

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
 Data File : VN087714.D
 Acq On : 04 Sep 2025 10:54
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 05 02:16:39 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	48350	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	251837	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	230082	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	124569	27.933	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.100%
60) 4-Bromofluorobenzene	12.829	95	115967	29.288	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	97.633%
63) Toluene-d8	10.547	98	321960	30.412	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.367%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	60133	19.049	ug/l	94
3) Chloromethane	2.383	50	64019	19.766	ug/l	90
4) Vinyl Chloride	2.536	62	72293	21.045	ug/l	95
5) Bromomethane	2.983	94	45165	24.291	ug/l	84
6) Chloroethane	3.136	64	50084	22.610	ug/l	95
7) Trichlorofluoromethane	3.512	101	106668	21.576	ug/l	98
8) Diethyl Ether	3.965	74	42068	20.425	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	62284	24.706	ug/l	89
10) 1,1-Dichloroethene	4.342	96	58425	22.063	ug/l	89
11) Methyl Iodide	4.577	142	32210	15.448	ug/l	90
12) Methyl Acetate	5.024	43	110045	22.519	ug/l	93
13) Acrolein	4.171	56	70956	95.068	ug/l	95
14) Acrylonitrile	5.706	53	199993	93.724	ug/l	100
15) Acetone	4.412	58	31337	51.398	ug/l	92
16) Carbon Disulfide	4.700	76	151225	18.410	ug/l	98
17) Allyl chloride	5.000	41	34239	6.344	ug/l	90
18) Methylene Chloride	5.259	84	68053	19.962	ug/l	90
19) trans-1,2-Dichloroethene	5.771	96	57873	18.378	ug/l	95
20) Diisopropyl ether	6.653	45	228386	18.574	ug/l #	97
21) 1,1-Dichloroethane	6.553	63	123208	19.385	ug/l #	97
22) cis-1,2-Dichloroethene	7.471	96	74107	19.126	ug/l	97
23) tert-Butyl Alcohol	5.518	59	69925	77.117	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	213810	17.719	ug/l	98
25) Chloroform	7.947	83	132472	19.968	ug/l	94
26) Cyclohexane	8.236	56	89474	17.583	ug/l #	93
29) 1,1-Dichloropropene	8.353	75	82459	20.075	ug/l	99
30) 2-Butanone	7.465	43	293154	96.824	ug/l	99
31) 2,2-Dichloropropane	7.471	77	111592	21.065	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	109005	20.808	ug/l	96
33) Carbon Tetrachloride	8.341	117	89740	20.620	ug/l	98
34) Benzene	8.588	78	266751	20.573	ug/l	98
35) Methacrylonitrile	7.765	41	61968	18.966	ug/l	91
36) 1,2-Dichloroethane	8.653	62	106474	20.317	ug/l	98
37) Trichloroethene	9.335	130	59328	20.772	ug/l	84
38) Methylcyclohexane	9.582	83	86646	18.183	ug/l	99
39) 1,2-Dichloropropane	9.600	63	71262	21.436	ug/l	99
40) Dibromomethane	9.688	93	50310	20.170	ug/l	90
41) Bromodichloromethane	9.865	83	105844	20.422	ug/l	96
42) Vinyl Acetate	6.589	43	1025271	102.828	ug/l	98

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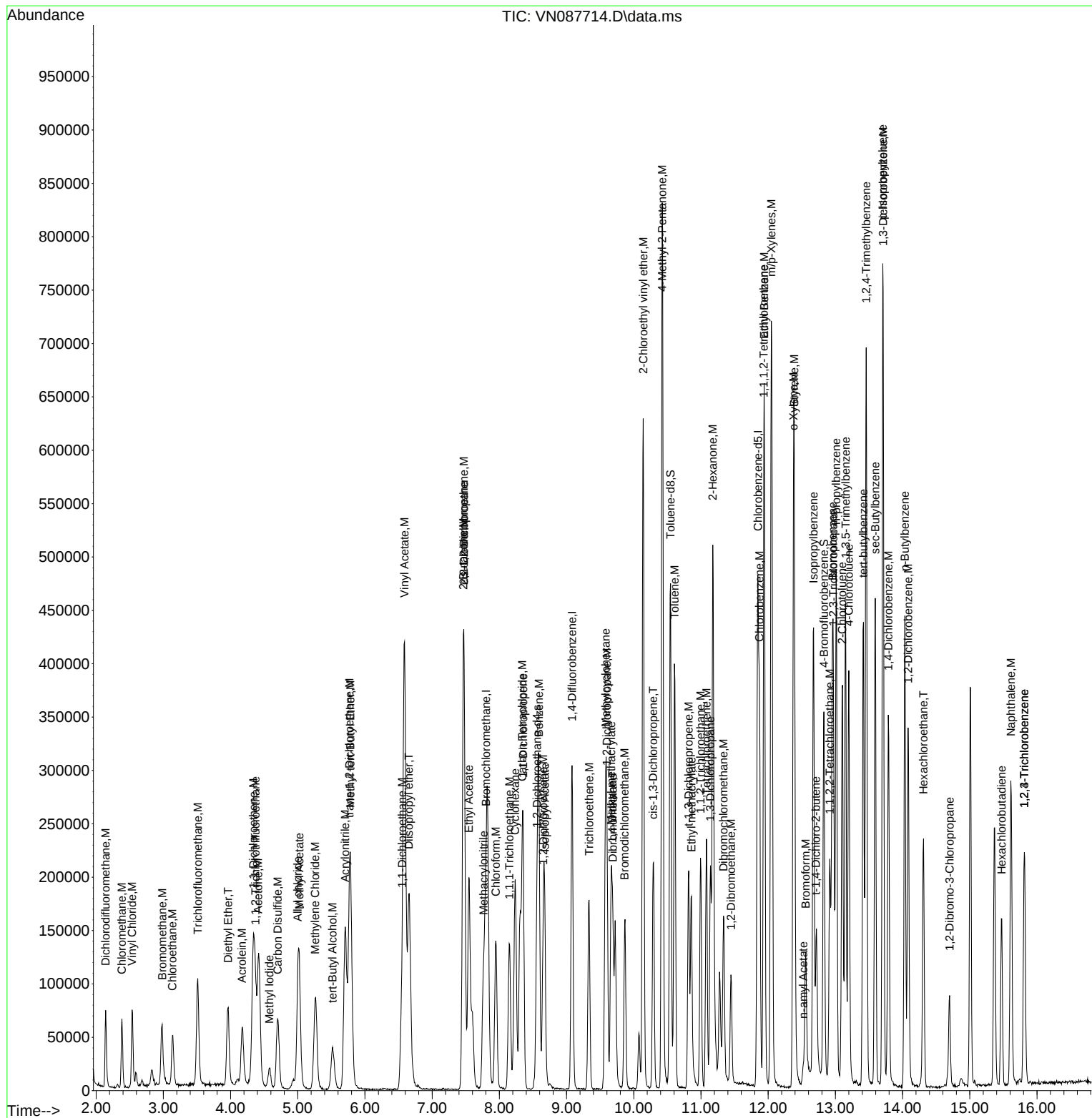
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	119575	20.443	ug/l	94
44) Isopropyl Acetate	8.677	43	186772	18.837	ug/l	100
45) 1,4-Dioxane	9.682	88	20336	321.735	ug/l #	86
46) Methyl methacrylate	9.665	41	86691	18.523	ug/l	94
47) n-amyl Acetate	12.523	43	9924	1.812	ug/l #	76
48) t-1,3-Dichloropropene	10.818	75	109981	19.505	ug/l	99
49) cis-1,3-Dichloropropene	10.288	75	113989	20.087	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	69590	22.082	ug/l	95
51) Ethyl methacrylate	10.859	69	102364	18.444	ug/l	89
52) 1,3-Dichloropropane	11.141	76	119980	21.132	ug/l	100
53) Dibromochloromethane	11.335	129	74495	20.469	ug/l	98
54) 1,2-Dibromoethane	11.447	107	67426	20.155	ug/l	98
55) 2-Chloroethyl vinyl ether	10.141	63	271527	92.933	ug/l	99
56) Bromoform	12.559	173	46759	19.424	ug/l #	99
58) 4-Methyl-2-Pentanone	10.424	43	587862	99.321	ug/l	99
59) 2-Hexanone	11.177	43	384434	95.594	ug/l	98
61) Tetrachloroethene	11.082	164	47545	21.211	ug/l	96
62) Toluene	10.606	91	290343	20.446	ug/l	99
64) Chlorobenzene	11.871	112	181508	20.801	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.935	131	65246	21.267	ug/l	99
66) Ethyl Benzene	11.941	91	312337	19.733	ug/l	96
67) m/p-Xylenes	12.047	106	234213	40.313	ug/l	92
68) o-Xylene	12.376	106	107889	18.876	ug/l	98
69) Styrene	12.388	104	190079	19.476	ug/l	97
70) Isopropylbenzene	12.676	105	284145	19.568	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.918	83	108523	21.812	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	137388	29.641	ug/l	53
73) Bromobenzene	12.959	156	67183	19.958	ug/l	99
74) n-propylbenzene	13.012	91	371779	20.500	ug/l	100
75) 2-Chlorotoluene	13.100	91	217479	19.495	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	247884	19.937	ug/l	99
77) t-1,4-Dichloro-2-butene	12.712	75	31232	17.800	ug/l	77
78) 4-Chlorotoluene	13.200	91	227394	20.115	ug/l	100
79) tert-butylbenzene	13.418	119	203826	19.444	ug/l	96
80) 1,2,4-Trimethylbenzene	13.459	105	250626	20.173	ug/l	98
81) sec-Butylbenzene	13.594	105	308192	20.195	ug/l	99
82) p-Isopropyltoluene	13.706	119	250110	19.739	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	136995	21.371	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	142283	21.893	ug/l	97
85) n-Butylbenzene	14.035	91	248913	20.078	ug/l	97
86) Hexachloroethane	14.312	117	50886	20.565	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	130330	21.300	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	22682	17.995	ug/l	89
89) 1,2,4-Trichlorobenzene	15.812	180	72588	19.850	ug/l	99
90) Hexachlorobutadiene	15.476	225	25695	18.070	ug/l	83
91) Naphthalene	15.612	128	266009	19.078	ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	72588	19.850	ug/l	99

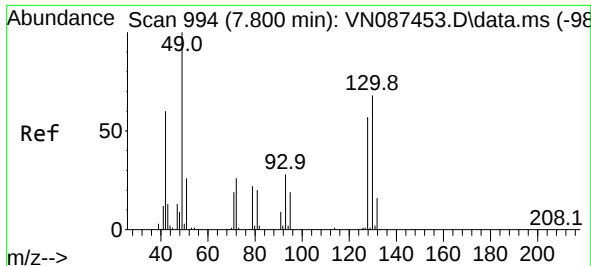
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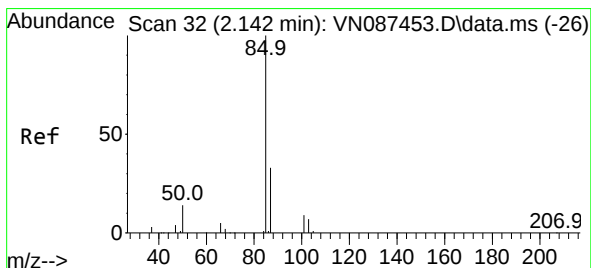
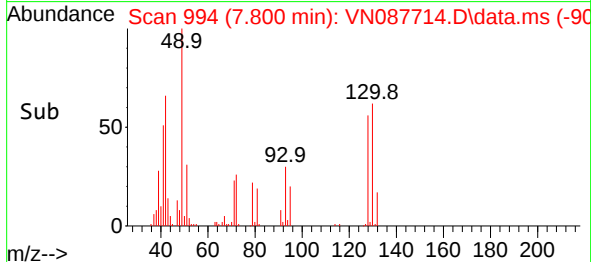
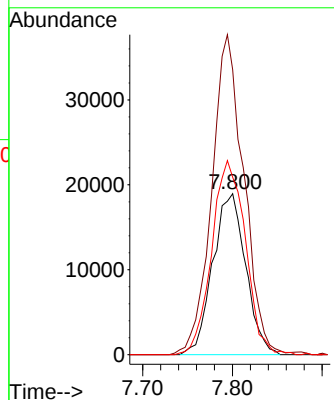
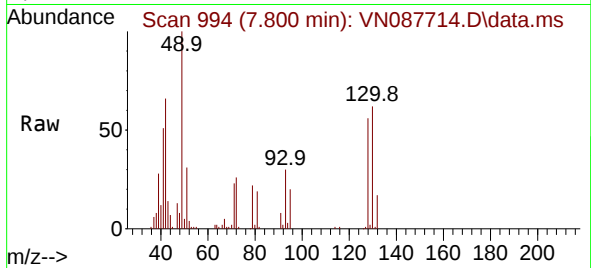




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 994
Delta R.T. 0.000 min
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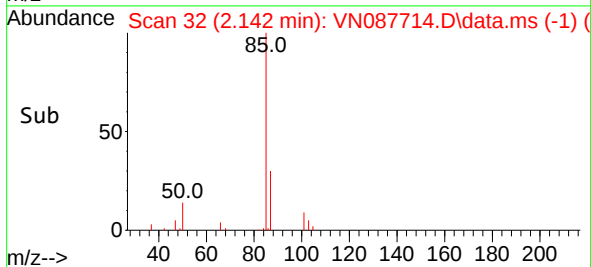
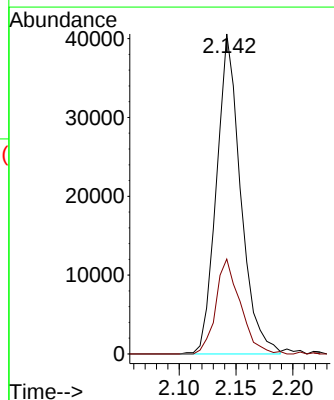
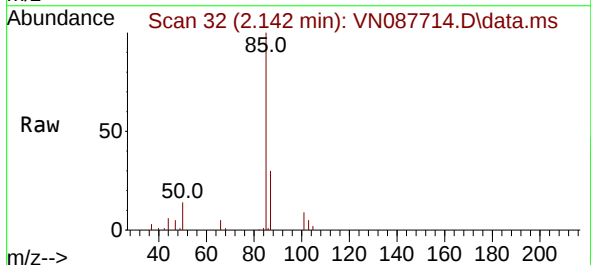
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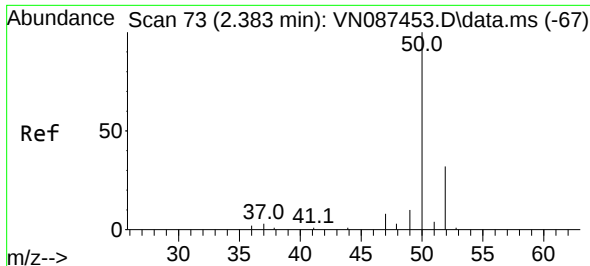
Tgt Ion:128 Resp: 48350
Ion Ratio Lower Upper
128 100
49 192.8 0.0 494.8
130 122.7 0.0 321.5



#2
Dichlorodifluoromethane
Concen: 19.049 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 85 Resp: 60133
Ion Ratio Lower Upper
85 100
87 29.7 16.4 49.2

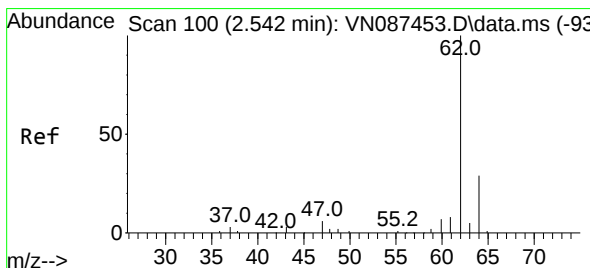
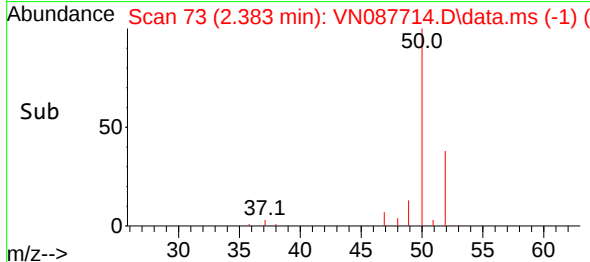
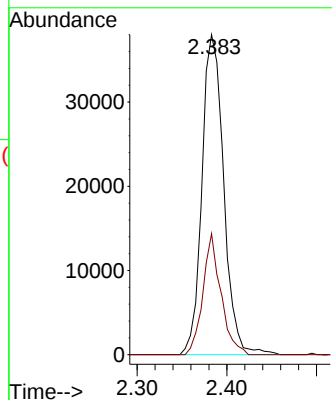
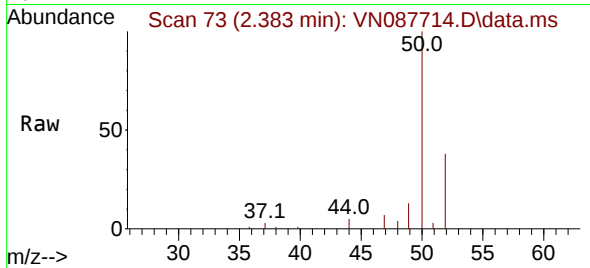




#3
Chloromethane
Concen: 19.766 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

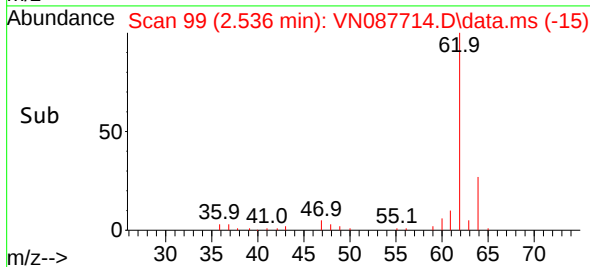
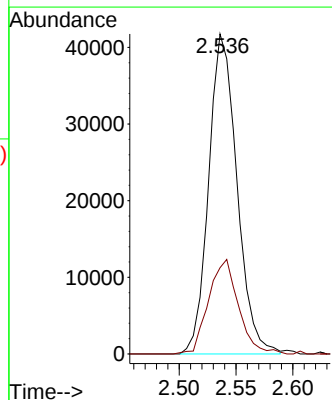
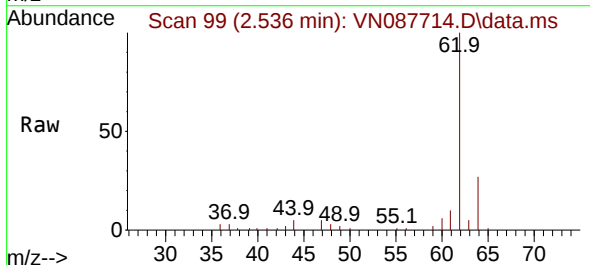
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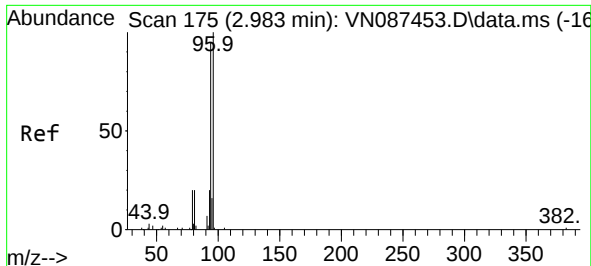
Tgt Ion: 50 Resp: 64019
Ion Ratio Lower Upper
50 100
52 37.8 25.8 38.6



#4
Vinyl Chloride
Concen: 21.045 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 62 Resp: 72293
Ion Ratio Lower Upper
62 100
64 26.6 23.4 35.2

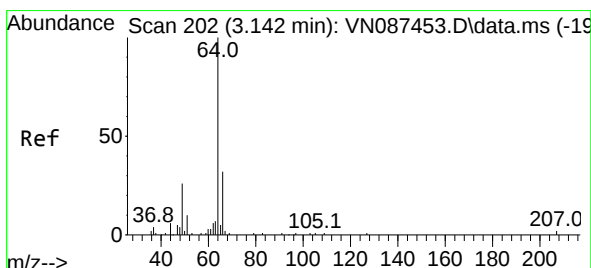
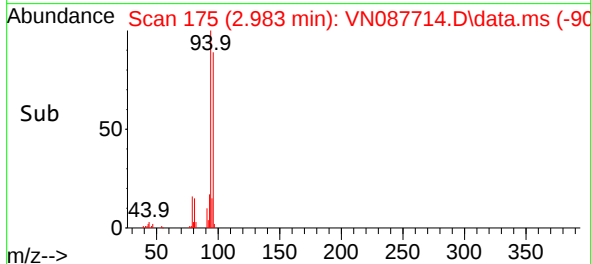
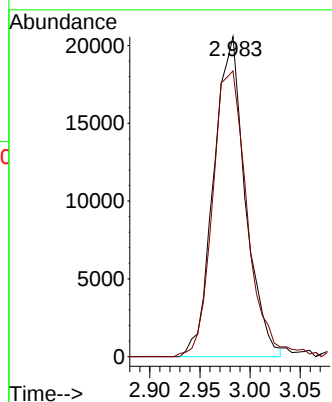
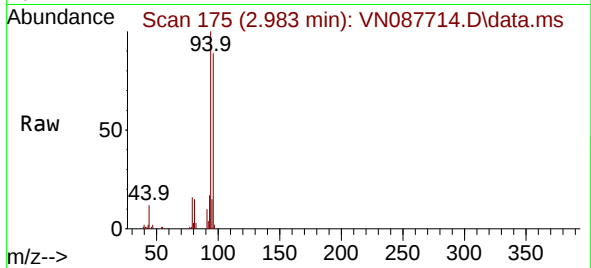




#5
Bromomethane
Concen: 24.291 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.000 min
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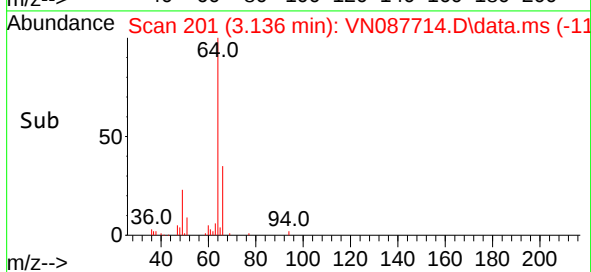
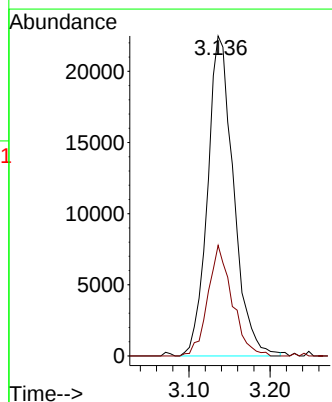
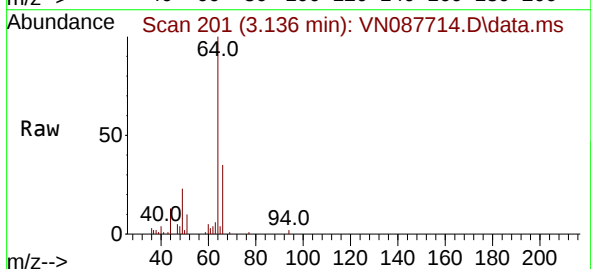
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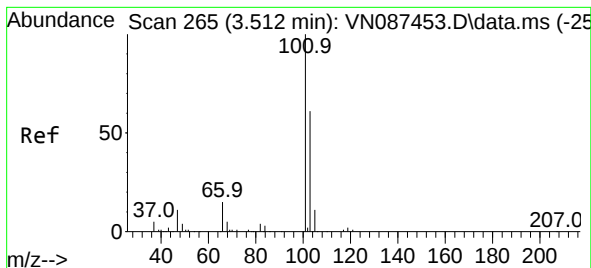
Tgt Ion: 94 Resp: 45165
Ion Ratio Lower Upper
94 100
96 88.3 84.2 126.4



#6
Chloroethane
Concen: 22.610 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN087714.D
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Tgt Ion: 64 Resp: 50084
Ion Ratio Lower Upper
64 100
66 34.6 25.4 38.0

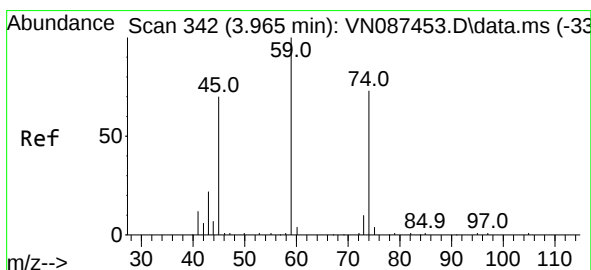
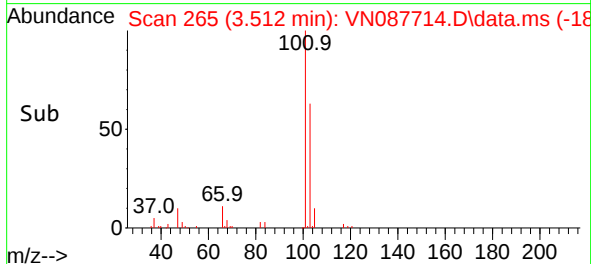
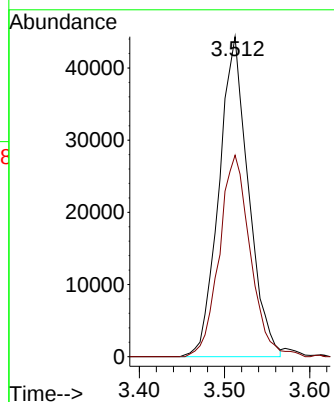
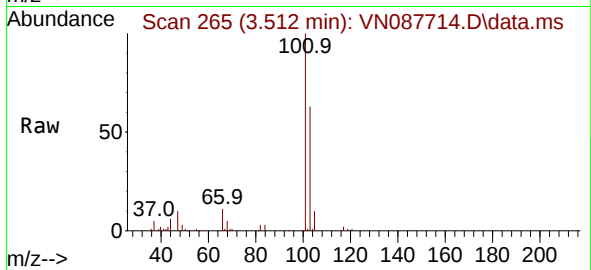




