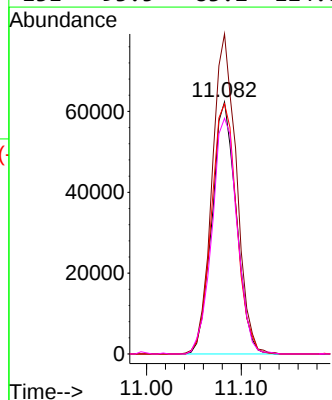
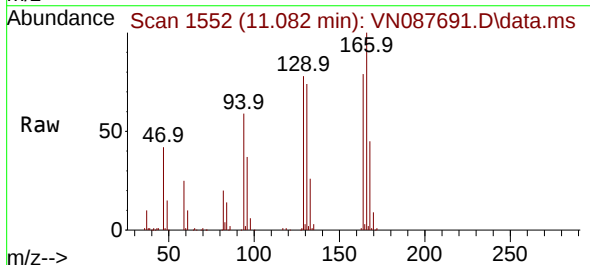
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

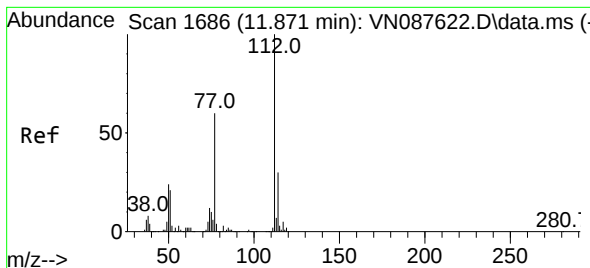
Tgt Ion:117 Resp: 363839
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 30.5 24.3 36.5



#64
Tetrachloroethene
Concen: 44.083 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion:164 Resp: 111277
Ion Ratio Lower Upper
164 100
166 127.0 97.7 146.5
129 99.3 85.9 128.9
131 93.5 83.2 124.8





#65

Chlorobenzene

Concen: 47.328 ug/l

RT: 11.870 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

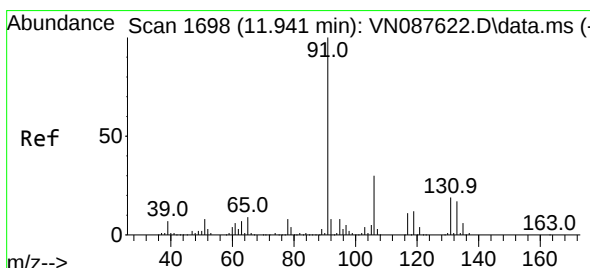
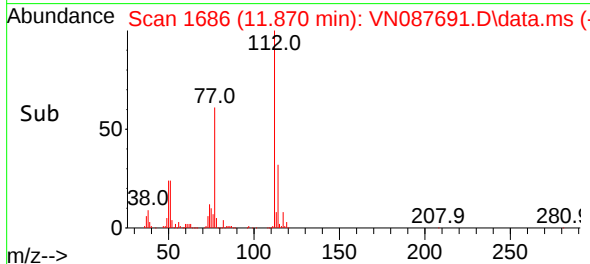
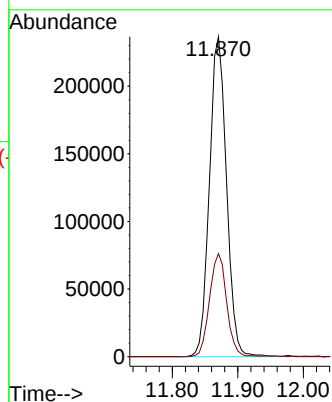
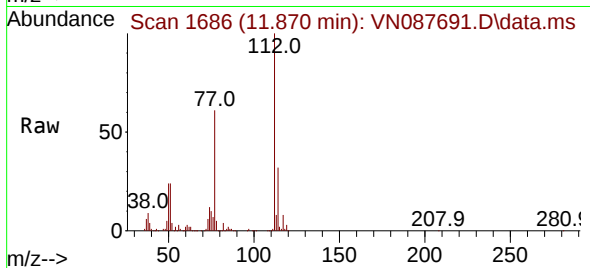
VSTDCCC050EC

Tgt Ion:112 Resp: 428404

Ion Ratio Lower Upper

112 100

114 32.2 24.3 36.5



#66

1,1,1,2-Tetrachloroethane

Concen: 50.634 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

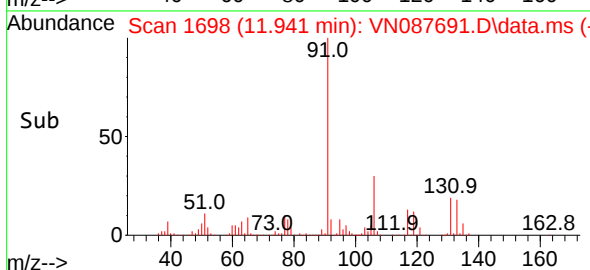
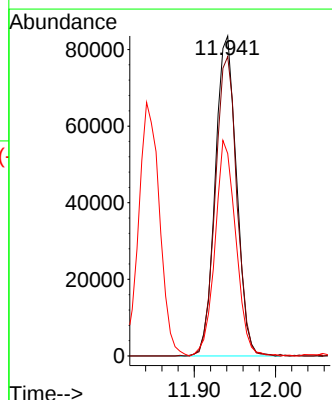
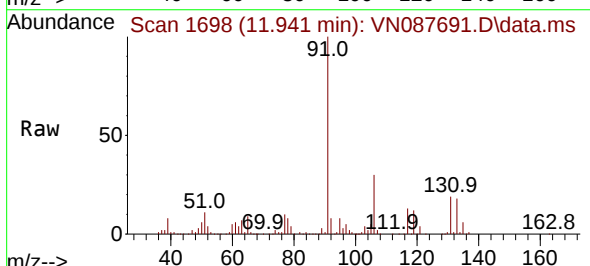
Tgt Ion:131 Resp: 152159

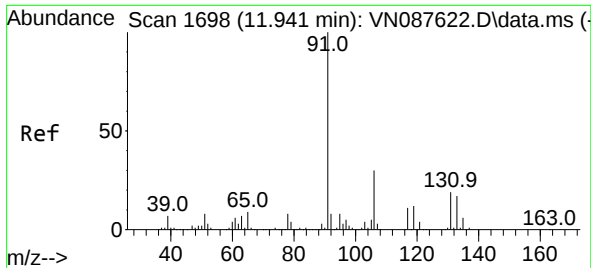
Ion Ratio Lower Upper

131 100

133 94.8 48.0 144.0

119 66.0 32.6 97.7

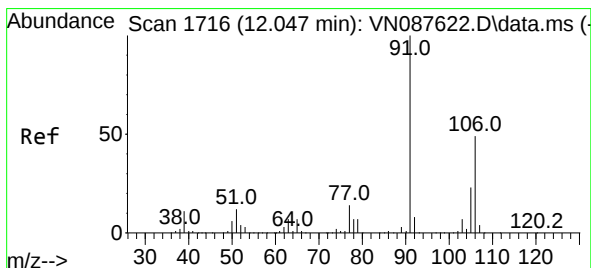
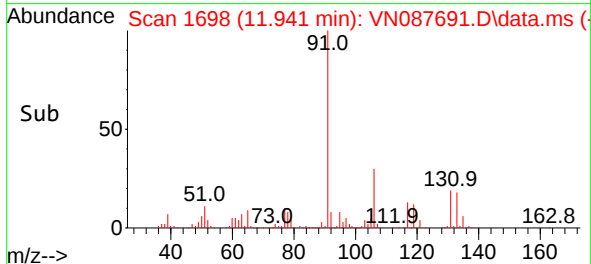
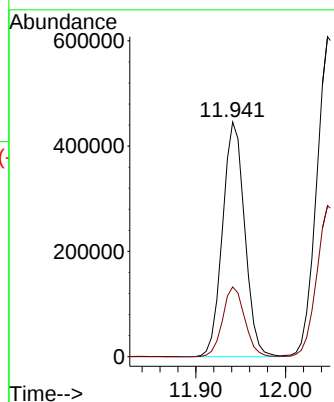
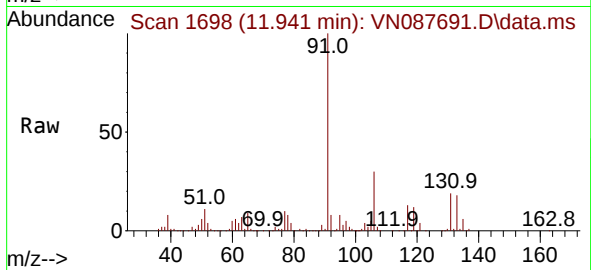




#67
Ethyl Benzene
Concen: 48.797 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

