

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
 Data File : VN087448.D
 Acq On : 05 Aug 2025 10:06
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 06 02:08:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 06 02:01:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	72959	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	411702	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	378620	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	205279	30.505	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.667%	
60) 4-Bromofluorobenzene	12.823	95	195685	30.032	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 100.100%	
63) Toluene-d8	10.547	98	515350	29.582	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 98.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	81698	17.151	ug/l	99
3) Chloromethane	2.383	50	81246	16.624	ug/l	94
4) Vinyl Chloride	2.542	62	90458	17.451	ug/l	96
5) Bromomethane	2.977	94	47349	16.876	ug/l	82
6) Chloroethane	3.142	64	60933	18.230	ug/l	96
7) Trichlorofluoromethane	3.512	101	134396	18.016	ug/l	94
8) Diethyl Ether	3.965	74	55704	17.923	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	67463	17.734	ug/l	88
10) 1,1-Dichloroethene	4.336	96	67679	16.937	ug/l	87
11) Methyl Iodide	4.583	142	38034	12.088	ug/l	97
12) Methyl Acetate	5.018	43	163807	22.214	ug/l	97
13) Acrolein	4.177	56	59454	52.789	ug/l	98
14) Acrylonitrile	5.706	53	305609	94.911	ug/l	98
15) Acetone	4.418	58	82325	89.482	ug/l	93
16) Carbon Disulfide	4.700	76	195551	15.776	ug/l	99
17) Allyl chloride	5.006	41	150096	18.429	ug/l	91
18) Methylene Chloride	5.259	84	90763	17.644	ug/l	90
19) trans-1,2-Dichloroethene	5.771	96	79957	16.827	ug/l	97
20) Diisopropyl ether	6.659	45	358948	19.346	ug/l	98
21) 1,1-Dichloroethane	6.547	63	181562	18.931	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	107016	18.304	ug/l	98
23) tert-Butyl Alcohol	5.518	59	128579	93.974	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	343504	18.866	ug/l	99
25) Chloroform	7.947	83	190681	19.047	ug/l	99
26) Cyclohexane	8.241	56	135009	17.582	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	118339	17.623	ug/l	99
30) 2-Butanone	7.471	43	451349	91.188	ug/l	100
31) 2,2-Dichloropropane	7.477	77	165732	19.136	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	160281	18.715	ug/l	95
33) Carbon Tetrachloride	8.153	117	18983	2.668	ug/l #	95
34) Benzene	8.588	78	378307	17.847	ug/l	99
35) Methacrylonitrile	7.759	41	95137	17.812	ug/l	97
36) 1,2-Dichloroethane	8.653	62	157652	18.402	ug/l	99
37) Trichloroethene	9.335	130	84470	18.091	ug/l	98
38) Methylcyclohexane	9.582	83	133540	17.143	ug/l	98
39) 1,2-Dichloropropane	9.600	63	100292	18.454	ug/l	97
40) Dibromomethane	9.688	93	74729	18.327	ug/l	98
41) Bromodichloromethane	9.871	83	157676	18.609	ug/l	97
42) Vinyl Acetate	6.588	43	1613932	99.014	ug/l	98

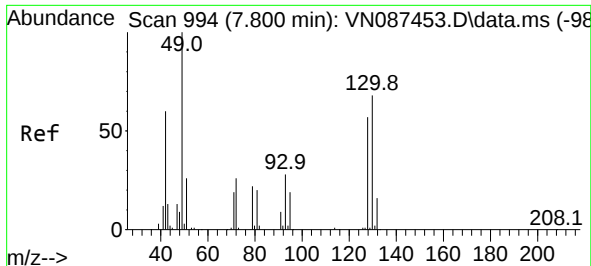
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	159855	16.718	ug/l	98
44) Isopropyl Acetate	8.671	43	303599	18.730	ug/l	100
45) 1,4-Dioxane	9.677	88	40614	393.047	ug/l	99
46) Methyl methacrylate	9.665	41	139402	18.220	ug/l	91
47) n-amyl Acetate	12.518	43	43630	4.873	ug/l #	34
48) t-1,3-Dichloropropene	10.818	75	167994	18.224	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	167382	18.043	ug/l	98
50) 1,1,2-Trichloroethane	10.994	97	97149	18.857	ug/l	97
51) Ethyl methacrylate	10.859	69	169707	18.704	ug/l	99
52) 1,3-Dichloropropane	11.141	76	172929	18.631	ug/l	99
53) Dibromochloromethane	11.341	129	116772	19.626	ug/l	97
54) 1,2-Dibromoethane	11.453	107	99207	18.140	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	436746	91.437	ug/l	99
56) Bromoform	12.559	173	71928	18.277	ug/l #	96
58) 4-Methyl-2-Pentanone	10.429	43	912659	93.703	ug/l	99
59) 2-Hexanone	11.176	43	614267	92.821	ug/l	99
61) Tetrachloroethene	11.082	164	65549	17.770	ug/l	94
62) Toluene	10.612	91	414633	17.743	ug/l	100
64) Chlorobenzene	11.871	112	261447	18.208	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	94862	18.790	ug/l	98
66) Ethyl Benzene	11.941	91	469351	18.020	ug/l	98
67) m/p-Xylenes	12.053	106	339581	35.519	ug/l	100
68) o-Xylene	12.376	106	169178	17.987	ug/l	98
69) Styrene	12.394	104	288596	17.970	ug/l	99
70) Isopropylbenzene	12.676	105	442228	18.506	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	155651	19.011	ug/l	97
72) 1,2,3-Trichloropropane	12.970	75	205893	26.994	ug/l	54
73) Bromobenzene	12.959	156	101166	18.263	ug/l	99
74) n-propylbenzene	13.012	91	541319	18.139	ug/l	99
75) 2-Chlorotoluene	13.106	91	333479	18.166	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	366342	17.905	ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	51424	17.810	ug/l	86
78) 4-Chlorotoluene	13.200	91	344690	18.529	ug/l	98
79) tert-butylbenzene	13.417	119	317095	18.382	ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	366906	17.946	ug/l	100
81) sec-Butylbenzene	13.594	105	456813	18.190	ug/l	99
82) p-Isopropyltoluene	13.706	119	382192	18.329	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	186588	17.688	ug/l	97
84) 1,4-Dichlorobenzene	13.788	146	200047	18.706	ug/l	99
85) n-Butylbenzene	14.035	91	374400	18.352	ug/l	98
86) Hexachloroethane	14.312	117	77174	18.953	ug/l	95
87) 1,2-Dichlorobenzene	14.082	146	189854	18.855	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	37808	18.228	ug/l	96
89) 1,2,4-Trichlorobenzene	15.811	180	109387	18.178	ug/l	99
90) Hexachlorobutadiene	15.476	225	42675	18.237	ug/l	97
91) Naphthalene	15.611	128	415572	18.112	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	109387	18.178	ug/l	99

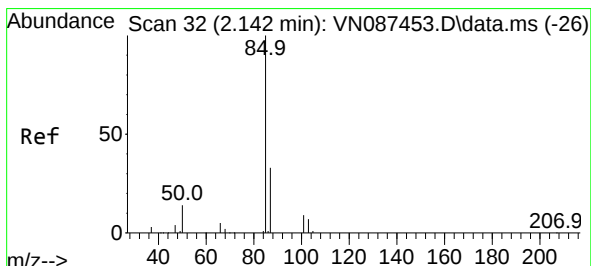
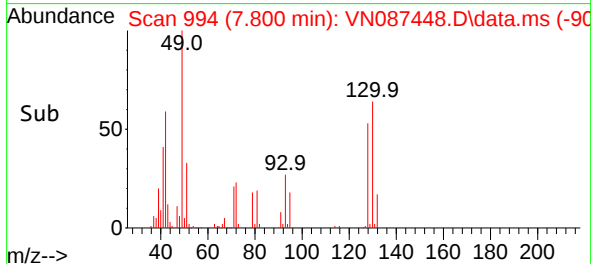
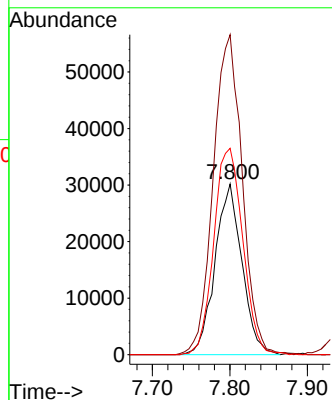
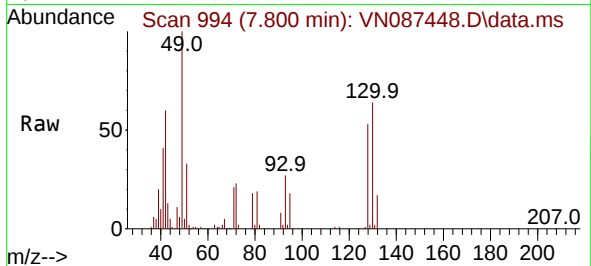
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

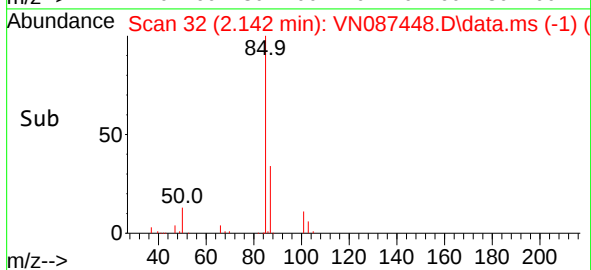
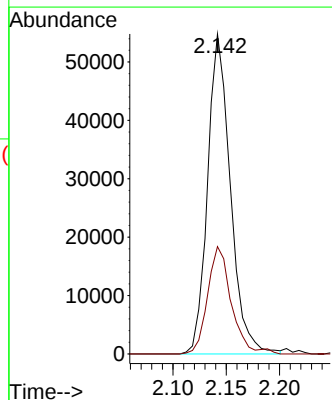
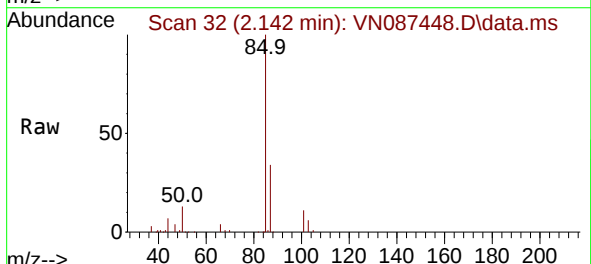
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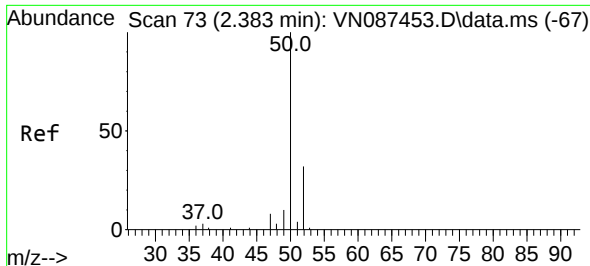
Tgt Ion:128 Resp: 72959
Ion Ratio Lower Upper
128 100
49 201.6 0.0 494.8
130 130.4 0.0 321.5



#2
Dichlorodifluoromethane
Concen: 17.151 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 85 Resp: 81698
Ion Ratio Lower Upper
85 100
87 33.5 16.4 49.2

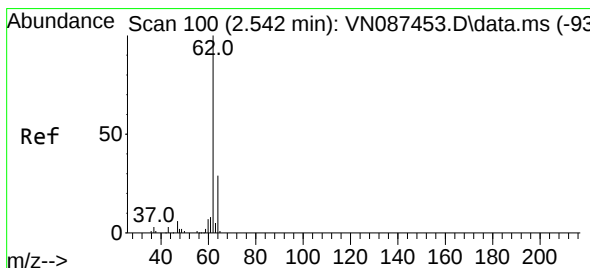
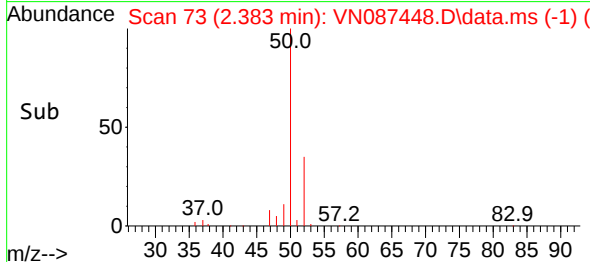
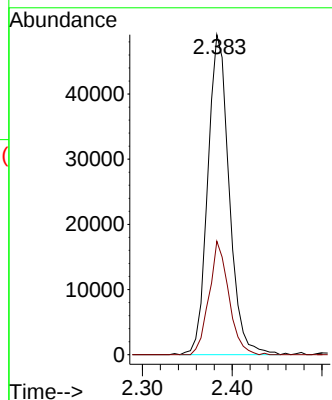
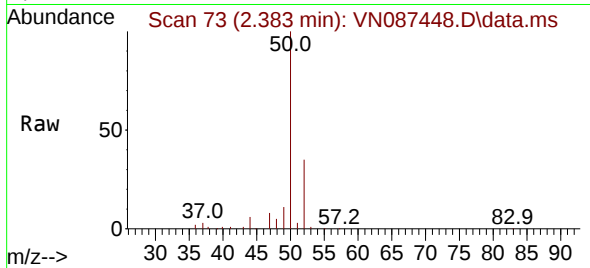




#3
Chloromethane
Concen: 16.624 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

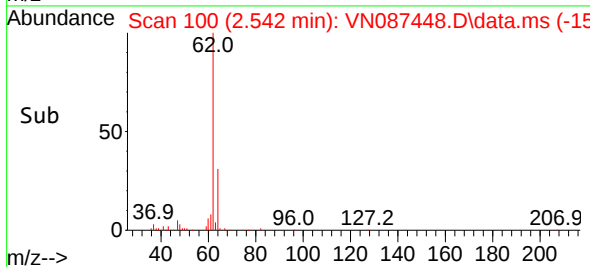
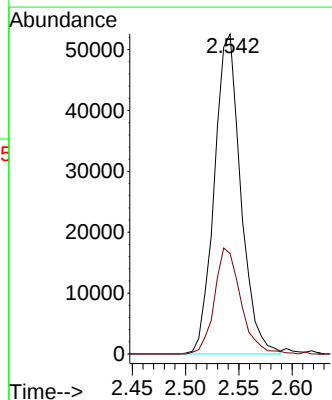
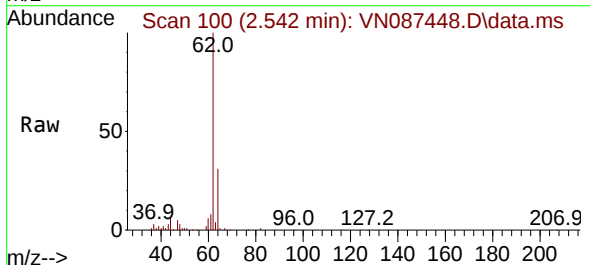
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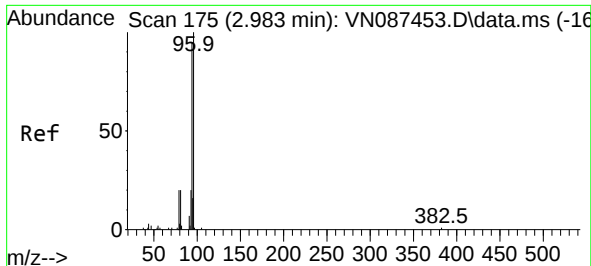
Tgt Ion: 50 Resp: 81246
Ion Ratio Lower Upper
50 100
52 35.5 25.8 38.6



#4
Vinyl Chloride
Concen: 17.451 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 62 Resp: 90458
Ion Ratio Lower Upper
62 100
64 31.4 23.4 35.2

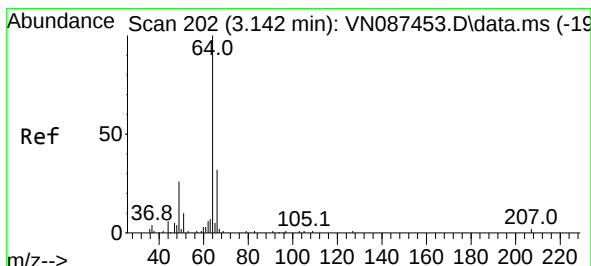
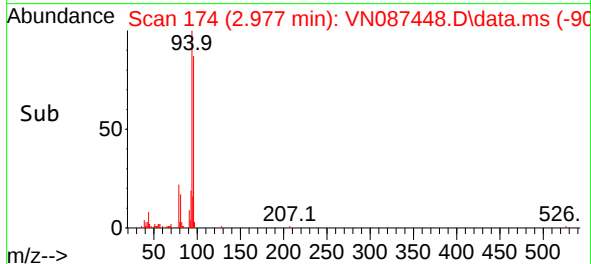
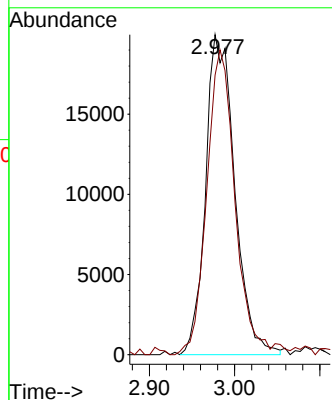
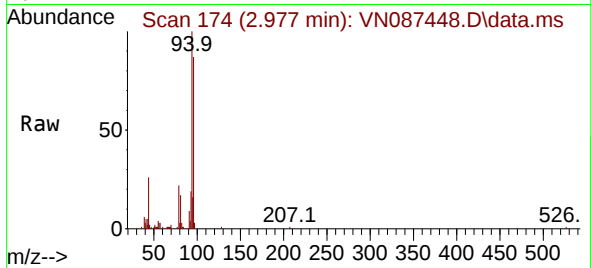




#5
Bromomethane
Concen: 16.876 ug/l
RT: 2.977 min Scan# 174
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

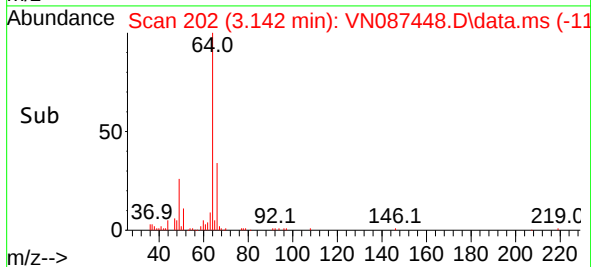
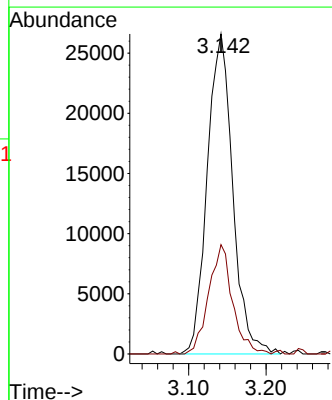
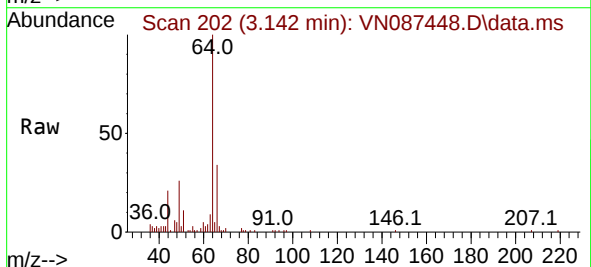
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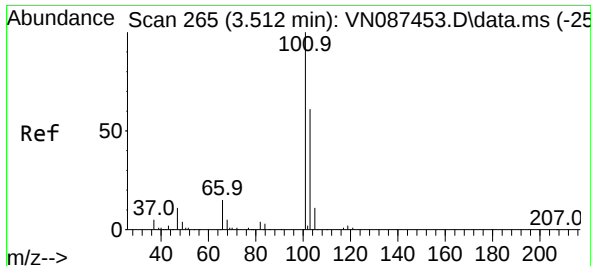
Tgt Ion: 94 Resp: 47349
Ion Ratio Lower Upper
94 100
96 86.4 84.2 126.4



#6
Chloroethane
Concen: 18.230 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 64 Resp: 60933
Ion Ratio Lower Upper
64 100
66 34.1 25.4 38.0

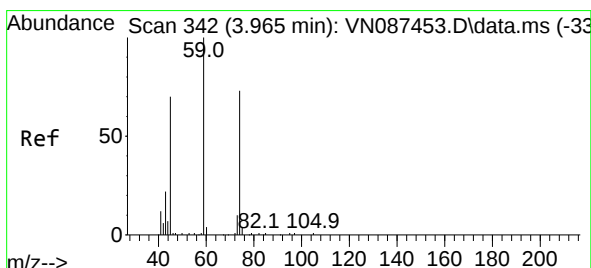
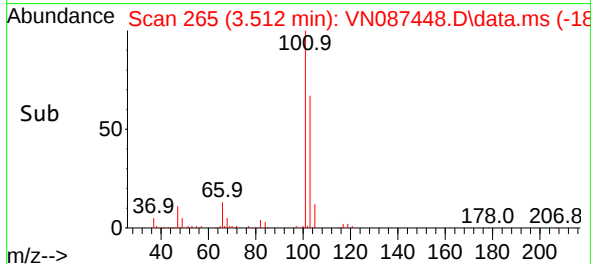
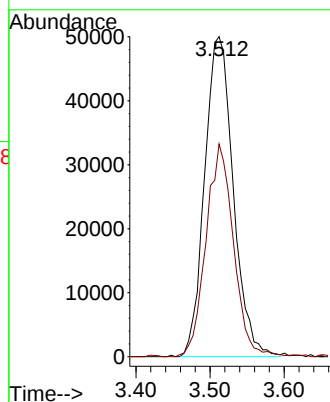
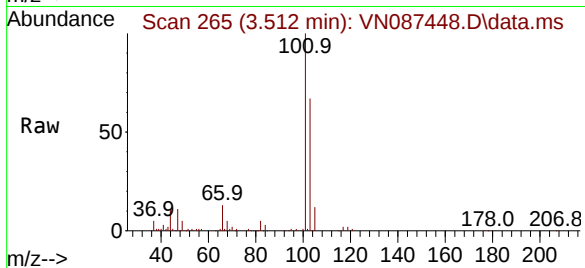




#7
 Trichlorofluoromethane
 Concen: 18.016 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. -0.000 min
 Lab File: VN087448.D
 Acq: 05 Aug 2025 10:06

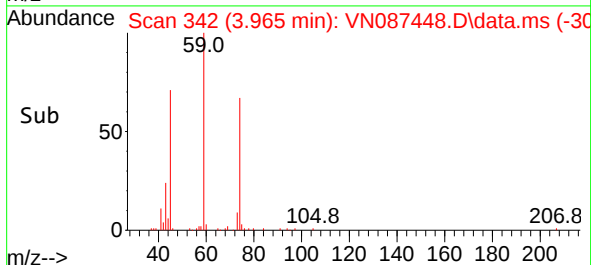
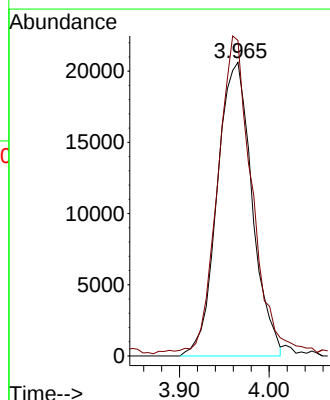
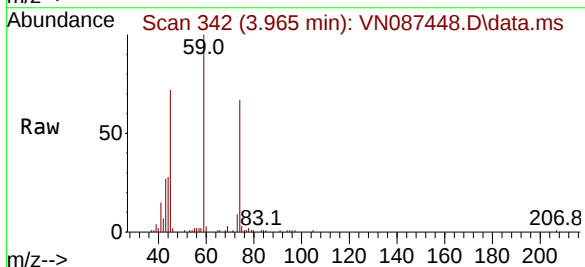
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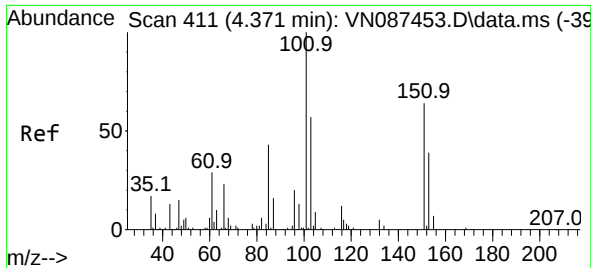
Tgt Ion:101 Resp: 134396
 Ion Ratio Lower Upper
 101 100
 103 65.9 49.2 73.8



#8
 Diethyl Ether
 Concen: 17.923 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN087448.D
 Acq: 05 Aug 2025 10:06

Tgt Ion: 74 Resp: 55704
 Ion Ratio Lower Upper
 74 100
 45 104.4 20.1 180.9

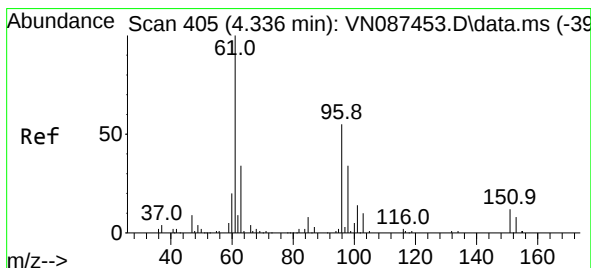
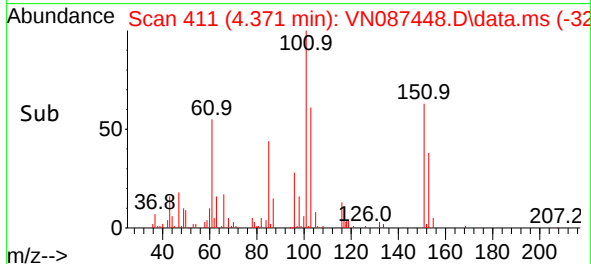
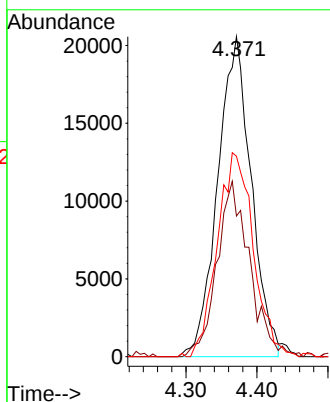
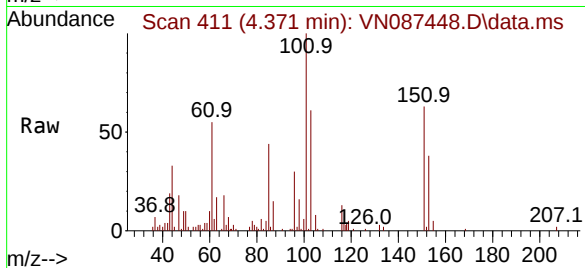




