

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
 Data File : VN087811.D
 Acq On : 12 Sep 2025 10:04
 Operator : JC\MD
 Sample : VSTDC0020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0020

Quant Time: Sep 12 22:49:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	60784	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	303424	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	286682	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	151019	29.085	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.933%
60) 4-Bromofluorobenzene	12.823	95	140888	30.564	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.867%
63) Toluene-d8	10.547	98	395502	29.665	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.148	85	65399	17.311	ug/l	93
3) Chloromethane	2.383	50	63571	16.030	ug/l	98
4) Vinyl Chloride	2.536	62	73556	16.408	ug/l	91
5) Bromomethane	2.983	94	34972	13.298	ug/l	87
6) Chloroethane	3.136	64	46438	15.156	ug/l #	86
7) Trichlorofluoromethane	3.512	101	111490	16.967	ug/l #	84
8) Diethyl Ether	3.965	74	43275	15.596	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	60106	16.888	ug/l	60
10) 1,1-Dichloroethene	4.336	96	59702	16.270	ug/l	86
11) Methyl Iodide	4.577	142	16813	6.473	ug/l	98
12) Methyl Acetate	5.018	43	94087	16.633	ug/l	99
13) Acrolein	4.306	56	651	0.646	ug/l	90
14) Acrylonitrile	5.706	53	195852	80.440	ug/l	98
15) Acetone	4.418	58	64299	84.655	ug/l	89
16) Carbon Disulfide	4.700	76	172763	17.148	ug/l #	93
17) Allyl chloride	5.012	41	98716	16.471	ug/l	96
18) Methylene Chloride	5.259	84	69382	16.692	ug/l	87
19) trans-1,2-Dichloroethene	5.777	96	62759	16.770	ug/l	91
20) Diisopropyl ether	6.659	45	217984	15.816	ug/l	95
21) 1,1-Dichloroethane	6.547	63	123875	16.412	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	73827	16.252	ug/l	96
23) tert-Butyl Alcohol	5.530	59	67900	78.891	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	215930	16.483	ug/l #	81
25) Chloroform	7.947	83	130701	16.544	ug/l	97
26) Cyclohexane	8.230	56	94965	16.522	ug/l #	98
29) 1,1-Dichloropropene	8.359	75	81944	16.617	ug/l	98
30) 2-Butanone	7.465	43	284761	83.828	ug/l	98
31) 2,2-Dichloropropane	7.471	77	108005	18.169	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	105895	16.939	ug/l	99
33) Carbon Tetrachloride	8.347	117	87831	16.849	ug/l	91
34) Benzene	8.588	78	267682	16.796	ug/l #	93
35) Methacrylonitrile	7.765	41	62901	17.703	ug/l	97
36) 1,2-Dichloroethane	8.653	62	101452	16.853	ug/l	99
37) Trichloroethene	9.335	130	63376	17.789	ug/l	94
38) Methylcyclohexane	9.582	83	93927	17.298	ug/l	97
39) 1,2-Dichloropropane	9.600	63	68081	16.679	ug/l	95
40) Dibromomethane	9.688	93	53122	17.488	ug/l	98
41) Bromodichloromethane	9.871	83	107797	17.362	ug/l	98
42) Vinyl Acetate	6.589	43	903232	79.581	ug/l	99

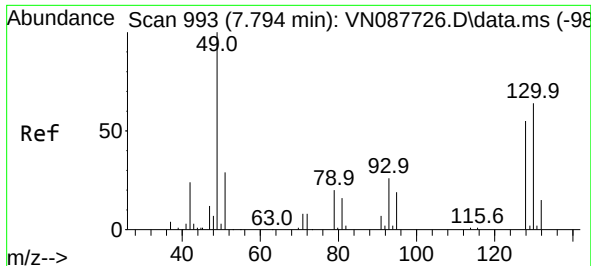
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
 Data File : VN087811.D
 Acq On : 12 Sep 2025 10:04
 Operator : JC\MD
 Sample : VSTDCCC020
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 12 22:49:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 05 03:29:53 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	117417	16.918	ug/l	95
44) Isopropyl Acetate	8.671	43	175405	16.122	ug/l	99
45) 1,4-Dioxane	9.682	88	24502	357.098	ug/l	92
46) Methyl methacrylate	9.665	41	68329	13.625	ug/l	98
48) t-1,3-Dichloropropene	10.818	75	106559	16.525	ug/l	98
49) cis-1,3-Dichloropropene	10.288	75	111066	16.816	ug/l	92
50) 1,1,2-Trichloroethane	10.994	97	69186	17.634	ug/l	95
51) Ethyl methacrylate	10.859	69	93517	15.316	ug/l	97
52) 1,3-Dichloropropane	11.141	76	115632	16.972	ug/l	99
53) Dibromochloromethane	11.335	129	76459	17.380	ug/l	88
54) 1,2-Dibromoethane	11.447	107	68179	16.700	ug/l	95
55) 2-Chloroethyl vinyl ether	10.141	63	327174	93.520	ug/l	98
56) Bromoform	12.559	173	47879	16.666	ug/l #	98
58) 4-Methyl-2-Pentanone	10.424	43	561146	82.782	ug/l	99
59) 2-Hexanone	11.176	43	354546	80.044	ug/l	99
61) Tetrachloroethene	11.082	164	51713	18.118	ug/l	96
62) Toluene	10.606	91	290761	16.767	ug/l	99
64) Chlorobenzene	11.871	112	182160	17.115	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.935	131	66968	17.872	ug/l	93
66) Ethyl Benzene	11.941	91	314142	16.792	ug/l	97
67) m/p-Xylenes	12.047	106	232560	33.488	ug/l	95
68) o-Xylene	12.376	106	113988	16.929	ug/l	100
69) Styrene	12.394	104	190780	16.302	ug/l	99
70) Isopropylbenzene	12.676	105	289180	16.938	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	104036	16.950	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	131295	21.787	ug/l	55
73) Bromobenzene	12.959	156	71391	17.091	ug/l	93
74) n-propylbenzene	13.012	91	367468	17.059	ug/l	100
75) 2-Chlorotoluene	13.106	91	216456	16.695	ug/l	95
76) 1,3,5-Trimethylbenzene	13.147	105	244576	16.964	ug/l	96
77) t-1,4-Dichloro-2-butene	12.718	75	29221	14.366	ug/l	96
78) 4-Chlorotoluene	13.200	91	216873	16.592	ug/l	99
79) tert-butylbenzene	13.418	119	209027	17.312	ug/l	95
80) 1,2,4-Trimethylbenzene	13.459	105	251821	17.037	ug/l	97
81) sec-Butylbenzene	13.594	105	311772	17.555	ug/l	98
82) p-Isopropyltoluene	13.706	119	257669	17.609	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	142868	17.741	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	143919	17.830	ug/l	97
85) n-Butylbenzene	14.035	91	252867	17.978	ug/l	98
86) Hexachloroethane	14.312	117	51642	17.375	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	137930	18.161	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.700	75	21522	15.801	ug/l	85
89) 1,2,4-Trichlorobenzene	15.811	180	76825	17.784	ug/l	97
90) Hexachlorobutadiene	15.476	225	31231	21.566	ug/l	91
91) Naphthalene	15.611	128	257449	16.188	ug/l	98
92) 1,2,3-Trichlorobenzene	15.811	180	76825	17.784	ug/l	97

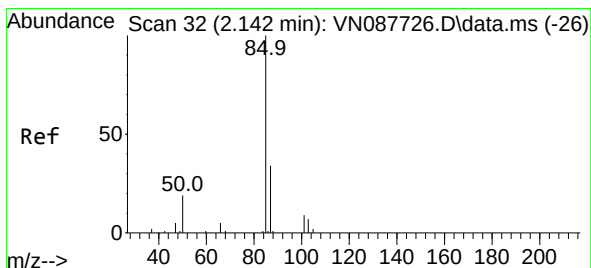
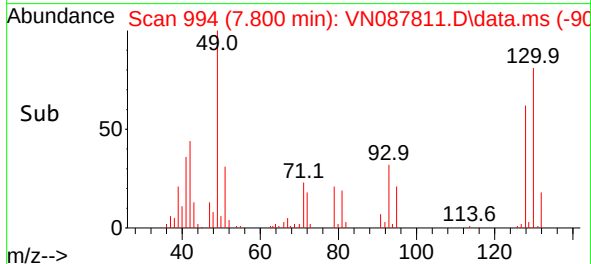
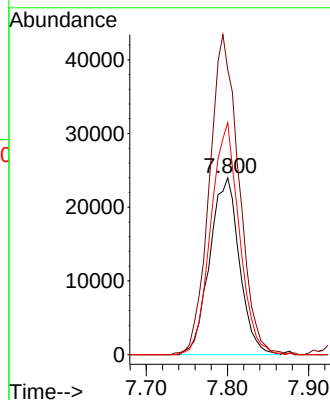
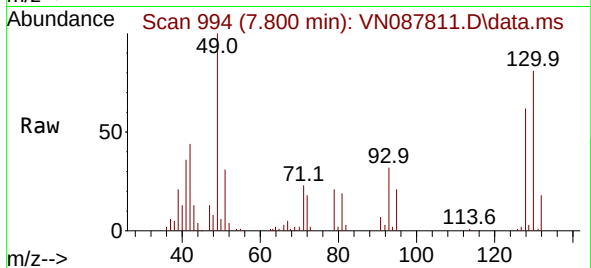
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

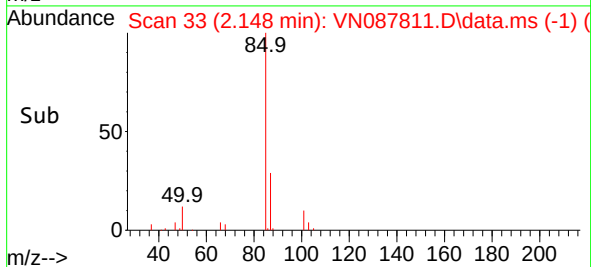
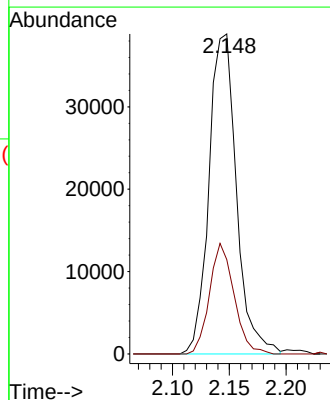
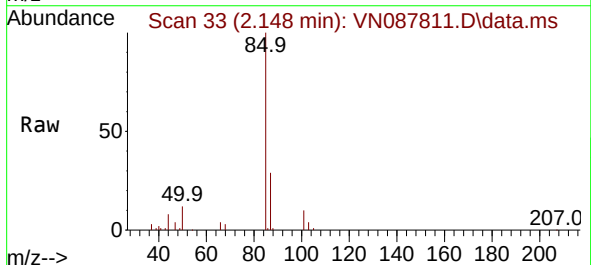
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

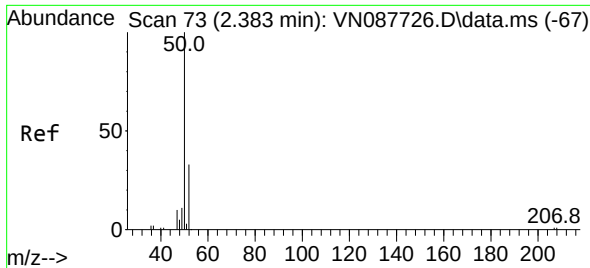
Tgt Ion:128 Resp: 60784
Ion Ratio Lower Upper
128 100
49 180.5 0.0 464.3
130 126.2 0.0 300.5



#2
Dichlorodifluoromethane
Concen: 17.311 ug/l
RT: 2.148 min Scan# 33
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 85 Resp: 65399
Ion Ratio Lower Upper
85 100
87 29.5 16.8 50.4

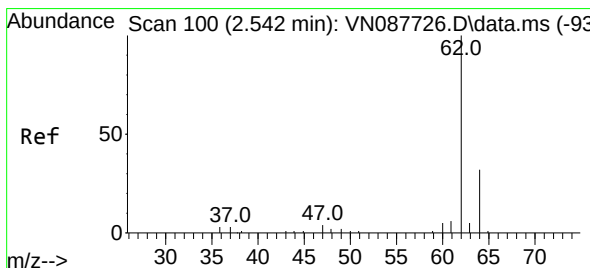
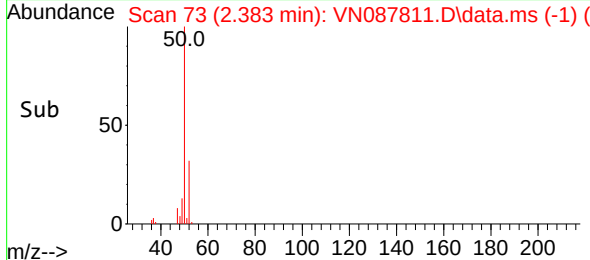
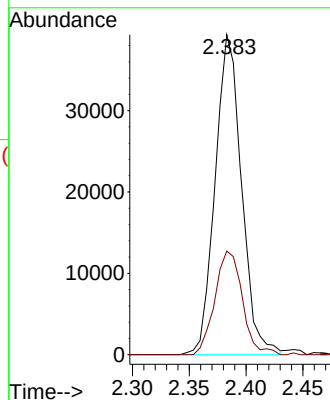
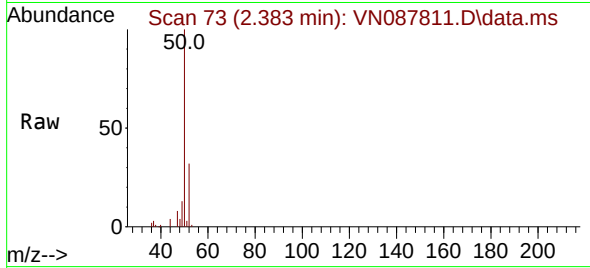




#3
Chloromethane
Concen: 16.030 ug/l
RT: 2.383 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

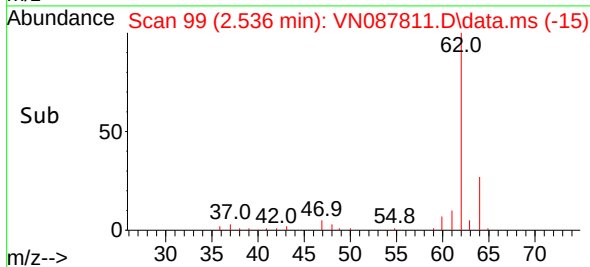
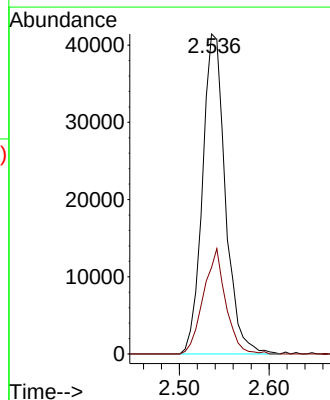
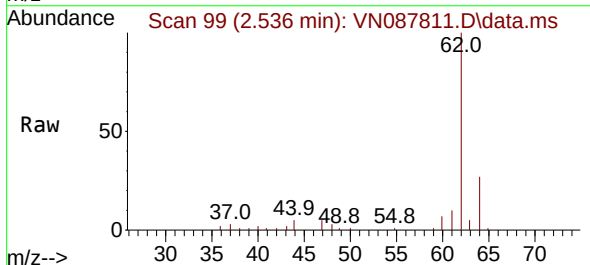
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MSVOA_N
ClientSampleId :
VSTDCCC020

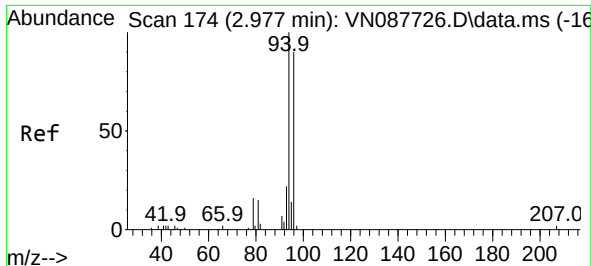
Tgt Ion: 50 Resp: 63571
Ion Ratio Lower Upper
50 100
52 32.4 26.6 40.0



#4
Vinyl Chloride
Concen: 16.408 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 62 Resp: 73556
Ion Ratio Lower Upper
62 100
64 27.1 25.5 38.3

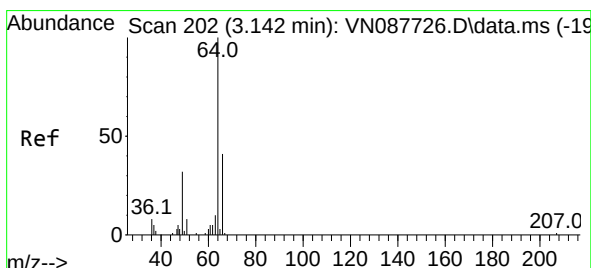
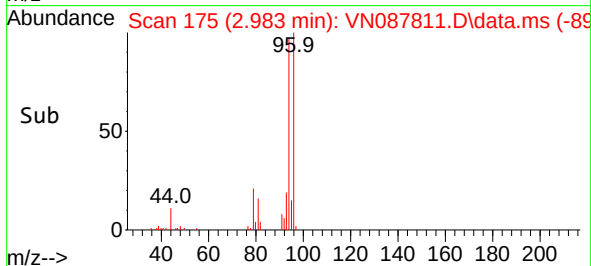
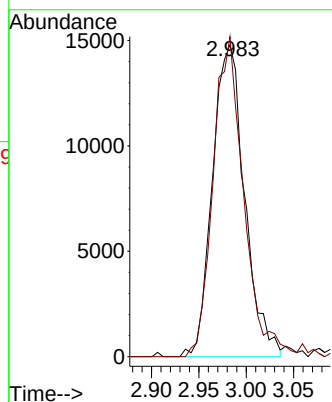
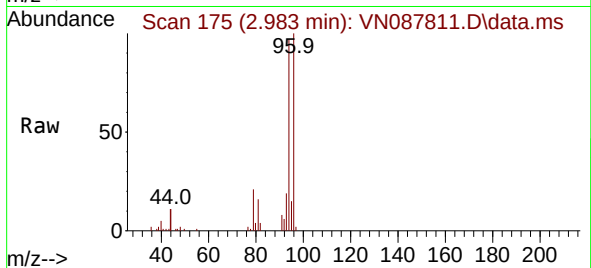




#5
Bromomethane
Concen: 13.298 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

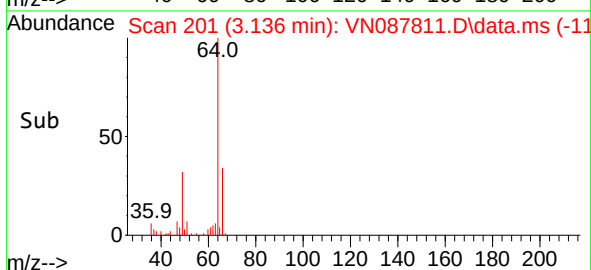
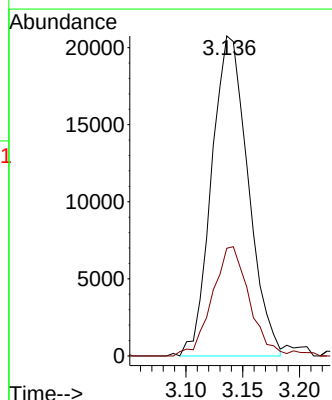
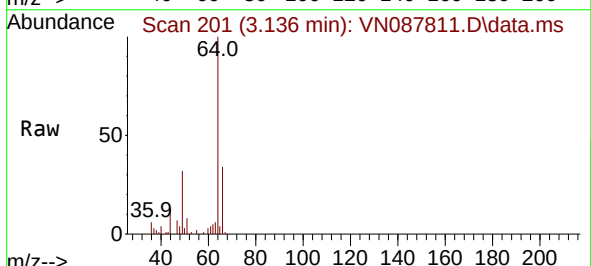
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ClientSampleId :
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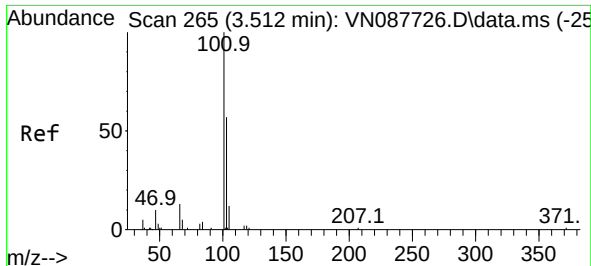
Tgt Ion: 94 Resp: 34972
Ion Ratio Lower Upper
94 100
96 102.6 72.2 108.4



#6
Chloroethane
Concen: 15.156 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 64 Resp: 46438
Ion Ratio Lower Upper
64 100
66 32.3 32.8 49.2#

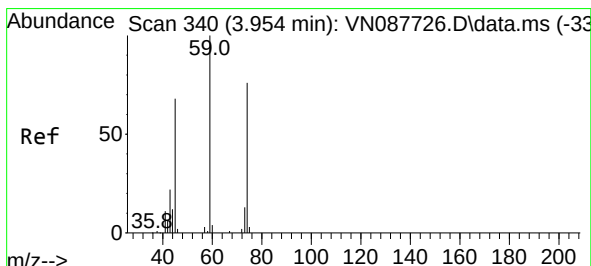
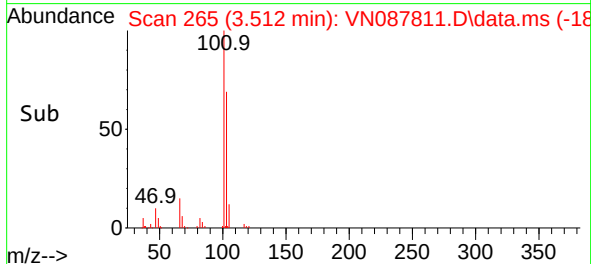
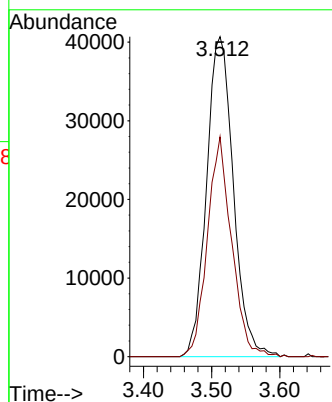
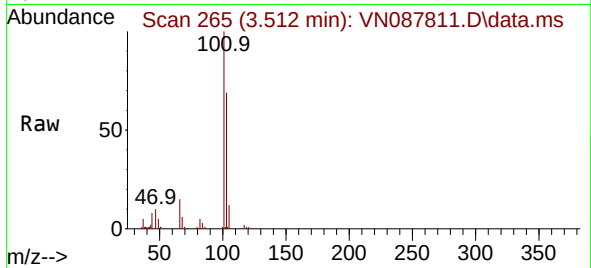




#7
 Trichlorofluoromethane
 Concen: 16.967 ug/l
 RT: 3.512 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN087811.D
 Acq: 12 Sep 2025 10:04

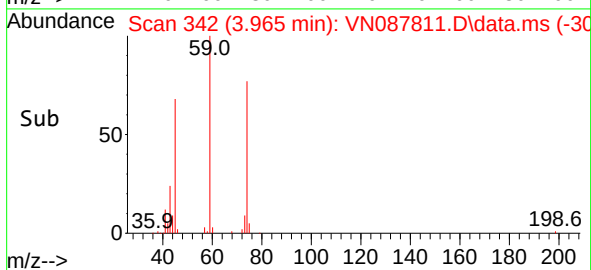
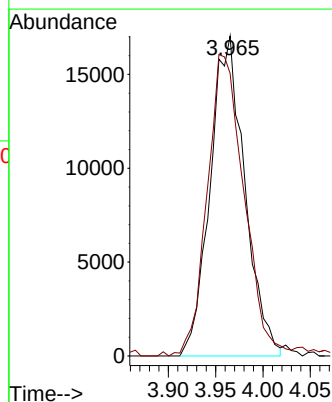
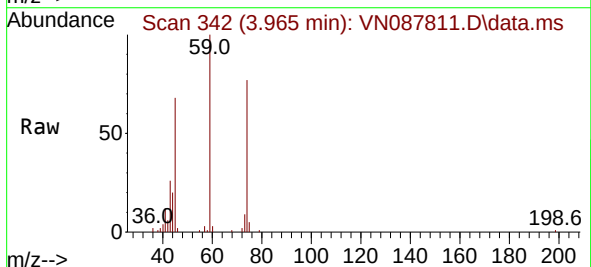
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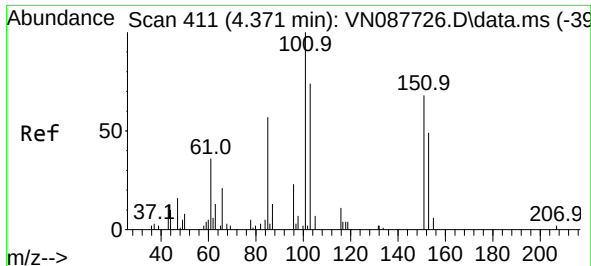
Tgt Ion:101 Resp: 111490
 Ion Ratio Lower Upper
 101 100
 103 68.7 45.7 68.5#



#8
 Diethyl Ether
 Concen: 15.596 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.012 min
 Lab File: VN087811.D
 Acq: 12 Sep 2025 10:04

Tgt Ion: 74 Resp: 43275
 Ion Ratio Lower Upper
 74 100
 45 100.2 20.4 183.8

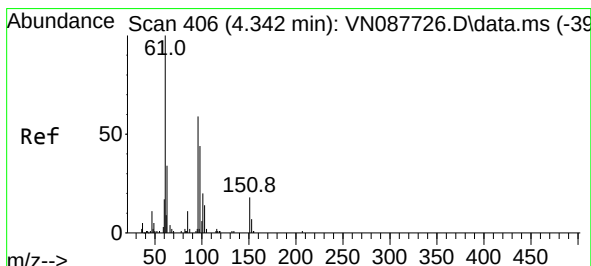
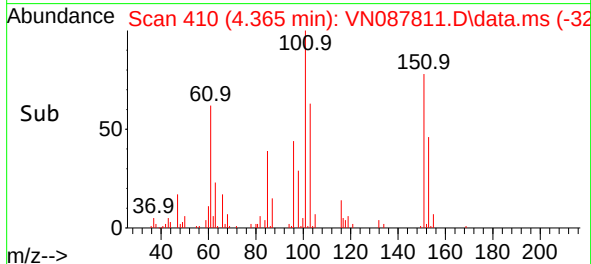
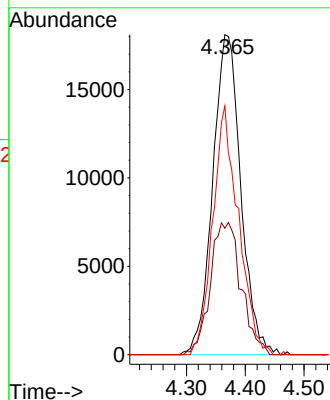
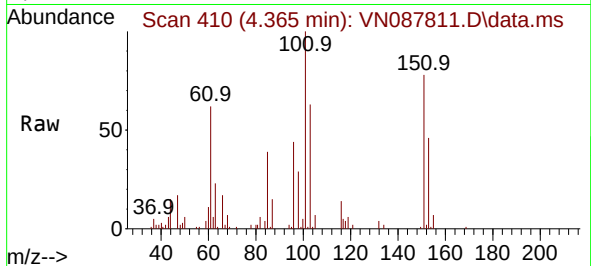