#7
 Trichlorofluoromethane
 Concen: 21.576 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. 0.000 min
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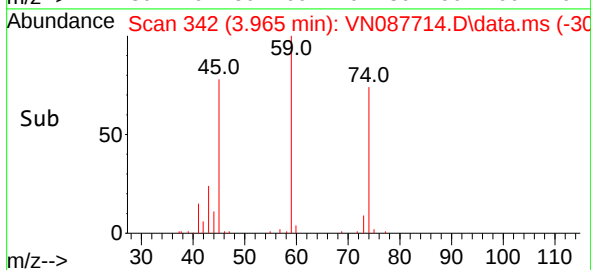
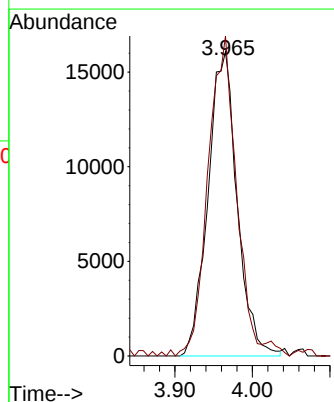
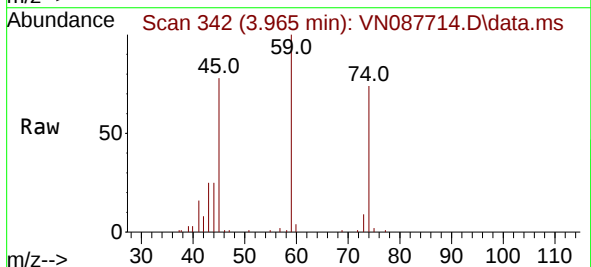
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Tgt Ion:101 Resp: 106668
 Ion Ratio Lower Upper
 101 100
 103 62.9 49.2 73.8



#8
 Diethyl Ether
 Concen: 20.425 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN087714.D
 Acq: 04 Sep 2025 10:54

Tgt Ion: 74 Resp: 42068
 Ion Ratio Lower Upper
 74 100
 45 101.4 20.1 180.9

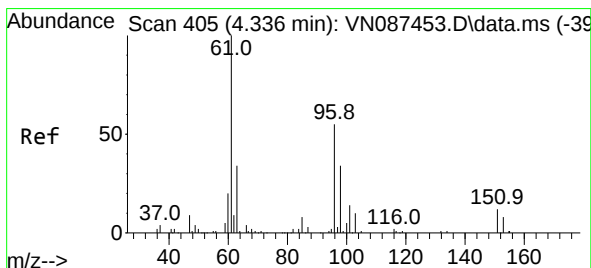
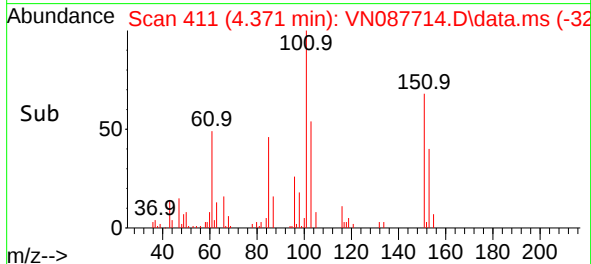
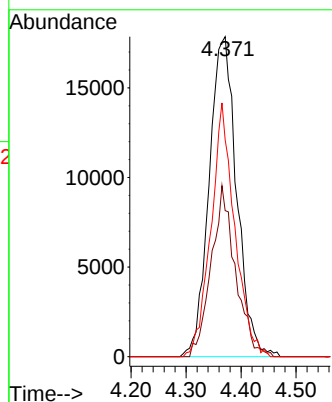
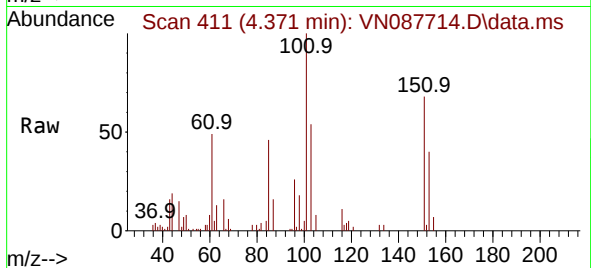




#9
1,1,2-Trichlorotrifluoroethane
Concen: 24.706 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.000 min
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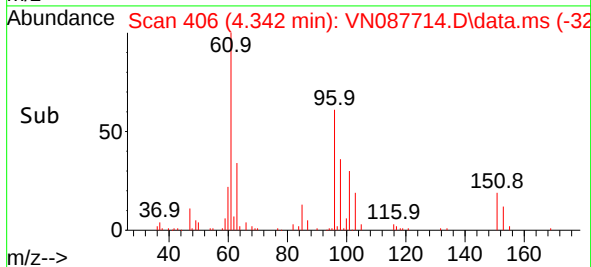
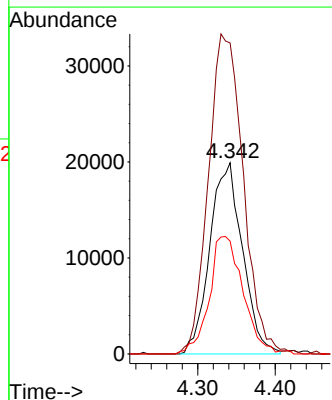
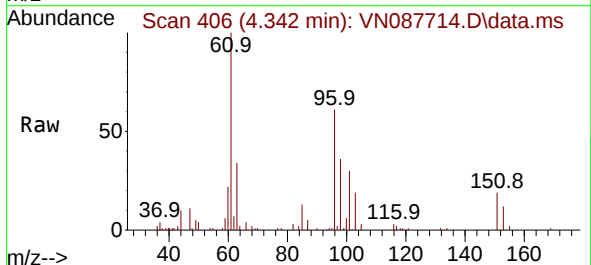
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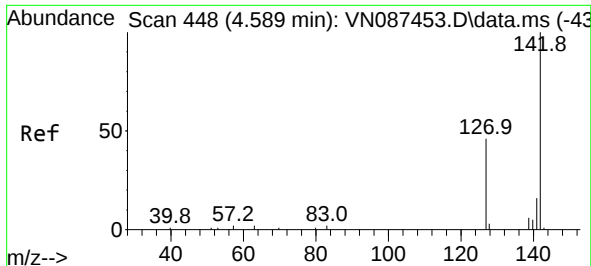
Tgt Ion:101 Resp: 62284
Ion Ratio Lower Upper
101 100
85 46.2 0.0 57.0
151 68.1 0.0 134.2



#10
1,1-Dichloroethene
Concen: 22.063 ug/l
RT: 4.342 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 96 Resp: 58425
Ion Ratio Lower Upper
96 100
61 161.7 144.2 216.4
98 57.8 49.7 74.5

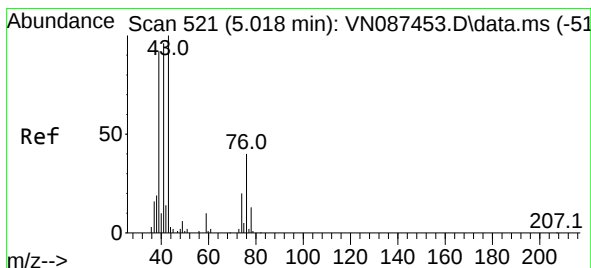
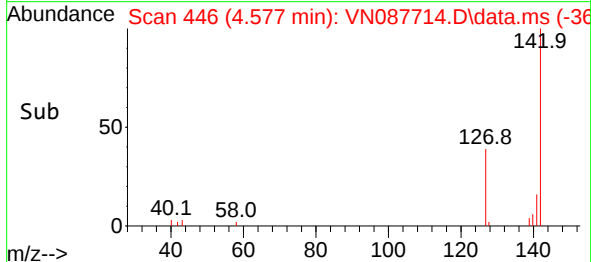
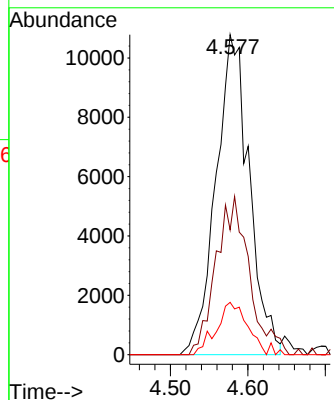
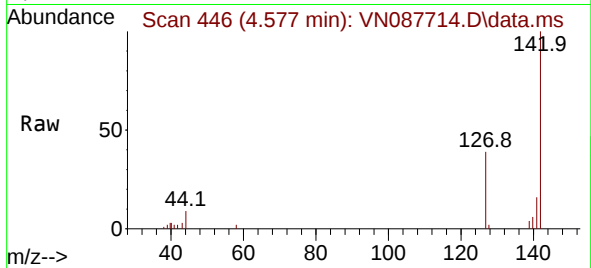




#11
Methyl Iodide
Concen: 15.448 ug/l
RT: 4.577 min Scan# 448
Delta R.T. -0.012 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

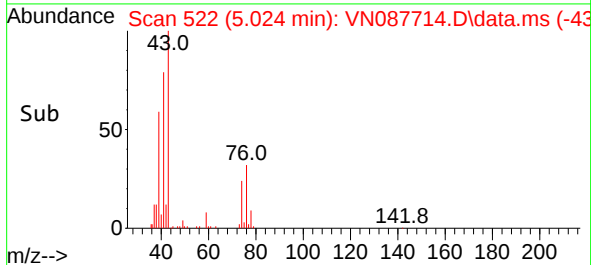
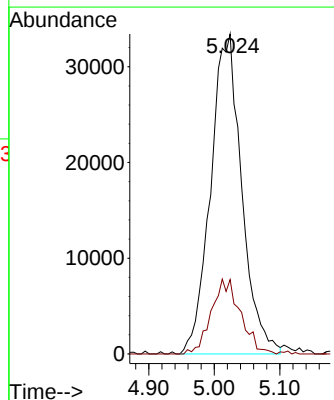
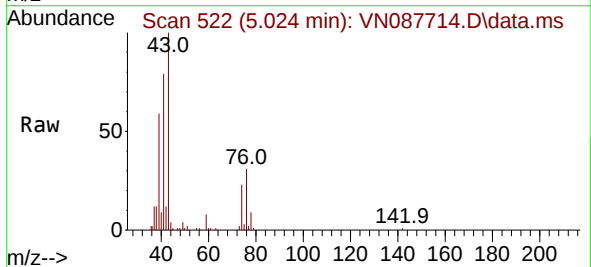
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

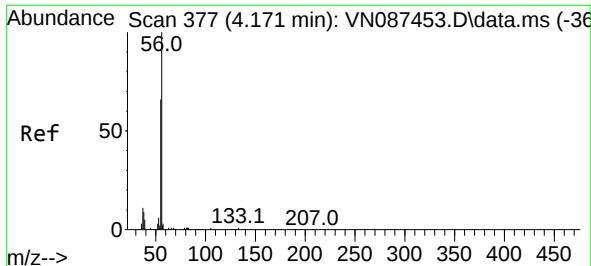
Tgt Ion:142 Resp: 32210
Ion Ratio Lower Upper
142 100
127 37.1 22.9 68.7
141 15.8 7.7 23.1



#12
Methyl Acetate
Concen: 22.519 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 43 Resp: 110045
Ion Ratio Lower Upper
43 100
74 23.1 16.0 24.0

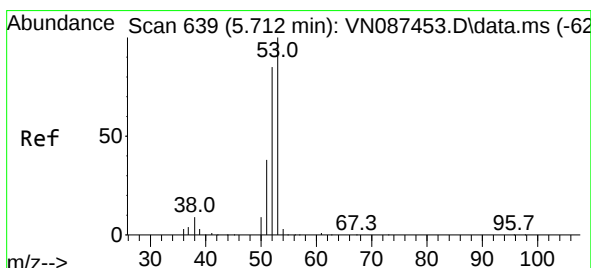
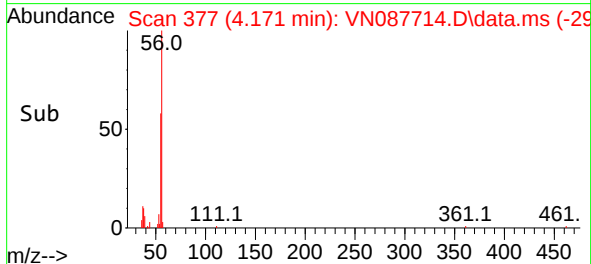
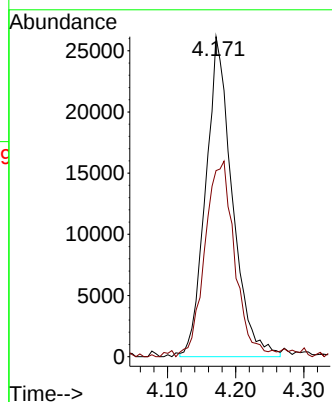
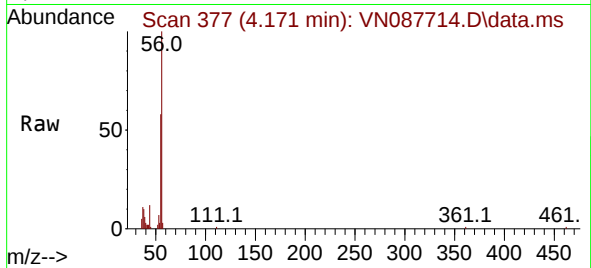




#13
Acrolein
Concen: 95.068 ug/l
RT: 4.171 min Scan# 377
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

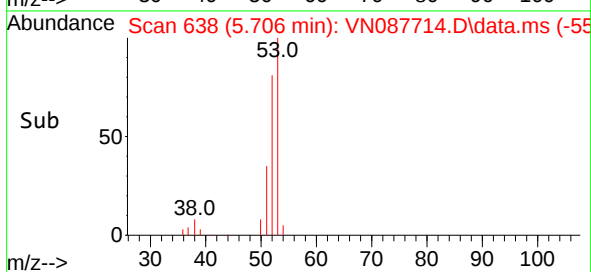
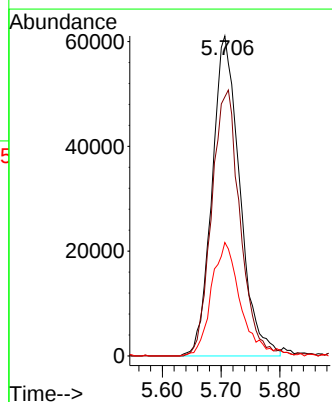
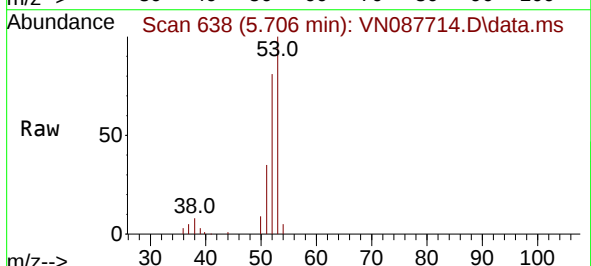
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 56 Resp: 70956
Ion Ratio Lower Upper
56 100
55 67.9 57.4 86.0



#14
Acrylonitrile
Concen: 93.724 ug/l
RT: 5.706 min Scan# 638
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 53 Resp: 199993
Ion Ratio Lower Upper
53 100
52 84.6 42.4 127.2
51 36.6 18.5 55.5

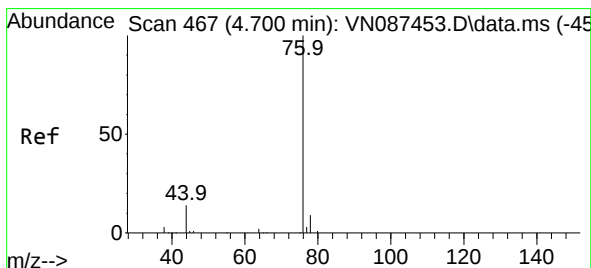
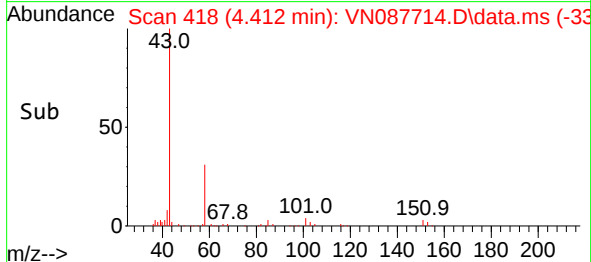
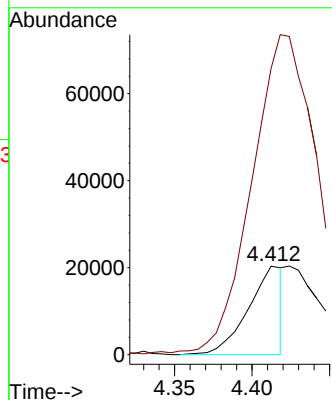
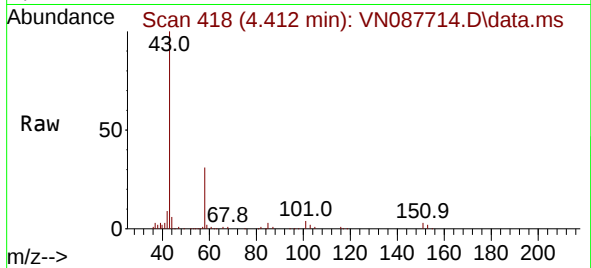




#15
Acetone
Concen: 51.398 ug/l
RT: 4.412 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

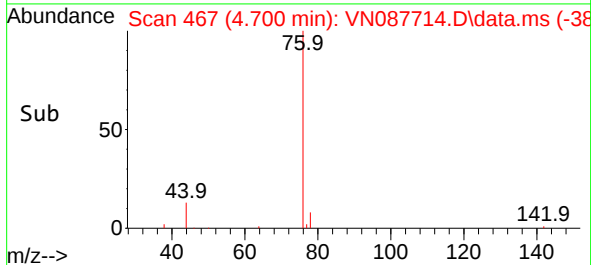
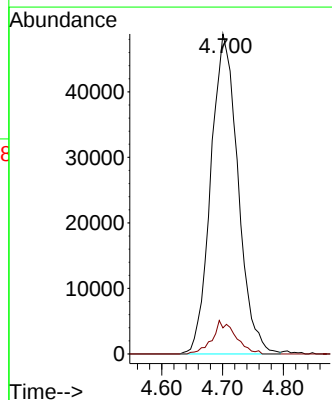
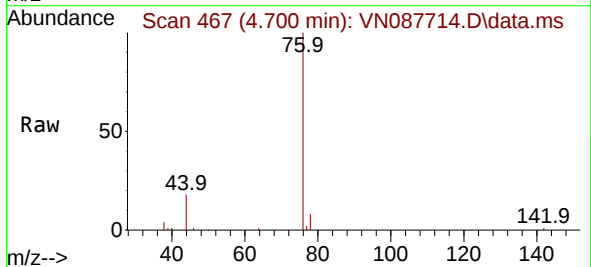
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 58 Resp: 31337
Ion Ratio Lower Upper
58 100
43 319.7 268.9 403.3



#16
Carbon Disulfide
Concen: 18.410 ug/l
RT: 4.700 min Scan# 467
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 76 Resp: 151225
Ion Ratio Lower Upper
76 100
78 8.1 7.1 10.7

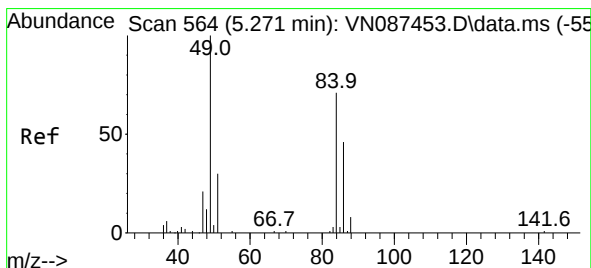
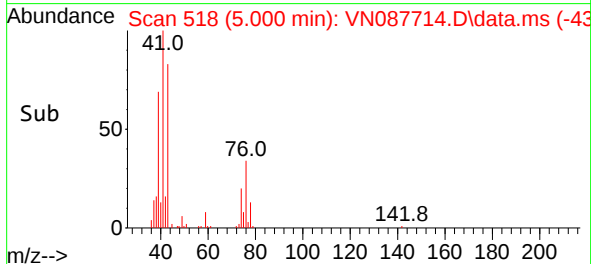
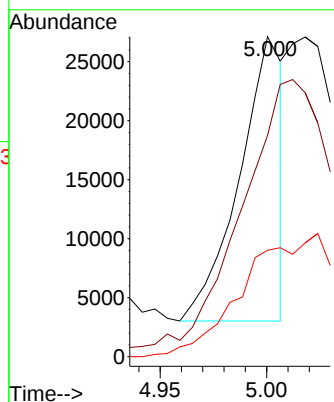
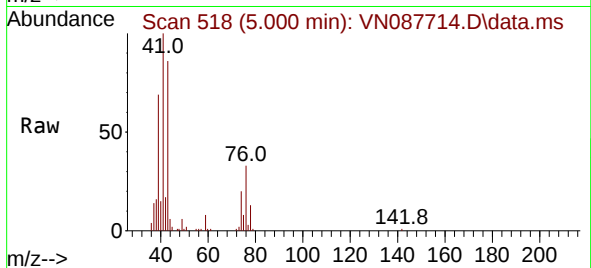




#17
 Allyl chloride
 Concen: 6.344 ug/l
 RT: 5.000 min Scan# 51
 Delta R.T. -0.012 min
 Lab File: VN087714.D
 Acq: 04 Sep 2025 10:54

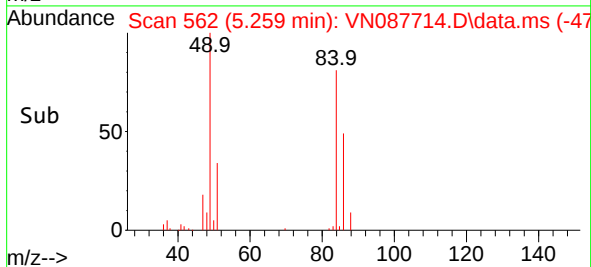
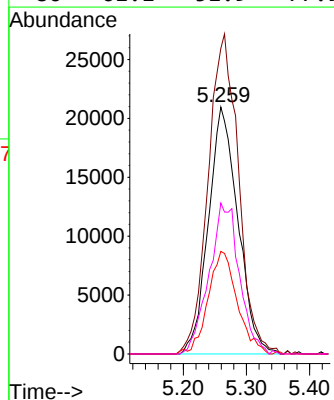
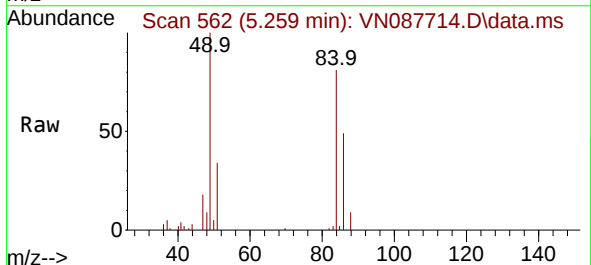
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

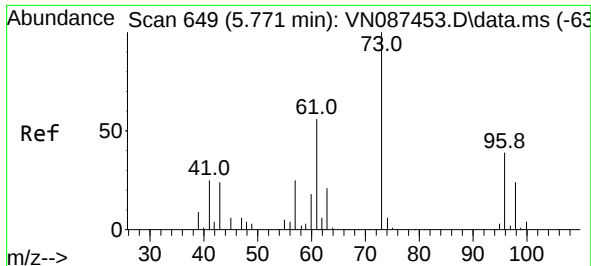
Tgt Ion: 41 Resp: 34239
 Ion Ratio Lower Upper
 41 100
 39 72.1 42.4 127.2
 76 34.0 16.9 50.6



#18
 Methylene Chloride
 Concen: 19.962 ug/l
 RT: 5.259 min Scan# 562
 Delta R.T. -0.012 min
 Lab File: VN087714.D
 Acq: 04 Sep 2025 10:54

Tgt Ion: 84 Resp: 68053
 Ion Ratio Lower Upper
 84 100
 49 123.8 112.9 169.3
 51 40.8 33.8 50.8
 86 61.1 51.9 77.9

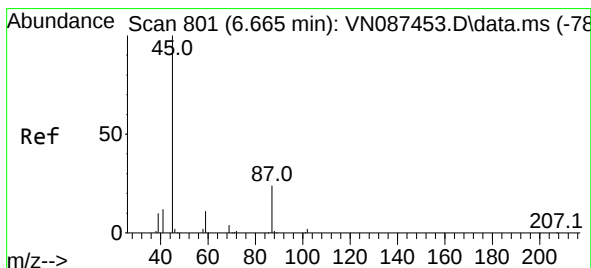
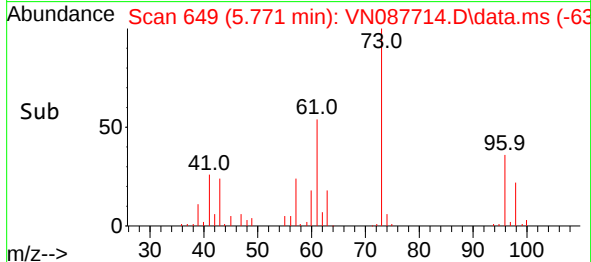
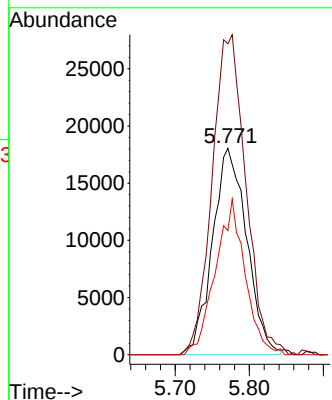
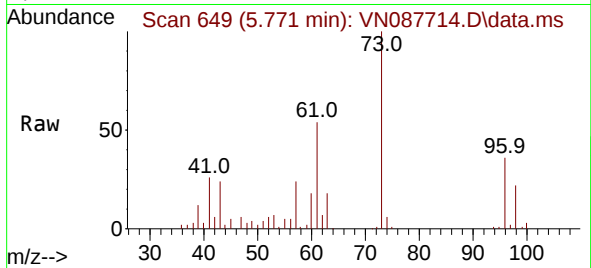




#19
trans-1,2-Dichloroethene
Concen: 18.378 ug/l
RT: 5.771 min Scan# 649
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