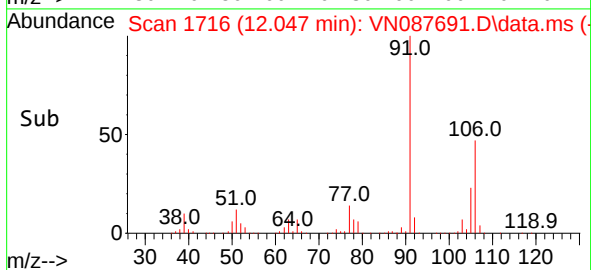
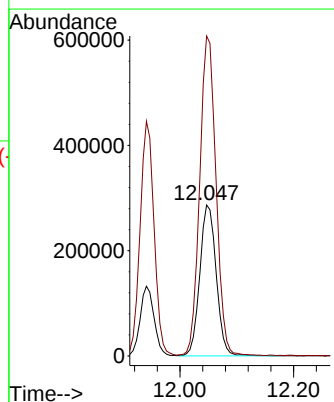
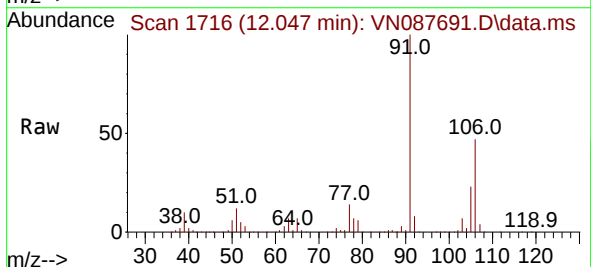
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

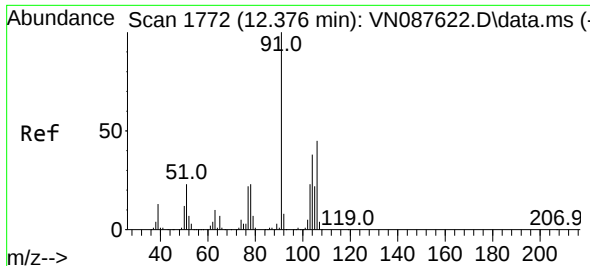
Tgt Ion: 91 Resp: 764772
Ion Ratio Lower Upper
91 100
106 29.7 24.1 36.1



#68
m/p-Xylenes
Concen: 99.999 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 106 Resp: 574771
Ion Ratio Lower Upper
106 100
91 210.6 169.3 253.9

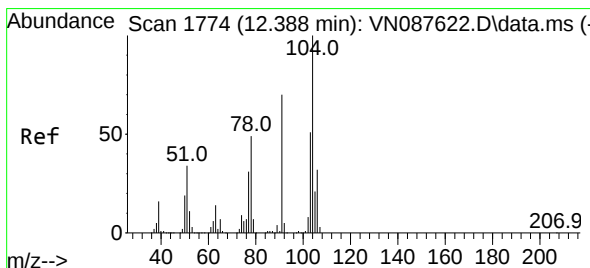
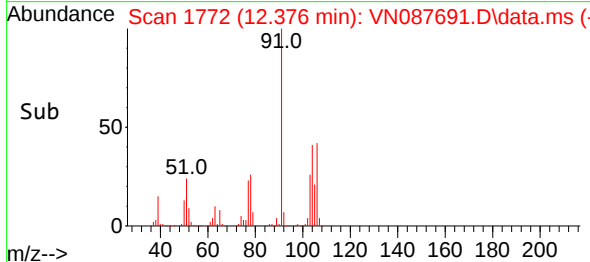
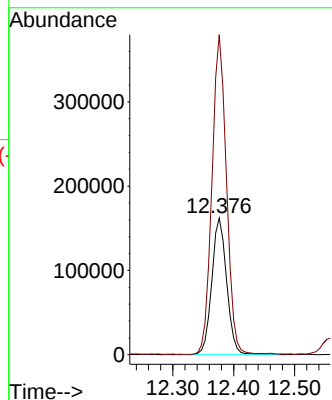
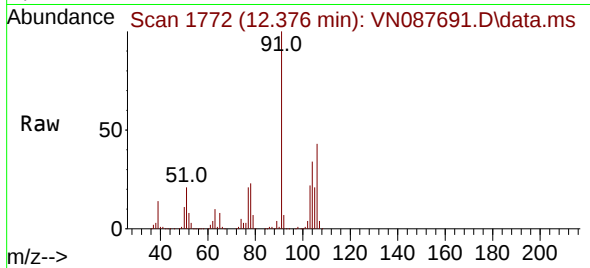




#69
o-Xylene
Concen: 48.818 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

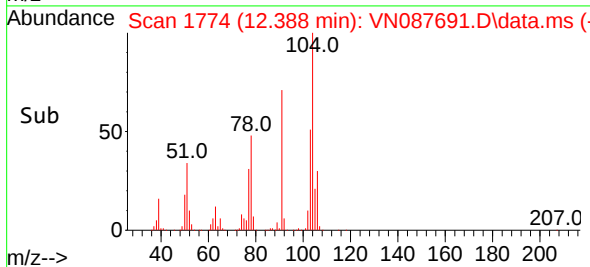
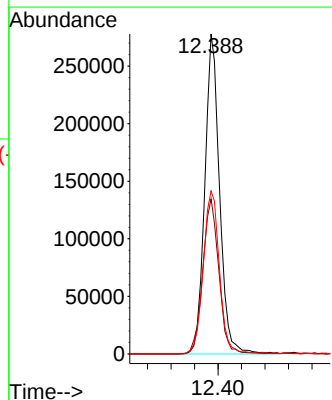
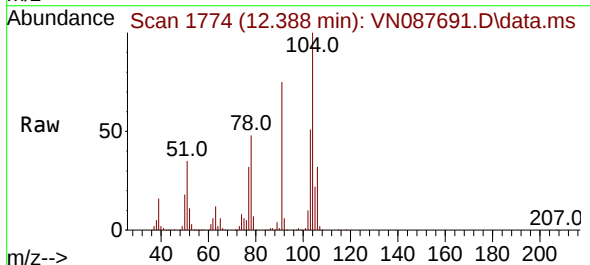
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

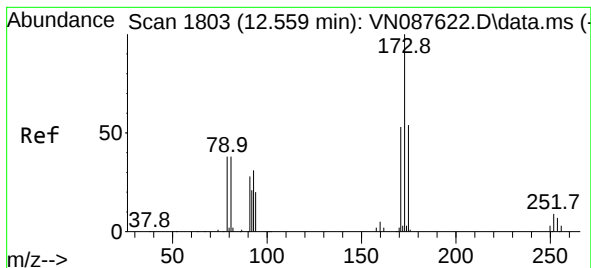
Tgt Ion:106 Resp: 274980
Ion Ratio Lower Upper
106 100
91 227.9 111.4 334.2



#70
Styrene
Concen: 51.324 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion:104 Resp: 484338
Ion Ratio Lower Upper
104 100
78 52.8 42.2 63.2
103 55.5 43.4 65.2





#71

Bromoform

Concen: 51.503 ug/l

RT: 12.559 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

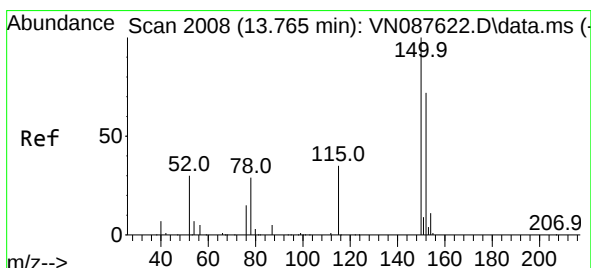
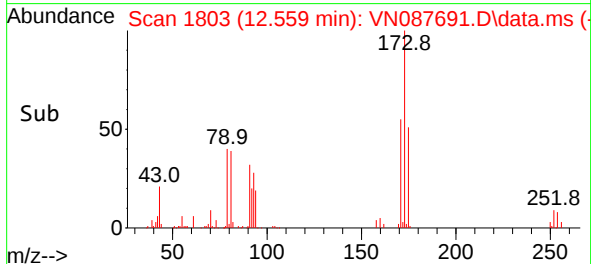
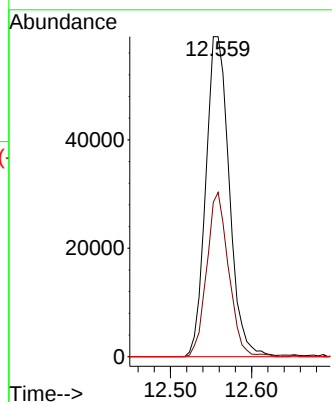
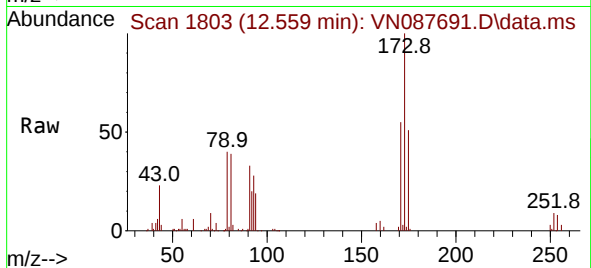
Tgt Ion:173 Resp: 118698