#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.888 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

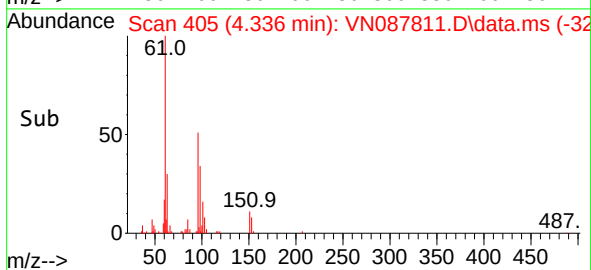
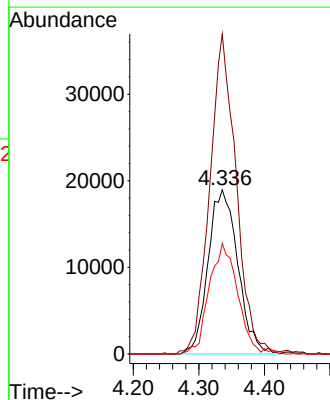
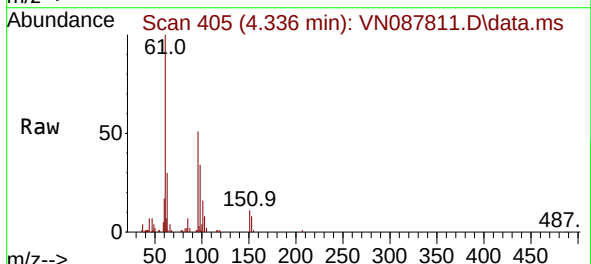
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MSVOA_N
ClientSampleId :
VSTDCCC020

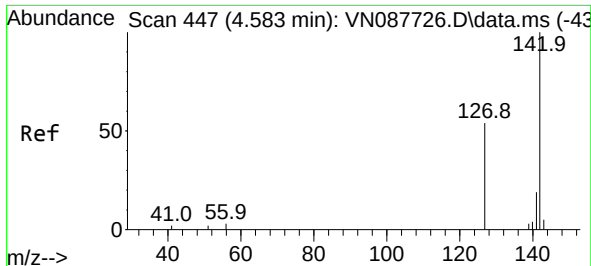
Tgt Ion:101 Resp: 60106
Ion Ratio Lower Upper
101 100
85 23.3 0.0 95.6
151 70.6 0.0 85.8



#10
1,1-Dichloroethene
Concen: 16.270 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 96 Resp: 59702
Ion Ratio Lower Upper
96 100
61 193.5 135.9 203.9
98 67.2 59.2 88.8

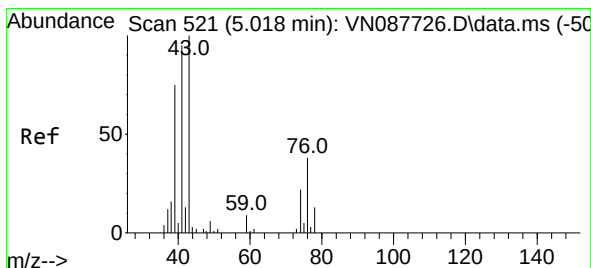
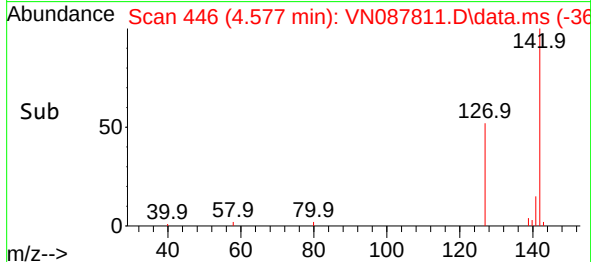
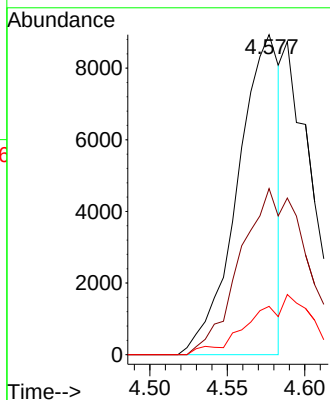
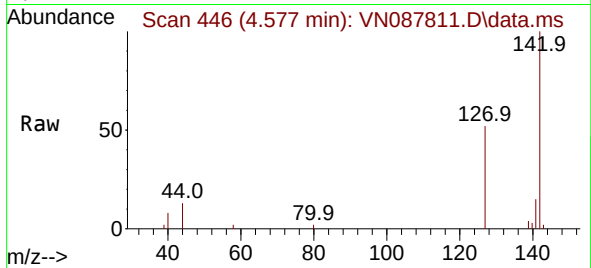




#11
Methyl Iodide
Concen: 6.473 ug/l
RT: 4.577 min Scan# 447
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

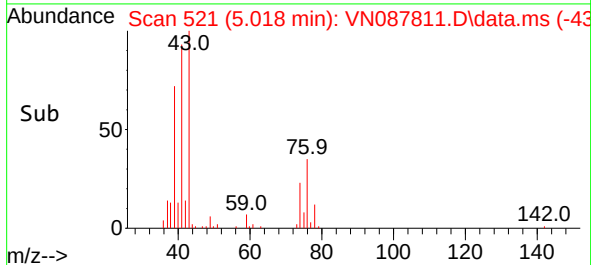
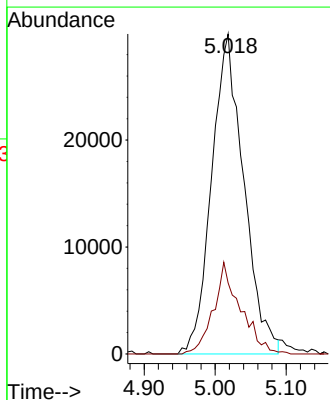
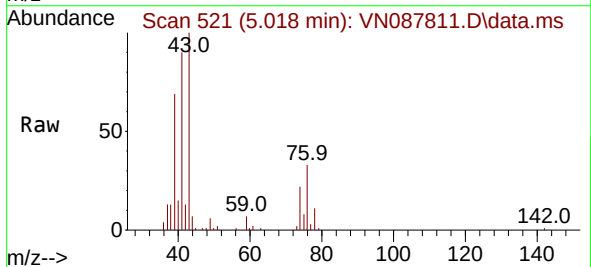
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

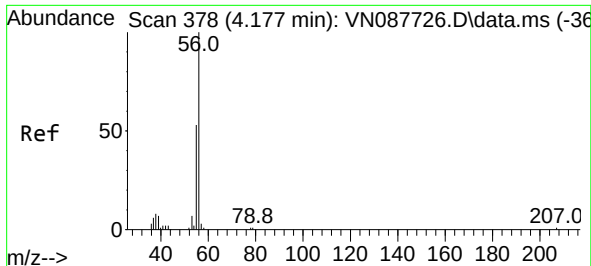
Tgt Ion:142 Resp: 16813
Ion Ratio Lower Upper
142 100
127 55.1 27.9 83.7
141 16.7 9.6 28.8



#12
Methyl Acetate
Concen: 16.633 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 43 Resp: 94087
Ion Ratio Lower Upper
43 100
74 22.4 17.5 26.3

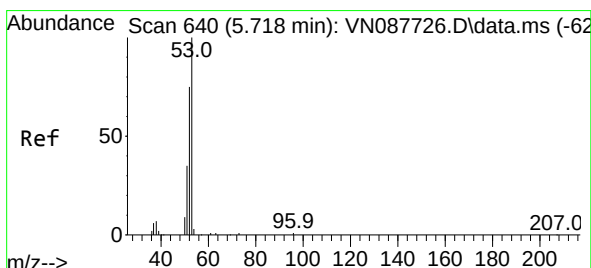
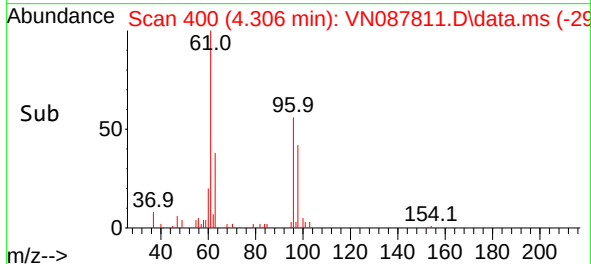
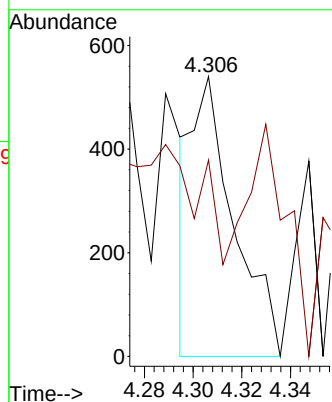
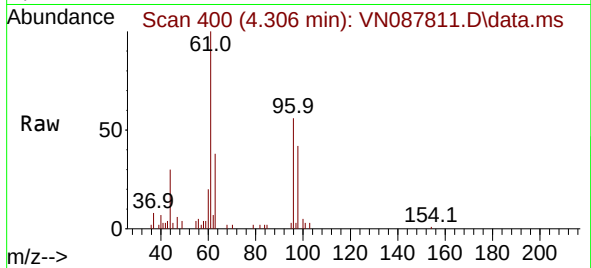




#13
Acrolein
Concen: 0.646 ug/l
RT: 4.306 min Scan# 40
Delta R.T. 0.129 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

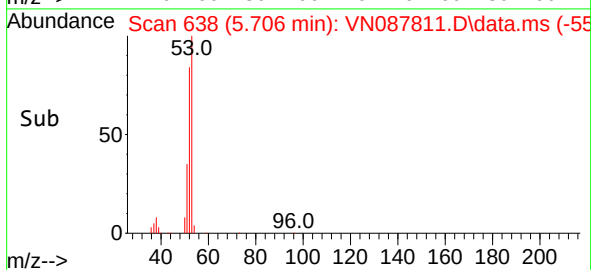
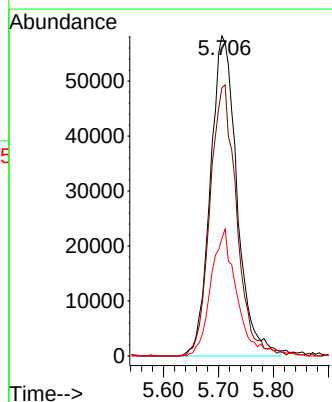
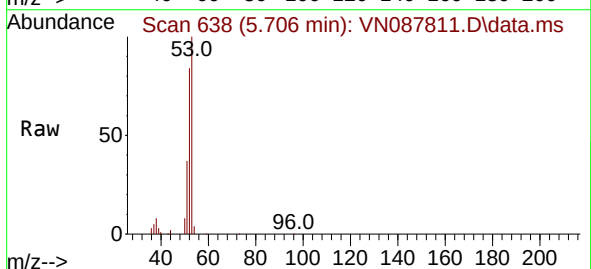
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

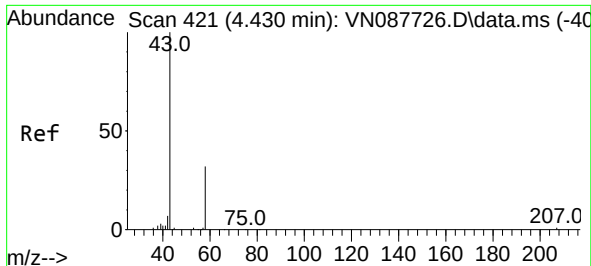
Tgt Ion: 56 Resp: 651
Ion Ratio Lower Upper
56 100
55 30.1 28.6 42.8



#14
Acrylonitrile
Concen: 80.440 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.012 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 53 Resp: 195852
Ion Ratio Lower Upper
53 100
52 82.7 40.9 122.7
51 37.8 18.1 54.1

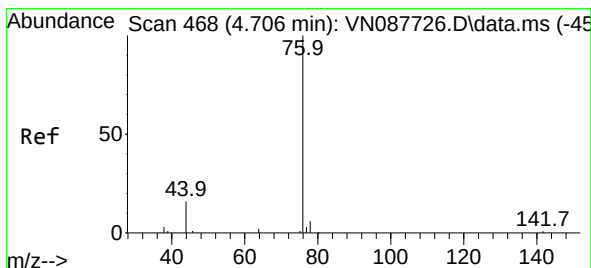
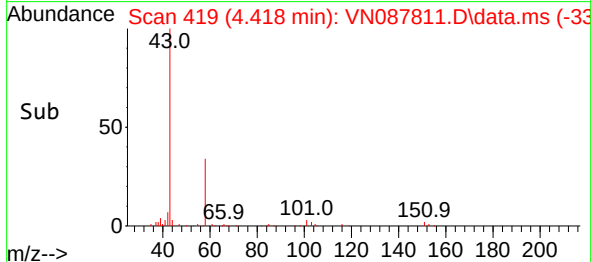
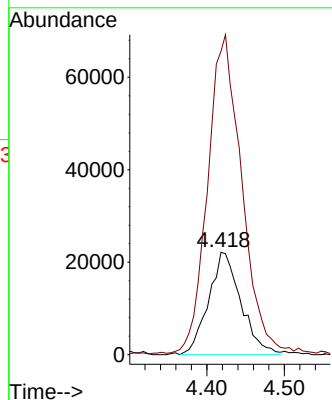
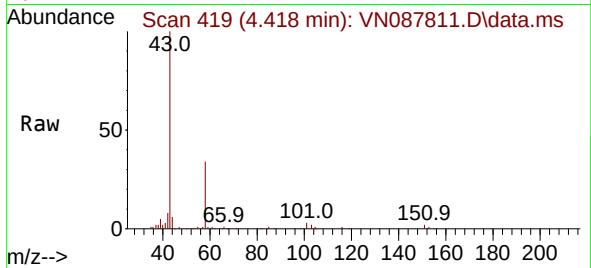




#15
Acetone
Concen: 84.655 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.012 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

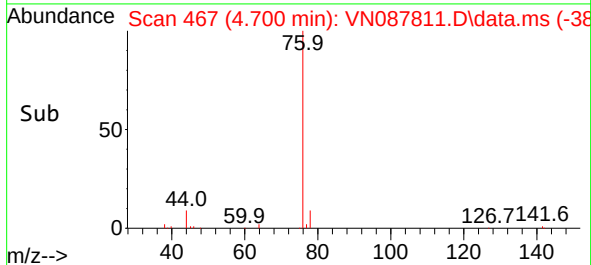
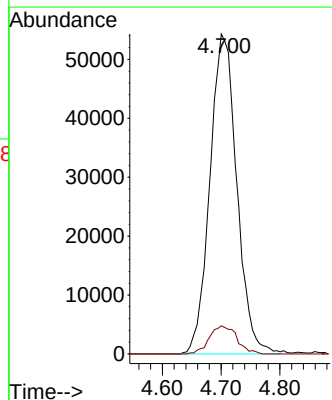
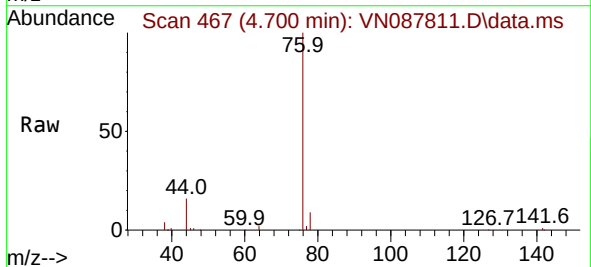
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

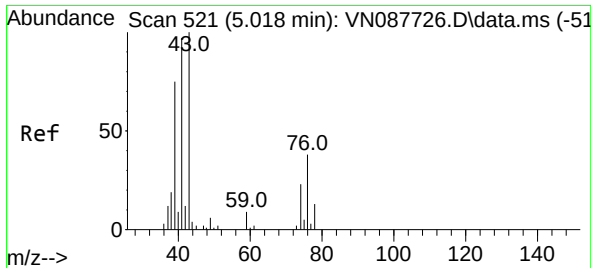
Tgt Ion: 58 Resp: 64299
Ion Ratio Lower Upper
58 100
43 291.1 250.6 376.0



#16
Carbon Disulfide
Concen: 17.148 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 76 Resp: 172763
Ion Ratio Lower Upper
76 100
78 8.8 5.0 7.6#

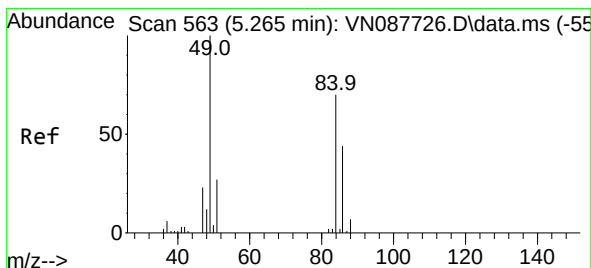
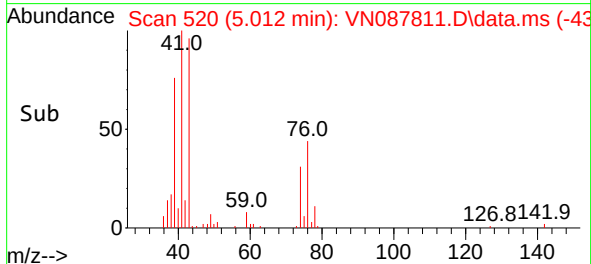
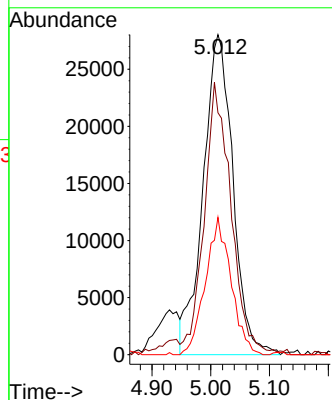
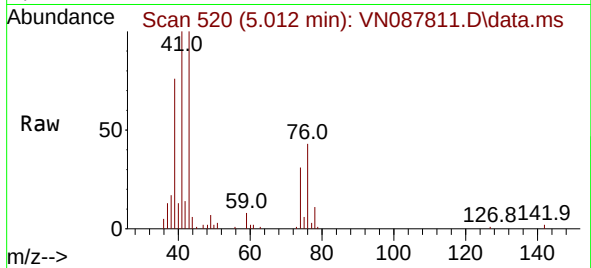




#17
 Allyl chloride
 Concen: 16.471 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN087811.D
 Acq: 12 Sep 2025 10:04

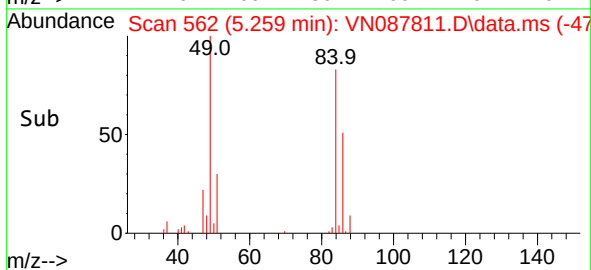
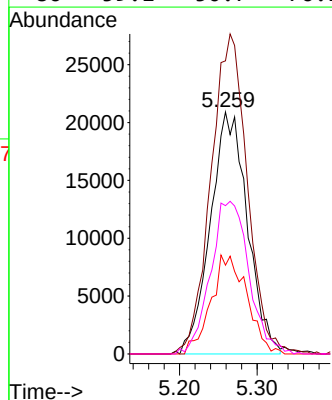
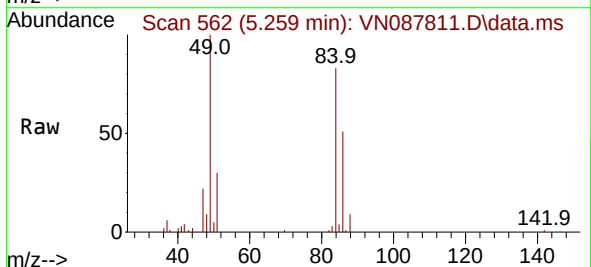
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

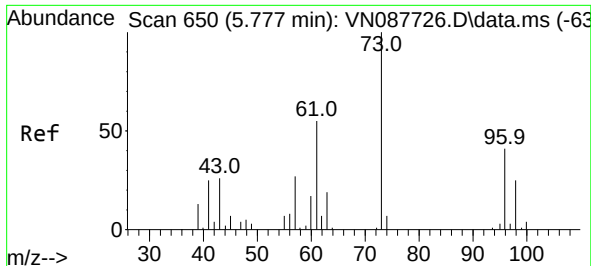
Tgt Ion: 41 Resp: 98716
 Ion Ratio Lower Upper
 41 100
 39 74.5 36.7 110.1
 76 42.9 18.3 54.8



#18
 Methylene Chloride
 Concen: 16.692 ug/l
 RT: 5.259 min Scan# 562
 Delta R.T. -0.006 min
 Lab File: VN087811.D
 Acq: 12 Sep 2025 10:04

Tgt Ion: 84 Resp: 69382
 Ion Ratio Lower Upper
 84 100
 49 118.5 114.1 171.1
 51 36.7 30.2 45.4
 86 59.1 50.7 76.1





#19

trans-1,2-Dichloroethene

Concen: 16.770 ug/l

RT: 5.777 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

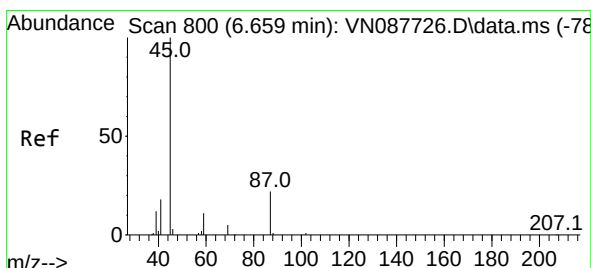
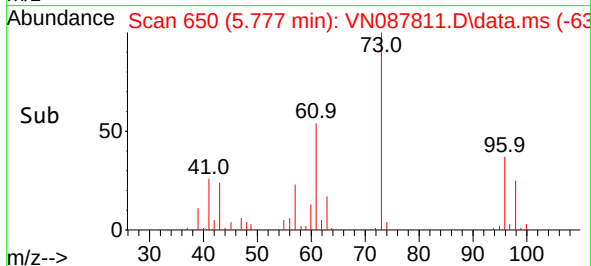
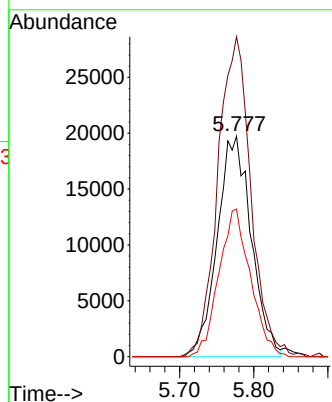
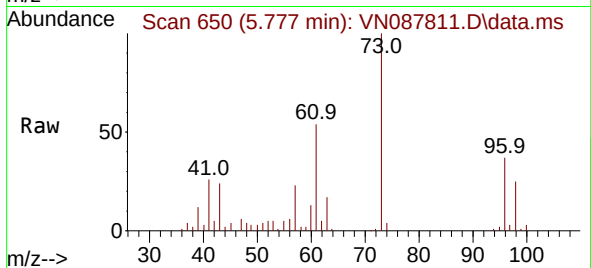
Tgt Ion: 96 Resp: 62759

Ion Ratio Lower Upper

96 100

61 145.1 106.4 159.6

98 67.0 48.9 73.3



#20

Diisopropyl ether

Concen: 15.816 ug/l

RT: 6.659 min Scan# 800

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Tgt Ion: 45 Resp: 217984

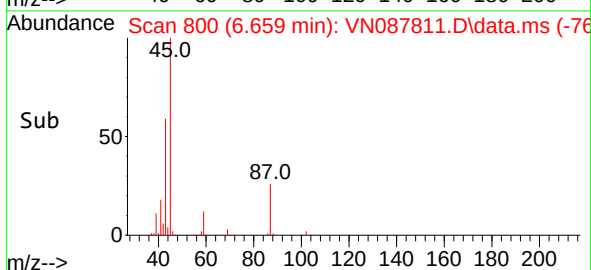
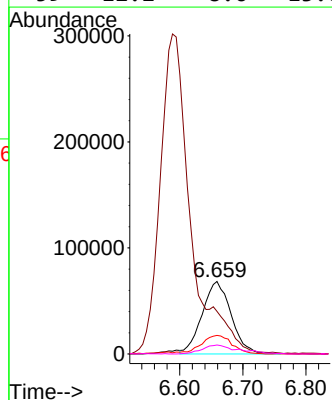
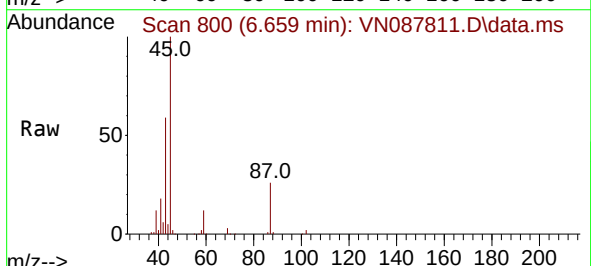
Ion Ratio Lower Upper

