

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081225\
 Data File : VN087523.D
 Acq On : 12 Aug 2025 18:24
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Quant Time: Aug 13 03:10:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.212	168	285478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	551652	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	512794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	257688	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	266240	54.963	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.920%	
35) Dibromofluoromethane	8.153	113	183944	48.339	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.680%	
50) Toluene-d8	10.547	98	669604	49.330	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.660%	
62) 4-Bromofluorobenzene	12.829	95	261881	52.220	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.440%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	188765	62.255	ug/l	93
3) Chloromethane	2.383	50	190804	50.041	ug/l	97
4) Vinyl Chloride	2.542	62	208362	54.987	ug/l	98
5) Bromomethane	2.971	94	120267	61.289	ug/l	98
6) Chloroethane	3.130	64	139856	56.594	ug/l	98
7) Trichlorofluoromethane	3.506	101	308328	55.027	ug/l	98
8) Diethyl Ether	3.959	74	133220	61.292	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	164671	57.250	ug/l	95
10) Methyl Iodide	4.577	142	126139	43.458	ug/l	96
11) Tert butyl alcohol	5.530	59	269052	292.524	ug/l	99
12) 1,1-Dichloroethene	4.330	96	169847	52.109	ug/l	95
13) Acrolein	4.177	56	201525	273.021	ug/l	98
14) Allyl chloride	5.006	41	329739	55.899	ug/l	95
15) Acrylonitrile	5.712	53	675671	270.715	ug/l	98
16) Acetone	4.424	43	607302	267.394	ug/l	97
17) Carbon Disulfide	4.700	76	477701	49.434	ug/l #	94
18) Methyl Acetate	5.018	43	346284	60.687	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	748569	62.308	ug/l	96
20) Methylene Chloride	5.265	84	210389	54.860	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	190780	51.910	ug/l	95
22) Diisopropyl ether	6.659	45	754357	60.966	ug/l	95
23) Vinyl Acetate	6.594	43	3471379	320.781	ug/l	99
24) 1,1-Dichloroethane	6.559	63	390926	54.763	ug/l	98
25) 2-Butanone	7.471	43	980006	279.267	ug/l	99
26) 2,2-Dichloropropane	7.477	77	320069	57.670	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	238056	56.262	ug/l	95
28) Bromochloromethane	7.800	49	203192	59.475	ug/l	94
29) Tetrahydrofuran	7.830	42	652846	286.376	ug/l	100
30) Chloroform	7.953	83	412910	57.789	ug/l	96
31) Cyclohexane	8.241	56	326538	54.834	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	347571	56.164	ug/l	98
36) 1,1-Dichloropropene	8.353	75	271059	53.916	ug/l	99
37) Ethyl Acetate	7.553	43	389758	53.679	ug/l	98
38) Carbon Tetrachloride	8.347	117	281436	50.817	ug/l	98
39) Methylcyclohexane	9.582	83	302648	55.604	ug/l	97
40) Benzene	8.588	78	855204	52.632	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	219396	57.788	ug/l	97
42) 1,2-Dichloroethane	8.659	62	336700	54.642	ug/l	98
43) Isopropyl Acetate	8.677	43	644040	57.140	ug/l	98
44) Trichloroethene	9.335	130	191326	49.833	ug/l	89
45) 1,2-Dichloropropane	9.606	63	220662	53.446	ug/l	97
46) Dibromomethane	9.694	93	164628	53.257	ug/l	97
47) Bromodichloromethane	9.871	83	336000	53.963	ug/l	99
48) Methyl methacrylate	9.665	41	305607	60.227	ug/l	93
49) 1,4-Dioxane	9.682	88	78261	1006.998	ug/l #	100
51) 4-Methyl-2-Pentanone	10.429	43	1970529	276.416	ug/l	98
52) Toluene	10.612	92	535787	54.250	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	356569	56.585	ug/l	94
54) cis-1,3-Dichloropropene	10.294	75	364453	55.991	ug/l #	86
55) 1,1,2-Trichloroethane	11.000	97	211280	52.840	ug/l	96
56) Ethyl methacrylate	10.859	69	376832	55.772	ug/l #	90
57) 1,3-Dichloropropane	11.147	76	376358	54.440	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	994177	303.103	ug/l	99
59) 2-Hexanone	11.176	43	1351913	285.835	ug/l	99
60) Dibromochloromethane	11.341	129	245577	53.855	ug/l	99
61) 1,2-Dibromoethane	11.453	107	226724	53.929	ug/l	95
64) Tetrachloroethene	11.082	164	152429	46.185	ug/l	93
65) Chlorobenzene	11.870	112	573859	49.846	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	203322	51.938	ug/l	98
67) Ethyl Benzene	11.947	91	1032308	54.468	ug/l	99
68) m/p-Xylenes	12.053	106	769961	108.491	ug/l	93
69) o-Xylene	12.376	106	384892	56.775	ug/l	96
70) Styrene	12.394	104	656112	57.532	ug/l	98
71) Bromoform	12.559	173	163577	51.722	ug/l #	100
73) Isopropylbenzene	12.676	105	972539	59.965	ug/l	97
74) N-amyl acetate	12.506	43	293847	43.608	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.917	83	338370	55.446	ug/l	97
76) 1,2,3-Trichloropropane	12.976	75	452281	78.270	ug/l	53
77) Bromobenzene	12.959	156	231249	54.979	ug/l	97
78) n-propylbenzene	13.017	91	1191223	58.378	ug/l	99
79) 2-Chlorotoluene	13.106	91	725083	57.818	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	830549	60.105	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.717	75	108257	51.261	ug/l	95
82) 4-Chlorotoluene	13.200	91	759247	58.151	ug/l	96
83) tert-Butylbenzene	13.417	119	701004	60.739	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	854134	60.527	ug/l	96
85) sec-Butylbenzene	13.594	105	1027991	59.134	ug/l	99
86) p-Isopropyltoluene	13.706	119	852567	61.197	ug/l	97
87) 1,3-Dichlorobenzene	13.712	146	444891	53.893	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	451224	51.179	ug/l	97
89) n-Butylbenzene	14.035	91	833388	62.647	ug/l	99
90) Hexachloroethane	14.311	117	160453	54.358	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	432630	55.320	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	81908	51.121	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	259265	56.438	ug/l	98
94) Hexachlorobutadiene	15.476	225	90076	52.771	ug/l	99
95) Naphthalene	15.617	128	955726	58.727	ug/l	100
96) 1,2,3-Trichlorobenzene	15.811	180	250016	54.256	ug/l	98

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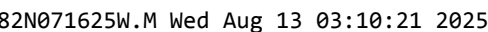
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MSVOA_N
ClientSampleId :
VSTDCCC050EC

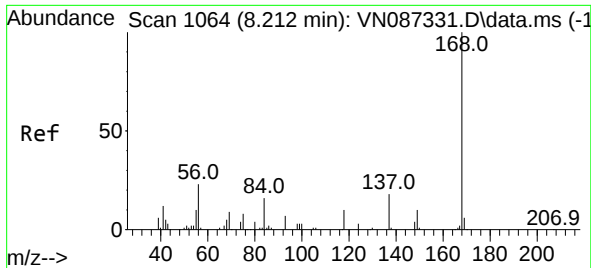
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Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

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

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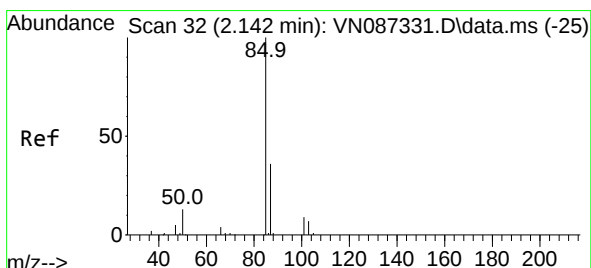
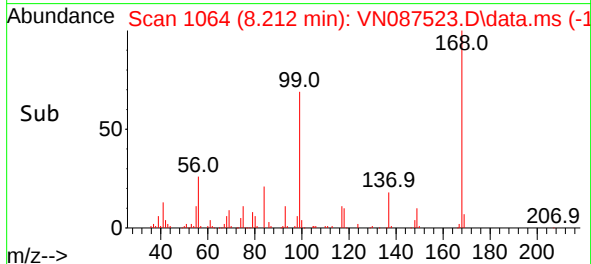
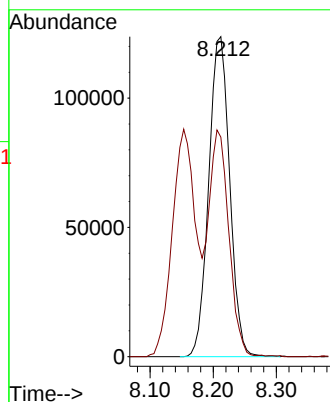
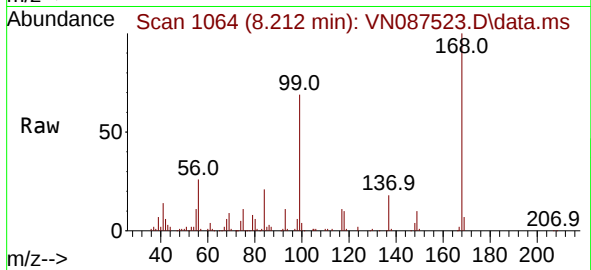




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.000 min
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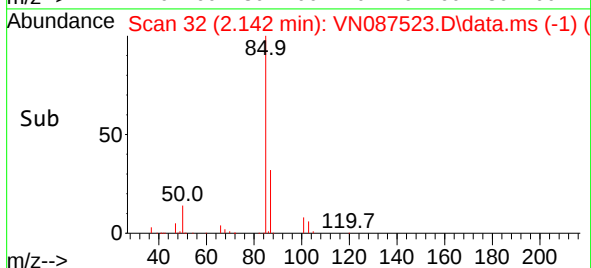
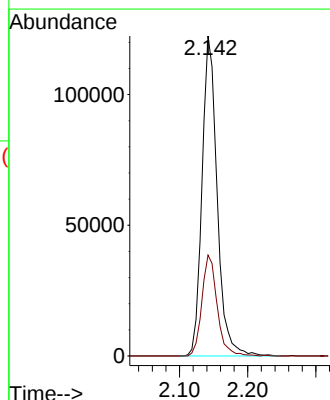
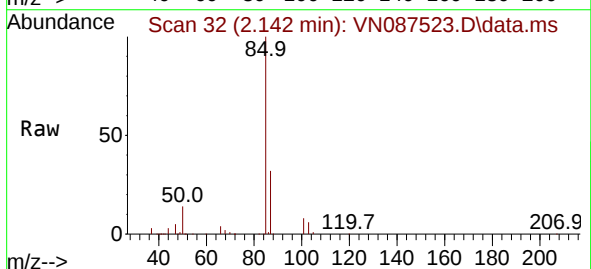
Instrument :
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VSTDCCC050EC

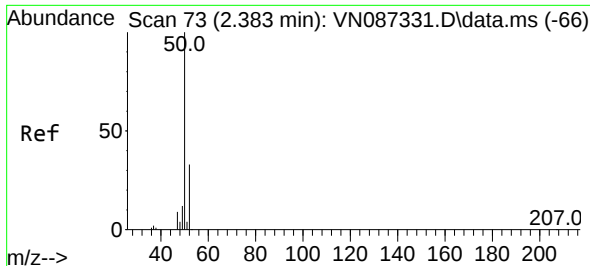
Tgt Ion:168 Resp: 285478
Ion Ratio Lower Upper
168 100
99 68.3 47.9 71.9



#2
Dichlorodifluoromethane
Concen: 62.255 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 85 Resp: 188765
Ion Ratio Lower Upper
85 100
87 31.5 17.8 53.3

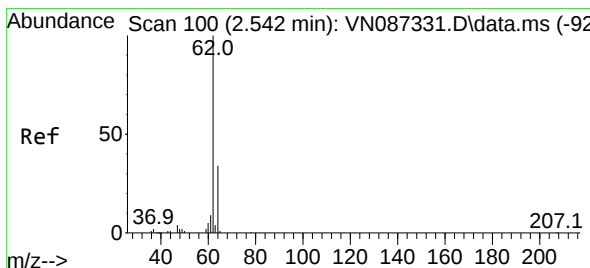
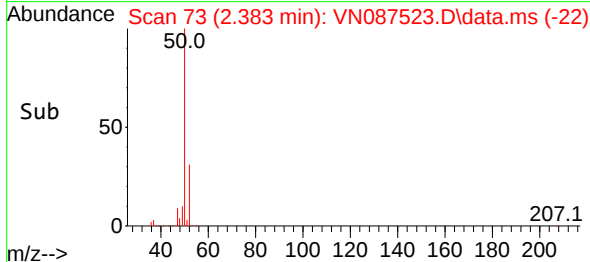
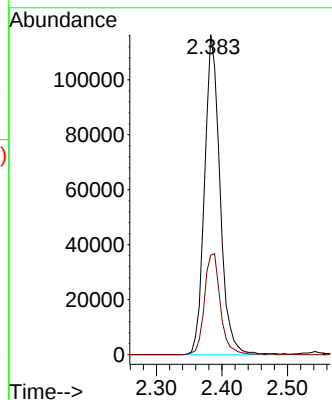
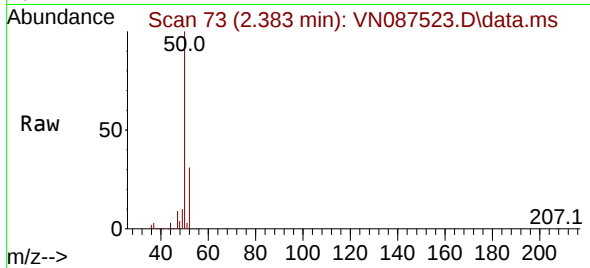




#3
Chloromethane
Concen: 50.041 ug/l
RT: 2.383 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

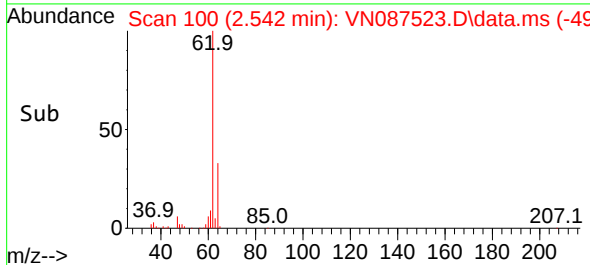
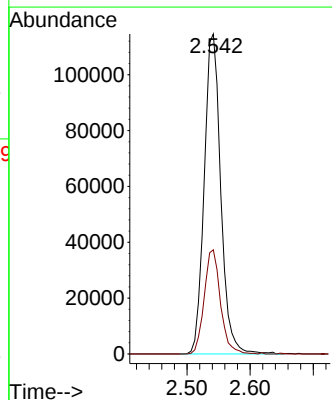
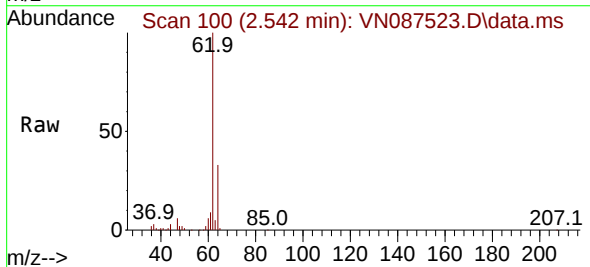
Instrument :
MSVOA_N
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VSTDCCC050EC

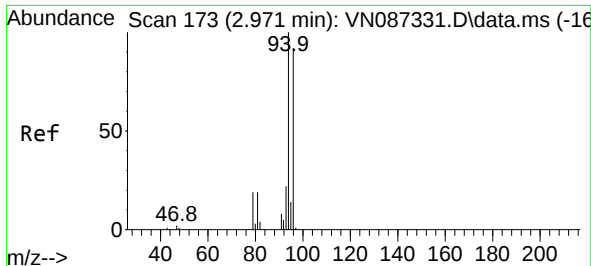
Tgt Ion: 50 Resp: 190804
Ion Ratio Lower Upper
50 100
52 31.1 26.3 39.5



#4
Vinyl Chloride
Concen: 54.987 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 62 Resp: 208362
Ion Ratio Lower Upper
62 100
64 32.5 27.0 40.6

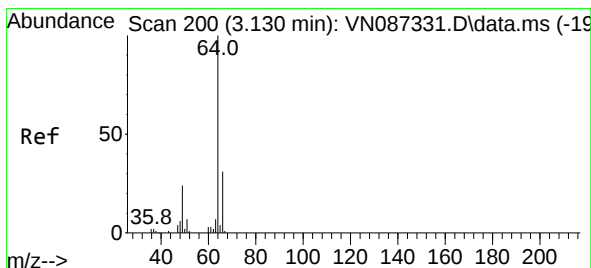
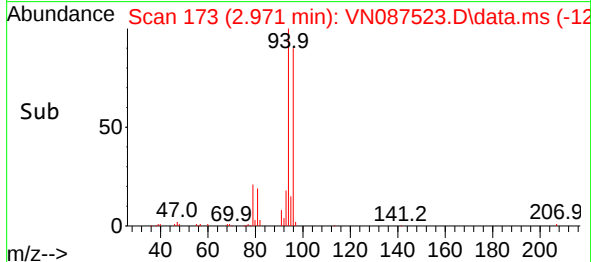
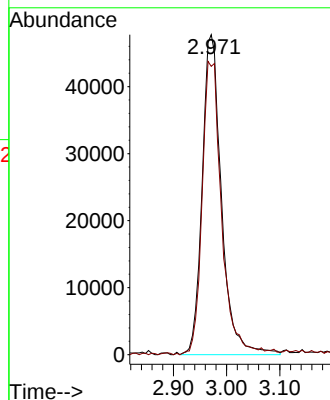
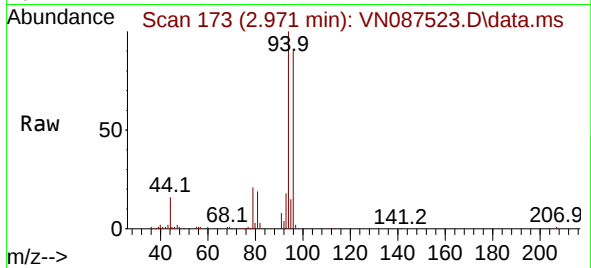




#5
Bromomethane
Concen: 61.289 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

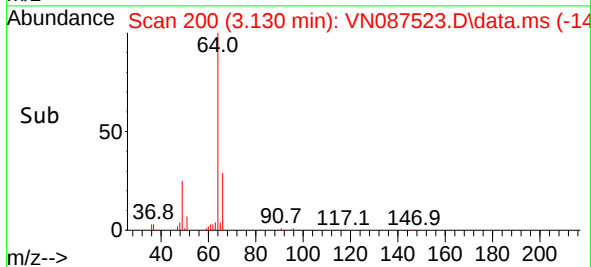
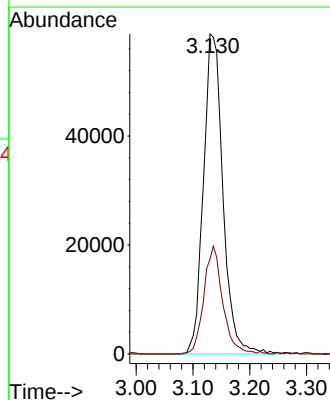
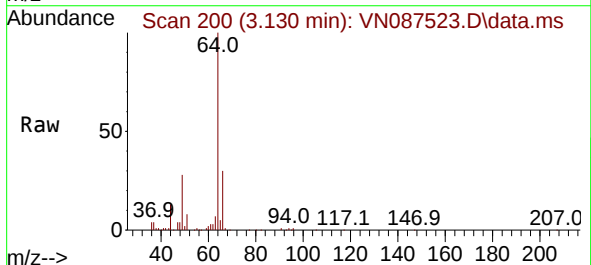
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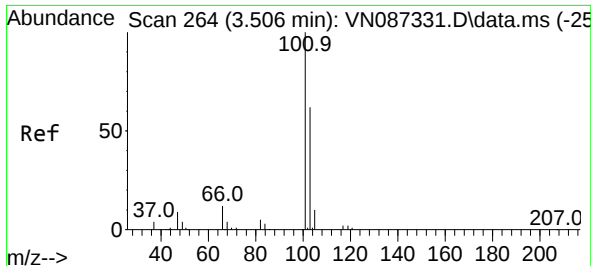
Tgt Ion: 94 Resp: 120267
Ion Ratio Lower Upper
94 100
96 90.1 73.4 110.2



#6
Chloroethane
Concen: 56.594 ug/l
RT: 3.130 min Scan# 200
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 64 Resp: 139856
Ion Ratio Lower Upper
64 100
66 29.5 24.6 36.8

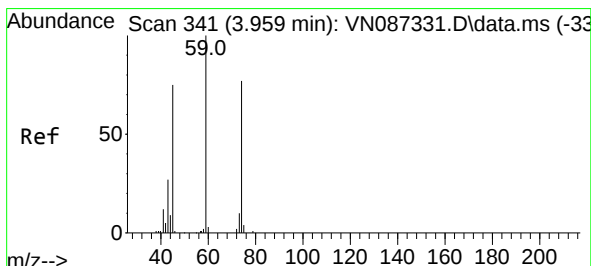
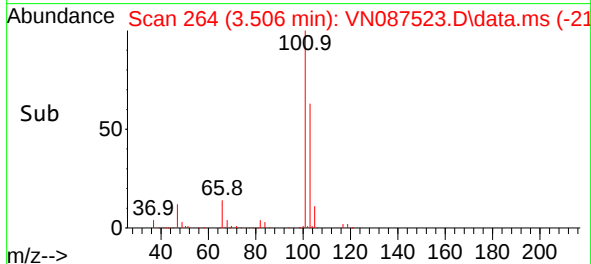
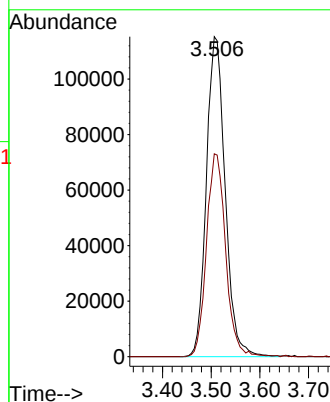
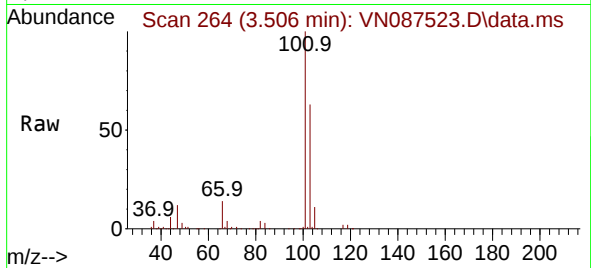




#7
 Trichlorofluoromethane
 Concen: 55.027 ug/l
 RT: 3.506 min Scan# 264
 Delta R.T. 0.000 min
 Lab File: VN087523.D
 Acq: 12 Aug 2025 18:24