Ion Ratio Lower Upper

173 100

175 47.8 24.9 74.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

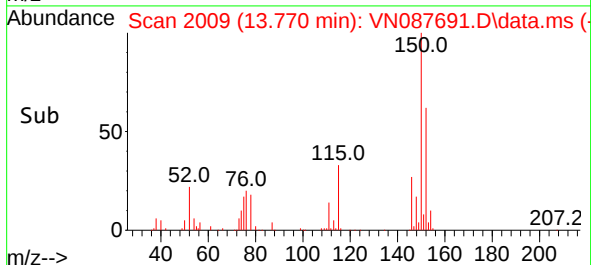
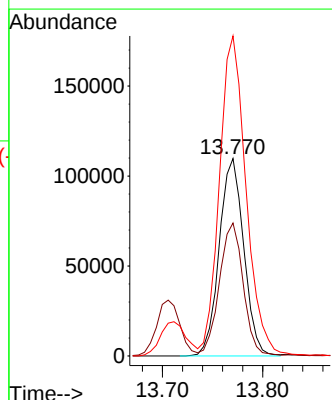
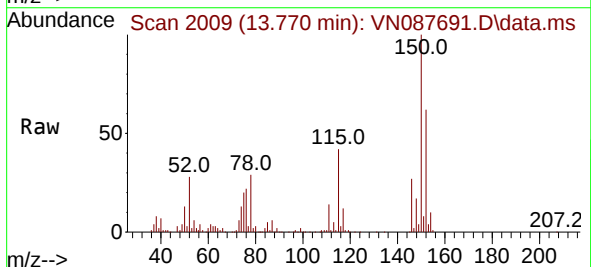
Tgt Ion:152 Resp: 186178

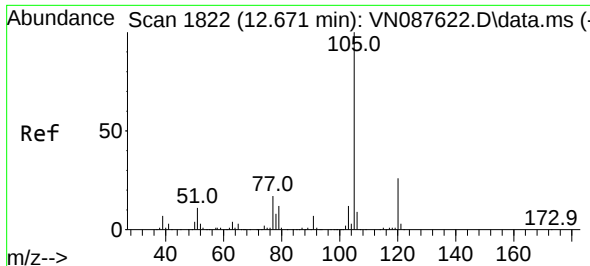
Ion Ratio Lower Upper

152 100

115 64.4 32.3 96.8

150 176.2 0.0 351.0

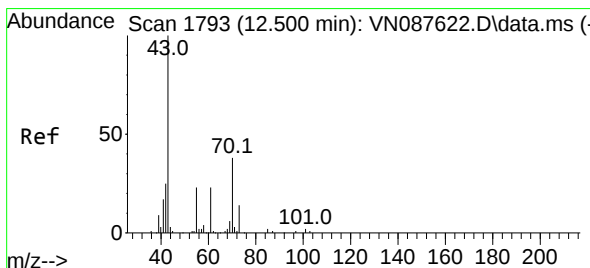
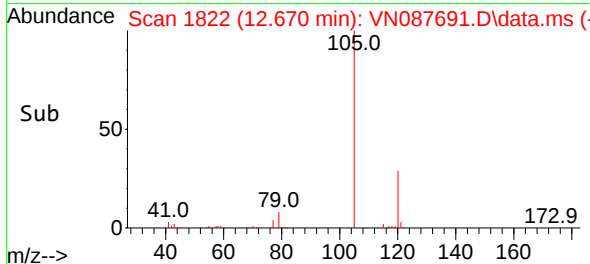
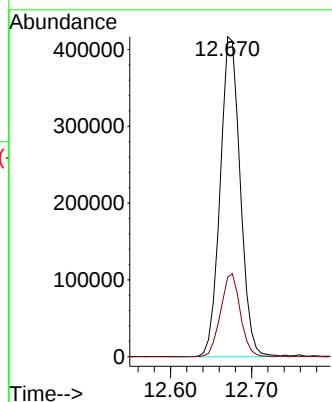
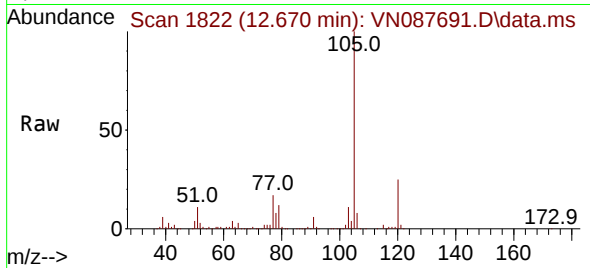




#73
Isopropylbenzene
Concen: 47.604 ug/l
RT: 12.670 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

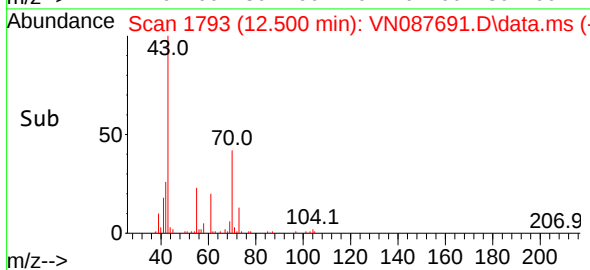
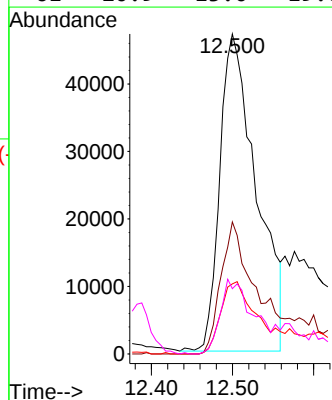
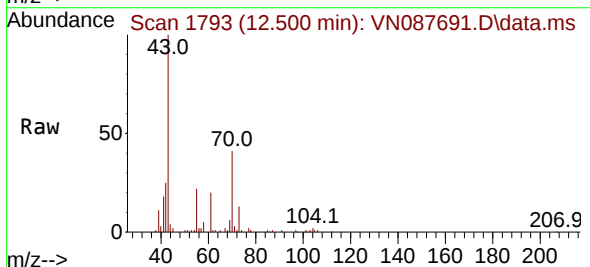
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

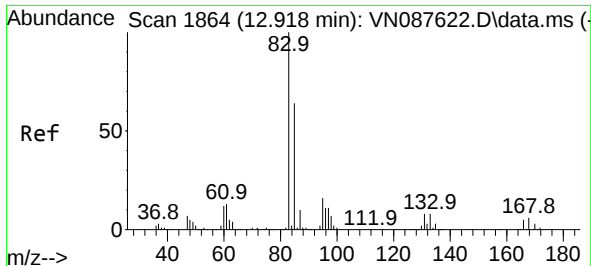
Tgt Ion:105 Resp: 716172
Ion Ratio Lower Upper
105 100
120 25.4 12.8 38.3



#74
N-ethyl acetate
Concen: 25.866 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 43 Resp: 147473
Ion Ratio Lower Upper
43 100
70 48.9 27.6 41.4#
55 23.5 13.0 19.6#
61 20.9 13.0 19.6#

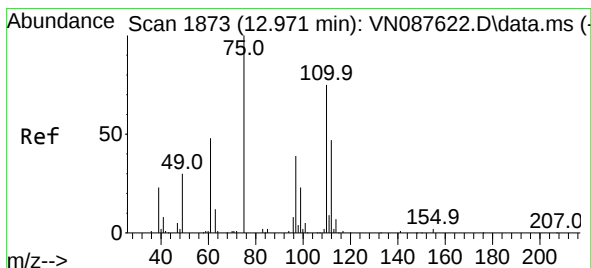
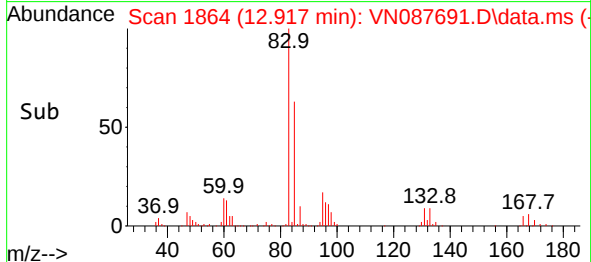
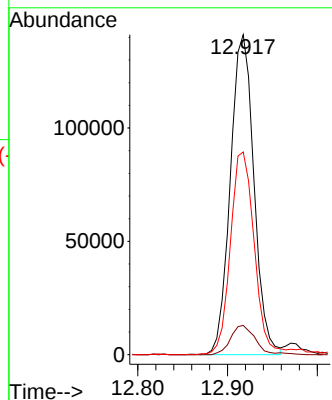
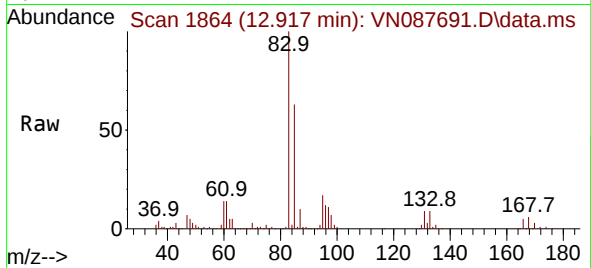




#75
1,1,2-Tetrachloroethane
Concen: 49.789 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