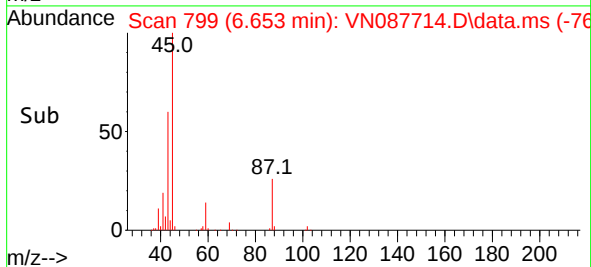
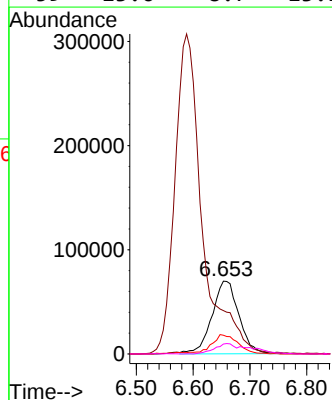
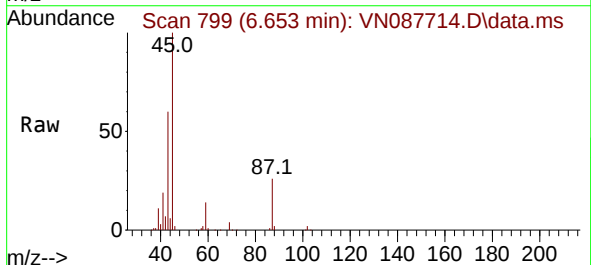
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 96 Resp: 57873
Ion Ratio Lower Upper
96 100
61 150.7 114.2 171.4
98 60.2 48.7 73.1



#20
Diisopropyl ether
Concen: 18.574 ug/l
RT: 6.653 min Scan# 799
Delta R.T. -0.012 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 45 Resp: 228386
Ion Ratio Lower Upper
45 100
43 57.9 44.7 67.1
87 25.9 20.2 30.2
59 13.6 8.7 13.1

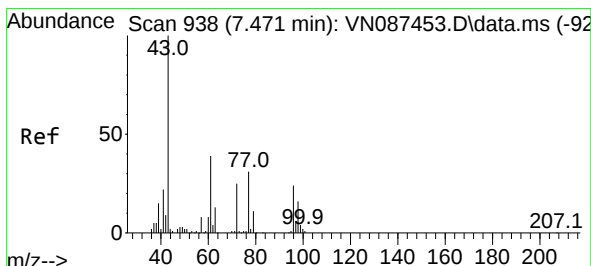
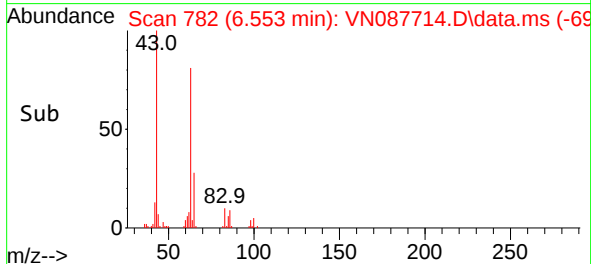
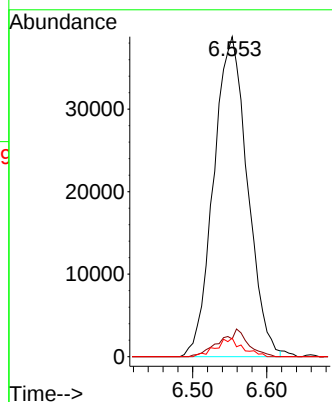
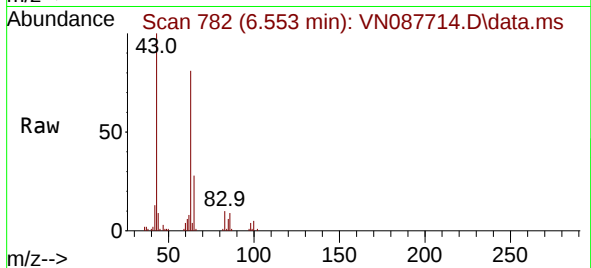




#21
1,1-Dichloroethane
Concen: 19.385 ug/l
RT: 6.553 min Scan# 714
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

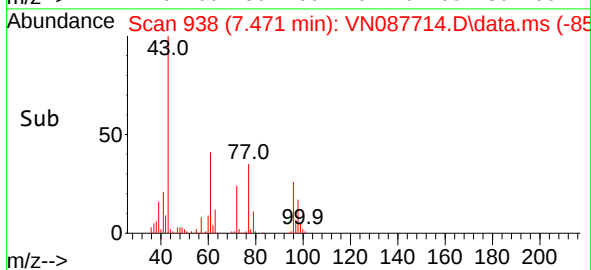
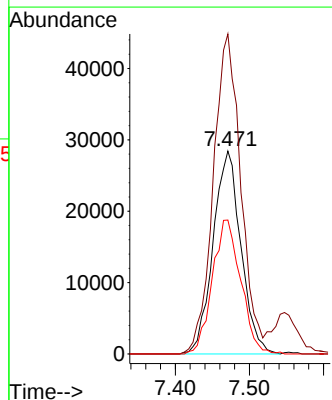
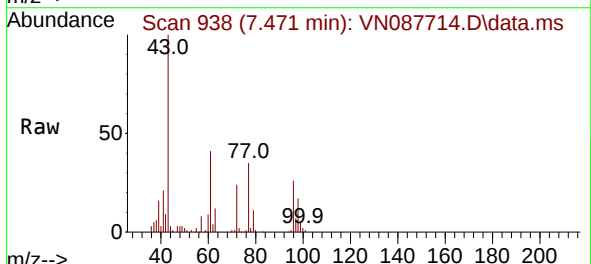
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 63 Resp: 123208
Ion Ratio Lower Upper
63 100
98 5.5 3.0 9.0
100 5.8 1.9 5.7#



#22
cis-1,2-Dichloroethene
Concen: 19.126 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 96 Resp: 74107
Ion Ratio Lower Upper
96 100
61 155.7 126.6 190.0
98 67.2 50.9 76.3

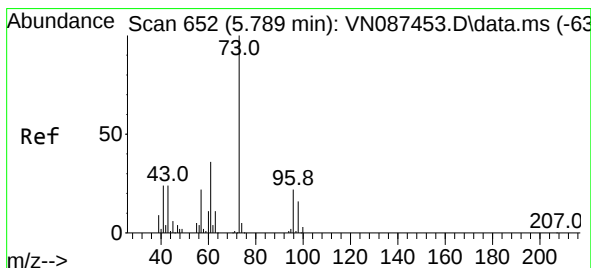
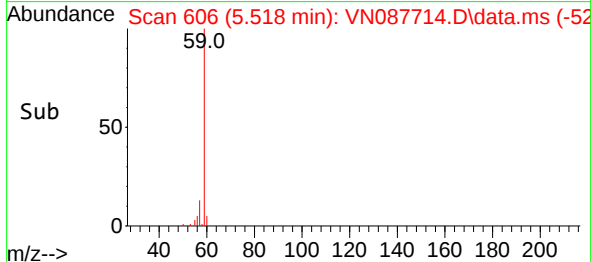
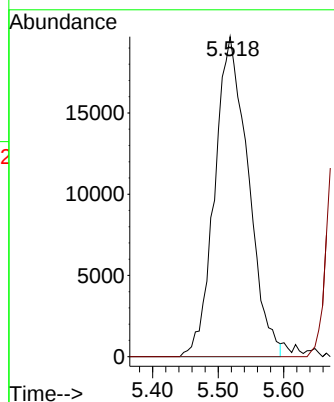
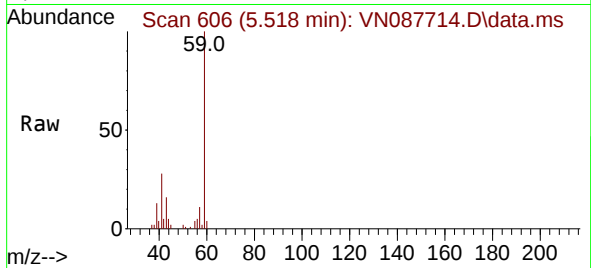




#23
tert-Butyl Alcohol
Concen: 77.117 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

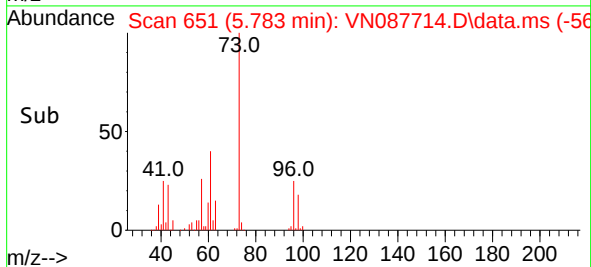
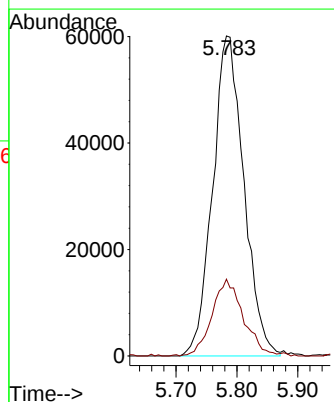
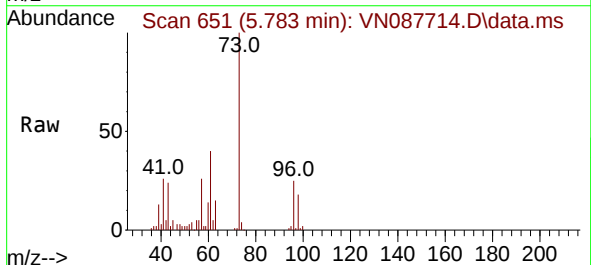
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

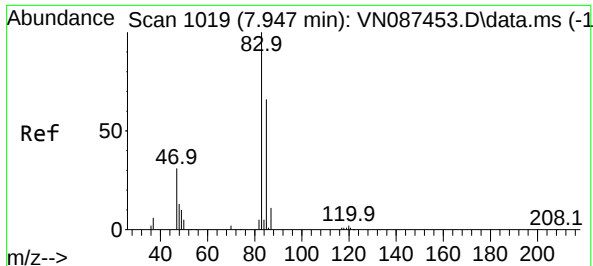
Tgt Ion: 59 Resp: 69925
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 17.719 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 73 Resp: 213810
Ion Ratio Lower Upper
73 100
43 24.0 19.9 29.9

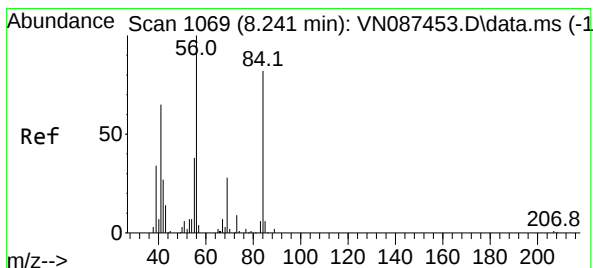
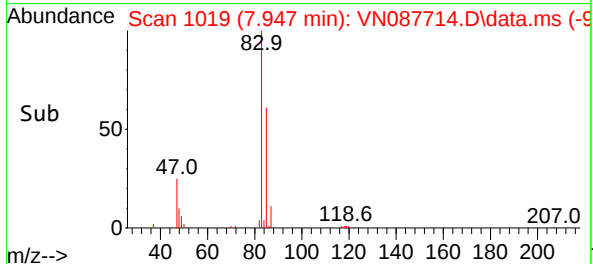
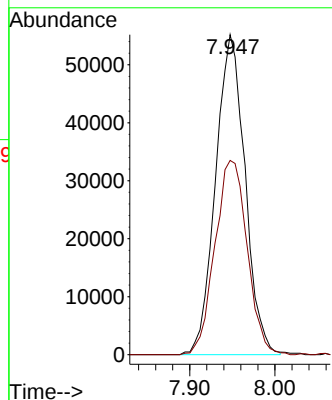
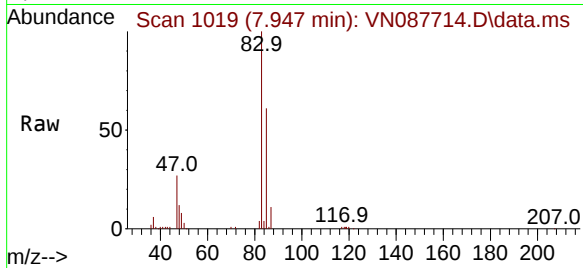




#25
Chloroform
Concen: 19.968 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

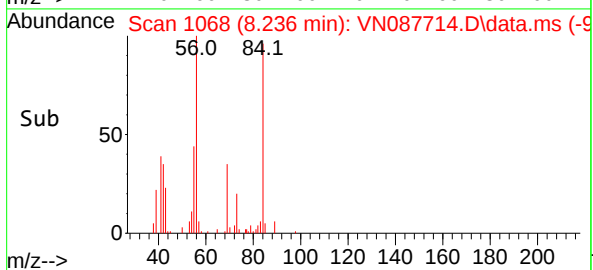
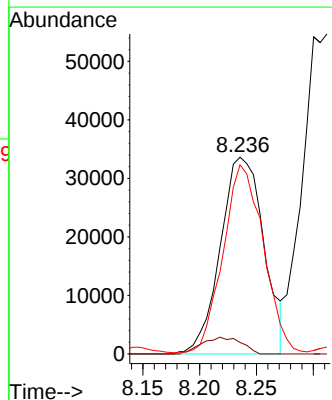
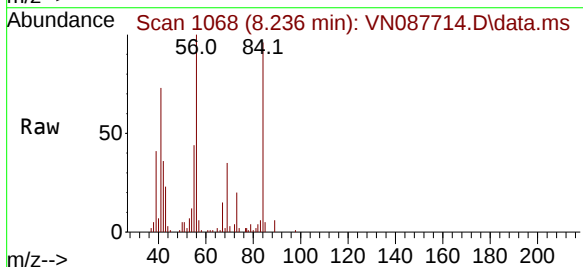
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

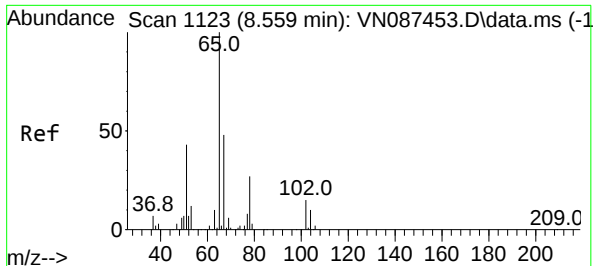
Tgt Ion: 83 Resp: 132472
Ion Ratio Lower Upper
83 100
85 60.7 52.6 78.8



#26
Cyclohexane
Concen: 17.583 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 56 Resp: 89474
Ion Ratio Lower Upper
56 100
89 7.9 2.3 3.5#
84 89.6 67.0 100.4





#27

1,2-Dichloroethane-d4

Concen: 27.933 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

Instrument :

MSVOA_N

ClientSampleId :

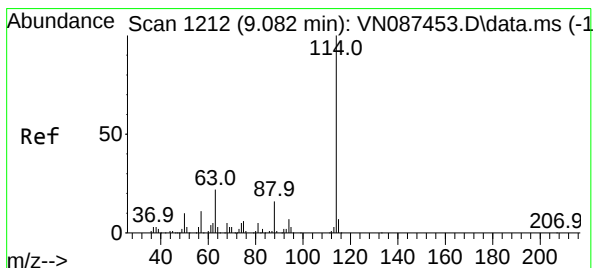
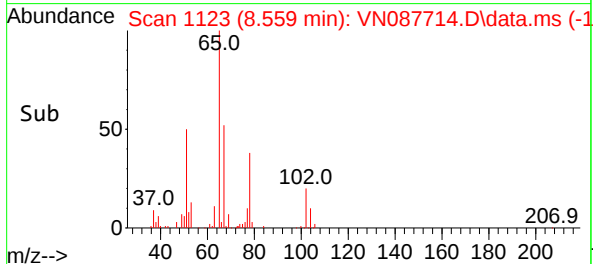
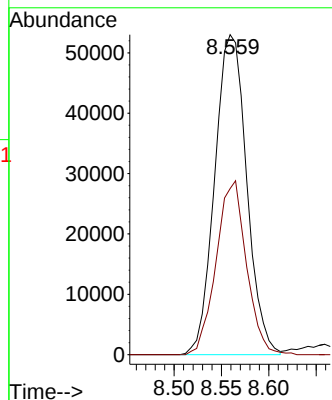
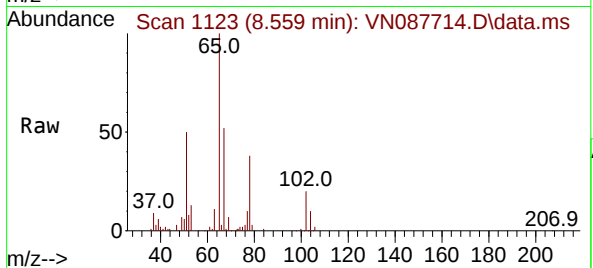
VSTDCCC020

Tgt Ion: 65 Resp: 124569

Ion Ratio Lower Upper

65 100

67 51.4 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

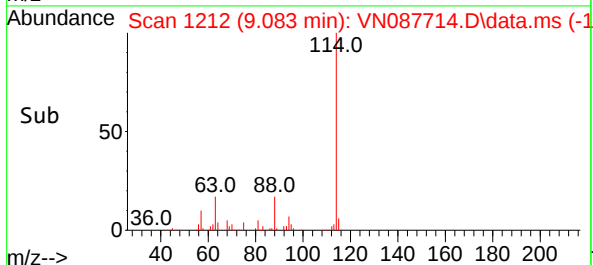
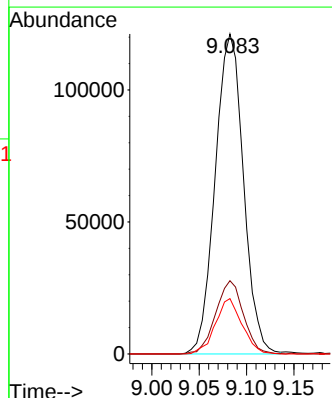
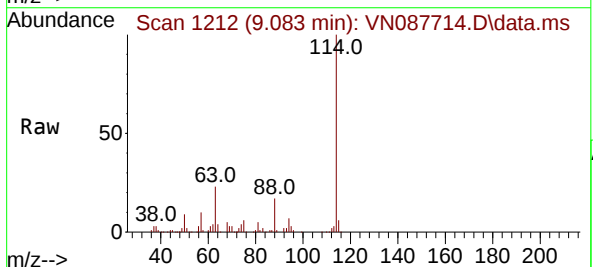
Tgt Ion: 114 Resp: 251837

Ion Ratio Lower Upper

114 100

63 22.5 18.9 28.3

88 16.3 13.1 19.7

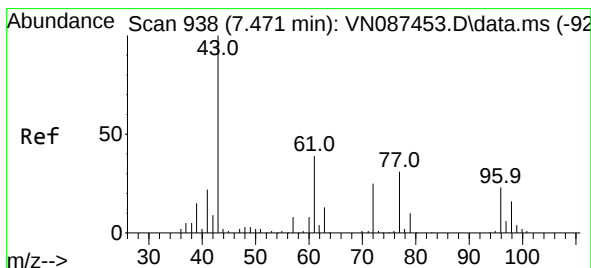
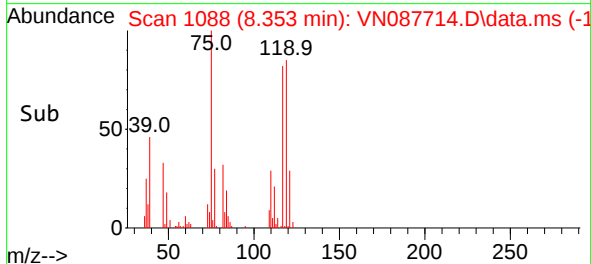
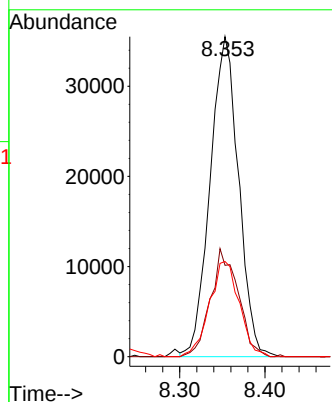
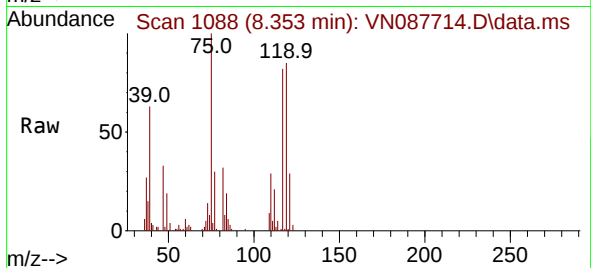




#29
1,1-Dichloropropene
Concen: 20.075 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

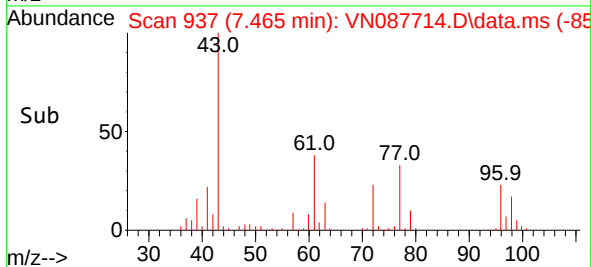
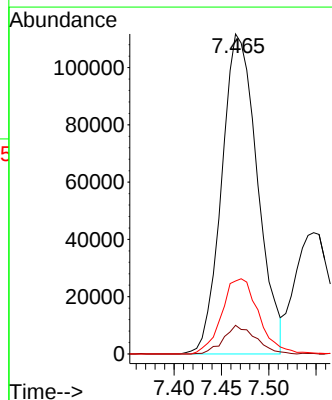
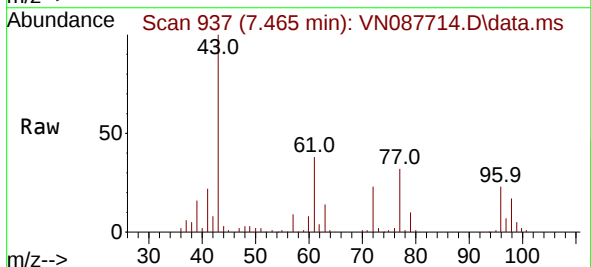
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

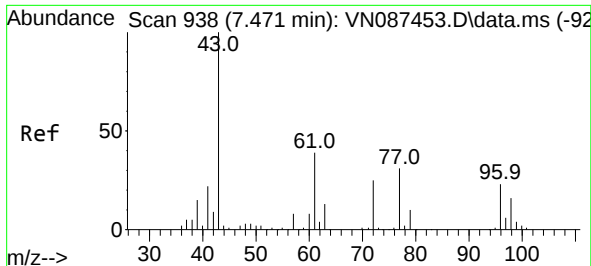
Tgt Ion: 75 Resp: 82459
Ion Ratio Lower Upper
75 100
110 32.8 0.0 65.8
77 31.2 0.0 63.6



#30
2-Butanone
Concen: 96.824 ug/l
RT: 7.465 min Scan# 937
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 43 Resp: 293154
Ion Ratio Lower Upper
43 100
57 8.1 6.6 9.8
72 24.2 19.7 29.5

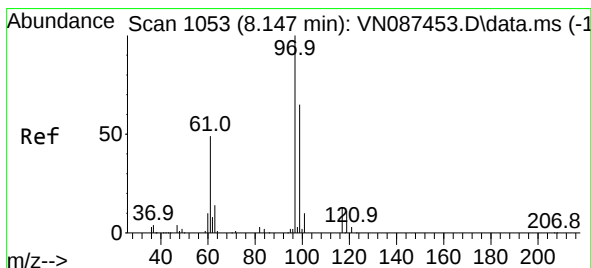
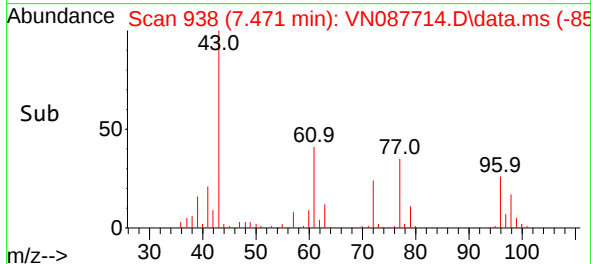
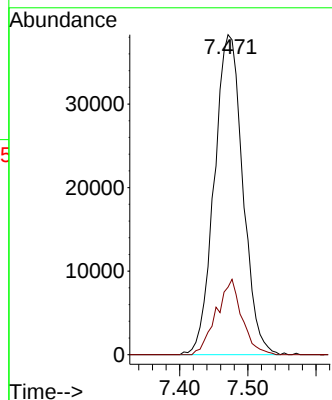
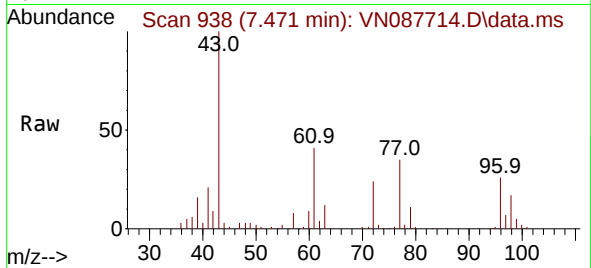




#31
2,2-Dichloropropane
Concen: 21.065 ug/l
RT: 7.471 min Scan# 911
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

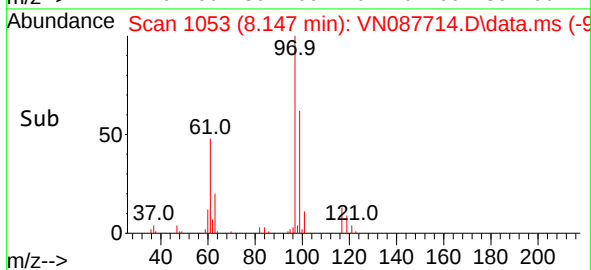
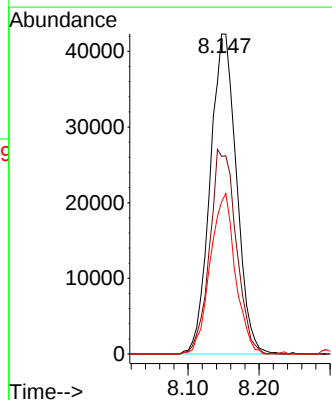
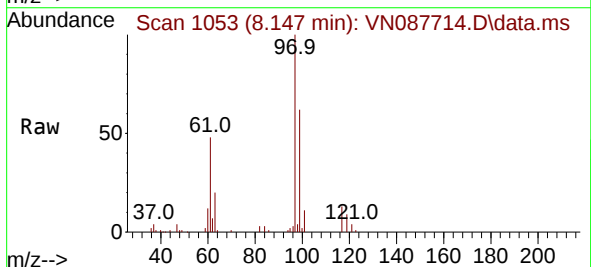
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 77 Resp: 111592
Ion Ratio Lower Upper
77 100
97 21.1 16.7 25.1