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.734 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. -0.000 min
 Lab File: VN087448.D
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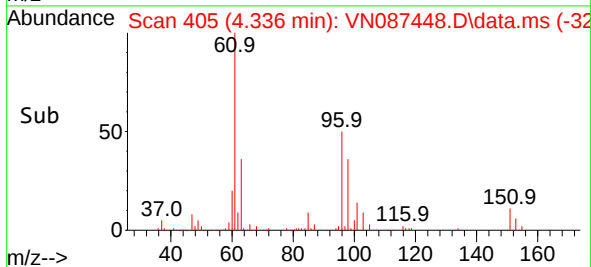
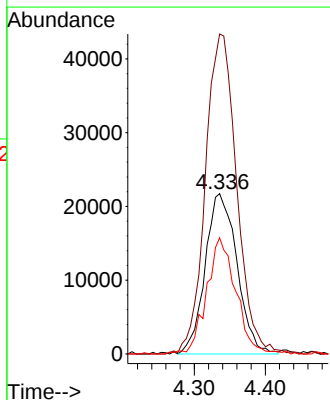
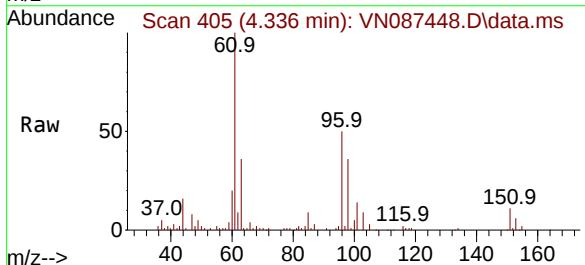
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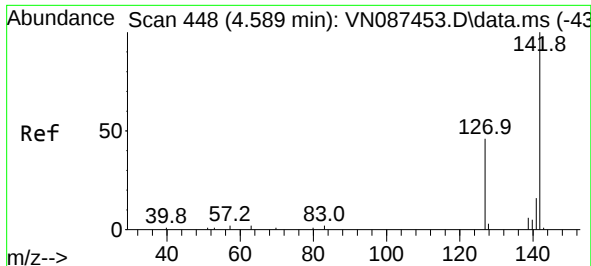
Tgt Ion:101 Resp: 67463
 Ion Ratio Lower Upper
 101 100
 85 48.3 0.0 57.0
 151 68.3 0.0 134.2



#10
 1,1-Dichloroethene
 Concen: 16.937 ug/l
 RT: 4.336 min Scan# 405
 Delta R.T. 0.000 min
 Lab File: VN087448.D
 Acq: 05 Aug 2025 10:06

Tgt Ion: 96 Resp: 67679
 Ion Ratio Lower Upper
 96 100
 61 198.8 144.2 216.4
 98 71.2 49.7 74.5

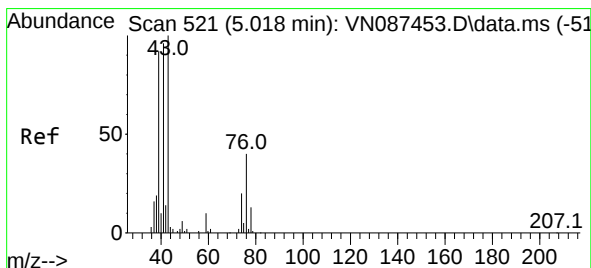
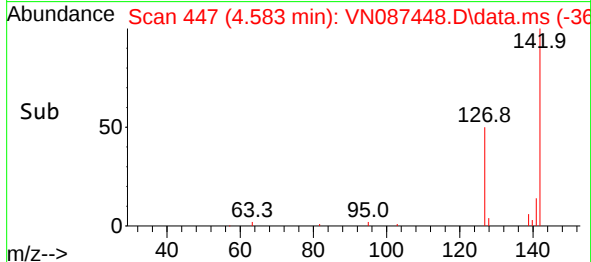
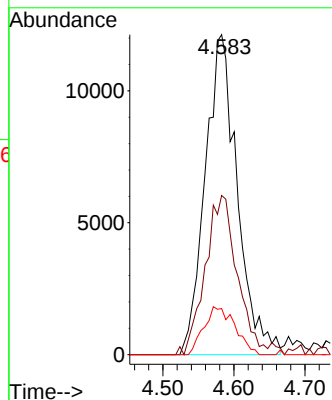
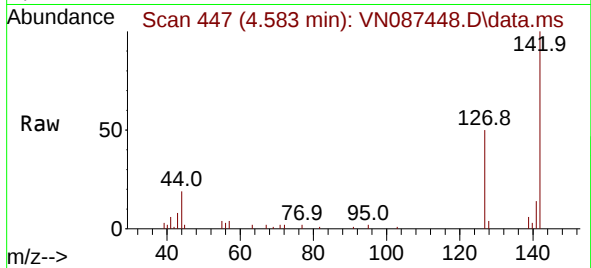




#11
Methyl Iodide
Concen: 12.088 ug/l
RT: 4.583 min Scan# 448
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

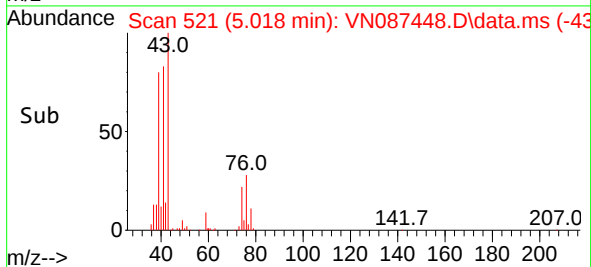
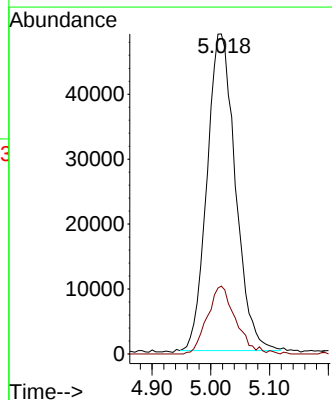
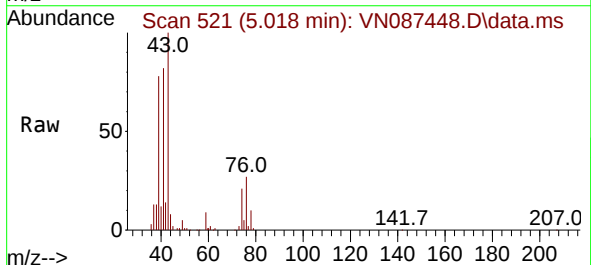
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

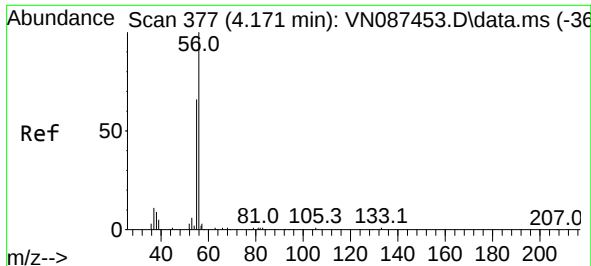
Tgt Ion:142 Resp: 38034
Ion Ratio Lower Upper
142 100
127 47.9 22.9 68.7
141 13.8 7.7 23.1



#12
Methyl Acetate
Concen: 22.214 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 43 Resp: 163807
Ion Ratio Lower Upper
43 100
74 21.5 16.0 24.0

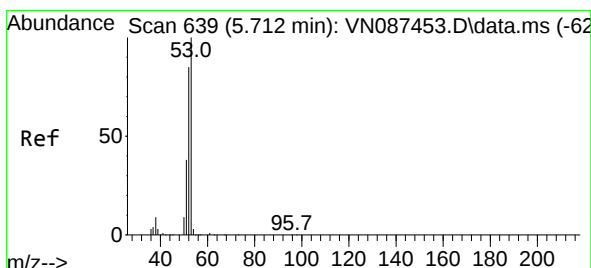
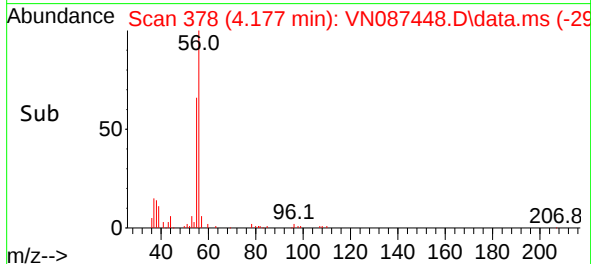
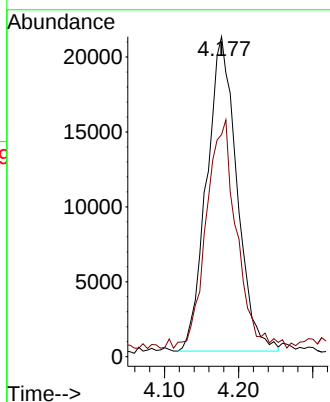
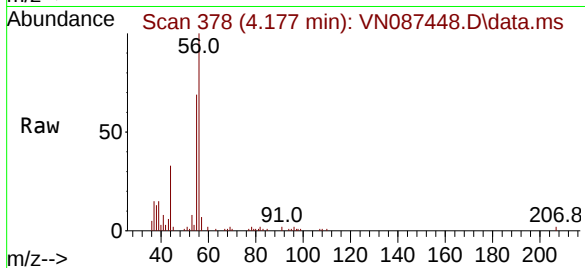




#13
Acrolein
Concen: 52.789 ug/l
RT: 4.177 min Scan# 377
Delta R.T. 0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

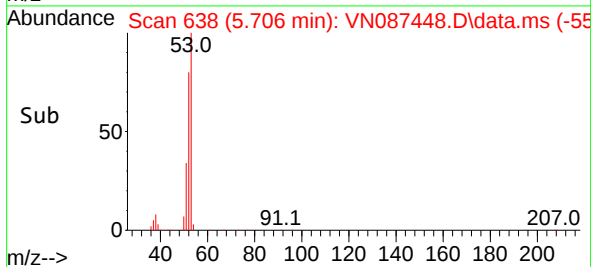
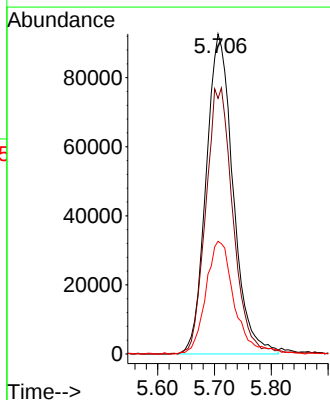
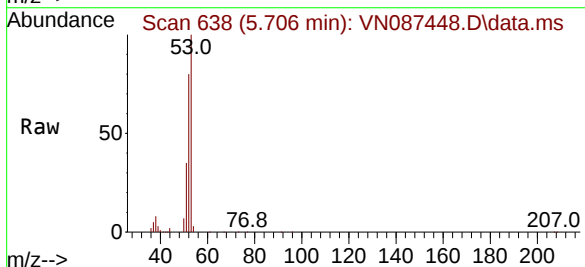
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

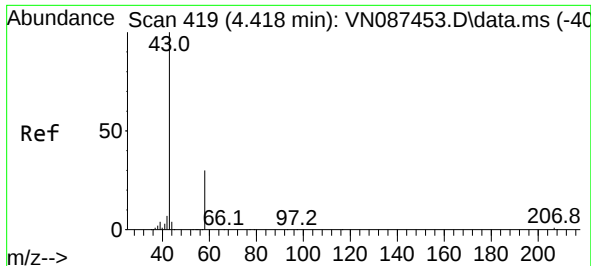
Tgt Ion: 56 Resp: 59454
Ion Ratio Lower Upper
56 100
55 73.4 57.4 86.0



#14
Acrylonitrile
Concen: 94.911 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 53 Resp: 305609
Ion Ratio Lower Upper
53 100
52 82.9 42.4 127.2
51 37.3 18.5 55.5

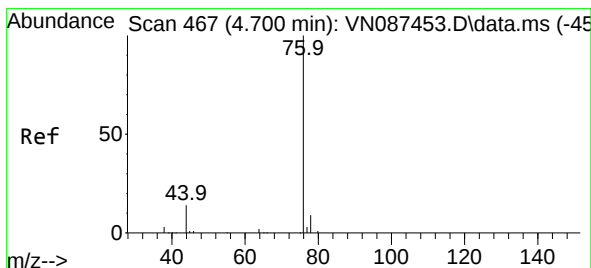
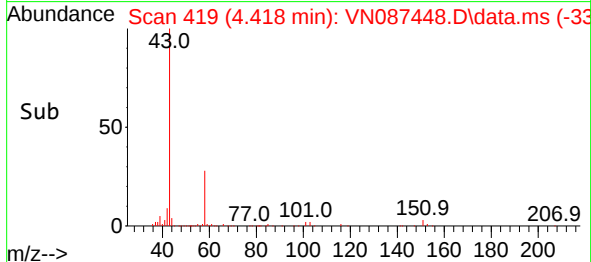
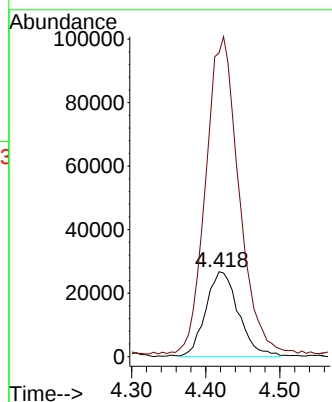
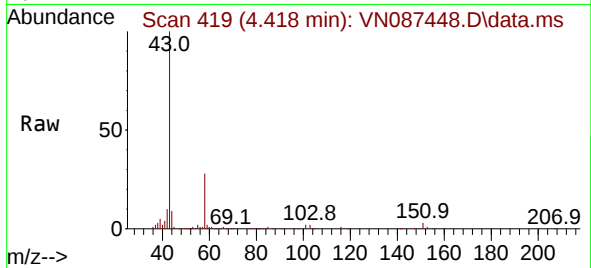




#15
Acetone
Concen: 89.482 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

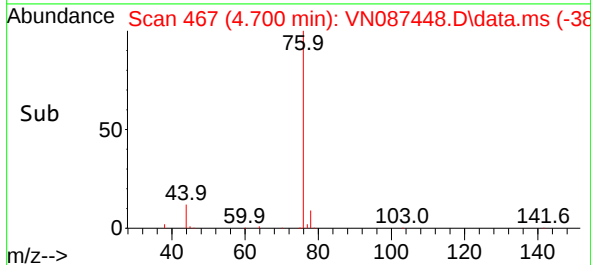
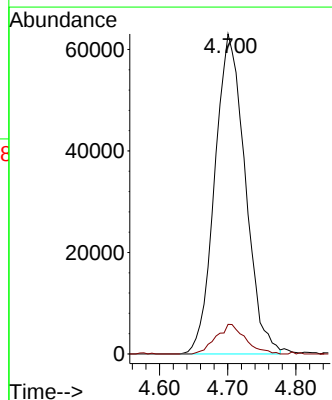
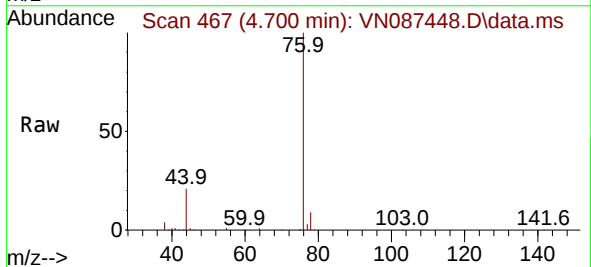
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

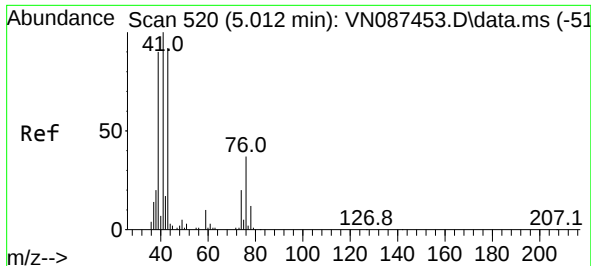
Tgt Ion: 58 Resp: 82325
Ion Ratio Lower Upper
58 100
43 351.9 268.9 403.3



#16
Carbon Disulfide
Concen: 15.776 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 76 Resp: 195551
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

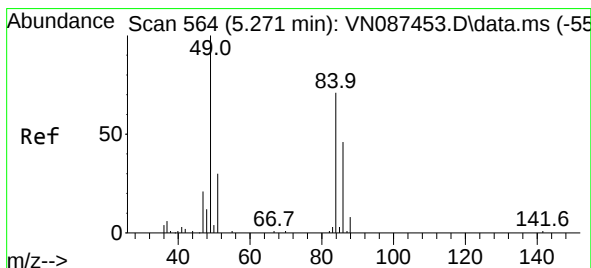
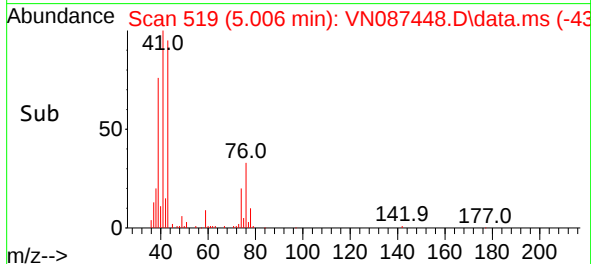
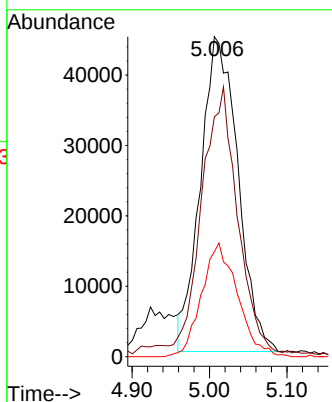
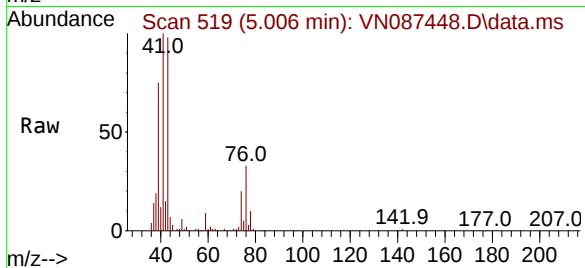




#17
Allyl chloride
Concen: 18.429 ug/l
RT: 5.006 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

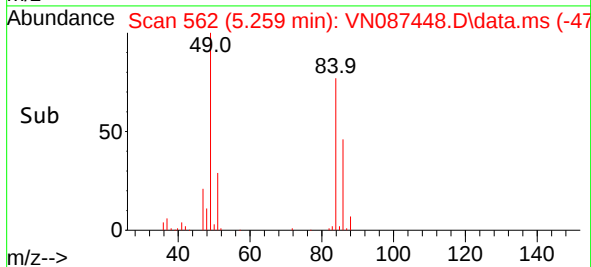
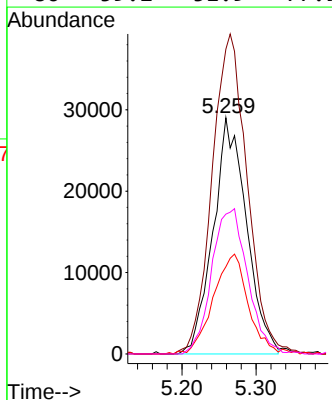
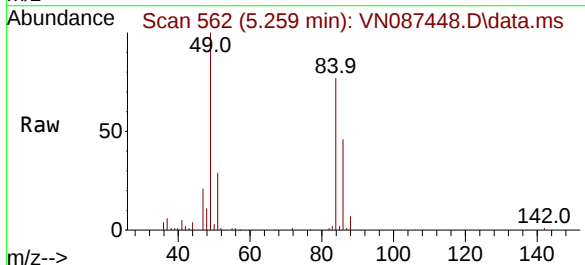
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

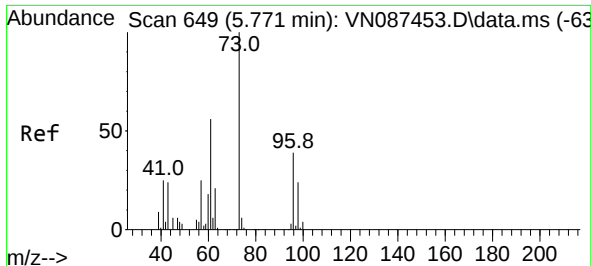
Tgt Ion: 41 Resp: 150096
Ion Ratio Lower Upper
41 100
39 74.6 42.4 127.2
76 32.7 16.9 50.6



#18
Methylene Chloride
Concen: 17.644 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.012 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 84 Resp: 90763
Ion Ratio Lower Upper
84 100
49 127.9 112.9 169.3
51 36.1 33.8 50.8
86 59.2 51.9 77.9

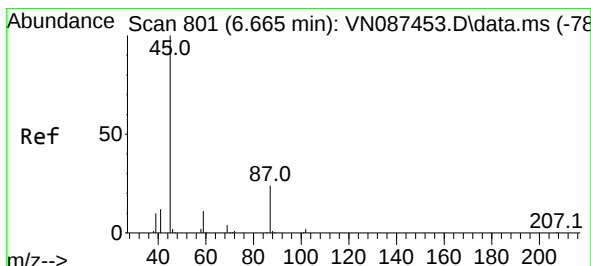
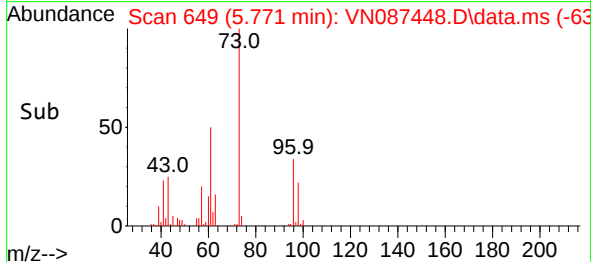
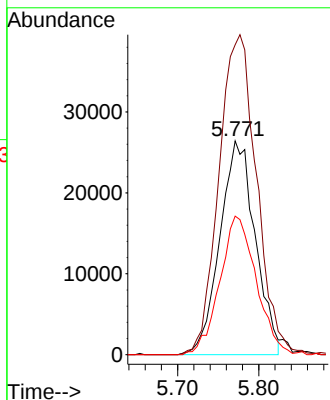
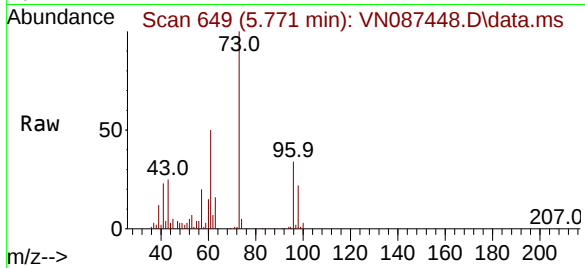




#19
trans-1,2-Dichloroethene
Concen: 16.827 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

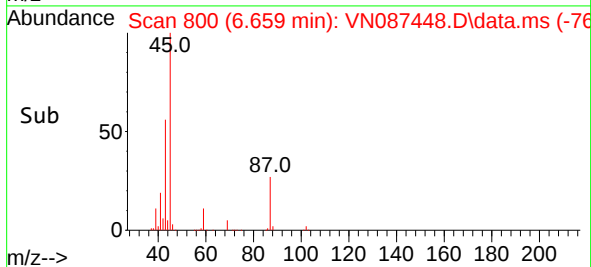
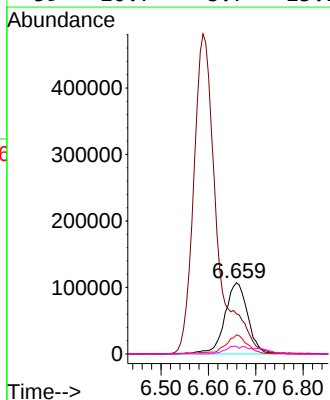
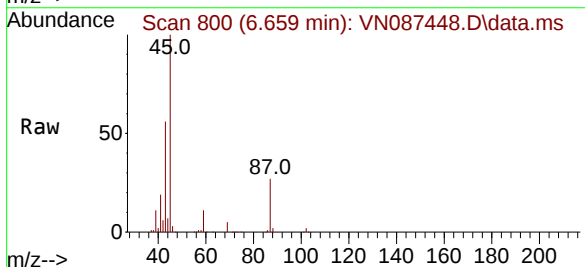
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

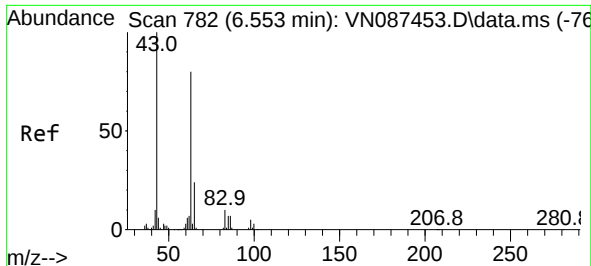
Tgt Ion: 96 Resp: 79957
Ion Ratio Lower Upper
96 100
61 145.0 114.2 171.4
98 64.8 48.7 73.1



#20
Diisopropyl ether
Concen: 19.346 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 45 Resp: 358948
Ion Ratio Lower Upper
45 100
43 54.7 44.7 67.1
87 26.3 20.2 30.2
59 10.7 8.7 13.1





#21

1,1-Dichloroethane

Concen: 18.931 ug/l

RT: 6.547 min Scan# 71

Delta R.T. -0.006 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

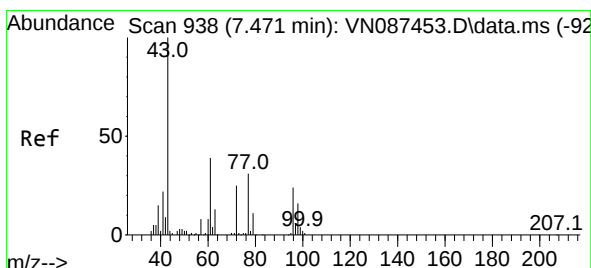
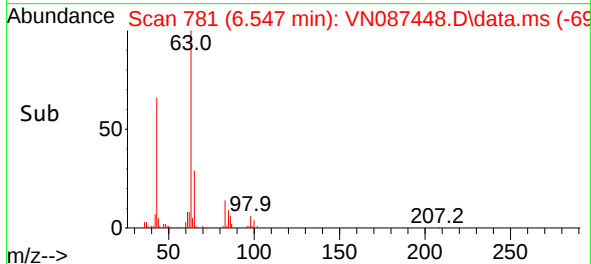
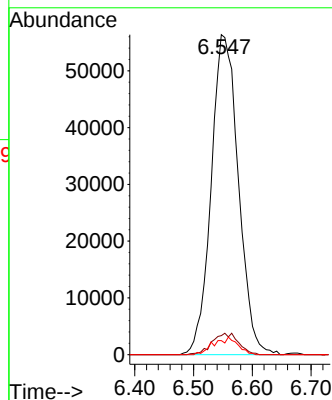
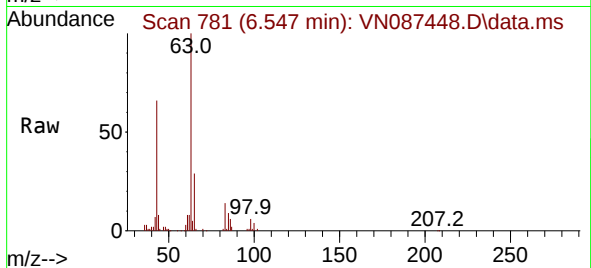
Tgt Ion: 63 Resp: 181562