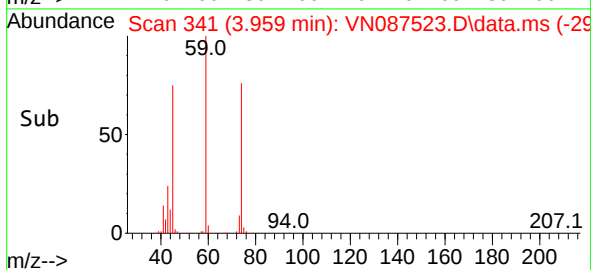
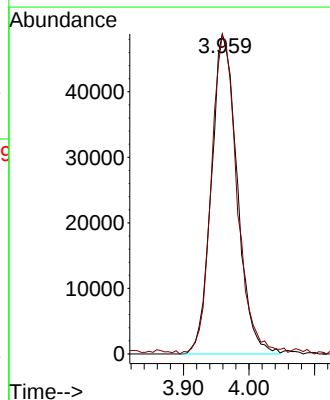
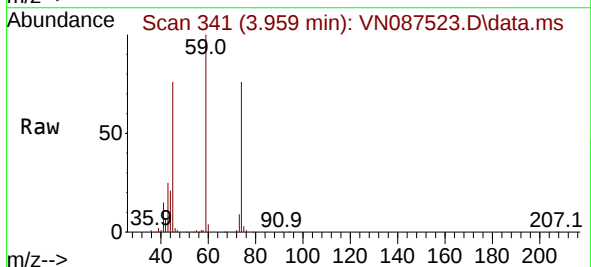
Instrument :
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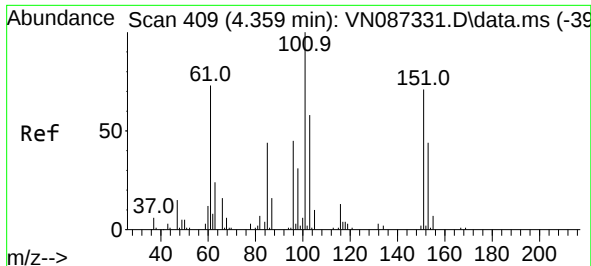
Tgt Ion:101 Resp: 308328
 Ion Ratio Lower Upper
 101 100
 103 63.4 49.8 74.6



#8
 Diethyl Ether
 Concen: 61.292 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: VN087523.D
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Tgt Ion: 74 Resp: 133220
 Ion Ratio Lower Upper
 74 100
 45 100.1 50.8 152.5

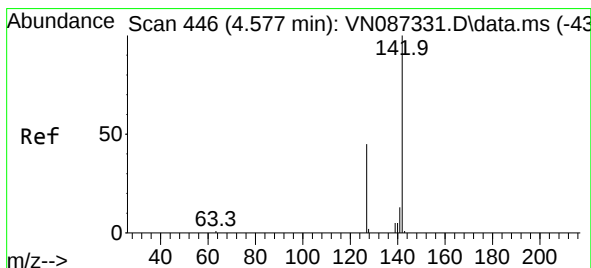
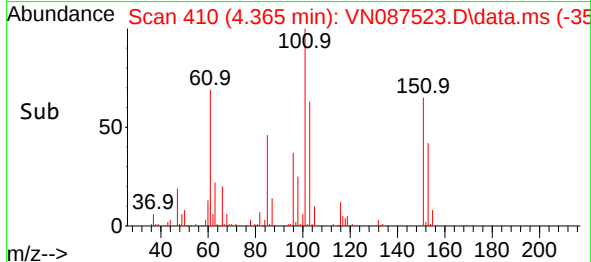
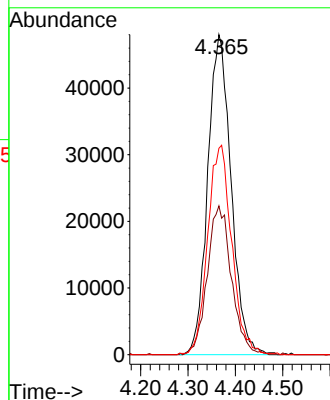
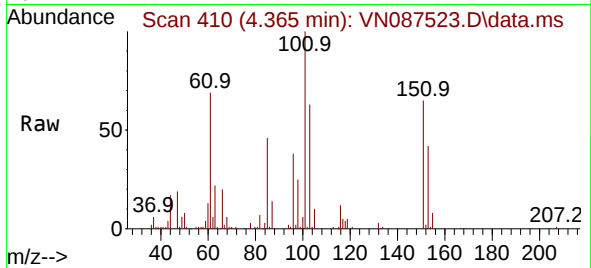




#9
1,1,2-Trichlorotrifluoroethane
Concen: 57.250 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

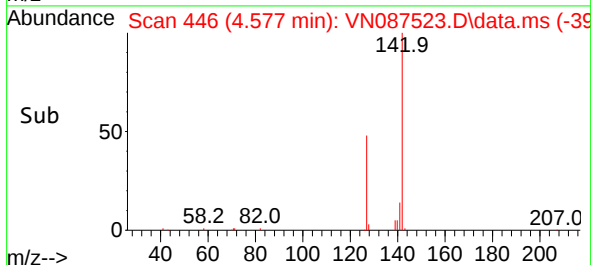
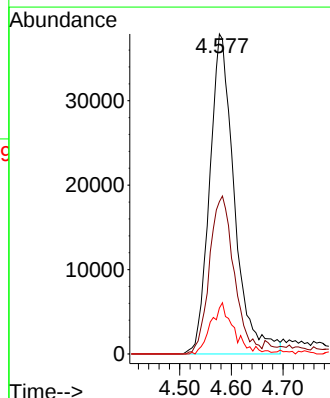
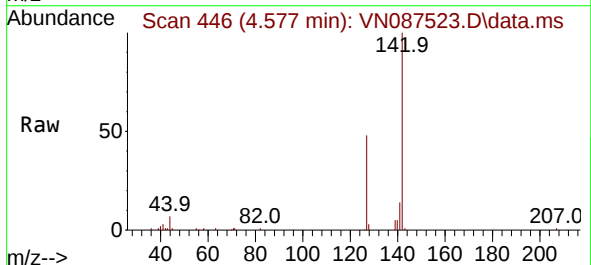
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

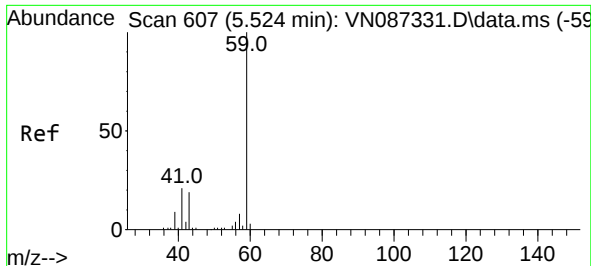
Tgt Ion:101 Resp: 164671
Ion Ratio Lower Upper
101 100
85 48.0 37.3 55.9
151 67.4 58.9 88.3



#10
Methyl Iodide
Concen: 43.458 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion:142 Resp: 126139
Ion Ratio Lower Upper
142 100
127 47.6 35.7 53.5
141 14.3 10.4 15.6

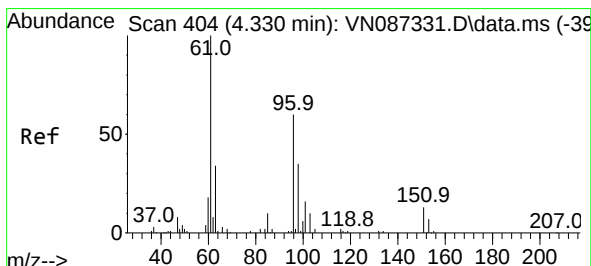
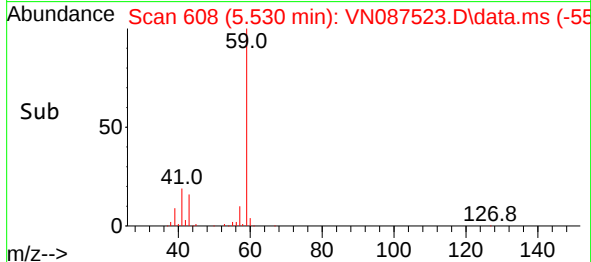
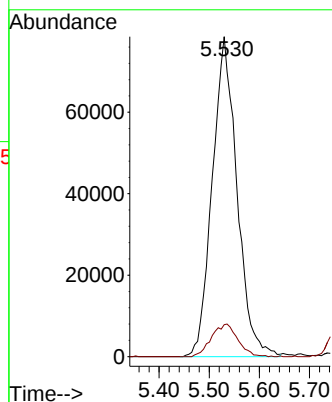
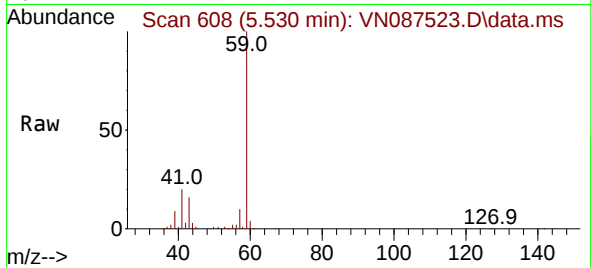




#11
Tert butyl alcohol
Concen: 292.524 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

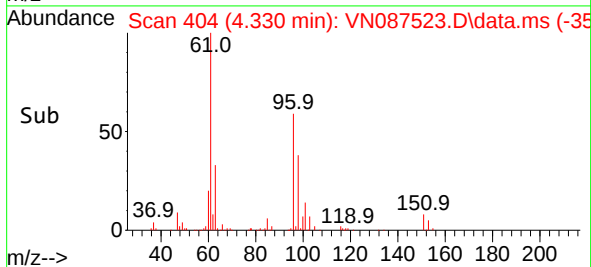
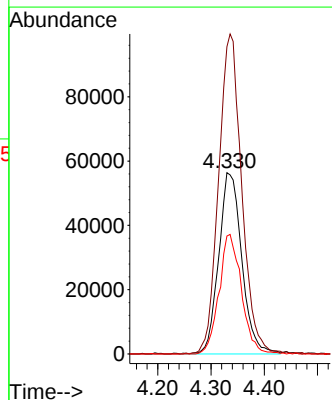
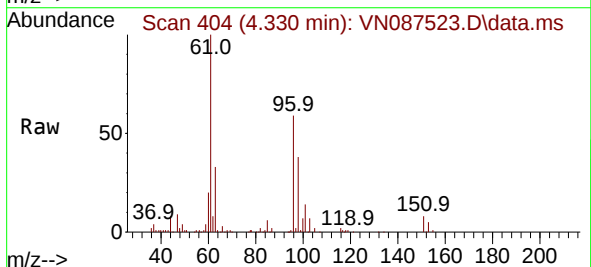
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

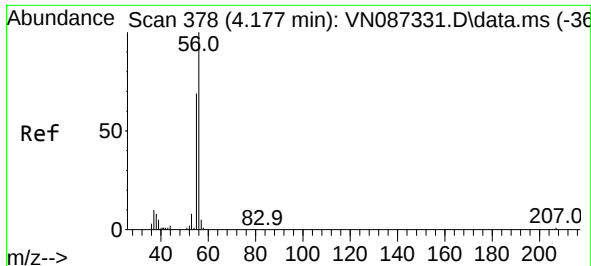
Tgt Ion: 59 Resp: 269052
Ion Ratio Lower Upper
59 100
57 11.0 8.3 12.5



#12
1,1-Dichloroethene
Concen: 52.109 ug/l
RT: 4.330 min Scan# 404
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 96 Resp: 169847
Ion Ratio Lower Upper
96 100
61 169.5 132.3 198.5
98 65.1 46.8 70.2

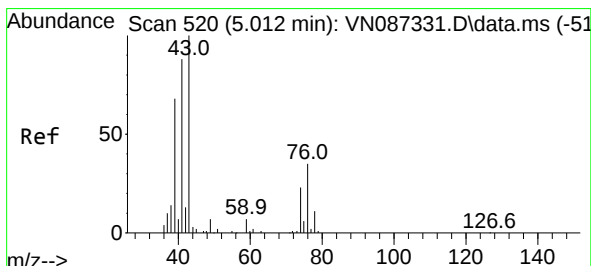
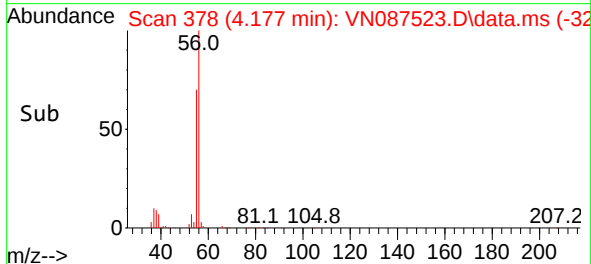
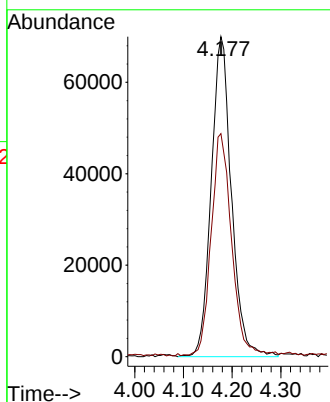
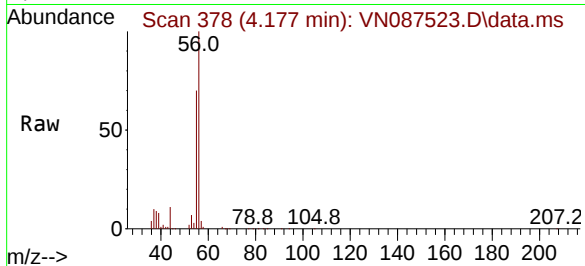




#13
Acrolein
Concen: 273.021 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

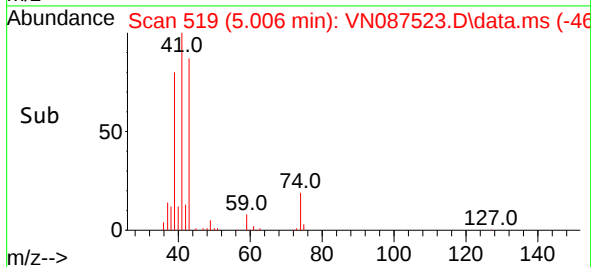
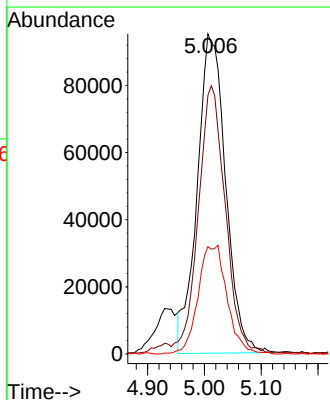
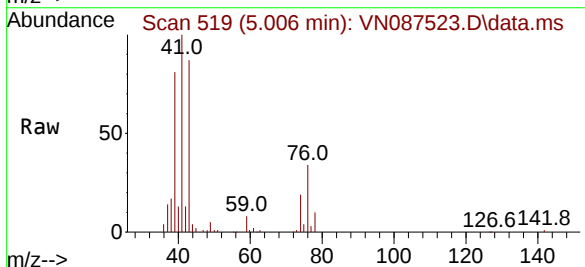
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

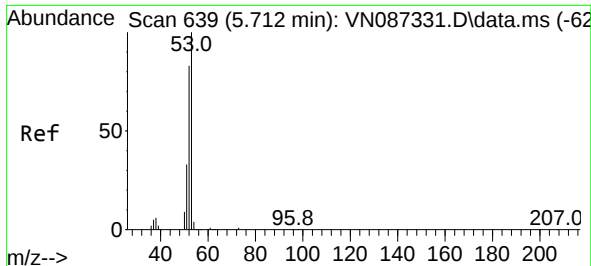
Tgt Ion: 56 Resp: 201525
Ion Ratio Lower Upper
56 100
55 69.0 56.2 84.4



#14
Allyl chloride
Concen: 55.899 ug/l
RT: 5.006 min Scan# 519
Delta R.T. -0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 41 Resp: 329739
Ion Ratio Lower Upper
41 100
39 79.3 59.0 88.6
76 34.7 28.7 43.1

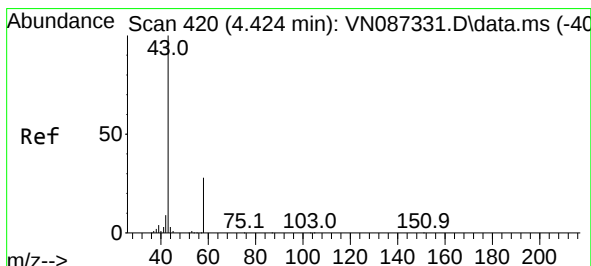
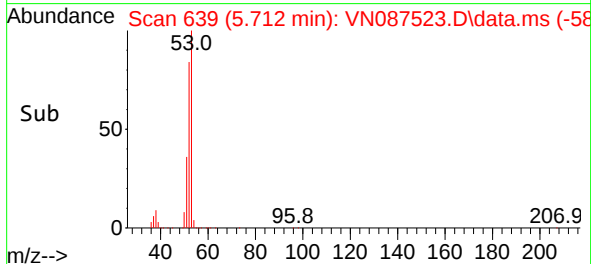
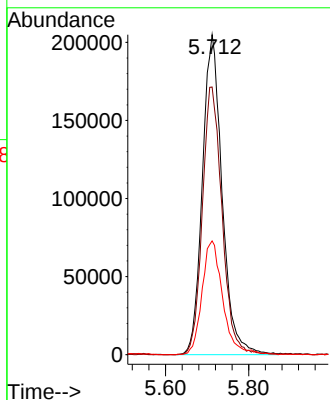
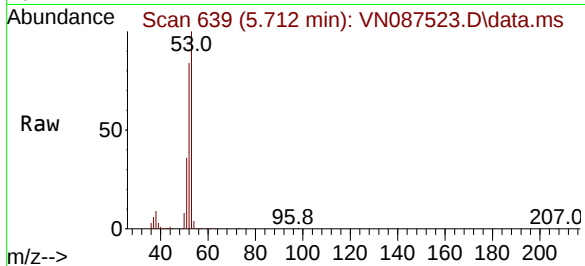




#15
Acrylonitrile
Concen: 270.715 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

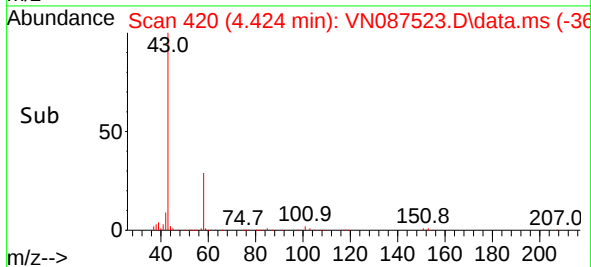
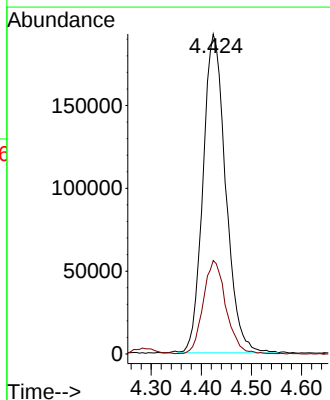
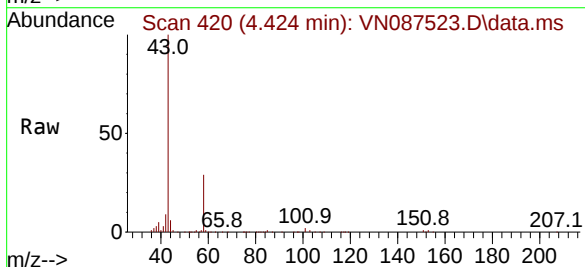
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

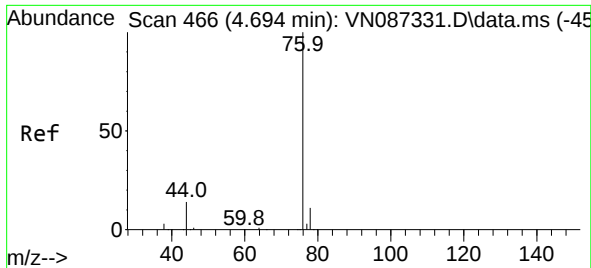
Tgt Ion: 53 Resp: 675671
Ion Ratio Lower Upper
53 100
52 83.5 65.5 98.3
51 37.4 28.7 43.1



#16
Acetone
Concen: 267.394 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 43 Resp: 607302
Ion Ratio Lower Upper
43 100
58 29.2 22.3 33.5

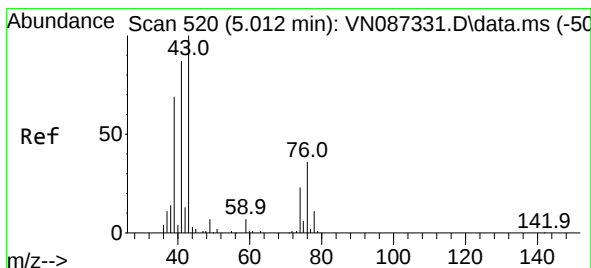
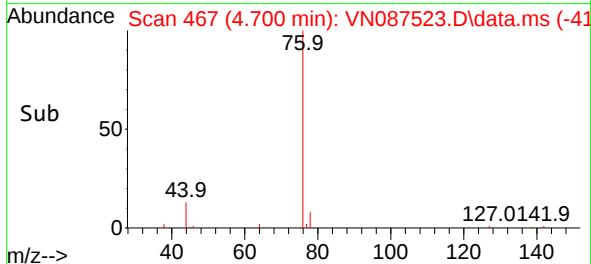
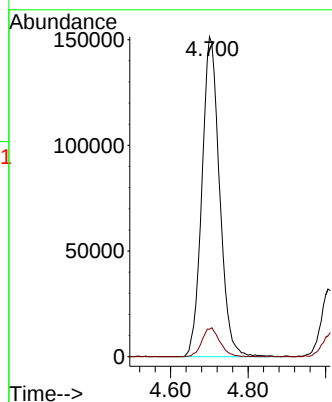
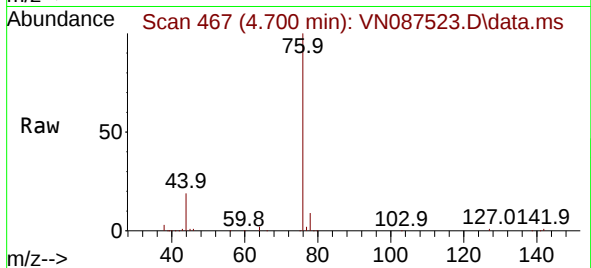




#17
Carbon Disulfide
Concen: 49.434 ug/l
RT: 4.700 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

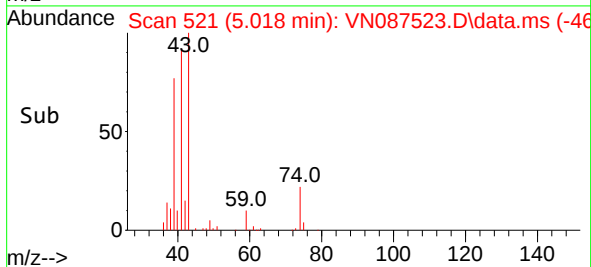
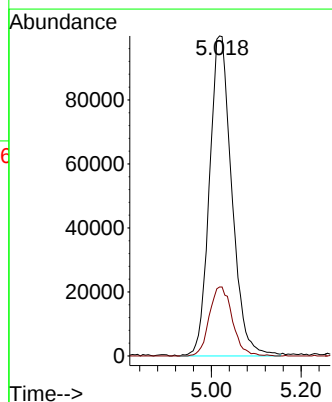
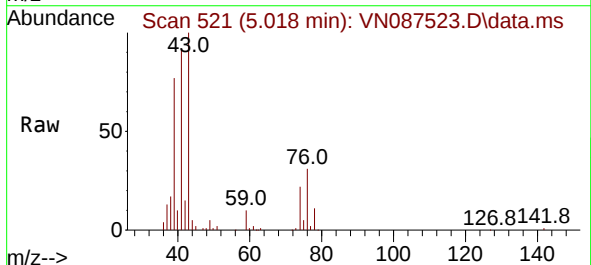
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

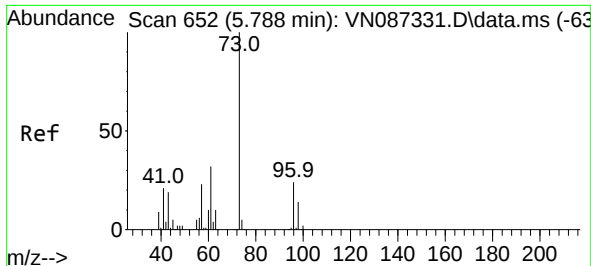
Tgt Ion: 76 Resp: 477701
Ion Ratio Lower Upper
76 100
78 8.6 8.6 13.0#