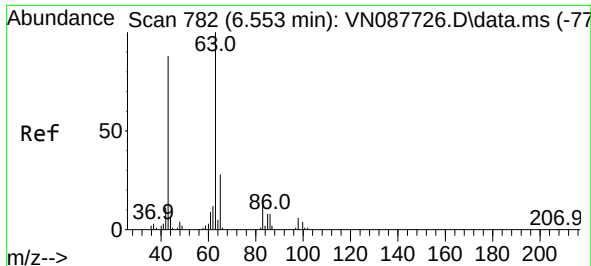
45 100

43 57.7 49.5 74.3

87 25.6 18.8 28.2

59 12.2 8.6 13.0

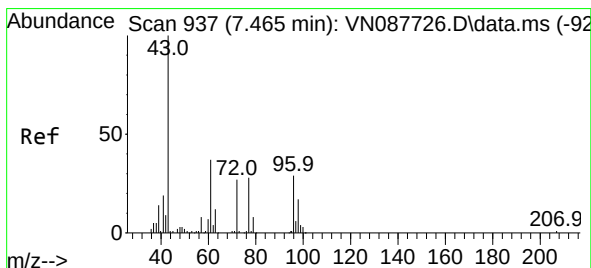
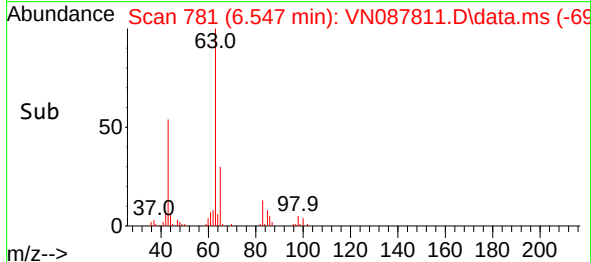
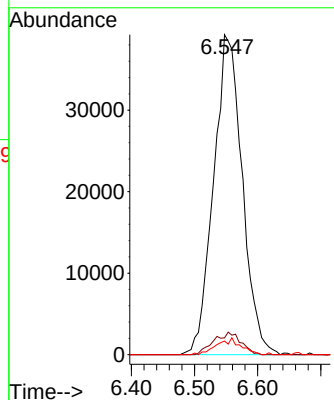
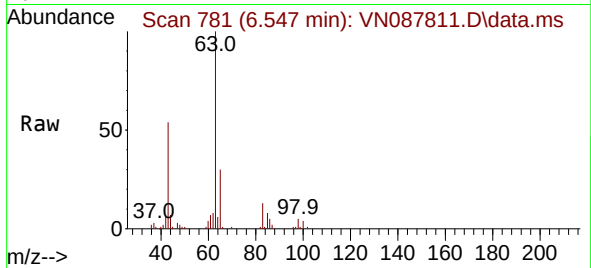




#21
1,1-Dichloroethane
Concen: 16.412 ug/l
RT: 6.547 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

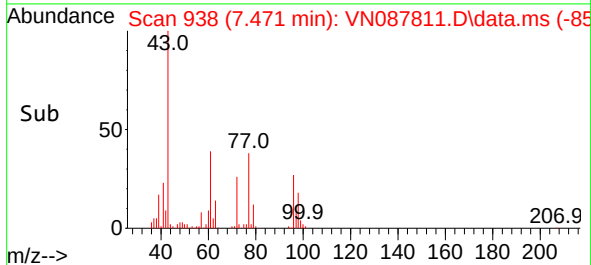
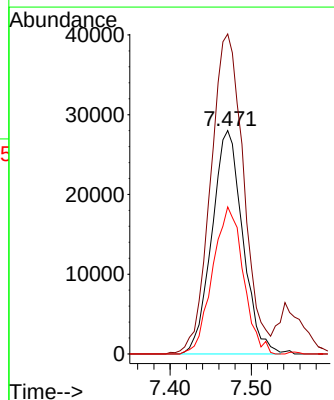
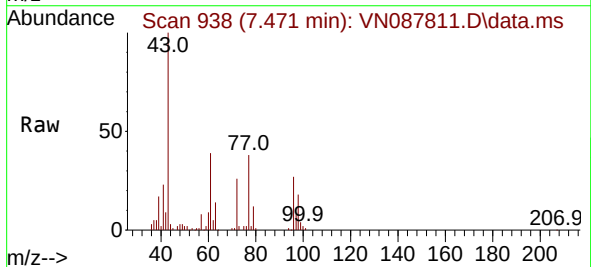
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

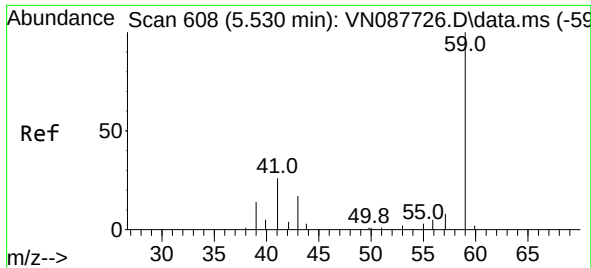
Tgt Ion: 63 Resp: 123875
Ion Ratio Lower Upper
63 100
98 5.2 2.9 8.8
100 4.2 1.8 5.3



#22
cis-1,2-Dichloroethene
Concen: 16.252 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 96 Resp: 73827
Ion Ratio Lower Upper
96 100
61 153.4 118.2 177.2
98 65.6 51.6 77.4

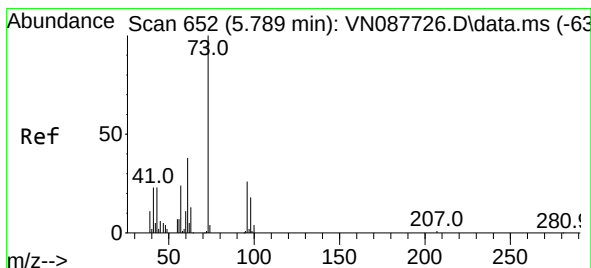
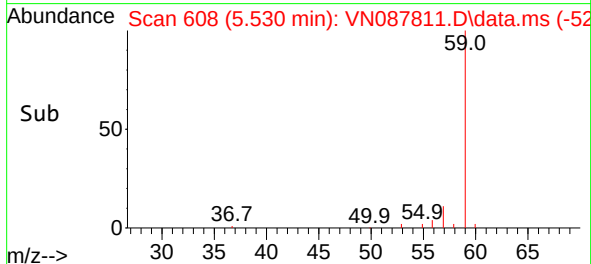
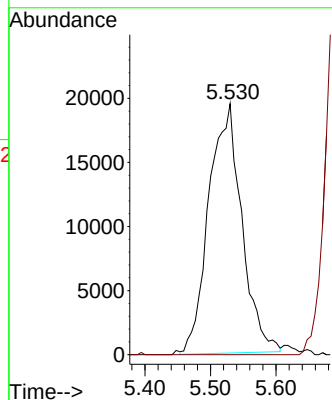
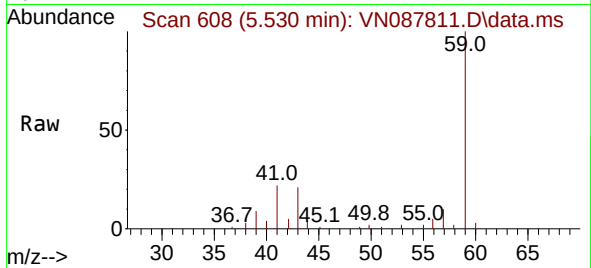




#23
 tert-Butyl Alcohol
 Concen: 78.891 ug/l
 RT: 5.530 min Scan# 608
 Delta R.T. -0.000 min
 Lab File: VN087811.D
 Acq: 12 Sep 2025 10:04

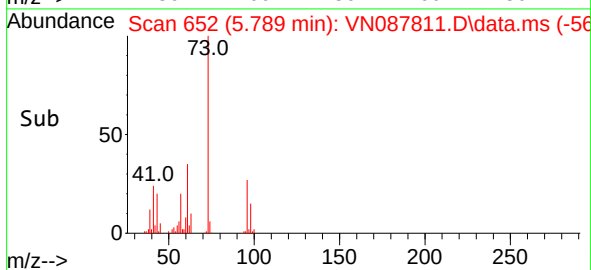
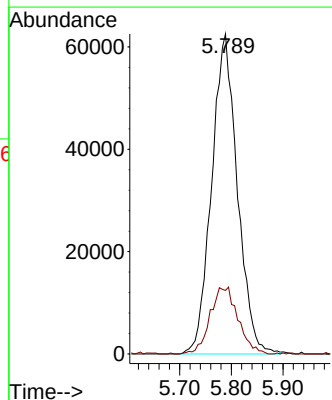
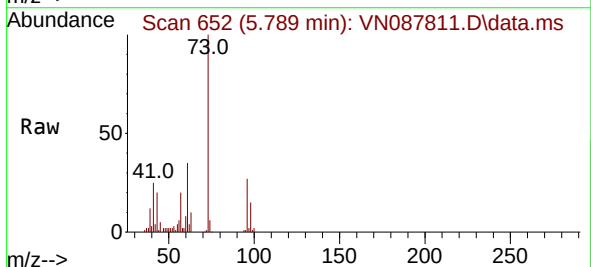
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

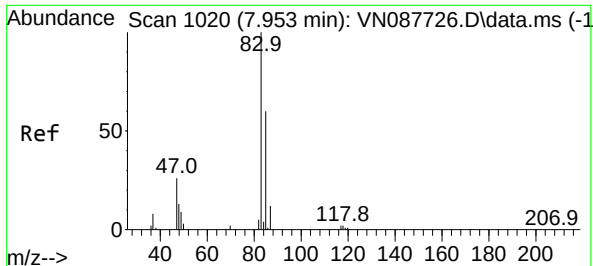
Tgt Ion: 59 Resp: 67900
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 16.483 ug/l
 RT: 5.789 min Scan# 652
 Delta R.T. -0.000 min
 Lab File: VN087811.D
 Acq: 12 Sep 2025 10:04

Tgt Ion: 73 Resp: 215930
 Ion Ratio Lower Upper
 73 100
 43 12.2 16.8 25.2#





#25

Chloroform

Concen: 16.544 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

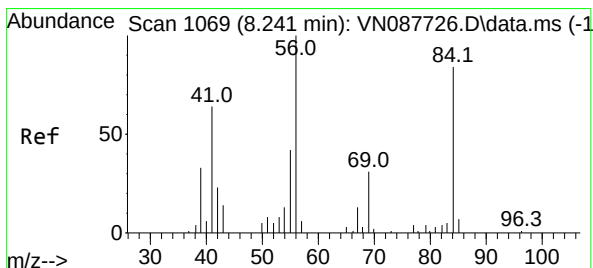
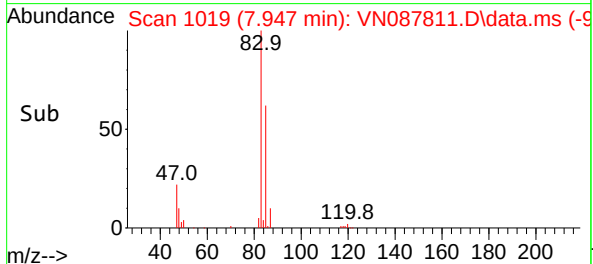
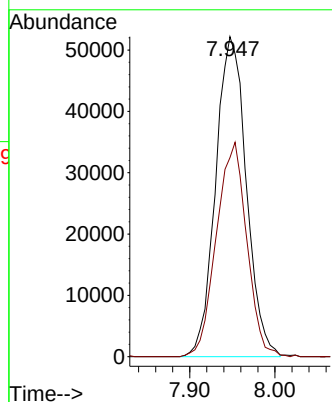
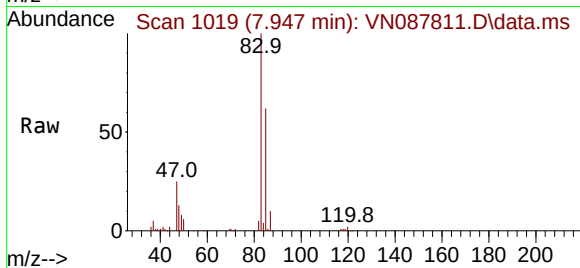
VSTDCCC020

Tgt Ion: 83 Resp: 130701

Ion Ratio Lower Upper

83 100

85 62.2 47.7 71.5



#26

Cyclohexane

Concen: 16.522 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.012 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

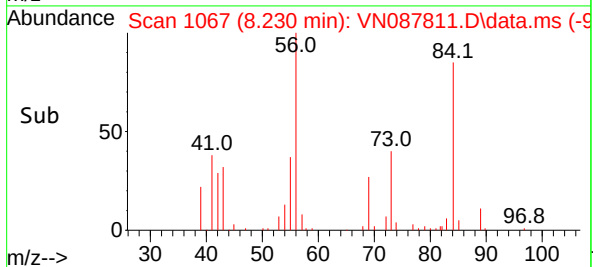
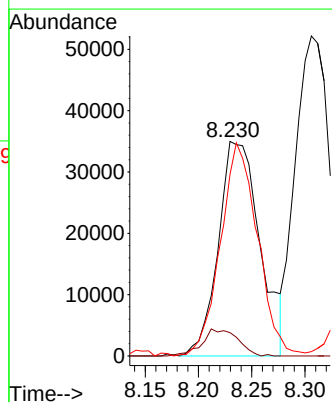
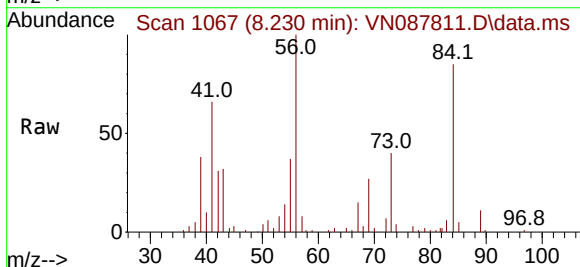
Tgt Ion: 56 Resp: 94965

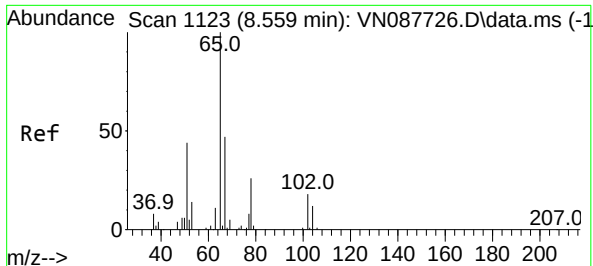
Ion Ratio Lower Upper

56 100

89 5.4 0.0 0.0#

84 88.8 69.4 104.2





#27

1,2-Dichloroethane-d4

Concen: 29.085 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

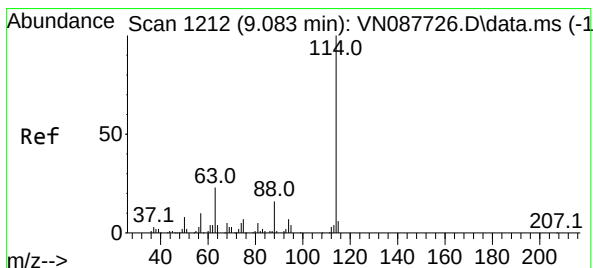
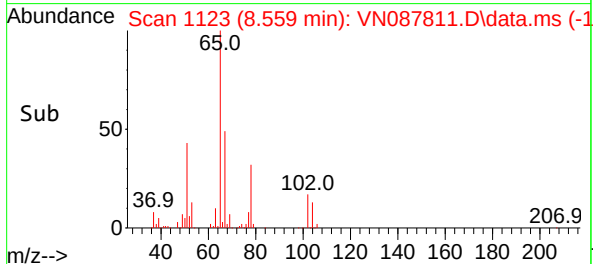
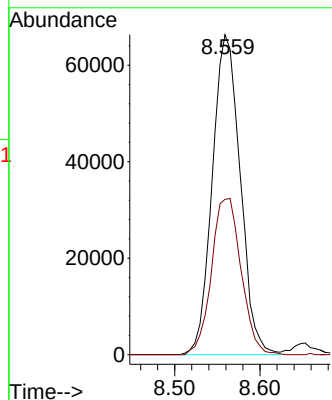
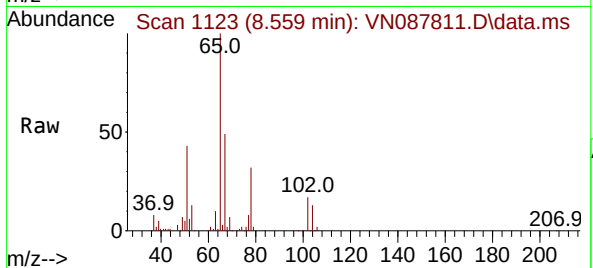
VSTDCCC020

Tgt Ion: 65 Resp: 151019

Ion Ratio Lower Upper

65 100

67 51.7 39.6 59.4



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

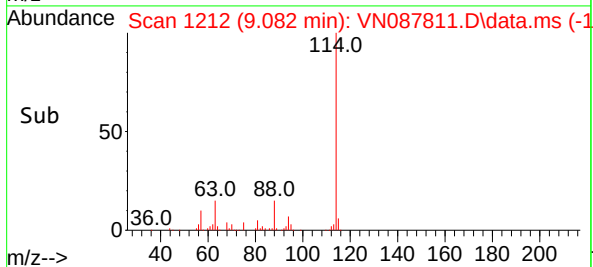
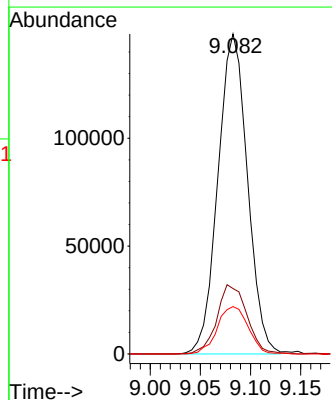
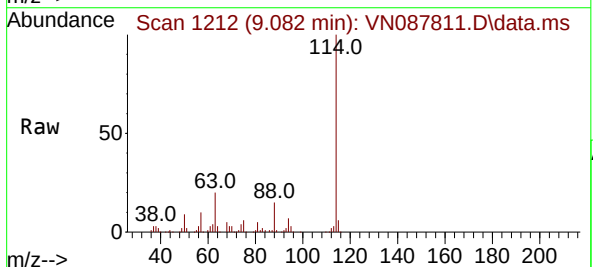
Tgt Ion: 114 Resp: 303424

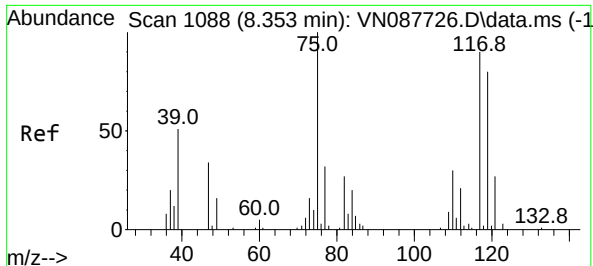
Ion Ratio Lower Upper

114 100

63 22.0 18.3 27.5

88 15.5 12.4 18.6

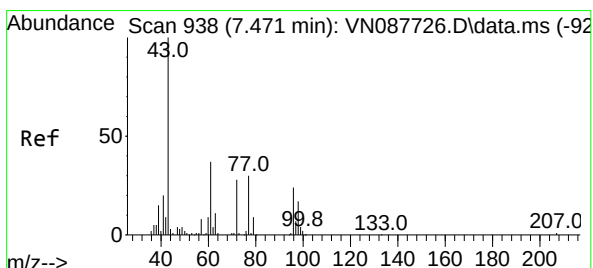
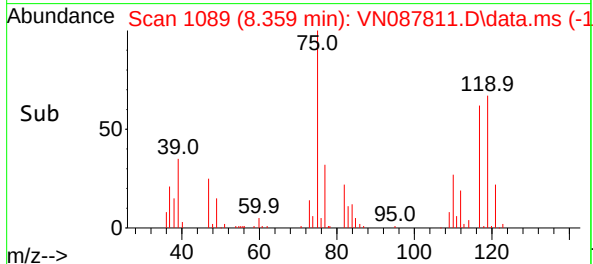
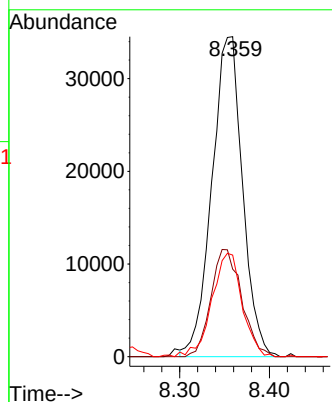
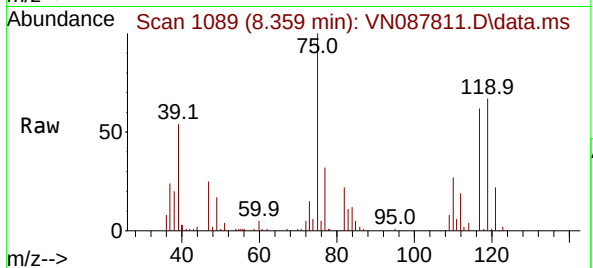




#29
1,1-Dichloropropene
Concen: 16.617 ug/l
RT: 8.359 min Scan# 1088
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

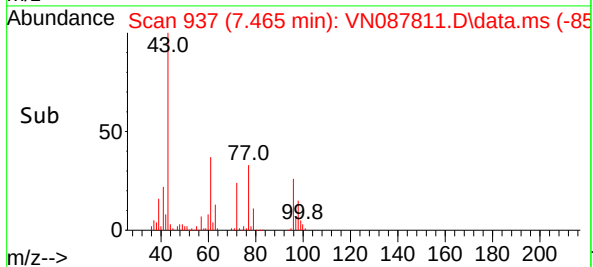
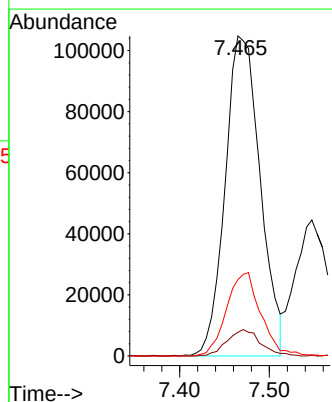
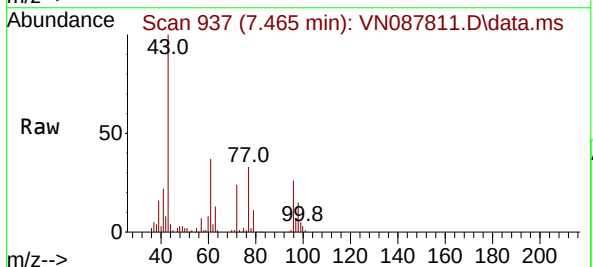
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

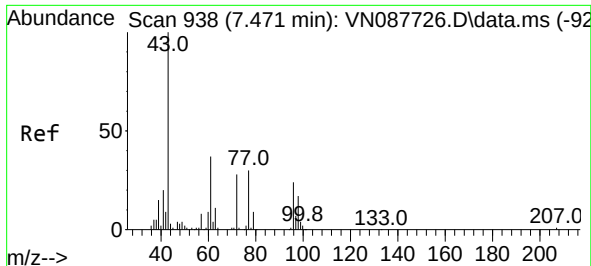
Tgt Ion: 75 Resp: 81944
Ion Ratio Lower Upper
75 100
110 33.5 0.0 64.4
77 31.8 0.0 62.2



#30
2-Butanone
Concen: 83.828 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 43 Resp: 284761
Ion Ratio Lower Upper
43 100
57 7.8 6.3 9.5
72 25.4 21.4 32.2

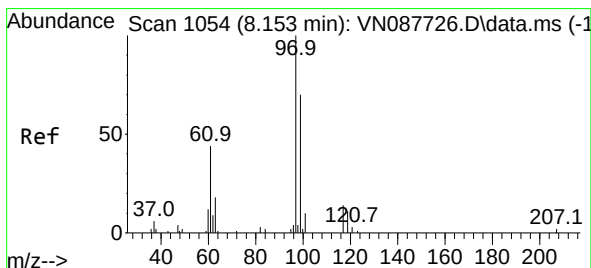
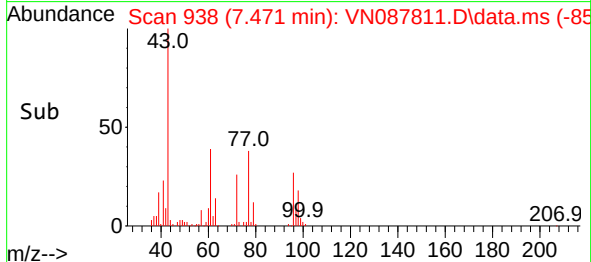
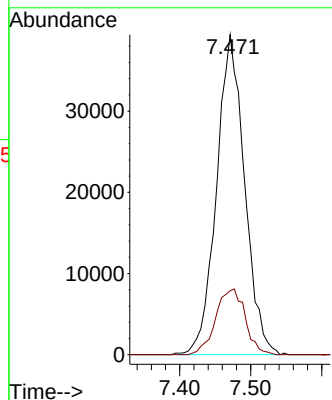
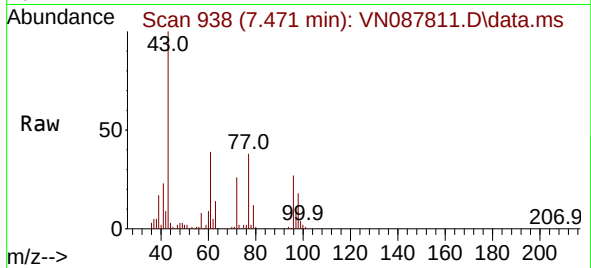




#31
2,2-Dichloropropane
Concen: 18.169 ug/l
RT: 7.471 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

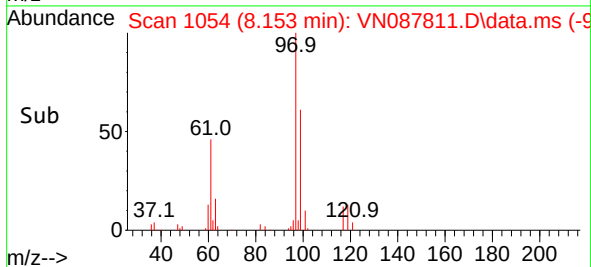
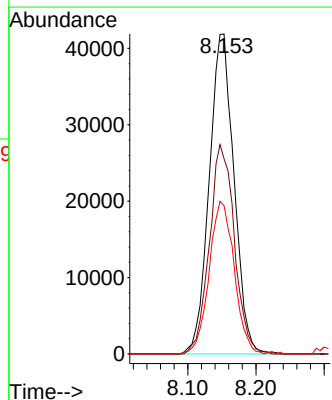
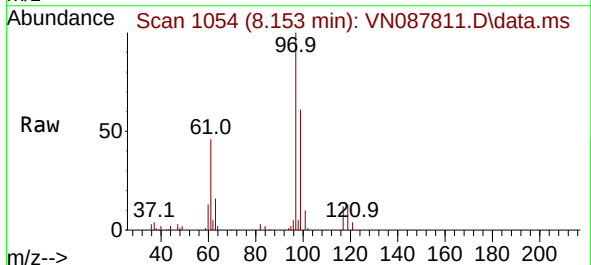
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