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 4.4 1.9 5.7



#22

cis-1,2-Dichloroethene

Concen: 18.304 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

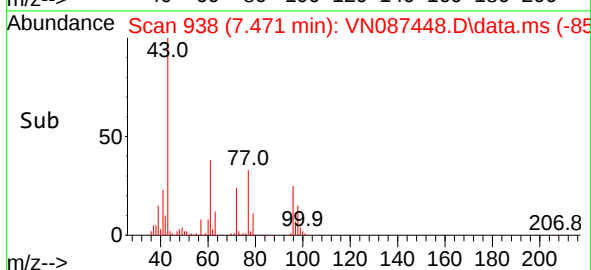
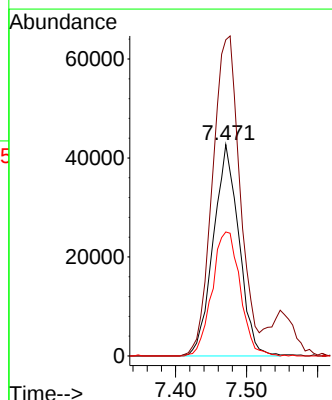
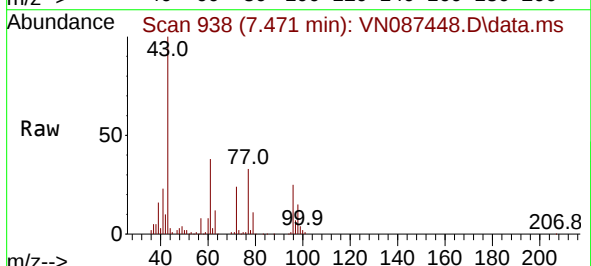
Tgt Ion: 96 Resp: 107016

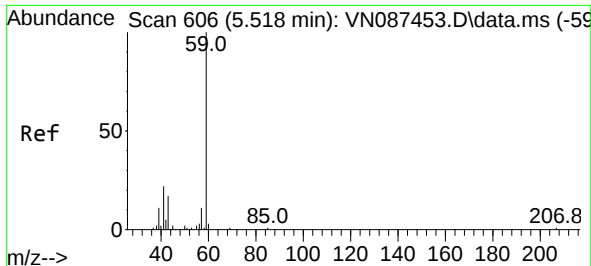
Ion Ratio Lower Upper

96 100

61 162.1 126.6 190.0

98 64.2 50.9 76.3

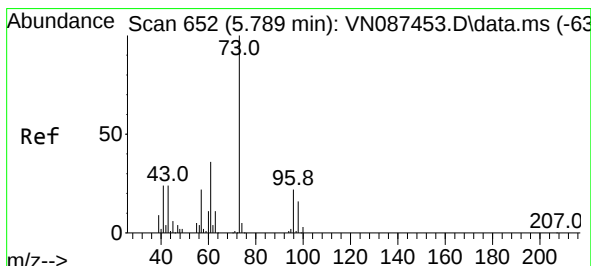
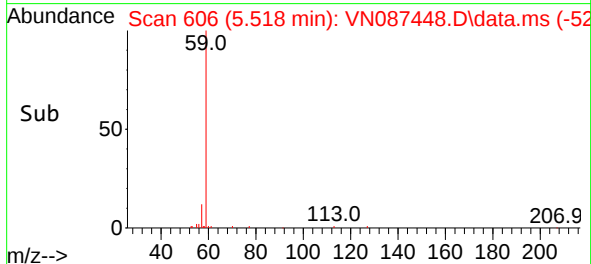
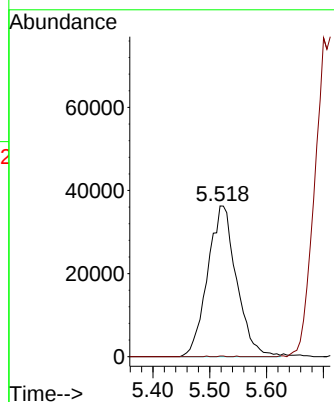
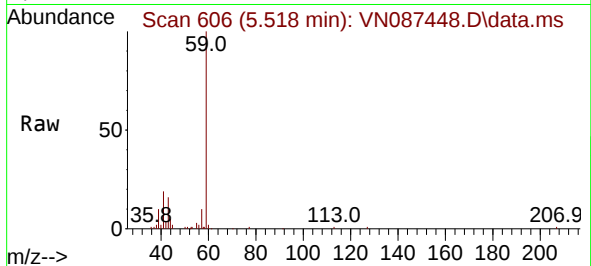




#23
tert-Butyl Alcohol
Concen: 93.974 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

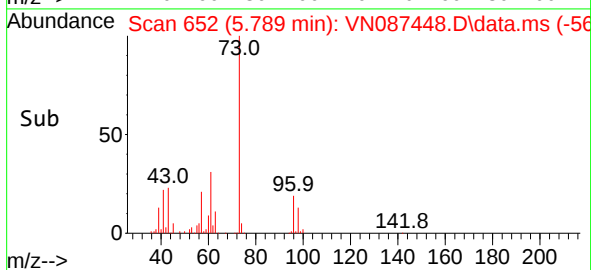
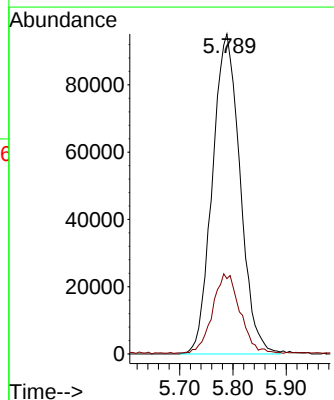
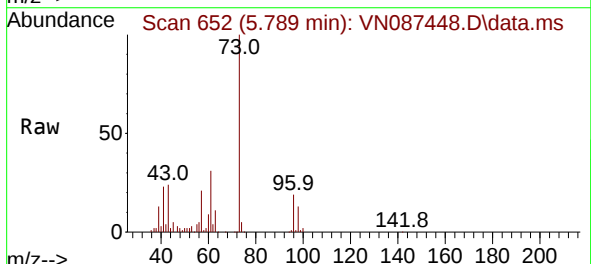
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

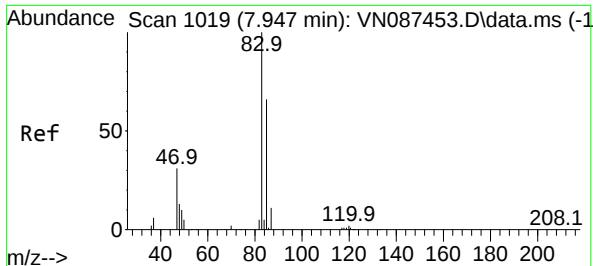
Tgt Ion: 59 Resp: 128579
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#



#24
Methyl tert-Butyl Ether
Concen: 18.866 ug/l
RT: 5.789 min Scan# 652
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 73 Resp: 343504
Ion Ratio Lower Upper
73 100
43 24.2 19.9 29.9





#25

Chloroform

Concen: 19.047 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

Instrument :

MSVOA_N

ClientSampleId :

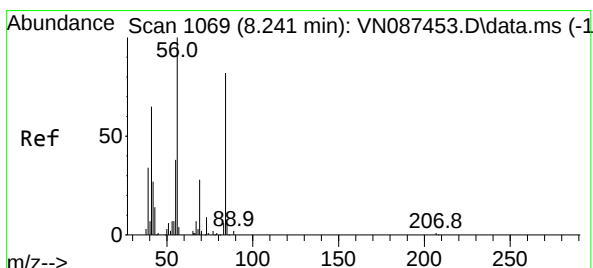
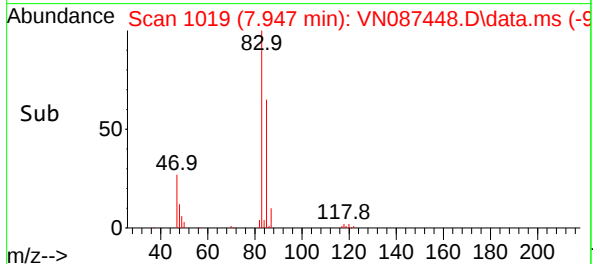
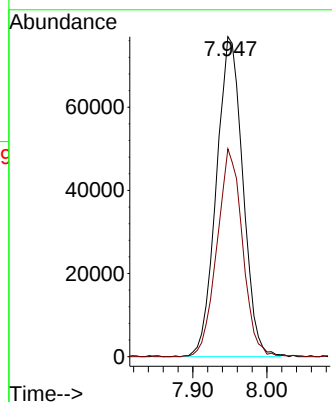
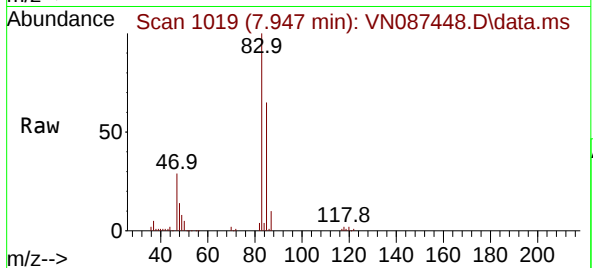
VSTDCCC020

Tgt Ion: 83 Resp: 190681

Ion Ratio Lower Upper

83 100

85 64.9 52.6 78.8



#26

Cyclohexane

Concen: 17.582 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

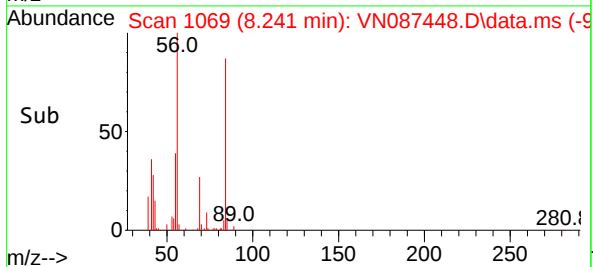
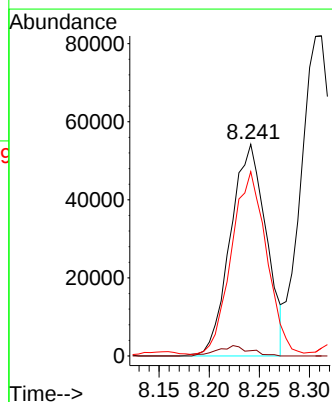
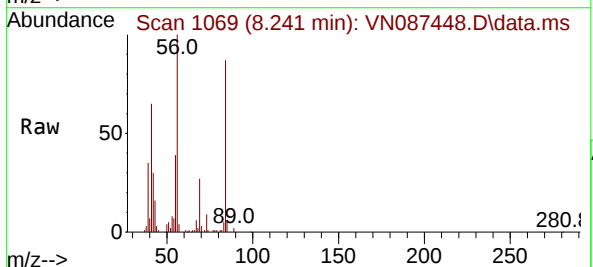
Tgt Ion: 56 Resp: 135009

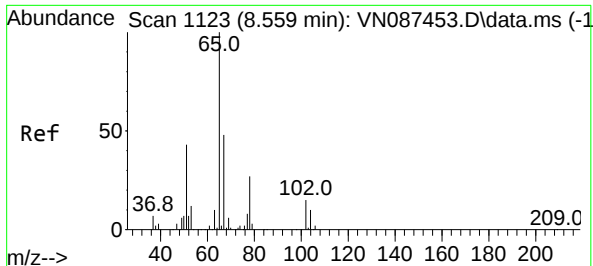
Ion Ratio Lower Upper

56 100

89 0.9 2.3 3.5

84 86.3 67.0 100.4





#27

1,2-Dichloroethane-d4

Concen: 30.505 ug/l

RT: 8.565 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

Instrument :

MSVOA_N

ClientSampleId :

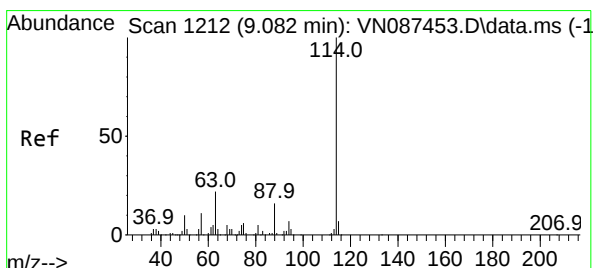
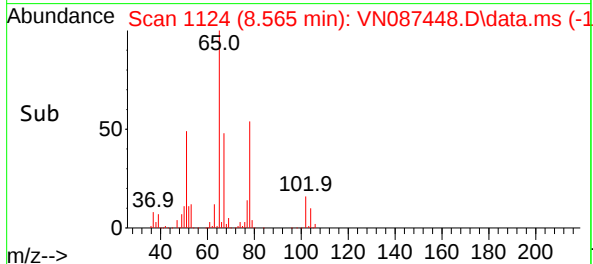
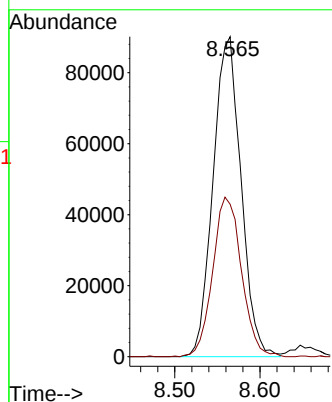
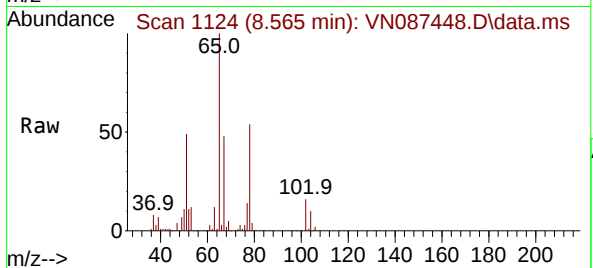
VSTDCCC020

Tgt Ion: 65 Resp: 205279

Ion Ratio Lower Upper

65 100

67 51.3 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

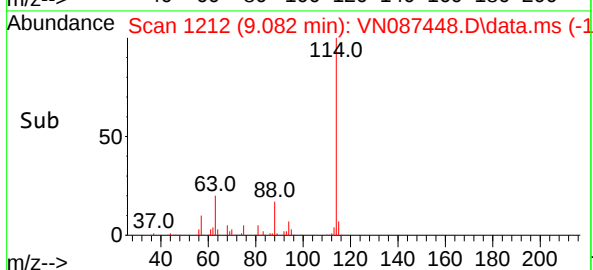
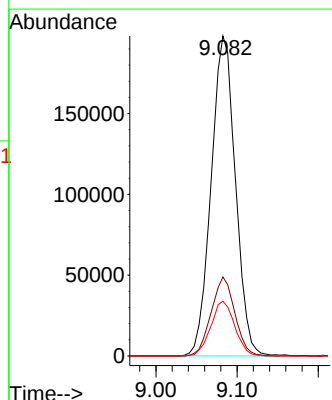
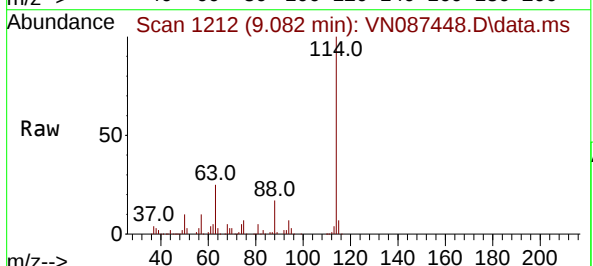
Tgt Ion: 114 Resp: 411702

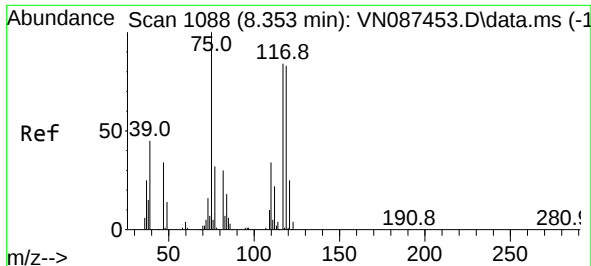
Ion Ratio Lower Upper

114 100

63 24.0 18.9 28.3

88 16.8 13.1 19.7

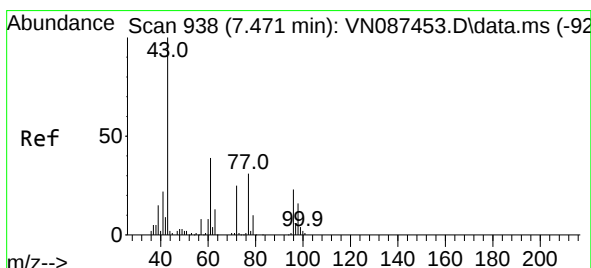
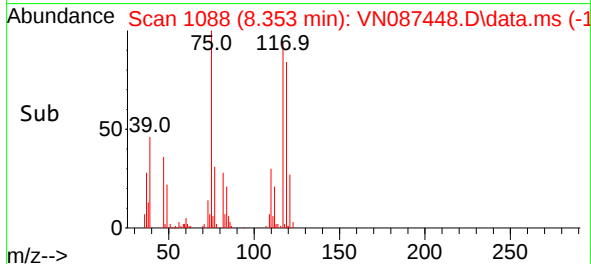
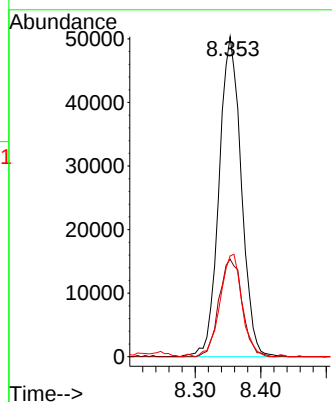
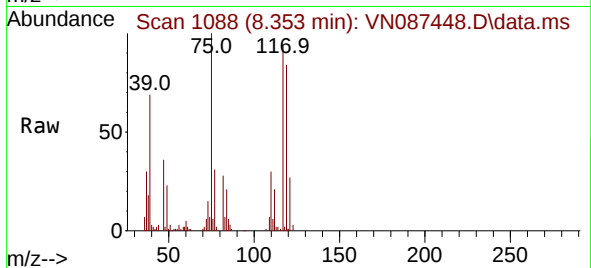




#29
1,1-Dichloropropene
Concen: 17.623 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

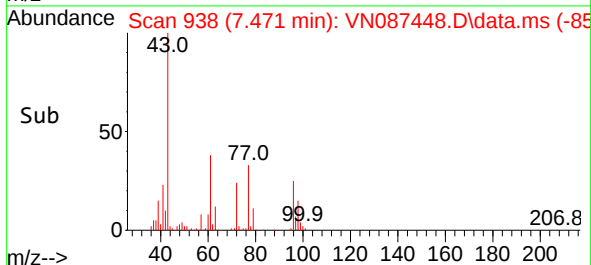
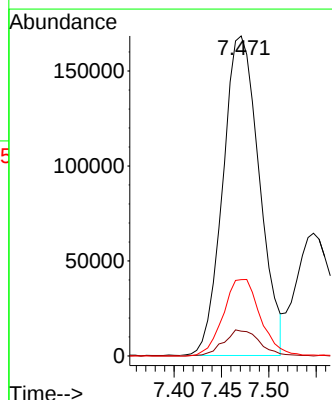
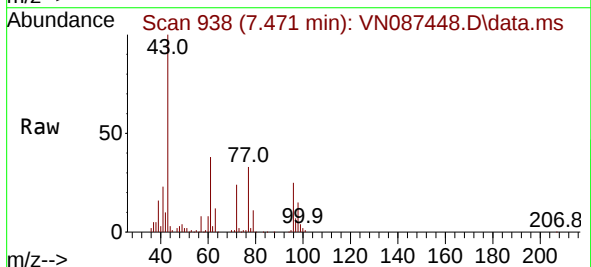
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

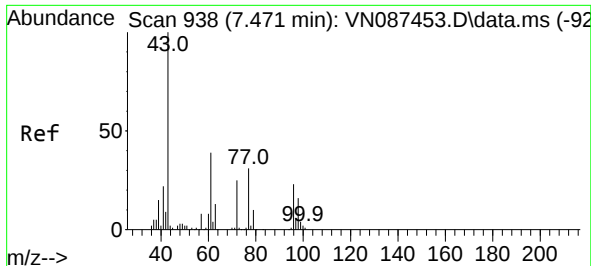
Tgt Ion: 75 Resp: 118339
Ion Ratio Lower Upper
75 100
110 31.9 0.0 65.8
77 31.5 0.0 63.6



#30
2-Butanone
Concen: 91.188 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 43 Resp: 451349
Ion Ratio Lower Upper
43 100
57 8.0 6.6 9.8
72 24.4 19.7 29.5





#31

2,2-Dichloropropane

Concen: 19.136 ug/l

RT: 7.477 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

Instrument :

MSVOA_N

ClientSampleId :

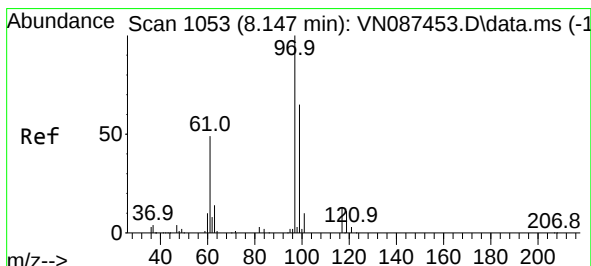
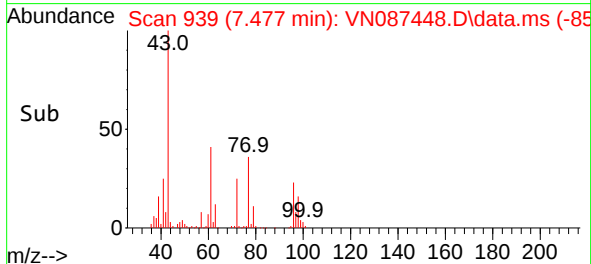
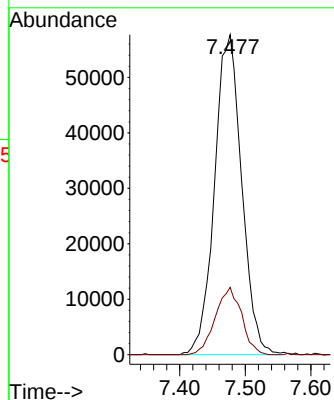
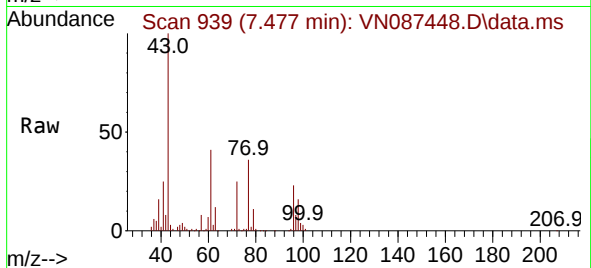
VSTDCCC020

Tgt Ion: 77 Resp: 165732

Ion Ratio Lower Upper

77 100

97 20.4 16.7 25.1



#32

1,1,1-Trichloroethane

Concen: 18.715 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

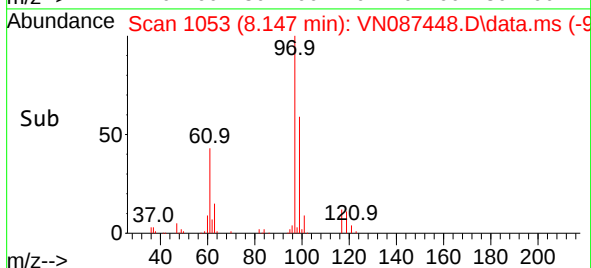
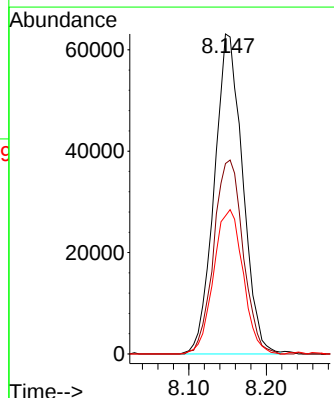
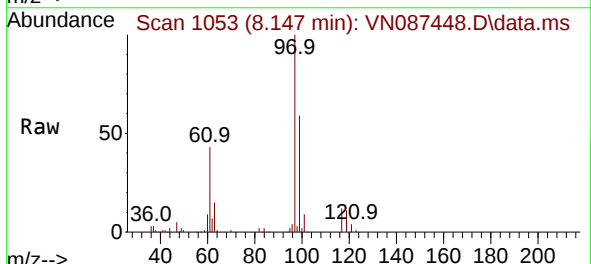
Tgt Ion: 97 Resp: 160281