#18
Methyl Acetate
Concen: 60.687 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 43 Resp: 346284
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.6

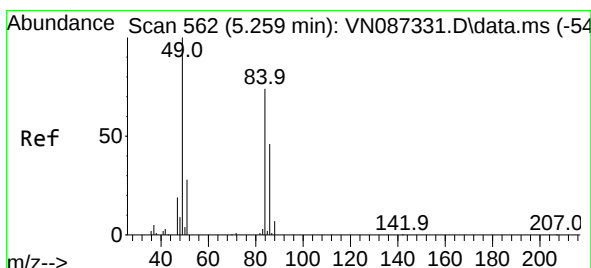
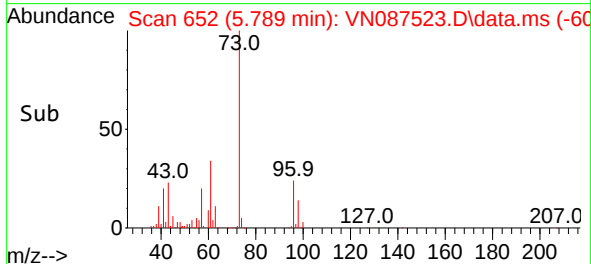
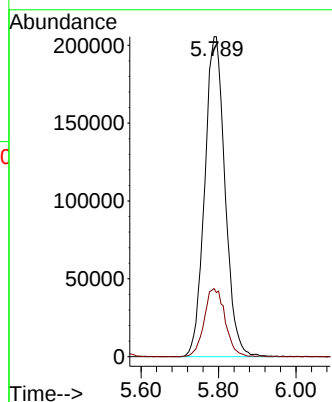
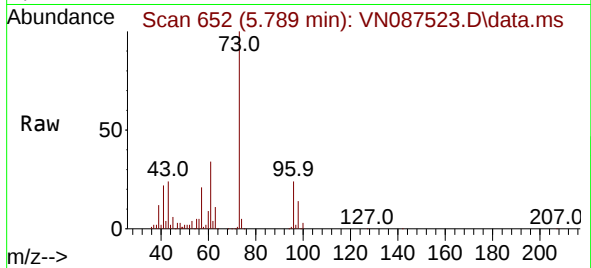




#19
Methyl tert-butyl Ether
Concen: 62.308 ug/l
RT: 5.789 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

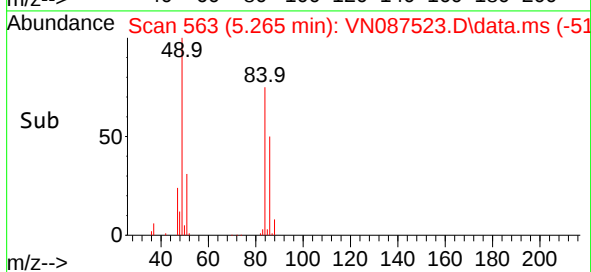
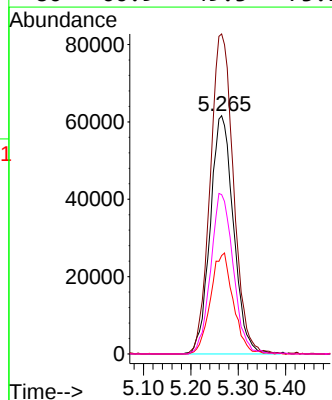
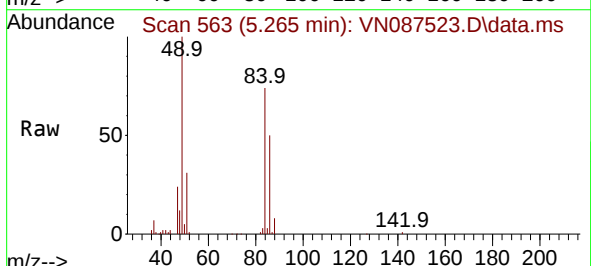
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

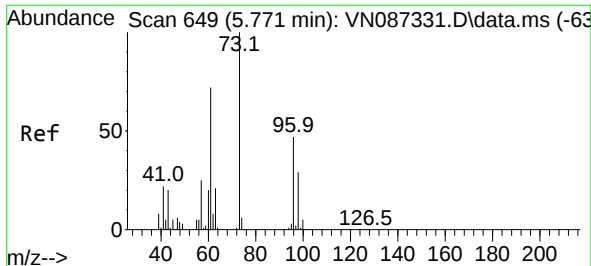
Tgt Ion: 73 Resp: 748569
Ion Ratio Lower Upper
73 100
57 21.3 18.6 27.8



#20
Methylene Chloride
Concen: 54.860 ug/l
RT: 5.265 min Scan# 563
Delta R.T. 0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 84 Resp: 210389
Ion Ratio Lower Upper
84 100
49 134.3 107.5 161.3
51 41.3 30.2 45.2
86 66.9 49.3 73.9

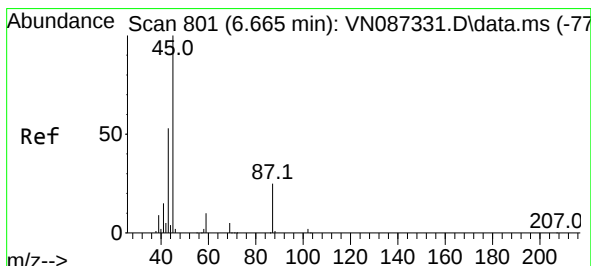
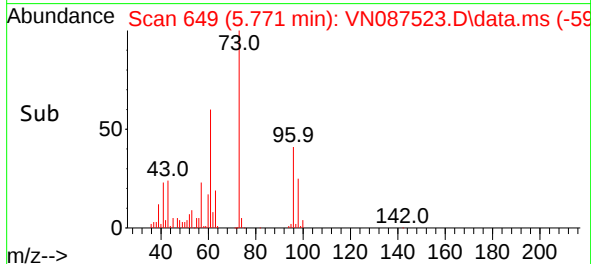
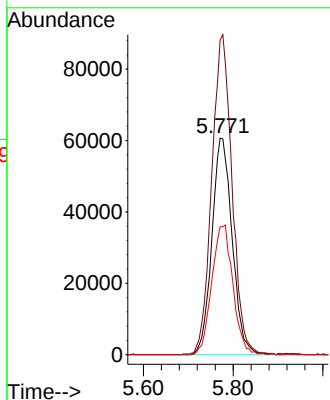
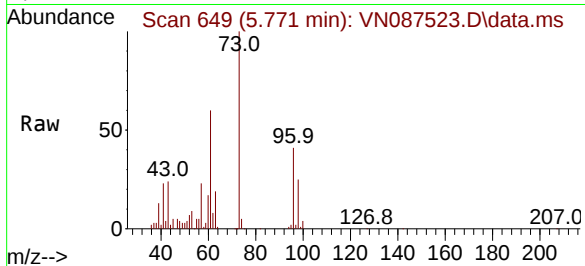




#21
trans-1,2-Dichloroethene
Concen: 51.910 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

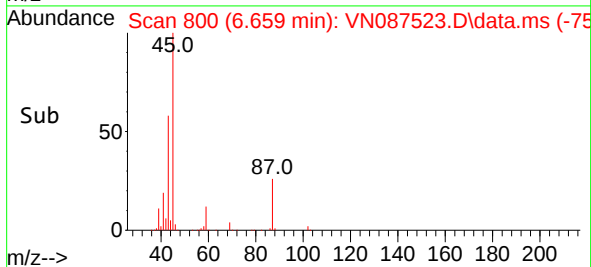
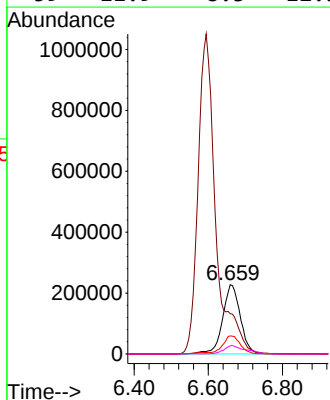
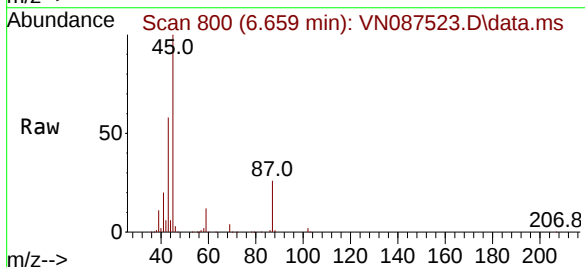
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

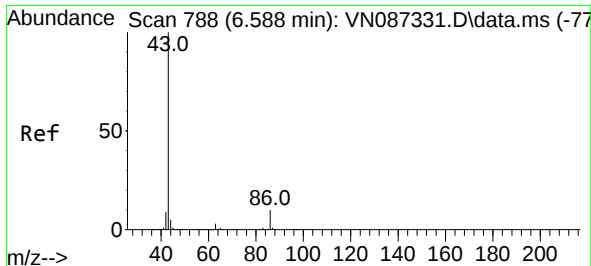
Tgt Ion: 96 Resp: 190780
Ion Ratio Lower Upper
96 100
61 145.3 122.0 183.0
98 59.1 50.0 75.0



#22
Diisopropyl ether
Concen: 60.966 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 45 Resp: 754357
Ion Ratio Lower Upper
45 100
43 58.1 42.8 64.2
87 26.0 19.8 29.6
59 11.9 8.3 12.5

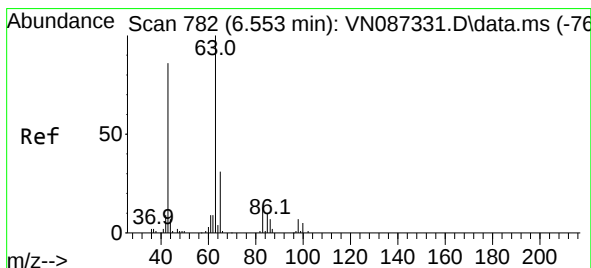
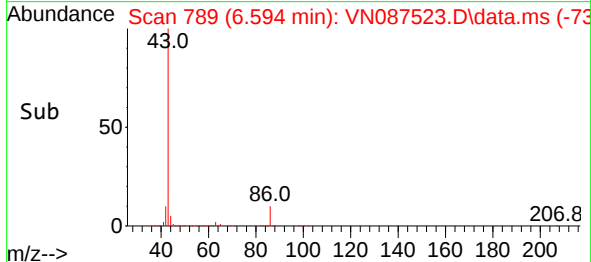
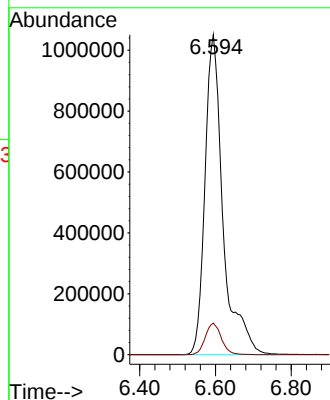
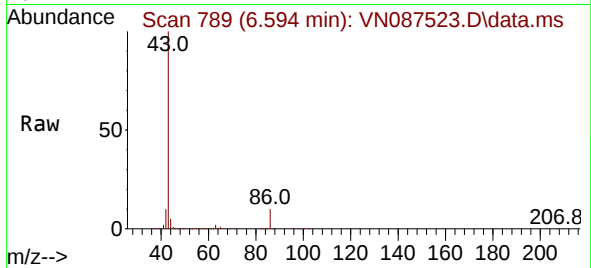




#23
 Vinyl Acetate
 Concen: 320.781 ug/l
 RT: 6.594 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VN087523.D
 Acq: 12 Aug 2025 18:24

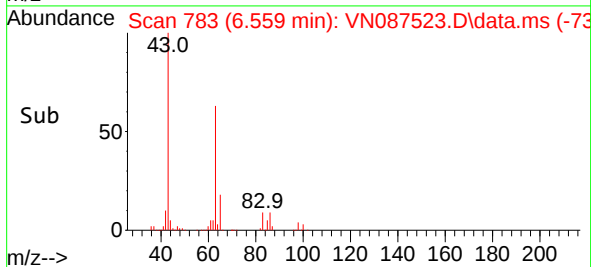
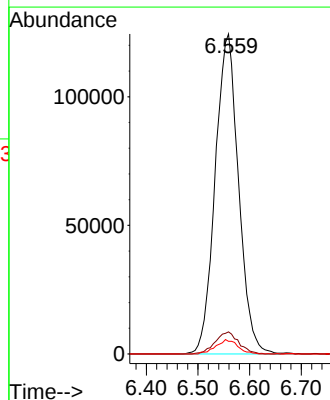
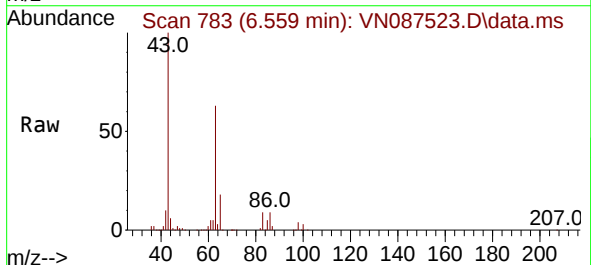
Instrument :
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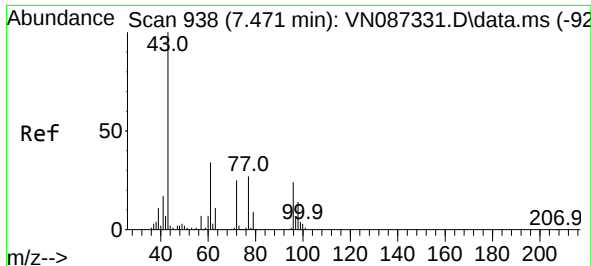
Tgt Ion: 43 Resp: 3471379
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.7 11.5



#24
 1,1-Dichloroethane
 Concen: 54.763 ug/l
 RT: 6.559 min Scan# 783
 Delta R.T. 0.006 min
 Lab File: VN087523.D
 Acq: 12 Aug 2025 18:24

Tgt Ion: 63 Resp: 390926
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.9
 100 4.0 2.5 7.4

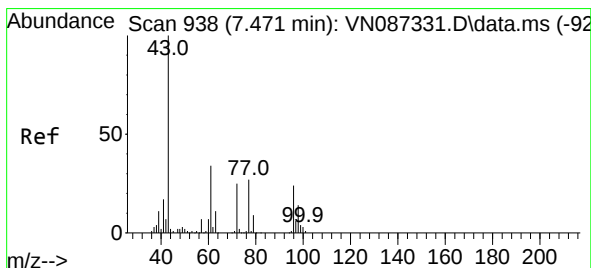
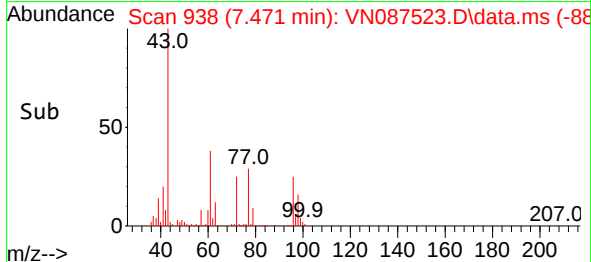
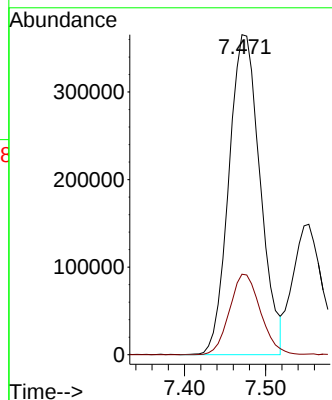
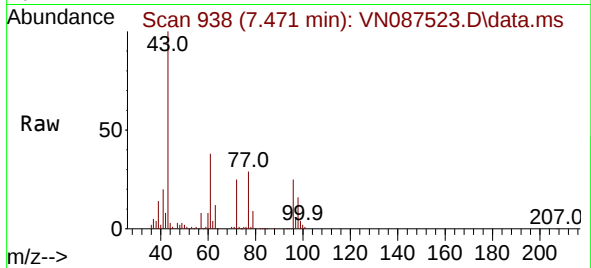




#25
2-Butanone
Concen: 279.267 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

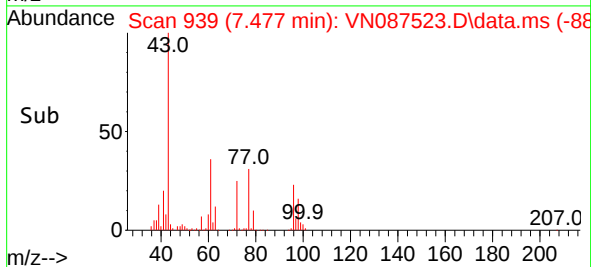
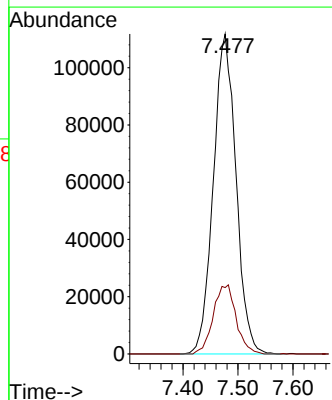
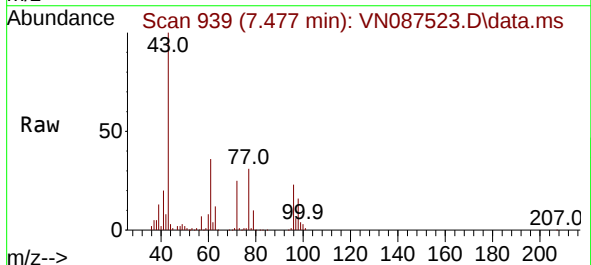
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

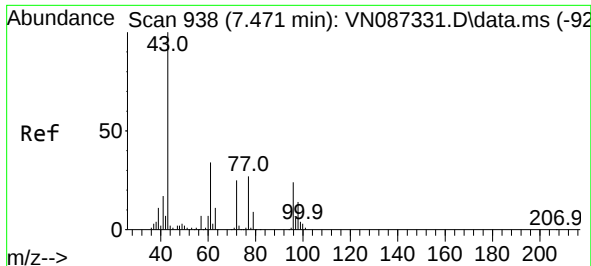
Tgt Ion: 43 Resp: 980006
Ion Ratio Lower Upper
43 100
72 25.2 19.6 29.4



#26
2,2-Dichloropropane
Concen: 57.670 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 77 Resp: 320069
Ion Ratio Lower Upper
77 100
97 21.7 11.1 33.1

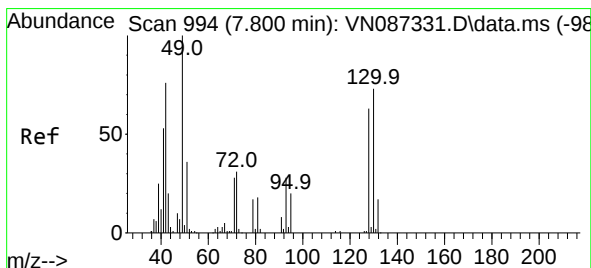
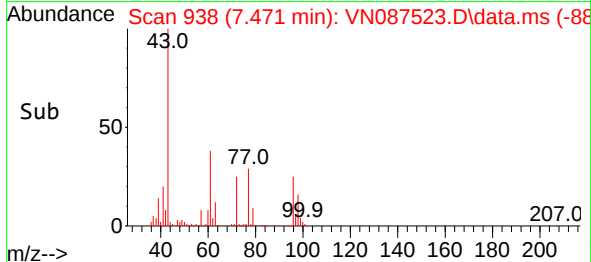
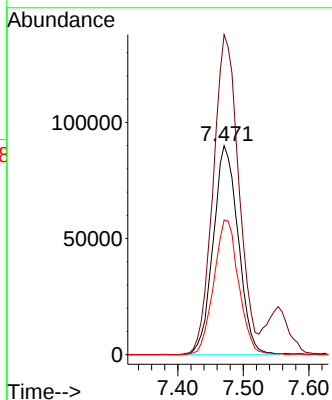
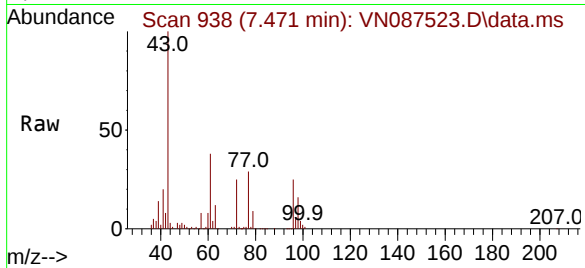




#27
 cis-1,2-Dichloroethene
 Concen: 56.262 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VN087523.D
 Acq: 12 Aug 2025 18:24

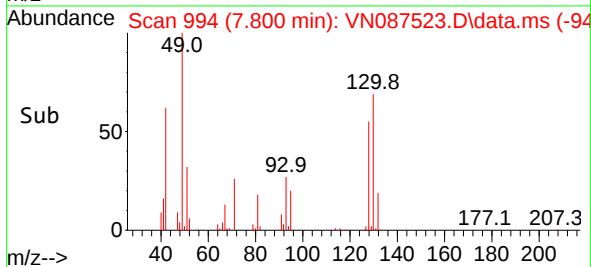
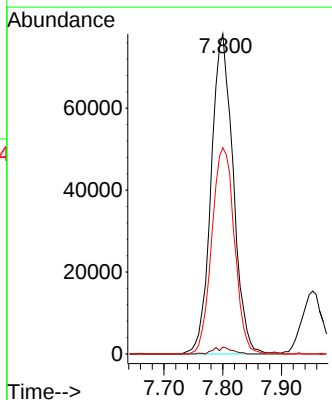
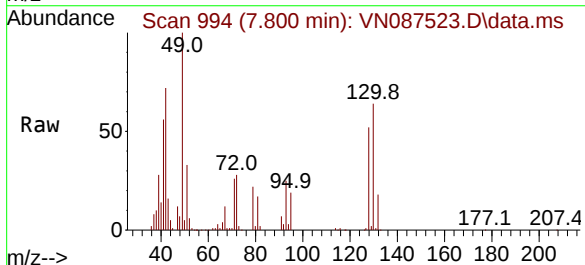
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

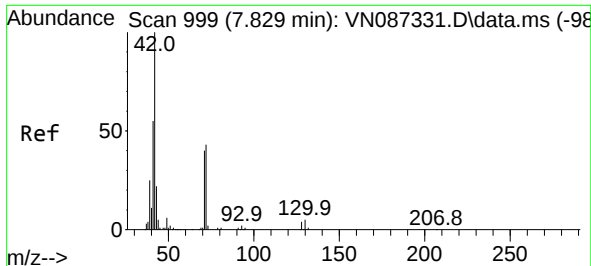
Tgt Ion: 96 Resp: 238056
 Ion Ratio Lower Upper
 96 100
 61 157.0 0.0 297.8
 98 64.1 0.0 132.4



#28
 Bromochloromethane
 Concen: 59.475 ug/l
 RT: 7.800 min Scan# 994
 Delta R.T. 0.000 min
 Lab File: VN087523.D
 Acq: 12 Aug 2025 18:24

Tgt Ion: 49 Resp: 203192
 Ion Ratio Lower Upper
 49 100
 129 1.8 0.0 4.2
 130 66.1 57.3 85.9