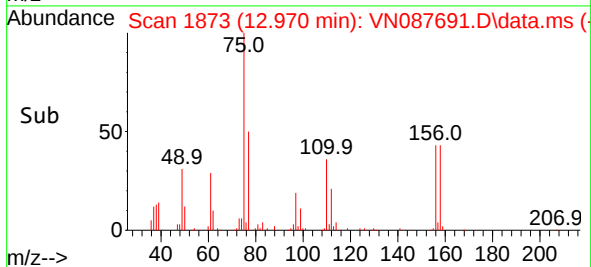
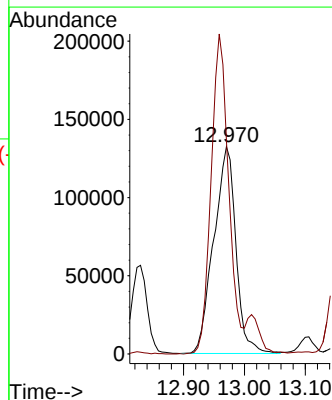
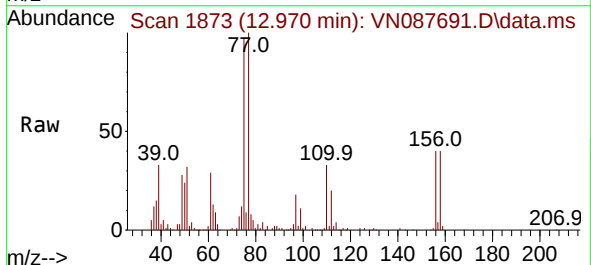
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

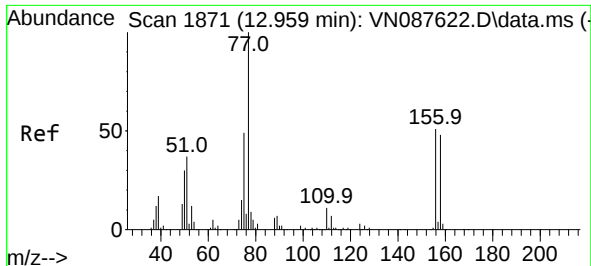
Tgt Ion: 83 Resp: 257885
Ion Ratio Lower Upper
83 100
131 9.6 4.8 14.4
85 65.9 32.1 96.3



#76
1,2,3-Trichloropropane
Concen: 76.418 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 75 Resp: 333637
Ion Ratio Lower Upper
75 100
77 123.6 89.1 267.4

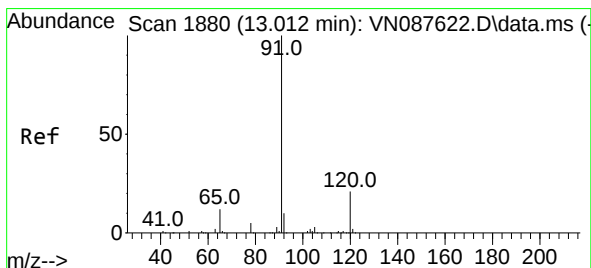
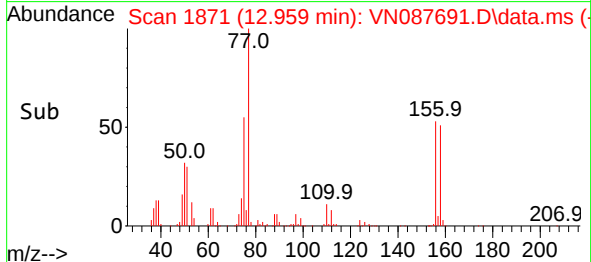
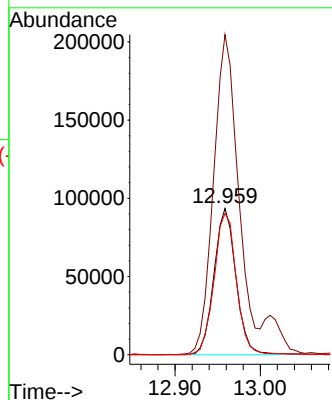
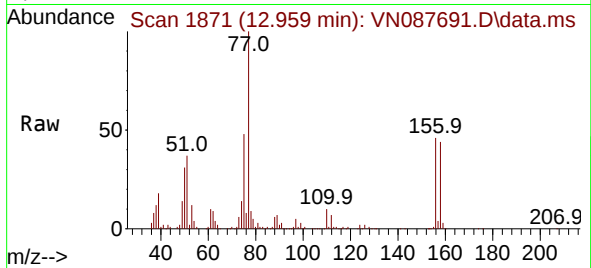




#77
Bromobenzene
Concen: 46.970 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

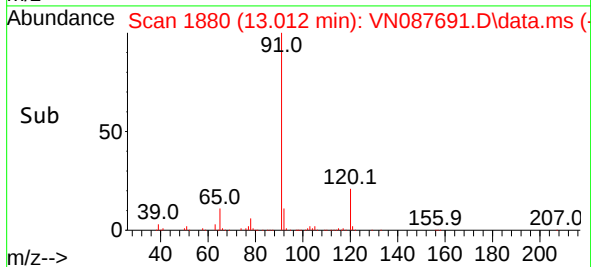
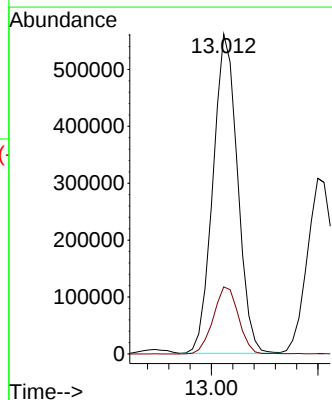
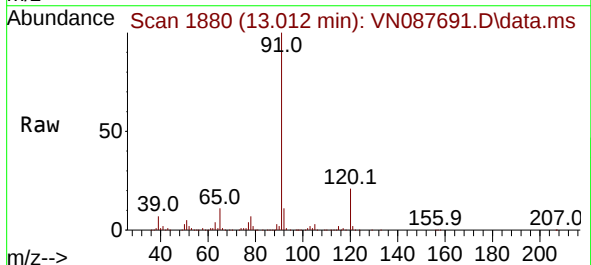
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

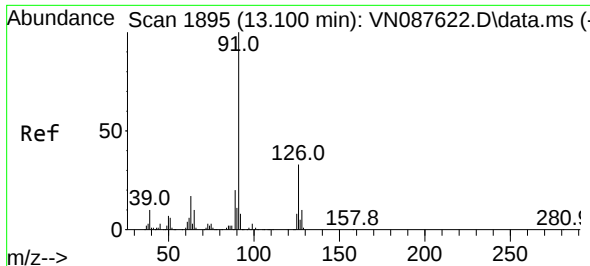
Tgt Ion:156 Resp: 166614
Ion Ratio Lower Upper
156 100
77 247.5 119.3 358.0
158 99.0 48.2 144.6



#78
n-propylbenzene
Concen: 48.438 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 91 Resp: 897604
Ion Ratio Lower Upper
91 100
120 21.6 10.7 32.1

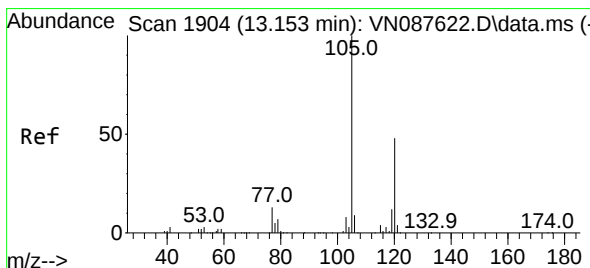
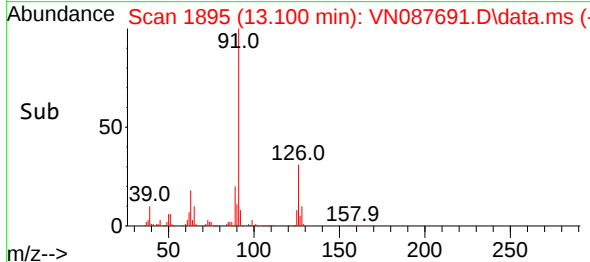
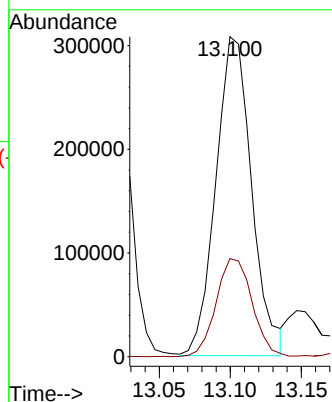
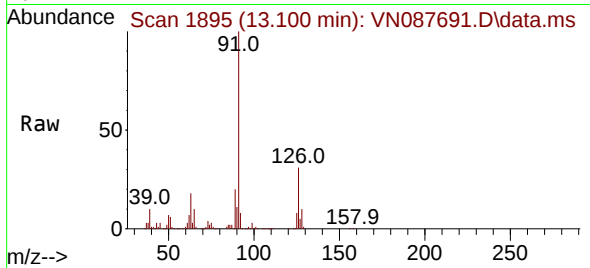




#79
2-Chlorotoluene
Concen: 48.427 ug/l
RT: 13.100 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