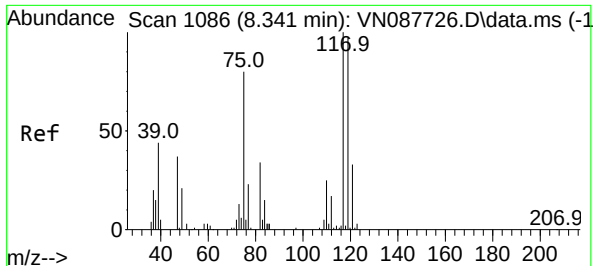
Tgt Ion: 77 Resp: 108005
Ion Ratio Lower Upper
77 100
97 21.6 17.1 25.7



#32
1,1,1-Trichloroethane
Concen: 16.939 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 97 Resp: 105895
Ion Ratio Lower Upper
97 100
99 66.0 52.2 78.4
61 48.3 37.9 56.9

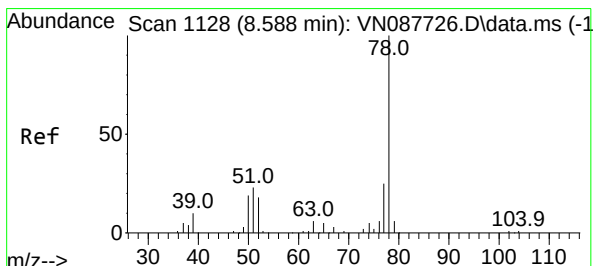
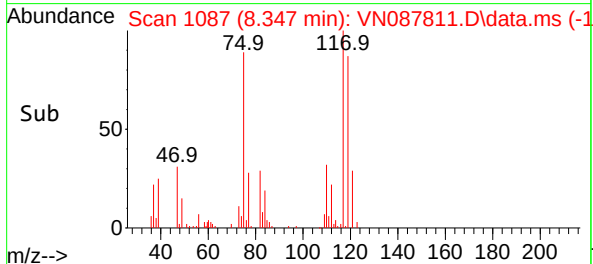
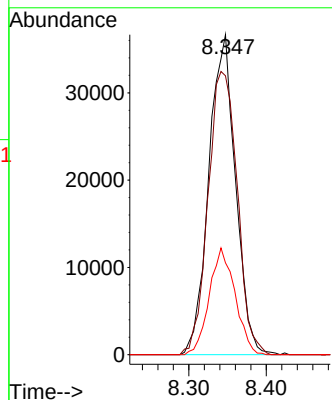
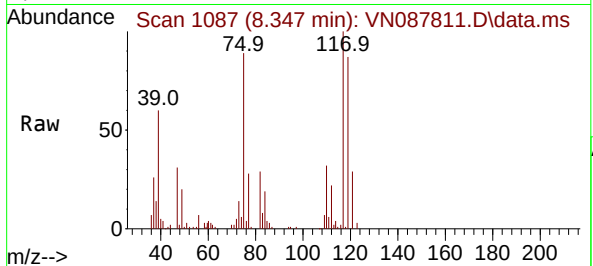




#33
Carbon Tetrachloride
Concen: 16.849 ug/l
RT: 8.347 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

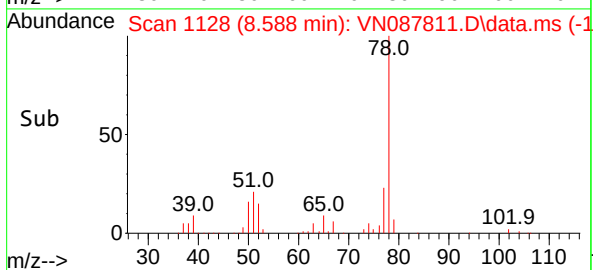
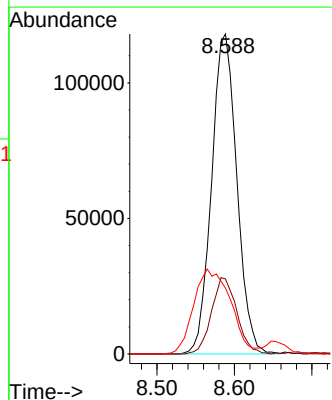
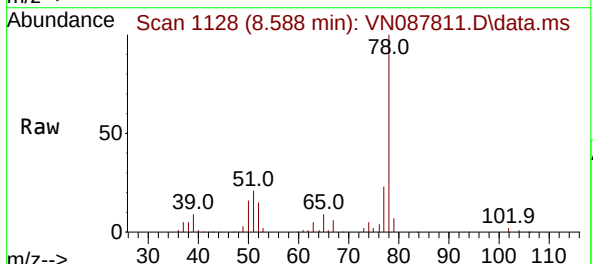
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

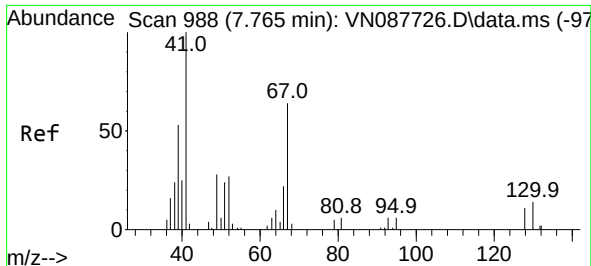
Tgt Ion:117 Resp: 87831
Ion Ratio Lower Upper
117 100
119 87.1 77.3 115.9
121 28.7 26.6 39.8



#34
Benzene
Concen: 16.796 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 78 Resp: 267682
Ion Ratio Lower Upper
78 100
77 23.5 20.3 30.5
51 17.8 18.0 27.0#

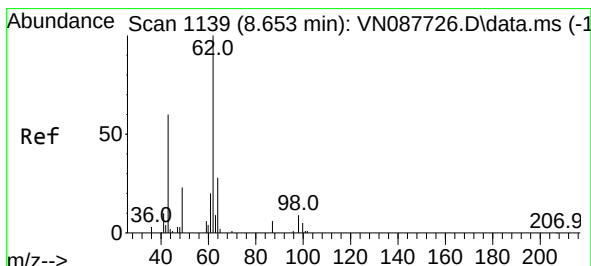
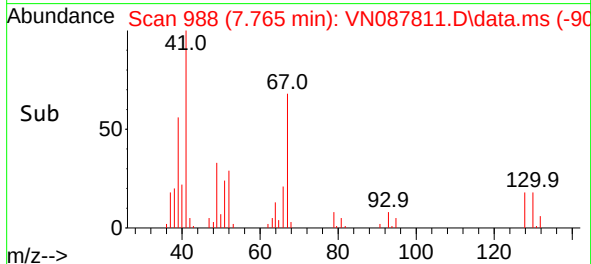
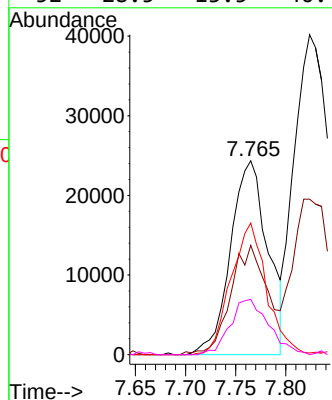
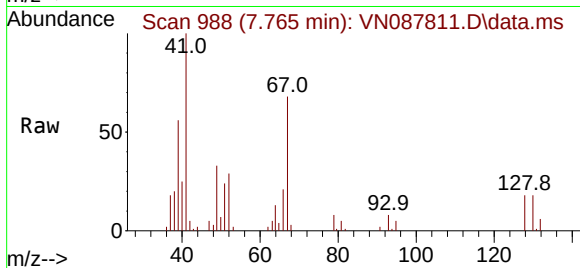




#35
Methacrylonitrile
Concen: 17.703 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

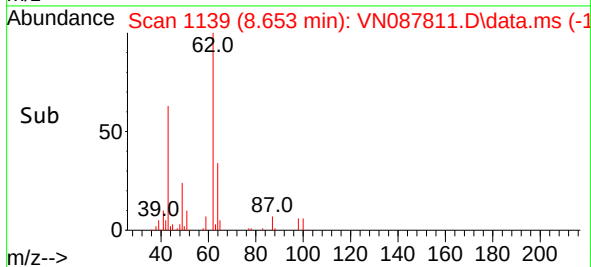
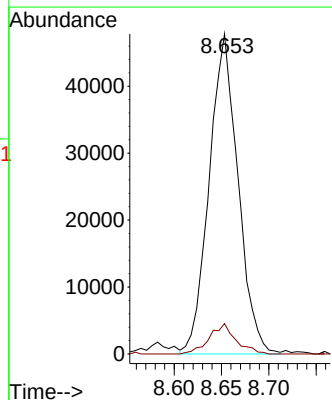
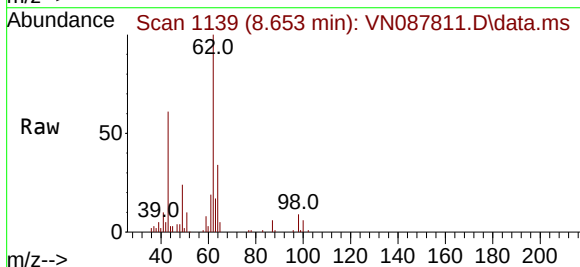
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

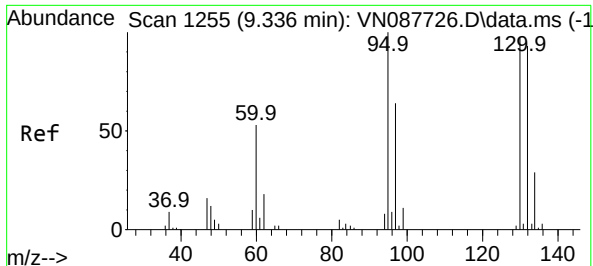
Tgt Ion:	41	Resp:	62901
Ion	Ratio	Lower	Upper
41	100		
39	55.1	27.1	81.2
67	67.9	32.1	96.5
52	28.5	13.5	40.4



#36
1,2-Dichloroethane
Concen: 16.853 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion:	62	Resp:	101452
Ion	Ratio	Lower	Upper
62	100		
98	8.7	7.2	10.8





#37

Trichloroethene

Concen: 17.789 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

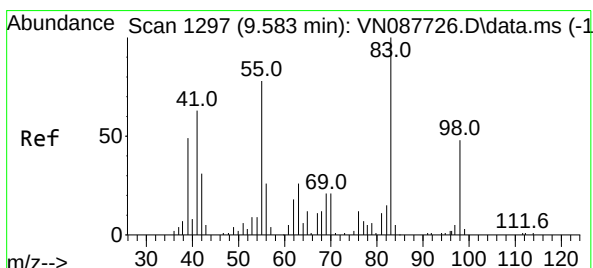
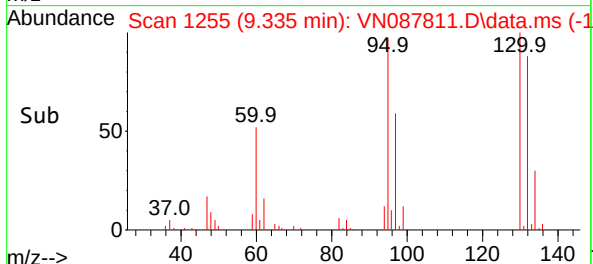
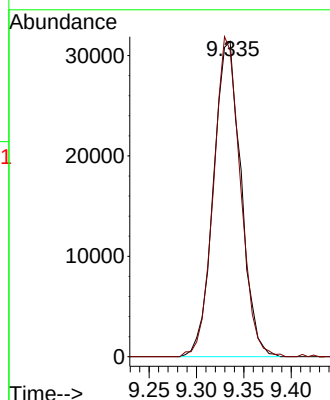
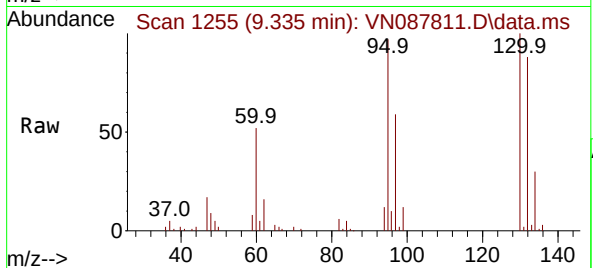
VSTDCCC020

Tgt Ion:130 Resp: 63376

Ion Ratio Lower Upper

130 100

95 97.1 82.7 124.1



#38

Methylcyclohexane

Concen: 17.298 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

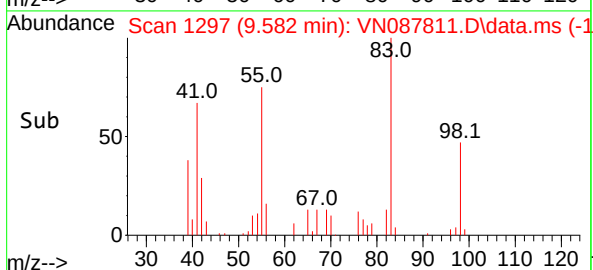
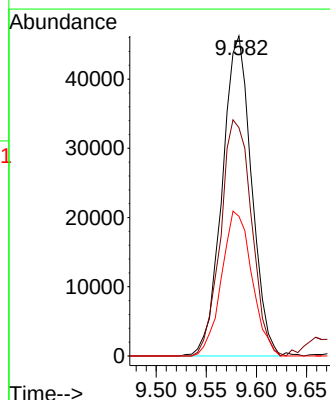
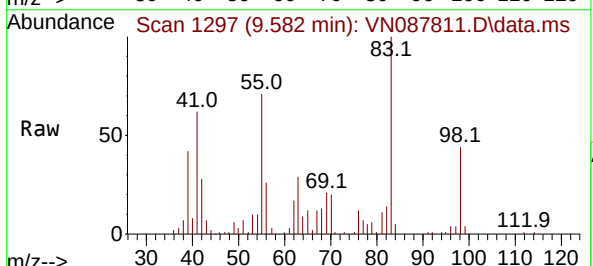
Tgt Ion: 83 Resp: 93927

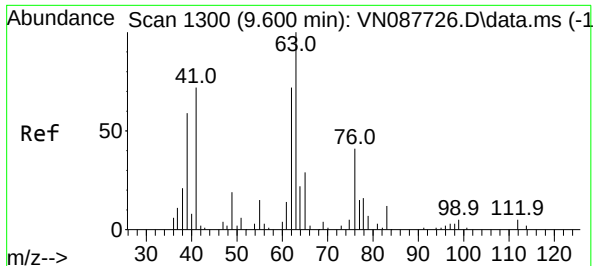
Ion Ratio Lower Upper

83 100

55 77.9 40.4 121.1

98 46.9 24.0 72.0





#39

1,2-Dichloropropane

Concen: 16.679 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

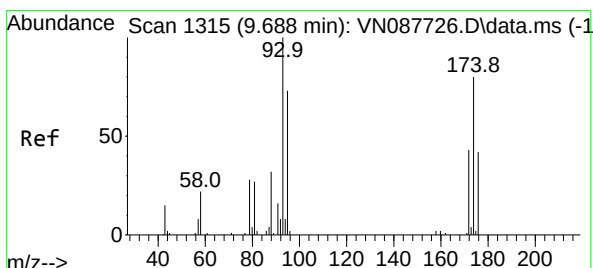
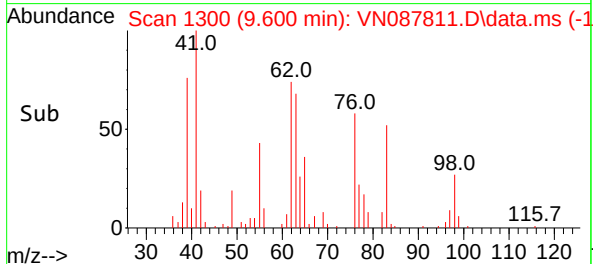
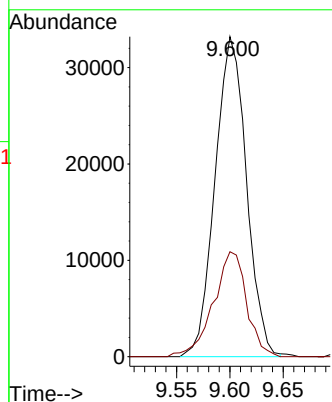
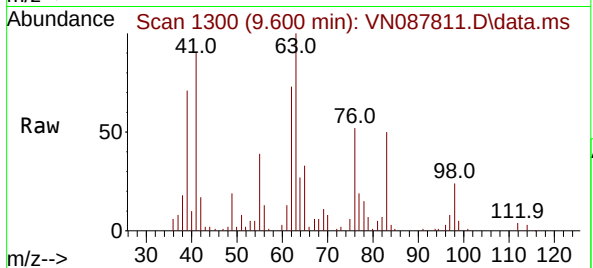
VSTDCCC020

Tgt Ion: 63 Resp: 68081

Ion Ratio Lower Upper

63 100

65 32.8 24.1 36.1



#40

Dibromomethane

Concen: 17.488 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

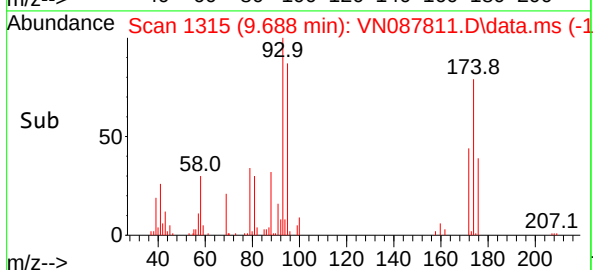
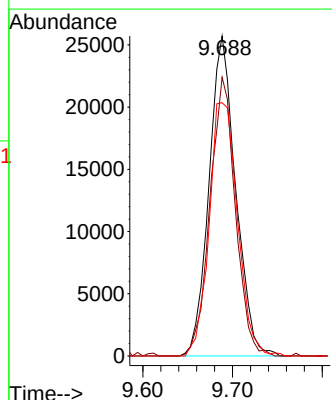
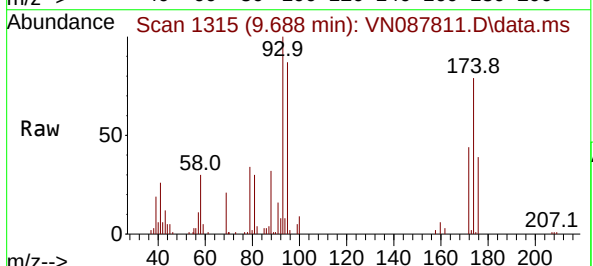
Tgt Ion: 93 Resp: 53122

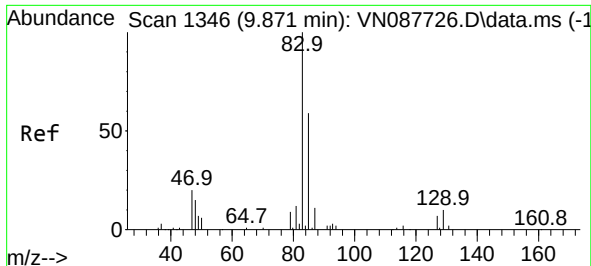
Ion Ratio Lower Upper

93 100

95 82.8 0.0 168.4

174 83.9 0.0 162.8

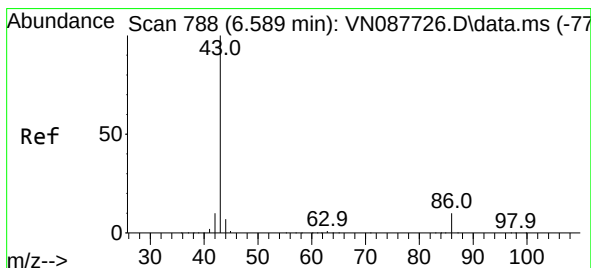
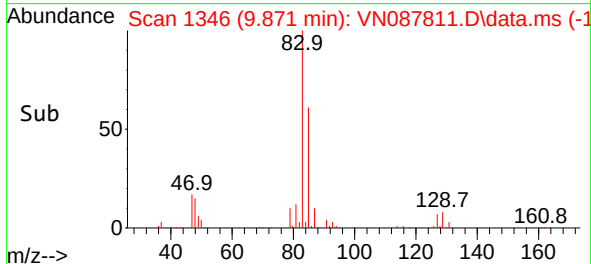
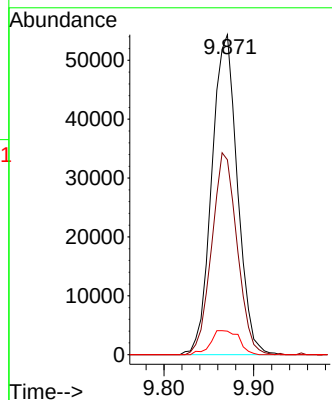
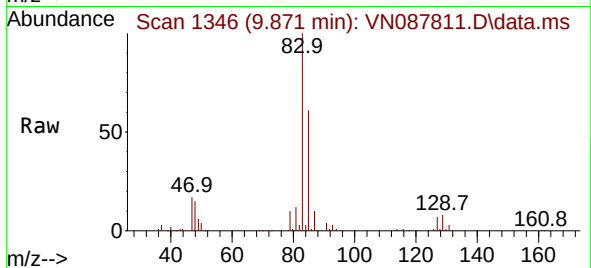




#41
Bromodichloromethane
Concen: 17.362 ug/l
RT: 9.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

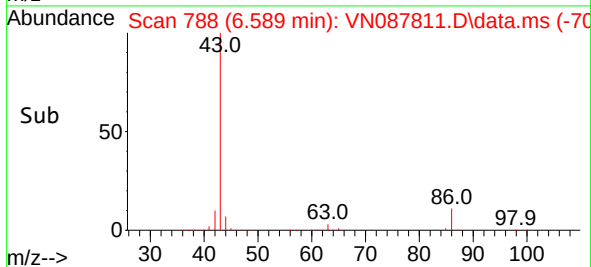
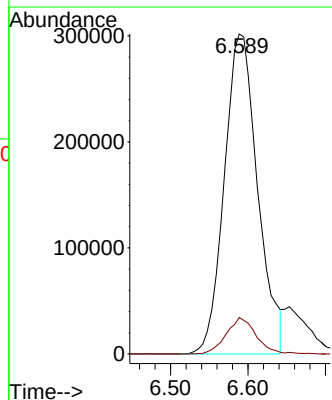
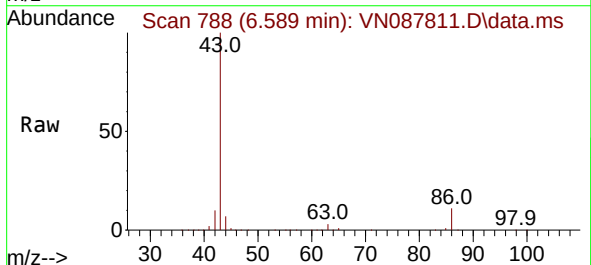
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

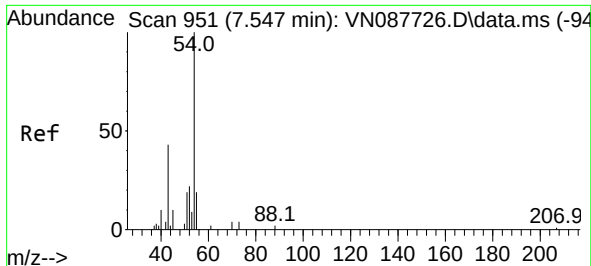
Tgt Ion: 83 Resp: 107797
Ion Ratio Lower Upper
83 100
85 60.9 47.3 70.9
127 7.3 5.2 7.8



#42
Vinyl Acetate
Concen: 79.581 ug/l
RT: 6.589 min Scan# 788
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 43 Resp: 903232
Ion Ratio Lower Upper
43 100
86 10.1 7.7 11.5

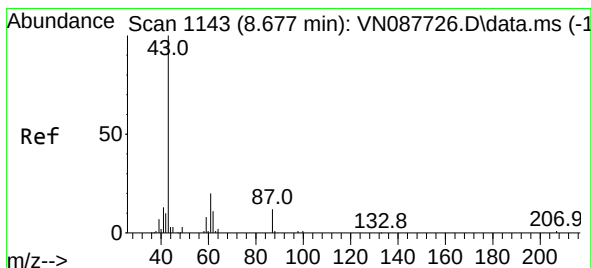
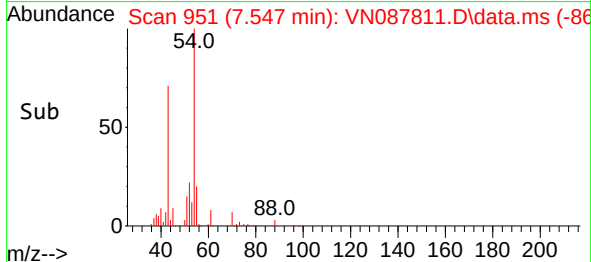
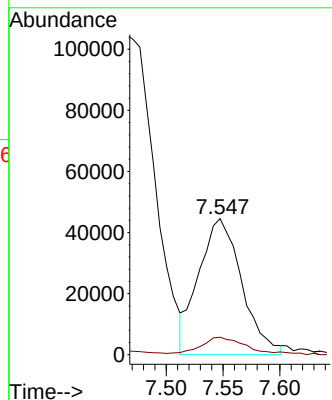
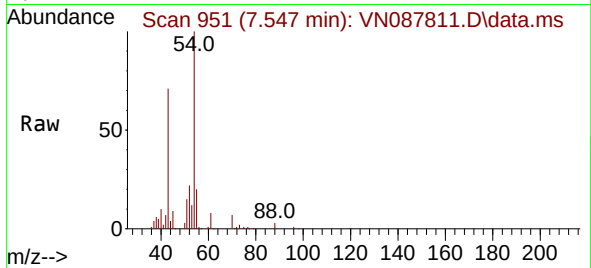




#43
Ethyl Acetate
Concen: 16.918 ug/l
RT: 7.547 min Scan# 911
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