#29

Tetrahydrofuran

Concen: 286.376 ug/l

RT: 7.830 min Scan# 999

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

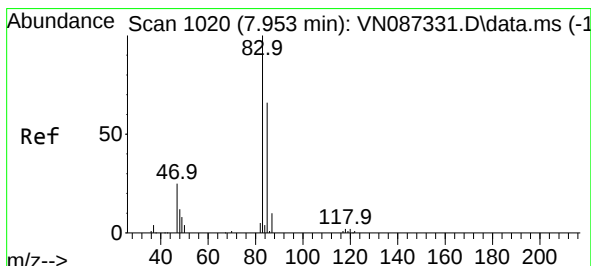
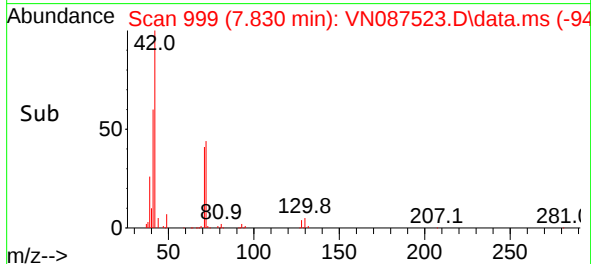
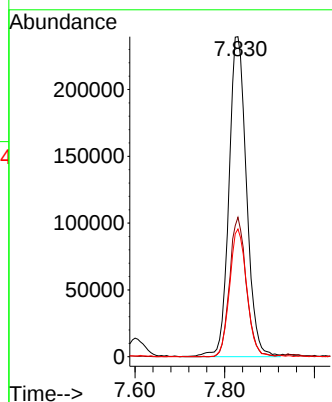
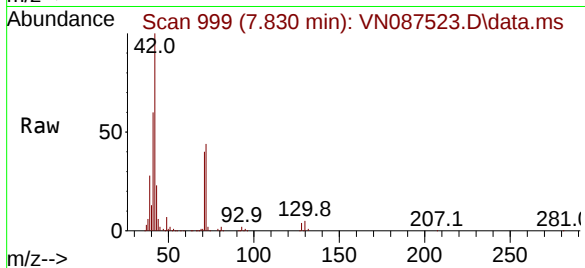
Tgt Ion: 42 Resp: 652846

Ion Ratio Lower Upper

42 100

72 41.3 33.4 50.0

71 38.9 31.2 46.8



#30

Chloroform

Concen: 57.789 ug/l

RT: 7.953 min Scan# 1020

Delta R.T. 0.000 min

Lab File: VN087523.D

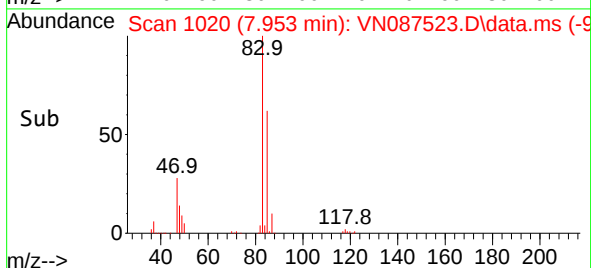
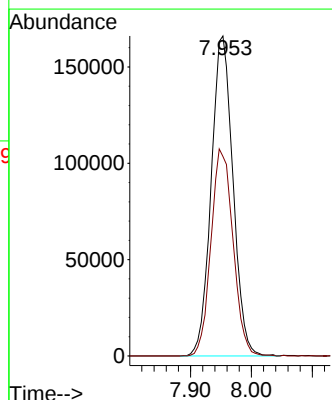
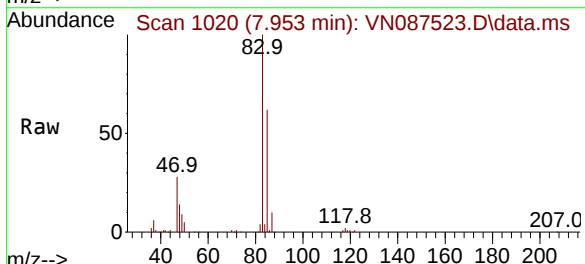
Acq: 12 Aug 2025 18:24

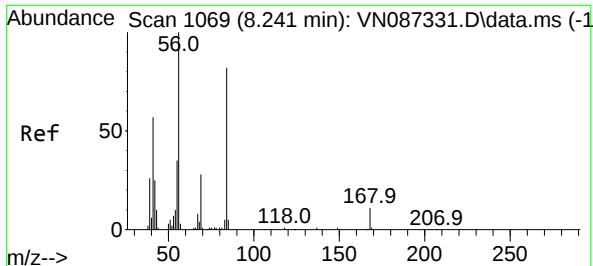
Tgt Ion: 83 Resp: 412910

Ion Ratio Lower Upper

83 100

85 62.3 52.7 79.1

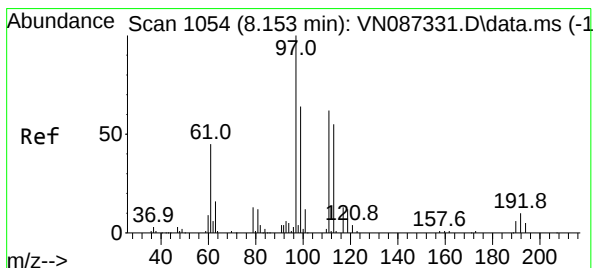
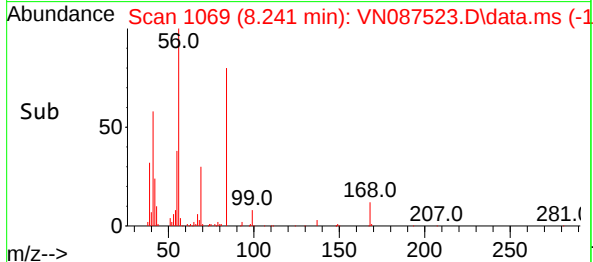
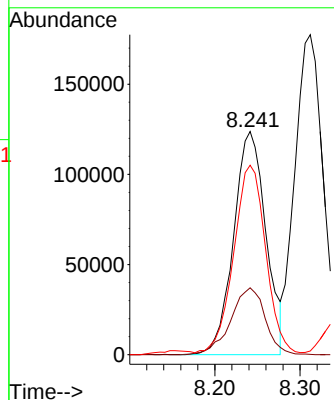
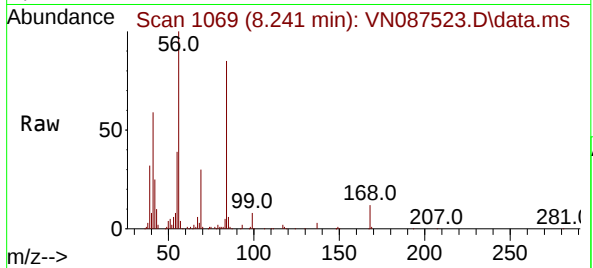




#31
Cyclohexane
Concen: 54.834 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

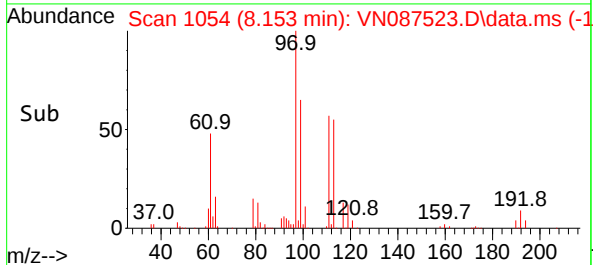
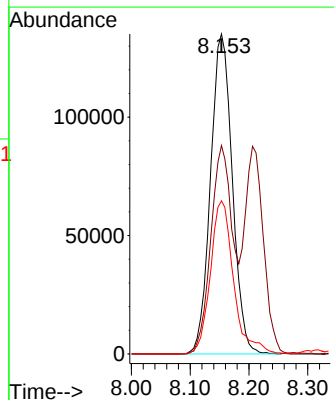
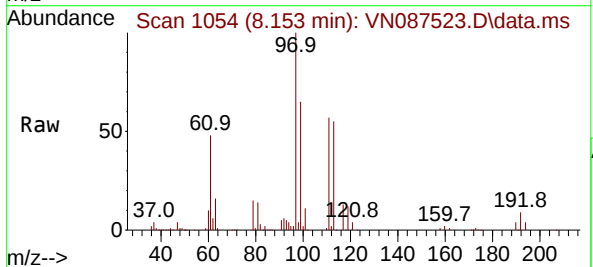
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

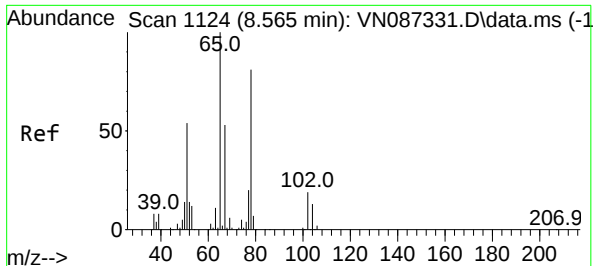
Tgt Ion: 56 Resp: 326538
Ion Ratio Lower Upper
56 100
69 30.0 22.7 34.1
84 83.3 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 56.164 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 97 Resp: 347571
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.8
61 51.1 38.7 58.1





#33

1,2-Dichloroethane-d4

Concen: 54.963 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

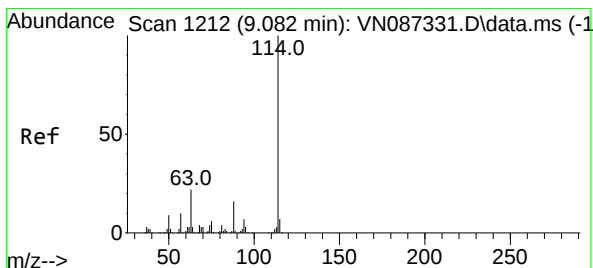
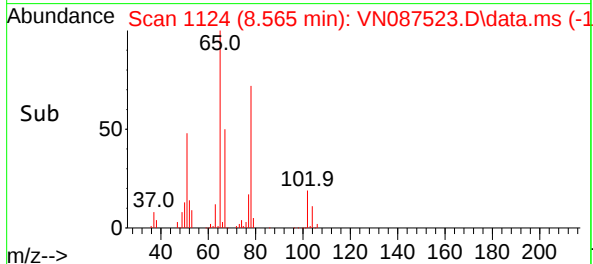
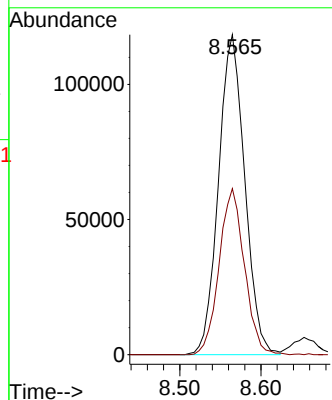
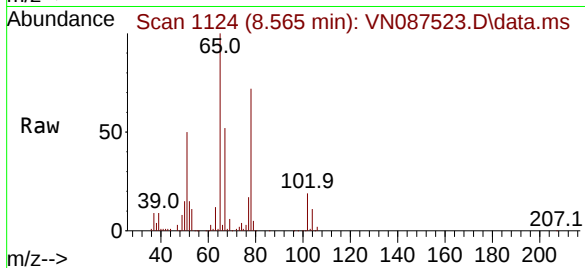
VSTDCCC050EC

Tgt Ion: 65 Resp: 266240

Ion Ratio Lower Upper

65 100

67 49.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

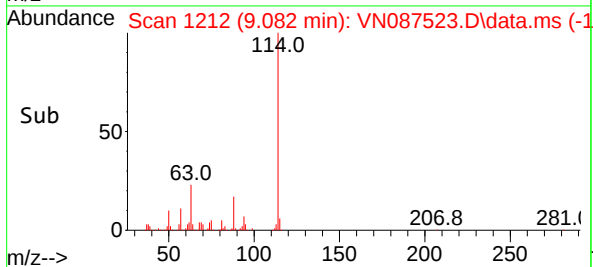
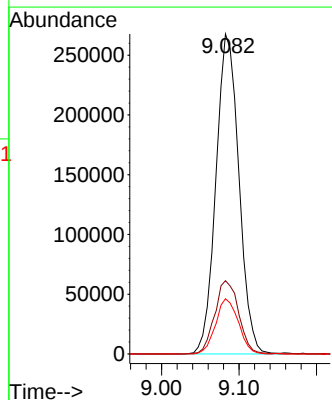
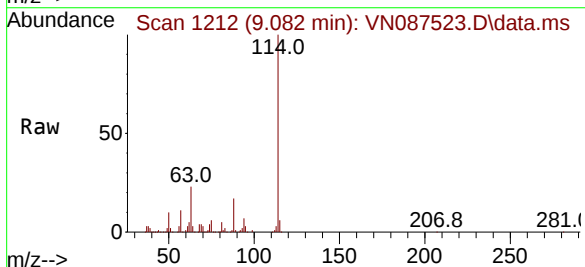
Tgt Ion: 114 Resp: 551652

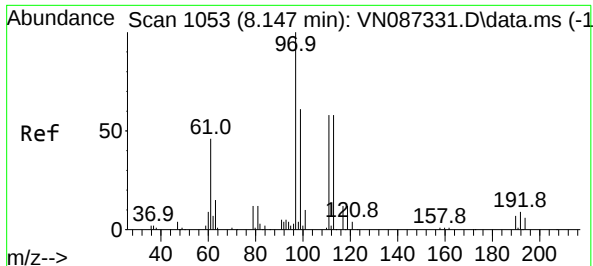
Ion Ratio Lower Upper

114 100

63 22.9 0.0 44.6

88 17.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.339 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

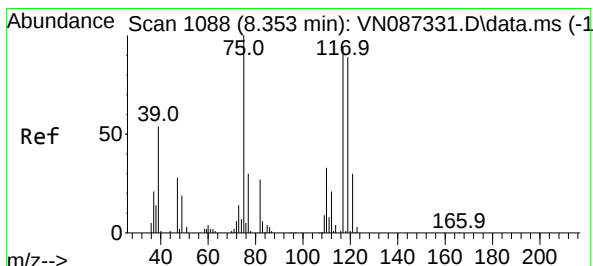
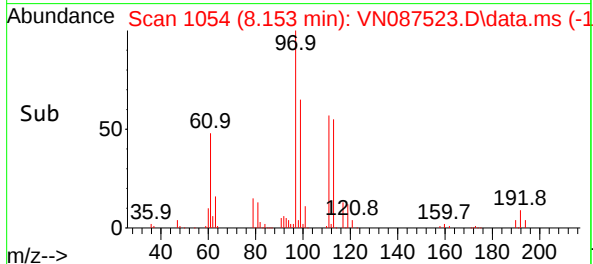
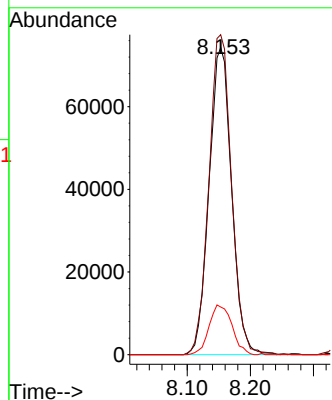
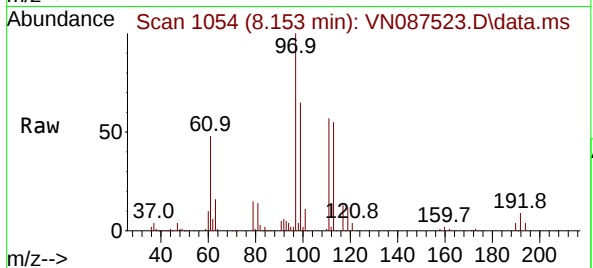
Tgt Ion:113 Resp: 183944

Ion Ratio Lower Upper

113 100

111 104.5 82.5 123.7

192 16.5 13.7 20.5



#36

1,1-Dichloropropene

Concen: 53.916 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

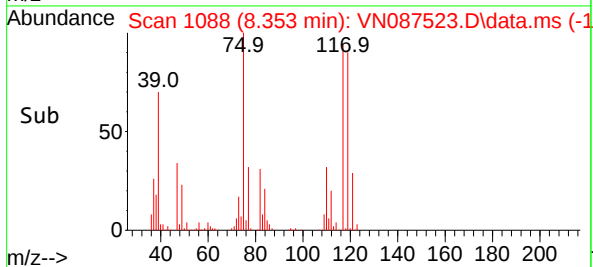
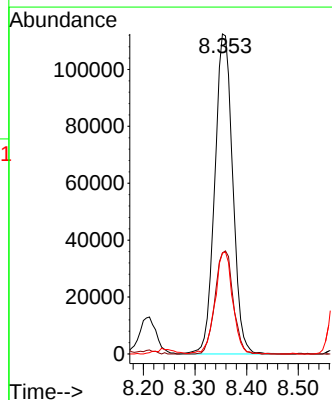
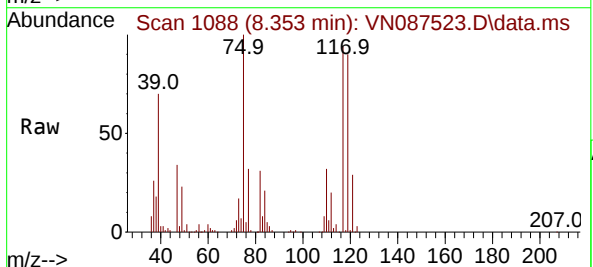
Tgt Ion: 75 Resp: 271059

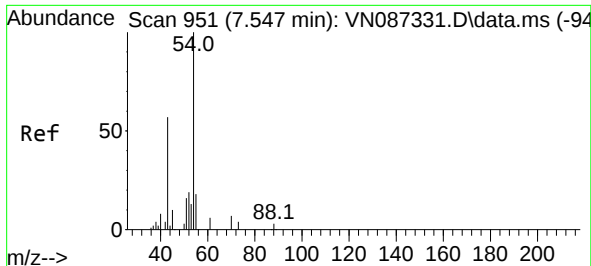
Ion Ratio Lower Upper

75 100

110 32.5 16.7 50.1

77 31.4 25.2 37.8





#37

Ethyl Acetate

Concen: 53.679 ug/l

RT: 7.553 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

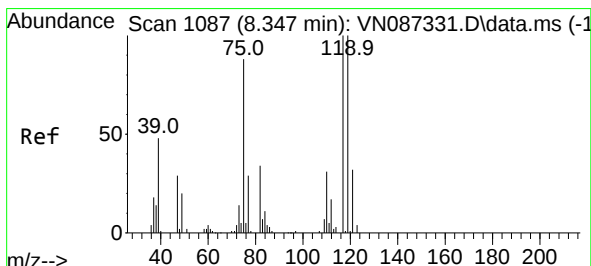
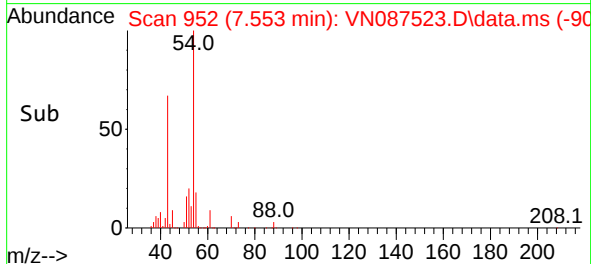
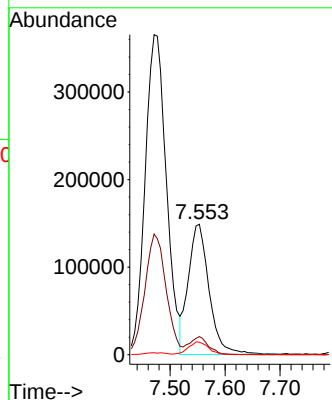
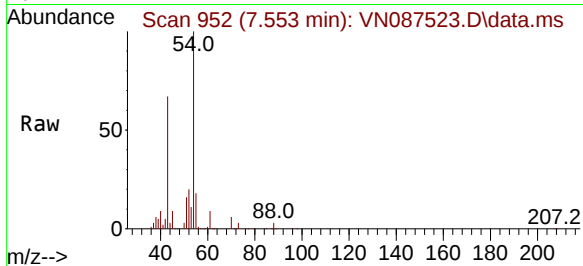
Tgt Ion: 43 Resp: 389758

Ion Ratio Lower Upper

43 100

61 12.6 10.9 16.3

70 9.6 7.4 11.0



#38

Carbon Tetrachloride

Concen: 50.817 ug/l

RT: 8.347 min Scan# 1087

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

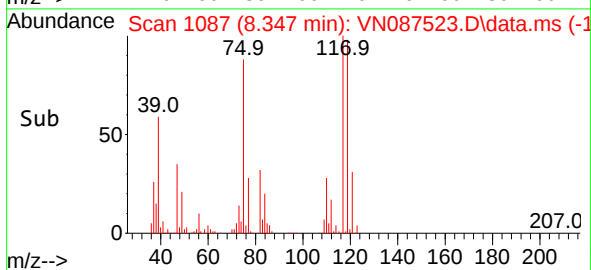
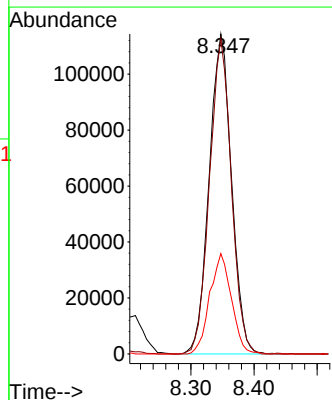
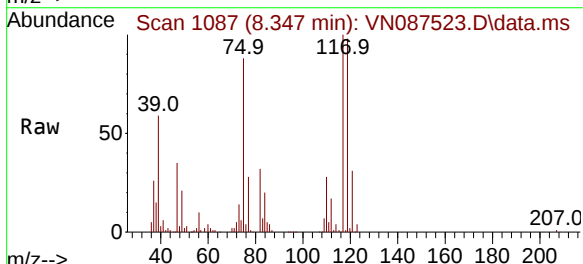
Tgt Ion: 117 Resp: 281436

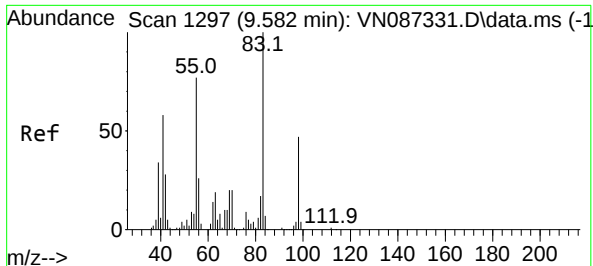
Ion Ratio Lower Upper

117 100

119 98.4 80.2 120.2

121 31.3 25.4 38.2





#39

Methylcyclohexane

Concen: 55.604 ug/l

RT: 9.582 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

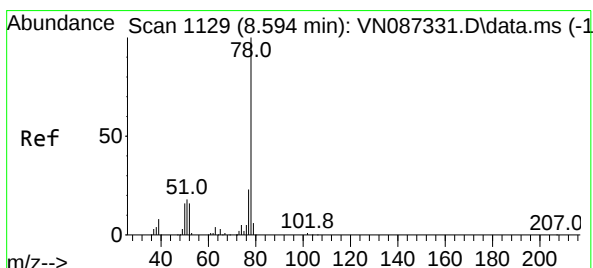
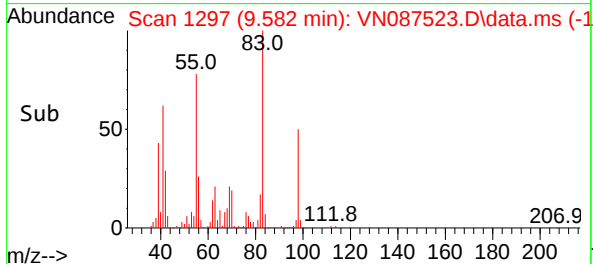
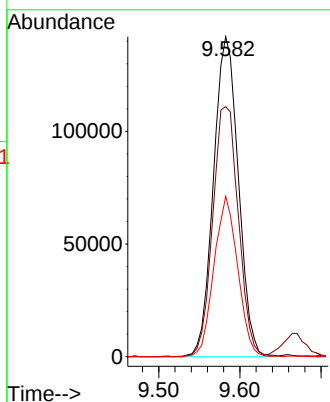
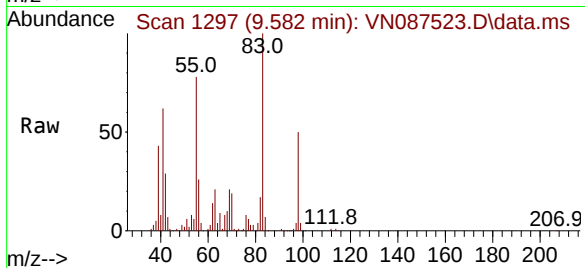
Tgt Ion: 83 Resp: 302648