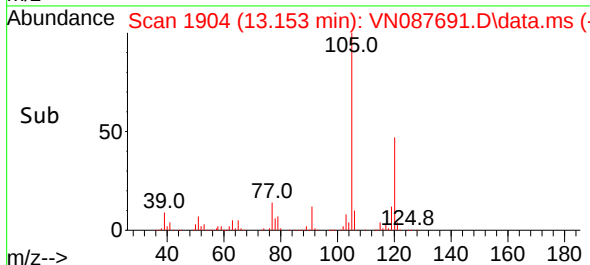
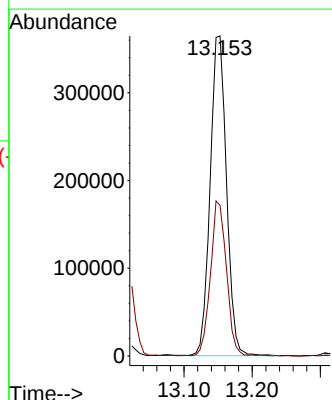
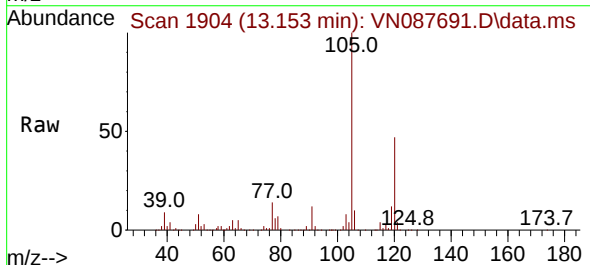
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

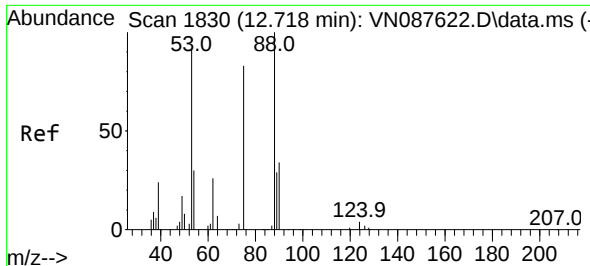
Tgt Ion: 91 Resp: 540041
Ion Ratio Lower Upper
91 100
126 31.0 16.1 48.3



#80
1,3,5-Trimethylbenzene
Concen: 47.592 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 105 Resp: 607400
Ion Ratio Lower Upper
105 100
120 47.8 23.2 69.6

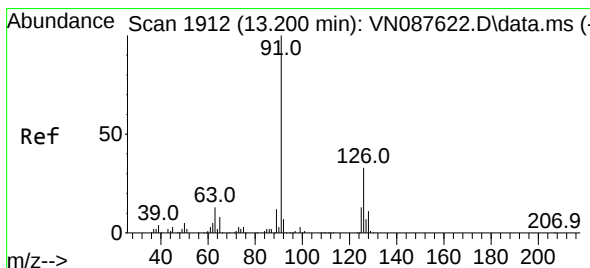
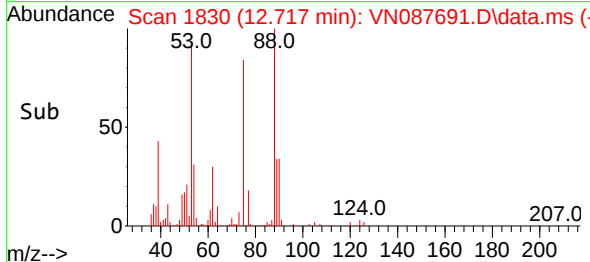
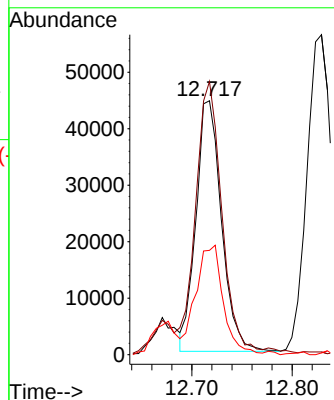
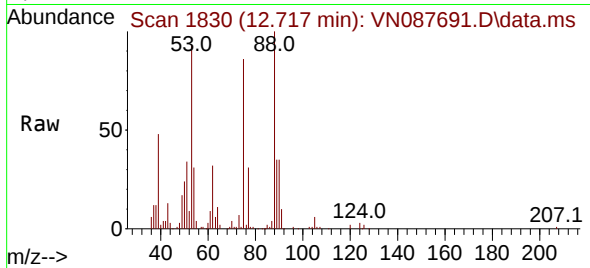




#81
trans-1,4-Dichloro-2-butene
Concen: 47.716 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

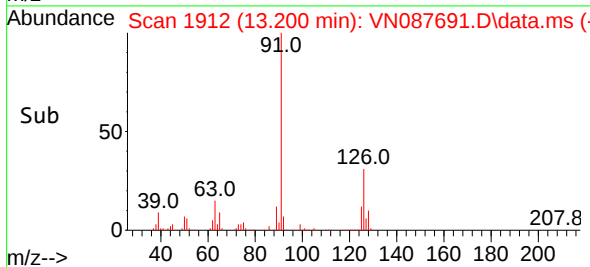
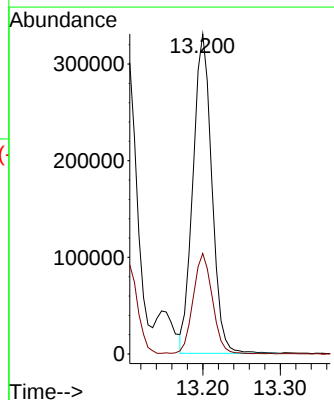
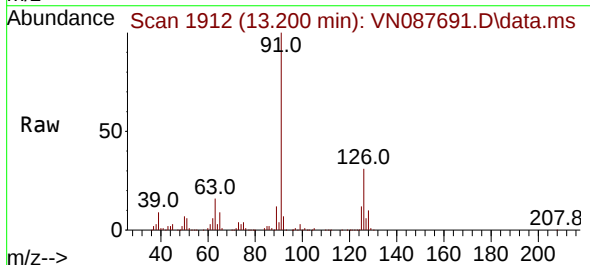
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

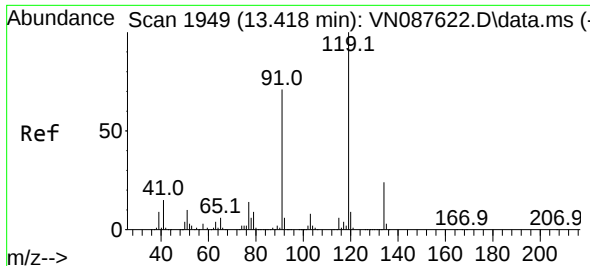
Tgt Ion: 75 Resp: 78691
Ion Ratio Lower Upper
75 100
53 108.9 101.8 152.6
89 45.7 35.6 53.4



#82
4-Chlorotoluene
Concen: 47.486 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 91 Resp: 556759
Ion Ratio Lower Upper
91 100
126 32.0 15.6 46.8

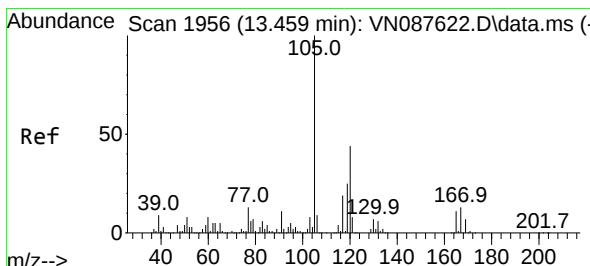
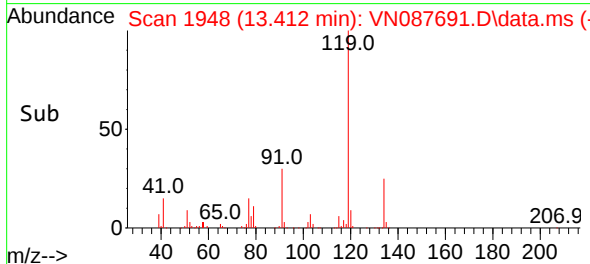
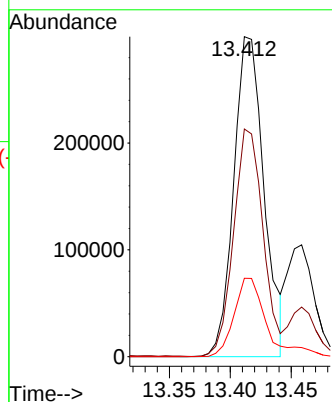
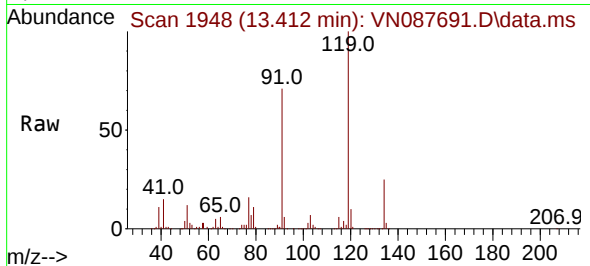




#83
 tert-Butylbenzene
 Concen: 48.756 ug/l
 RT: 13.412 min Scan# 1948
 Delta R.T. -0.006 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