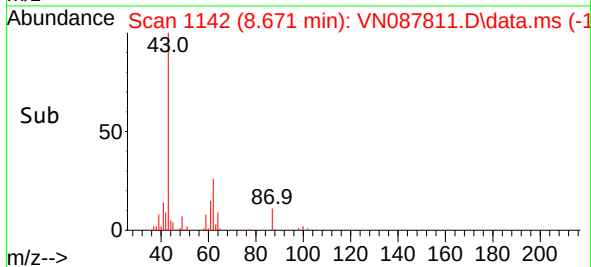
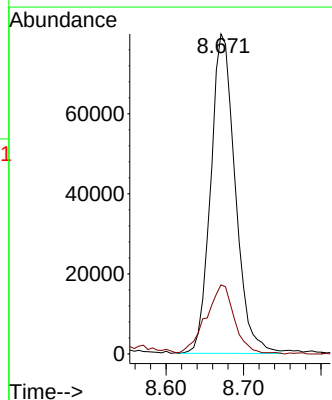
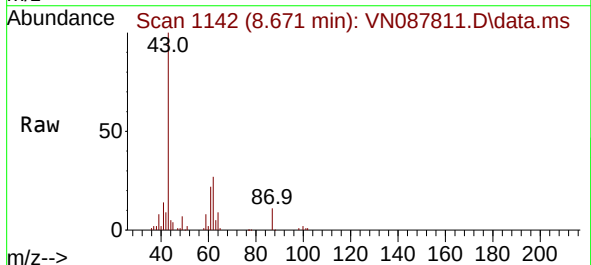
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

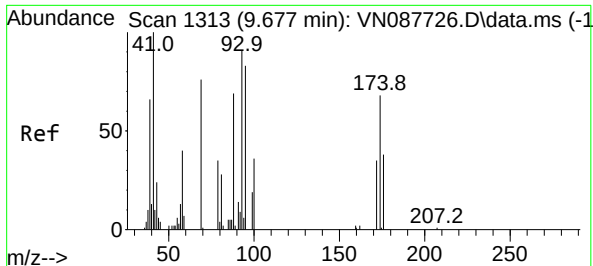
Tgt Ion: 43 Resp: 117417
Ion Ratio Lower Upper
43 100
45 11.0 10.5 15.7



#44
Isopropyl Acetate
Concen: 16.122 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 43 Resp: 175405
Ion Ratio Lower Upper
43 100
61 25.1 19.5 29.3





#45

1,4-Dioxane

Concen: 357.098 ug/l

RT: 9.682 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

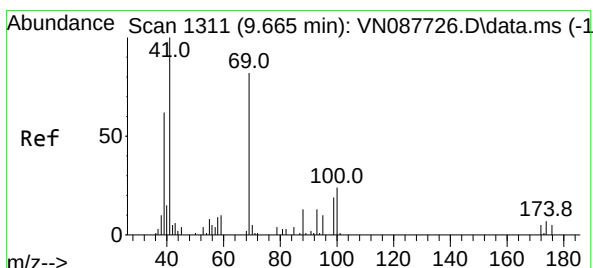
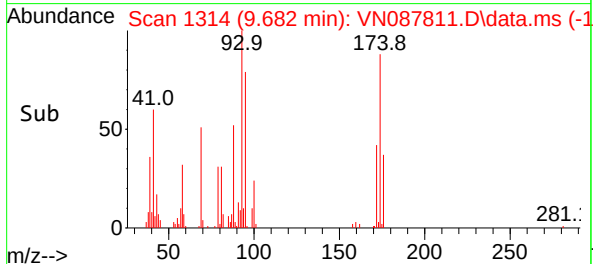
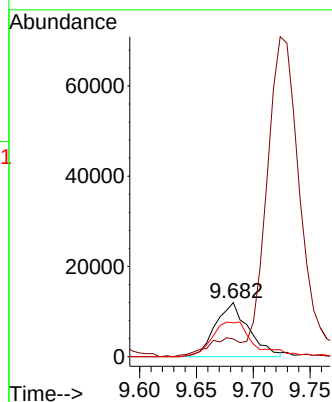
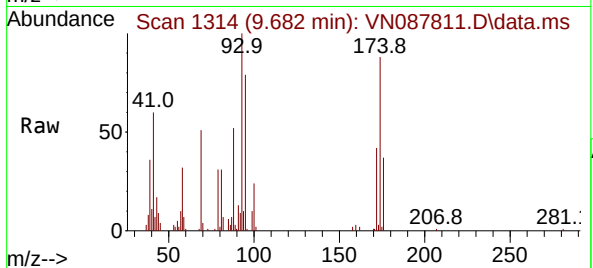
Tgt Ion: 88 Resp: 24502

Ion Ratio Lower Upper

88 100

43 34.1 23.6 35.4

58 69.3 60.5 90.7



#46

Methyl methacrylate

Concen: 13.625 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

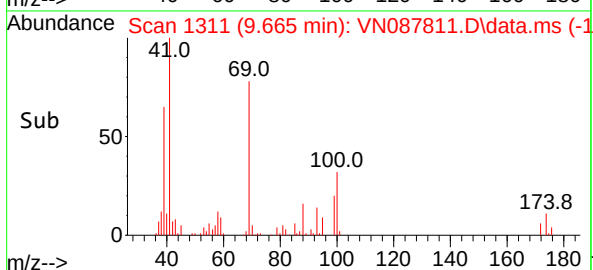
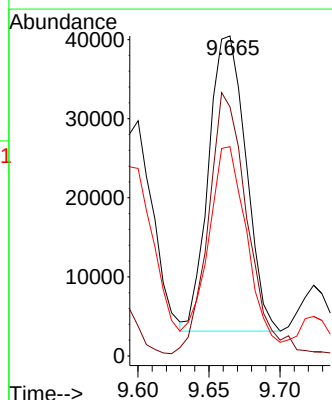
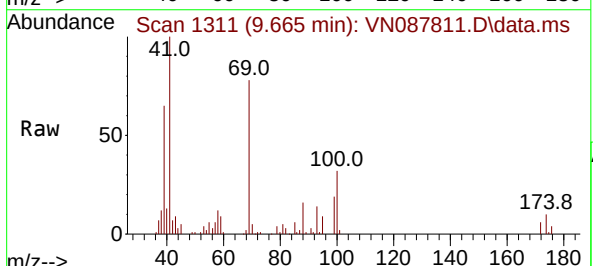
Tgt Ion: 41 Resp: 68329

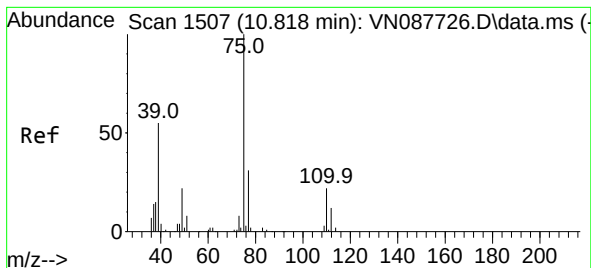
Ion Ratio Lower Upper

41 100

69 81.6 40.3 120.9

39 66.3 31.9 95.9

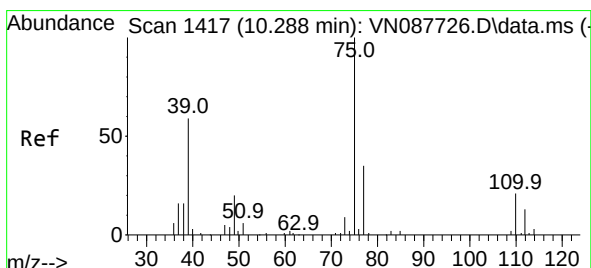
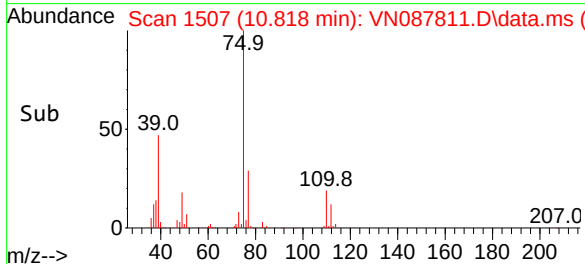
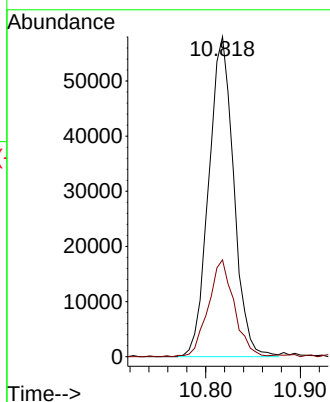
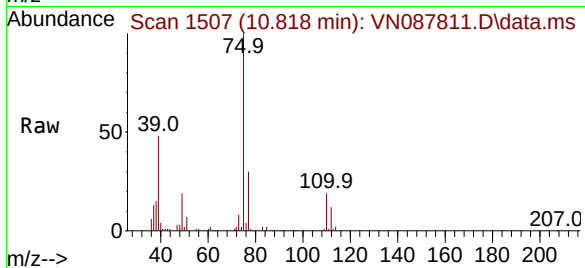




#48
t-1,3-Dichloropropene
Concen: 16.525 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

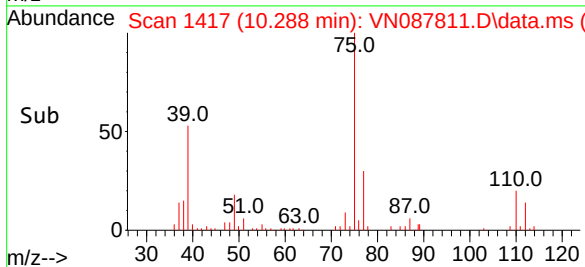
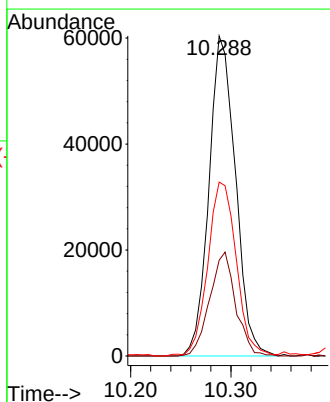
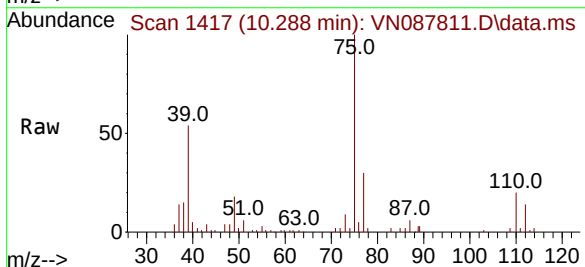
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

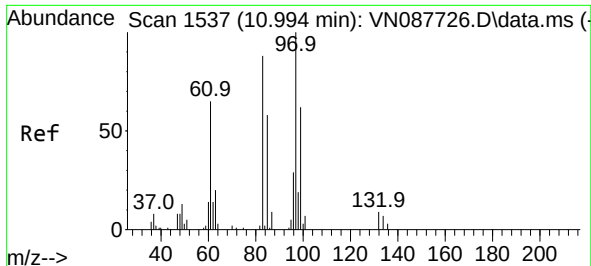
Tgt Ion: 75 Resp: 106559
Ion Ratio Lower Upper
75 100
77 29.9 24.7 37.1



#49
cis-1,3-Dichloropropene
Concen: 16.816 ug/l
RT: 10.288 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 75 Resp: 111066
Ion Ratio Lower Upper
75 100
77 29.9 27.8 41.6
39 53.9 47.6 71.4

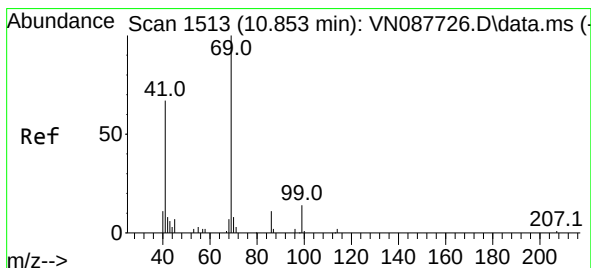
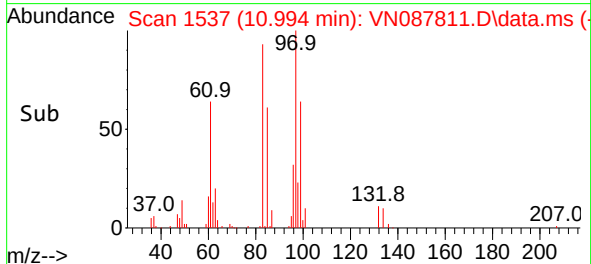
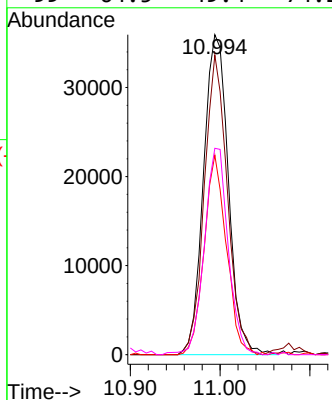
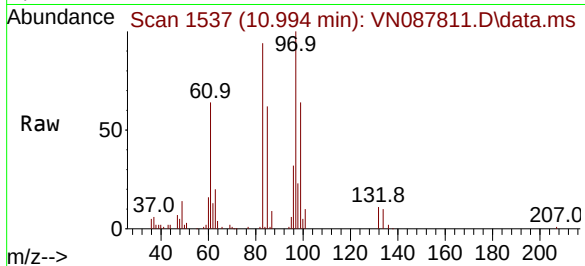




#50
1,1,2-Trichloroethane
Concen: 17.634 ug/l
RT: 10.994 min Scan# 1537
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

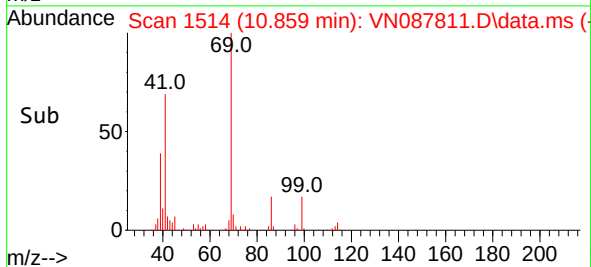
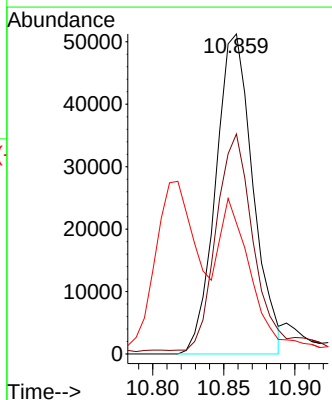
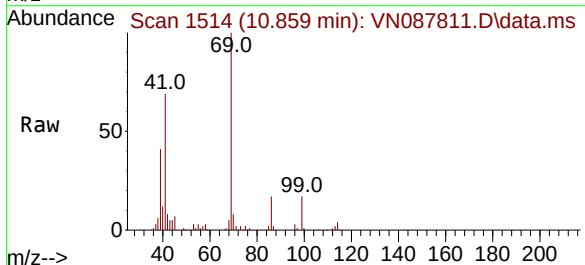
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

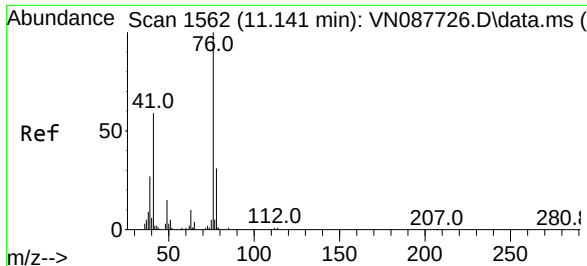
Tgt Ion:	97	Resp:	69186
Ion	Ratio	Lower	Upper
97	100		
83	93.6	70.5	105.7
85	62.3	46.3	69.5
99	64.5	49.4	74.2



#51
Ethyl methacrylate
Concen: 15.316 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion:	69	Resp:	93517
Ion	Ratio	Lower	Upper
69	100		
41	67.6	33.7	101.0
39	36.3	20.3	60.9

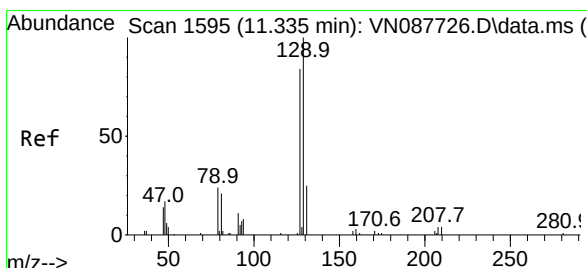
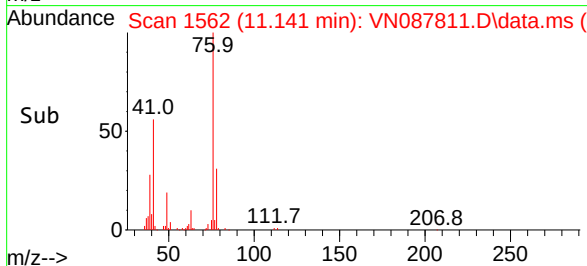
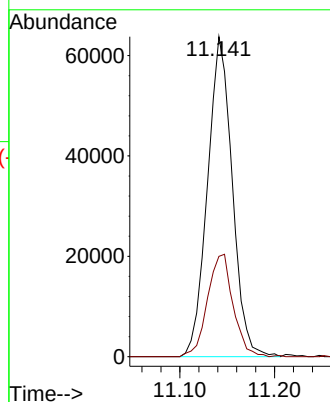
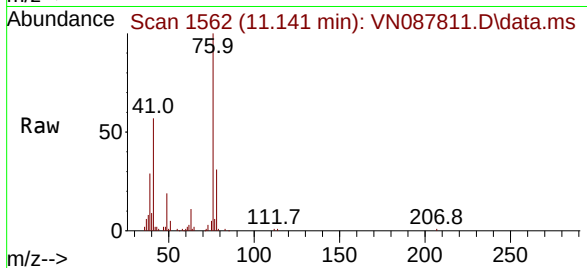




#52
1,3-Dichloropropane
Concen: 16.972 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

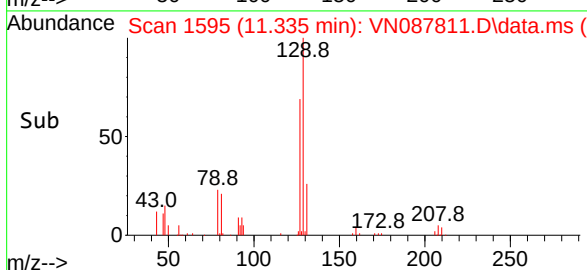
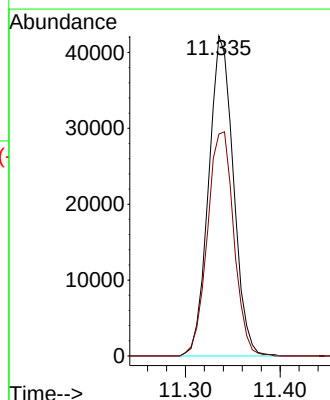
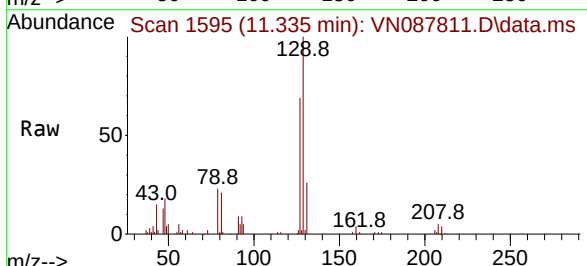
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

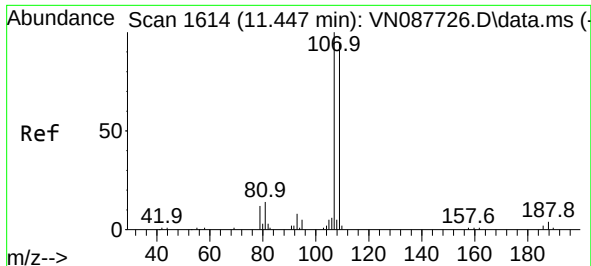
Tgt Ion: 76 Resp: 115632
Ion Ratio Lower Upper
76 100
78 33.0 0.0 65.2



#53
Dibromochloromethane
Concen: 17.380 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 129 Resp: 76459
Ion Ratio Lower Upper
129 100
127 74.7 42.6 128.0

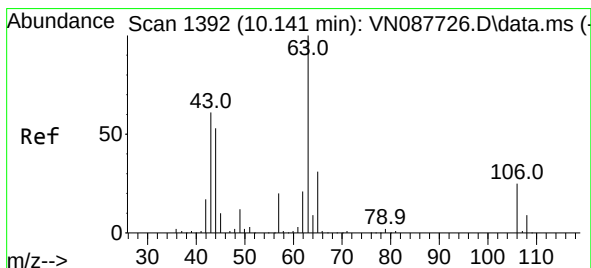
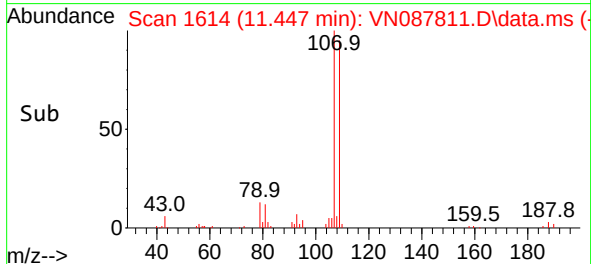
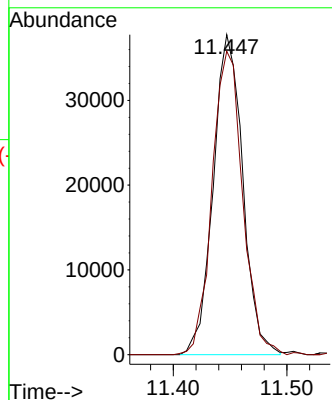
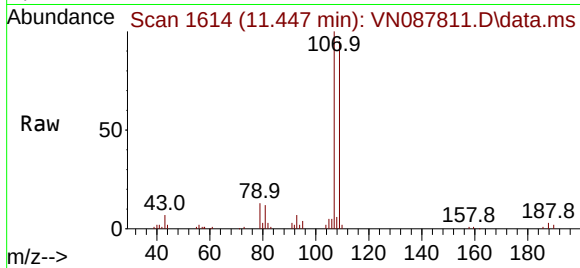




#54
1,2-Dibromoethane
Concen: 16.700 ug/l
RT: 11.447 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

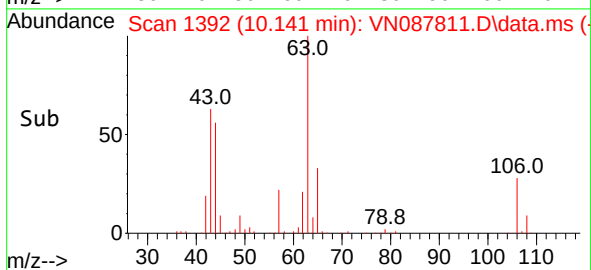
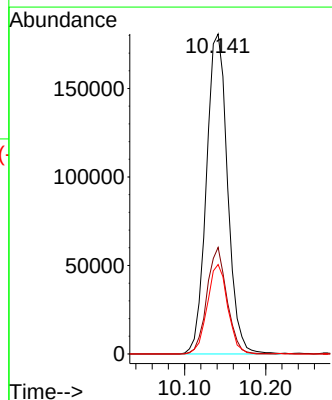
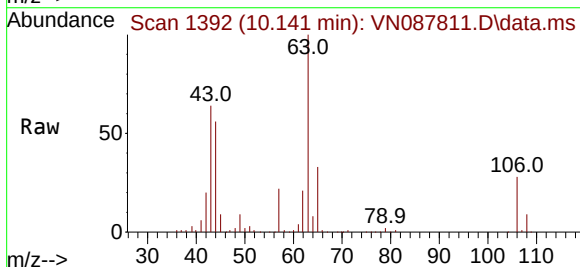
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

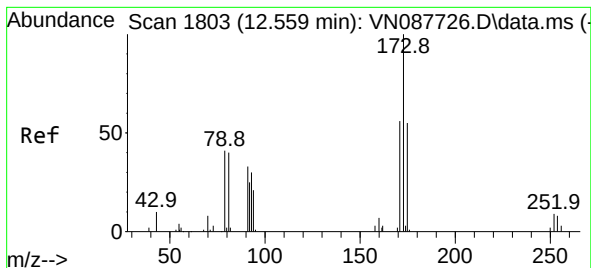
Tgt Ion:107 Resp: 68179
Ion Ratio Lower Upper
107 100
109 97.9 74.6 112.0



#55
2-Chloroethyl vinyl ether
Concen: 93.520 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 63 Resp: 327174
Ion Ratio Lower Upper
63 100
65 31.6 26.6 40.0
106 26.9 21.1 31.7





#56

Bromoform

Concen: 16.666 ug/l

RT: 12.559 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

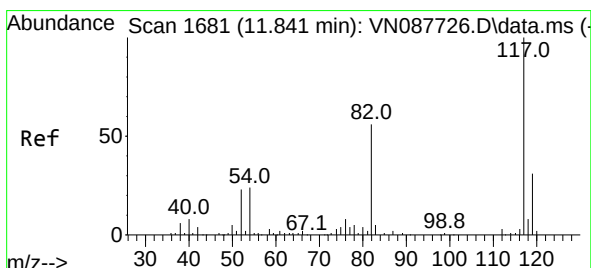
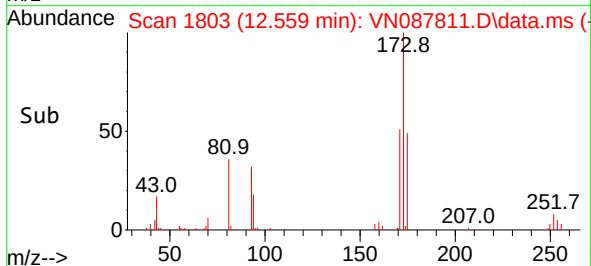
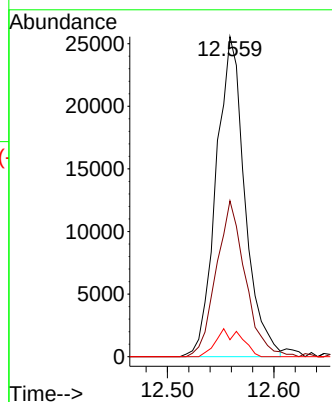
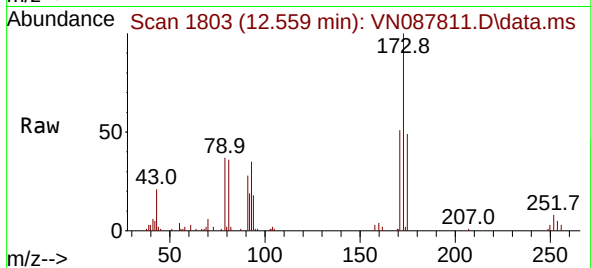
Tgt Ion:173 Resp: 47879