Ion Ratio Lower Upper

83 100

55 78.0 61.3 91.9

98 50.1 37.9 56.9



#40

Benzene

Concen: 52.632 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087523.D

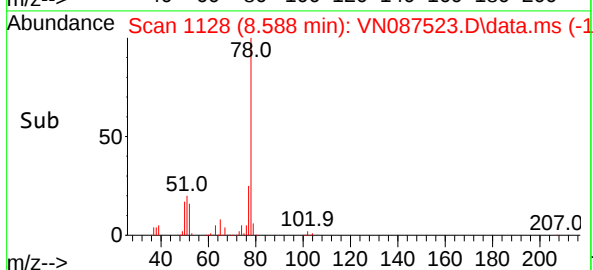
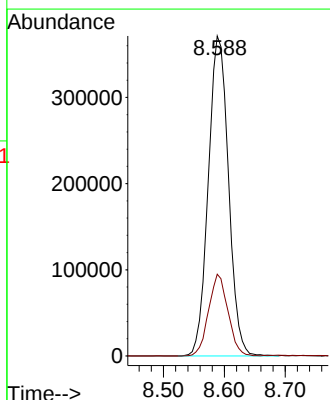
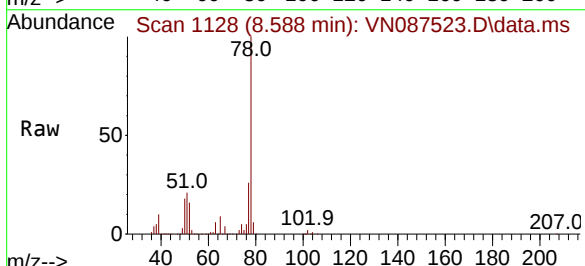
Acq: 12 Aug 2025 18:24

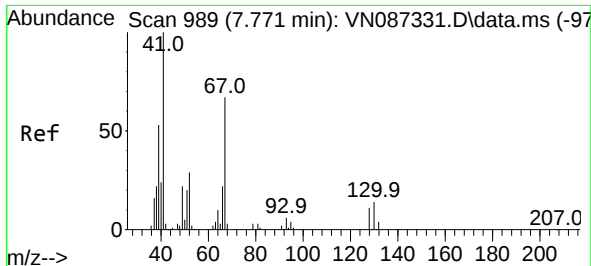
Tgt Ion: 78 Resp: 855204

Ion Ratio Lower Upper

78 100

77 25.6 18.2 27.2

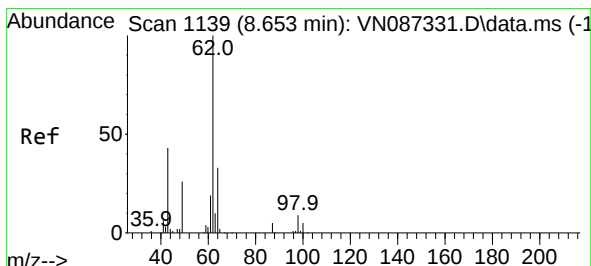
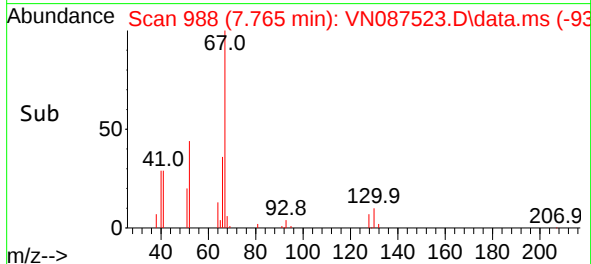
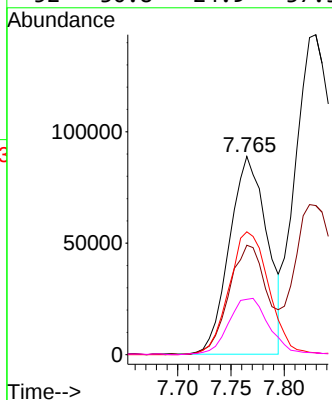
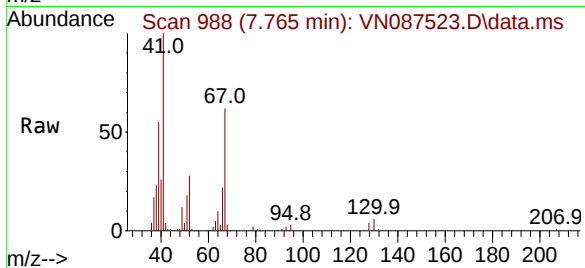




#41
Methacrylonitrile
Concen: 57.788 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

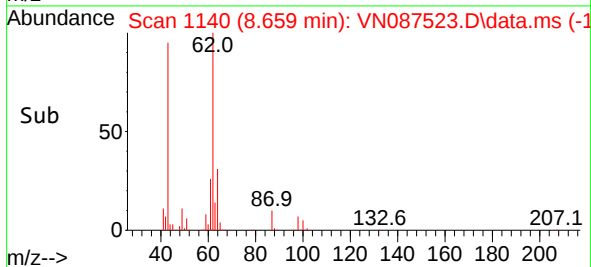
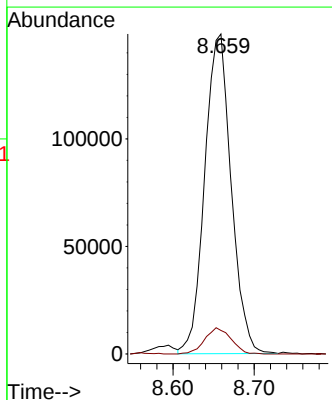
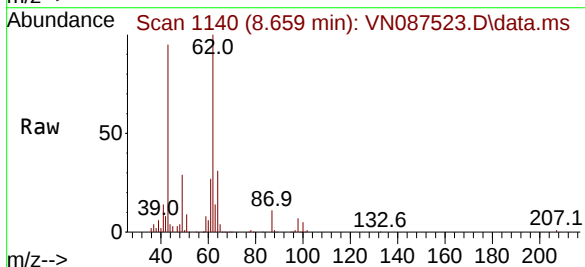
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

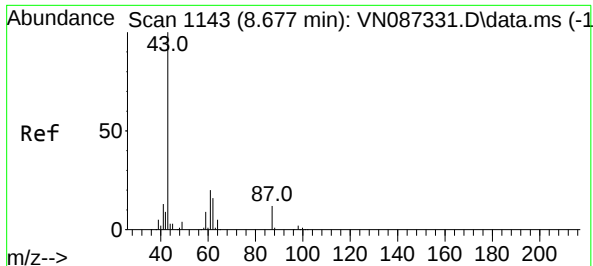
Tgt Ion:	41	Resp:	219396
Ion	Ratio	Lower	Upper
41	100		
39	56.1	43.4	65.0
67	65.8	55.1	82.7
52	30.8	24.9	37.3



#42
1,2-Dichloroethane
Concen: 54.642 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. 0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion:	62	Resp:	336700
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	18.0

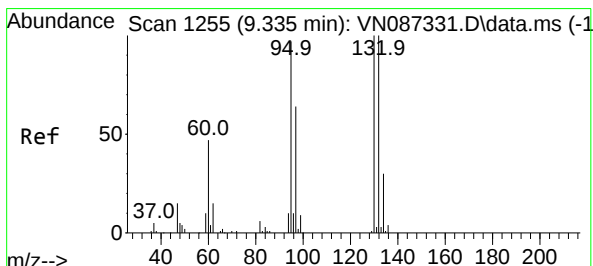
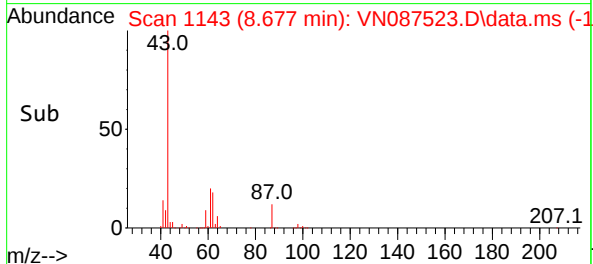
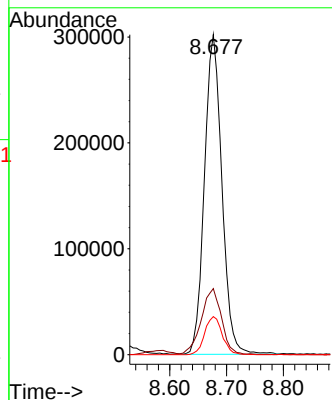
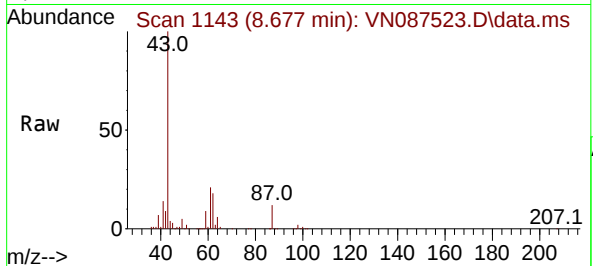




#43
Isopropyl Acetate
Concen: 57.140 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

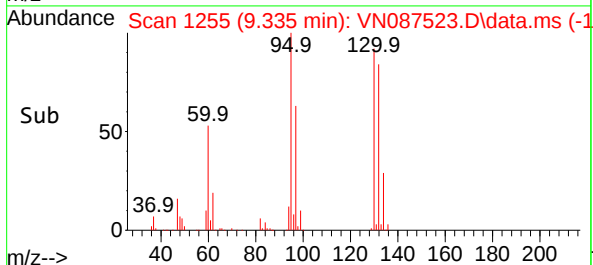
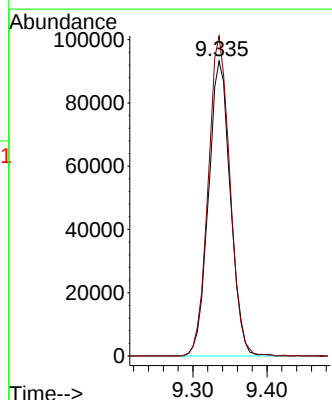
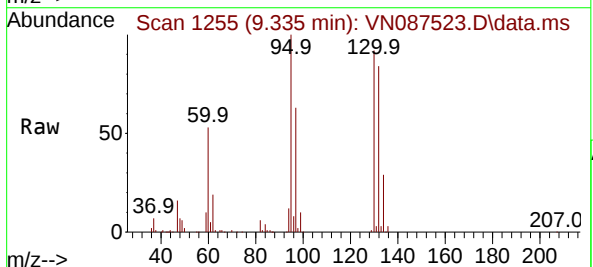
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

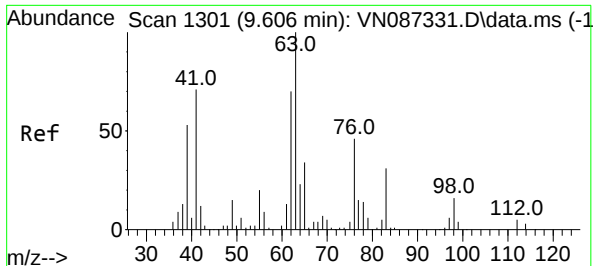
Tgt Ion: 43 Resp: 644040
Ion Ratio Lower Upper
43 100
61 23.6 19.8 29.8
87 12.0 9.8 14.6



#44
Trichloroethene
Concen: 49.833 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion:130 Resp: 191326
Ion Ratio Lower Upper
130 100
95 108.6 0.0 195.2





#45

1,2-Dichloropropane

Concen: 53.446 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. -0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

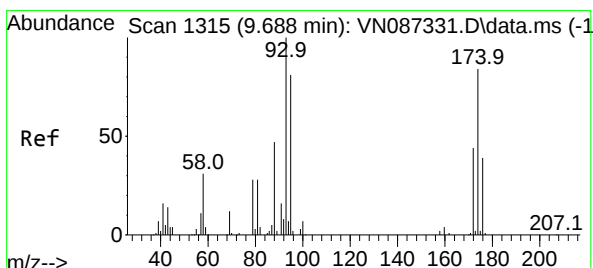
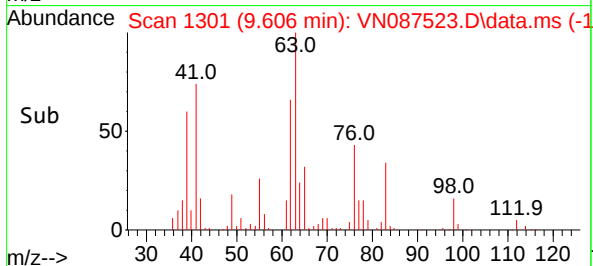
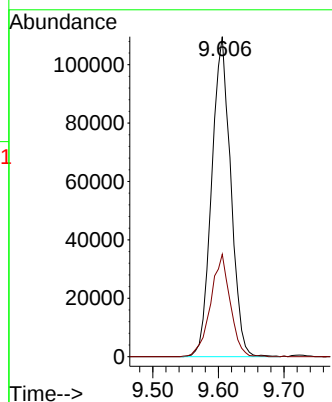
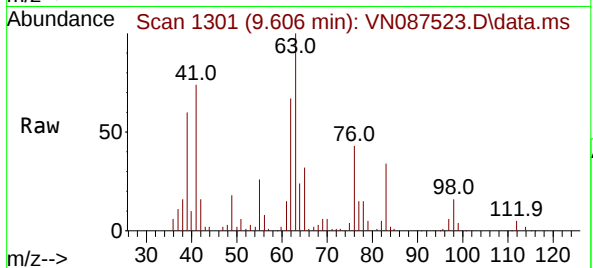
VSTDCCC050EC

Tgt Ion: 63 Resp: 220662

Ion Ratio Lower Upper

63 100

65 32.0 27.0 40.4



#46

Dibromomethane

Concen: 53.257 ug/l

RT: 9.694 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

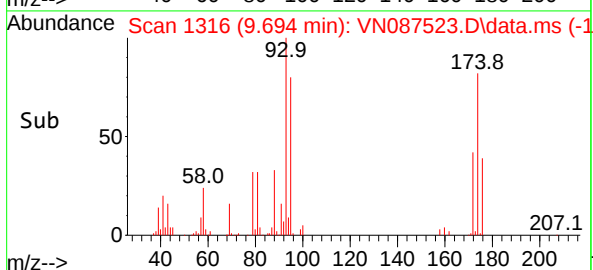
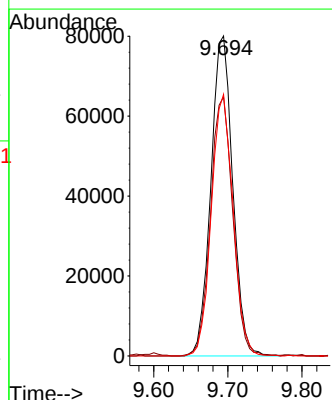
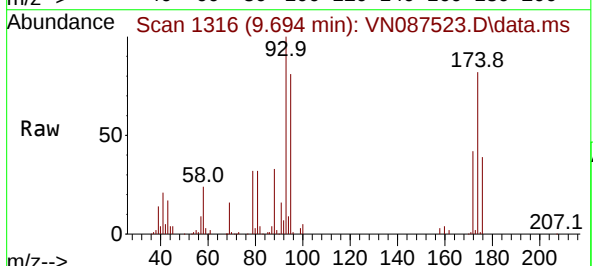
Tgt Ion: 93 Resp: 164628

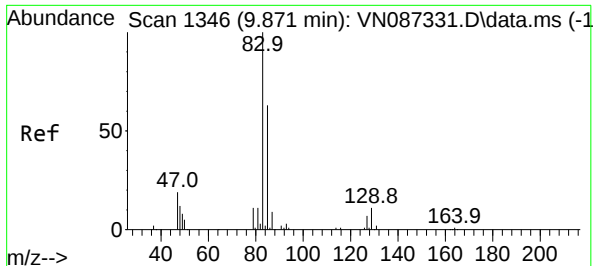
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.8

174 81.2 69.9 104.9

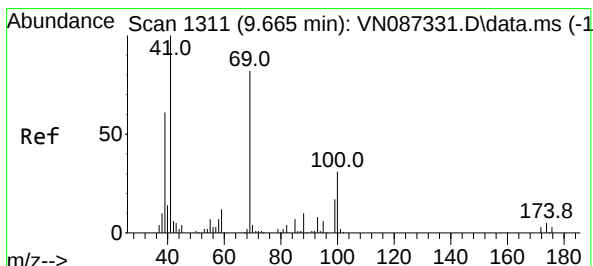
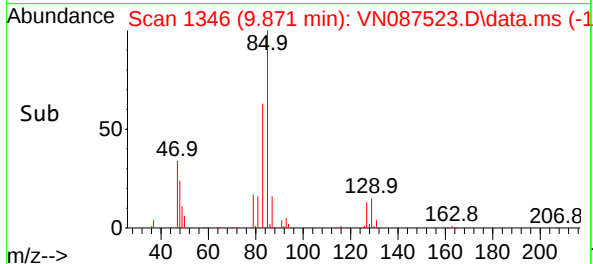
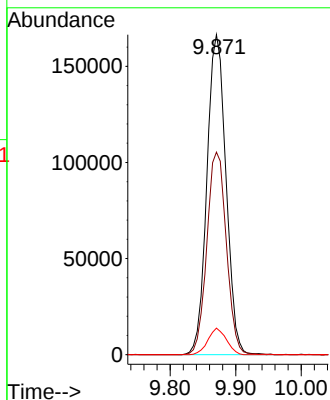
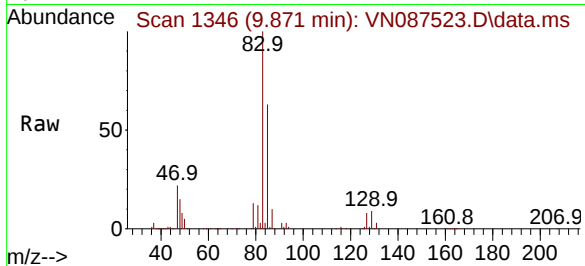




#47
Bromodichloromethane
Concen: 53.963 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

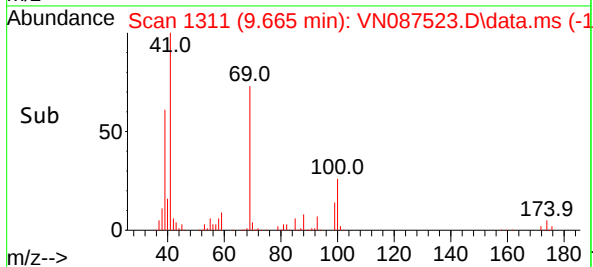
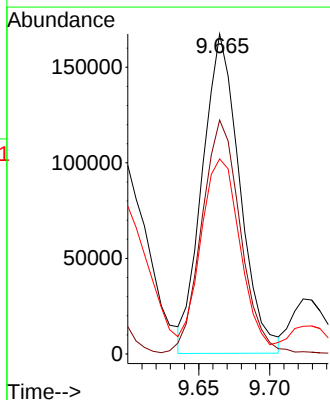
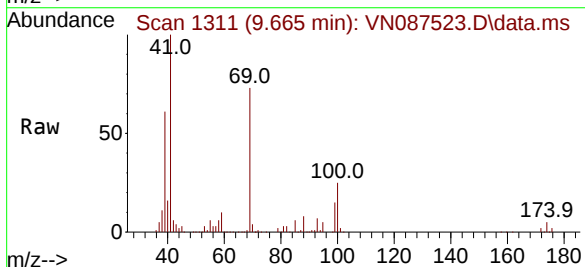
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

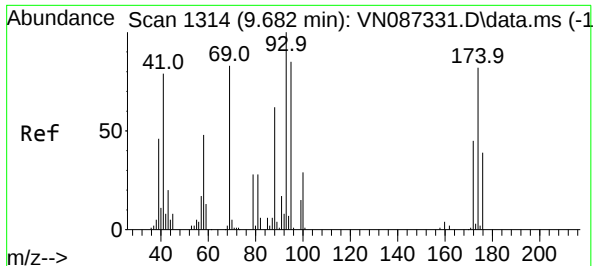
Tgt Ion: 83 Resp: 336000
Ion Ratio Lower Upper
83 100
85 63.3 50.4 75.6
127 8.3 5.8 8.8



#48
Methyl methacrylate
Concen: 60.227 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 41 Resp: 305607
Ion Ratio Lower Upper
41 100
69 75.9 64.1 96.1
39 64.5 45.5 68.3





#49

1,4-Dioxane

Concen: 1006.998 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

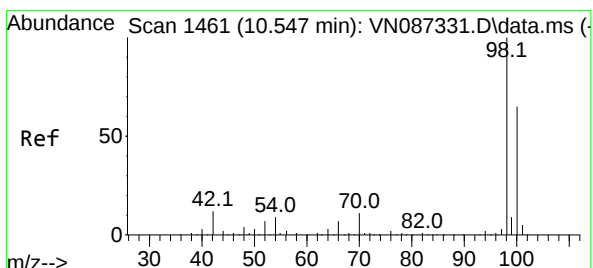
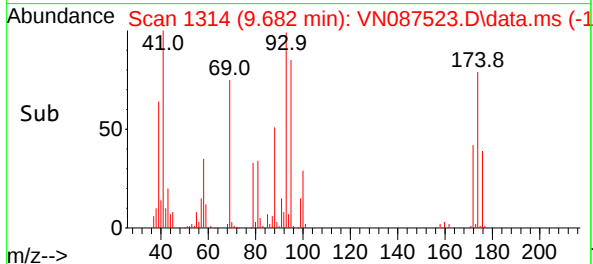
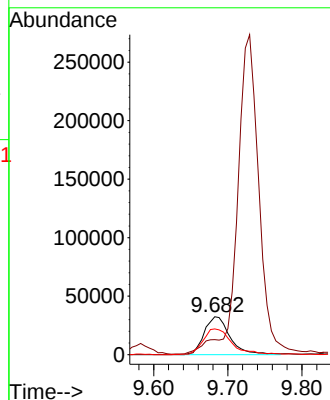
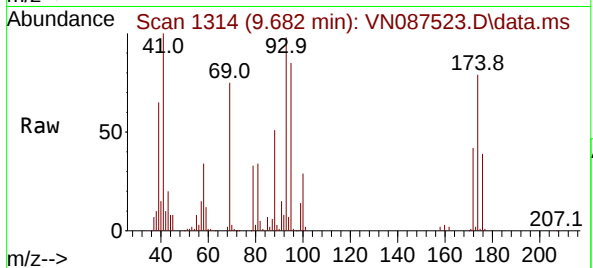
Tgt Ion: 88 Resp: 78261