#32
1,1,1-Trichloroethane
Concen: 20.808 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 97 Resp: 109005
Ion Ratio Lower Upper
97 100
99 64.0 53.0 79.6
61 47.8 40.6 61.0

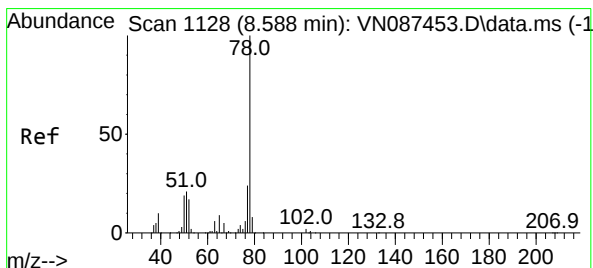
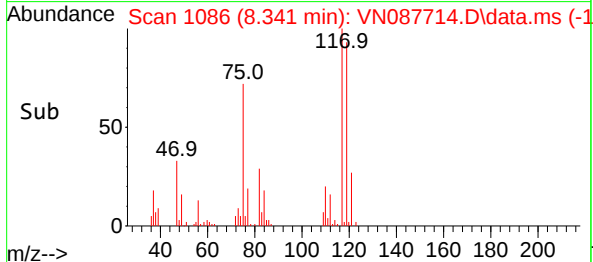
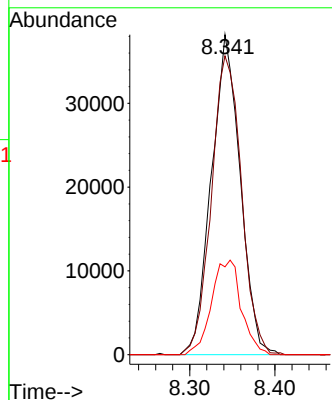
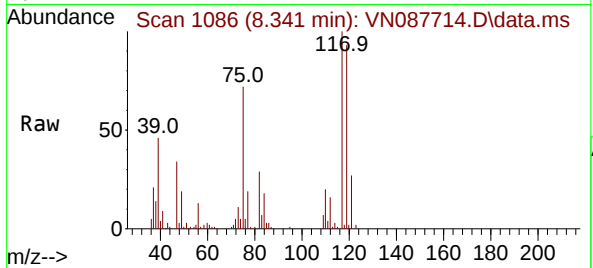




#33
Carbon Tetrachloride
Concen: 20.620 ug/l
RT: 8.341 min Scan# 1086
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

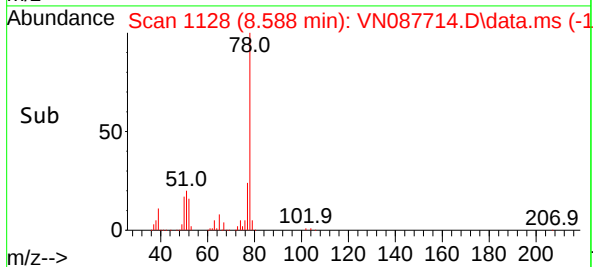
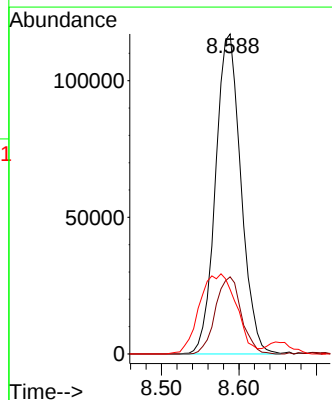
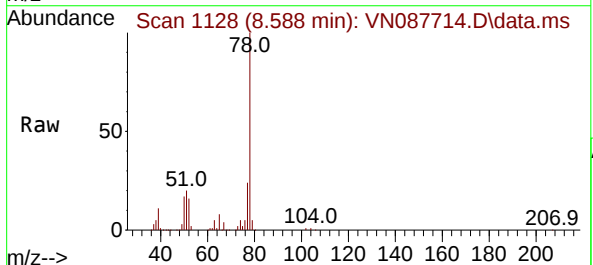
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

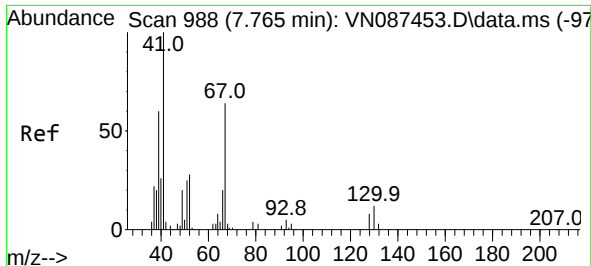
Tgt Ion:117 Resp: 89740
Ion Ratio Lower Upper
117 100
119 93.3 73.4 110.0
121 27.4 21.1 31.7



#34
Benzene
Concen: 20.573 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 78 Resp: 266751
Ion Ratio Lower Upper
78 100
77 24.1 19.2 28.8
51 19.5 16.9 25.3

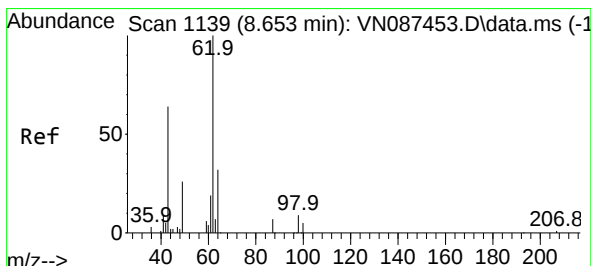
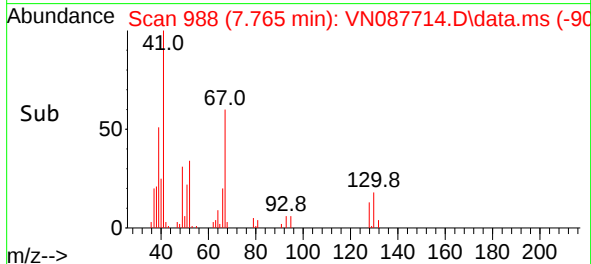
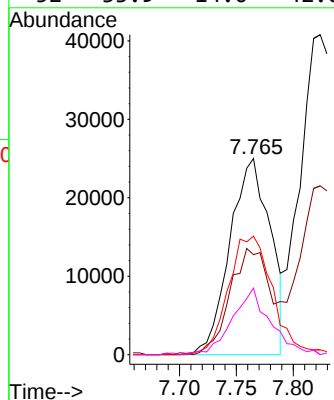
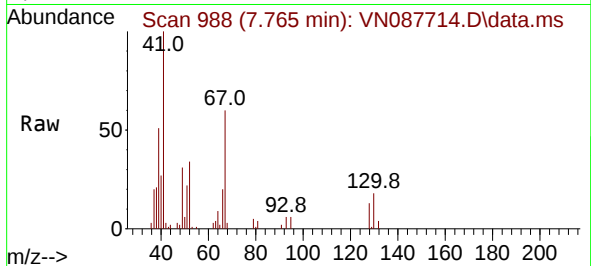




#35
Methacrylonitrile
Concen: 18.966 ug/l
RT: 7.765 min Scan# 918
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

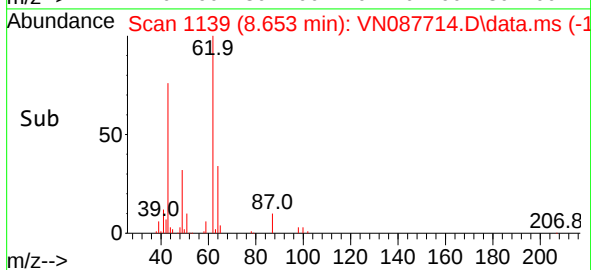
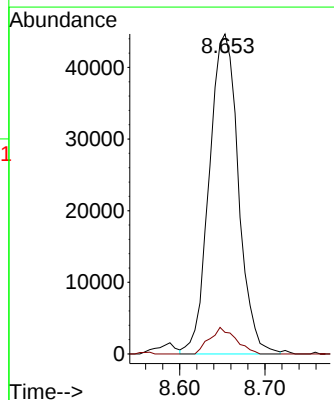
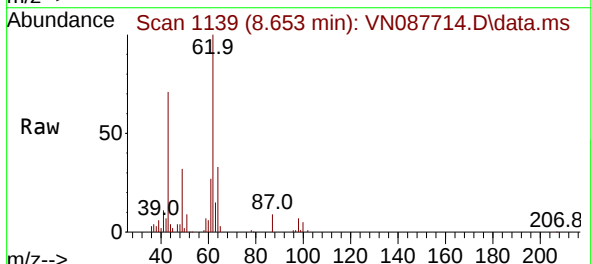
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	61968
Ion	Ratio	Lower	Upper
41	100		
39	50.0	30.1	90.5
67	60.5	32.0	96.2
52	33.9	14.0	42.0



#36
1,2-Dichloroethane
Concen: 20.317 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion:	62	Resp:	106474
Ion	Ratio	Lower	Upper
62	100		
98	7.4	6.6	9.8





#37

Trichloroethene

Concen: 20.772 ug/l

RT: 9.335 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

Instrument :

MSVOA_N

ClientSampleId :

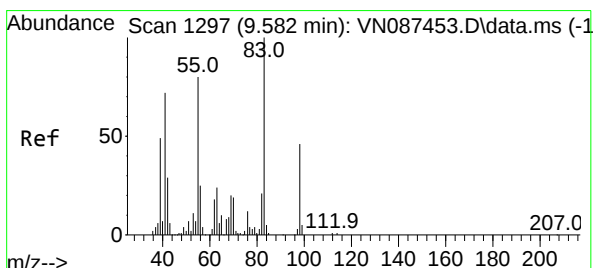
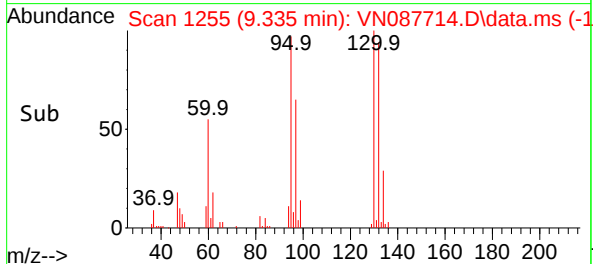
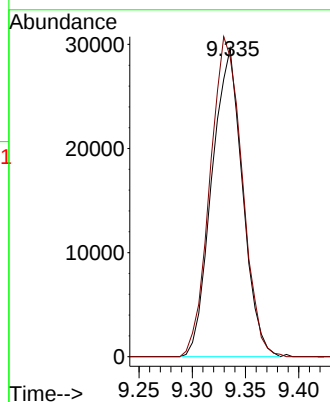
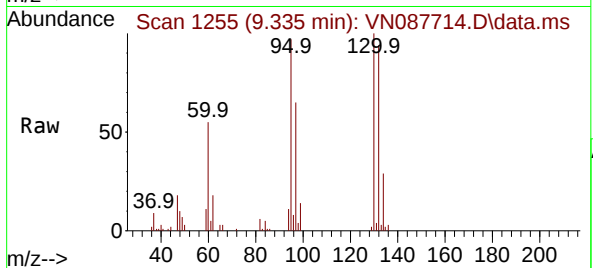
VSTDCCC020

Tgt Ion:130 Resp: 59328

Ion Ratio Lower Upper

130 100

95 97.4 91.4 137.2



#38

Methylcyclohexane

Concen: 18.183 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

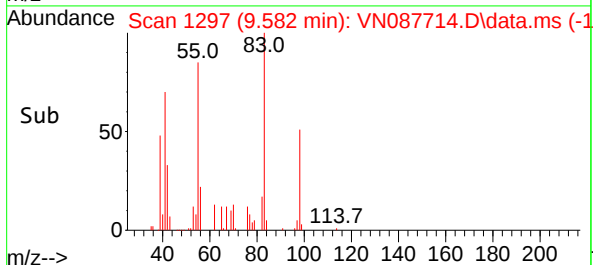
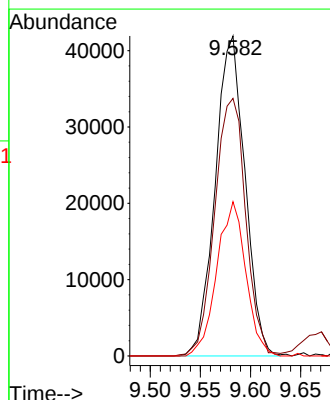
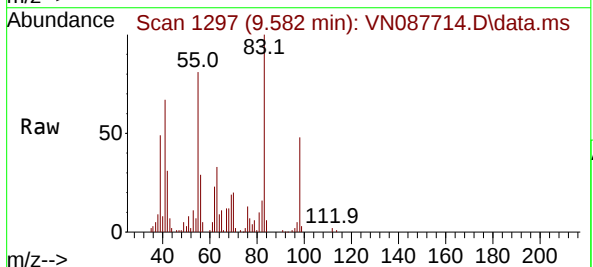
Tgt Ion: 83 Resp: 86646

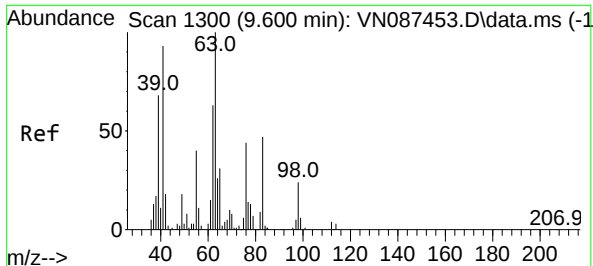
Ion Ratio Lower Upper

83 100

55 83.5 41.2 123.6

98 46.9 23.3 69.9

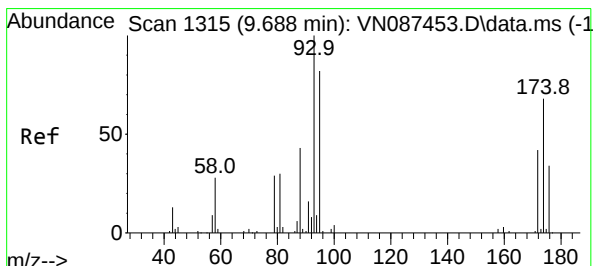
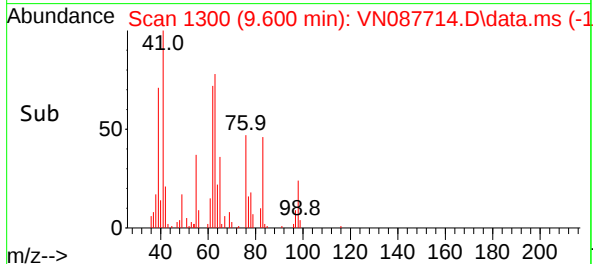
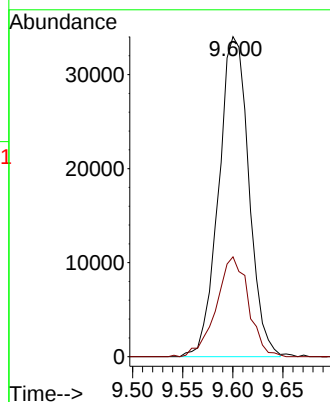
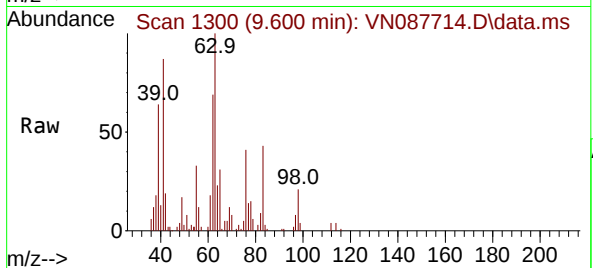




#39
1,2-Dichloropropane
Concen: 21.436 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

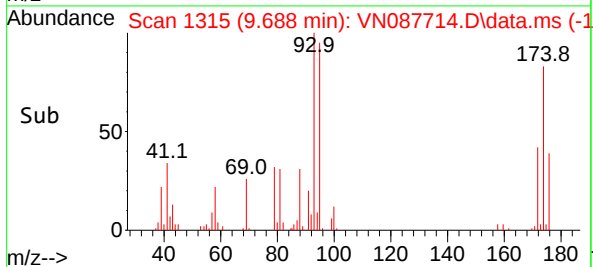
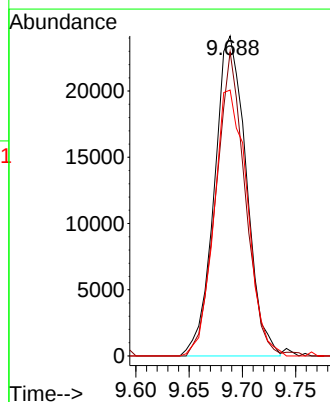
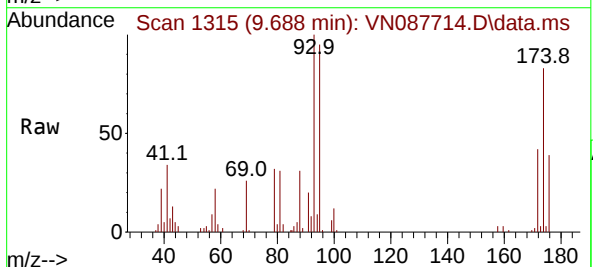
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

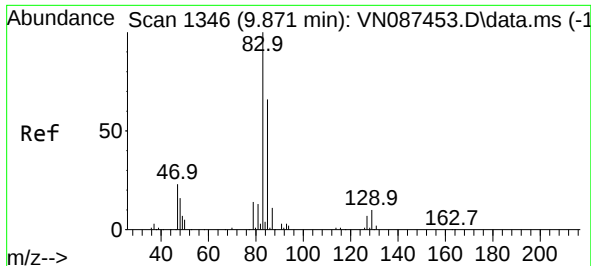
Tgt Ion: 63 Resp: 71262
Ion Ratio Lower Upper
63 100
65 31.2 24.6 36.8



#40
Dibromomethane
Concen: 20.170 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 93 Resp: 50310
Ion Ratio Lower Upper
93 100
95 86.8 0.0 161.6
174 86.3 0.0 151.4

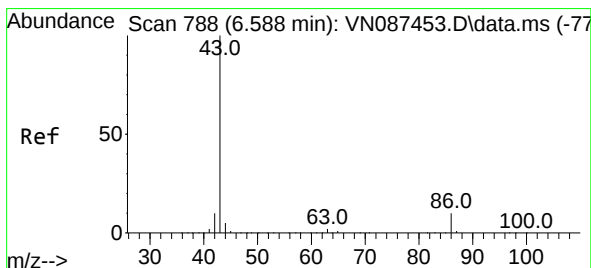
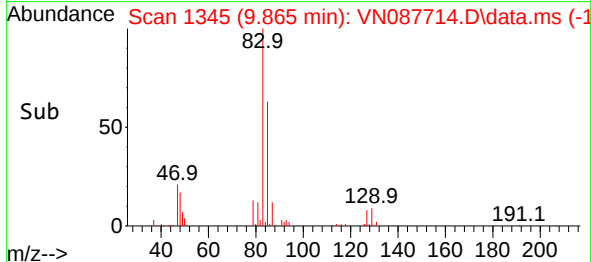
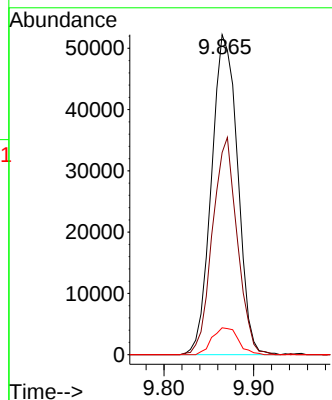
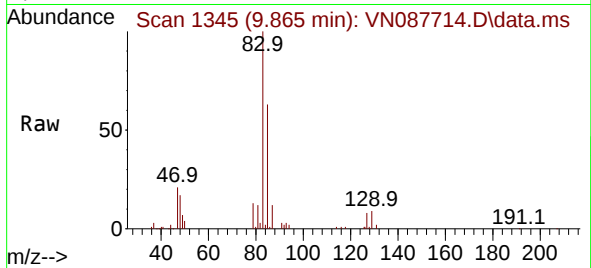




#41
Bromodichloromethane
Concen: 20.422 ug/l
RT: 9.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

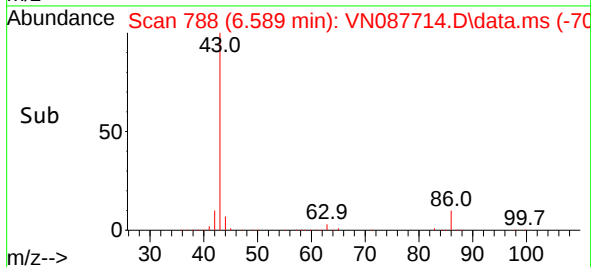
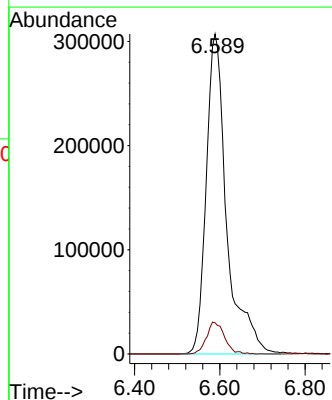
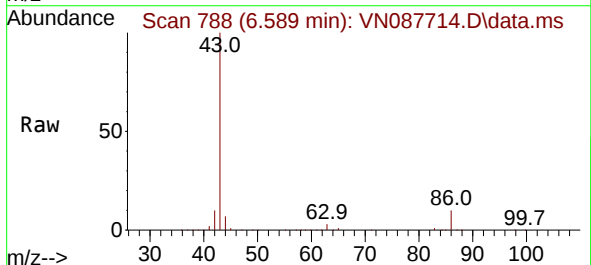
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

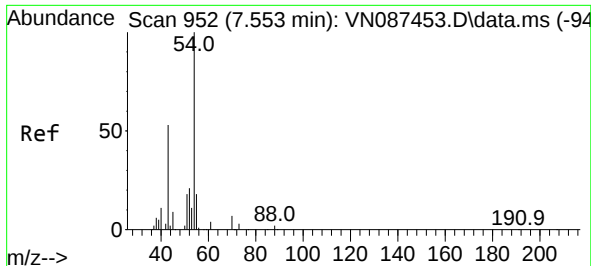
Tgt Ion: 83 Resp: 105844
Ion Ratio Lower Upper
83 100
85 63.2 52.9 79.3
127 8.4 5.8 8.6



#42
Vinyl Acetate
Concen: 102.828 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 43 Resp: 1025271
Ion Ratio Lower Upper
43 100
86 8.5 7.3 10.9

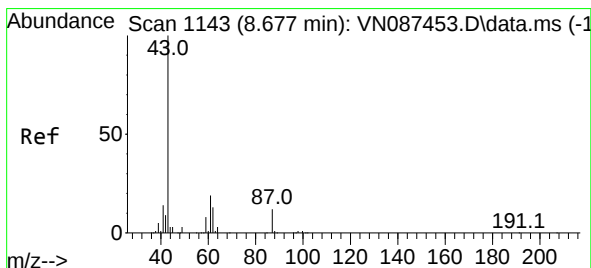
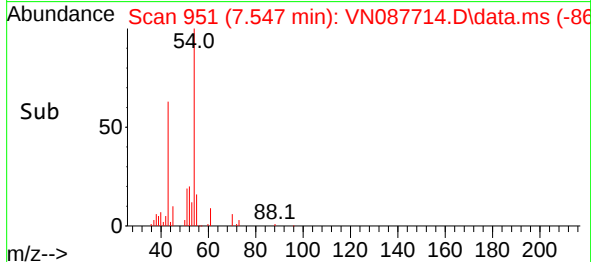
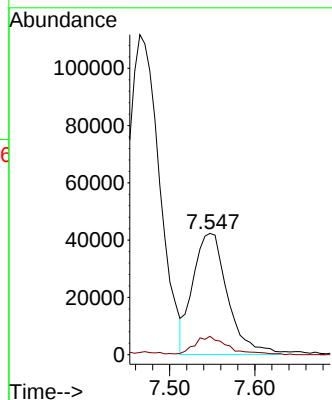
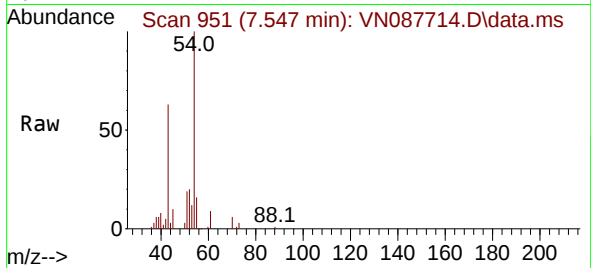




#43
Ethyl Acetate
Concen: 20.443 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

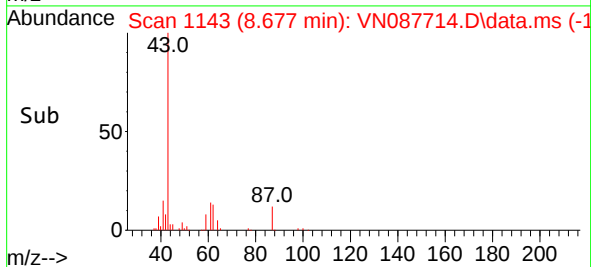
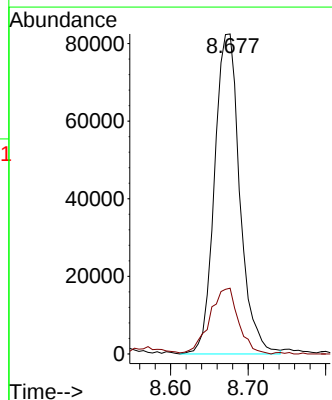
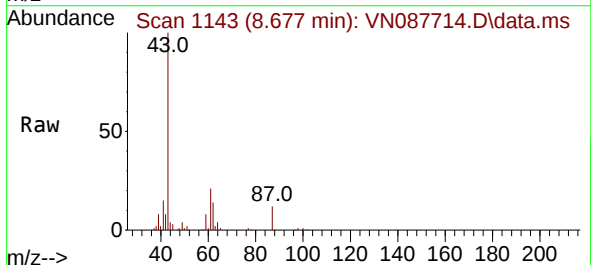
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

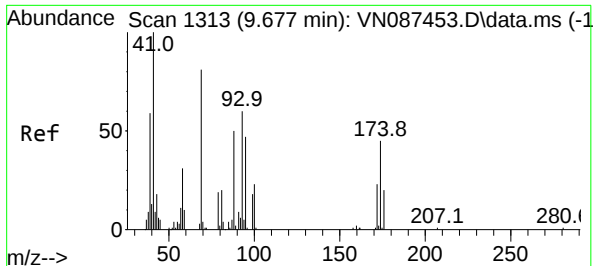
Tgt Ion: 43 Resp: 119575
Ion Ratio Lower Upper
43 100
45 11.5 11.1 16.7