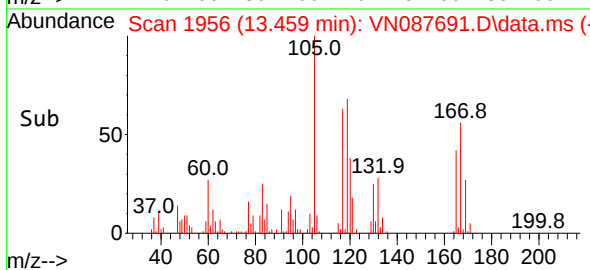
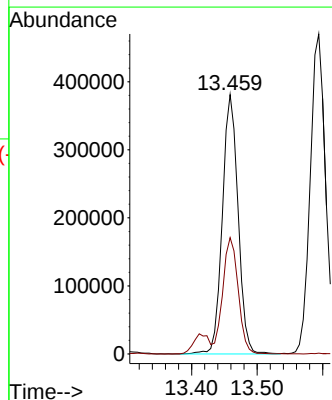
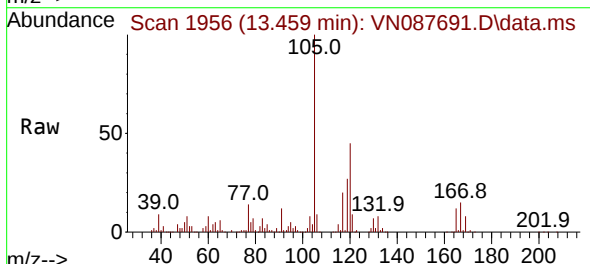
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

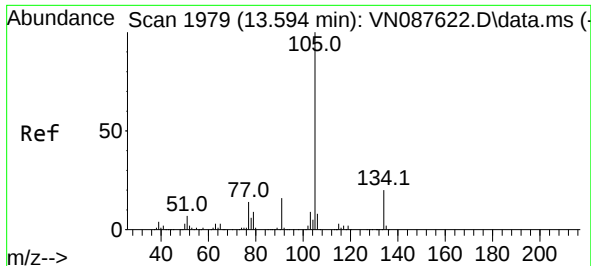
Tgt Ion:119 Resp: 518525
 Ion Ratio Lower Upper
 119 100
 91 69.1 35.0 105.0
 134 26.3 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 49.463 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

Tgt Ion:105 Resp: 631932
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.0 66.0

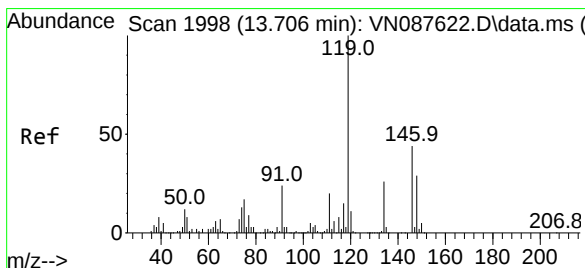
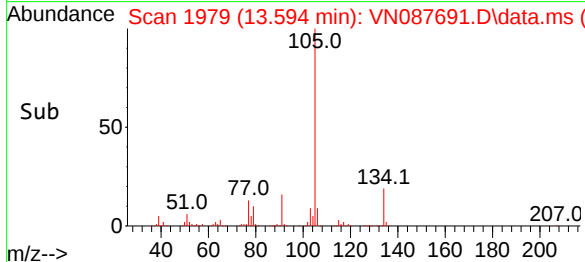
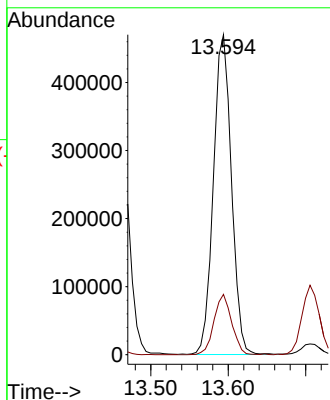
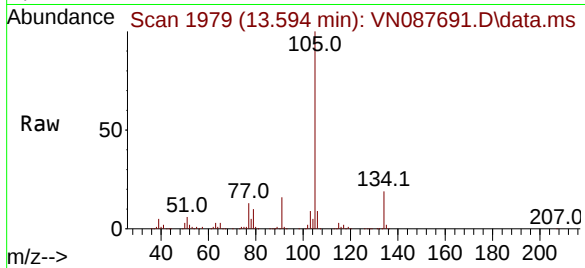




#85
 sec-Butylbenzene
 Concen: 48.195 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

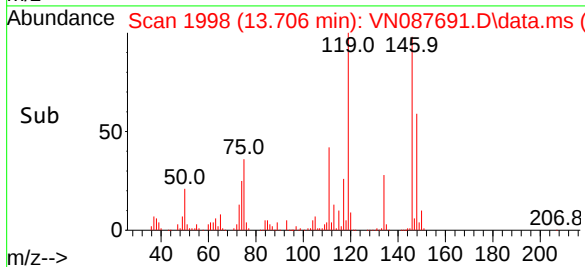
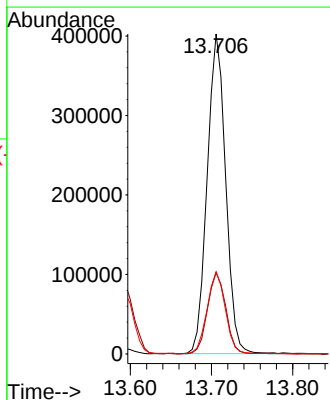
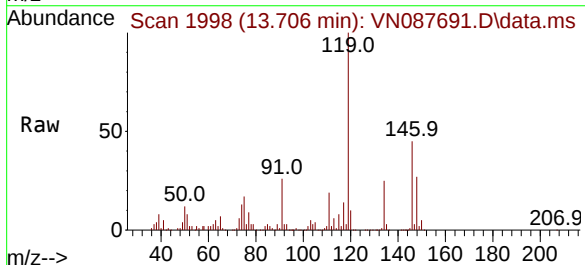
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

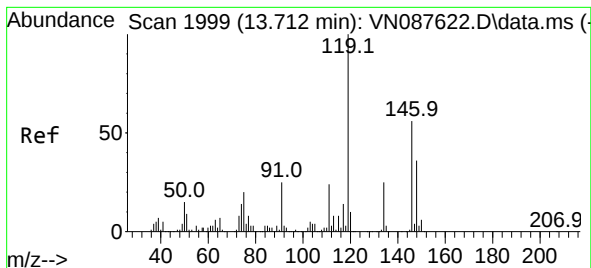
Tgt Ion:105 Resp: 760632
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 48.702 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087691.D
 Acq: 28 Aug 2025 17:14

Tgt Ion:119 Resp: 634702
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.7 38.0
 91 25.3 12.5 37.5





#87

1,3-Dichlorobenzene

Concen: 47.933 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

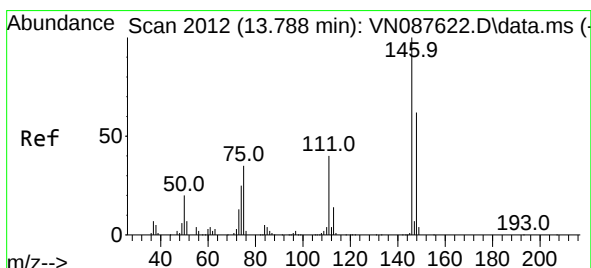
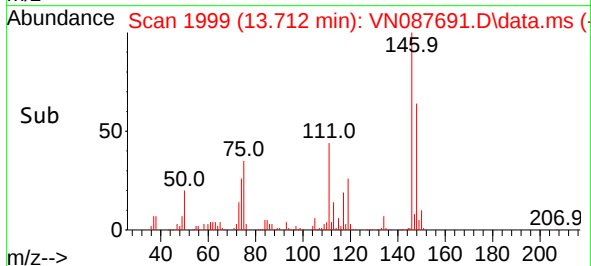
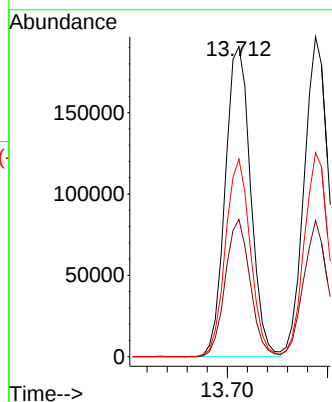
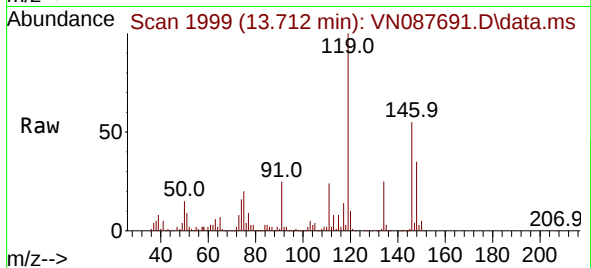
Tgt Ion:146 Resp: 334836

Ion Ratio Lower Upper

146 100

111 43.3 22.1 66.5

148 62.6 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 46.569 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