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 76.5 61.1 91.7



#50

Toluene-d8

Concen: 49.330 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087523.D

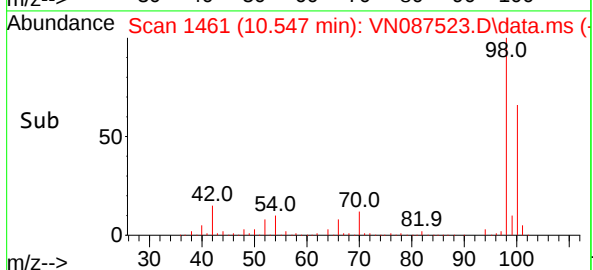
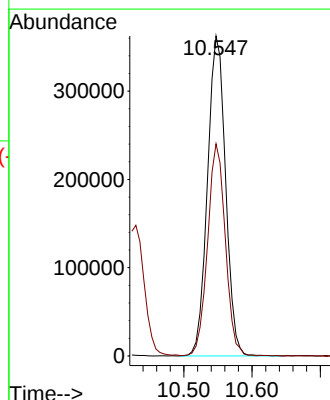
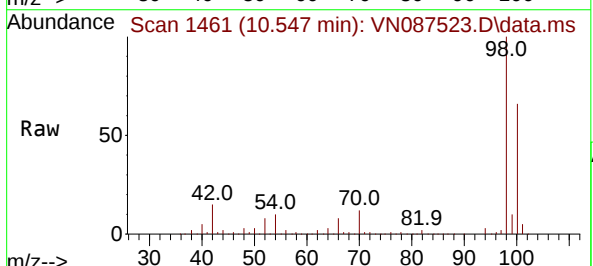
Acq: 12 Aug 2025 18:24

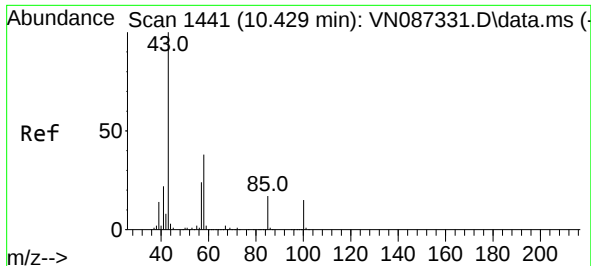
Tgt Ion: 98 Resp: 669604

Ion Ratio Lower Upper

98 100

100 64.8 52.1 78.1

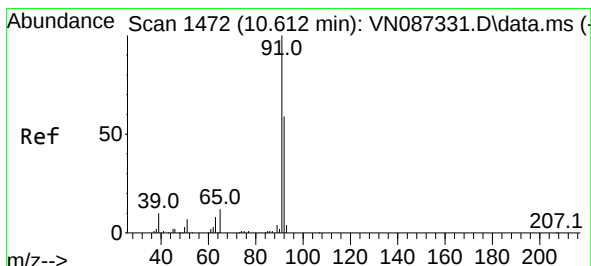
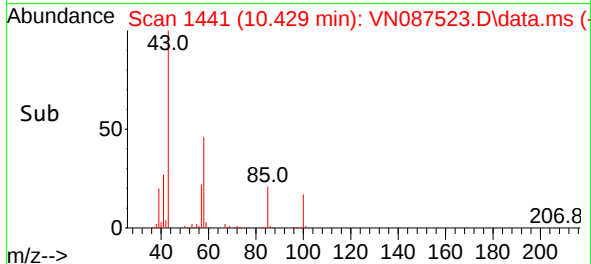
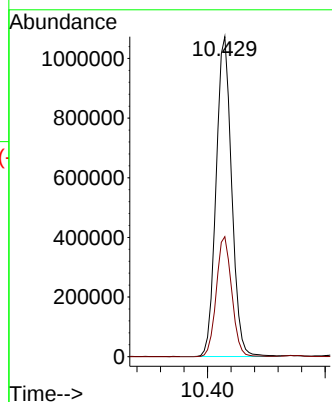
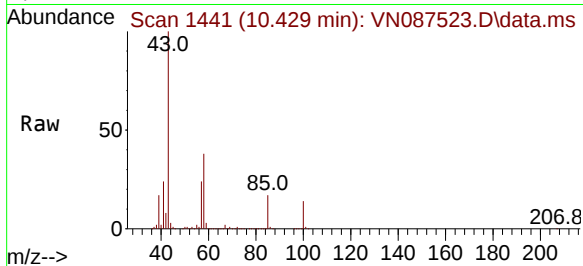




#51
4-Methyl-2-Pentanone
Concen: 276.416 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

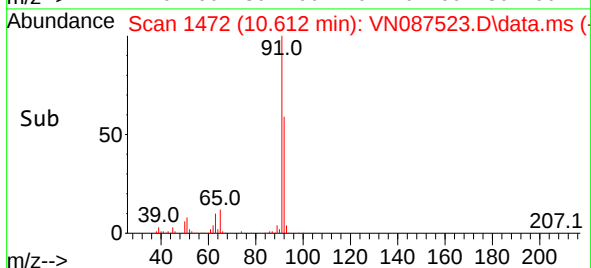
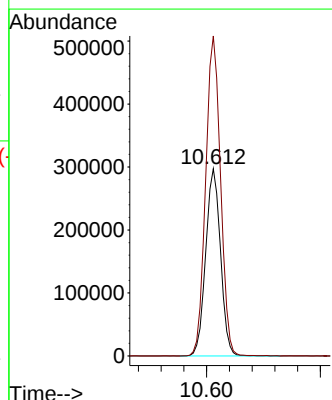
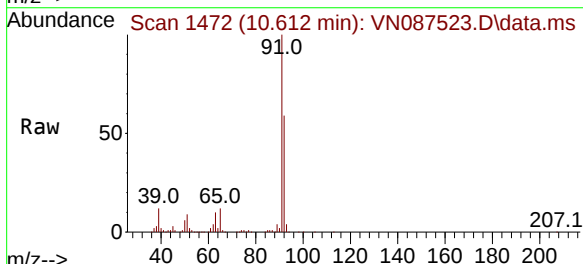
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

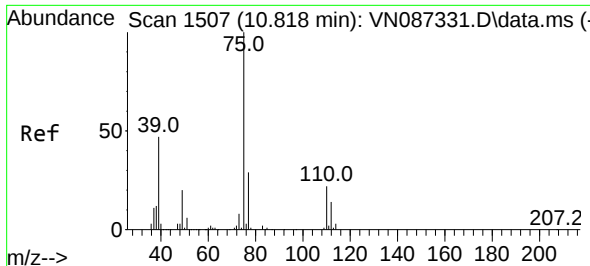
Tgt Ion: 43 Resp: 1970529
Ion Ratio Lower Upper
43 100
58 37.3 30.8 46.2



#52
Toluene
Concen: 54.250 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 92 Resp: 535787
Ion Ratio Lower Upper
92 100
91 172.0 135.1 202.7

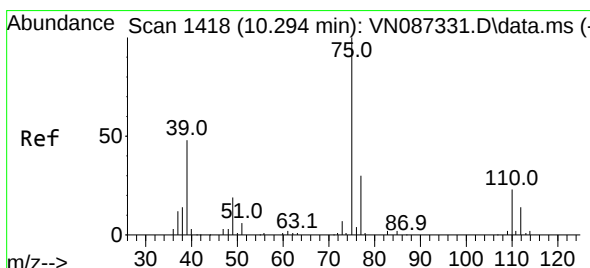
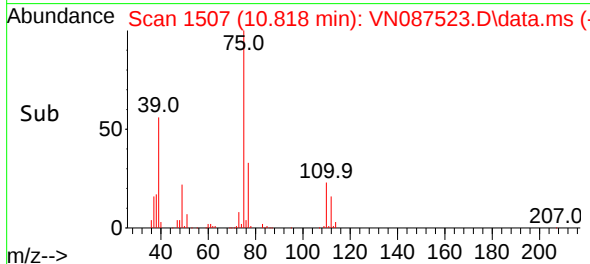
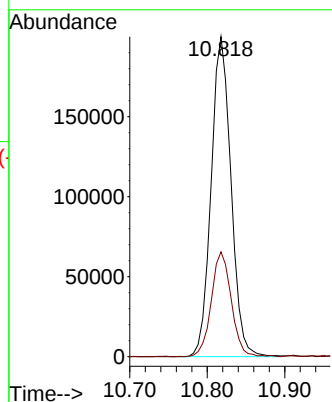
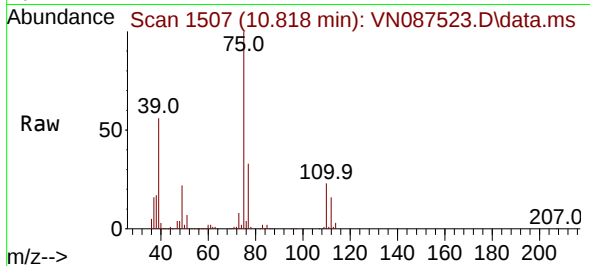




#53
t-1,3-Dichloropropene
Concen: 56.585 ug/l
RT: 10.818 min Scan# 1507
Delta R.T. -0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

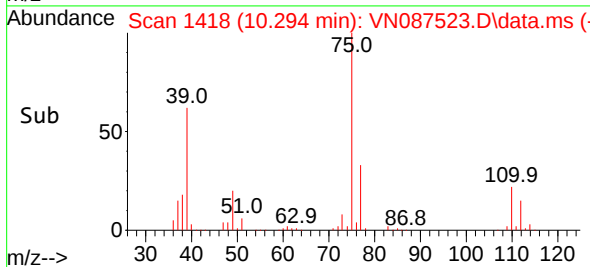
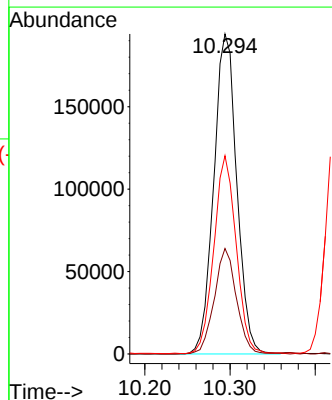
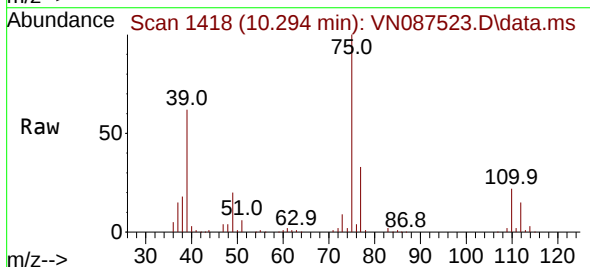
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

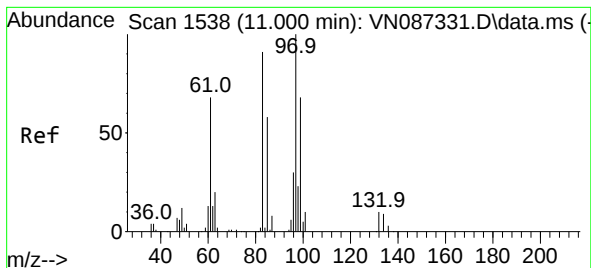
Tgt Ion: 75 Resp: 356569
Ion Ratio Lower Upper
75 100
77 32.8 23.6 35.4



#54
cis-1,3-Dichloropropene
Concen: 55.991 ug/l
RT: 10.294 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 75 Resp: 364453
Ion Ratio Lower Upper
75 100
77 32.9 24.2 36.2
39 61.8 38.4 57.6#





#55

1,1,2-Trichloroethane

Concen: 52.840 ug/l

RT: 11.000 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 211280

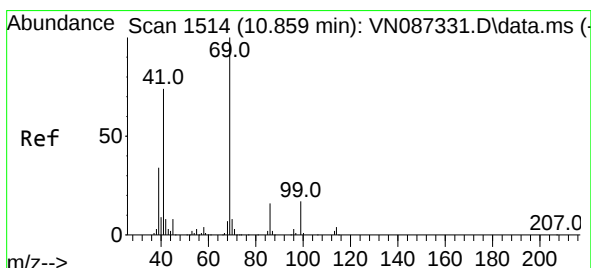
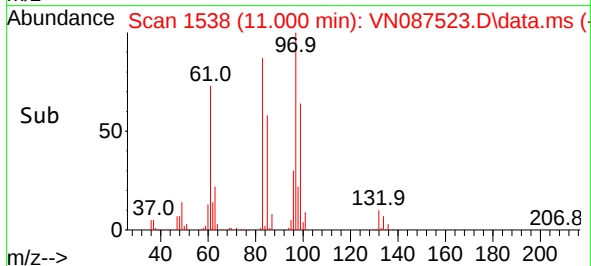
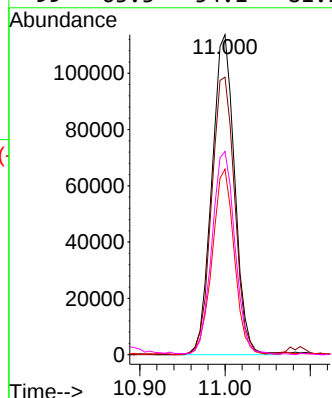
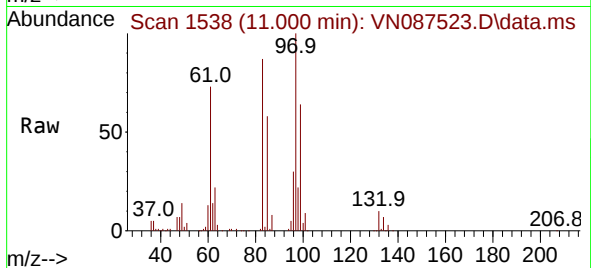
Ion Ratio Lower Upper

97 100

83 86.6 72.6 109.0

85 57.9 46.7 70.1

99 63.3 54.1 81.1



#56

Ethyl methacrylate

Concen: 55.772 ug/l

RT: 10.859 min Scan# 1514

Delta R.T. -0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

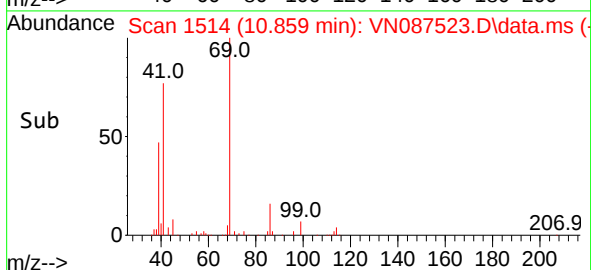
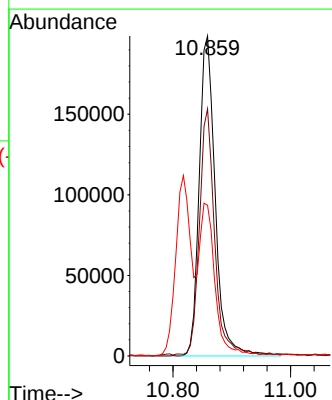
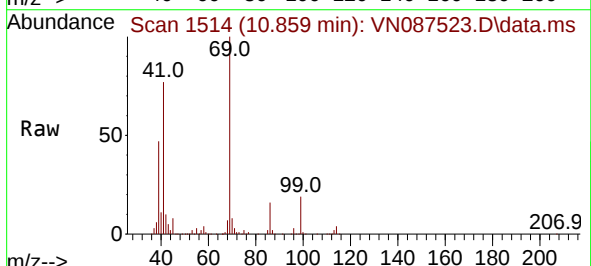
Tgt Ion: 69 Resp: 376832

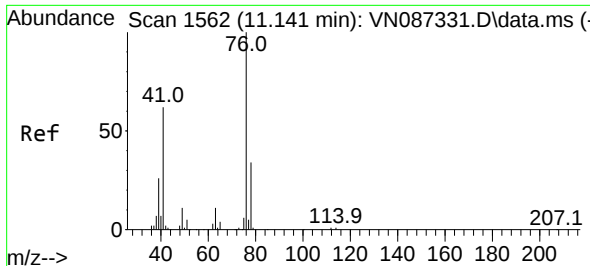
Ion Ratio Lower Upper

69 100

41 72.3 55.1 82.7

39 47.2 27.9 41.9#

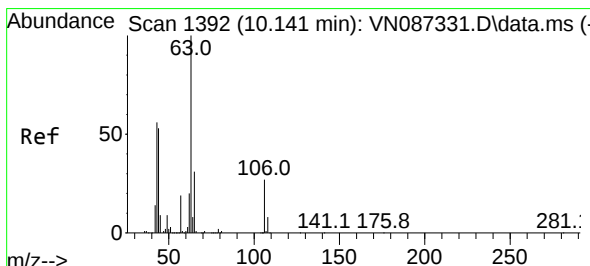
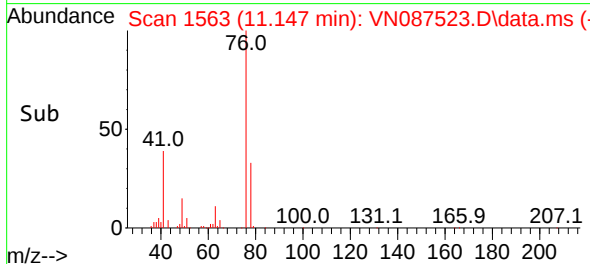
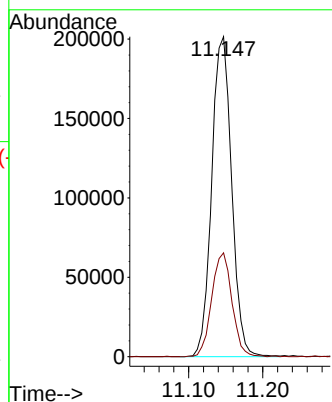
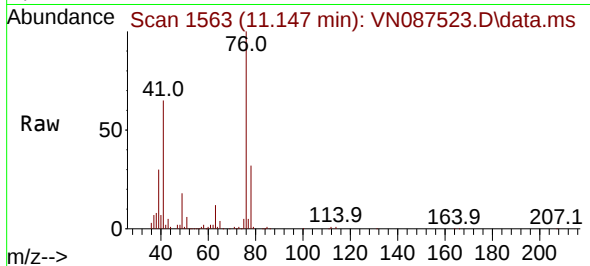




#57
1,3-Dichloropropane
Concen: 54.440 ug/l
RT: 11.147 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

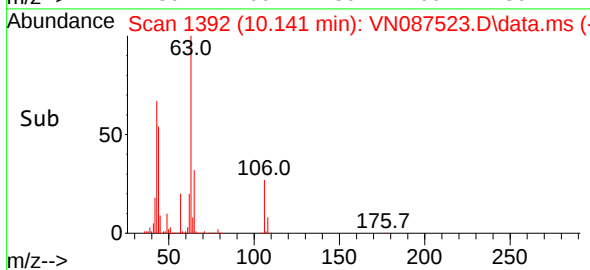
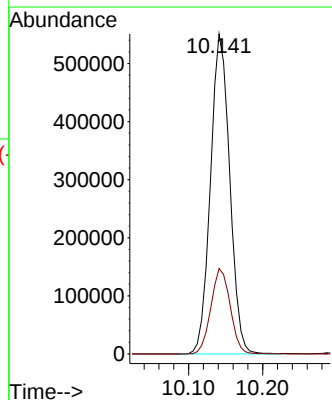
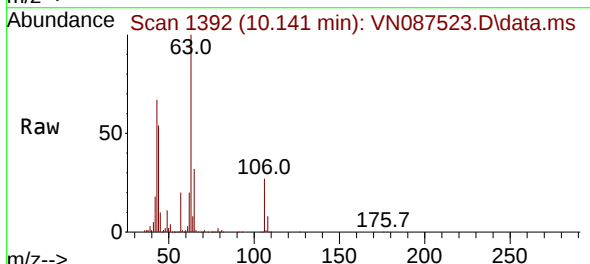
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

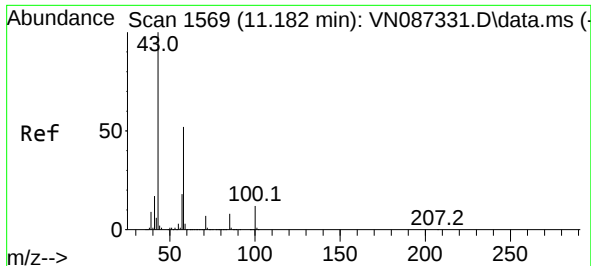
Tgt Ion: 76 Resp: 376358
Ion Ratio Lower Upper
76 100
78 32.9 26.0 39.0



#58
2-Chloroethyl Vinyl ether
Concen: 303.103 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 63 Resp: 994177
Ion Ratio Lower Upper
63 100
106 26.8 21.7 32.5

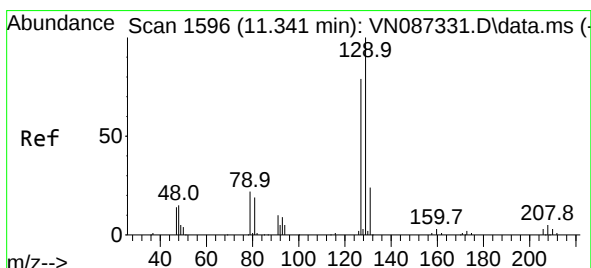
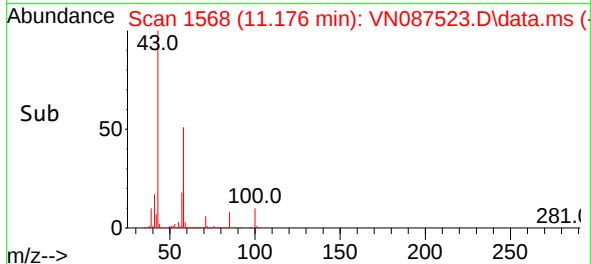
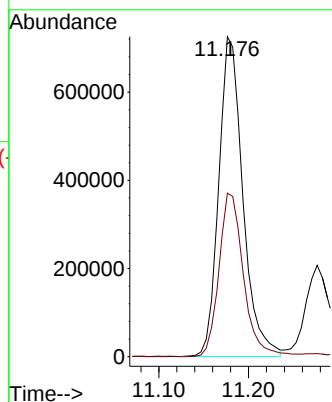
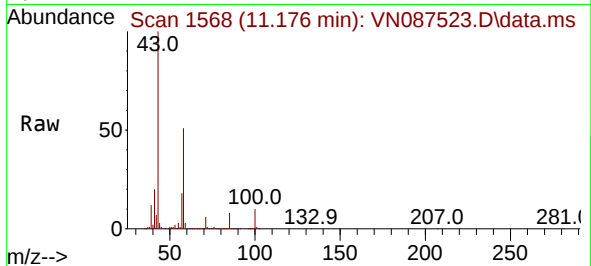




#59
2-Hexanone
Concen: 285.835 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

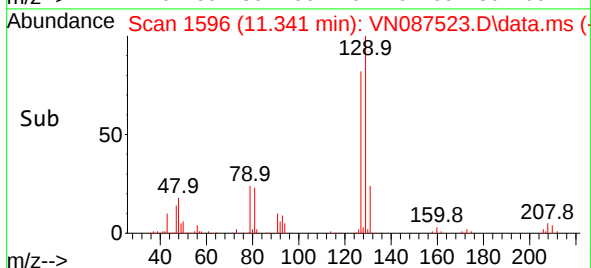
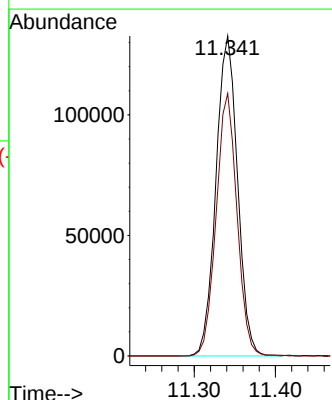
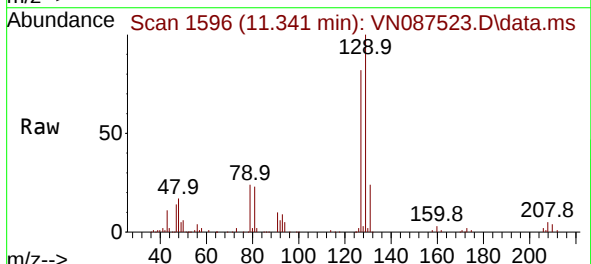
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