#44
Isopropyl Acetate
Concen: 18.837 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 43 Resp: 186772
Ion Ratio Lower Upper
43 100
61 23.4 18.6 28.0





#45

1,4-Dioxane

Concen: 321.735 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.006 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

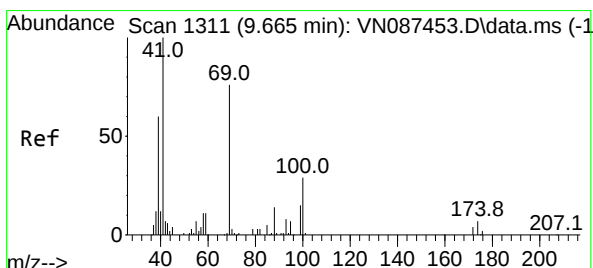
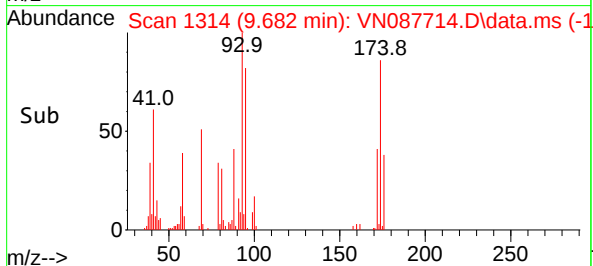
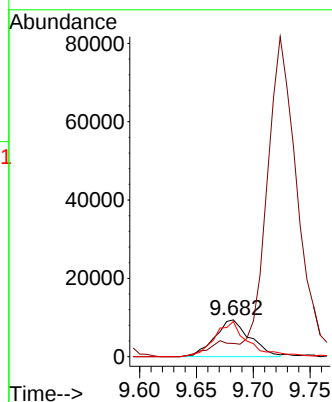
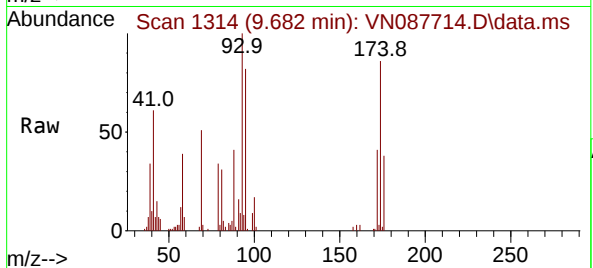
Tgt Ion: 88 Resp: 20336

Ion Ratio Lower Upper

88 100

43 36.7 24.1 36.1#

58 83.4 57.2 85.8



#46

Methyl methacrylate

Concen: 18.523 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. 0.000 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

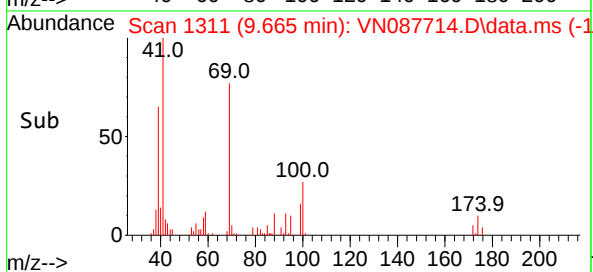
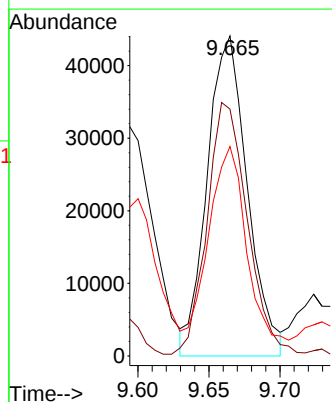
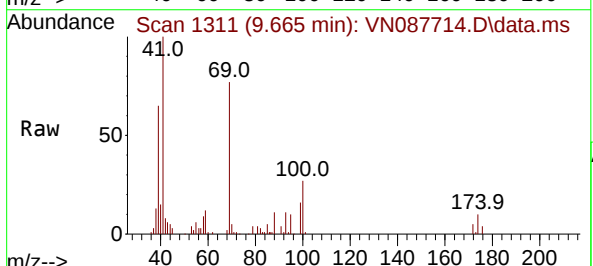
Tgt Ion: 41 Resp: 86691

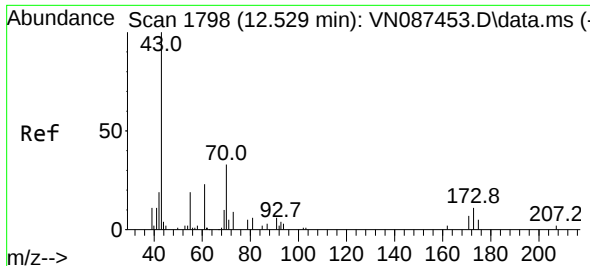
Ion Ratio Lower Upper

41 100

69 80.6 37.1 111.5

39 63.8 30.7 92.1





#47

n-amy1 Acetate

Concen: 1.812 ug/l

RT: 12.523 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

Instrument :

MSVOA_N

ClientSampleId :

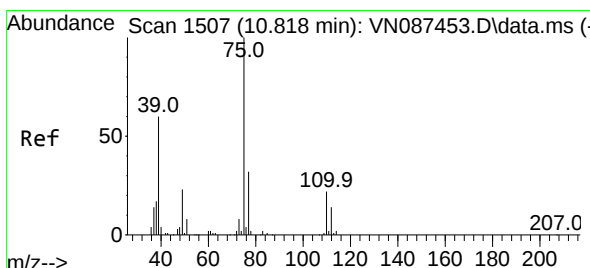
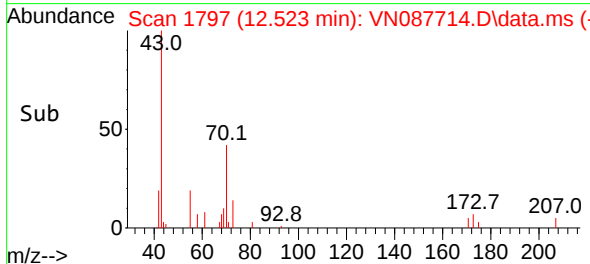
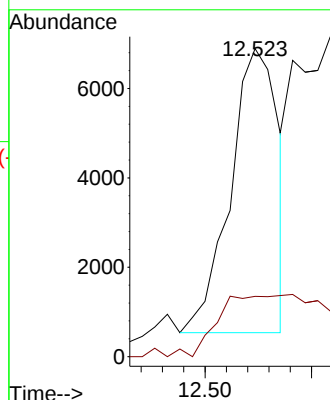
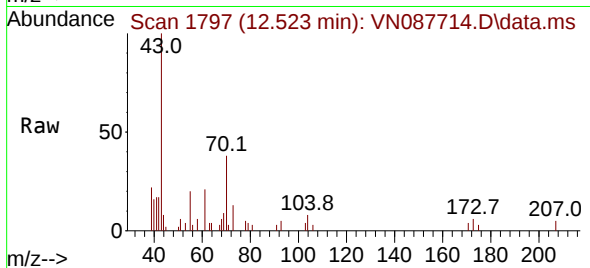
VSTDCCC020

Tgt Ion: 43 Resp: 9924

Ion Ratio Lower Upper

43 100

55 13.9 4.6 6.8#



#48

t-1,3-Dichloropropene

Concen: 19.505 ug/l

RT: 10.818 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VN087714.D

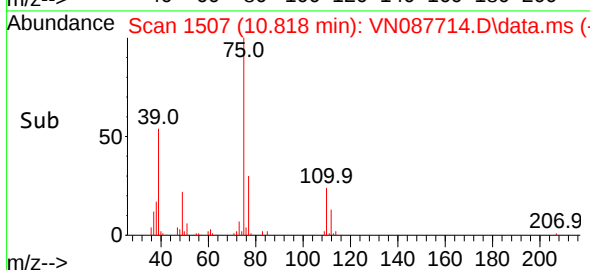
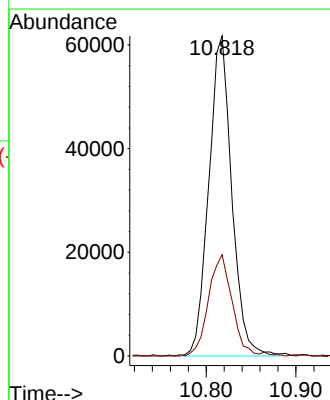
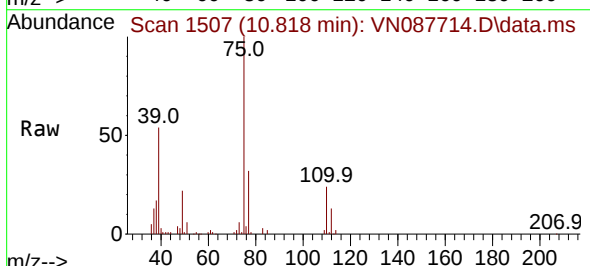
Acq: 04 Sep 2025 10:54

Tgt Ion: 75 Resp: 109981

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9





#49

cis-1,3-Dichloropropene

Concen: 20.087 ug/l

RT: 10.288 min Scan# 1417

Delta R.T. -0.006 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

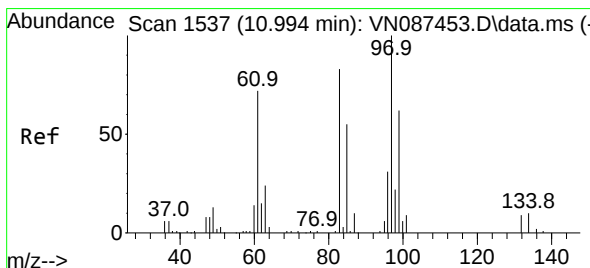
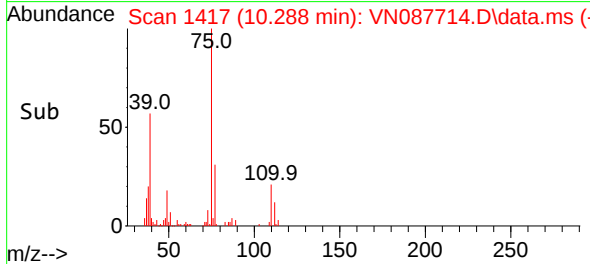
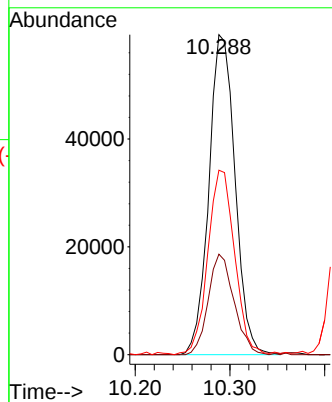
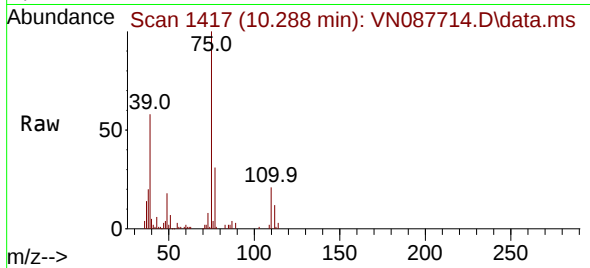
Tgt Ion: 75 Resp: 113989

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8

39 57.2 51.5 77.3



#50

1,1,2-Trichloroethane

Concen: 22.082 ug/l

RT: 10.994 min Scan# 1537

Delta R.T. 0.000 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

Tgt Ion: 97 Resp: 69590

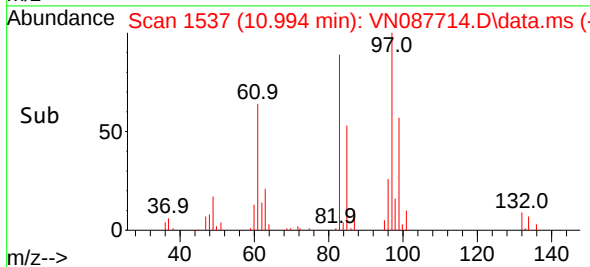
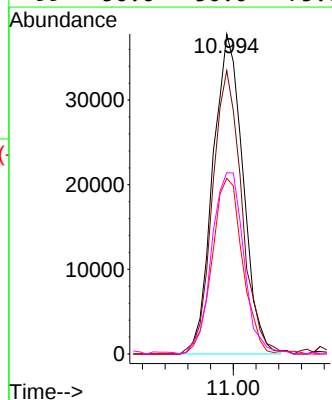
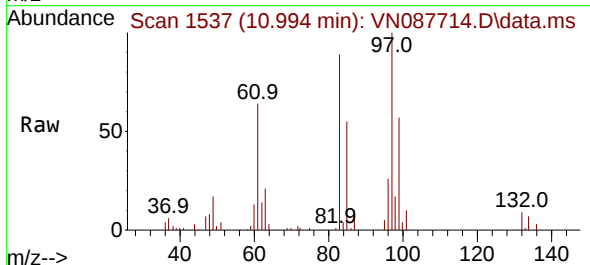
Ion Ratio Lower Upper

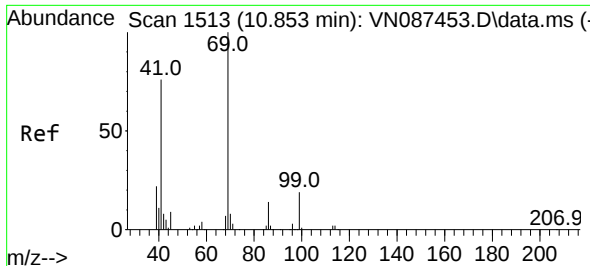
97 100

83 88.6 66.2 99.2

85 54.9 43.9 65.9

99 56.6 50.0 75.0

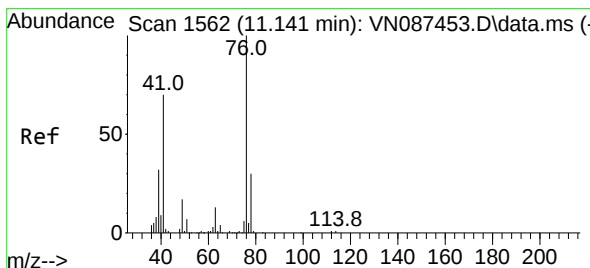
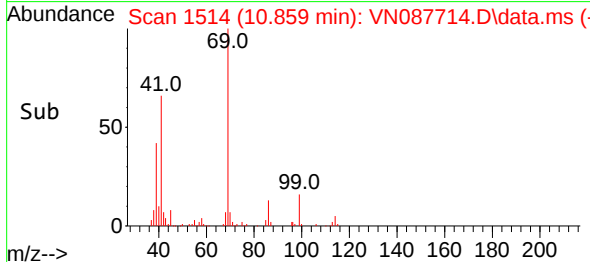
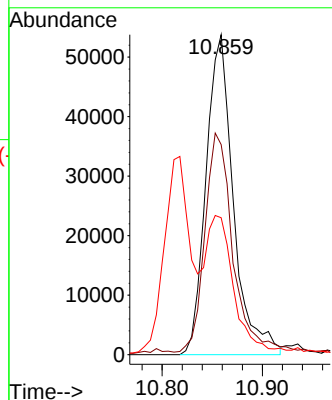
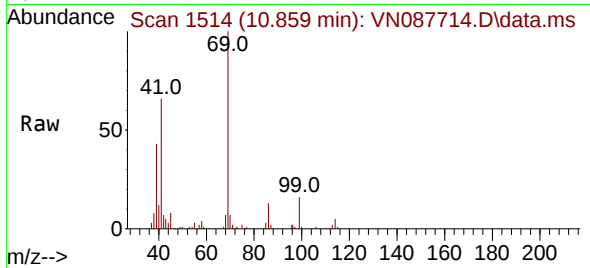




#51
Ethyl methacrylate
Concen: 18.444 ug/l
RT: 10.859 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

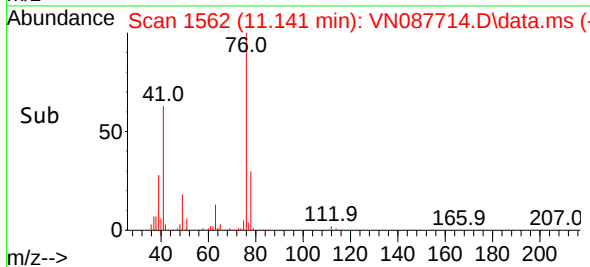
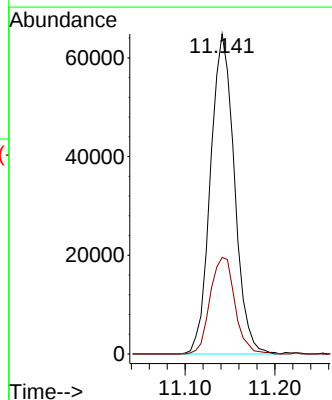
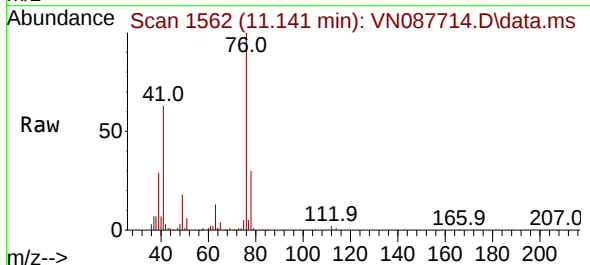
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 69 Resp: 102364
Ion Ratio Lower Upper
69 100
41 64.6 38.0 114.1
39 40.8 23.2 69.5



#52
1,3-Dichloropropane
Concen: 21.132 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 76 Resp: 119980
Ion Ratio Lower Upper
76 100
78 31.2 0.0 63.0

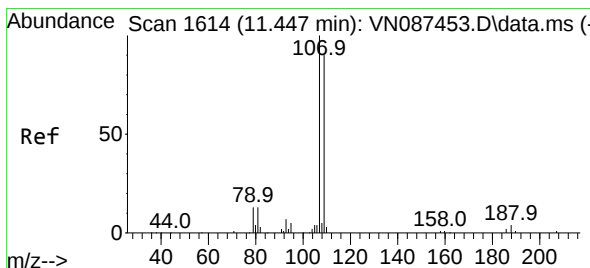
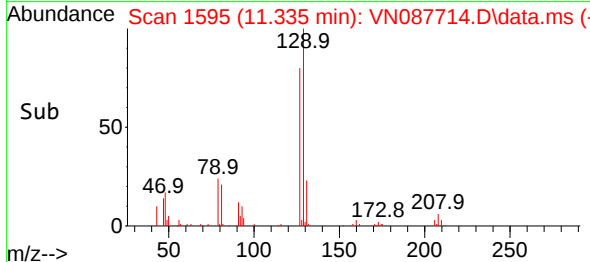
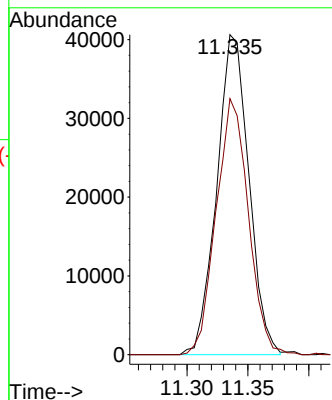
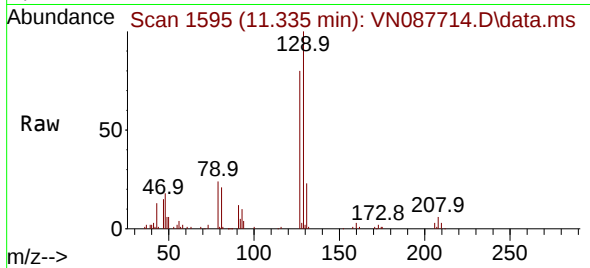




#53
Dibromochloromethane
Concen: 20.469 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

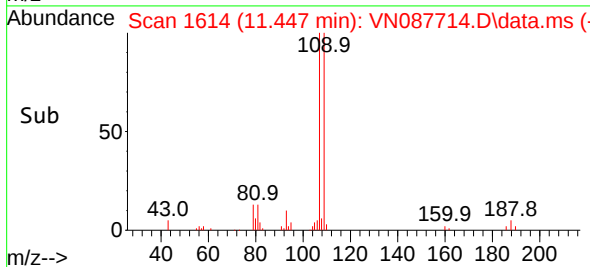
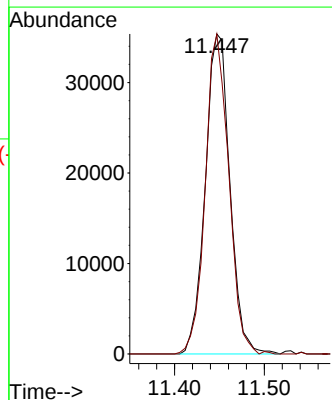
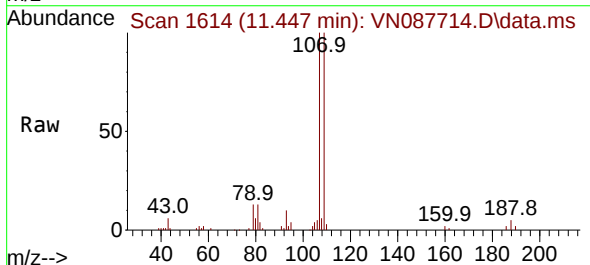
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

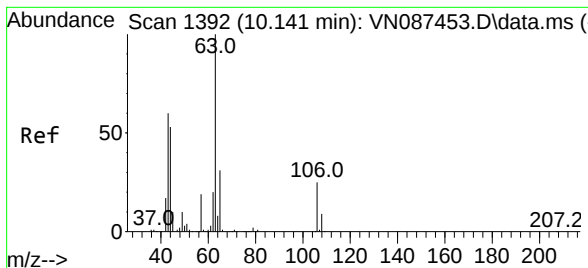
Tgt Ion:129 Resp: 74495
Ion Ratio Lower Upper
129 100
127 80.3 39.1 117.3



#54
1,2-Dibromoethane
Concen: 20.155 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion:107 Resp: 67426
Ion Ratio Lower Upper
107 100
109 95.0 74.2 111.4

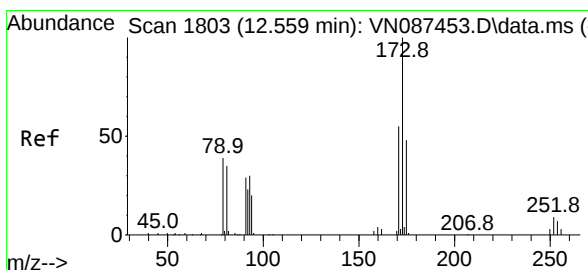
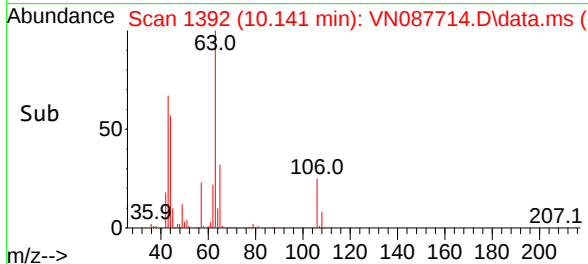
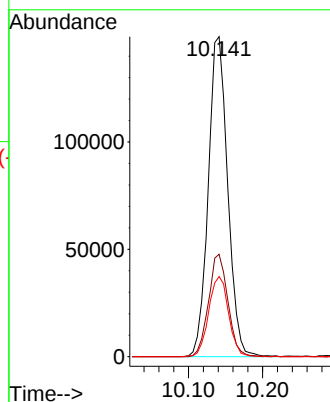
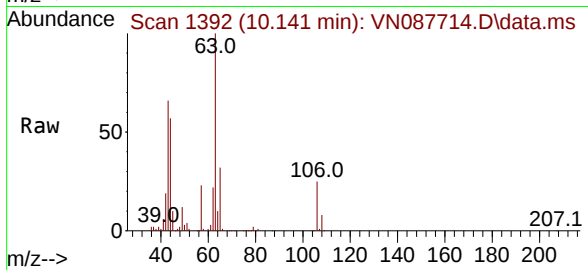




#55
2-Chloroethyl vinyl ether
Concen: 92.933 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

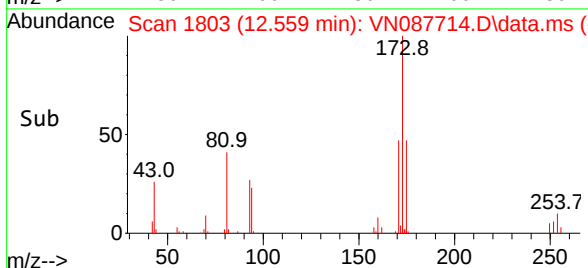
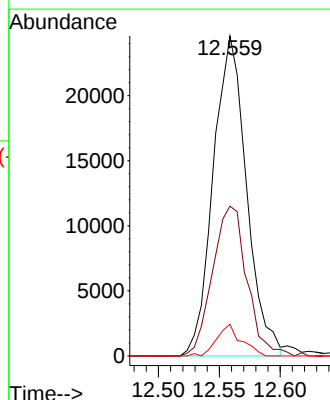
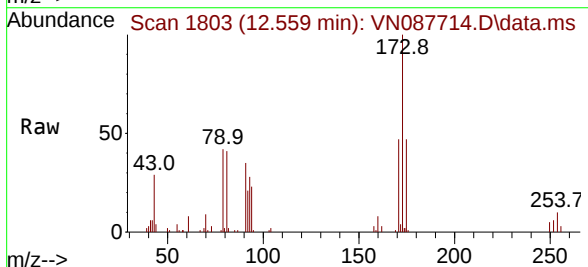
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

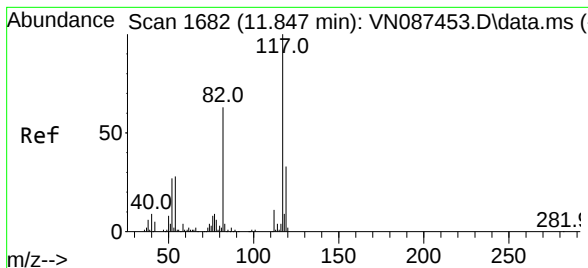
Tgt Ion: 63 Resp: 271527
Ion Ratio Lower Upper
63 100
65 31.8 25.7 38.5
106 25.5 20.7 31.1