Ion Ratio Lower Upper

173 100

175 49.2 39.8 59.6

254 4.4 6.2 9.4#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

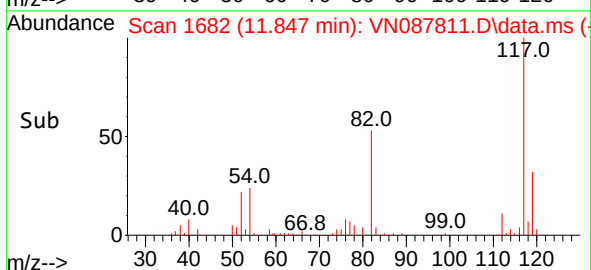
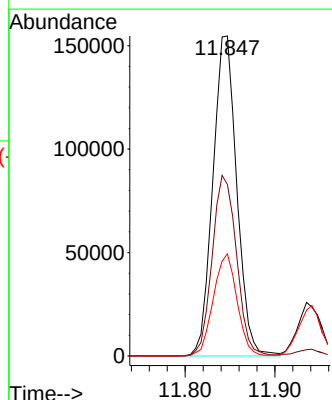
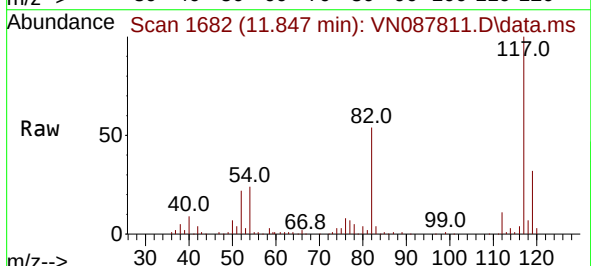
Tgt Ion:117 Resp: 286682

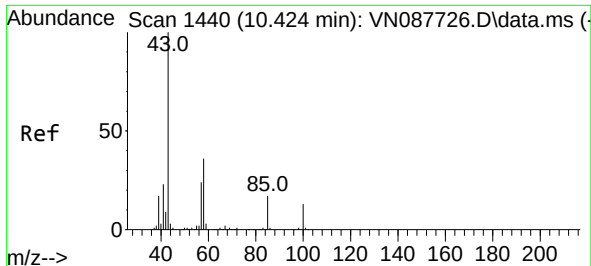
Ion Ratio Lower Upper

117 100

82 57.2 45.9 68.9

119 31.5 25.3 37.9

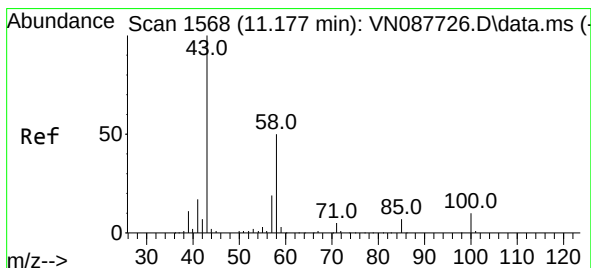
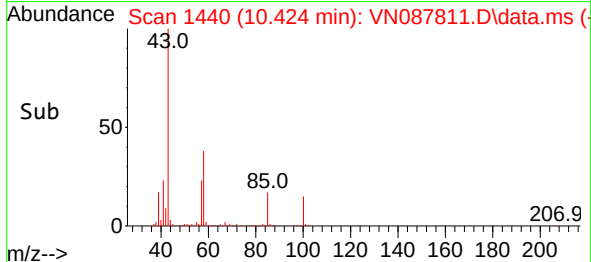
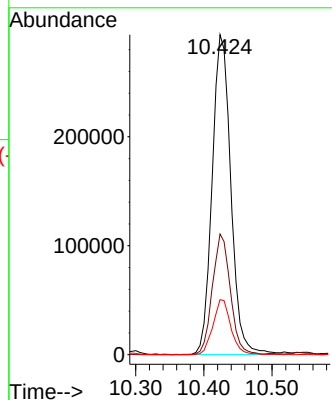
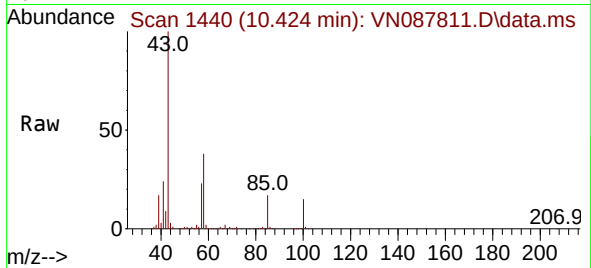




#58
4-Methyl-2-Pentanone
Concen: 82.782 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

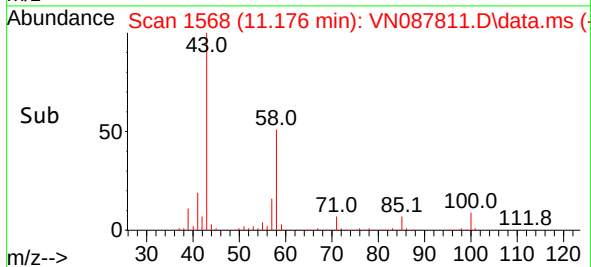
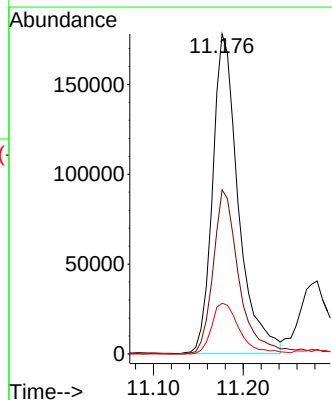
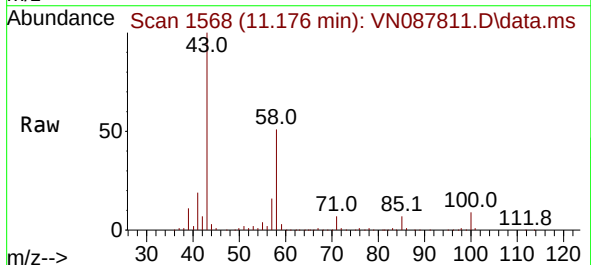
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

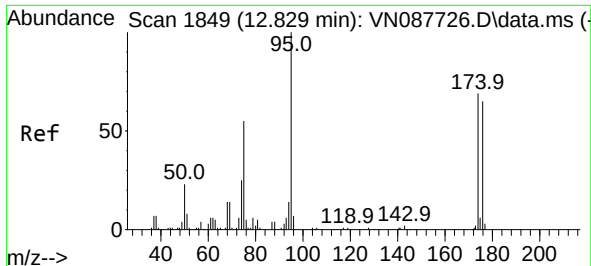
Tgt Ion: 43 Resp: 561146
Ion Ratio Lower Upper
43 100
58 36.3 29.6 44.4
85 16.5 13.0 19.4



#59
2-Hexanone
Concen: 80.044 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 43 Resp: 354546
Ion Ratio Lower Upper
43 100
58 51.5 40.2 60.4
57 17.3 13.7 20.5

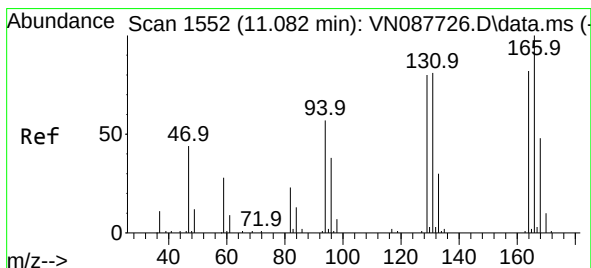
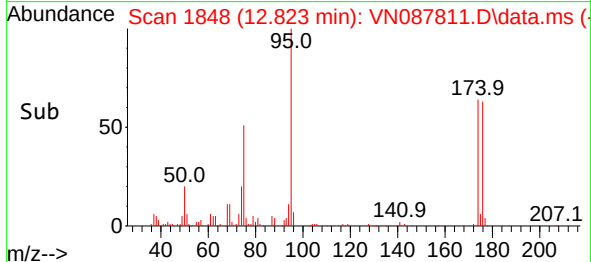
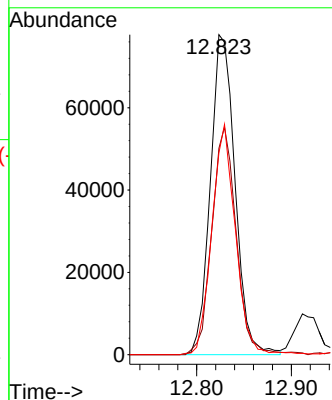
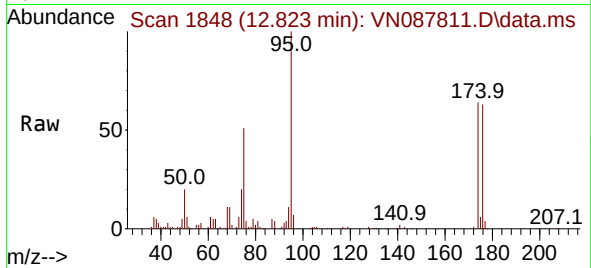




#60
4-Bromofluorobenzene
Concen: 30.564 ug/l
RT: 12.823 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

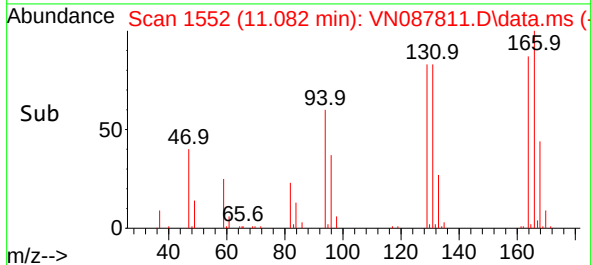
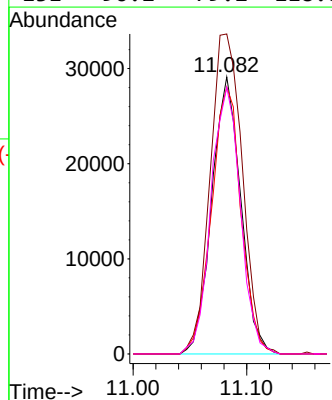
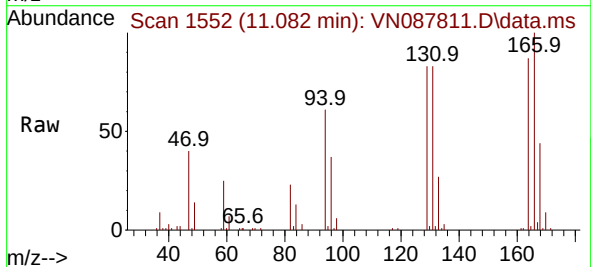
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

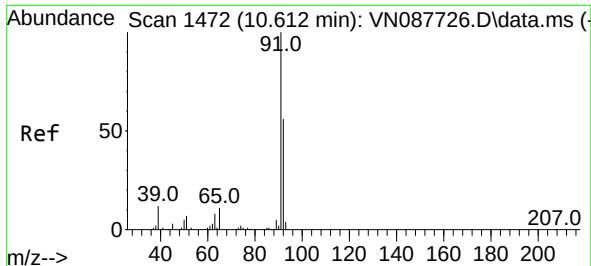
Tgt Ion: 95 Resp: 140888
Ion Ratio Lower Upper
95 100
174 70.1 55.4 83.0
176 68.2 51.5 77.3



#61
Tetrachloroethene
Concen: 18.118 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 164 Resp: 51713
Ion Ratio Lower Upper
164 100
166 115.5 97.3 145.9
129 96.4 78.6 117.8
131 96.2 79.2 118.8

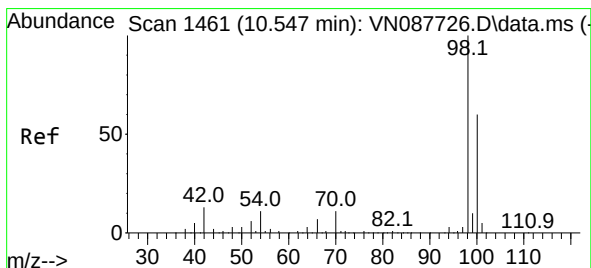
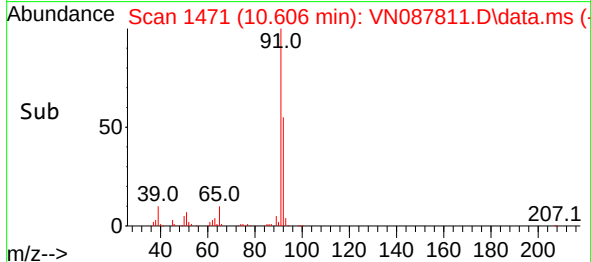
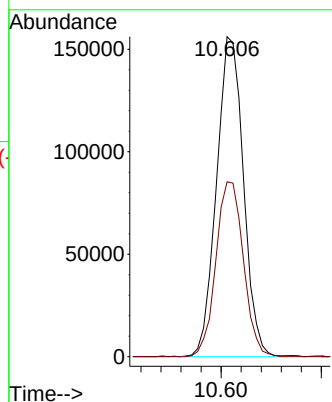
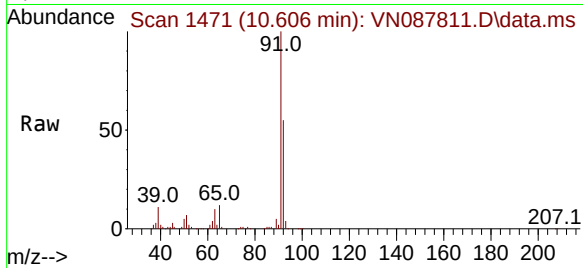




#62
Toluene
Concen: 16.767 ug/l
RT: 10.606 min Scan# 1472
Delta R.T. -0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

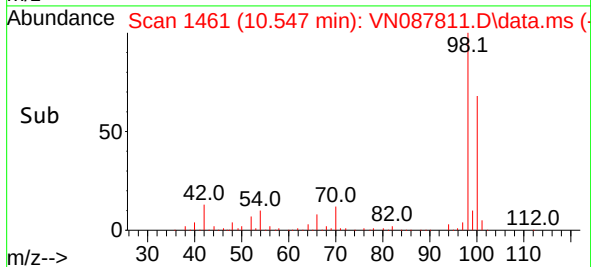
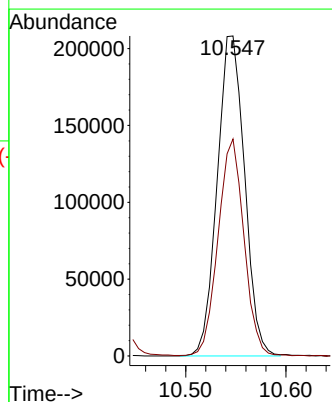
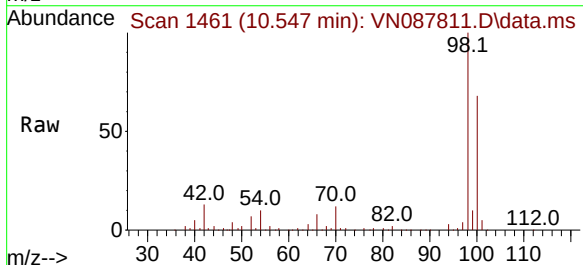
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

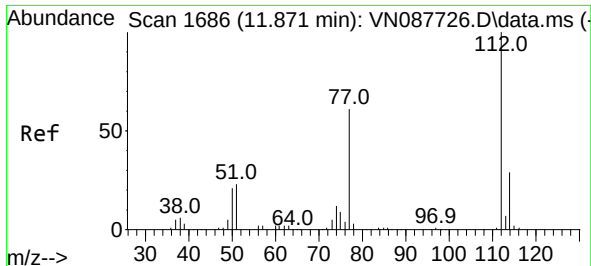
Tgt Ion: 91 Resp: 290761
Ion Ratio Lower Upper
91 100
92 55.8 45.4 68.0



#63
Toluene-d8
Concen: 29.665 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 98 Resp: 395502
Ion Ratio Lower Upper
98 100
100 64.0 50.6 76.0

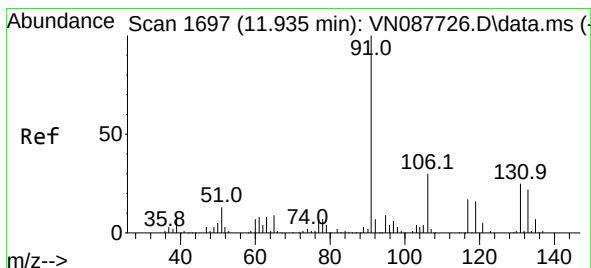
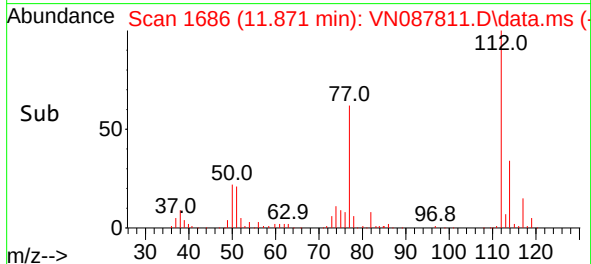
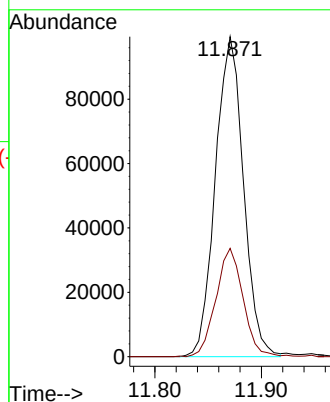
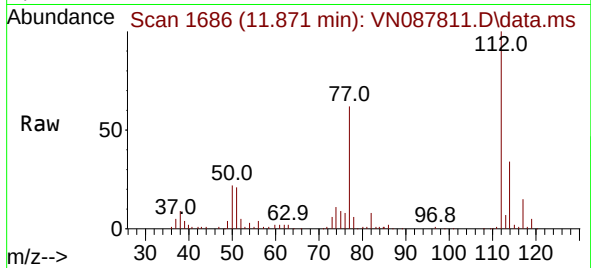




#64
Chlorobenzene
Concen: 17.115 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

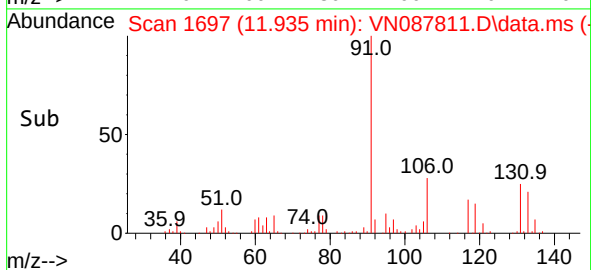
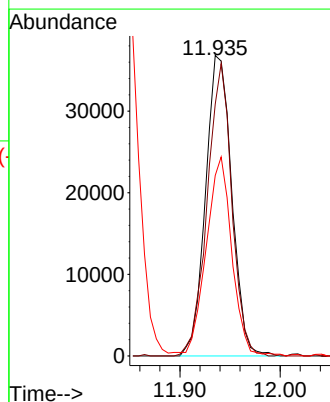
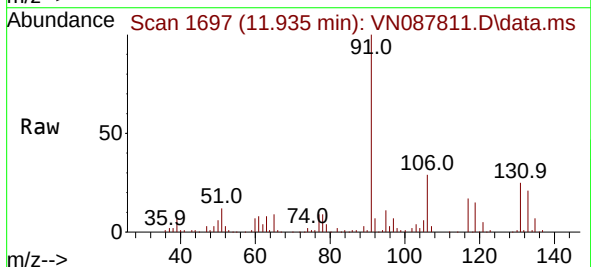
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

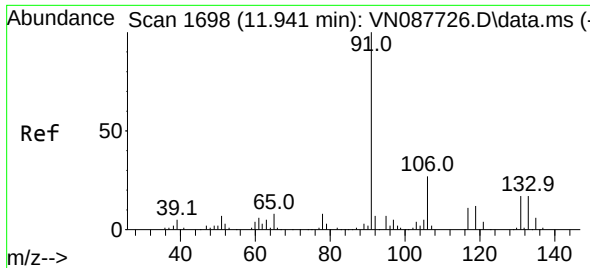
Tgt Ion:112 Resp: 182160
Ion Ratio Lower Upper
112 100
114 33.7 23.5 35.3



#65
1,1,1,2-Tetrachloroethane
Concen: 17.872 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion:131 Resp: 66968
Ion Ratio Lower Upper
131 100
133 91.2 0.0 195.8
119 64.4 0.0 139.0

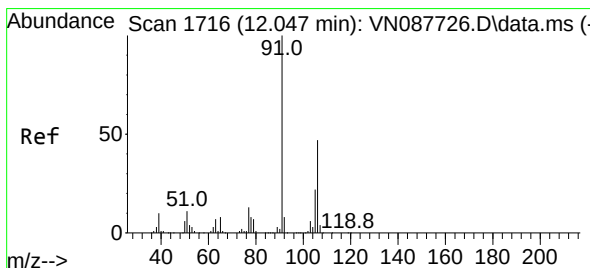
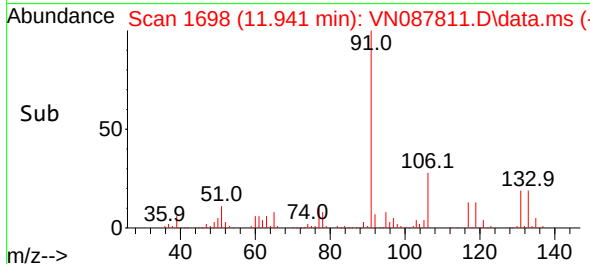
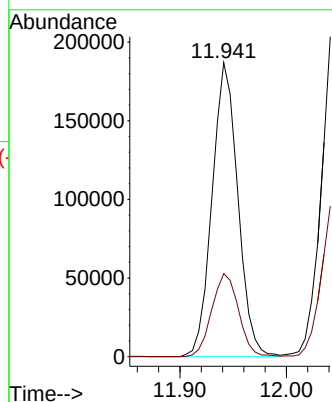
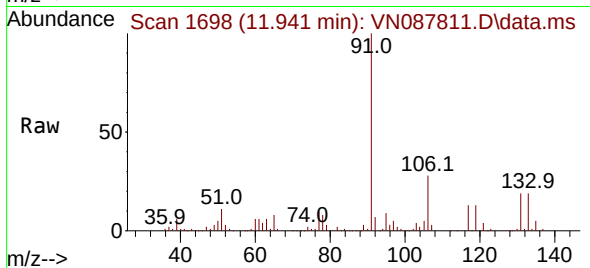




#66
Ethyl Benzene
Concen: 16.792 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

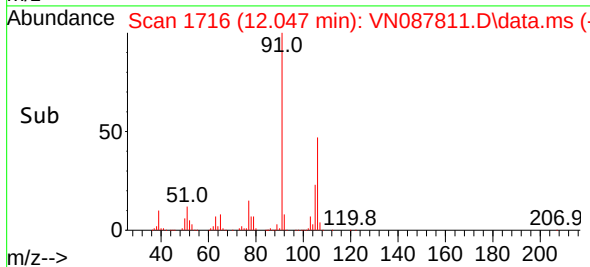
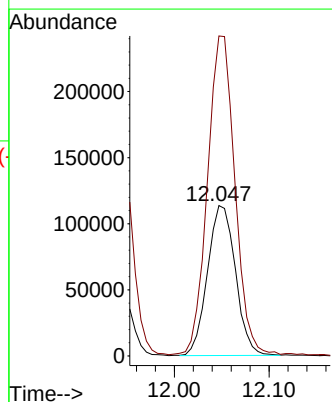
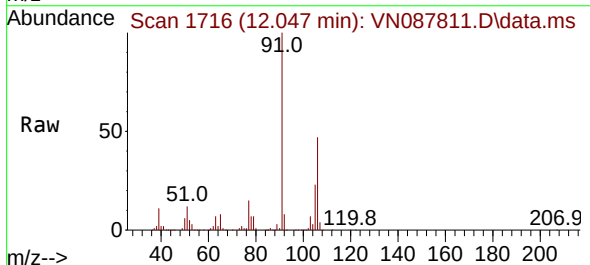
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

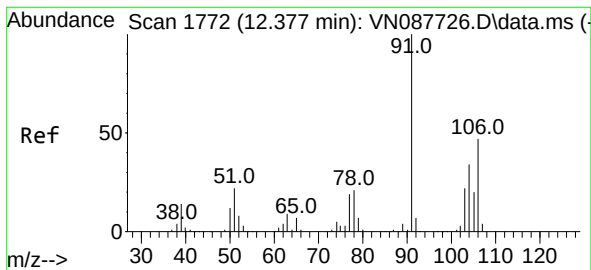
Tgt Ion: 91 Resp: 314142
Ion Ratio Lower Upper
91 100
106 28.2 21.3 31.9



#67
m/p-Xylenes
Concen: 33.488 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion:106 Resp: 232560
Ion Ratio Lower Upper
106 100
91 209.9 174.3 261.5

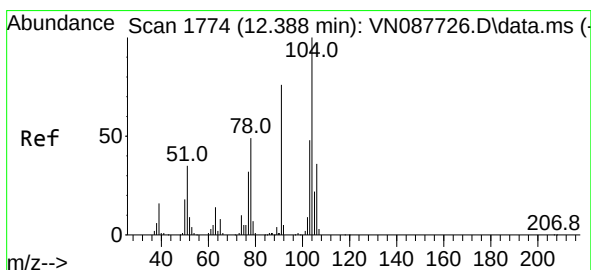
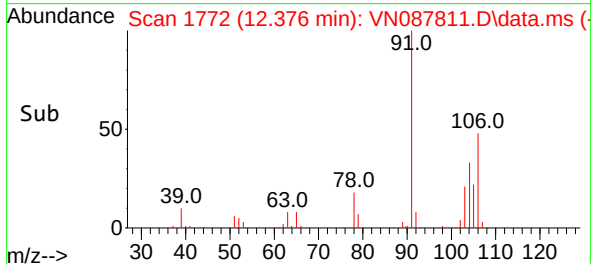
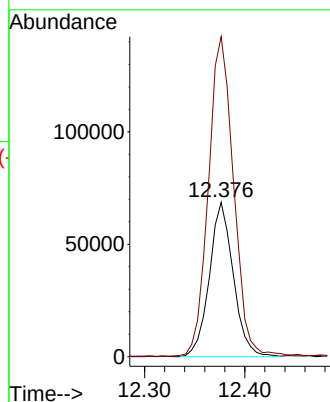
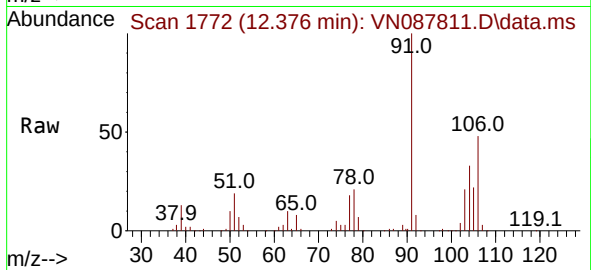