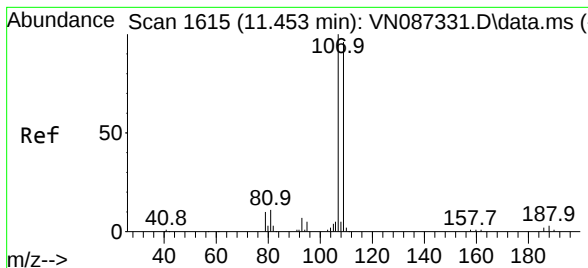
Tgt Ion: 43 Resp: 1351913
Ion Ratio Lower Upper
43 100
58 52.3 26.7 80.0



#60
Dibromochloromethane
Concen: 53.855 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion:129 Resp: 245577
Ion Ratio Lower Upper
129 100
127 79.1 39.1 117.5

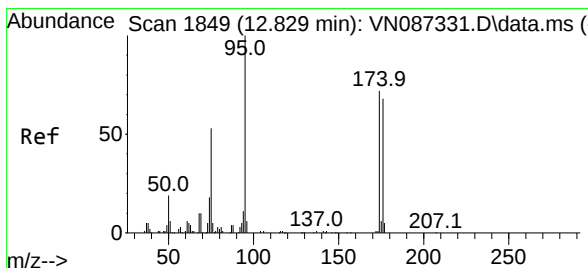
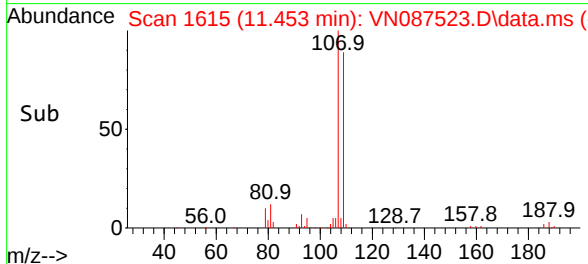
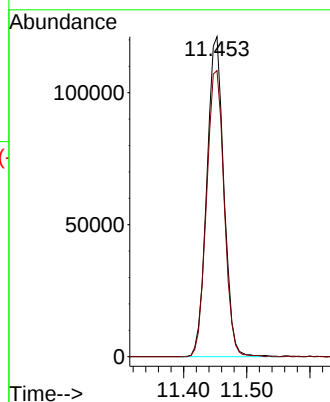
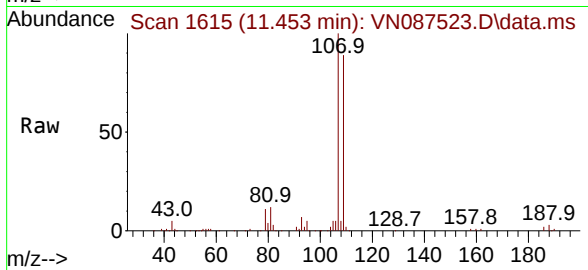




#61
1,2-Dibromoethane
Concen: 53.929 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

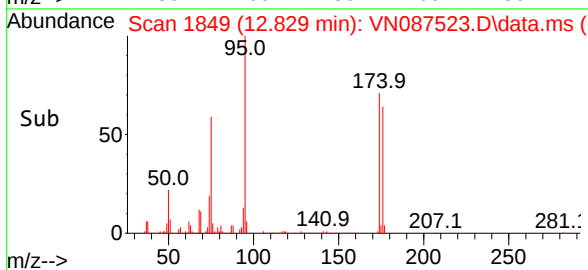
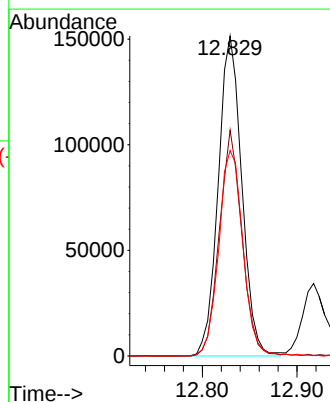
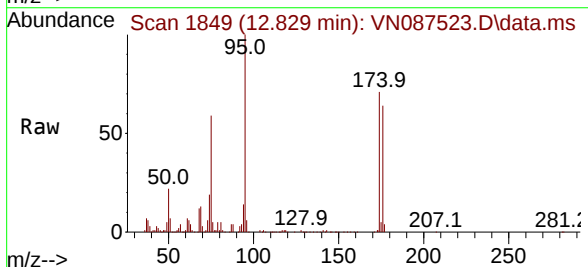
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

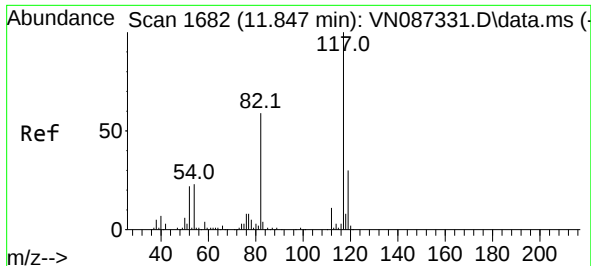
Tgt Ion:107 Resp: 226724
Ion Ratio Lower Upper
107 100
109 92.2 77.5 116.3



#62
4-Bromofluorobenzene
Concen: 52.220 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 95 Resp: 261881
Ion Ratio Lower Upper
95 100
174 67.6 0.0 149.4
176 66.3 0.0 141.2

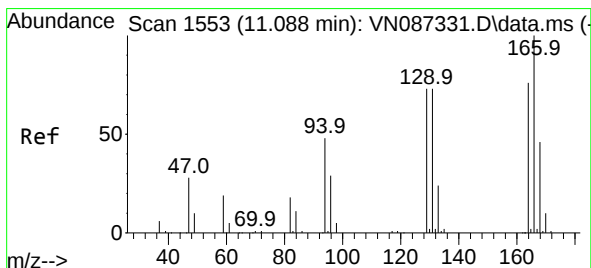
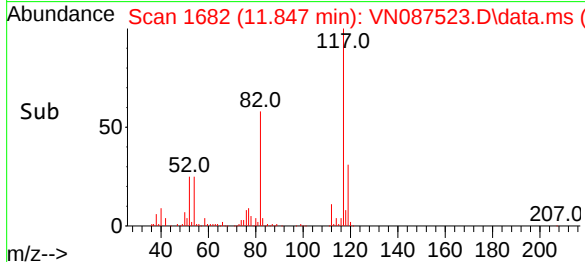
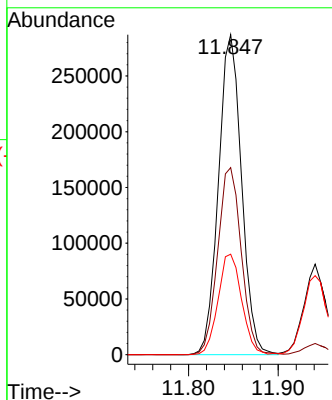
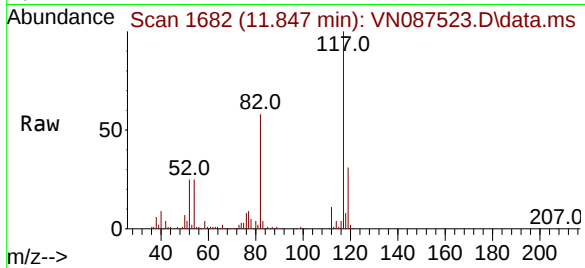




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

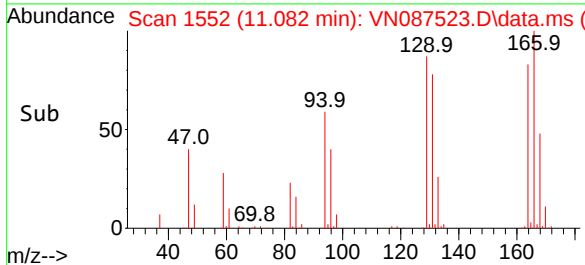
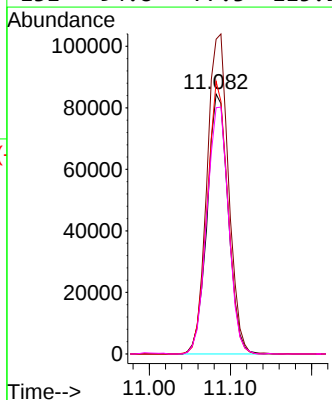
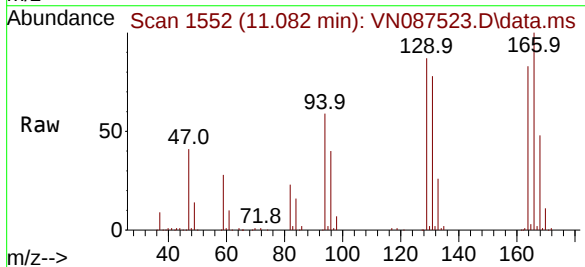
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

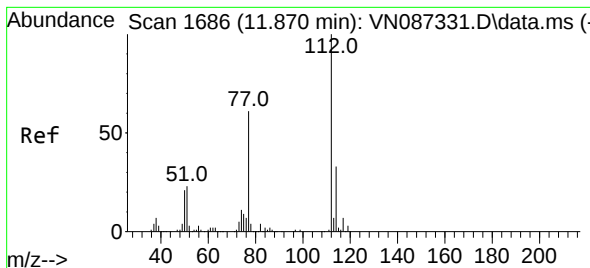
Tgt Ion:117 Resp: 512794
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.4 23.8 35.8



#64
Tetrachloroethene
Concen: 46.185 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion:164 Resp: 152429
Ion Ratio Lower Upper
164 100
166 121.1 105.5 158.3
129 104.9 77.4 116.2
131 94.8 77.3 115.9

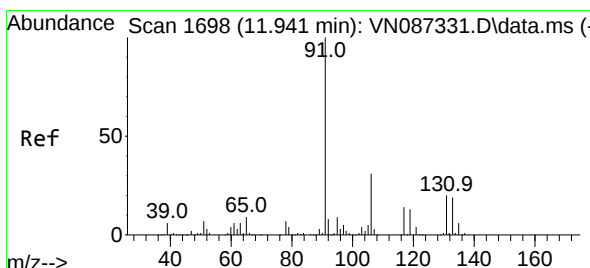
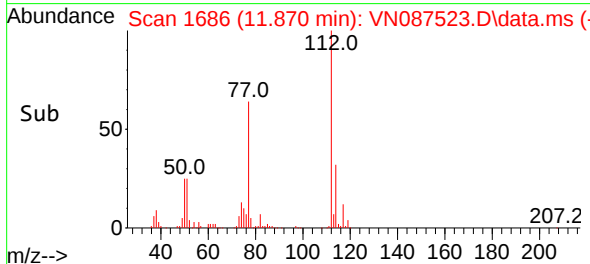
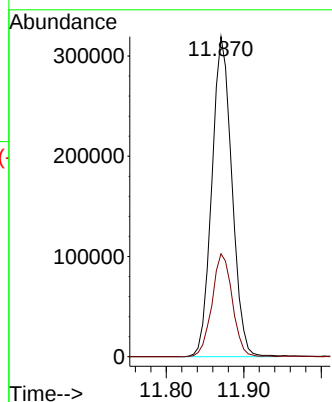
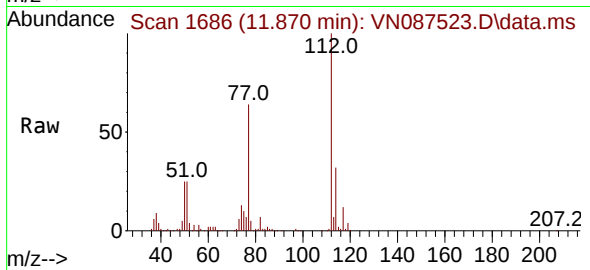




#65
Chlorobenzene
Concen: 49.846 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

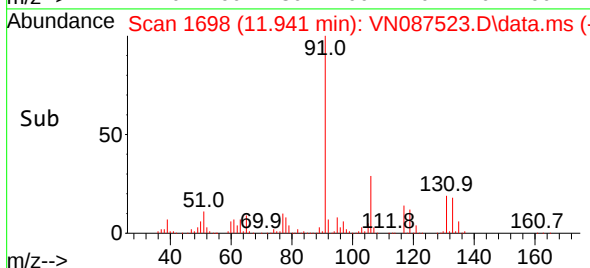
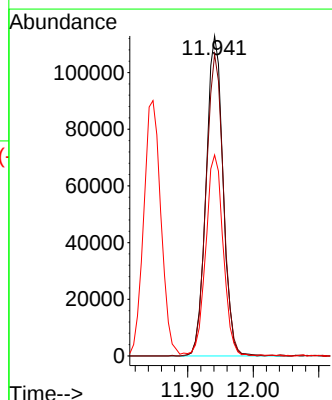
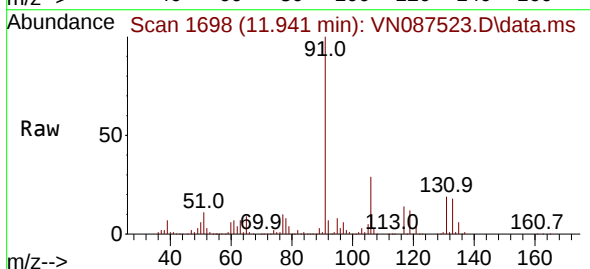
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

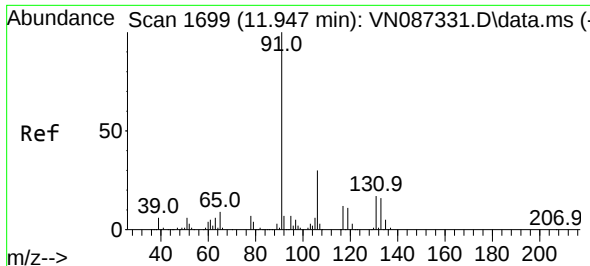
Tgt Ion:112 Resp: 573859
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 51.938 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion:131 Resp: 203322
Ion Ratio Lower Upper
131 100
133 96.0 47.4 142.3
119 63.9 33.1 99.2

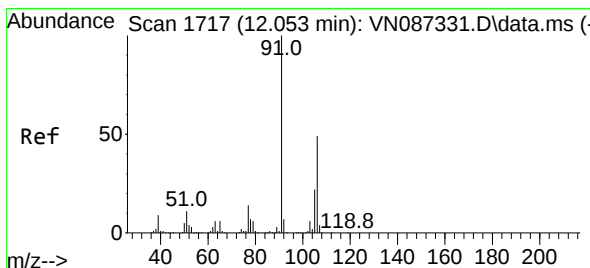
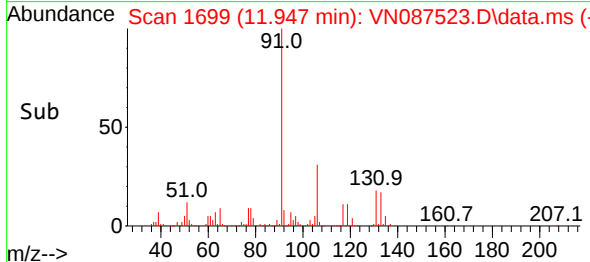
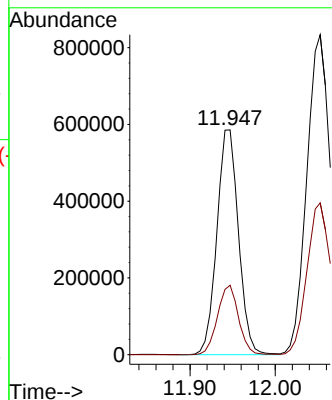
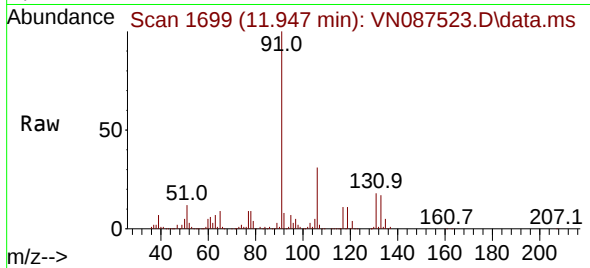




#67
Ethyl Benzene
Concen: 54.468 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

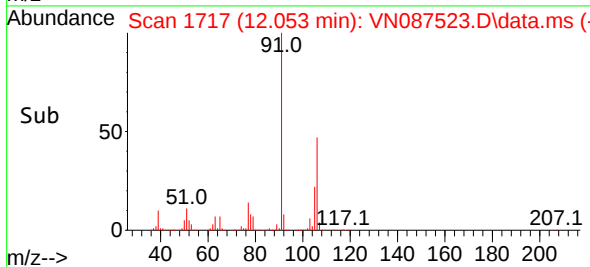
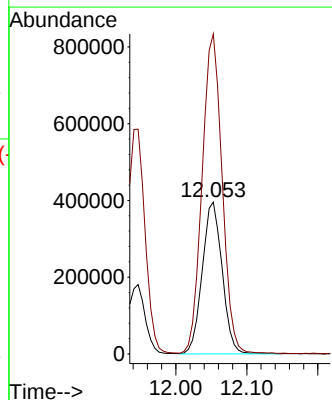
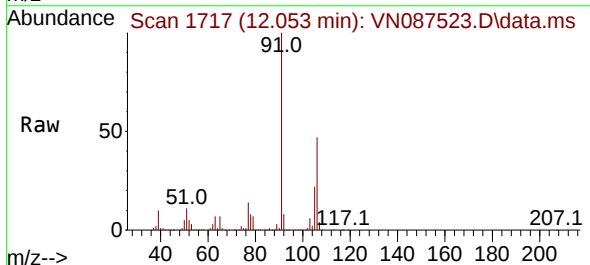
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

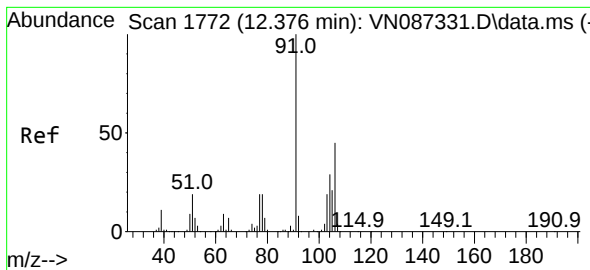
Tgt Ion: 91 Resp: 1032308
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5



#68
m/p-Xylenes
Concen: 108.491 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 106 Resp: 769961
Ion Ratio Lower Upper
106 100
91 212.5 162.0 243.0

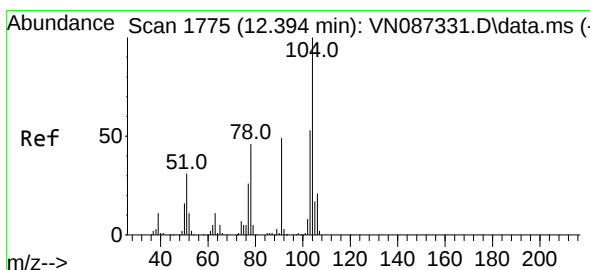
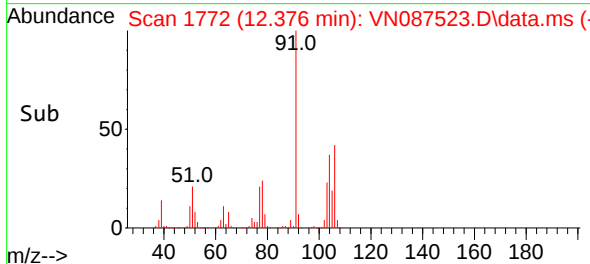
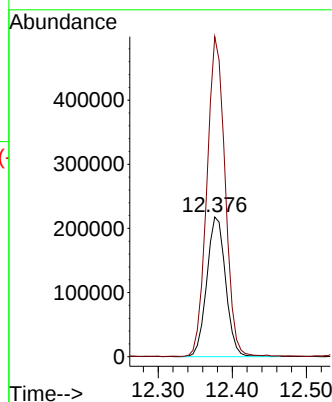
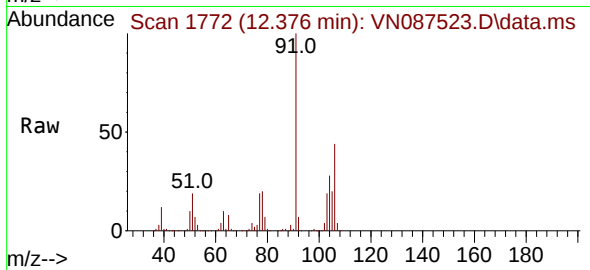




#69
o-Xylene
Concen: 56.775 ug/l
RT: 12.376 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

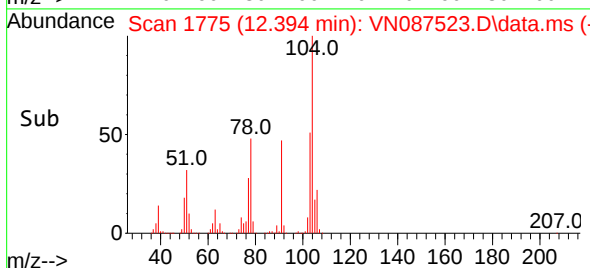
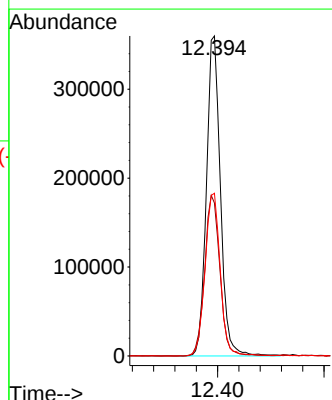
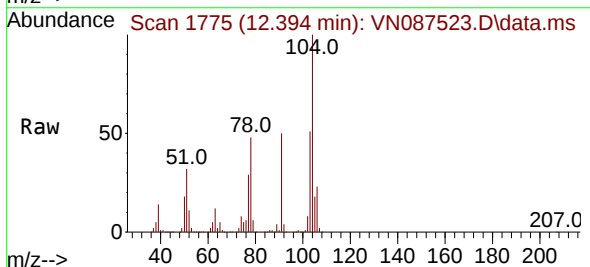
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

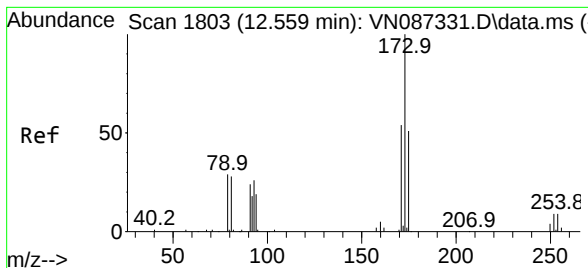
Tgt Ion:106 Resp: 384892
Ion Ratio Lower Upper
106 100
91 221.4 107.7 323.3



#70
Styrene
Concen: 57.532 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion:104 Resp: 656112
Ion Ratio Lower Upper
104 100
78 54.6 41.0 61.6
103 55.2 43.9 65.9