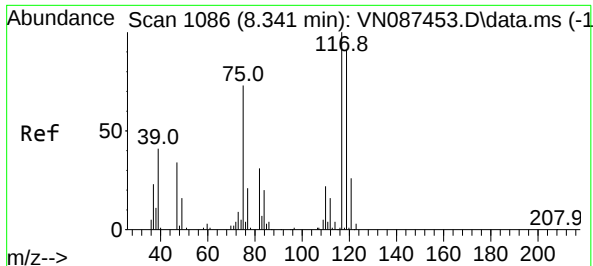
Ion Ratio Lower Upper

97 100

99 62.8 53.0 79.6

61 47.1 40.6 61.0

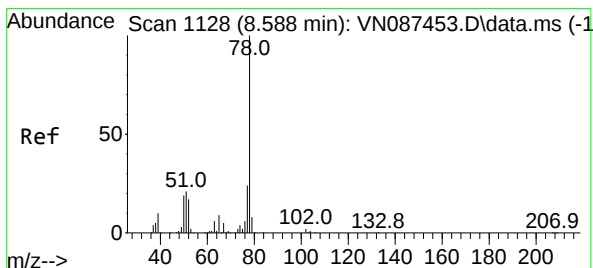
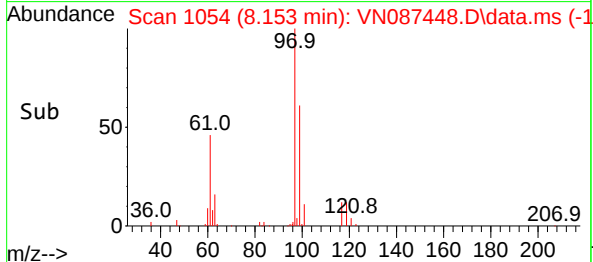
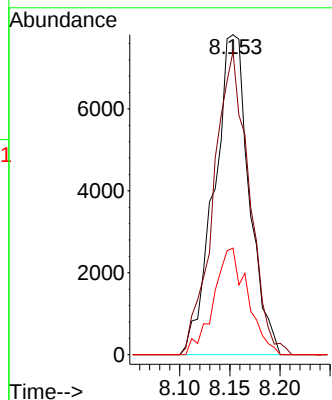
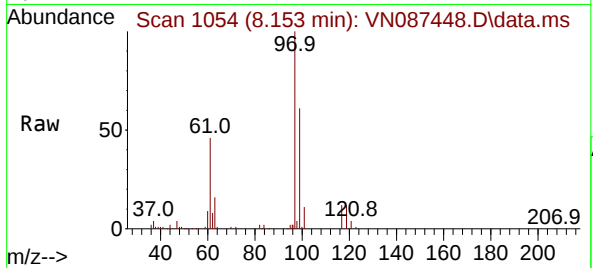




#33
Carbon Tetrachloride
Concen: 2.668 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.188 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

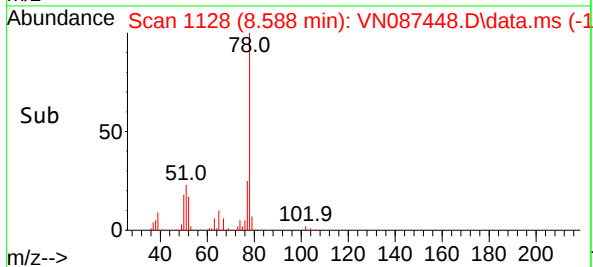
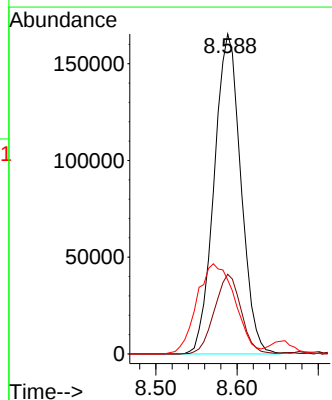
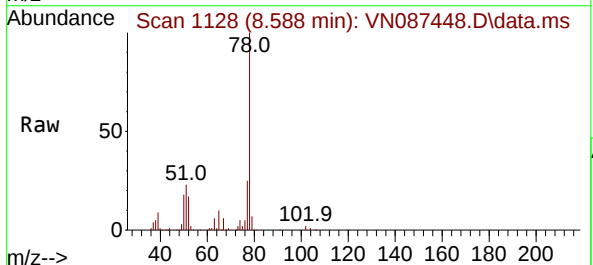
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

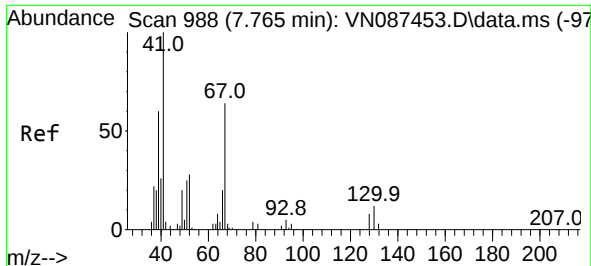
Tgt Ion:117 Resp: 18983
Ion Ratio Lower Upper
117 100
119 94.7 73.4 110.0
121 33.3 21.1 31.7#



#34
Benzene
Concen: 17.847 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 78 Resp: 378307
Ion Ratio Lower Upper
78 100
77 24.9 19.2 28.8
51 20.9 16.9 25.3

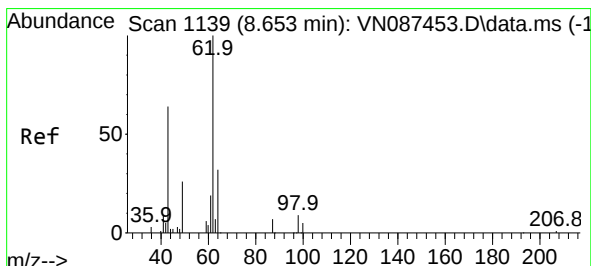
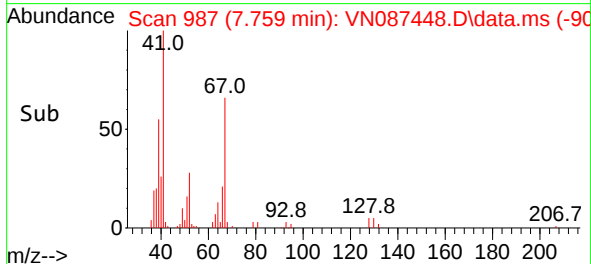
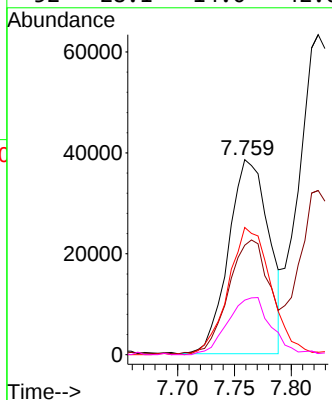
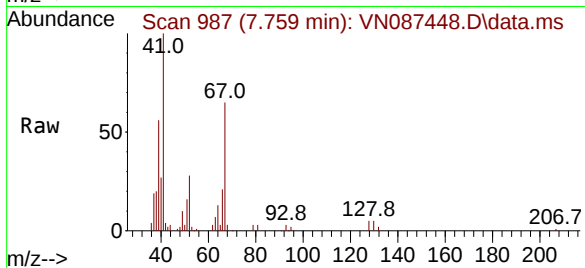




#35
Methacrylonitrile
Concen: 17.812 ug/l
RT: 7.759 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

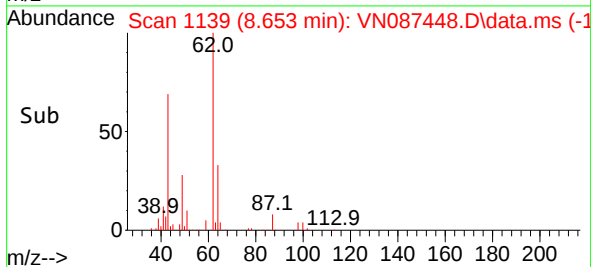
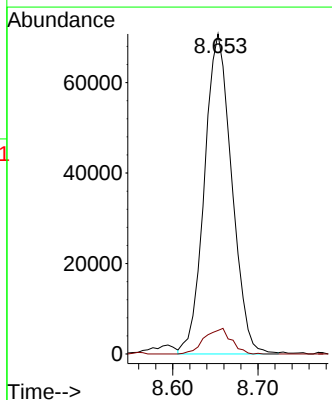
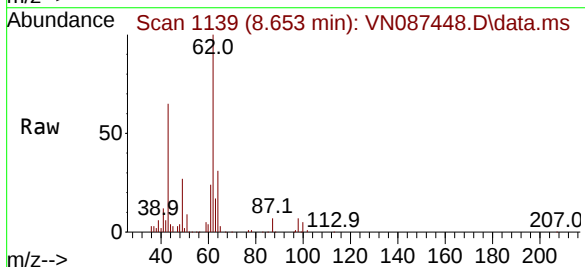
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

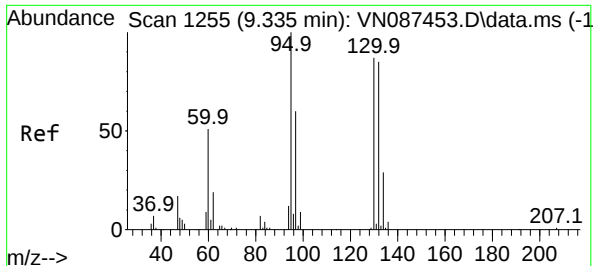
Tgt Ion:	41	Resp:	95137
Ion	Ratio	Lower	Upper
41	100		
39	56.0	30.1	90.5
67	65.0	32.0	96.2
52	28.1	14.0	42.0



#36
1,2-Dichloroethane
Concen: 18.402 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion:	62	Resp:	157652
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.6	9.8

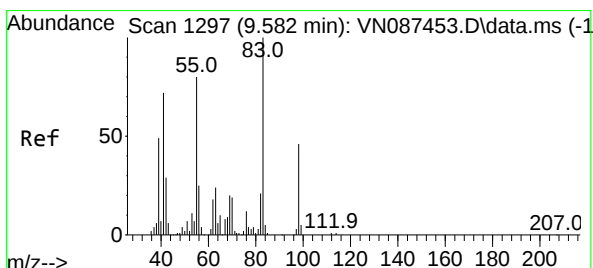
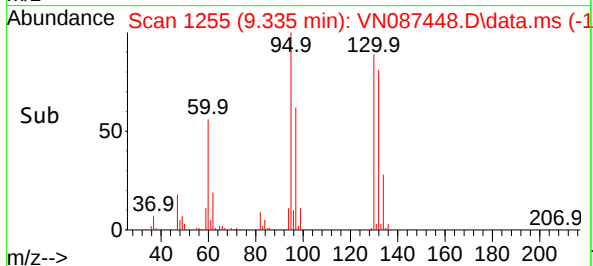
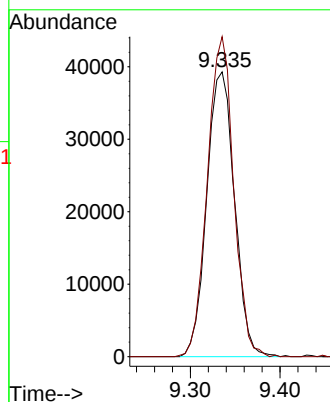
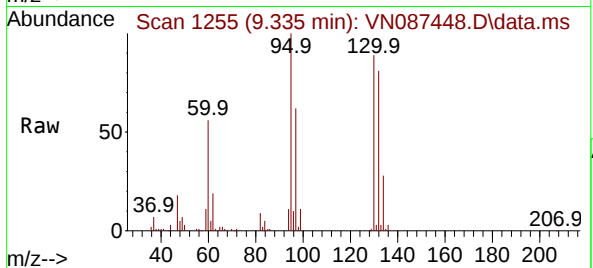




#37
Trichloroethene
Concen: 18.091 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

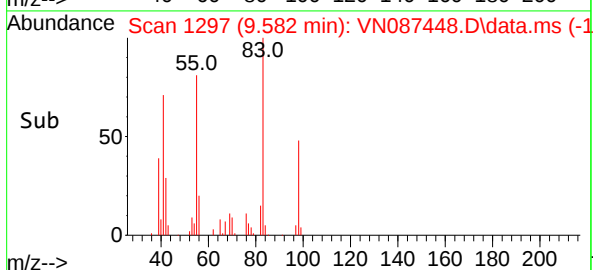
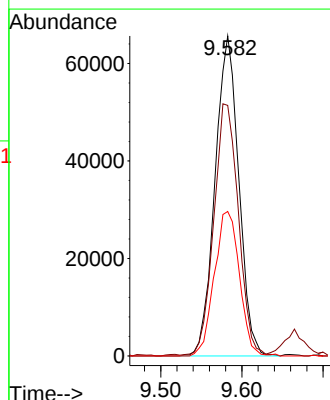
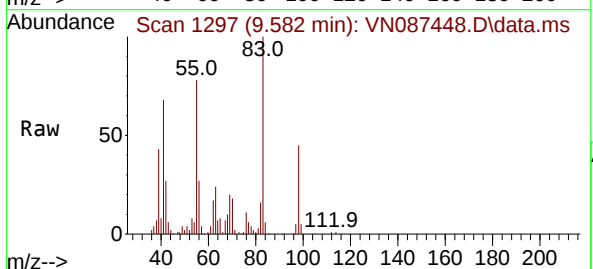
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

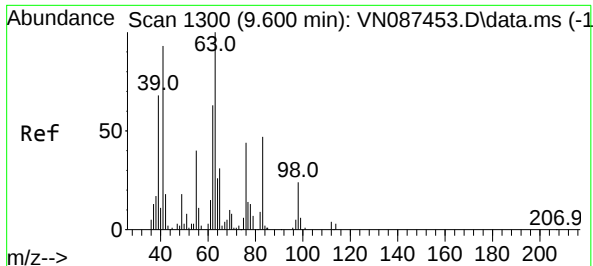
Tgt Ion:130 Resp: 84470
Ion Ratio Lower Upper
130 100
95 112.4 91.4 137.2



#38
Methylcyclohexane
Concen: 17.143 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 83 Resp: 133540
Ion Ratio Lower Upper
83 100
55 80.8 41.2 123.6
98 47.6 23.3 69.9





#39

1,2-Dichloropropane

Concen: 18.454 ug/l

RT: 9.600 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

Instrument :

MSVOA_N

ClientSampleId :

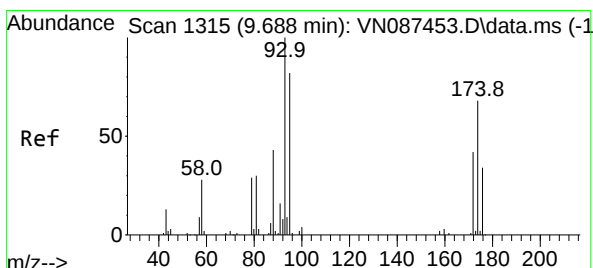
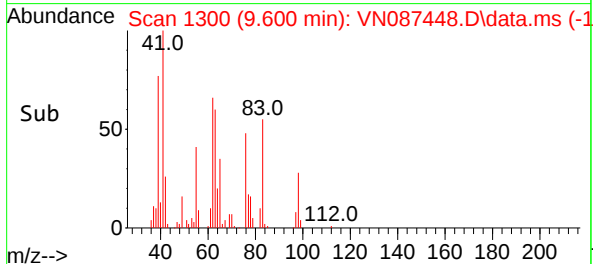
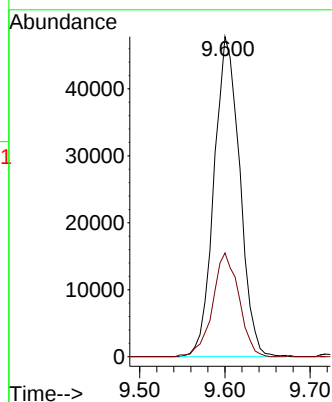
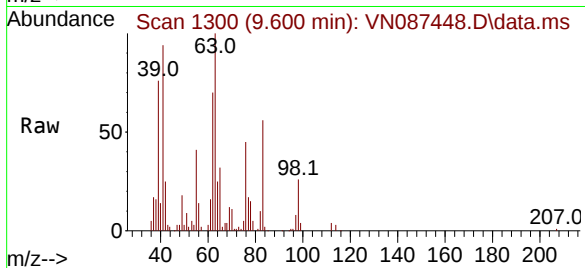
VSTDCCC020

Tgt Ion: 63 Resp: 100292

Ion Ratio Lower Upper

63 100

65 32.4 24.6 36.8



#40

Dibromomethane

Concen: 18.327 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

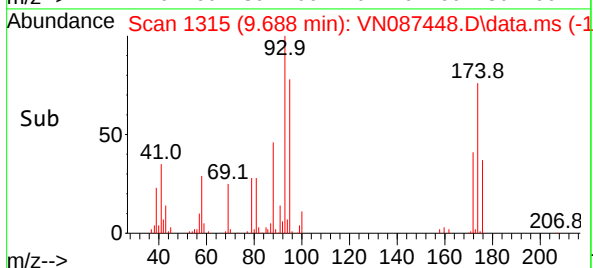
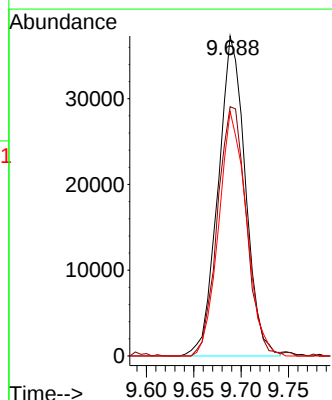
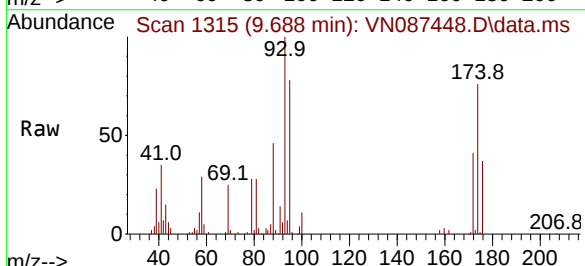
Tgt Ion: 93 Resp: 74729

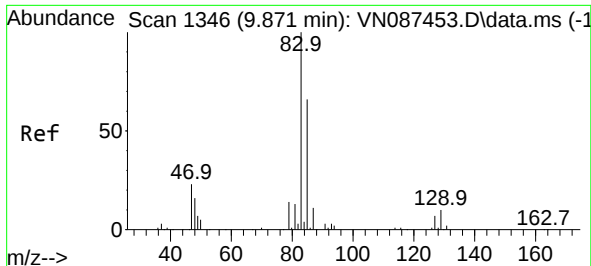
Ion Ratio Lower Upper

93 100

95 82.2 0.0 161.6

174 77.7 0.0 151.4

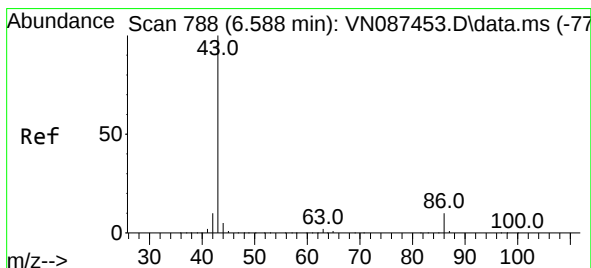
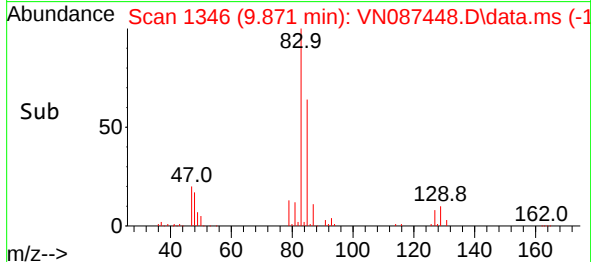
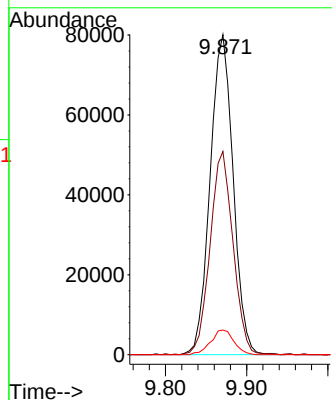
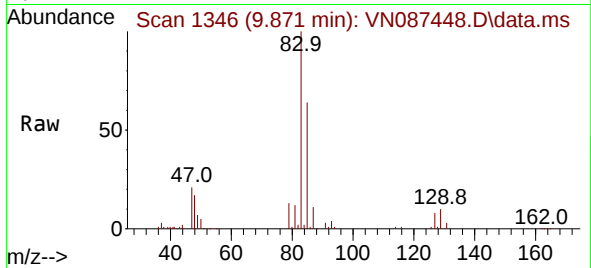




#41
Bromodichloromethane
Concen: 18.609 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

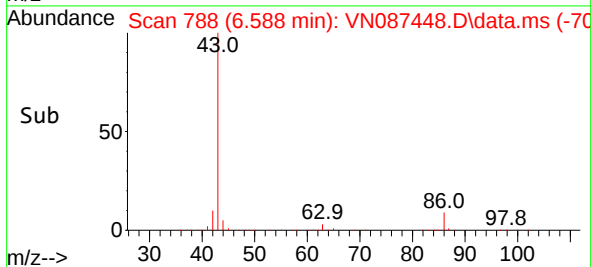
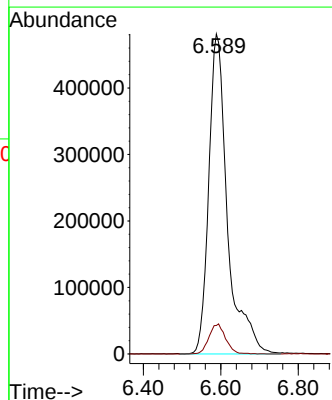
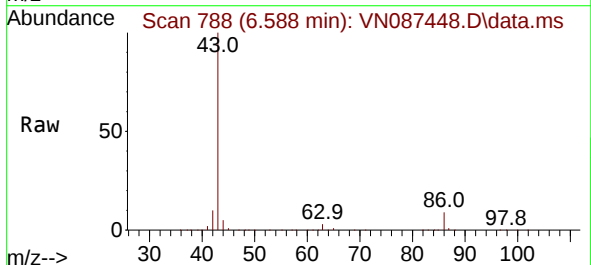
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

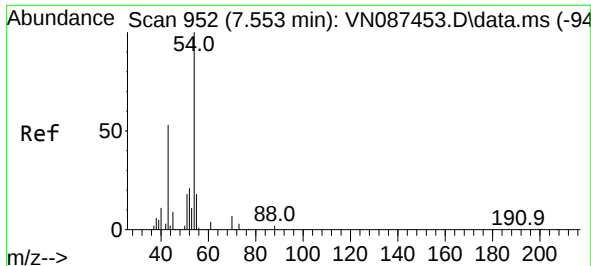
Tgt Ion: 83 Resp: 157676
Ion Ratio Lower Upper
83 100
85 63.5 52.9 79.3
127 7.7 5.8 8.6



#42
Vinyl Acetate
Concen: 99.014 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 43 Resp: 1613932
Ion Ratio Lower Upper
43 100
86 8.3 7.3 10.9

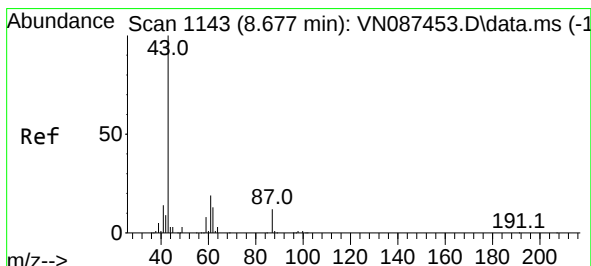
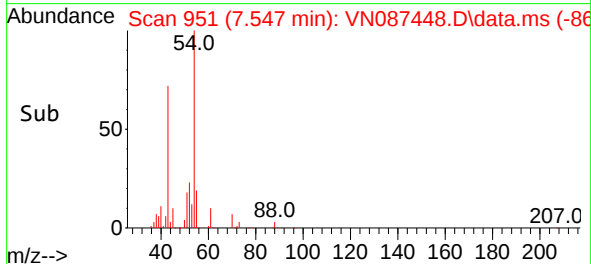
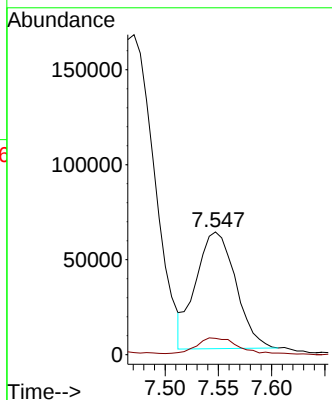
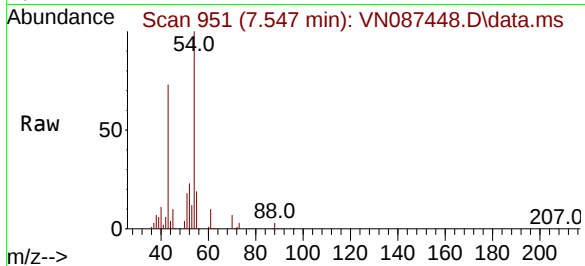




#43
Ethyl Acetate
Concen: 16.718 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

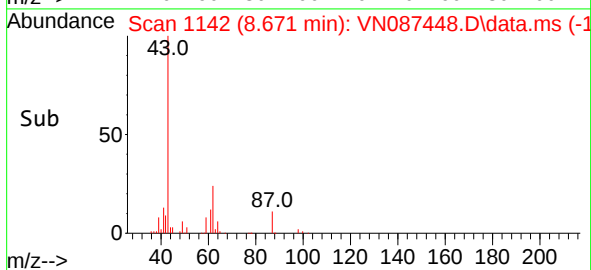
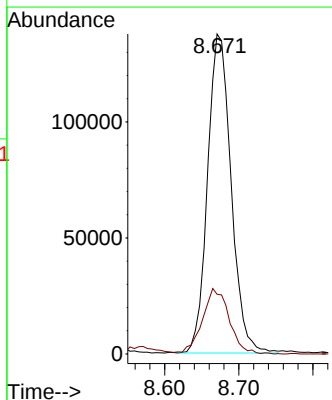
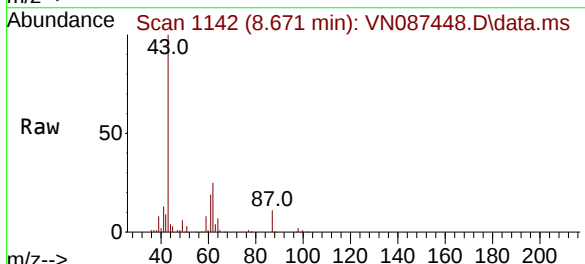
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

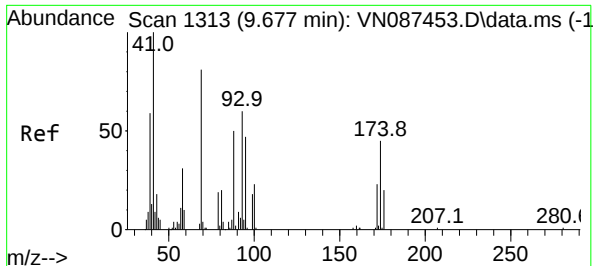
Tgt Ion: 43 Resp: 159855
Ion Ratio Lower Upper
43 100
45 13.0 11.1 16.7



#44
Isopropyl Acetate
Concen: 18.730 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 43 Resp: 303599
Ion Ratio Lower Upper
43 100
61 23.1 18.6 28.0