#68
o-Xylene
Concen: 16.929 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

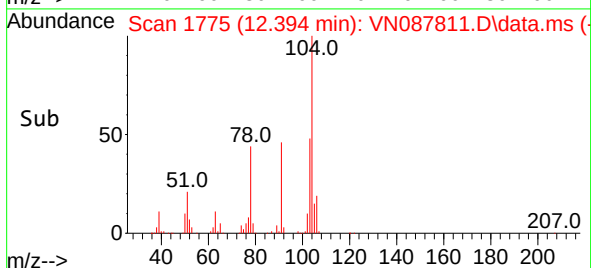
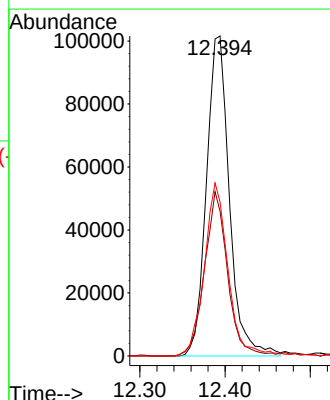
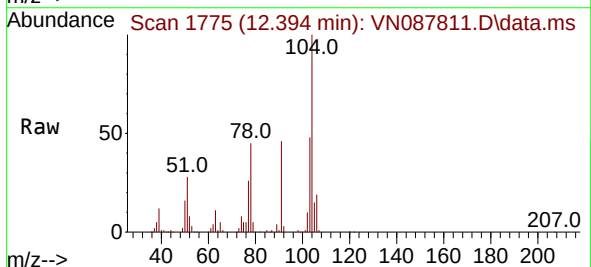
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

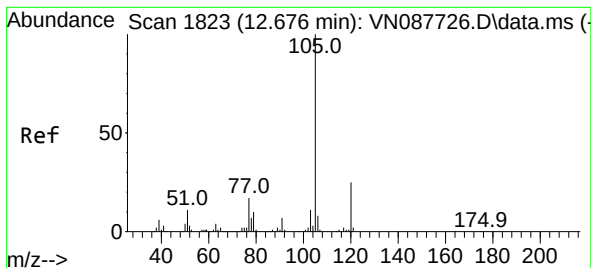
Tgt Ion:106 Resp: 113988
Ion Ratio Lower Upper
106 100
91 215.7 107.7 323.3



#69
Styrene
Concen: 16.302 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion:104 Resp: 190780
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.6
103 54.8 44.6 66.8





#70

Isopropylbenzene

Concen: 16.938 ug/l

RT: 12.676 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

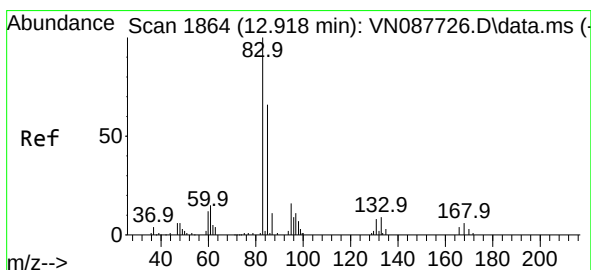
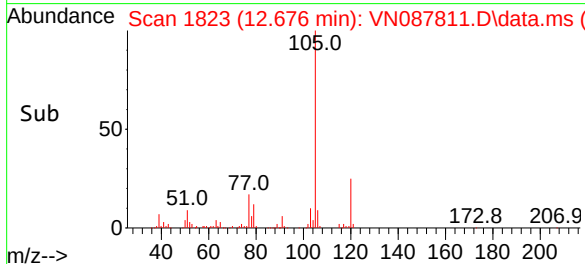
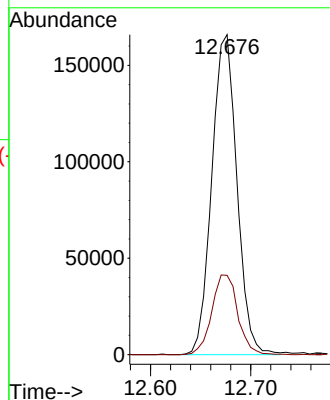
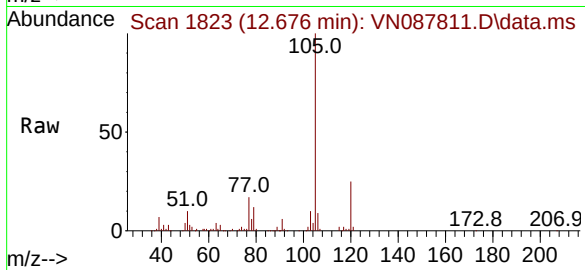
VSTDCCC020

Tgt Ion:105 Resp: 289180

Ion Ratio Lower Upper

105 100

120 25.8 17.4 32.4



#71

1,1,2,2-Tetrachloroethane

Concen: 16.950 ug/l

RT: 12.918 min Scan# 1864

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

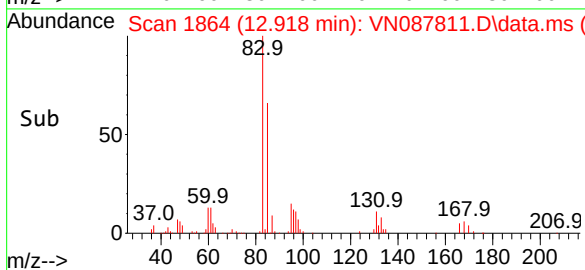
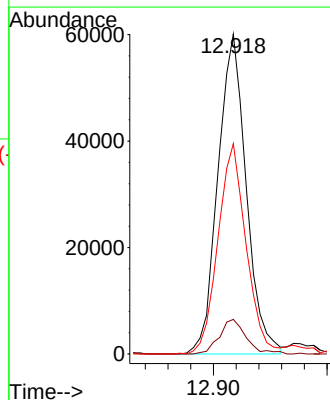
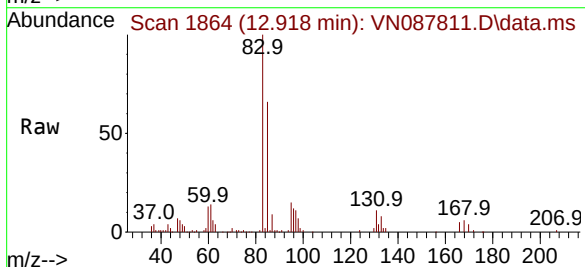
Tgt Ion: 83 Resp: 104036

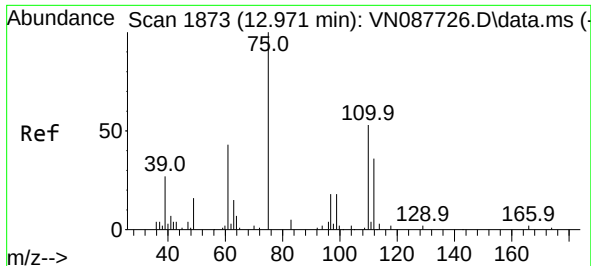
Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

85 65.2 31.9 95.7

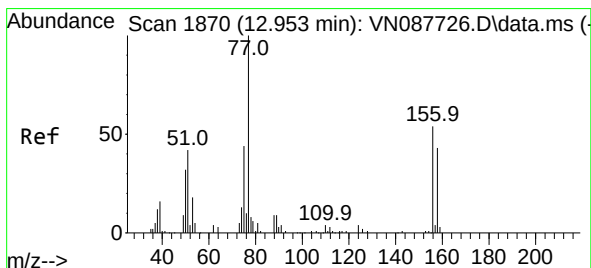
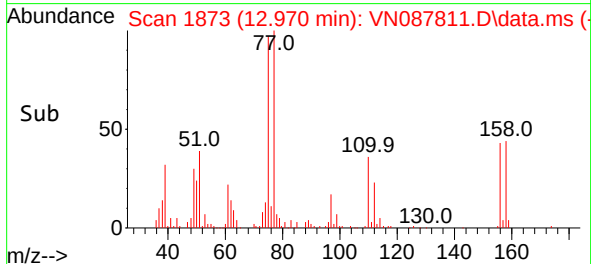
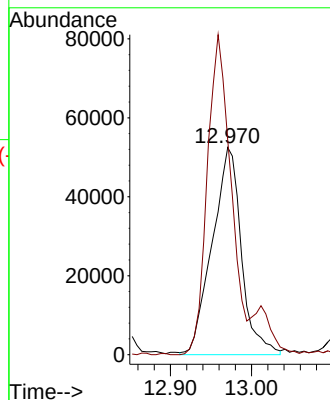
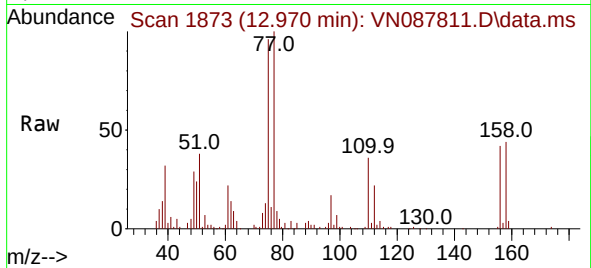




#72
1,2,3-Trichloropropane
Concen: 21.787 ug/l
RT: 12.970 min Scan# 1871
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

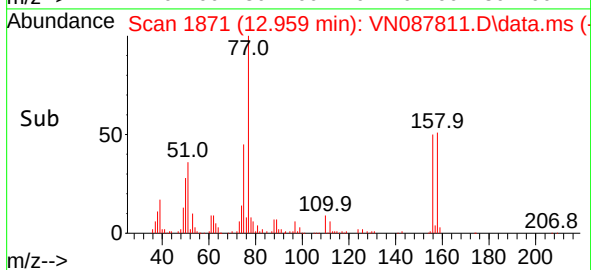
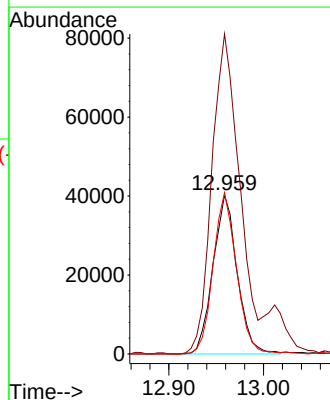
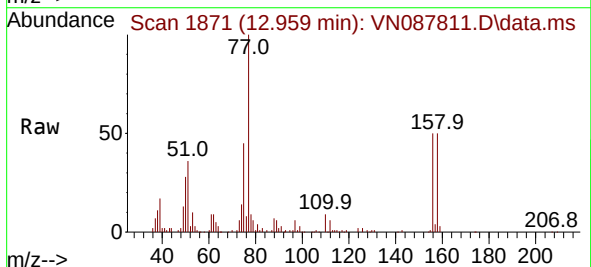
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

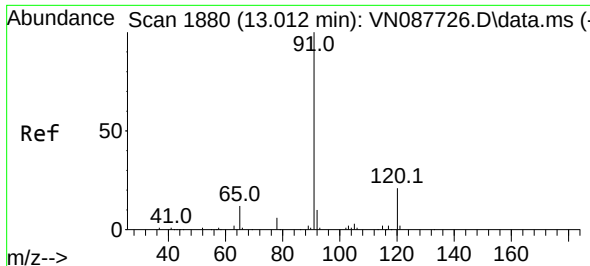
Tgt Ion: 75 Resp: 131295
Ion Ratio Lower Upper
75 100
77 124.0 0.0 378.8



#73
Bromobenzene
Concen: 17.091 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion:156 Resp: 71391
Ion Ratio Lower Upper
156 100
77 228.0 0.0 484.2
158 98.1 0.0 186.2

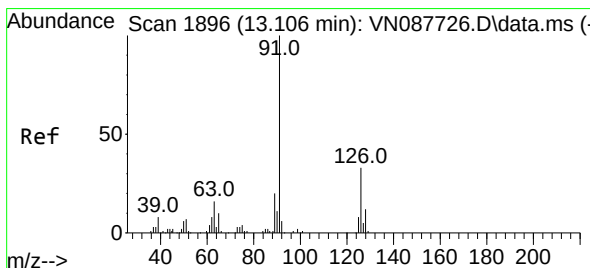
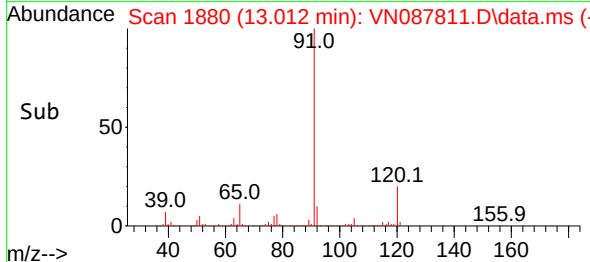
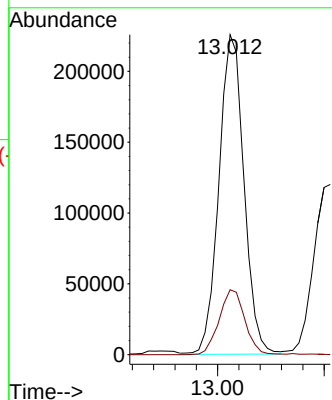
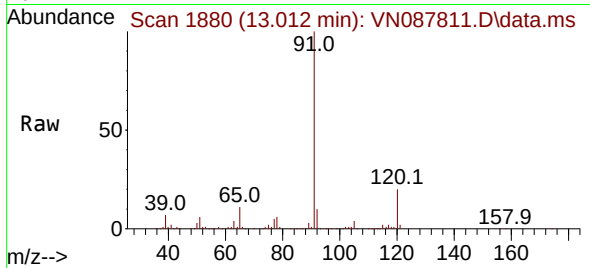




#74
n-propylbenzene
Concen: 17.059 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

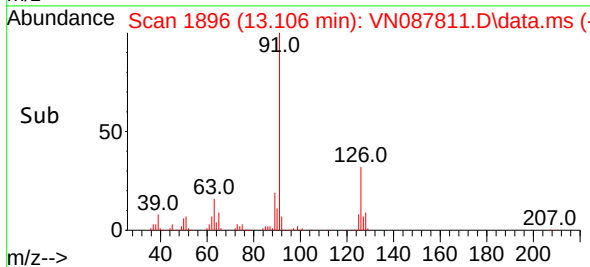
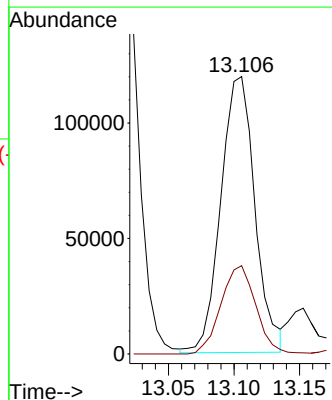
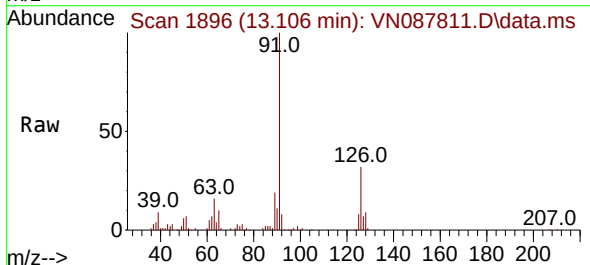
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

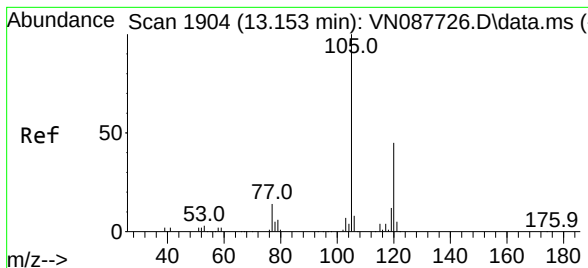
Tgt Ion: 91 Resp: 367468
Ion Ratio Lower Upper
91 100
120 20.9 0.0 42.2



#75
2-Chlorotoluene
Concen: 16.695 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 91 Resp: 216456
Ion Ratio Lower Upper
91 100
126 32.8 0.0 60.4





#76

1,3,5-Trimethylbenzene

Concen: 16.964 ug/l

RT: 13.147 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

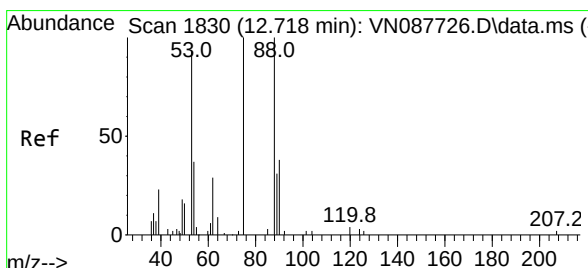
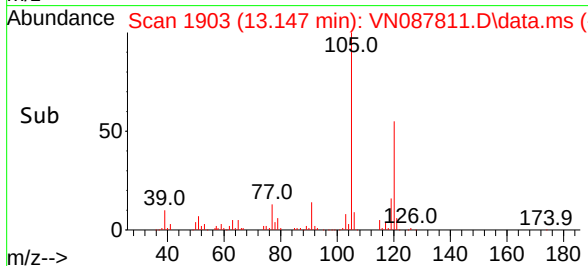
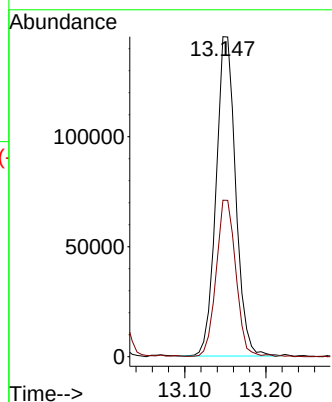
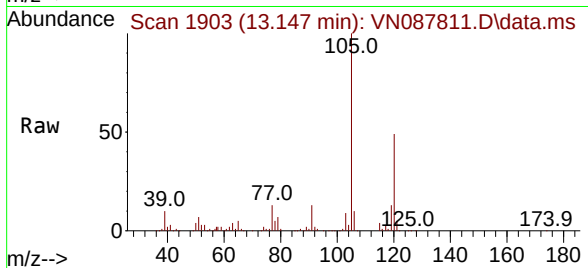
VSTDCCC020

Tgt Ion:105 Resp: 244576

Ion Ratio Lower Upper

105 100

120 48.9 0.0 92.6



#77

t-1,4-Dichloro-2-butene

Concen: 14.366 ug/l

RT: 12.718 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

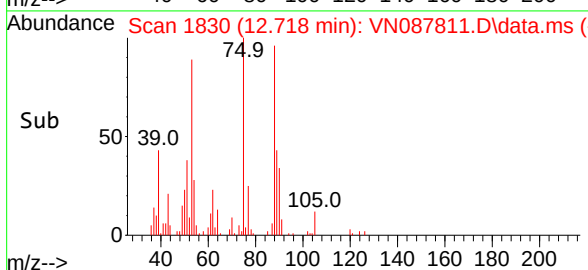
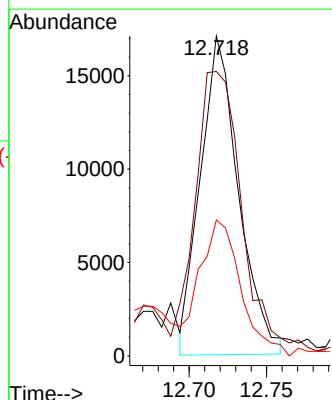
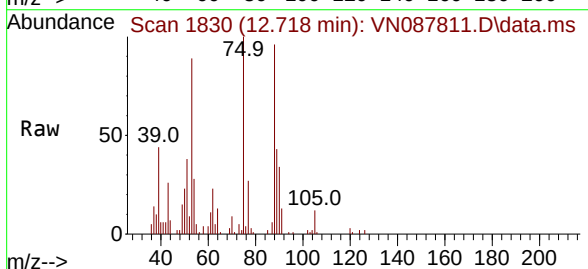
Tgt Ion: 75 Resp: 29221

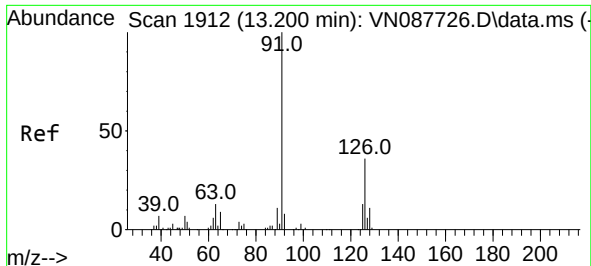
Ion Ratio Lower Upper

75 100

53 88.2 45.3 135.9

89 41.2 18.8 56.3

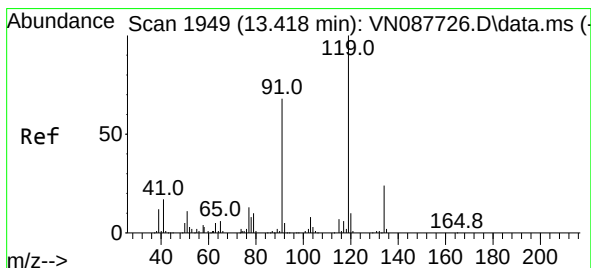
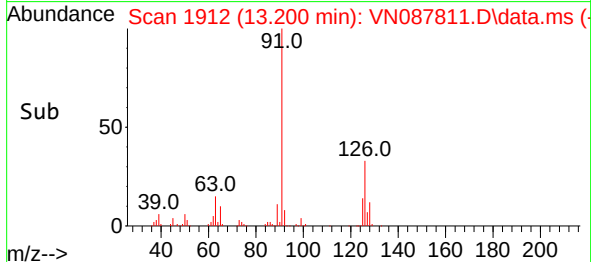
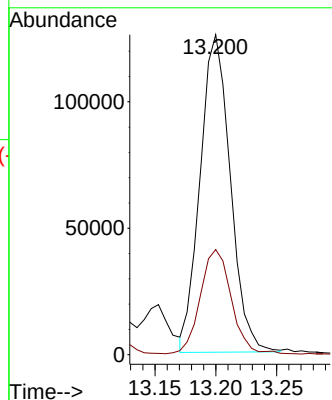
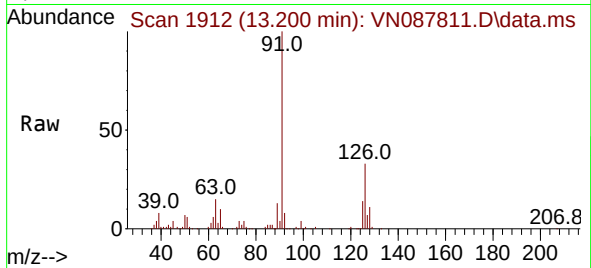




#78
4-Chlorotoluene
Concen: 16.592 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

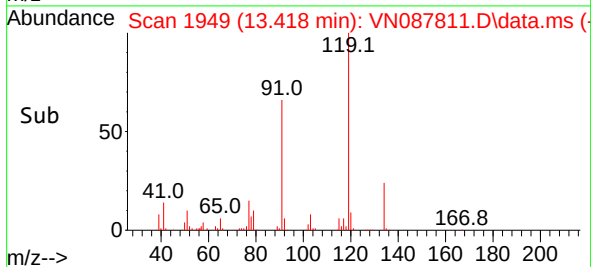
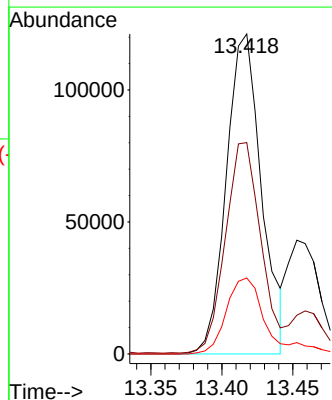
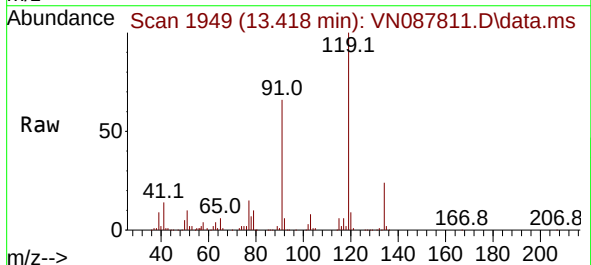
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

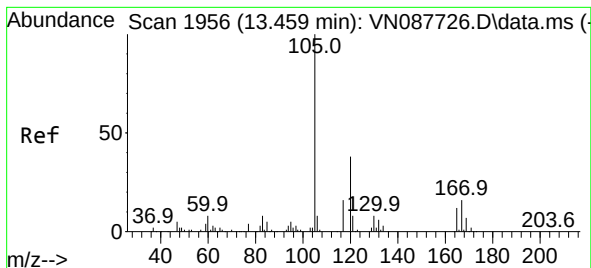
Tgt Ion: 91 Resp: 216873
Ion Ratio Lower Upper
91 100
126 33.8 0.0 67.0



#79
tert-butylbenzene
Concen: 17.312 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 119 Resp: 209027
Ion Ratio Lower Upper
119 100
91 65.9 0.0 142.6
134 24.5 0.0 47.2





#80

1,2,4-Trimethylbenzene

Concen: 17.037 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

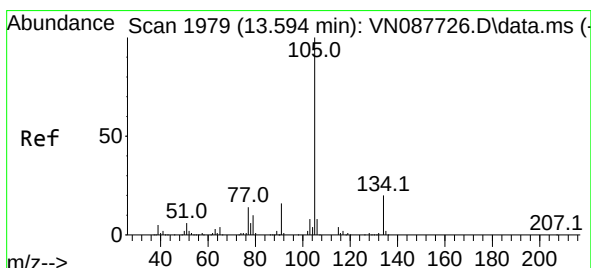
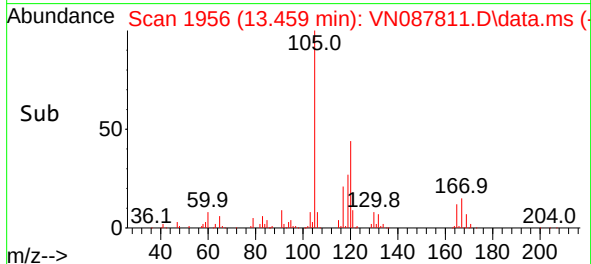
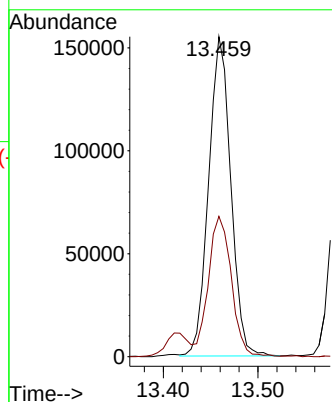
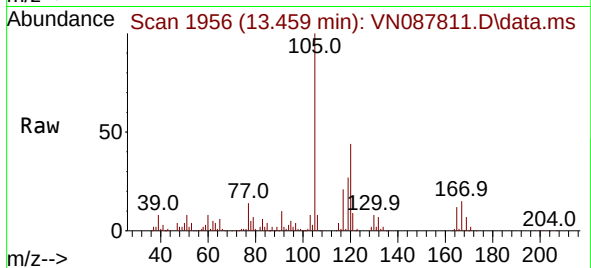
VSTDCCC020