#56
Bromoform
Concen: 19.424 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 173 Resp: 46759
Ion Ratio Lower Upper
173 100
175 48.2 38.8 58.2
254 7.1 3.9 5.9#

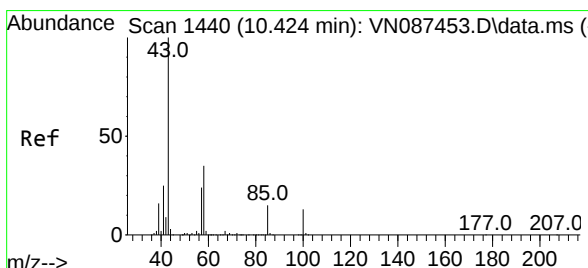
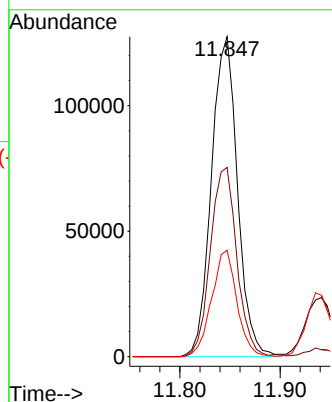
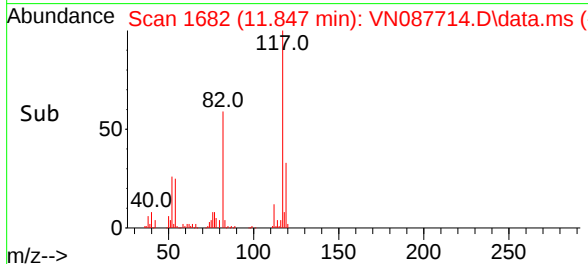
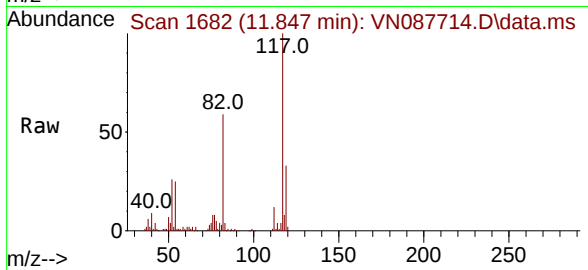




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

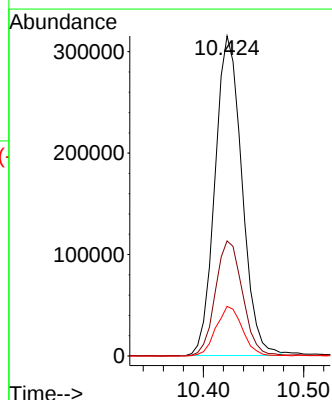
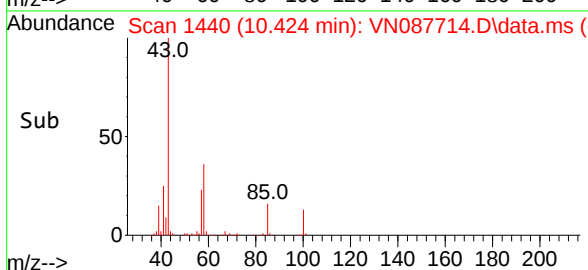
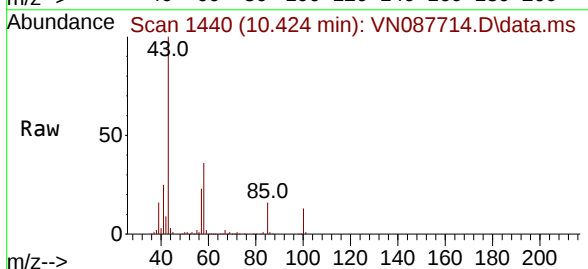
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

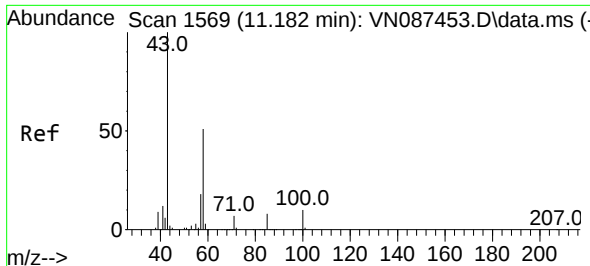
Tgt Ion:117 Resp: 230082
Ion Ratio Lower Upper
117 100
82 59.9 49.2 73.8
119 32.3 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 99.321 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 43 Resp: 587862
Ion Ratio Lower Upper
43 100
58 36.4 29.0 43.6
85 15.3 12.7 19.1

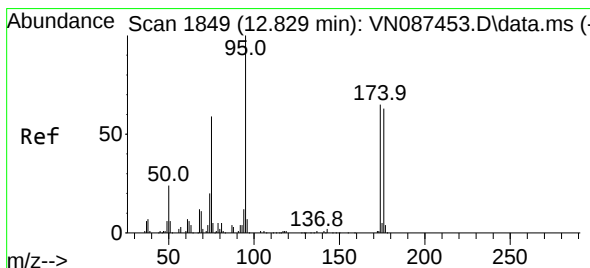
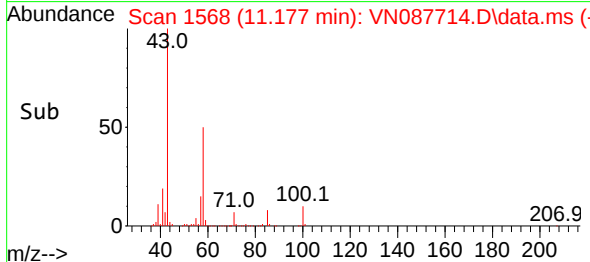
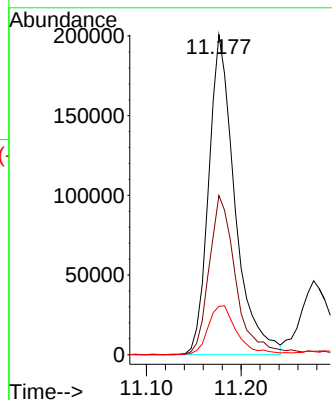
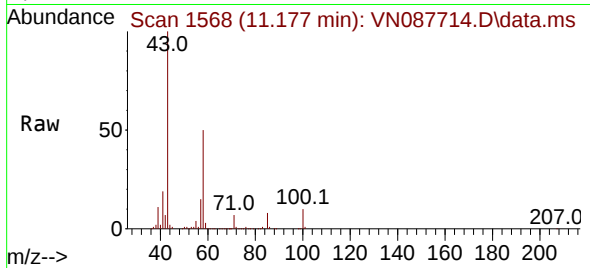




#59
2-Hexanone
Concen: 95.594 ug/l
RT: 11.177 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

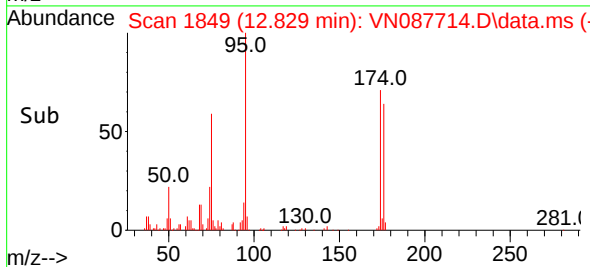
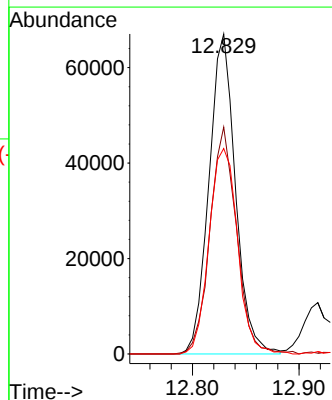
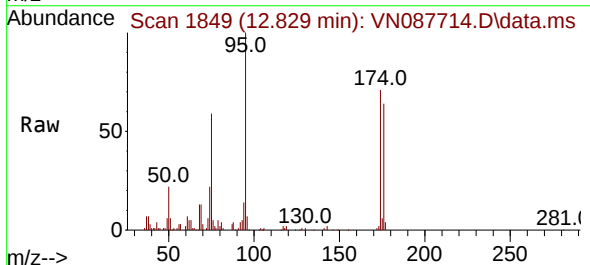
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

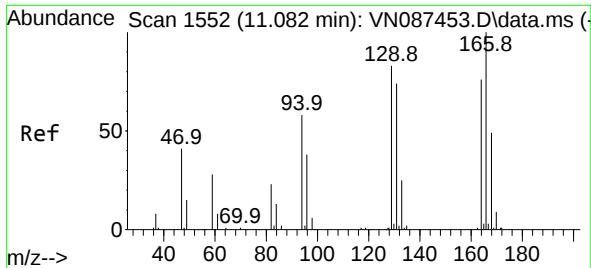
Tgt Ion: 43 Resp: 384434
Ion Ratio Lower Upper
43 100
58 50.5 41.0 61.6
57 16.8 14.6 21.8



#60
4-Bromofluorobenzene
Concen: 29.288 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 95 Resp: 115967
Ion Ratio Lower Upper
95 100
174 71.1 52.3 78.5
176 68.9 49.8 74.8

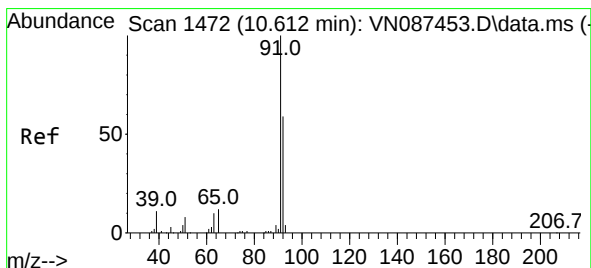
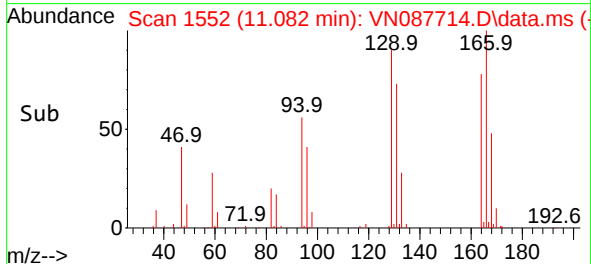
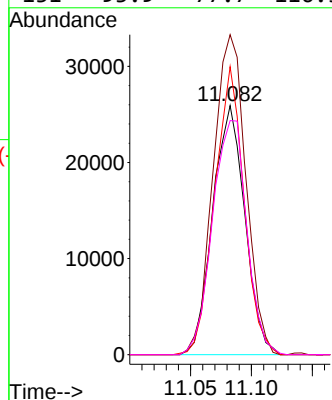
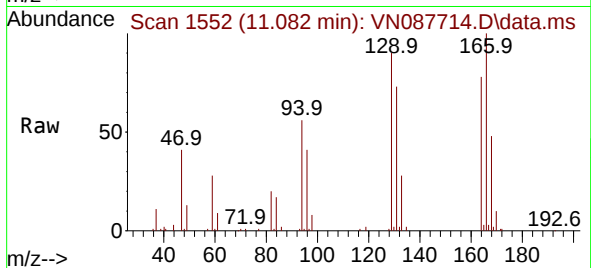




#61
Tetrachloroethene
Concen: 21.211 ug/l
RT: 11.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

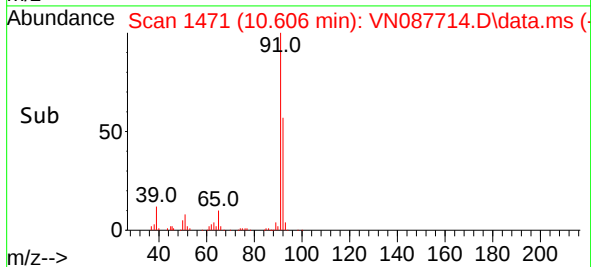
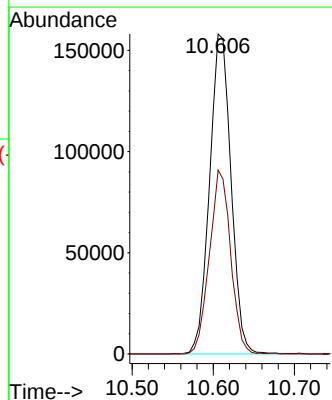
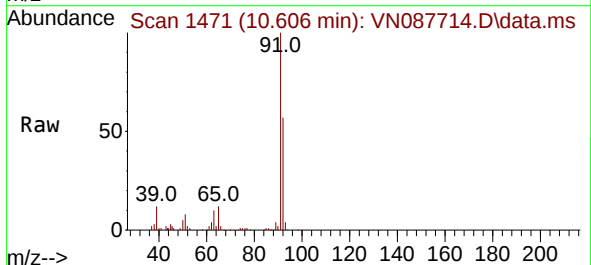
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

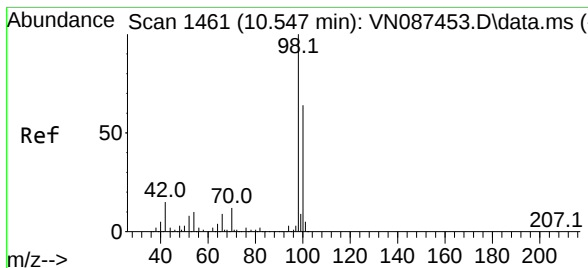
Tgt Ion:164 Resp: 47545
Ion Ratio Lower Upper
164 100
166 128.4 105.4 158.0
129 115.6 87.7 131.5
131 93.9 77.7 116.5



#62
Toluene
Concen: 20.446 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 91 Resp: 290343
Ion Ratio Lower Upper
91 100
92 56.8 45.8 68.6





#63

Toluene-d8

Concen: 30.412 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

Instrument :

MSVOA_N

ClientSampleId :

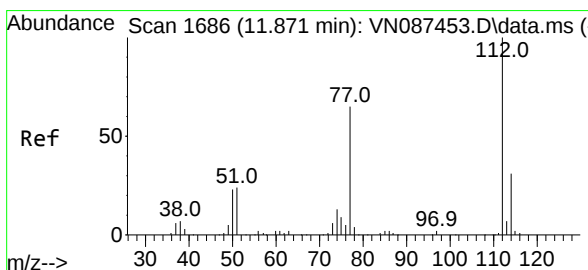
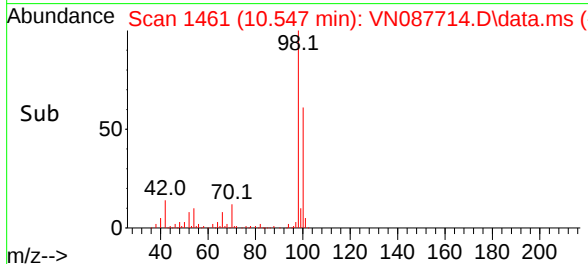
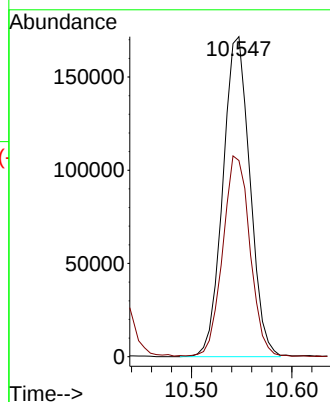
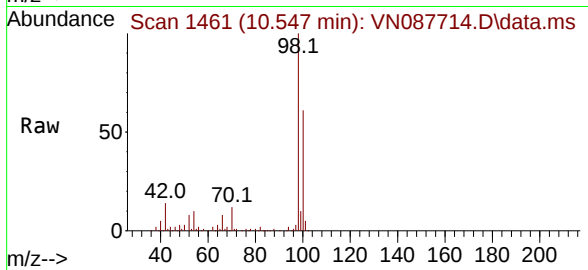
VSTDCCC020

Tgt Ion: 98 Resp: 321960

Ion Ratio Lower Upper

98 100

100 63.1 50.5 75.7



#64

Chlorobenzene

Concen: 20.801 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VN087714.D

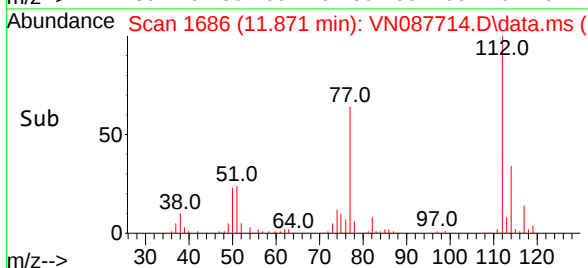
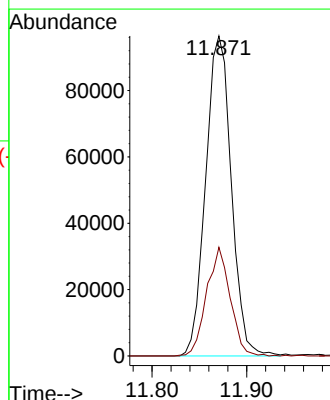
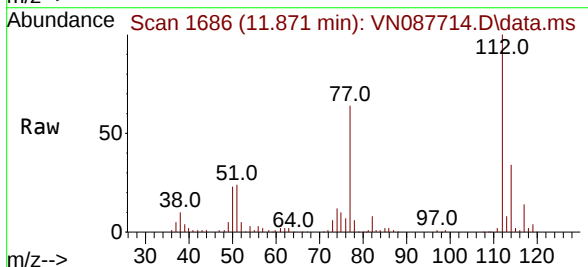
Acq: 04 Sep 2025 10:54

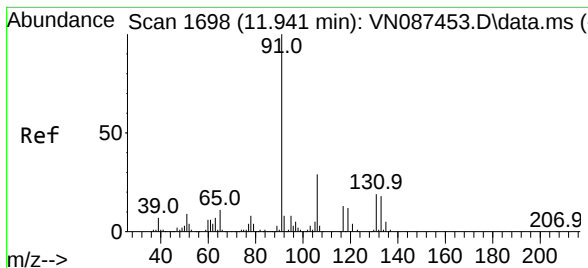
Tgt Ion: 112 Resp: 181508

Ion Ratio Lower Upper

112 100

114 33.9 24.7 37.1

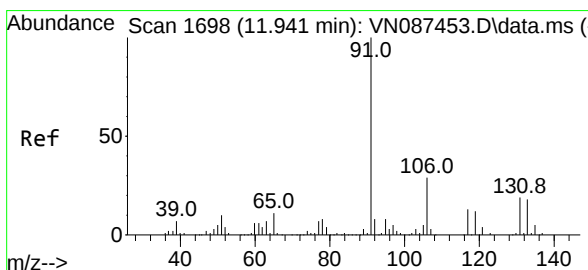
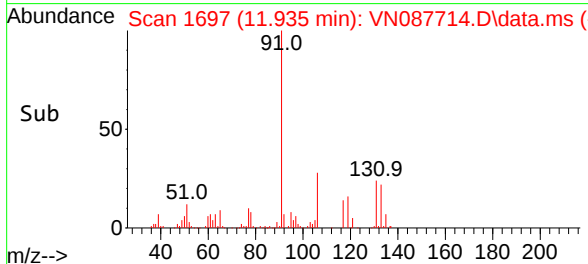
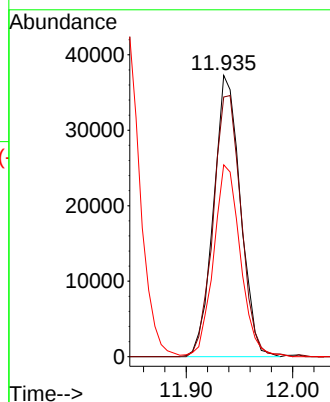
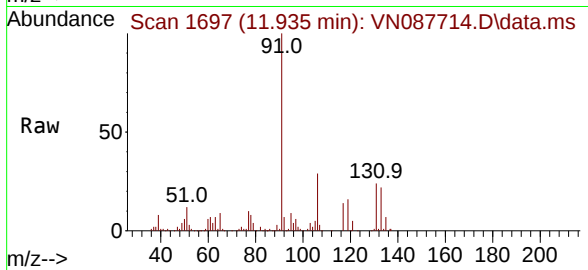




#65
 1,1,1,2-Tetrachloroethane
 Concen: 21.267 ug/l
 RT: 11.935 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: VN087714.D
 Acq: 04 Sep 2025 10:54

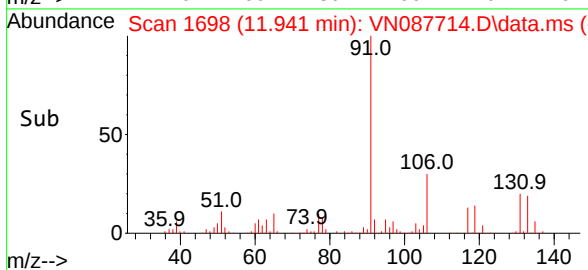
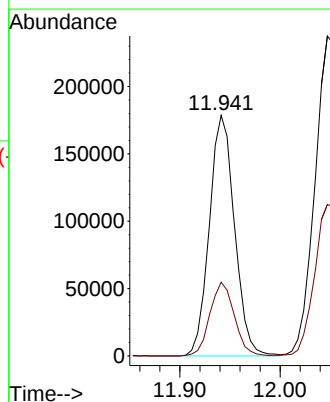
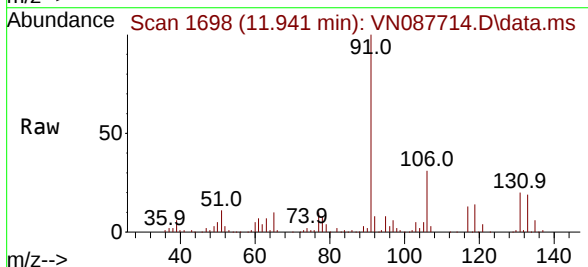
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

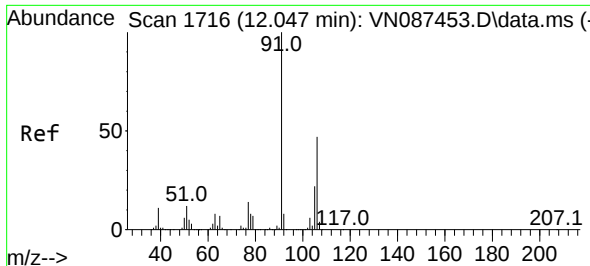
Tgt Ion:131 Resp: 65246
 Ion Ratio Lower Upper
 131 100
 133 96.0 0.0 189.8
 119 68.1 0.0 133.2



#66
 Ethyl Benzene
 Concen: 19.733 ug/l
 RT: 11.941 min Scan# 1698
 Delta R.T. 0.000 min
 Lab File: VN087714.D
 Acq: 04 Sep 2025 10:54

Tgt Ion: 91 Resp: 312337
 Ion Ratio Lower Upper
 91 100
 106 30.7 22.9 34.3

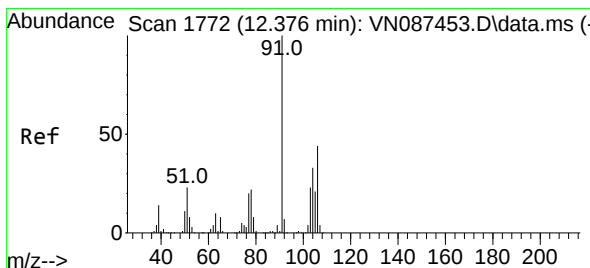
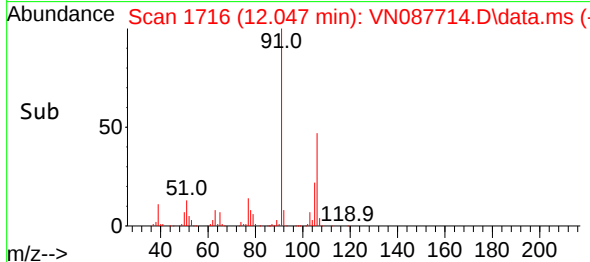
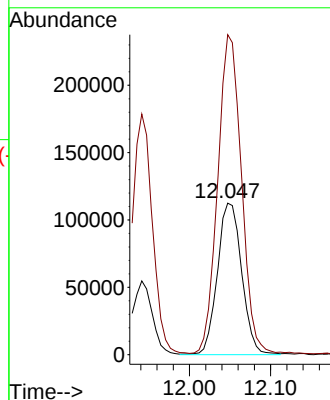
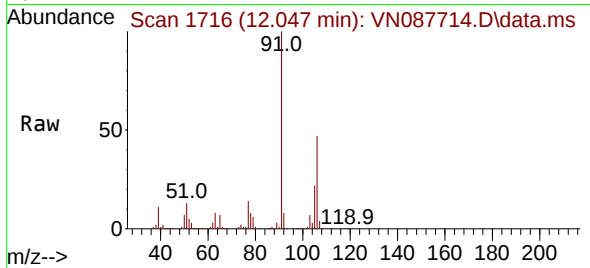




#67
m/p-Xylenes
Concen: 40.313 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

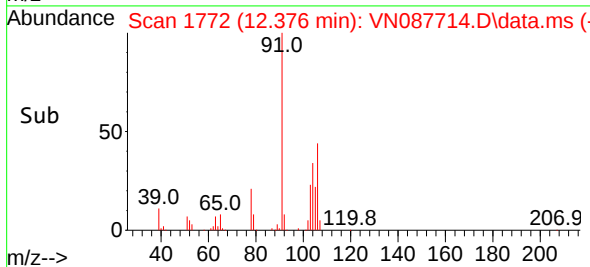
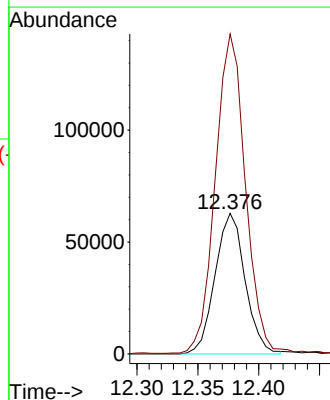
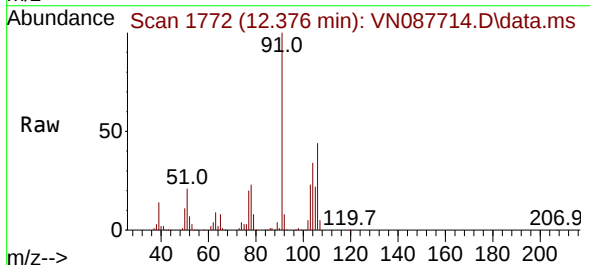
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