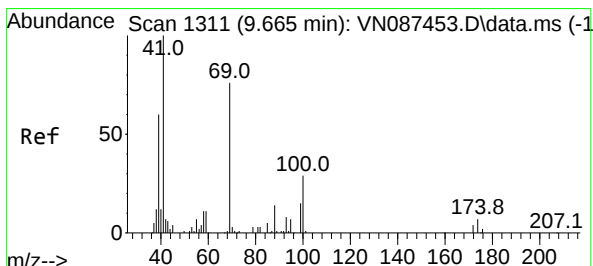
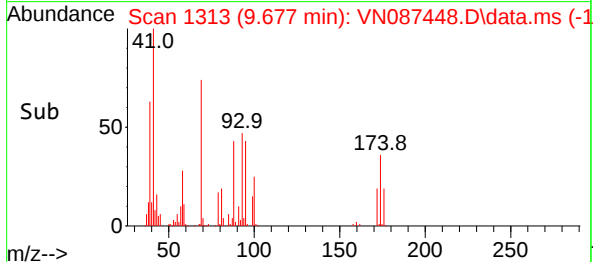
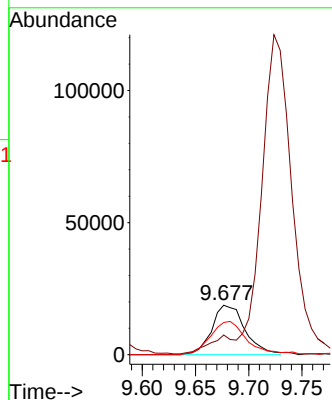
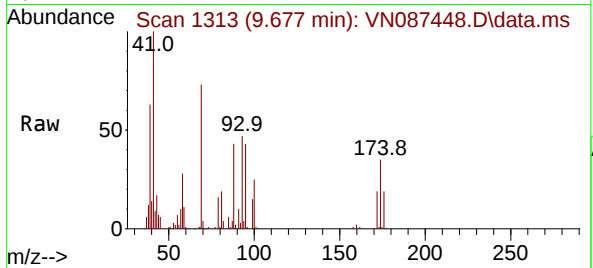




#45
1,4-Dioxane
Concen: 393.047 ug/l
RT: 9.677 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

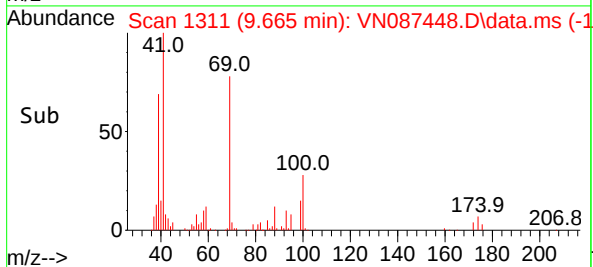
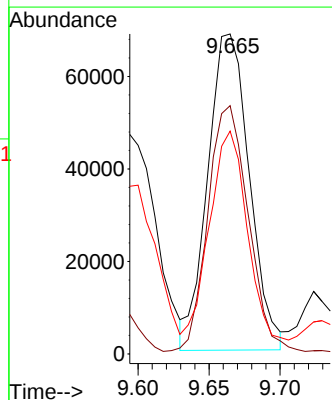
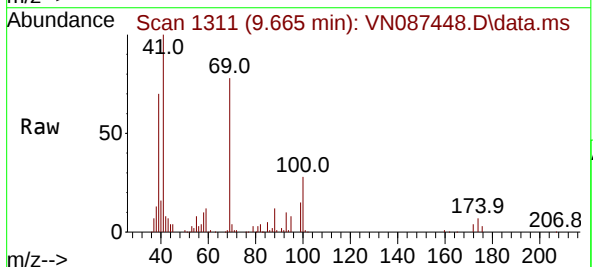
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

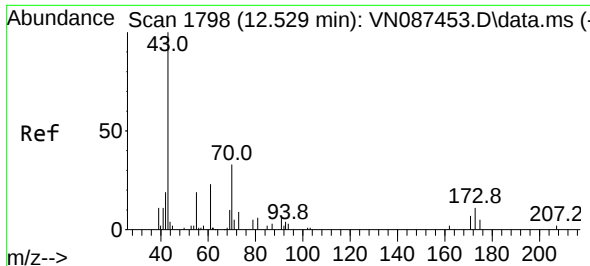
Tgt Ion: 88 Resp: 40614
Ion Ratio Lower Upper
88 100
43 29.3 24.1 36.1
58 72.4 57.2 85.8



#46
Methyl methacrylate
Concen: 18.220 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 41 Resp: 139402
Ion Ratio Lower Upper
41 100
69 81.3 37.1 111.5
39 69.3 30.7 92.1

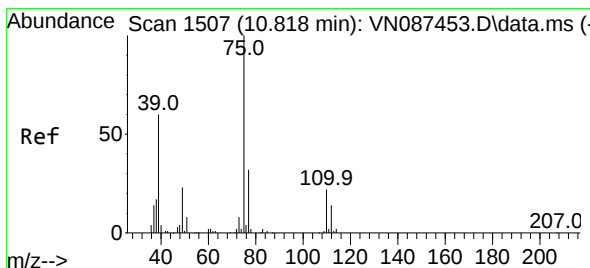
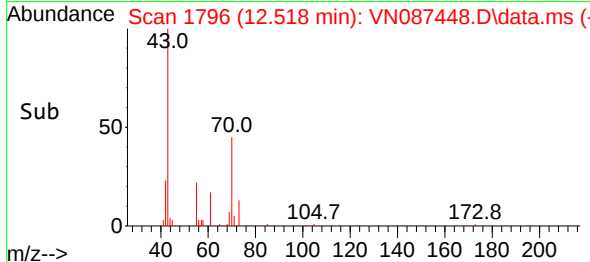
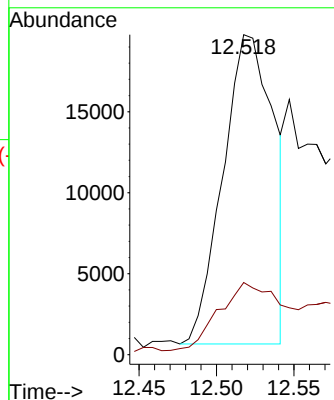
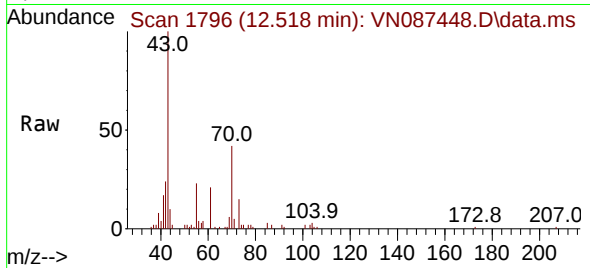




#47
n-amy1 Acetate
Concen: 4.873 ug/l
RT: 12.518 min Scan# 1796
Delta R.T. -0.012 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

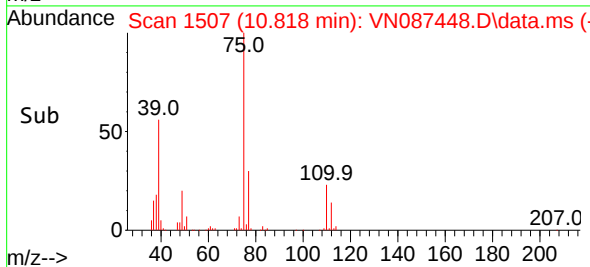
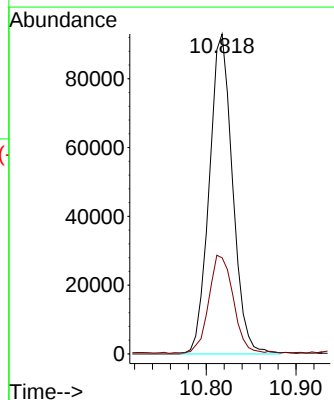
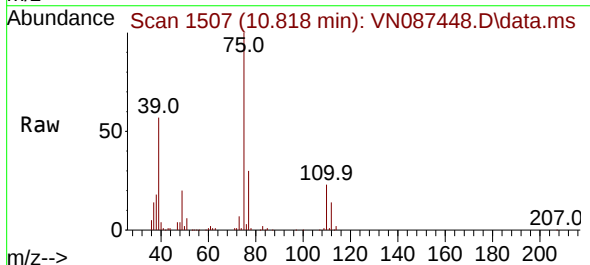
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

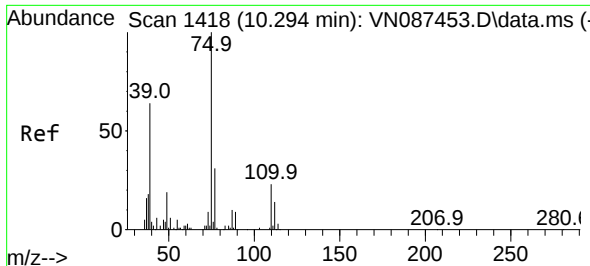
Tgt Ion: 43 Resp: 43630
Ion Ratio Lower Upper
43 100
55 28.0 4.6 6.8#



#48
t-1,3-Dichloropropene
Concen: 18.224 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 75 Resp: 167994
Ion Ratio Lower Upper
75 100
77 29.7 25.3 37.9

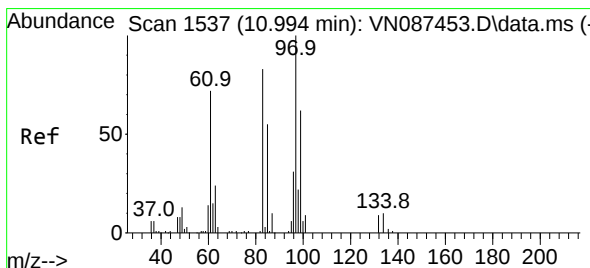
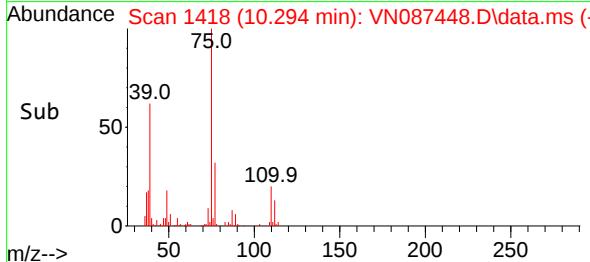
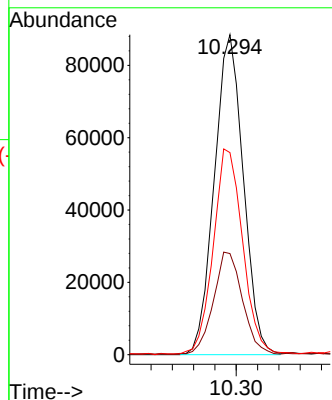
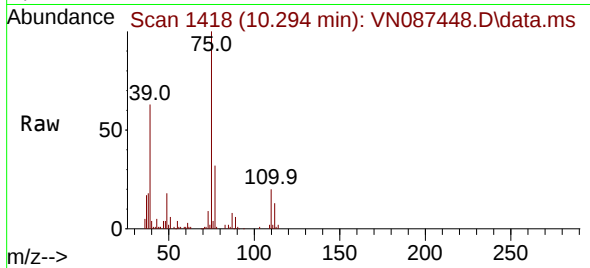




#49
 cis-1,3-Dichloropropene
 Concen: 18.043 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087448.D
 Acq: 05 Aug 2025 10:06

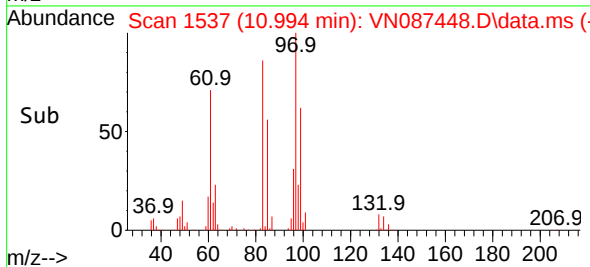
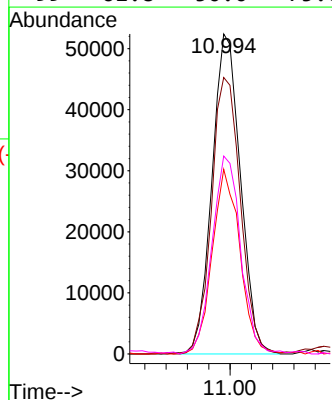
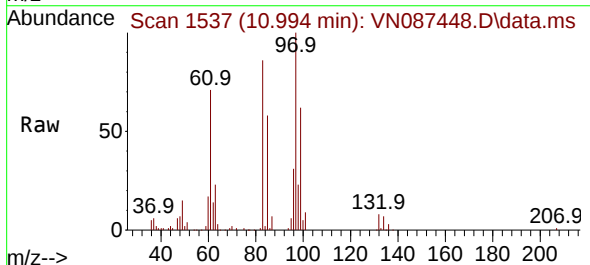
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

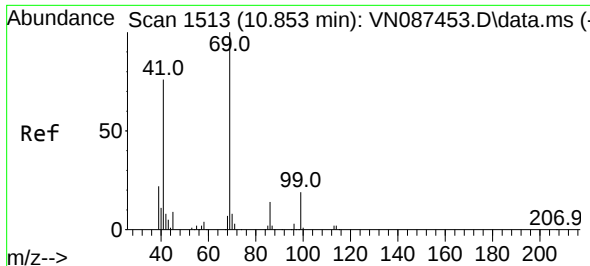
Tgt Ion: 75 Resp: 167382
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 36.8
 39 62.9 51.5 77.3



#50
 1,1,2-Trichloroethane
 Concen: 18.857 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. -0.000 min
 Lab File: VN087448.D
 Acq: 05 Aug 2025 10:06

Tgt Ion: 97 Resp: 97149
 Ion Ratio Lower Upper
 97 100
 83 86.4 66.2 99.2
 85 57.4 43.9 65.9
 99 61.8 50.0 75.0

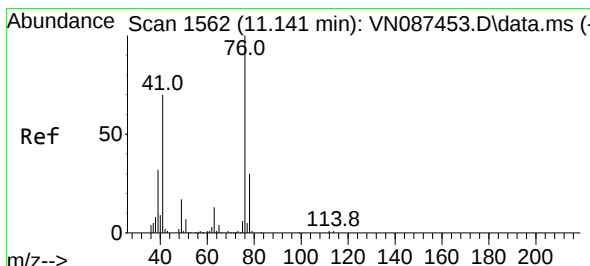
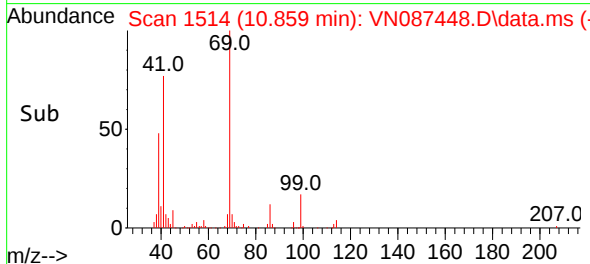
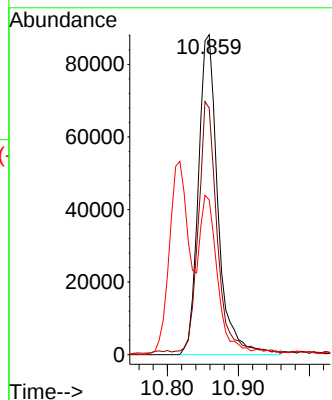
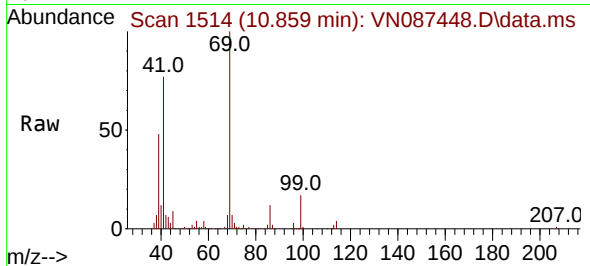




#51
Ethyl methacrylate
Concen: 18.704 ug/l
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

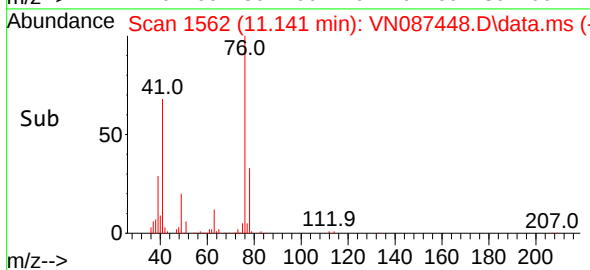
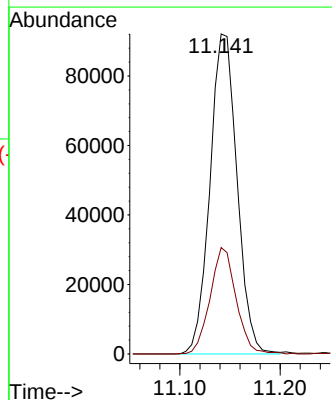
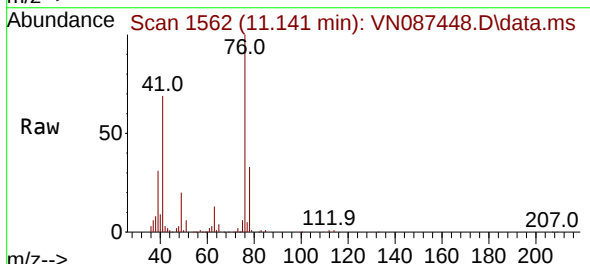
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

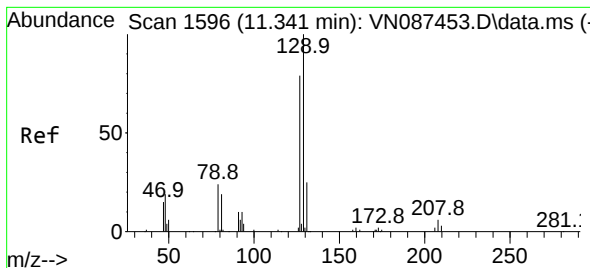
Tgt Ion: 69 Resp: 169707
Ion Ratio Lower Upper
69 100
41 76.0 38.0 114.1
39 48.0 23.2 69.5



#52
1,3-Dichloropropane
Concen: 18.631 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 76 Resp: 172929
Ion Ratio Lower Upper
76 100
78 31.8 0.0 63.0

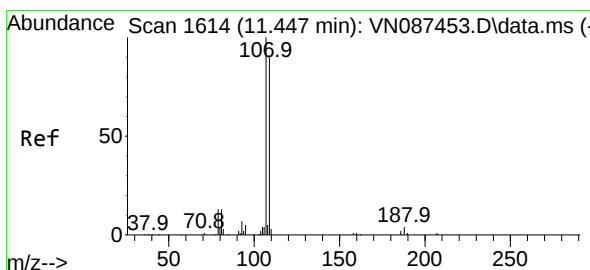
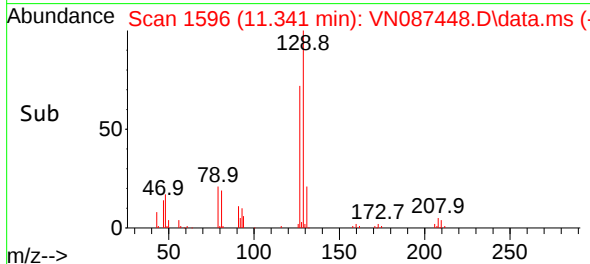
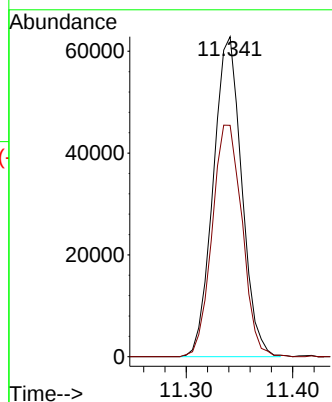
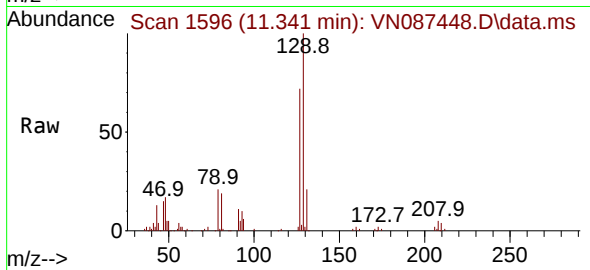




#53
Dibromochloromethane
Concen: 19.626 ug/l
RT: 11.341 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

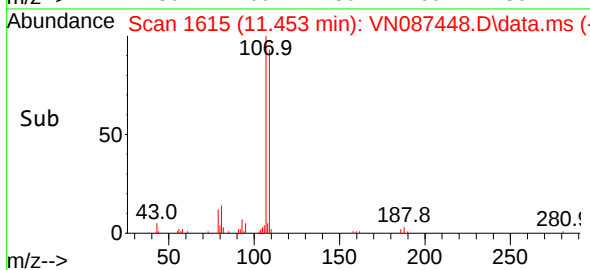
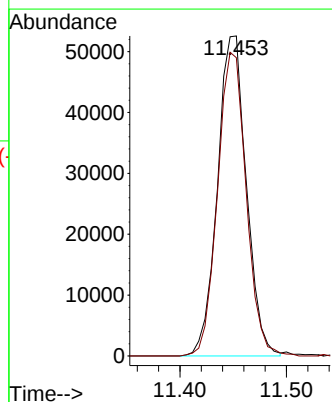
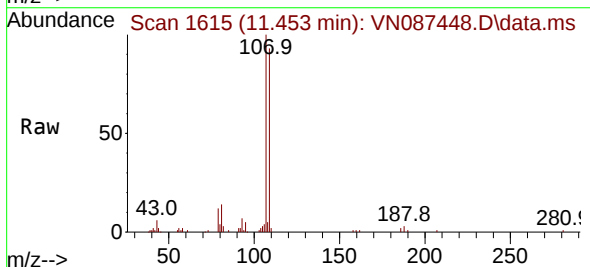
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

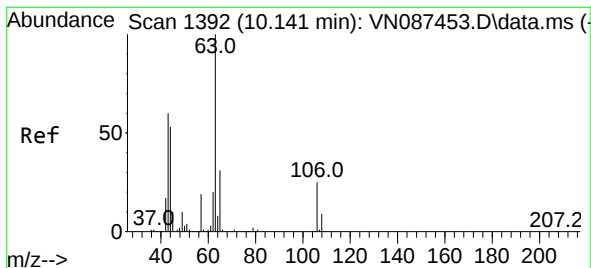
Tgt Ion:129 Resp: 116772
Ion Ratio Lower Upper
129 100
127 75.8 39.1 117.3



#54
1,2-Dibromoethane
Concen: 18.140 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion:107 Resp: 99207
Ion Ratio Lower Upper
107 100
109 93.7 74.2 111.4

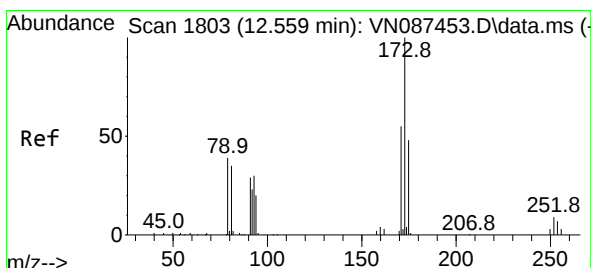
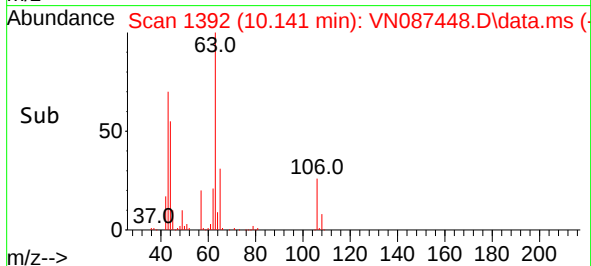
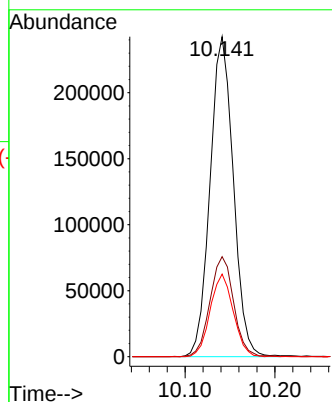
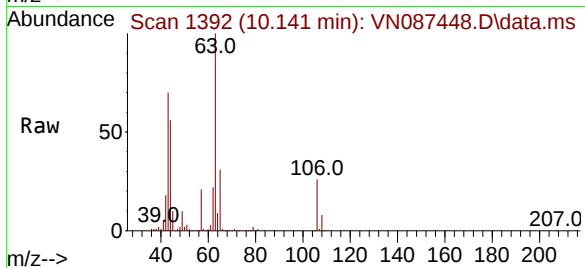




#55
2-Chloroethyl vinyl ether
Concen: 91.437 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

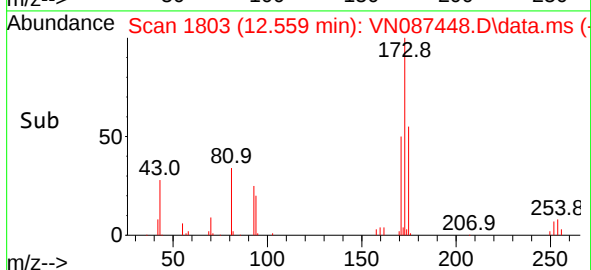
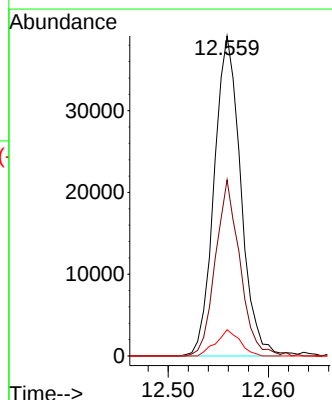
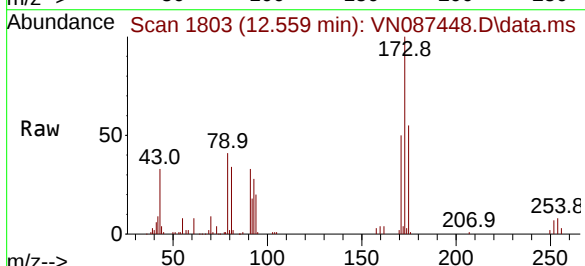
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