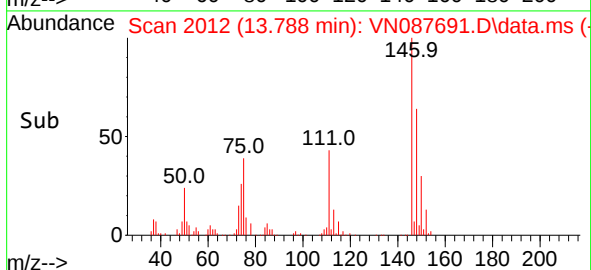
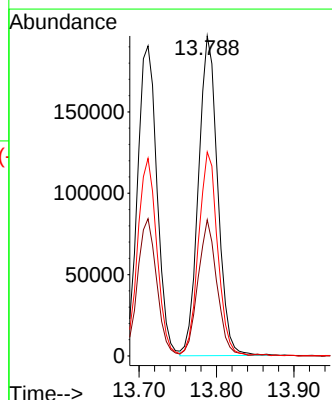
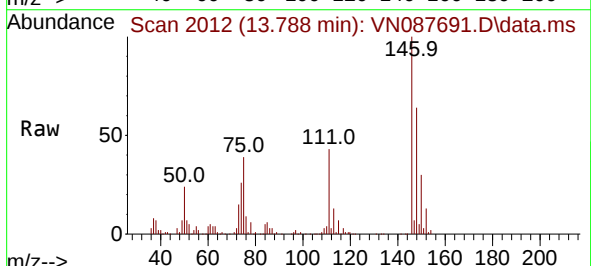
Tgt Ion:146 Resp: 338533

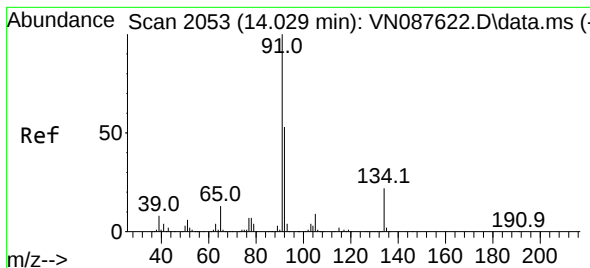
Ion Ratio Lower Upper

146 100

111 41.6 21.0 63.0

148 62.8 32.0 96.0





#89

n-Butylbenzene

Concen: 47.344 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.006 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

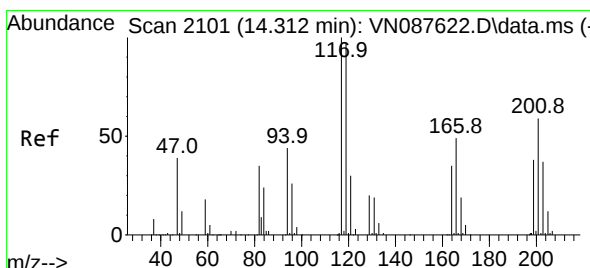
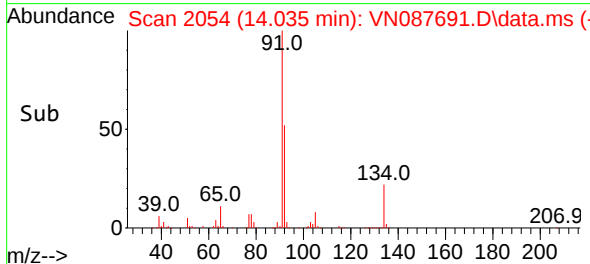
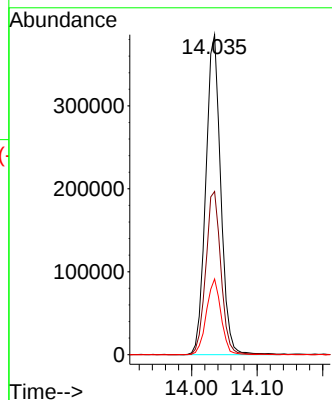
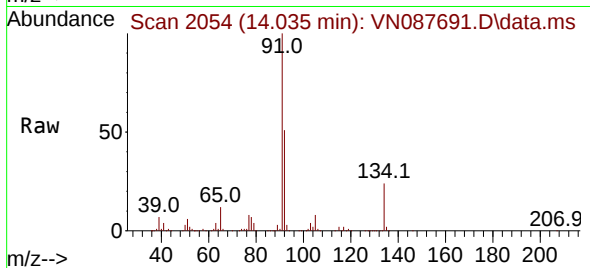
Tgt Ion: 91 Resp: 612782

Ion Ratio Lower Upper

91 100

92 51.8 25.9 77.8

134 23.2 11.7 35.0



#90

Hexachloroethane

Concen: 50.174 ug/l

RT: 14.311 min Scan# 2101

Delta R.T. -0.000 min

Lab File: VN087691.D

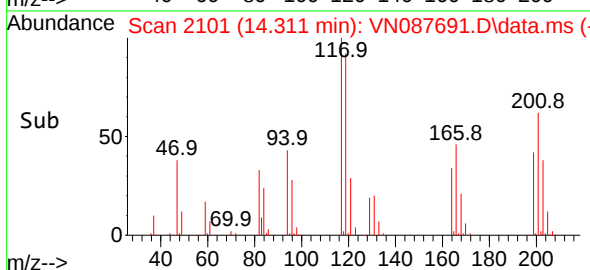
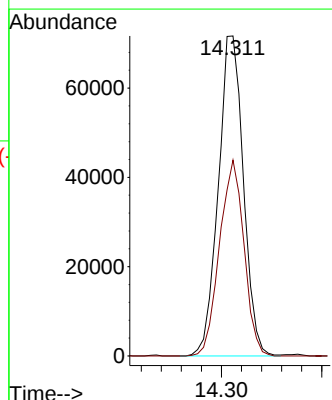
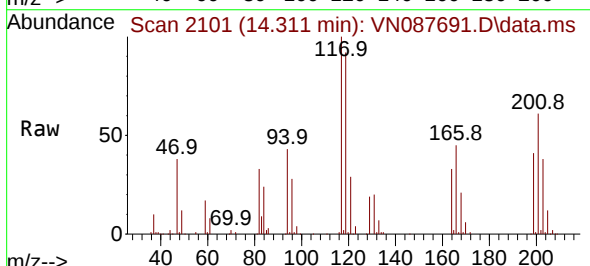
Acq: 28 Aug 2025 17:14

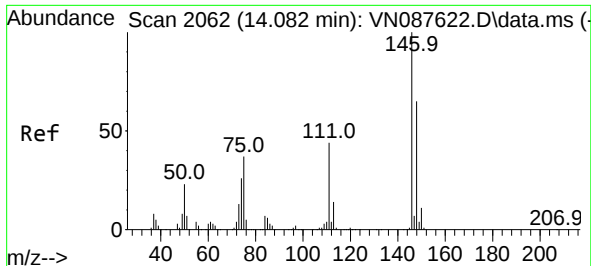
Tgt Ion: 117 Resp: 124577

Ion Ratio Lower Upper

117 100

201 59.6 29.1 87.4

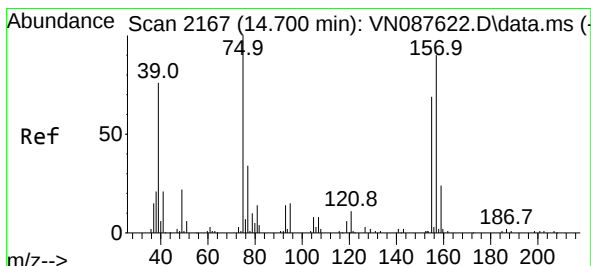
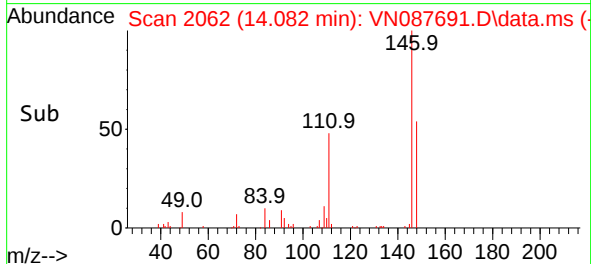
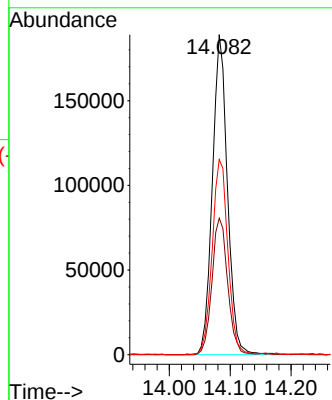
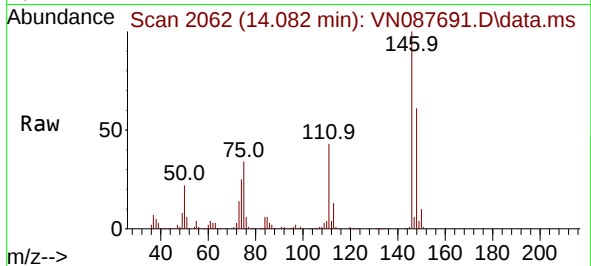




#91
1,2-Dichlorobenzene
Concen: 49.077 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