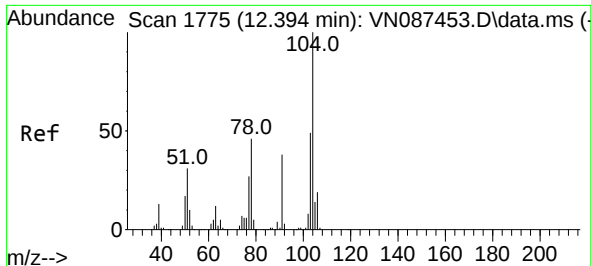
Tgt Ion:106 Resp: 234213
Ion Ratio Lower Upper
106 100
91 204.3 174.2 261.2



#68
o-Xylene
Concen: 18.876 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion:106 Resp: 107889
Ion Ratio Lower Upper
106 100
91 225.3 114.5 343.5

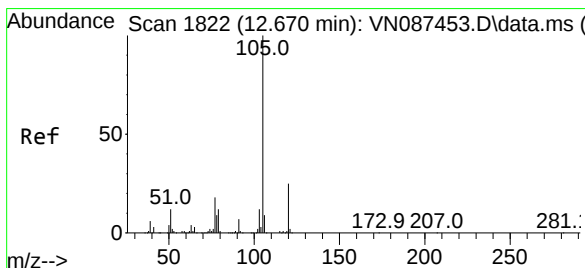
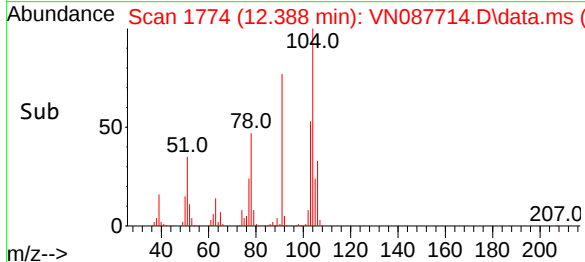
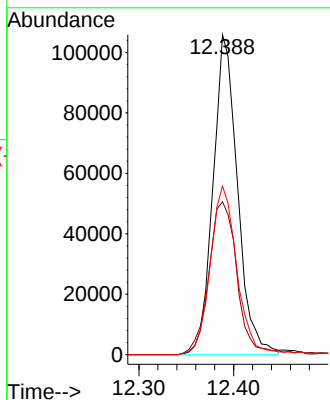
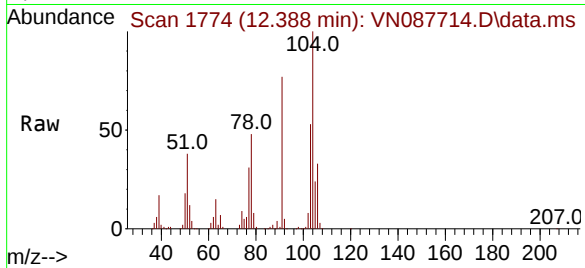




#69
Styrene
Concen: 19.476 ug/l
RT: 12.388 min Scan# 1774
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

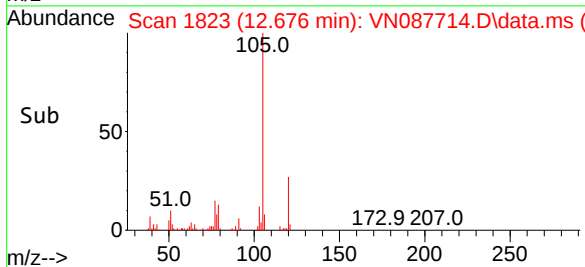
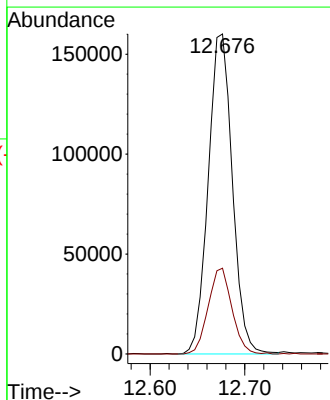
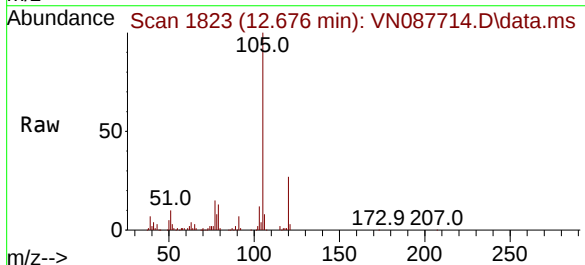
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

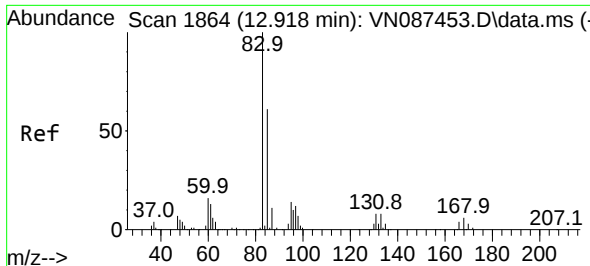
Tgt Ion:104 Resp: 190079
Ion Ratio Lower Upper
104 100
78 55.5 43.8 65.8
103 57.1 43.1 64.7



#70
Isopropylbenzene
Concen: 19.568 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion:105 Resp: 284145
Ion Ratio Lower Upper
105 100
120 26.2 17.5 32.5

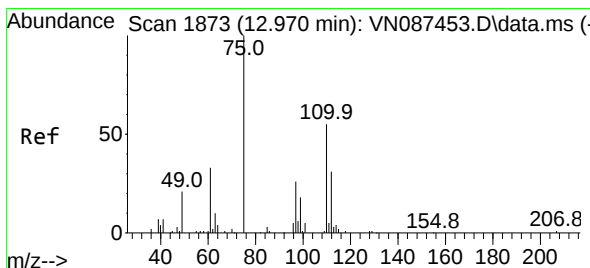
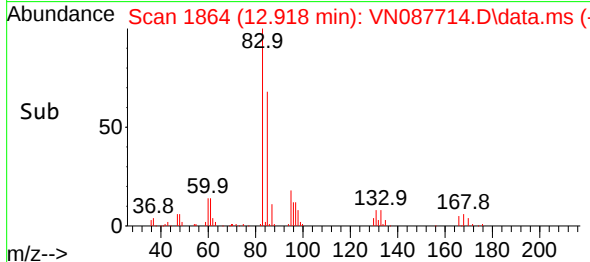
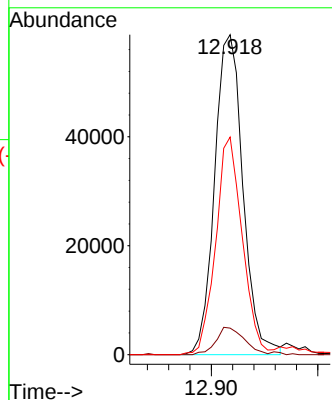
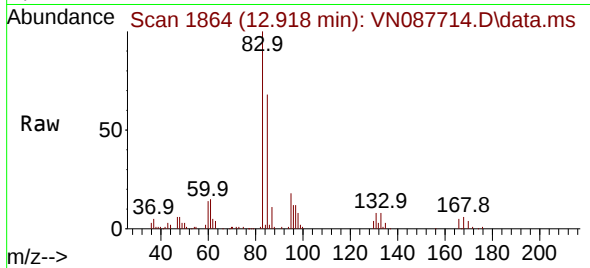




#71
1,1,2,2-Tetrachloroethane
Concen: 21.812 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

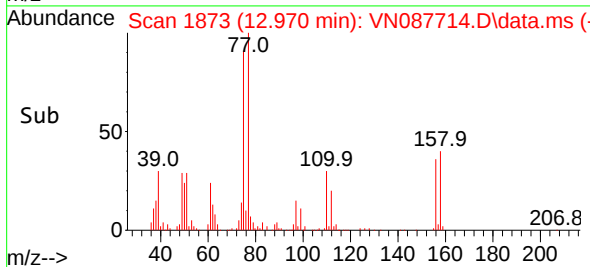
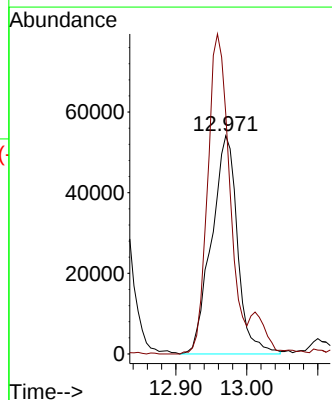
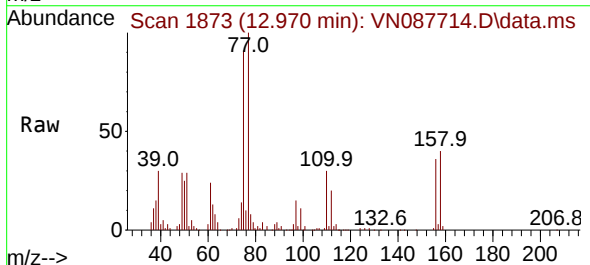
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

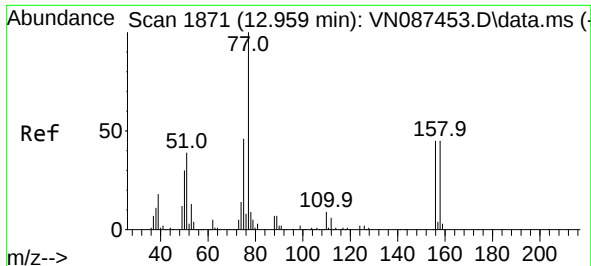
Tgt Ion: 83 Resp: 108523
Ion Ratio Lower Upper
83 100
131 8.5 4.8 14.3
85 63.5 31.7 95.1



#72
1,2,3-Trichloropropane
Concen: 29.641 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 75 Resp: 137388
Ion Ratio Lower Upper
75 100
77 123.3 0.0 385.0

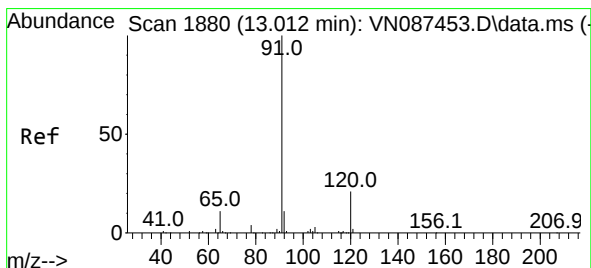
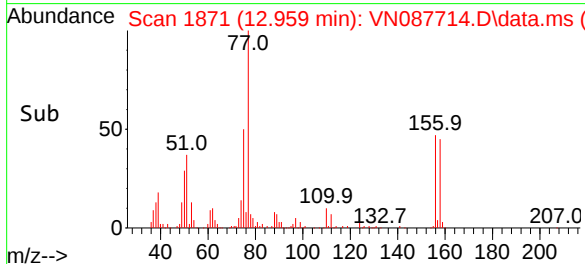
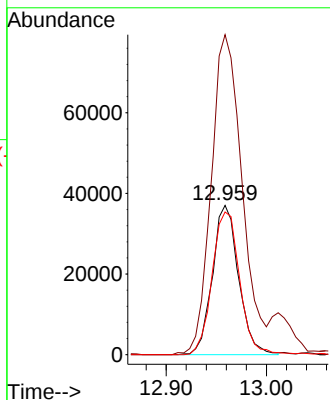
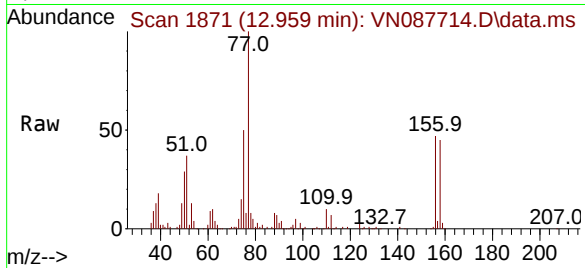




#73
Bromobenzene
Concen: 19.958 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

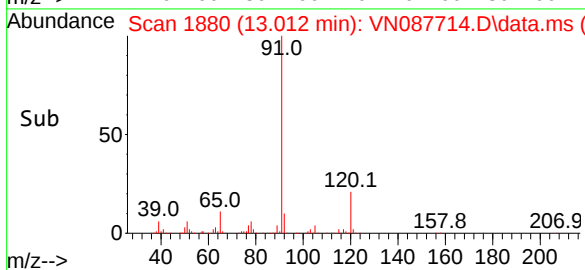
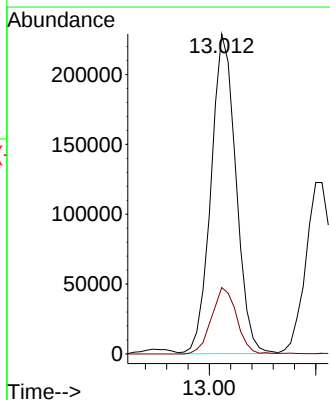
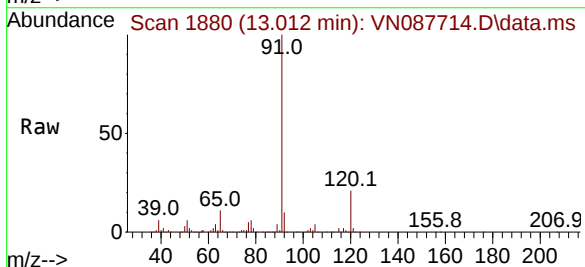
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

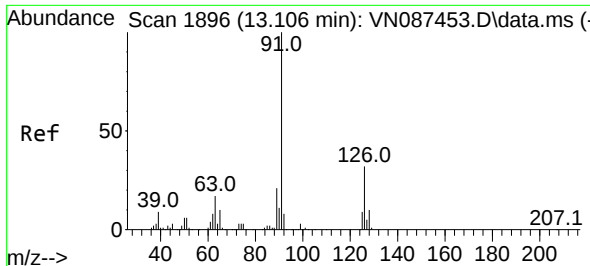
Tgt Ion:156 Resp: 67183
Ion Ratio Lower Upper
156 100
77 252.2 0.0 506.6
158 100.6 0.0 193.6



#74
n-propylbenzene
Concen: 20.500 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 91 Resp: 371779
Ion Ratio Lower Upper
91 100
120 20.7 0.0 41.8

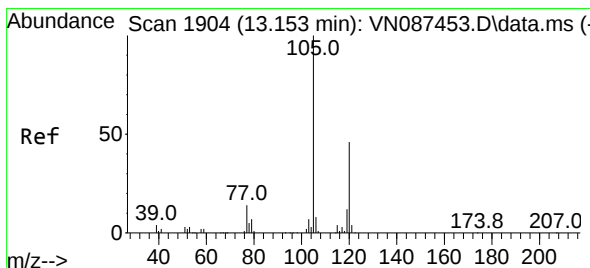
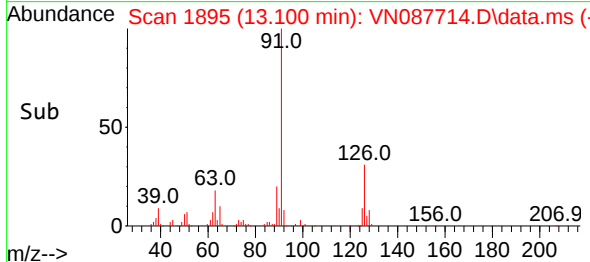
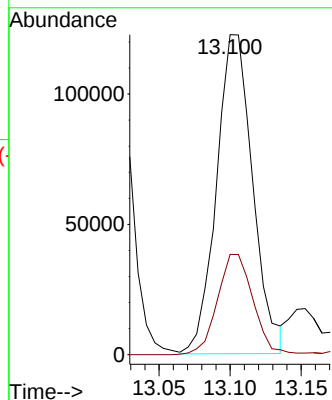
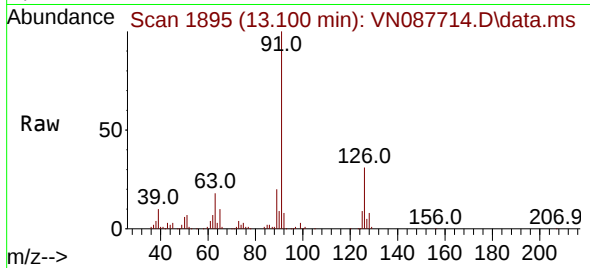




#75
2-Chlorotoluene
Concen: 19.495 ug/l
RT: 13.100 min Scan# 1896
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

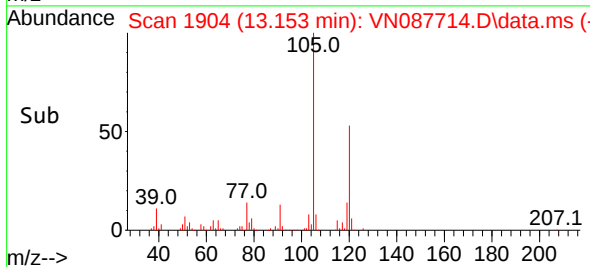
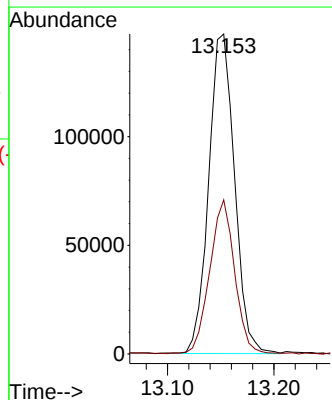
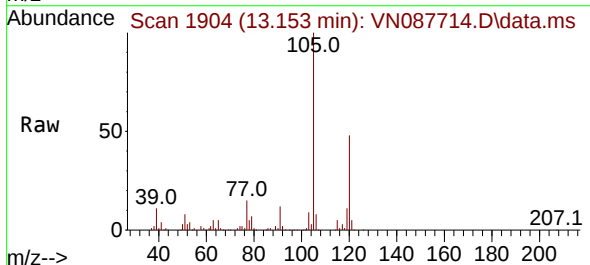
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

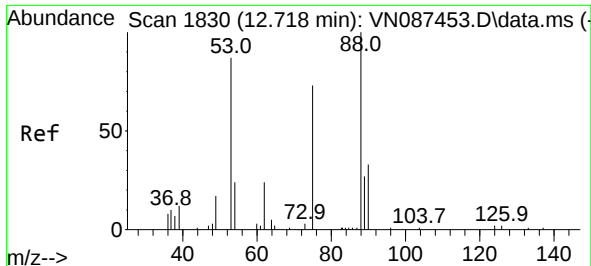
Tgt Ion: 91 Resp: 217479
Ion Ratio Lower Upper
91 100
126 30.8 0.0 60.4



#76
1,3,5-Trimethylbenzene
Concen: 19.937 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion:105 Resp: 247884
Ion Ratio Lower Upper
105 100
120 46.4 0.0 91.2

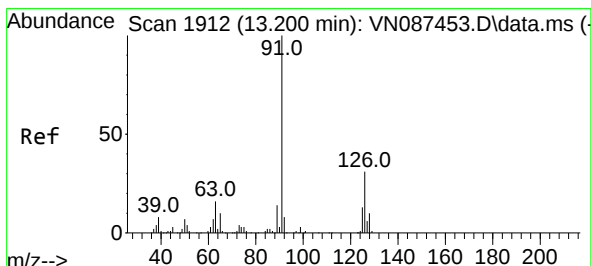
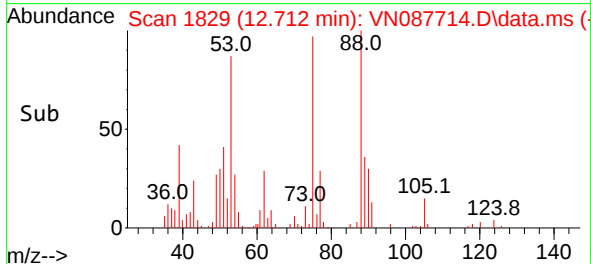
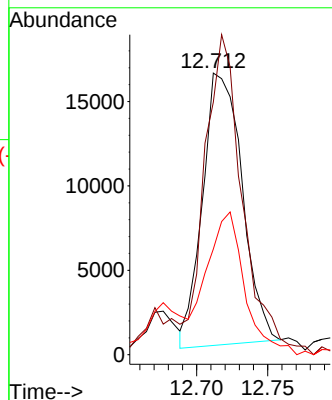
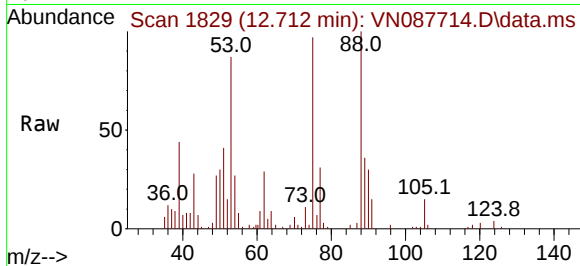




#77
t-1,4-Dichloro-2-butene
Concen: 17.800 ug/l
RT: 12.712 min Scan# 1830
Delta R.T. -0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

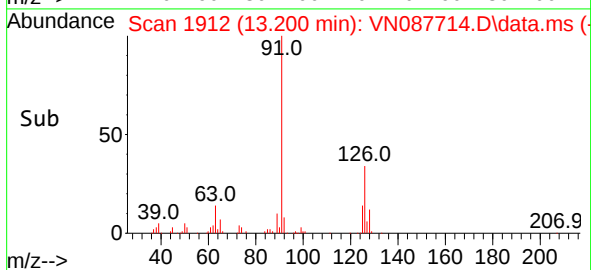
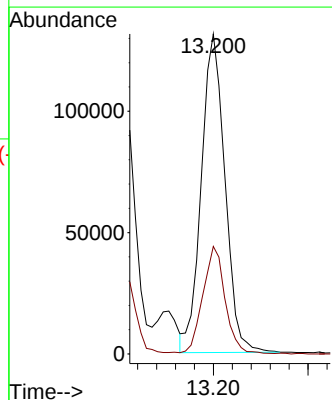
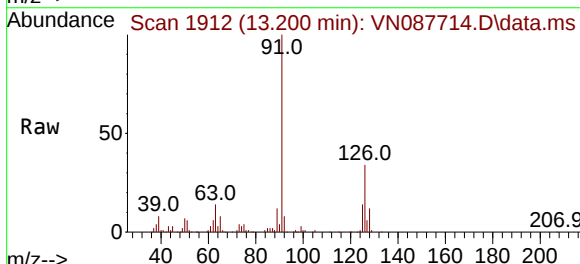
Instrument :
MSVOA_N
ClientSampleId :
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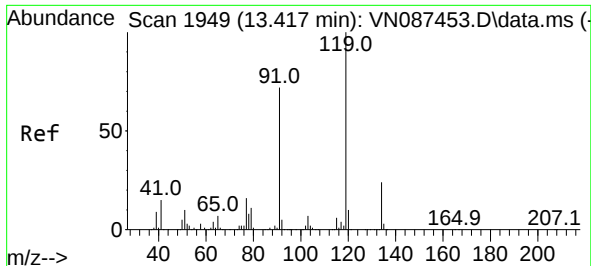
Tgt Ion: 75 Resp: 31232
Ion Ratio Lower Upper
75 100
53 88.6 59.0 176.8
89 36.3 22.1 66.5



#78
4-Chlorotoluene
Concen: 20.115 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 91 Resp: 227394
Ion Ratio Lower Upper
91 100
126 31.7 0.0 63.2

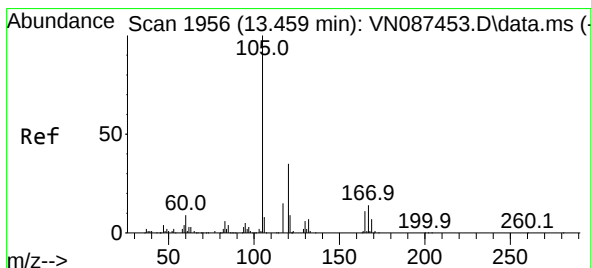
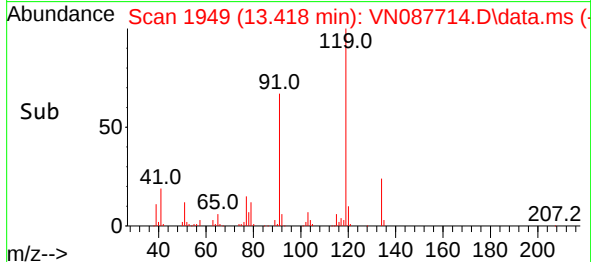
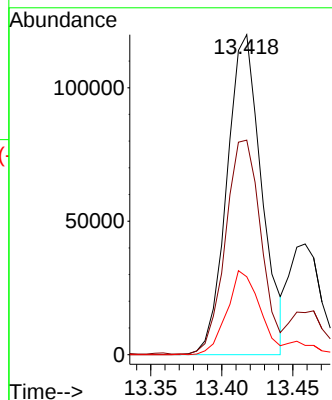
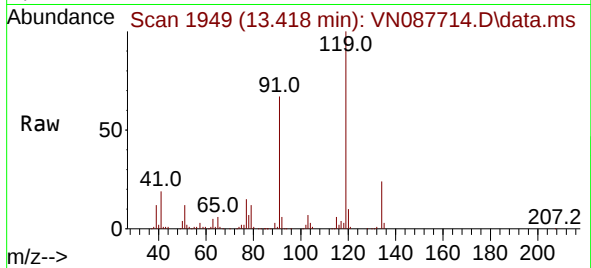




#79
tert-butylbenzene
Concen: 19.444 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

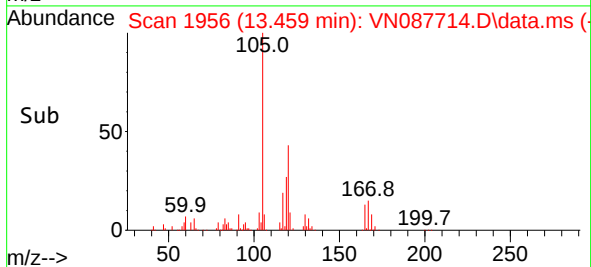
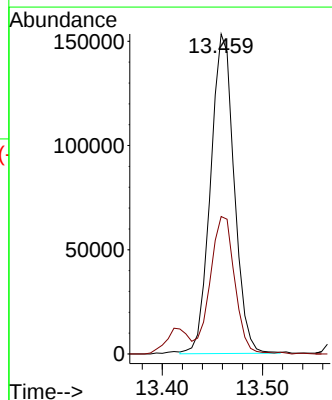
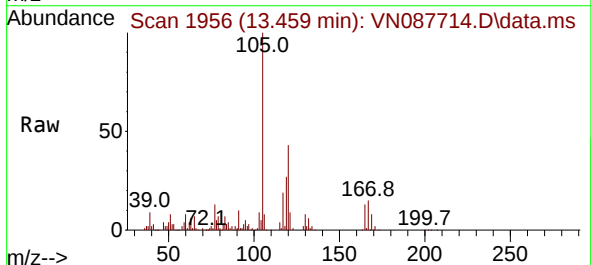
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