Tgt Ion:105 Resp: 251821

Ion Ratio Lower Upper

105 100

120 45.4 0.0 86.6



#81

sec-Butylbenzene

Concen: 17.555 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VN087811.D

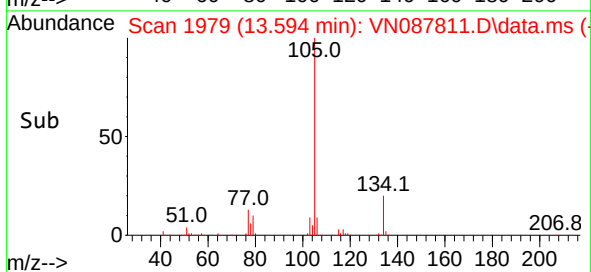
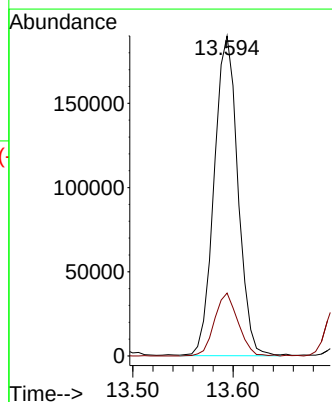
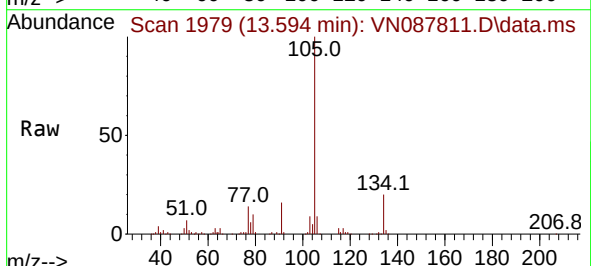
Acq: 12 Sep 2025 10:04

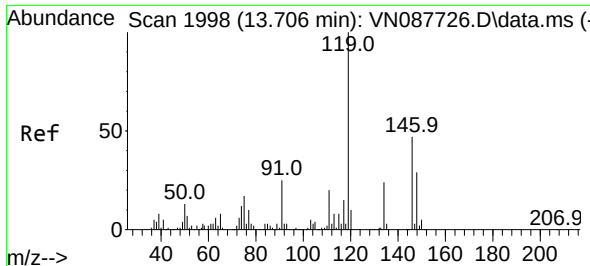
Tgt Ion:105 Resp: 311772

Ion Ratio Lower Upper

105 100

134 19.6 0.0 37.0

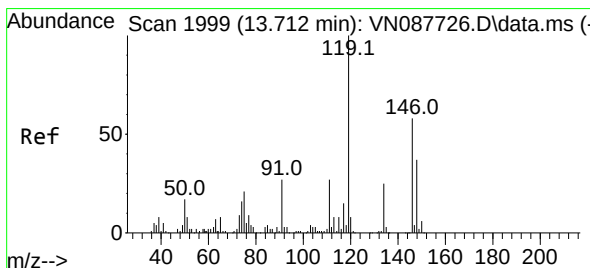
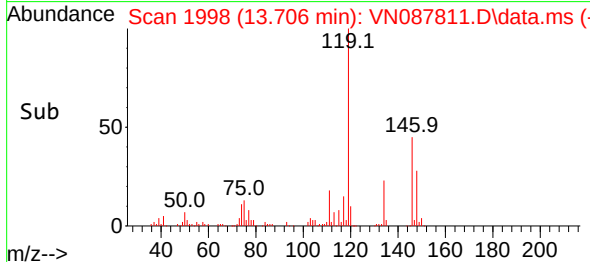
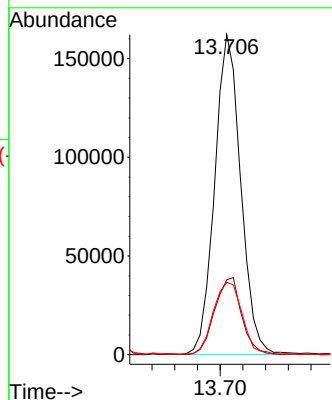
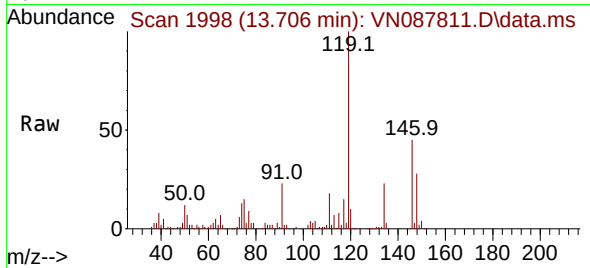




#82
 p-Isopropyltoluene
 Concen: 17.609 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087811.D
 Acq: 12 Sep 2025 10:04

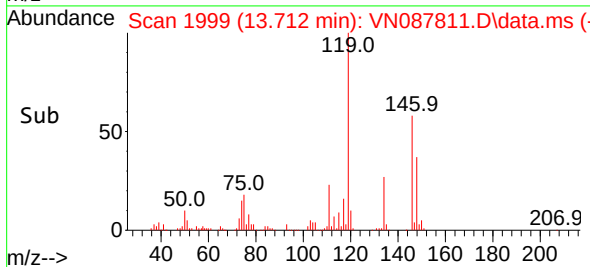
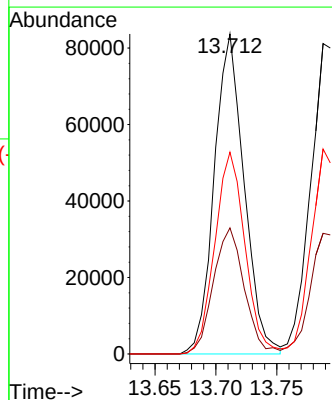
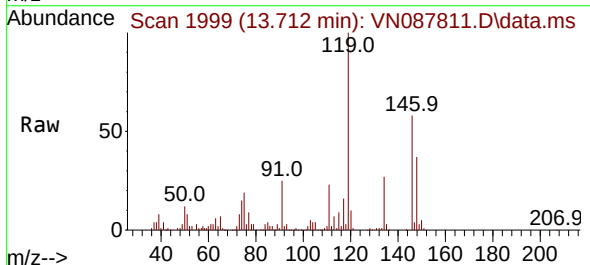
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

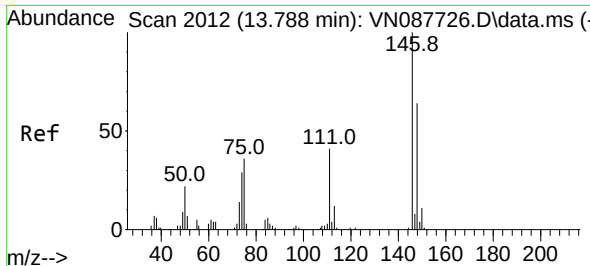
Tgt Ion:119 Resp: 257669
 Ion Ratio Lower Upper
 119 100
 134 24.9 0.0 49.4
 91 24.9 0.0 52.2



#83
 1,3-Dichlorobenzene
 Concen: 17.741 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VN087811.D
 Acq: 12 Sep 2025 10:04

Tgt Ion:146 Resp: 142868
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.1 63.4
 148 63.6 31.0 93.0

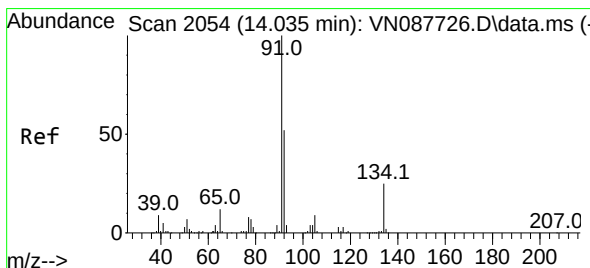
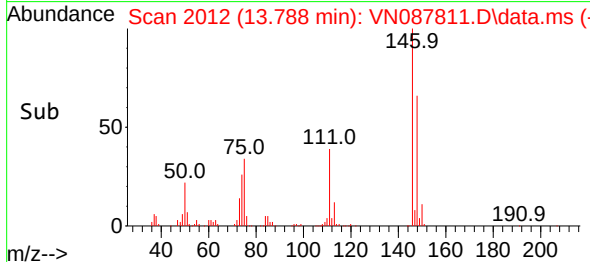
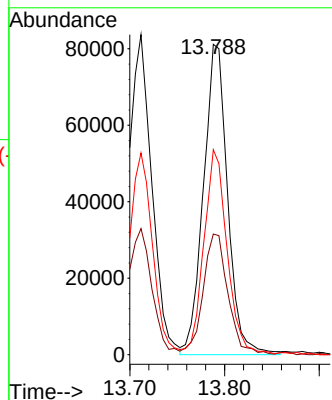
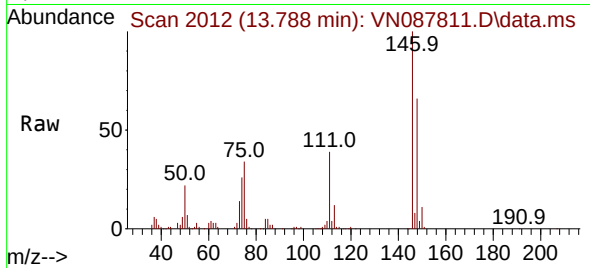




#84
1,4-Dichlorobenzene
Concen: 17.830 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

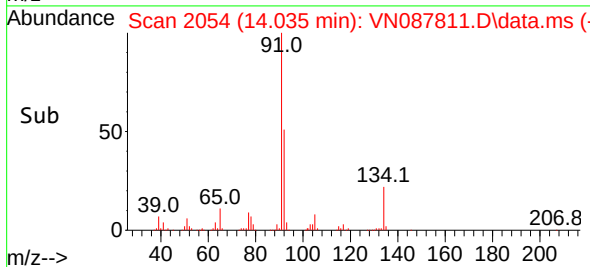
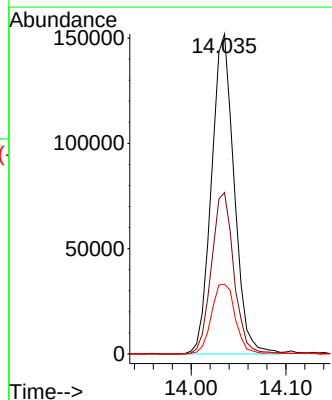
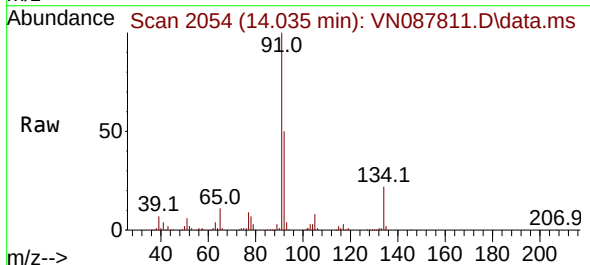
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

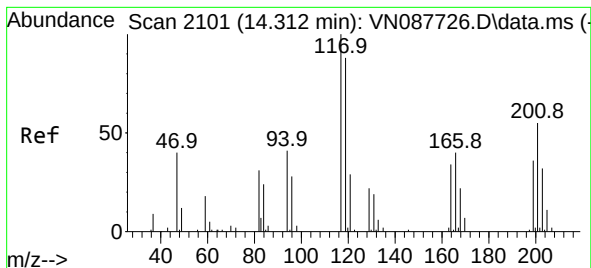
Tgt Ion:146 Resp: 143919
Ion Ratio Lower Upper
146 100
111 36.5 20.2 60.5
148 63.5 31.5 94.5



#85
n-Butylbenzene
Concen: 17.978 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion: 91 Resp: 252867
Ion Ratio Lower Upper
91 100
92 49.9 0.0 104.0
134 22.8 0.0 46.0





#86

Hexachloroethane

Concen: 17.375 ug/l

RT: 14.312 min Scan# 2101

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

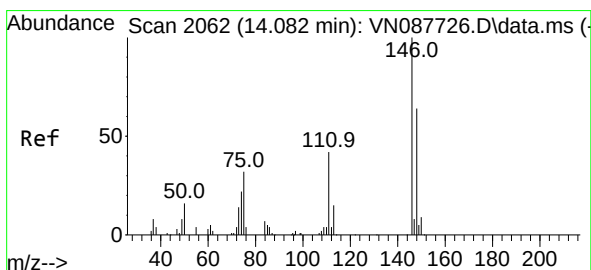
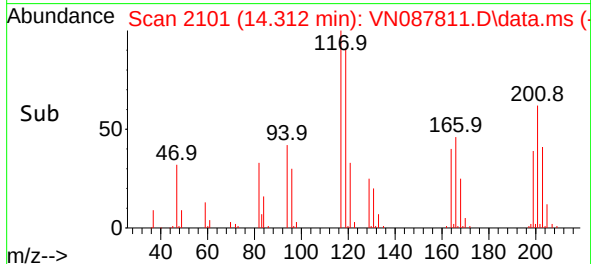
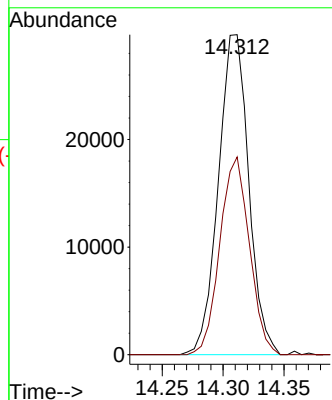
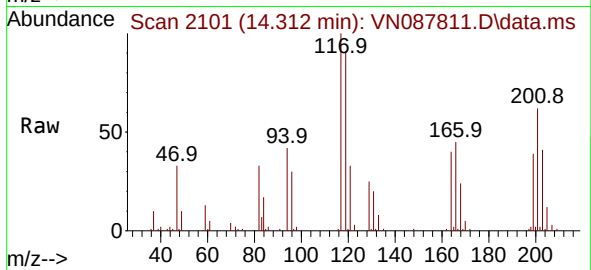
VSTDCCC020

Tgt Ion:117 Resp: 51642

Ion Ratio Lower Upper

117 100

201 60.1 29.9 89.7



#87

1,2-Dichlorobenzene

Concen: 18.161 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

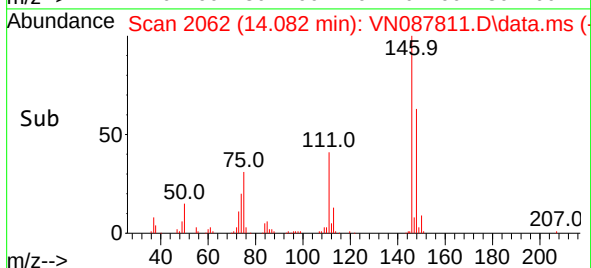
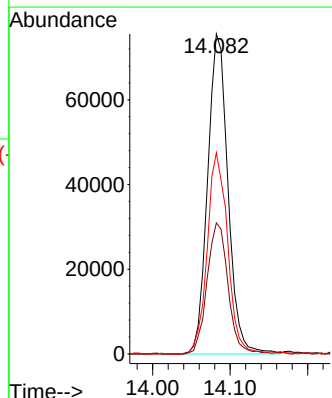
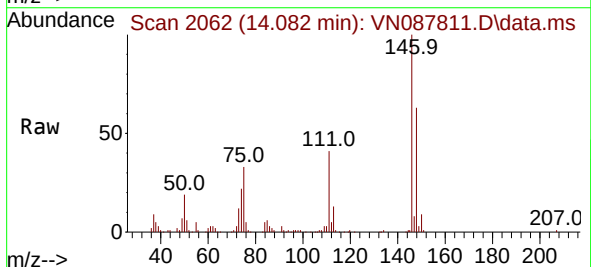
Tgt Ion:146 Resp: 137930

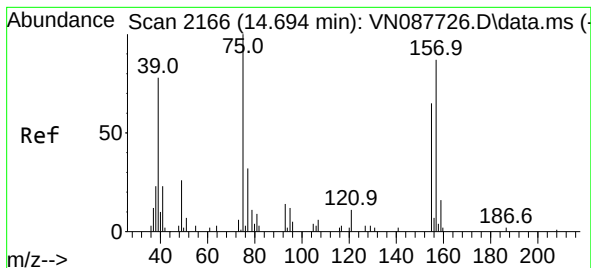
Ion Ratio Lower Upper

146 100

111 42.1 21.5 64.5

148 62.9 33.4 100.1





#88

1,2-Dibromo-3-Chloropropane

Concen: 15.801 ug/l

RT: 14.700 min Scan# 2167

Delta R.T. 0.006 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

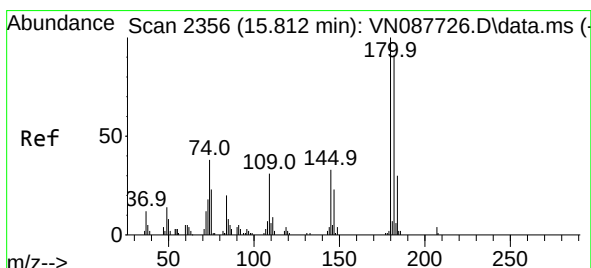
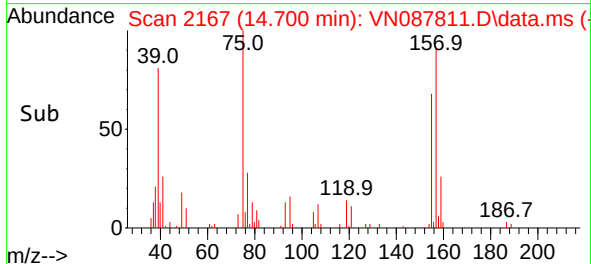
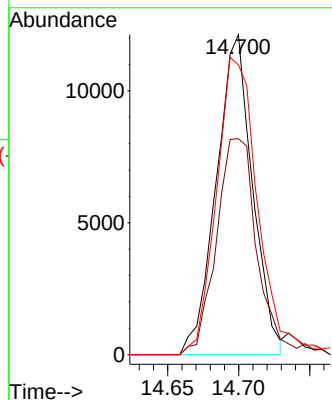
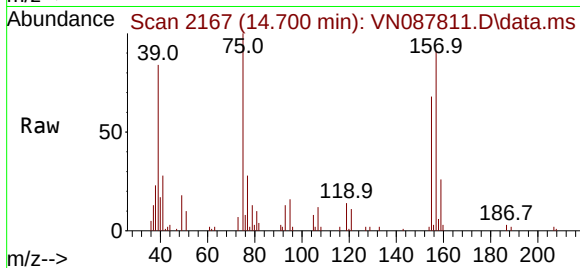
Tgt Ion: 75 Resp: 21522

Ion Ratio Lower Upper

75 100

155 75.0 53.0 79.4

157 106.4 72.2 108.4



#89

1,2,4-Trichlorobenzene

Concen: 17.784 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. -0.000 min

Lab File: VN087811.D

Acq: 12 Sep 2025 10:04

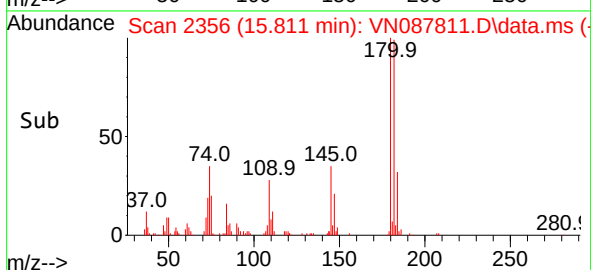
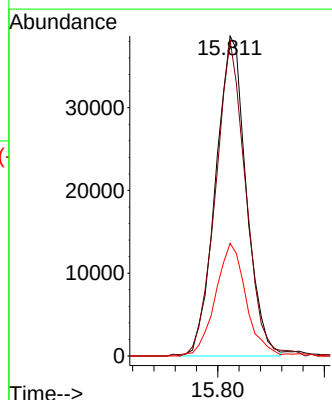
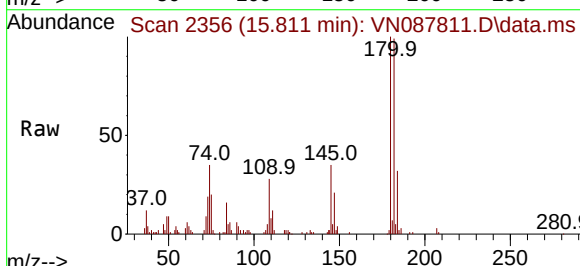
Tgt Ion:180 Resp: 76825

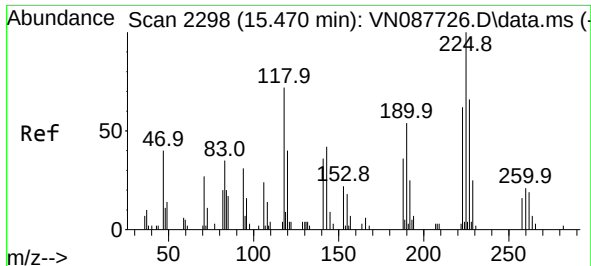
Ion Ratio Lower Upper

180 100

182 97.1 74.6 111.8

145 35.1 27.4 41.0

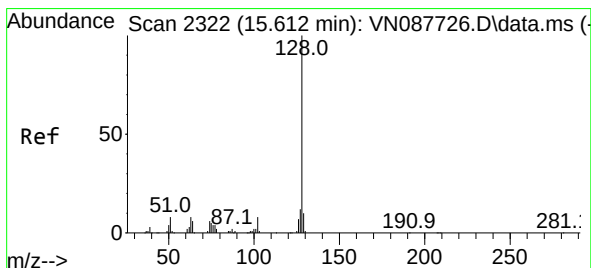
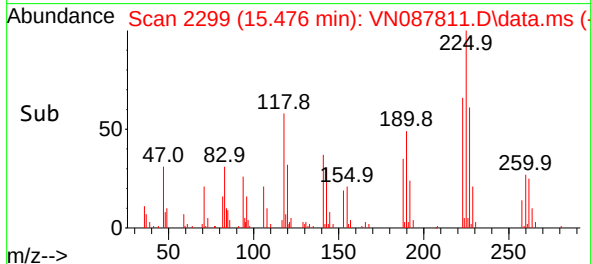
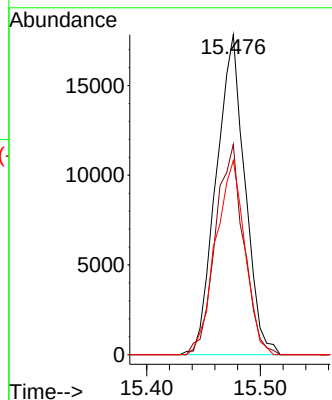
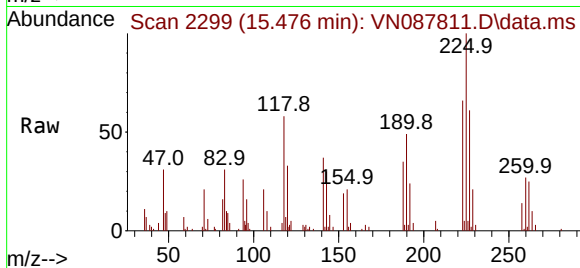




#90
Hexachlorobutadiene
Concen: 21.566 ug/l
RT: 15.476 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

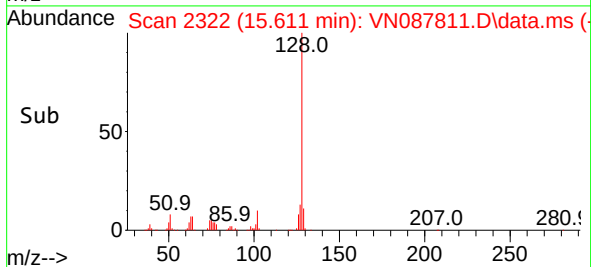
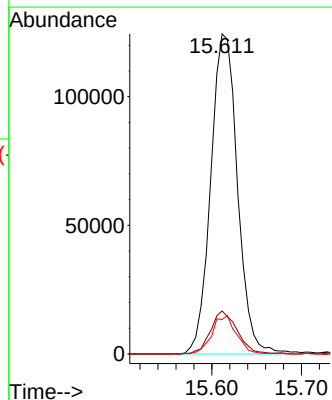
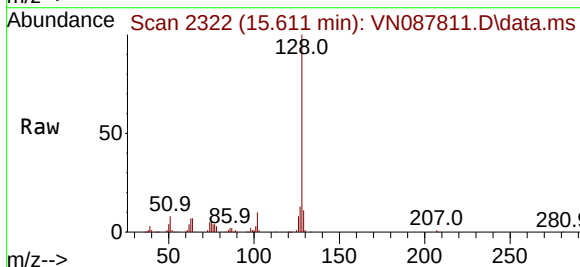
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

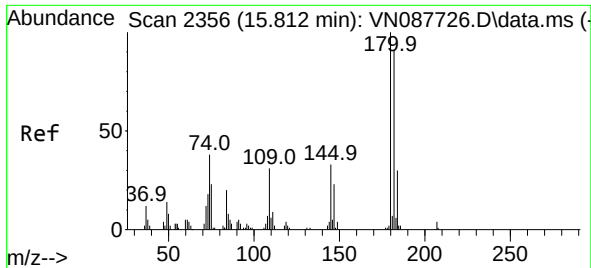
Tgt Ion:225 Resp: 31231
Ion Ratio Lower Upper
225 100
223 65.2 0.0 118.2
227 62.1 0.0 139.0



#91
Naphthalene
Concen: 16.188 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN087811.D
Acq: 12 Sep 2025 10:04

Tgt Ion:128 Resp: 257449
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.0 8.3 12.5





#92
 1,2,3-Trichlorobenzene
 Concen: 17.784 ug/l
 RT: 15.811 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN087811.D
 Acq: 12 Sep 2025 10:04

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:180 Resp: 76825
 Ion Ratio Lower Upper
 180 100
 182 97.1 0.0 186.4
 145 35.1 0.0 68.4