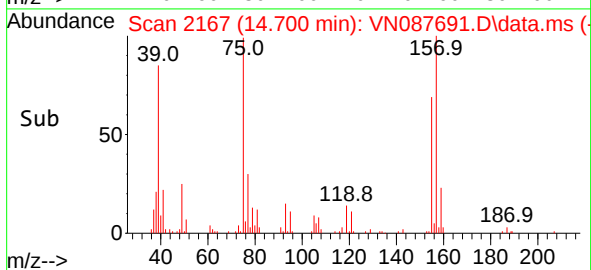
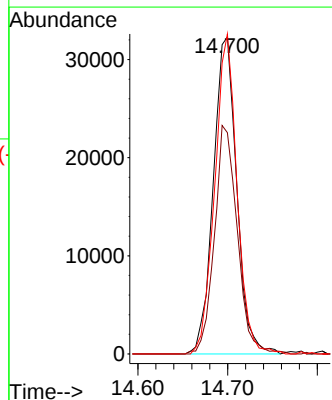
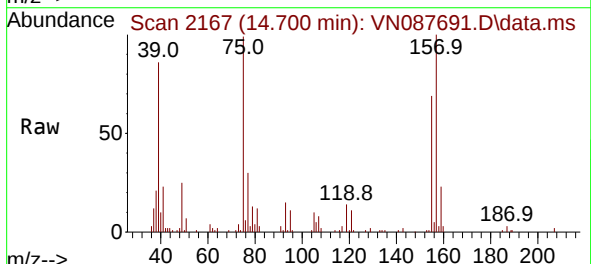
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 325243
Ion Ratio Lower Upper
146 100
111 44.3 22.6 67.8
148 63.7 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 47.524 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. -0.000 min
Lab File: VN087691.D
Acq: 28 Aug 2025 17:14

Tgt Ion: 75 Resp: 58475
Ion Ratio Lower Upper
75 100
155 70.6 36.6 109.9
157 95.9 45.6 136.9





#93

1,2,4-Trichlorobenzene

Concen: 47.495 ug/l

RT: 15.370 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

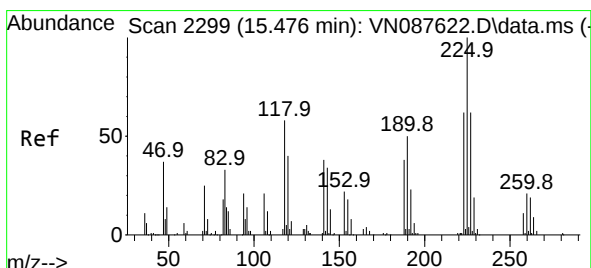
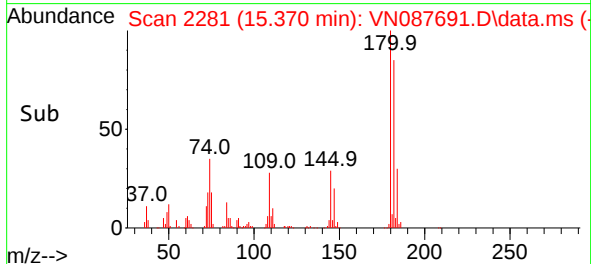
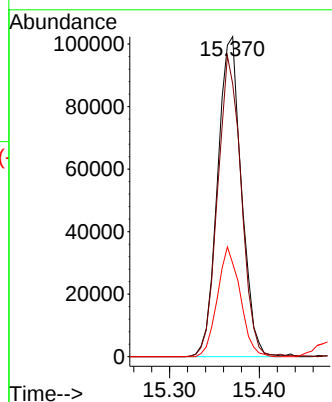
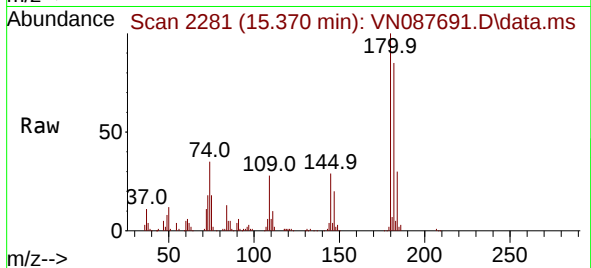
Tgt Ion:180 Resp: 189009

Ion Ratio Lower Upper

180 100

182 92.9 47.6 142.9

145 32.7 16.5 49.5



#94

Hexachlorobutadiene

Concen: 45.304 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

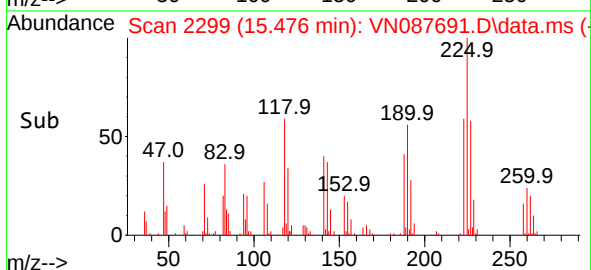
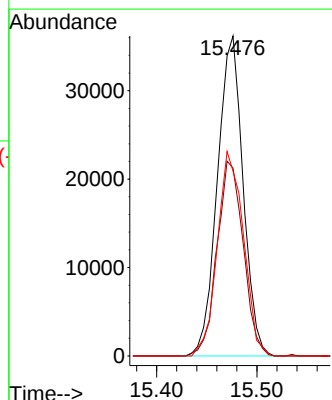
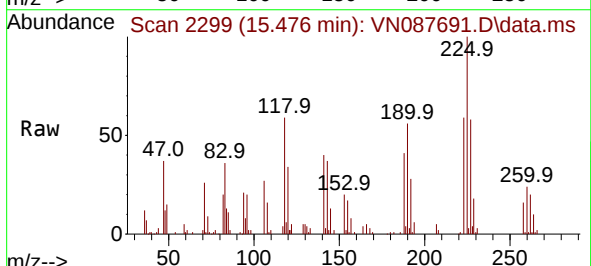
Tgt Ion:225 Resp: 64274

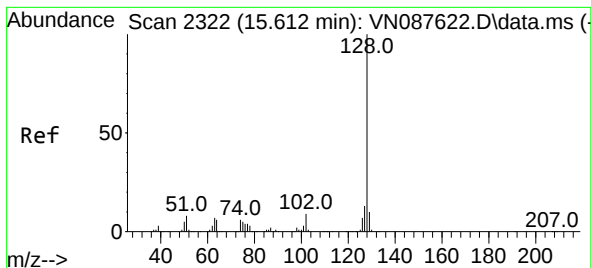
Ion Ratio Lower Upper

225 100

223 62.2 32.0 96.2

227 65.2 32.1 96.5





#95

Naphthalene

Concen: 49.229 ug/l

RT: 15.611 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

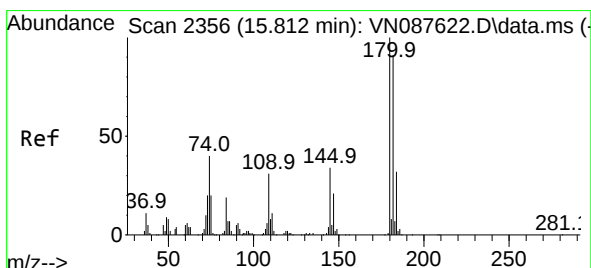
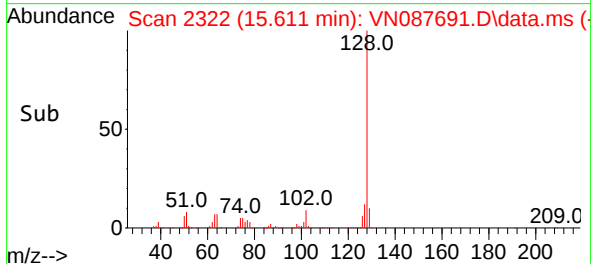
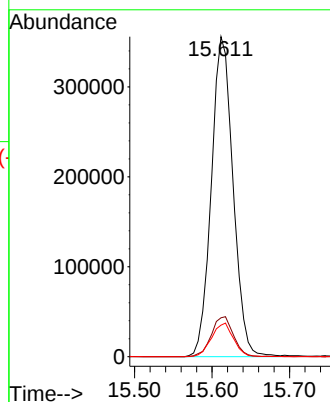
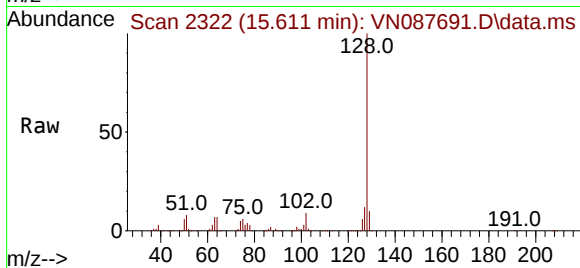
Tgt Ion:128 Resp: 693915

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 10.7 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 46.689 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. -0.000 min

Lab File: VN087691.D

Acq: 28 Aug 2025 17:14

Tgt Ion:180 Resp: 181640

Ion Ratio Lower Upper

180 100

182 93.8 46.8 140.3

145 35.8 17.3 52.0