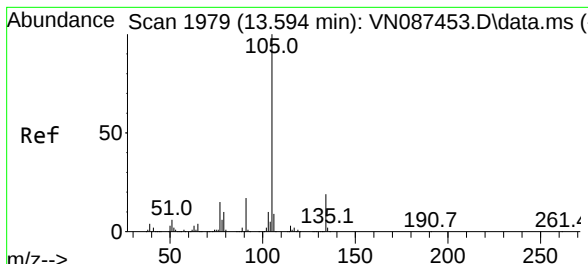
Tgt Ion:119 Resp: 203826
Ion Ratio Lower Upper
119 100
91 68.1 0.0 141.6
134 24.8 0.0 45.6



#80
1,2,4-Trimethylbenzene
Concen: 20.173 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion:105 Resp: 250626
Ion Ratio Lower Upper
105 100
120 44.8 0.0 87.2

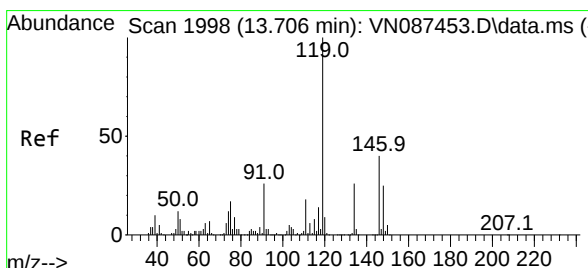
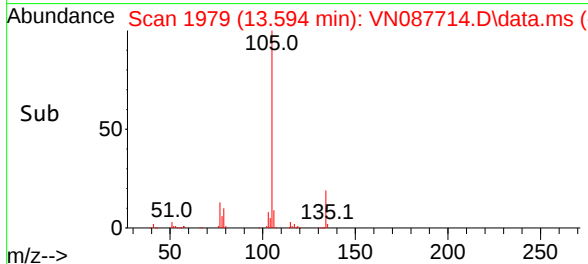
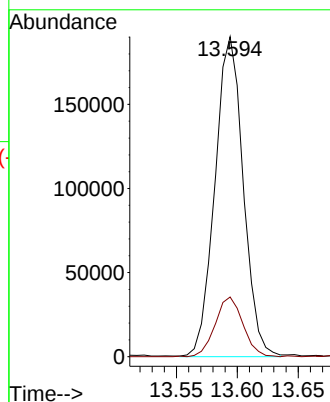
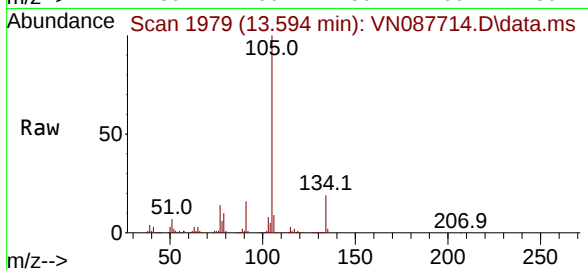




#81
 sec-Butylbenzene
 Concen: 20.195 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087714.D
 Acq: 04 Sep 2025 10:54

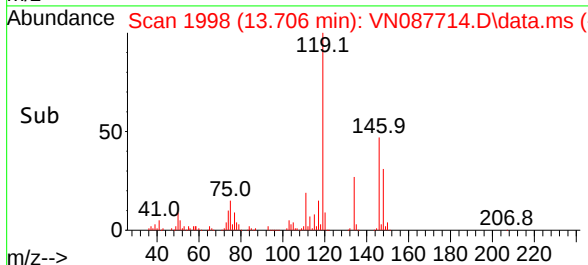
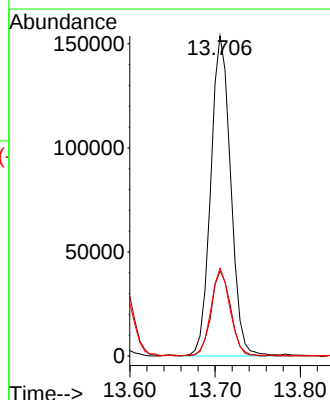
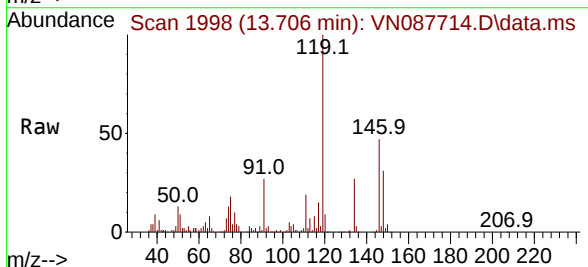
Instrument :
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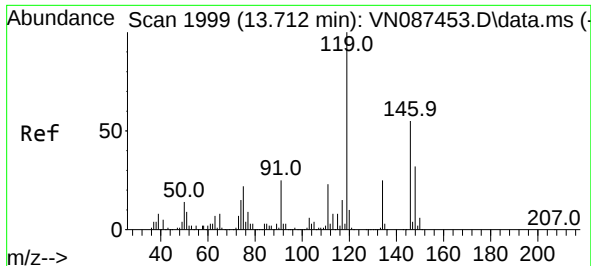
Tgt Ion:105 Resp: 308192
 Ion Ratio Lower Upper
 105 100
 134 18.2 0.0 37.6



#82
 p-Isopropyltoluene
 Concen: 19.739 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087714.D
 Acq: 04 Sep 2025 10:54

Tgt Ion:119 Resp: 250110
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 51.4
 91 26.3 0.0 52.0

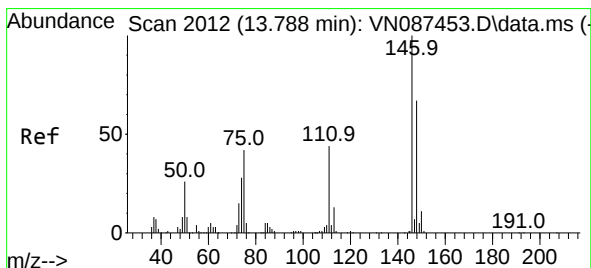
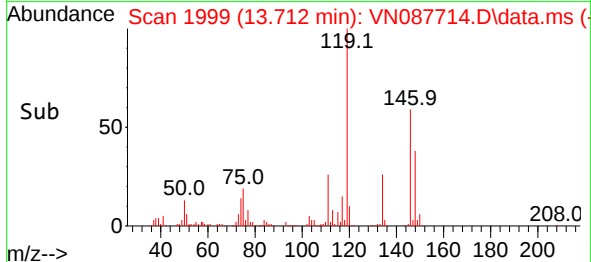
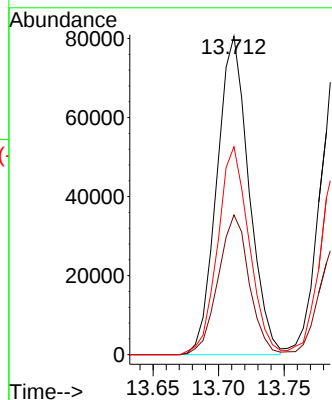
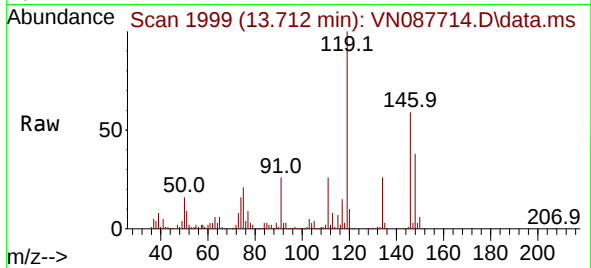




#83
1,3-Dichlorobenzene
Concen: 21.371 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

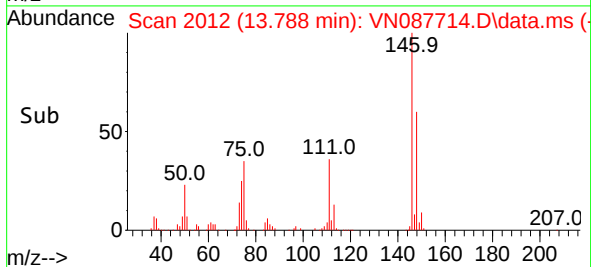
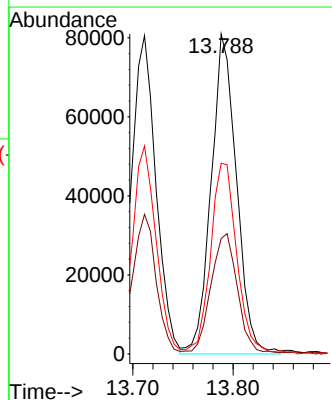
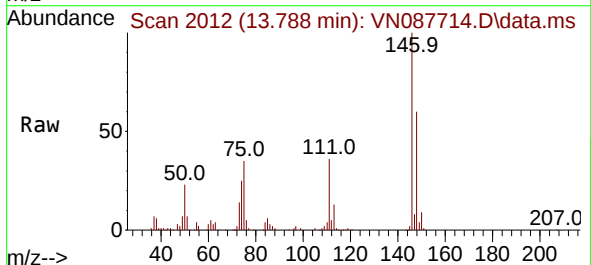
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

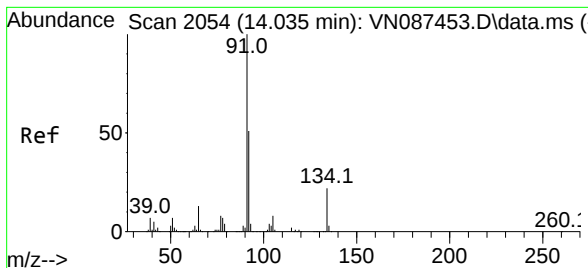
Tgt Ion:146 Resp: 136995
Ion Ratio Lower Upper
146 100
111 42.7 21.9 65.5
148 64.2 31.3 93.9



#84
1,4-Dichlorobenzene
Concen: 21.893 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion:146 Resp: 142283
Ion Ratio Lower Upper
146 100
111 39.5 21.1 63.1
148 61.7 31.4 94.3

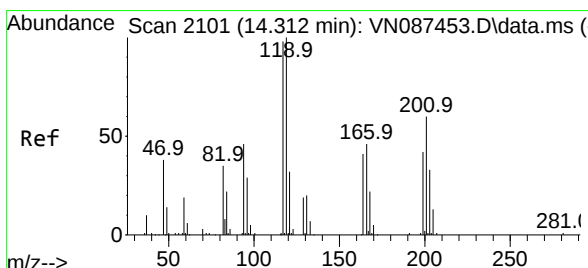
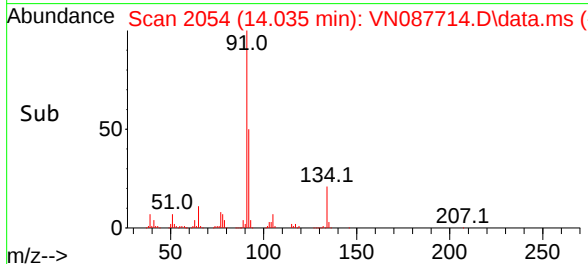
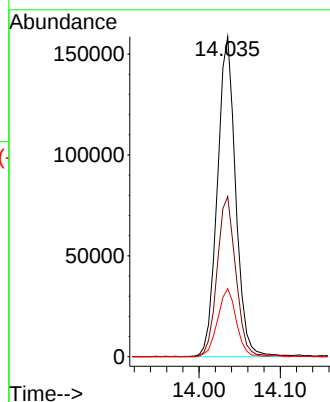
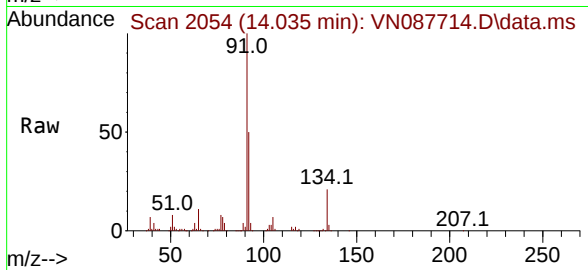




#85
n-Butylbenzene
Concen: 20.078 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

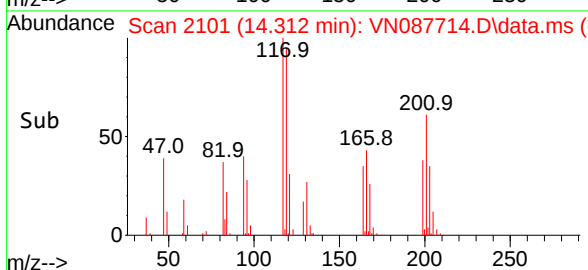
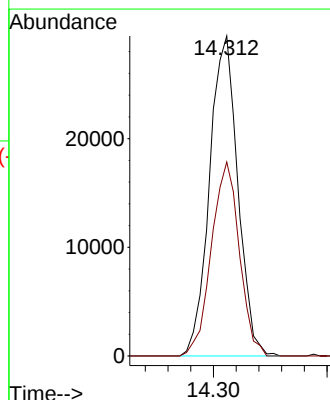
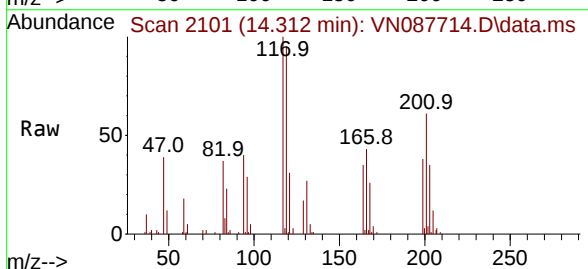
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

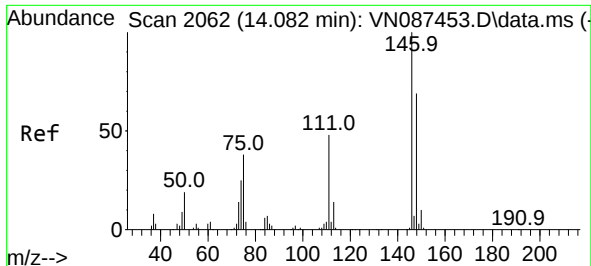
Tgt Ion: 91 Resp: 248913
Ion Ratio Lower Upper
91 100
92 50.7 0.0 106.6
134 21.7 0.0 44.4



#86
Hexachloroethane
Concen: 20.565 ug/l
RT: 14.312 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 117 Resp: 50886
Ion Ratio Lower Upper
117 100
201 59.9 29.1 87.4

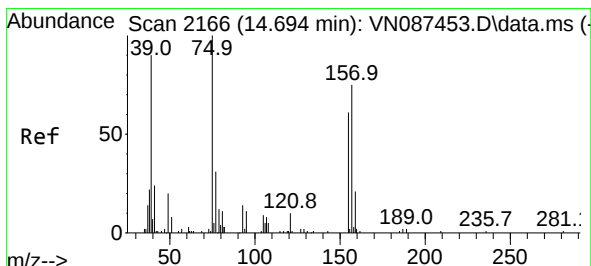
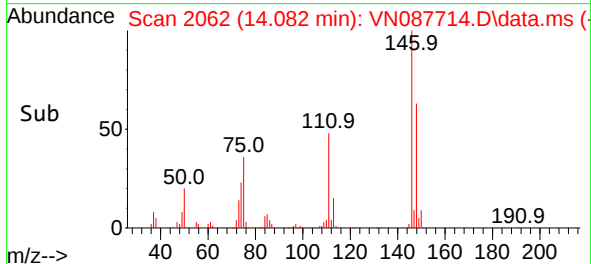
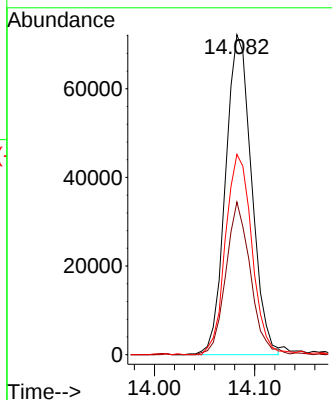
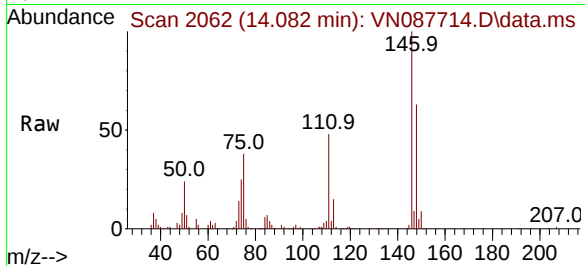




#87
1,2-Dichlorobenzene
Concen: 21.300 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

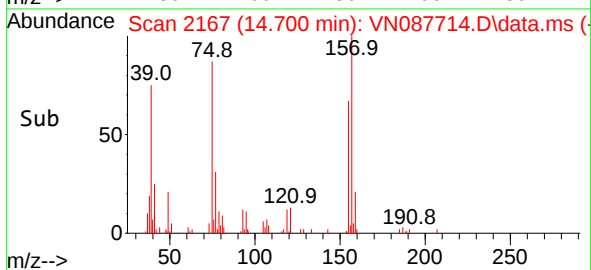
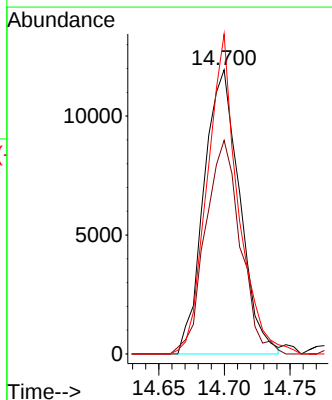
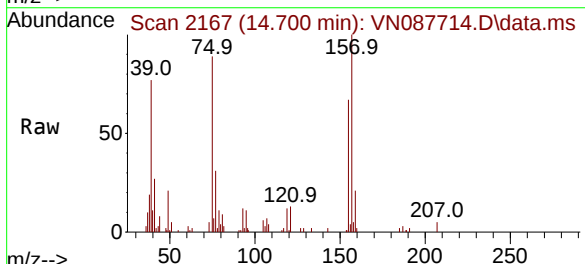
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

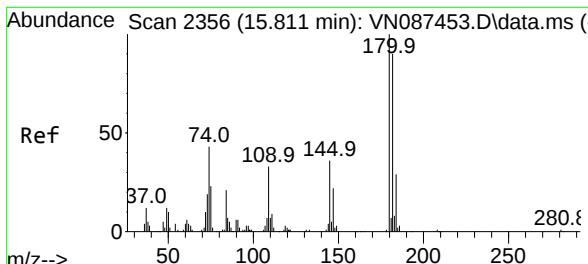
Tgt Ion:146 Resp: 130330
Ion Ratio Lower Upper
146 100
111 44.9 22.9 68.7
148 63.7 31.6 94.7



#88
1,2-Dibromo-3-Chloropropane
Concen: 17.995 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.006 min
Lab File: VN087714.D
Acq: 04 Sep 2025 10:54

Tgt Ion: 75 Resp: 22682
Ion Ratio Lower Upper
75 100
155 73.8 55.7 83.5
157 97.0 65.8 98.6

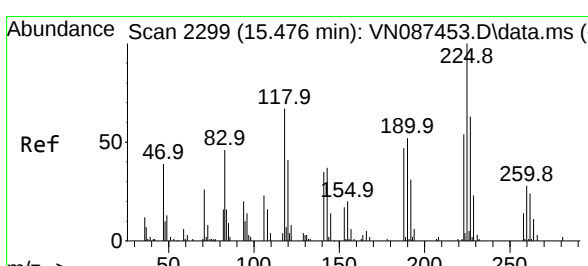
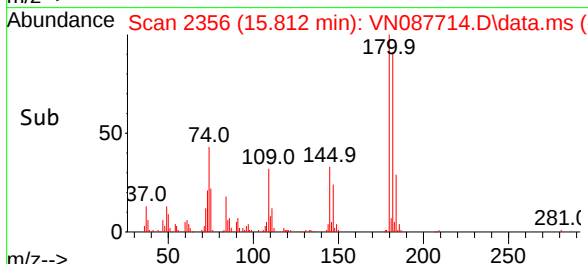
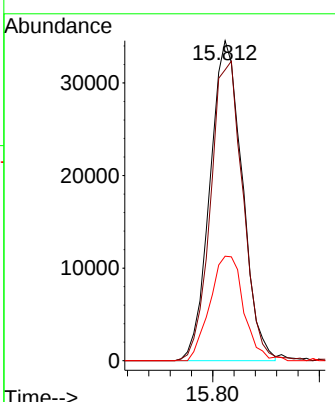
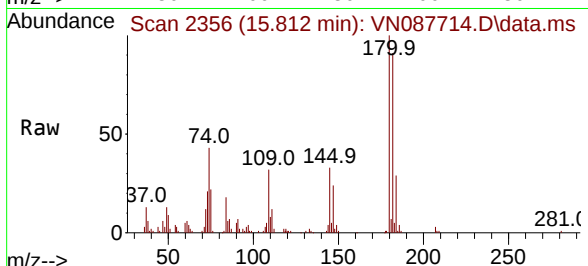




#89
 1,2,4-Trichlorobenzene
 Concen: 19.850 ug/l
 RT: 15.812 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN087714.D
 Acq: 04 Sep 2025 10:54

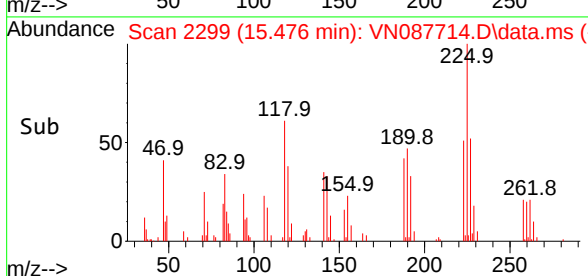
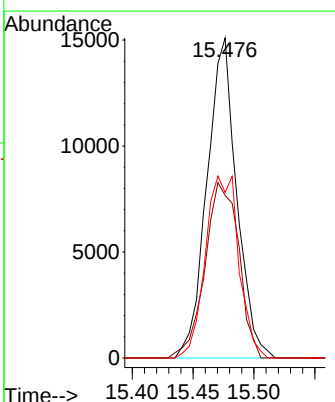
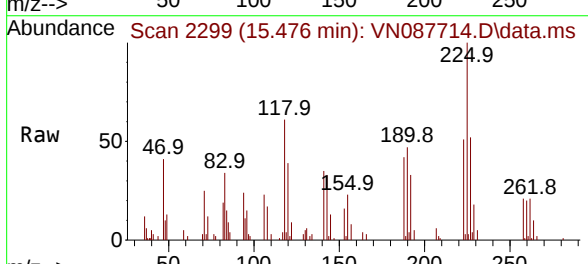
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

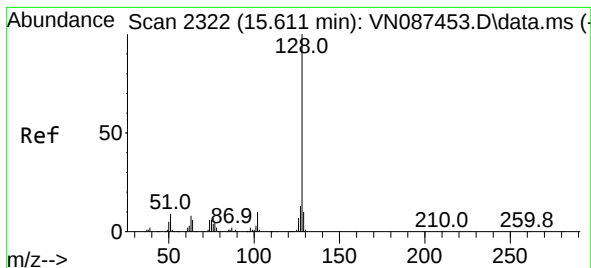
Tgt Ion:	180	Resp:	72588
Ion Ratio	Lower	Upper	
180	100		
182	93.7	75.0	112.4
145	33.9	28.6	43.0



#90
 Hexachlorobutadiene
 Concen: 18.070 ug/l
 RT: 15.476 min Scan# 2299
 Delta R.T. 0.000 min
 Lab File: VN087714.D
 Acq: 04 Sep 2025 10:54

Tgt Ion:	225	Resp:	25695
Ion Ratio	Lower	Upper	
225	100		
223	61.8	0.0	116.0
227	41.7	0.0	127.0





#91

Naphthalene

Concen: 19.078 ug/l

RT: 15.612 min Scan# 2322

Delta R.T. 0.000 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

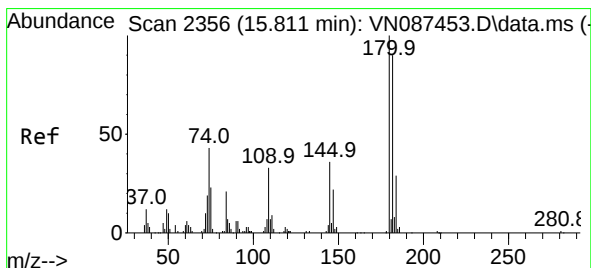
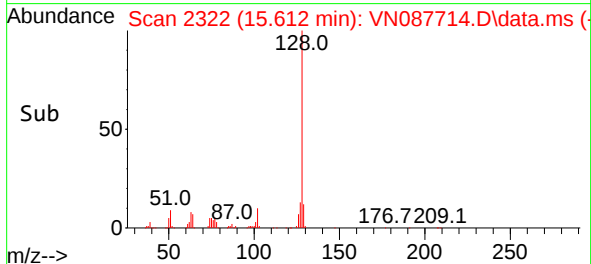
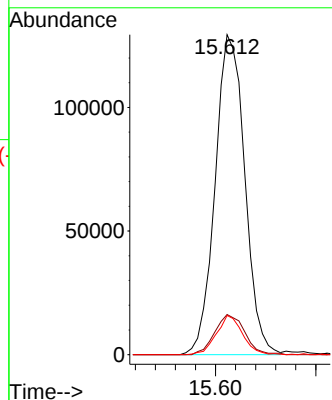
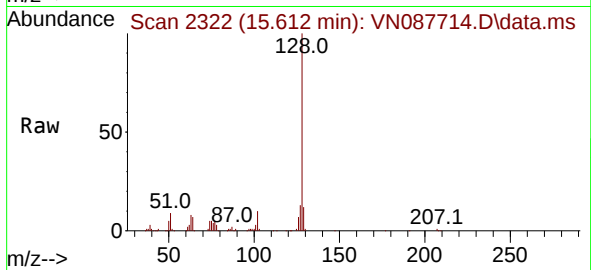
Tgt Ion:128 Resp: 266009

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.7 8.9 13.3



#92

1,2,3-Trichlorobenzene

Concen: 19.850 ug/l

RT: 15.812 min Scan# 2356

Delta R.T. 0.000 min

Lab File: VN087714.D

Acq: 04 Sep 2025 10:54

Tgt Ion:180 Resp: 72588

Ion Ratio Lower Upper

180 100

182 93.7 0.0 187.4

145 33.9 0.0 71.6