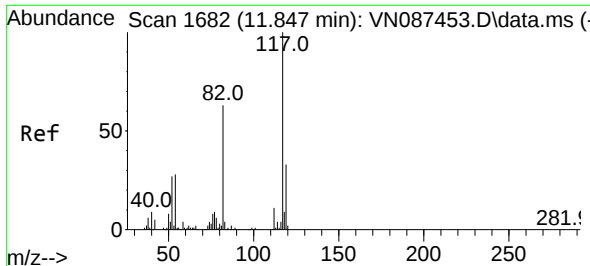
Tgt Ion: 63 Resp: 436746
Ion Ratio Lower Upper
63 100
65 31.7 25.7 38.5
106 25.5 20.7 31.1



#56
Bromoform
Concen: 18.277 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 173 Resp: 71928
Ion Ratio Lower Upper
173 100
175 50.7 38.8 58.2
254 7.4 3.9 5.9

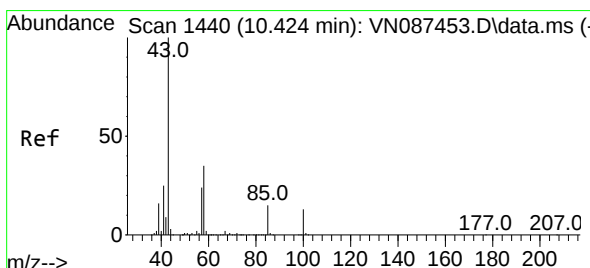
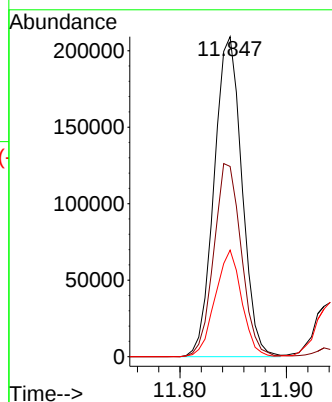
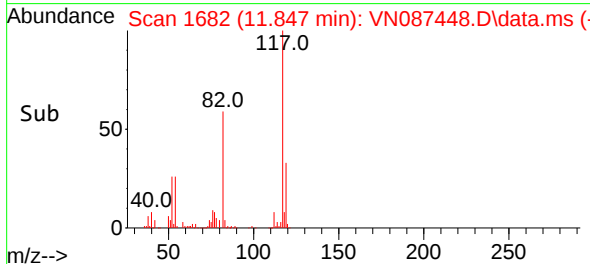
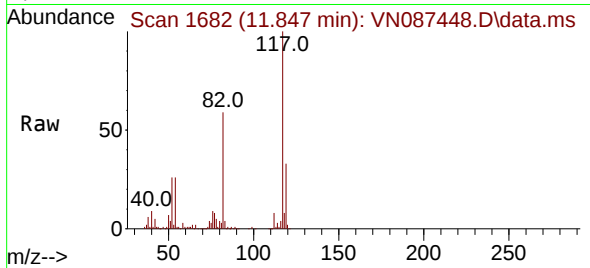




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

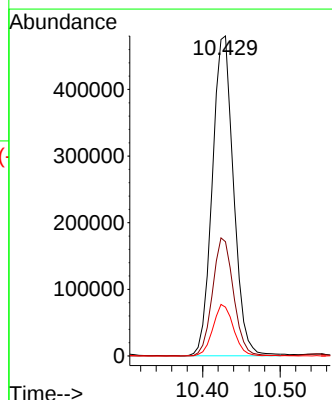
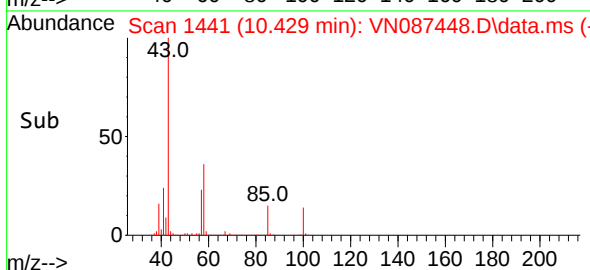
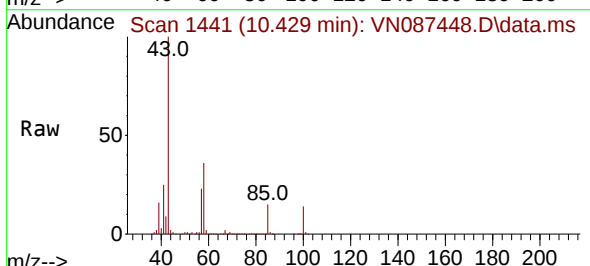
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

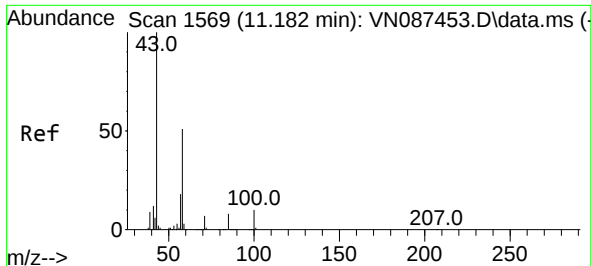
Tgt Ion:117 Resp: 378620
Ion Ratio Lower Upper
117 100
82 59.8 49.2 73.8
119 31.8 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 93.703 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 43 Resp: 912659
Ion Ratio Lower Upper
43 100
58 36.6 29.0 43.6
85 15.6 12.7 19.1

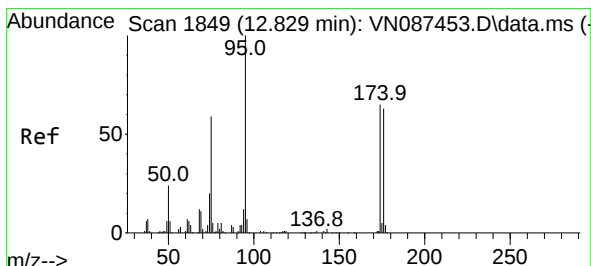
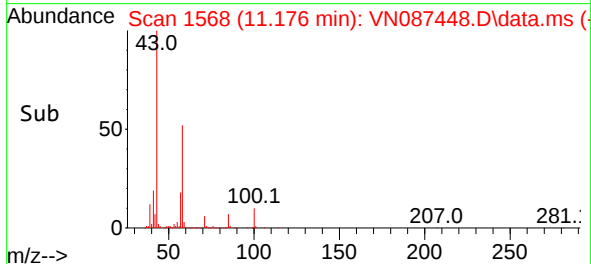
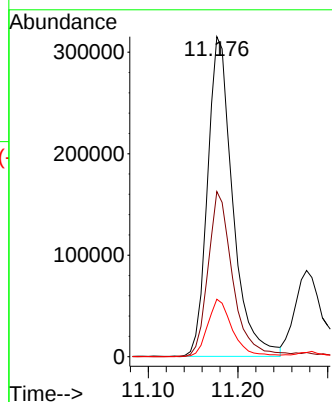
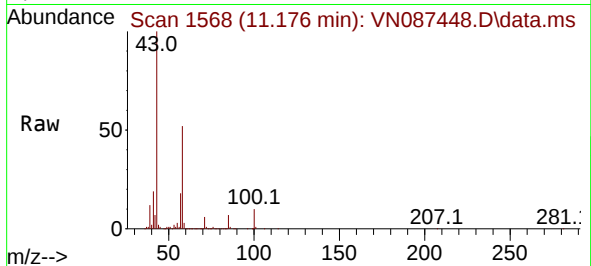




#59
2-Hexanone
Concen: 92.821 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

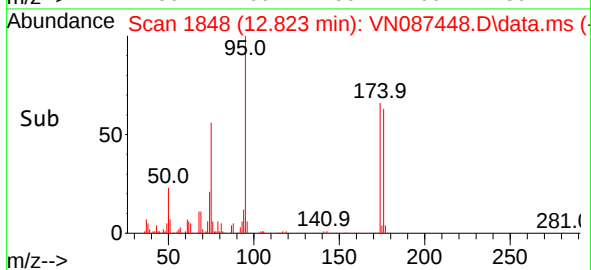
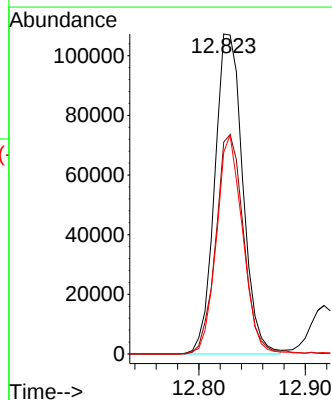
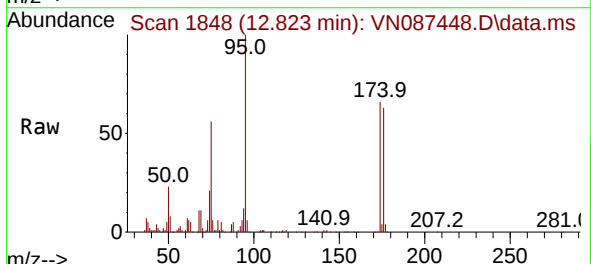
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

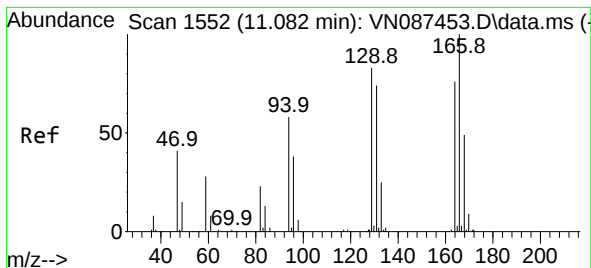
Tgt Ion: 43 Resp: 614267
Ion Ratio Lower Upper
43 100
58 50.6 41.0 61.6
57 17.7 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 30.032 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 95 Resp: 195685
Ion Ratio Lower Upper
95 100
174 67.6 52.3 78.5
176 63.9 49.8 74.8





#61

Tetrachloroethene

Concen: 17.770 ug/l

RT: 11.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:164 Resp: 65549

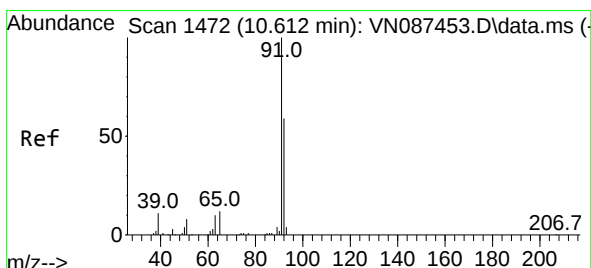
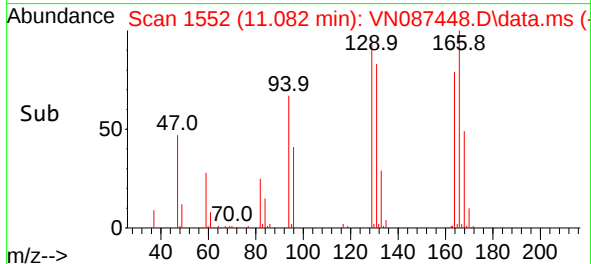
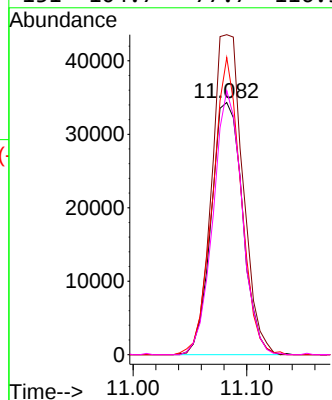
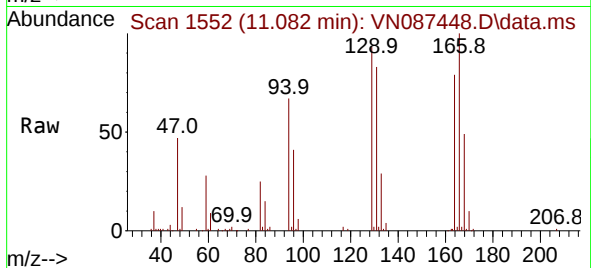
Ion Ratio Lower Upper

164 100

166 126.9 105.4 158.0

129 117.0 87.7 131.5

131 104.7 77.7 116.5



#62

Toluene

Concen: 17.743 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. 0.000 min

Lab File: VN087448.D

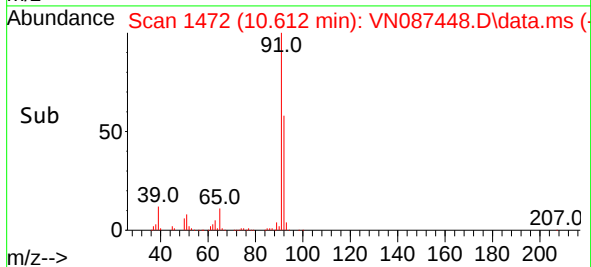
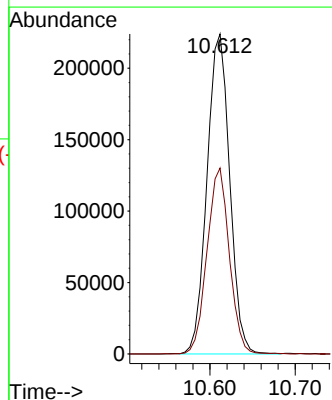
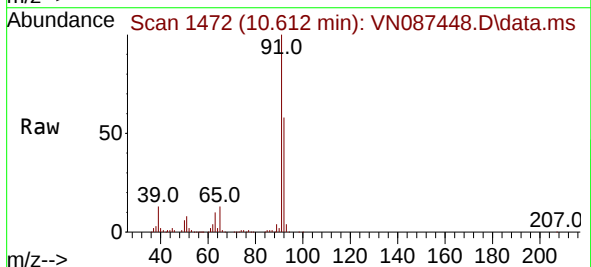
Acq: 05 Aug 2025 10:06

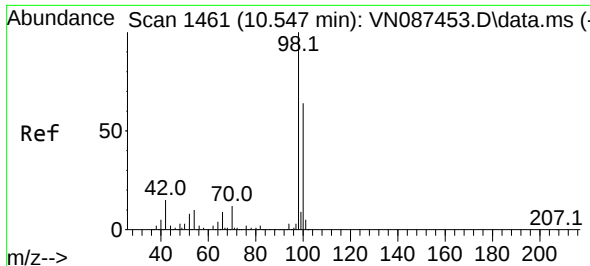
Tgt Ion: 91 Resp: 414633

Ion Ratio Lower Upper

91 100

92 57.1 45.8 68.6

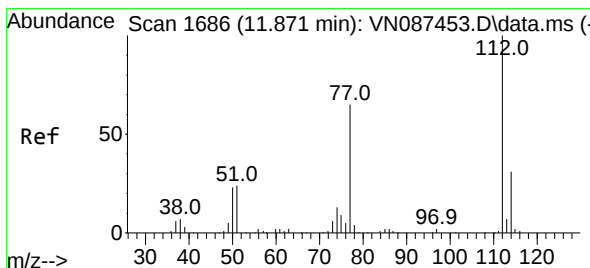
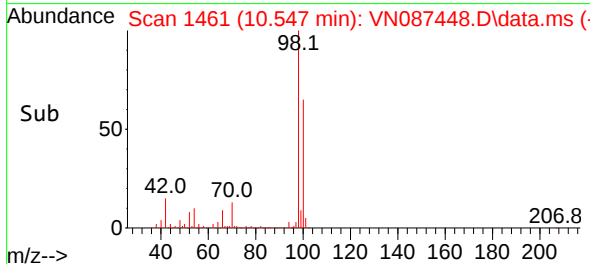
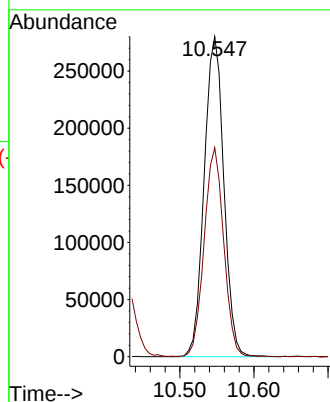
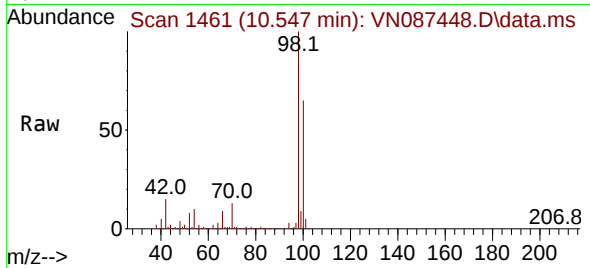




#63
Toluene-d8
Concen: 29.582 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

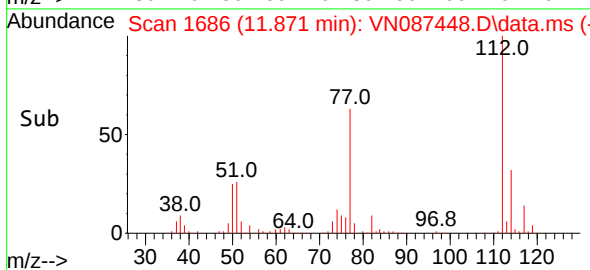
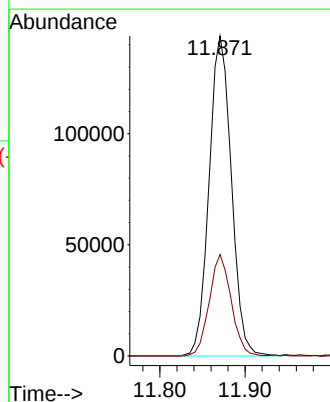
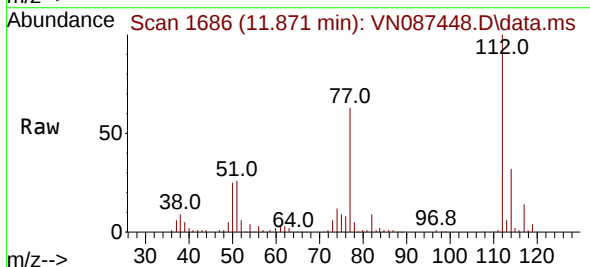
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

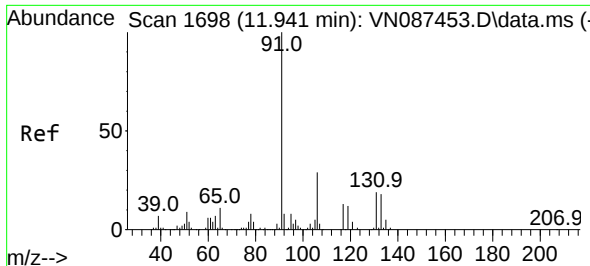
Tgt Ion: 98 Resp: 515350
Ion Ratio Lower Upper
98 100
100 64.6 50.5 75.7



#64
Chlorobenzene
Concen: 18.208 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 112 Resp: 261447
Ion Ratio Lower Upper
112 100
114 31.7 24.7 37.1

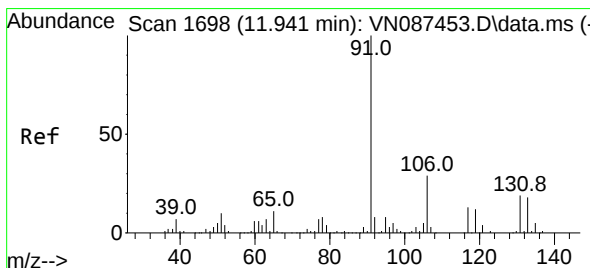
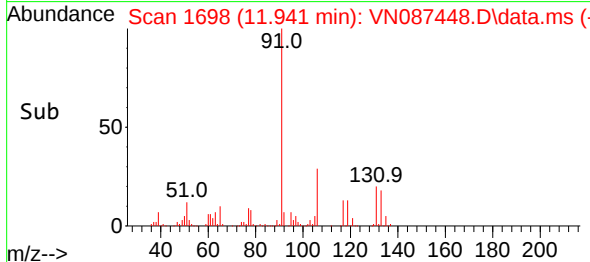
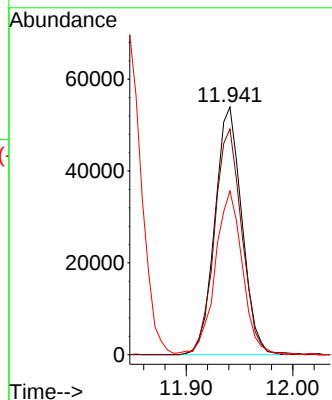
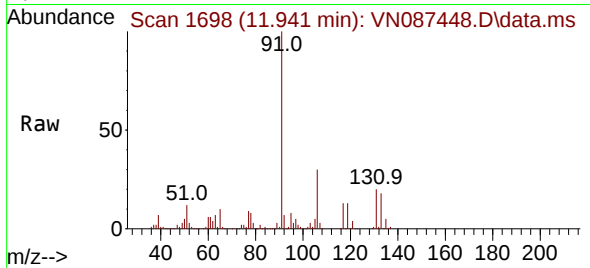




#65
1,1,1,2-Tetrachloroethane
Concen: 18.790 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

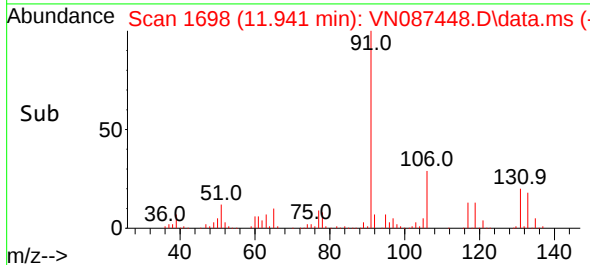
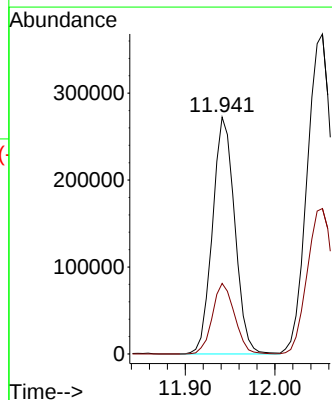
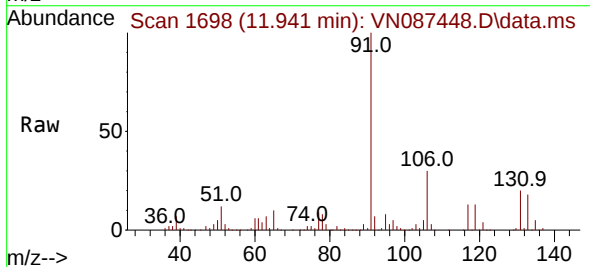
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

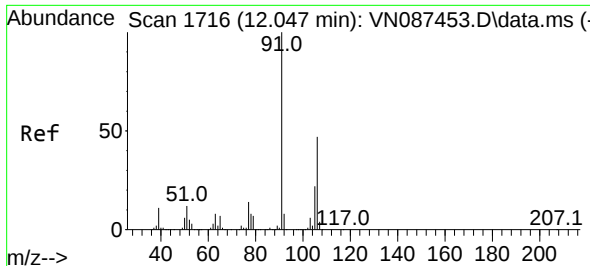
Tgt Ion:131 Resp: 94862
Ion Ratio Lower Upper
131 100
133 92.5 0.0 189.8
119 65.8 0.0 133.2



#66
Ethyl Benzene
Concen: 18.020 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 91 Resp: 469351
Ion Ratio Lower Upper
91 100
106 29.8 22.9 34.3

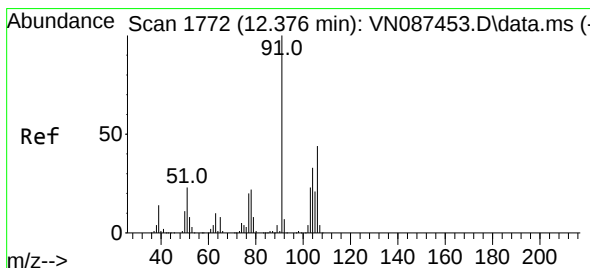
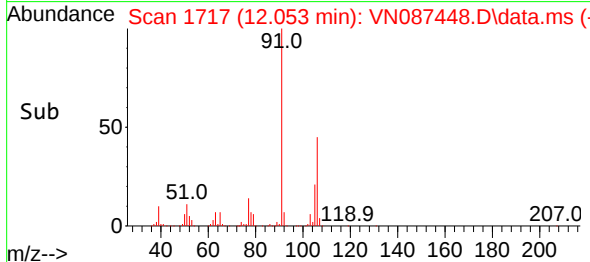
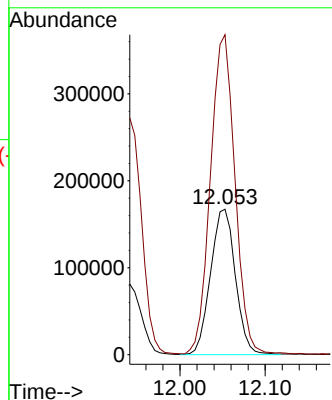
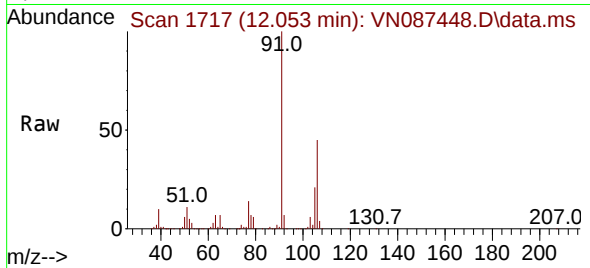




#67
m/p-Xylenes
Concen: 35.519 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

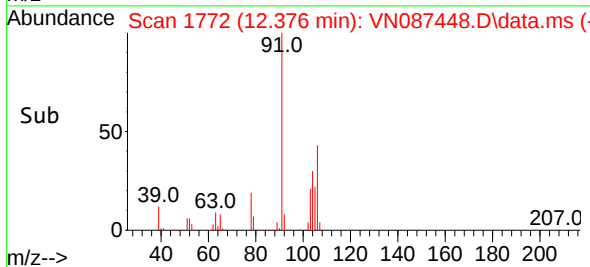
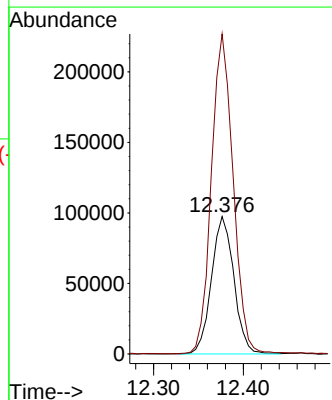
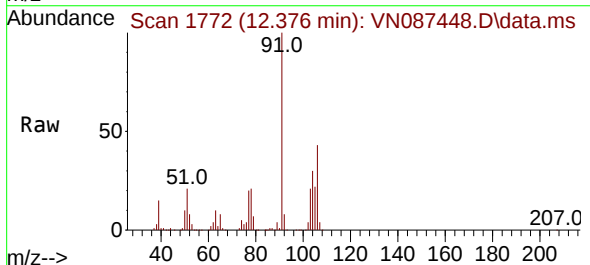
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

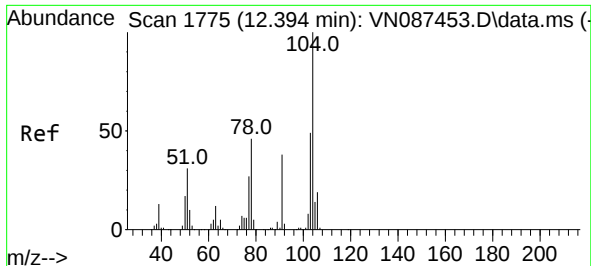
Tgt Ion:106 Resp: 339581
Ion Ratio Lower Upper
106 100
91 216.9 174.2 261.2



#68
o-Xylene
Concen: 17.987 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion:106 Resp: 169178
Ion Ratio Lower Upper
106 100
91 226.1 114.5 343.5

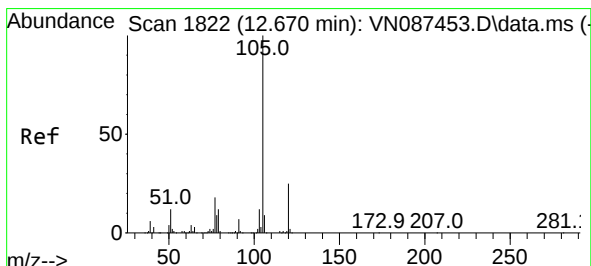
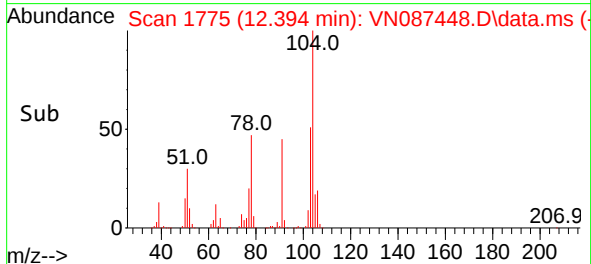
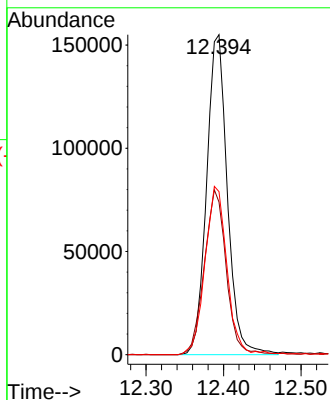
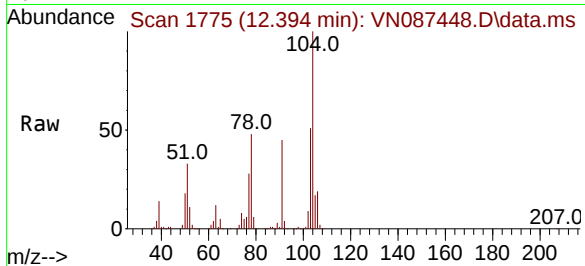




#69
Styrene
Concen: 17.970 ug/l
RT: 12.394 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

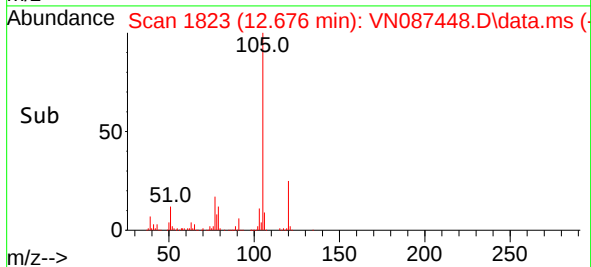
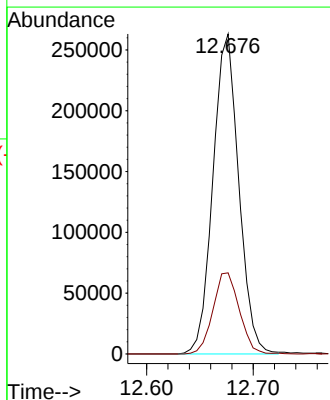
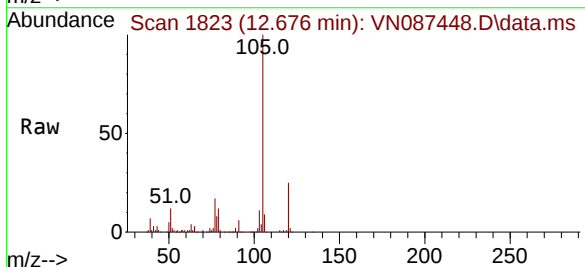
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

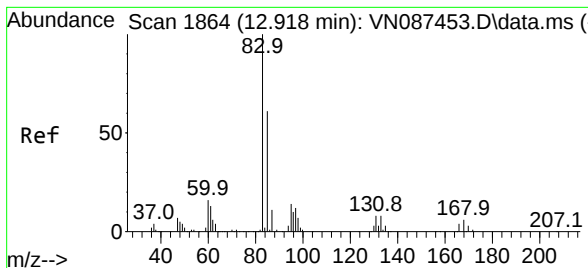
Tgt Ion:104 Resp: 288596
Ion Ratio Lower Upper
104 100
78 54.5 43.8 65.8
103 54.9 43.1 64.7



#70
Isopropylbenzene
Concen: 18.506 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion:105 Resp: 442228
Ion Ratio Lower Upper
105 100
120 25.8 17.5 32.5

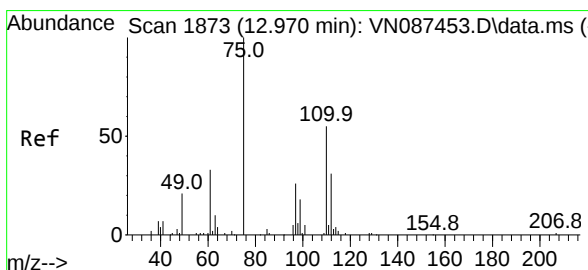
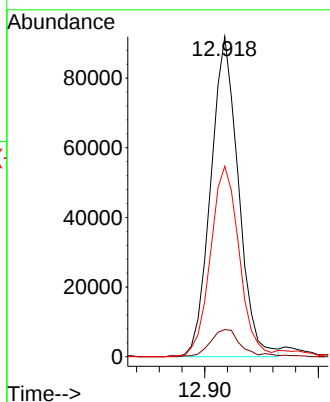
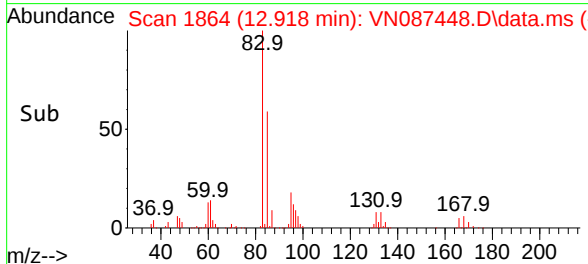
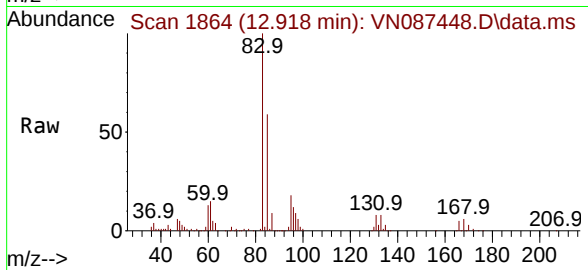




#71
1,1,2,2-Tetrachloroethane
Concen: 19.011 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

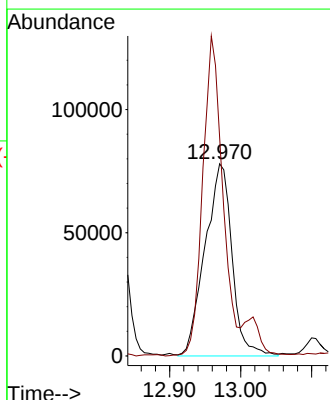
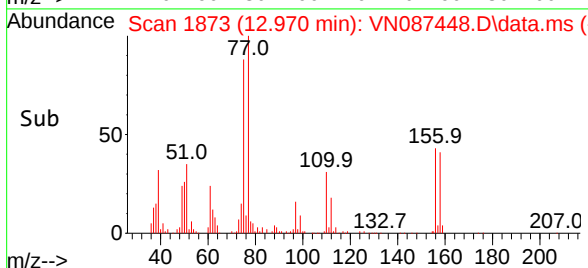
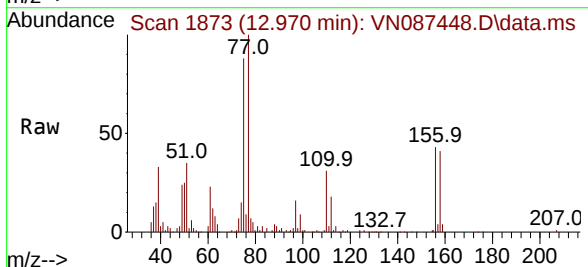
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

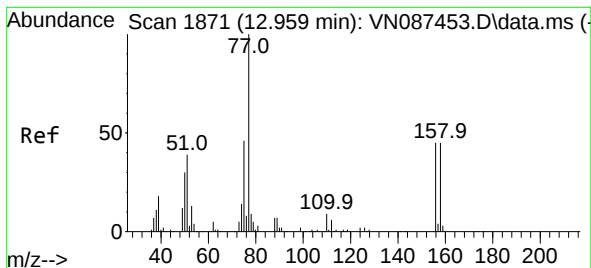
Tgt Ion: 83 Resp: 155651
Ion Ratio Lower Upper
83 100
131 8.8 4.8 14.3
85 60.9 31.7 95.1



#72
1,2,3-Trichloropropane
Concen: 26.994 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 75 Resp: 205893
Ion Ratio Lower Upper
75 100
77 123.8 0.0 385.0





#73

Bromobenzene

Concen: 18.263 ug/l

RT: 12.959 min Scan# 1871

Delta R.T. 0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

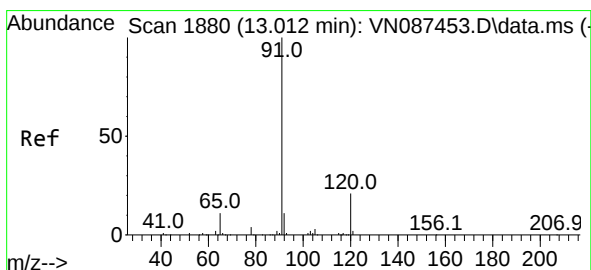
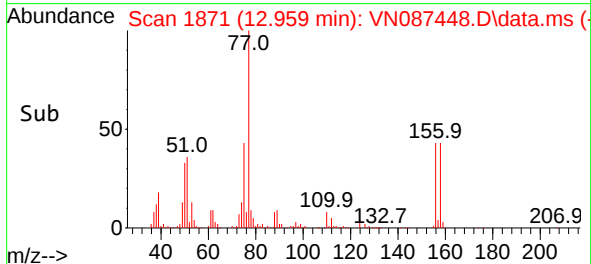
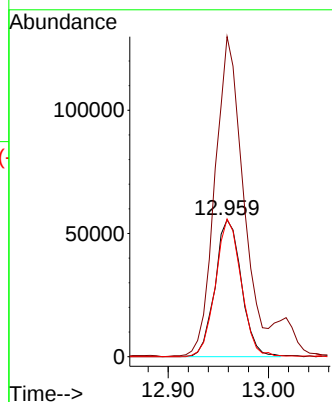
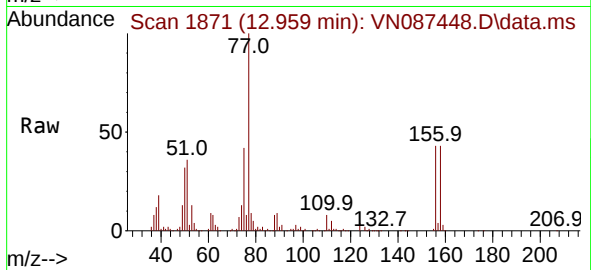
Tgt Ion:156 Resp: 101166

Ion Ratio Lower Upper

156 100

77 251.9 0.0 506.6

158 98.3 0.0 193.6



#74

n-propylbenzene

Concen: 18.139 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN087448.D

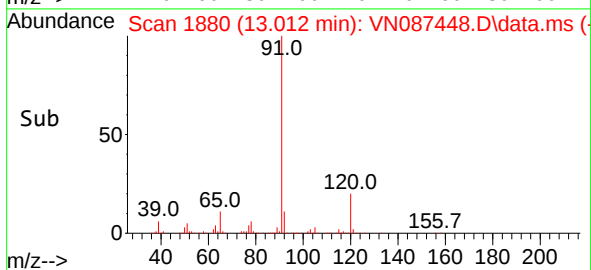
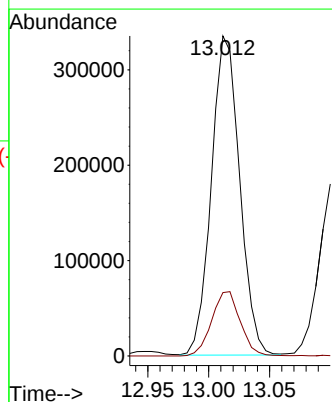
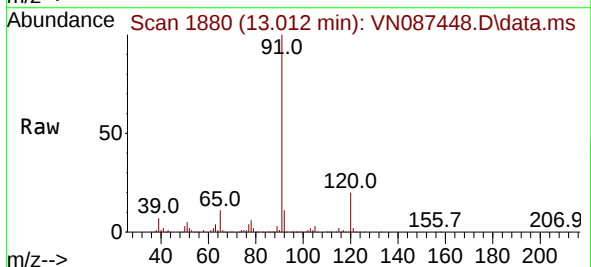
Acq: 05 Aug 2025 10:06

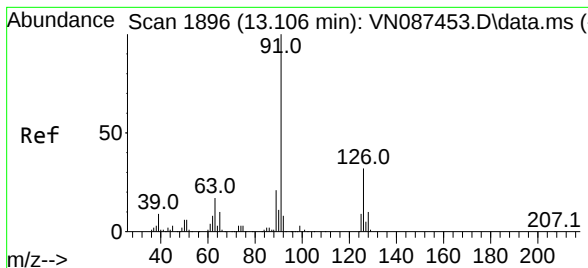
Tgt Ion: 91 Resp: 541319

Ion Ratio Lower Upper

91 100

120 20.3 0.0 41.8

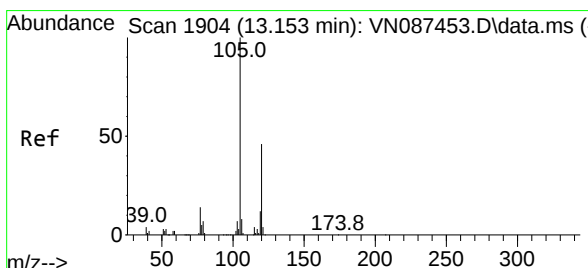
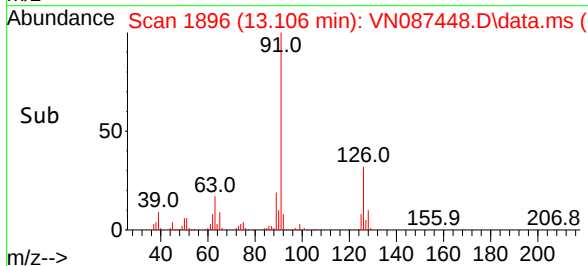
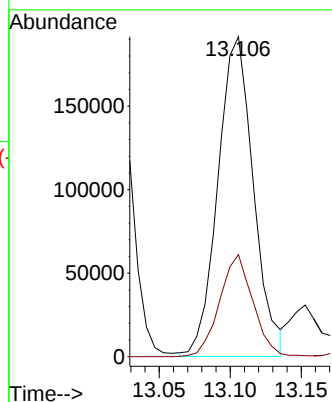
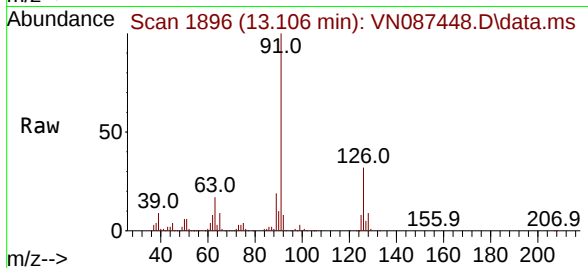




#75
2-Chlorotoluene
Concen: 18.166 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

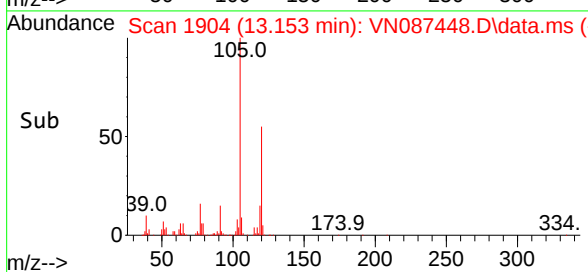
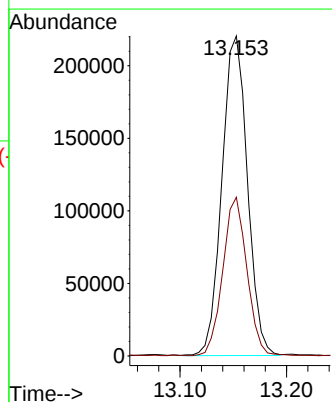
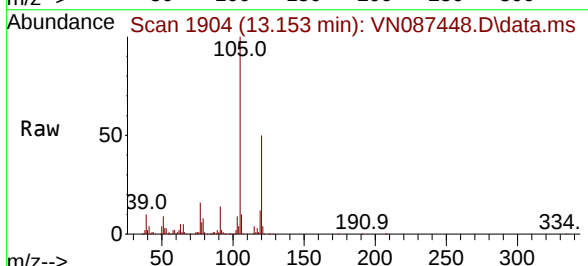
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

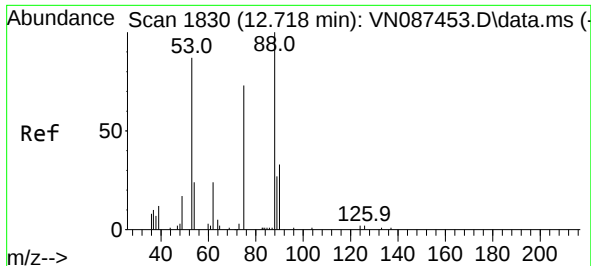
Tgt Ion: 91 Resp: 333479
Ion Ratio Lower Upper
91 100
126 30.0 0.0 60.4



#76
1,3,5-Trimethylbenzene
Concen: 17.905 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 105 Resp: 366342
Ion Ratio Lower Upper
105 100
120 47.2 0.0 91.2

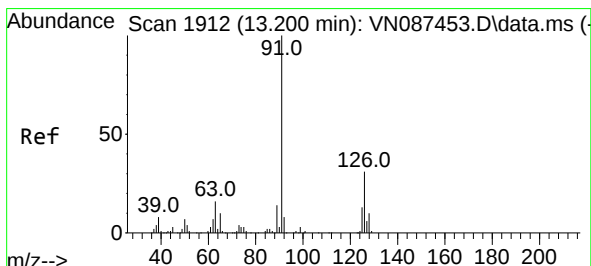
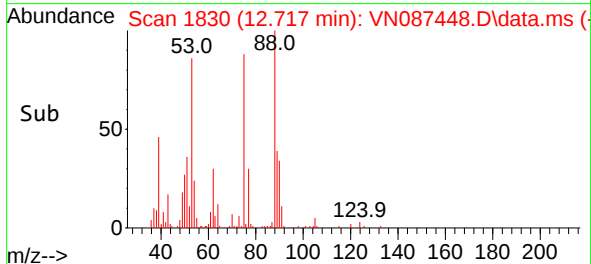
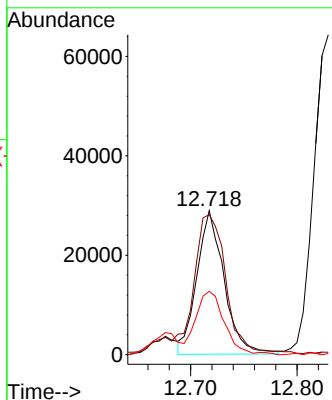
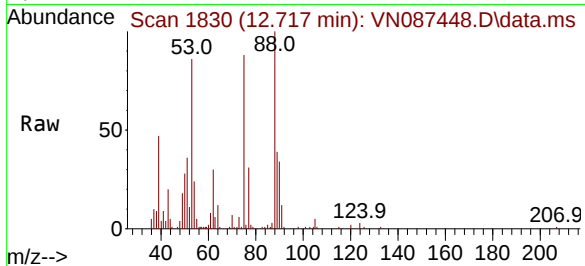




#77
t-1,4-Dichloro-2-butene
Concen: 17.810 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

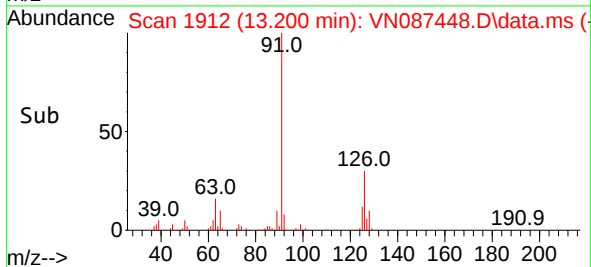
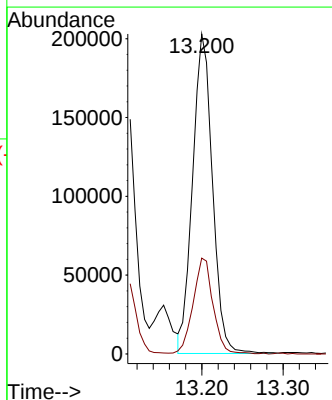
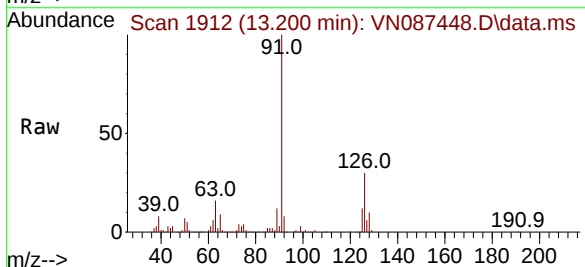
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

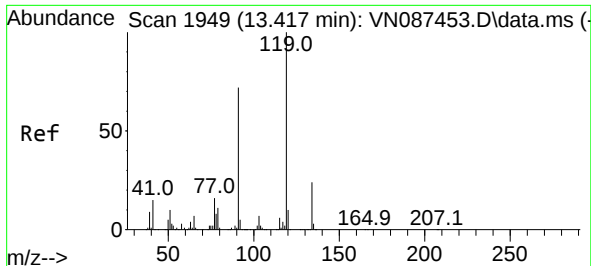
Tgt Ion: 75 Resp: 51424
Ion Ratio Lower Upper
75 100
53 97.3 59.0 176.8
89 45.1 22.1 66.5



#78
4-Chlorotoluene
Concen: 18.529 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 91 Resp: 344690
Ion Ratio Lower Upper
91 100
126 30.2 0.0 63.2

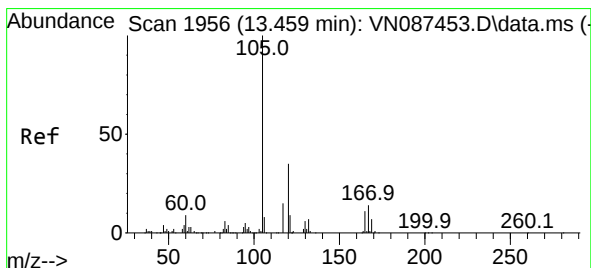
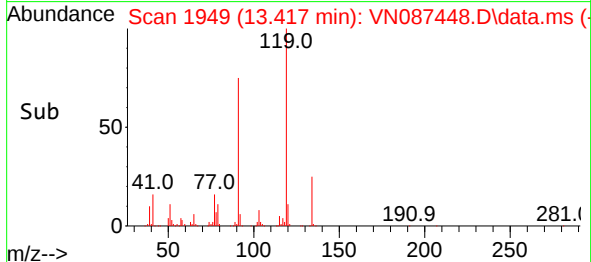
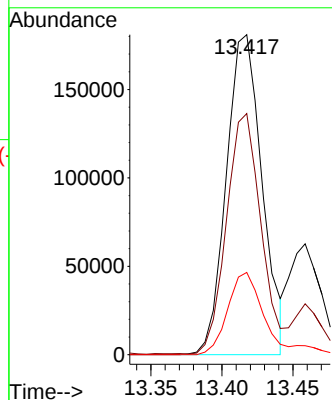
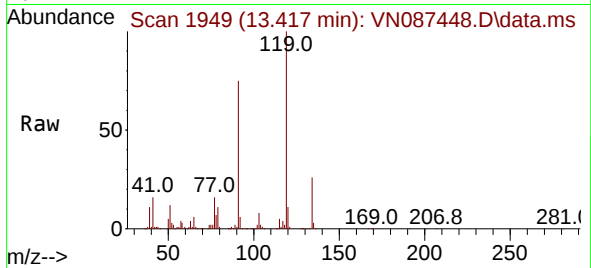




#79
tert-butylbenzene
Concen: 18.382 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

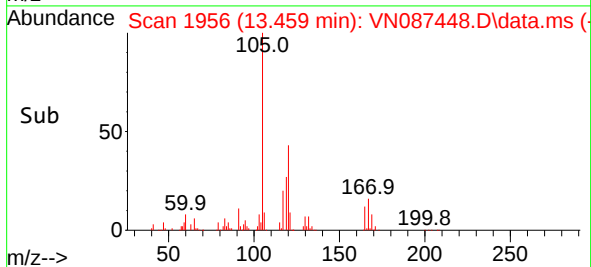
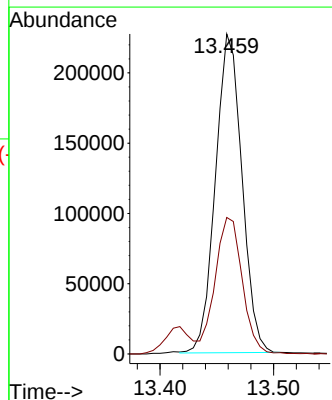
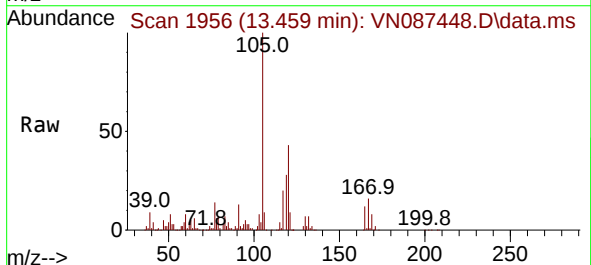
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

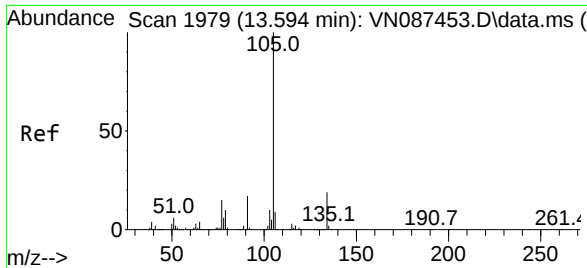
Tgt Ion:119 Resp: 317095
Ion Ratio Lower Upper
119 100
91 71.8 0.0 141.6
134 24.8 0.0 45.6



#80
1,2,4-Trimethylbenzene
Concen: 17.946 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion:105 Resp: 366906
Ion Ratio Lower Upper
105 100
120 43.6 0.0 87.2

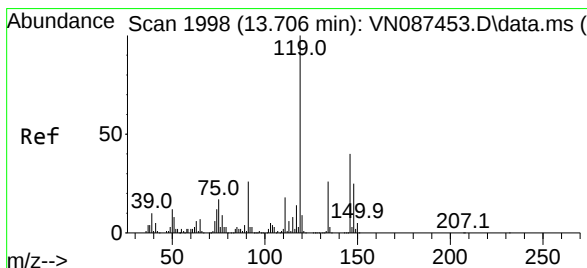
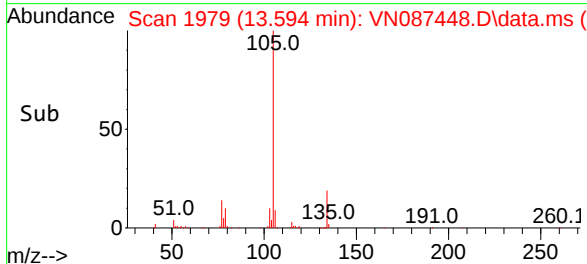
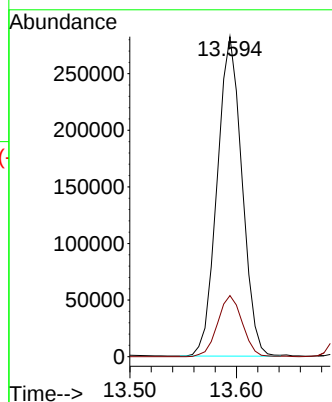
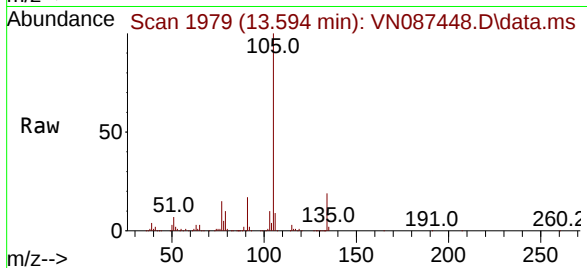




#81
 sec-Butylbenzene
 Concen: 18.190 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN087448.D
 Acq: 05 Aug 2025 10:06

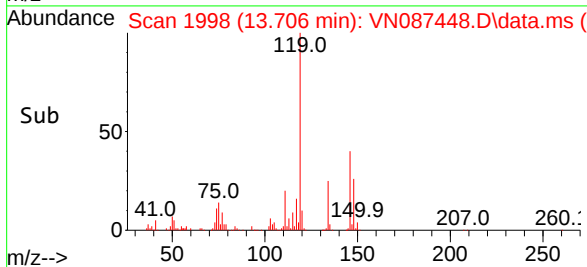
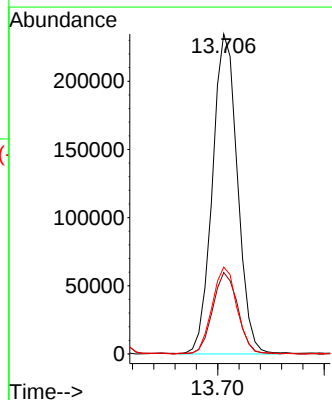
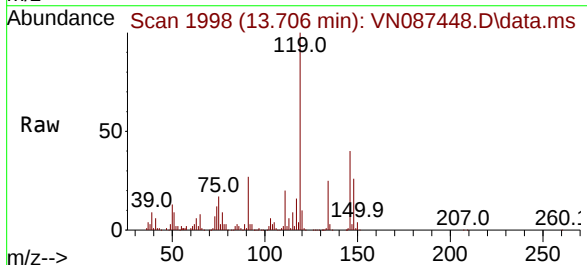
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

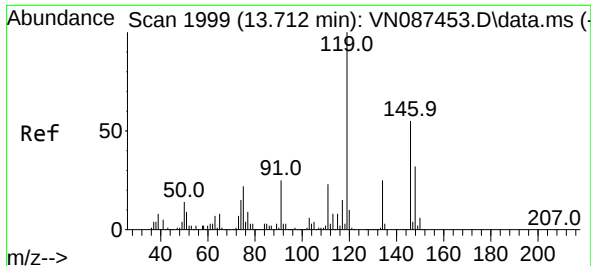
Tgt Ion:105 Resp: 456813
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 37.6



#82
 p-Isopropyltoluene
 Concen: 18.329 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087448.D
 Acq: 05 Aug 2025 10:06

Tgt Ion:119 Resp: 382192
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 51.4
 91 26.8 0.0 52.0

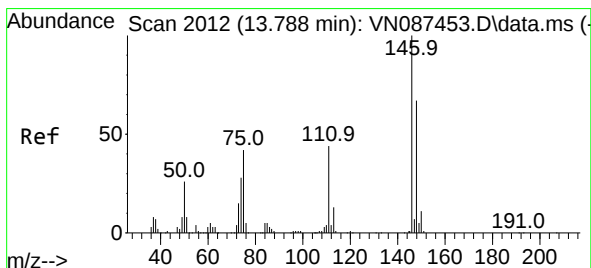
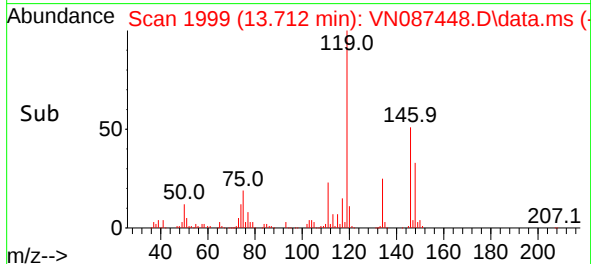
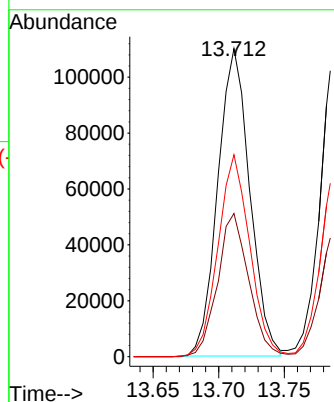
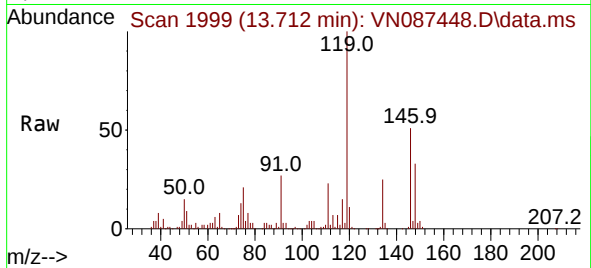




#83
1,3-Dichlorobenzene
Concen: 17.688 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

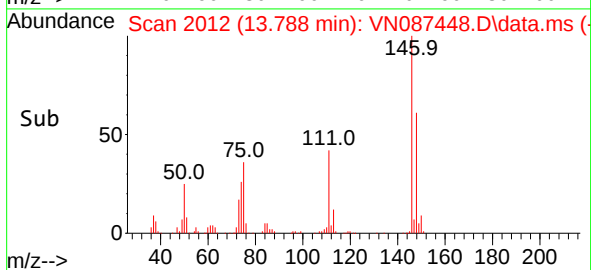
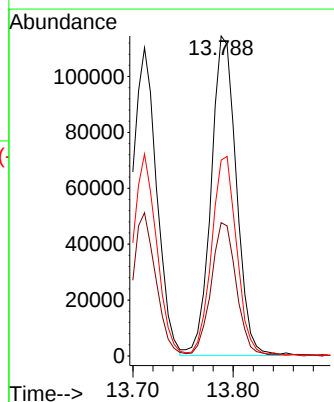
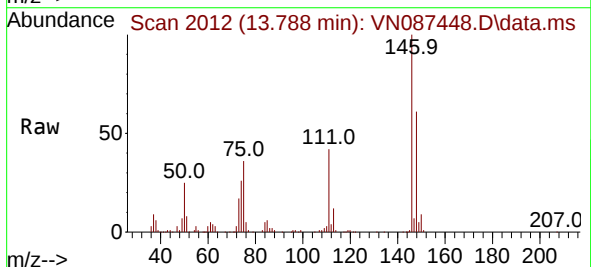
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

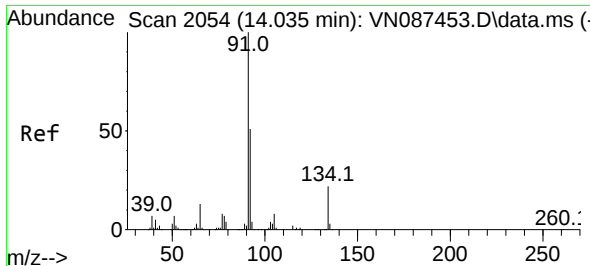
Tgt Ion:146 Resp: 186588
Ion Ratio Lower Upper
146 100
111 45.5 21.9 65.5
148 65.6 31.3 93.9



#84
1,4-Dichlorobenzene
Concen: 18.706 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion:146 Resp: 200047
Ion Ratio Lower Upper
146 100
111 41.7 21.1 63.1
148 62.3 31.4 94.3

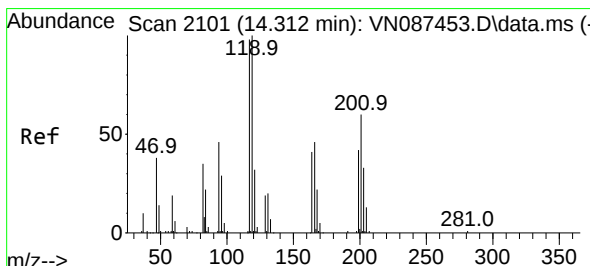
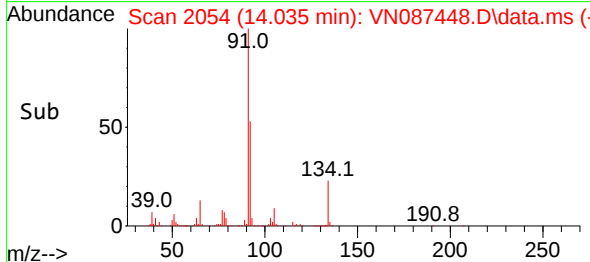
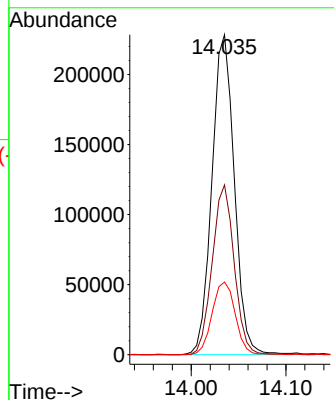
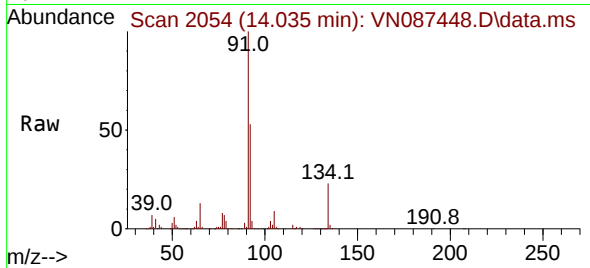




#85
n-Butylbenzene
Concen: 18.352 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

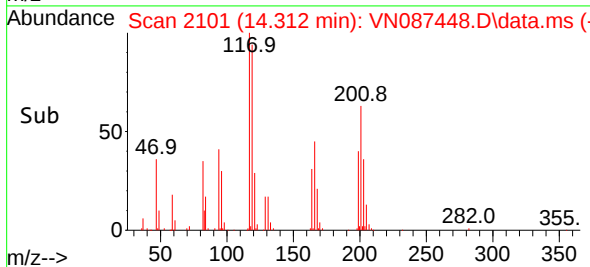
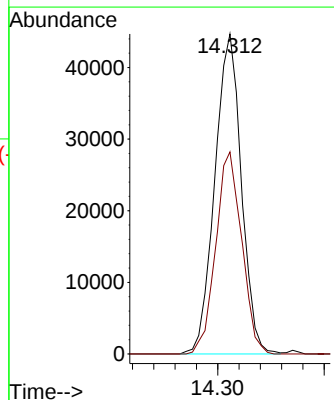
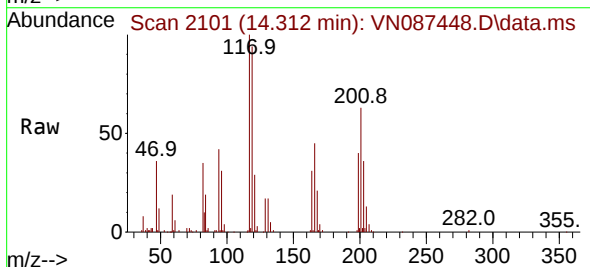
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

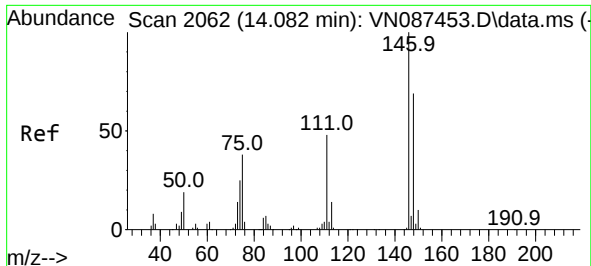
Tgt Ion: 91 Resp: 374400
Ion Ratio Lower Upper
91 100
92 51.8 0.0 106.6
134 23.4 0.0 44.4



#86
Hexachloroethane
Concen: 18.953 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion: 117 Resp: 77174
Ion Ratio Lower Upper
117 100
201 61.8 29.1 87.4





#87

1,2-Dichlorobenzene

Concen: 18.855 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

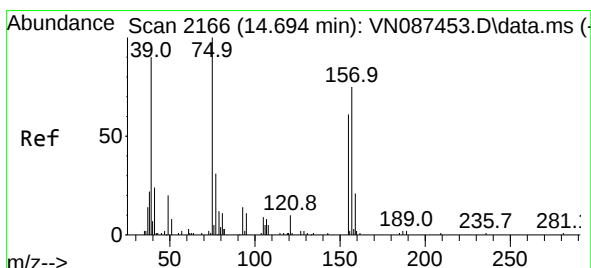
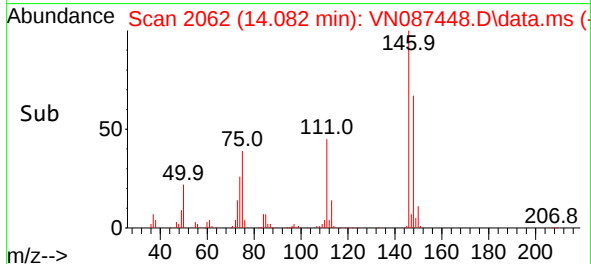
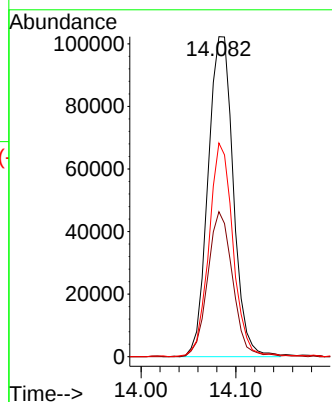
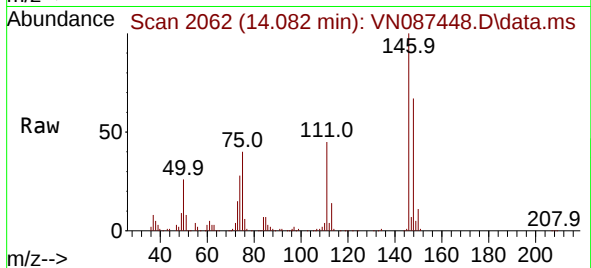
Tgt Ion:146 Resp: 189854

Ion Ratio Lower Upper

146 100

111 44.3 22.9 68.7

148 63.3 31.6 94.7



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.228 ug/l

RT: 14.694 min Scan# 2166

Delta R.T. 0.000 min

Lab File: VN087448.D

Acq: 05 Aug 2025 10:06

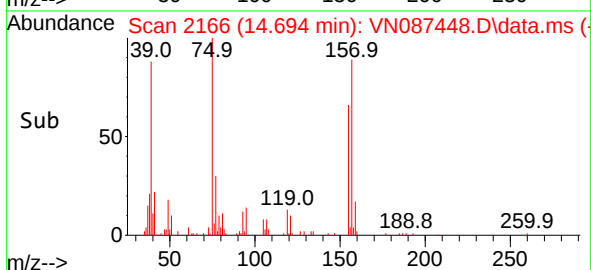
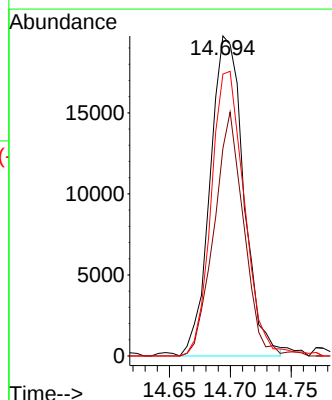
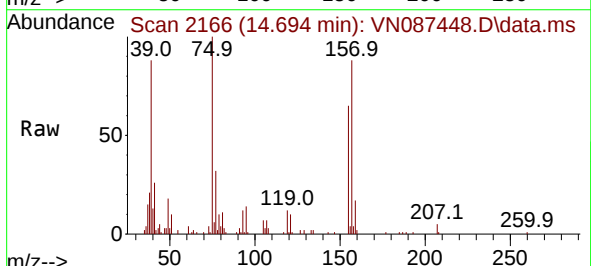
Tgt Ion: 75 Resp: 37808

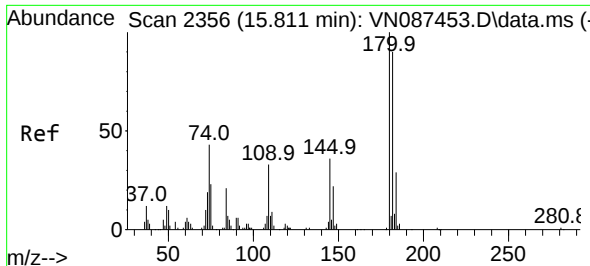
Ion Ratio Lower Upper

75 100

155 67.2 55.7 83.5

157 87.1 65.8 98.6

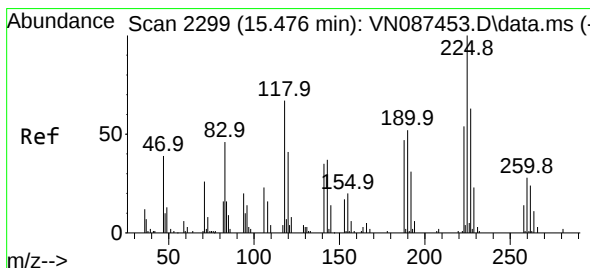
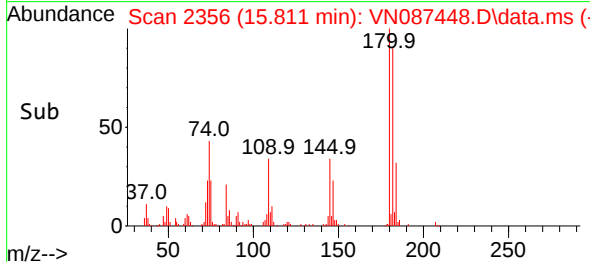
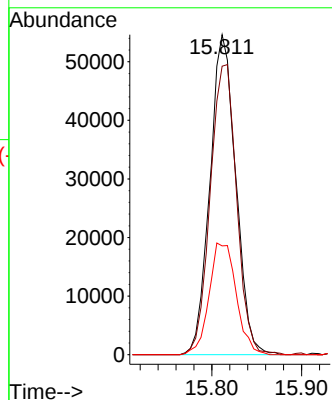
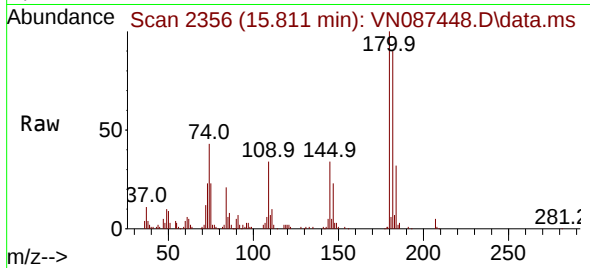




#89
1,2,4-Trichlorobenzene
Concen: 18.178 ug/l
RT: 15.811 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

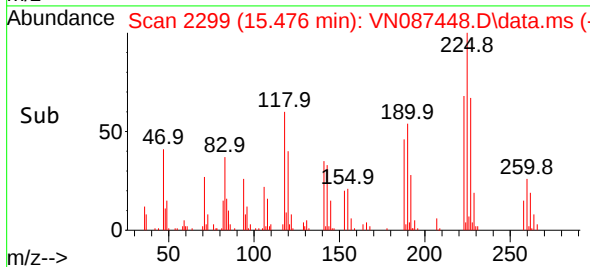
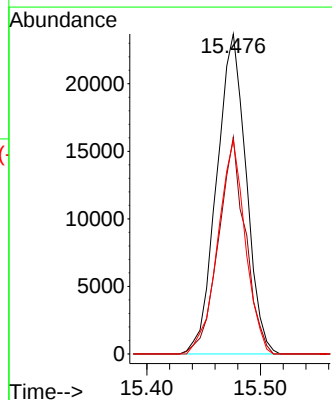
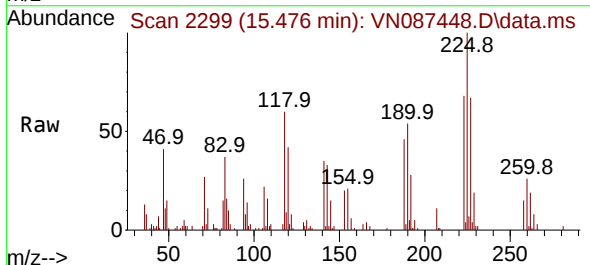
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

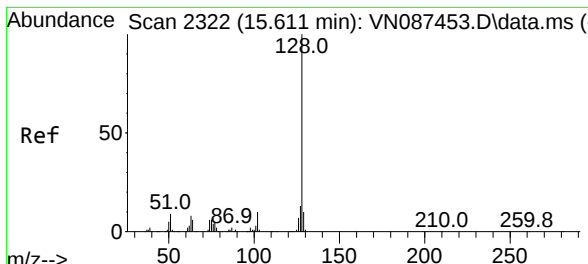
Tgt Ion:180 Resp: 109387
Ion Ratio Lower Upper
180 100
182 92.2 75.0 112.4
145 36.6 28.6 43.0



#90
Hexachlorobutadiene
Concen: 18.237 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087448.D
Acq: 05 Aug 2025 10:06

Tgt Ion:225 Resp: 42675
Ion Ratio Lower Upper
225 100
223 62.1 0.0 116.0
227 62.4 0.0 127.0



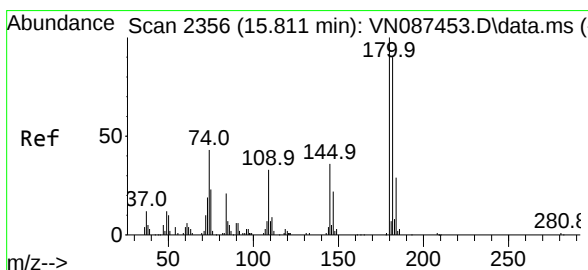
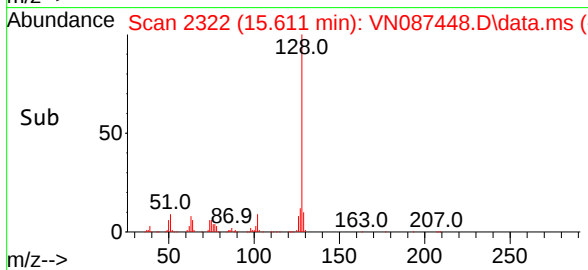
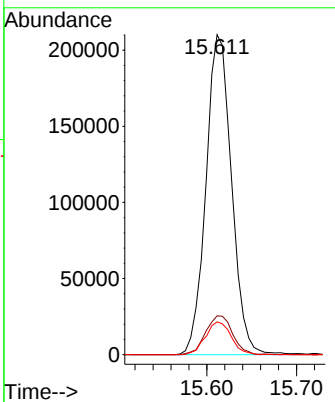
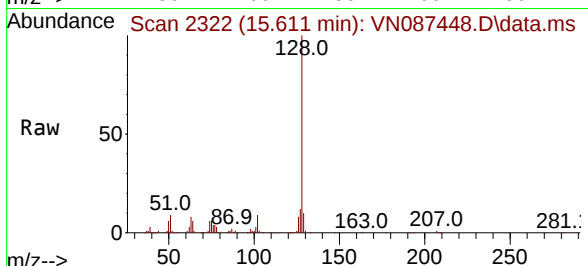


#91
 Naphthalene
 Concen: 18.112 ug/l
 RT: 15.611 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN087448.D
 Acq: 05 Aug 2025 10:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion:128 Resp: 415572

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.3	8.9	13.3



#92
 1,2,3-Trichlorobenzene
 Concen: 18.178 ug/l
 RT: 15.811 min Scan# 2356
 Delta R.T. -0.000 min
 Lab File: VN087448.D
 Acq: 05 Aug 2025 10:06

Tgt Ion:180 Resp: 109387

Ion	Ratio	Lower	Upper
180	100		
182	92.2	0.0	187.4
145	36.6	0.0	71.6