#71

Bromoform

Concen: 51.722 ug/l

RT: 12.559 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

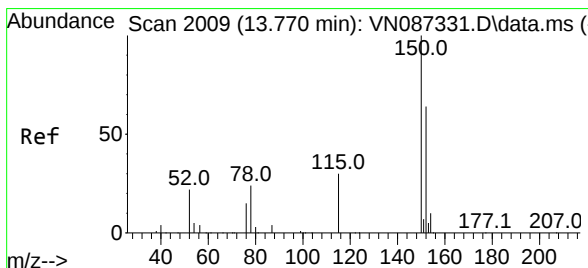
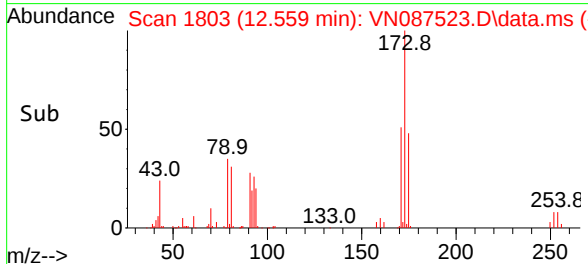
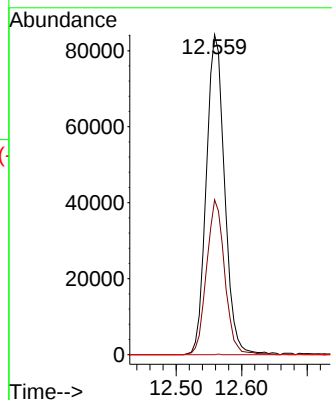
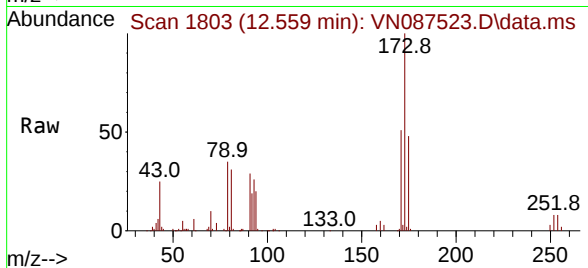
Tgt Ion:173 Resp: 163577

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.3

254 0.0 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

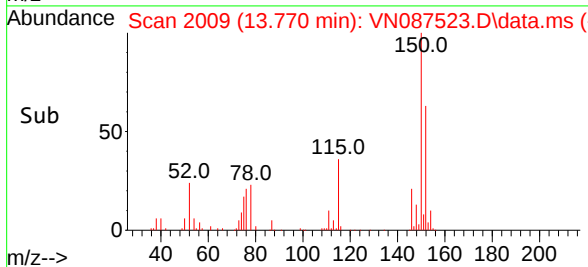
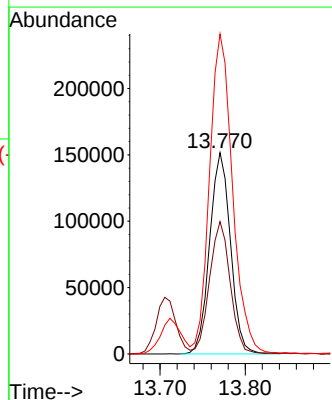
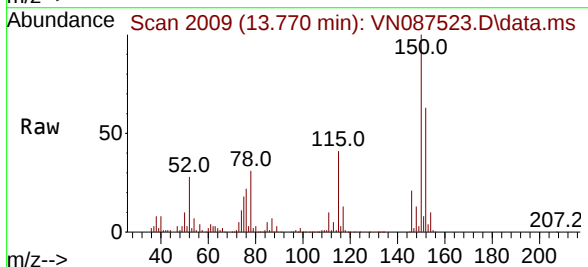
Tgt Ion:152 Resp: 257688

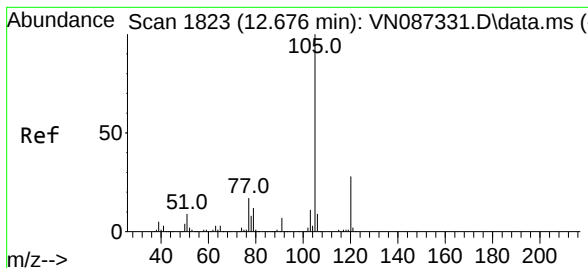
Ion Ratio Lower Upper

152 100

115 64.9 31.1 93.5

150 175.4 0.0 349.0





#73

Isopropylbenzene

Concen: 59.965 ug/l

RT: 12.676 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

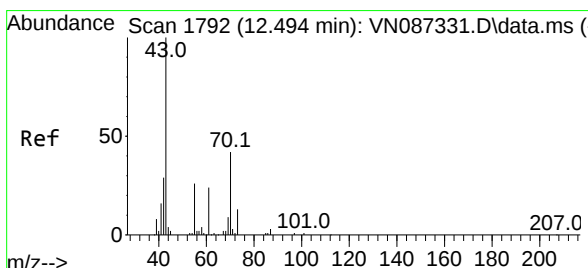
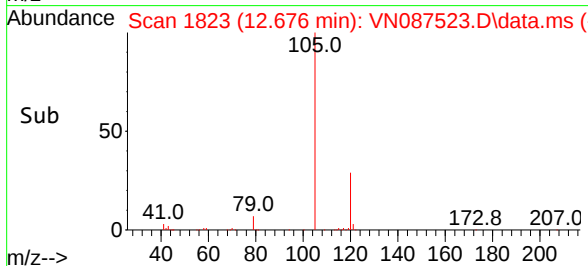
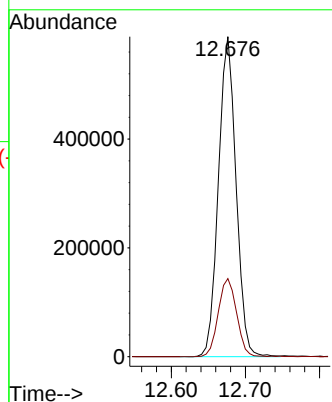
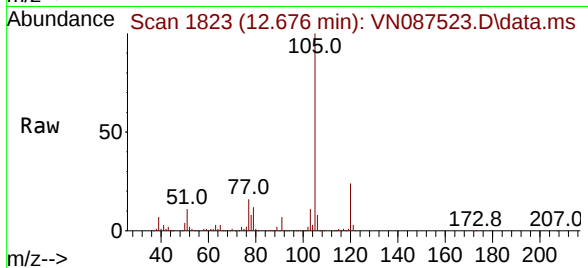
VSTDCCC050EC

Tgt Ion:105 Resp: 972539

Ion Ratio Lower Upper

105 100

120 25.4 13.4 40.1



#74

N-ethyl acetate

Concen: 43.608 ug/l

RT: 12.506 min Scan# 1794

Delta R.T. 0.012 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Tgt Ion: 43 Resp: 293847

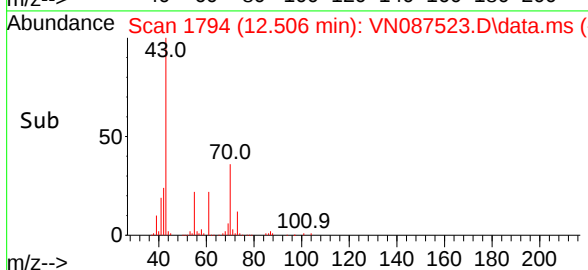
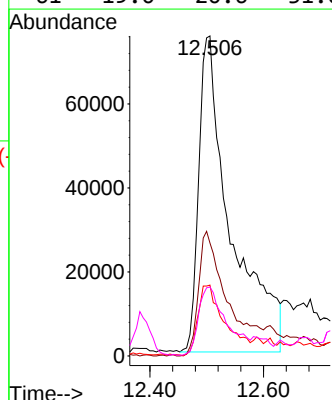
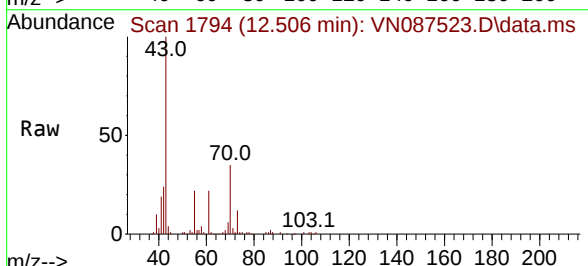
Ion Ratio Lower Upper

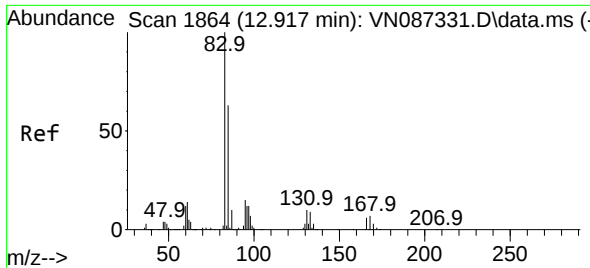
43 100

70 36.5 37.6 56.4#

55 19.1 19.6 29.4#

61 19.0 20.6 31.0#

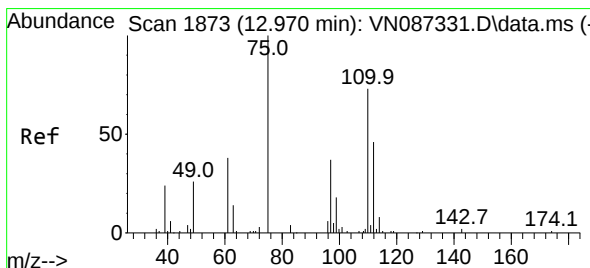
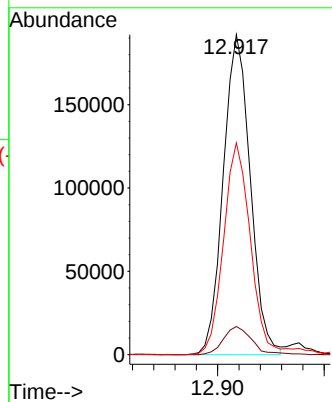
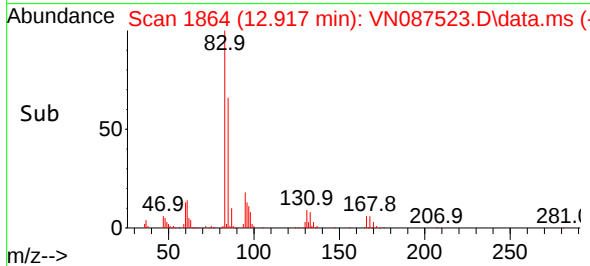
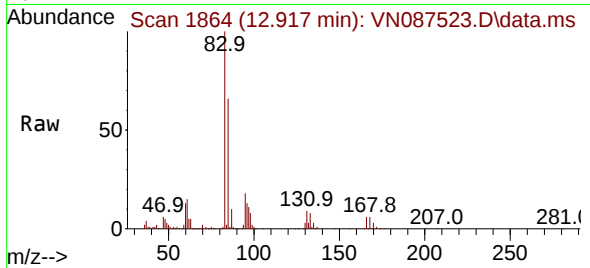




#75
1,1,2,2-Tetrachloroethane
Concen: 55.446 ug/l
RT: 12.917 min Scan# 1864
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

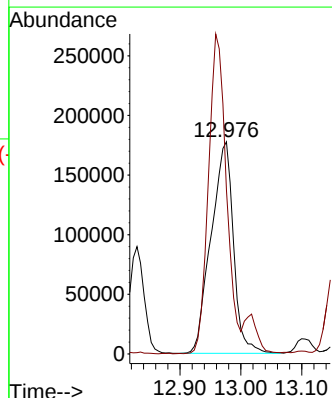
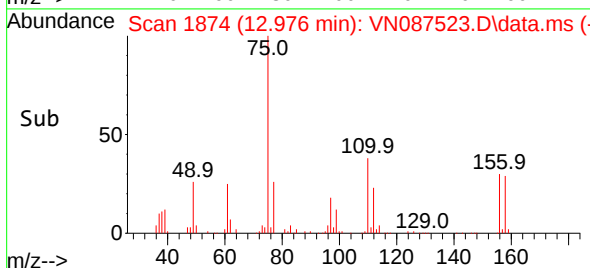
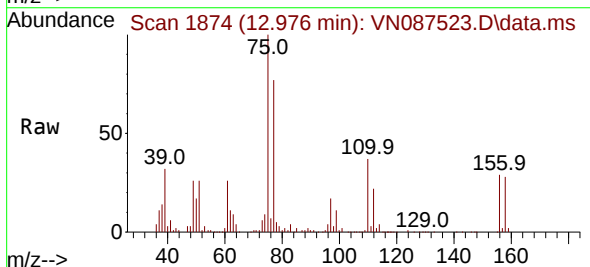
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

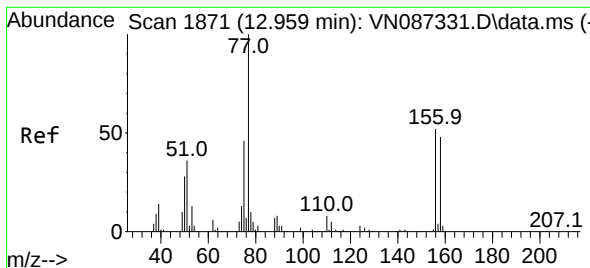
Tgt Ion: 83 Resp: 338370
Ion Ratio Lower Upper
83 100
131 9.3 5.1 15.3
85 67.1 32.5 97.4



#76
1,2,3-Trichloropropane
Concen: 78.270 ug/l
RT: 12.976 min Scan# 1874
Delta R.T. 0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 75 Resp: 452281
Ion Ratio Lower Upper
75 100
77 121.0 94.5 283.6

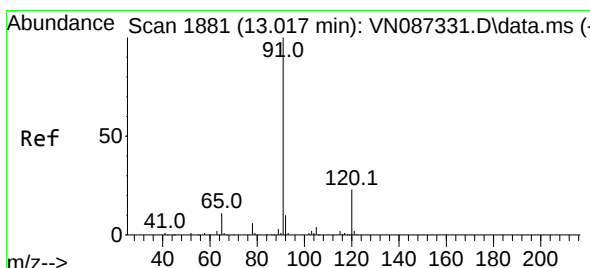
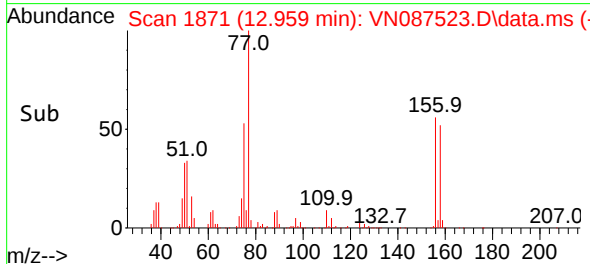
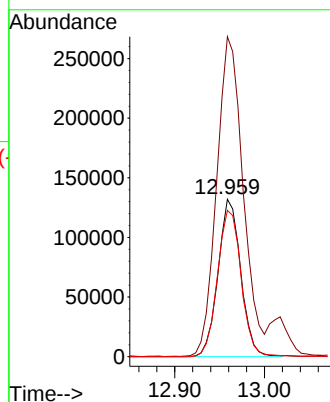
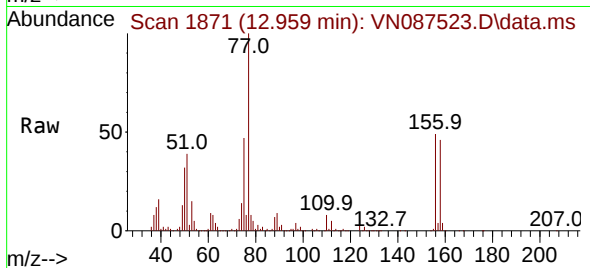




#77
Bromobenzene
Concen: 54.979 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

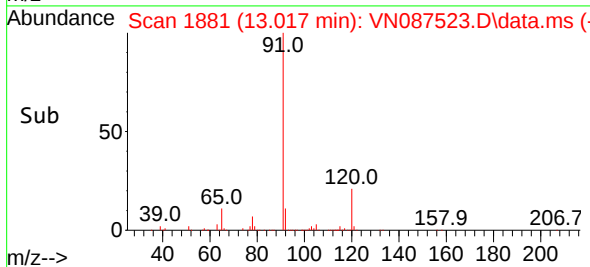
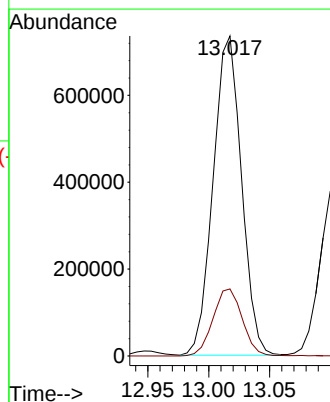
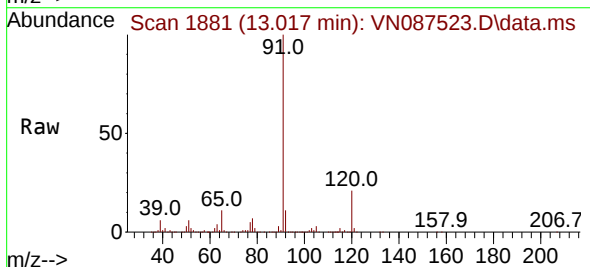
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

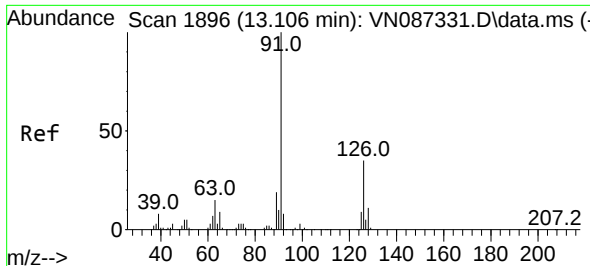
Tgt Ion:156 Resp: 231249
Ion Ratio Lower Upper
156 100
77 236.7 114.9 344.6
158 97.5 48.5 145.5



#78
n-propylbenzene
Concen: 58.378 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 91 Resp: 1191223
Ion Ratio Lower Upper
91 100
120 21.8 11.3 33.8

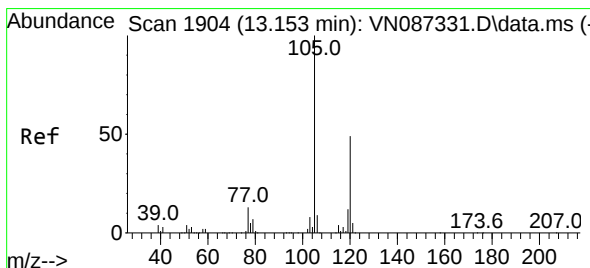
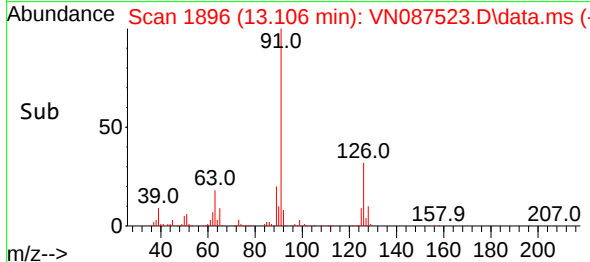
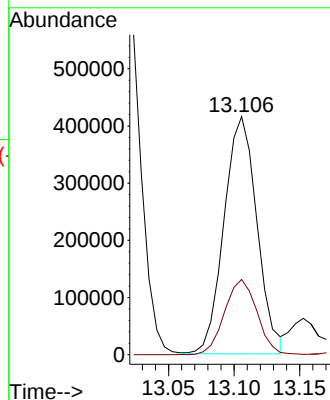
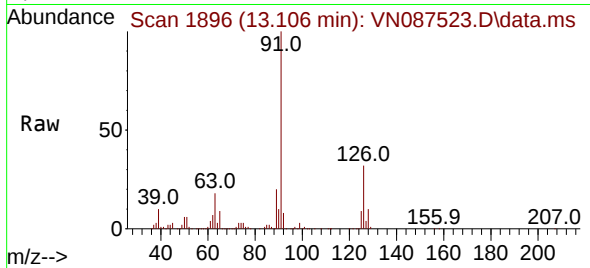




#79
2-Chlorotoluene
Concen: 57.818 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

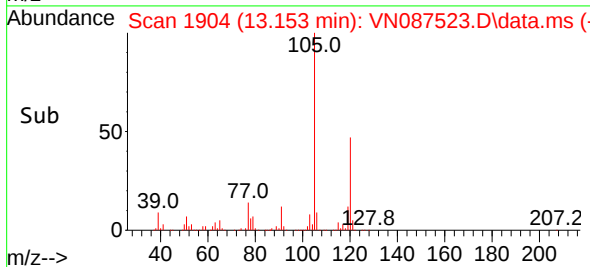
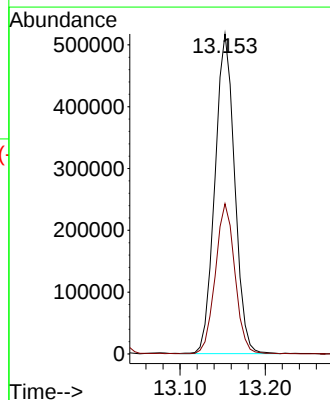
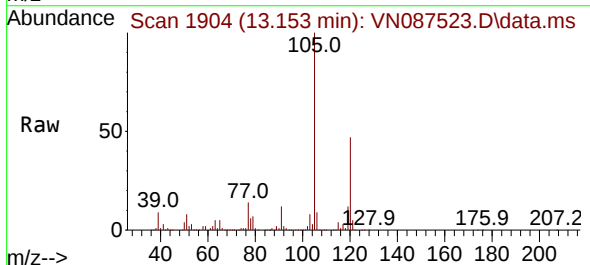
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

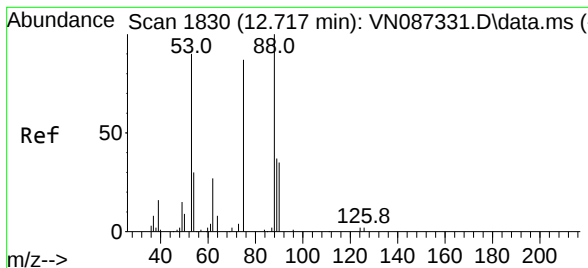
Tgt Ion: 91 Resp: 725083
Ion Ratio Lower Upper
91 100
126 31.3 16.9 50.6



#80
1,3,5-Trimethylbenzene
Concen: 60.105 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 105 Resp: 830549
Ion Ratio Lower Upper
105 100
120 46.6 24.3 72.8

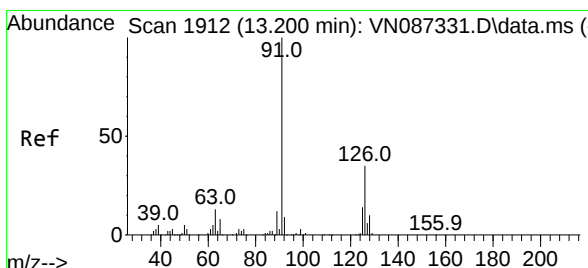
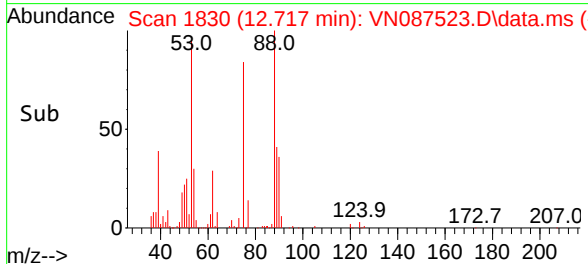
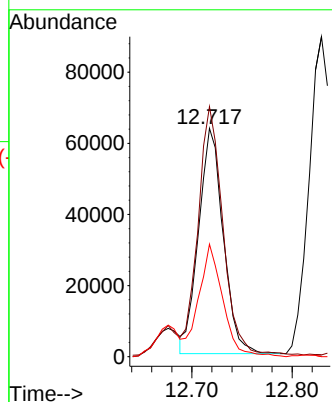
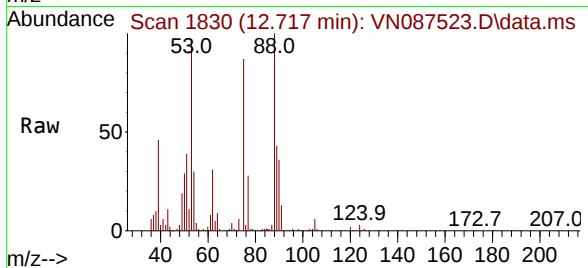




#81
trans-1,4-Dichloro-2-butene
Concen: 51.261 ug/l
RT: 12.717 min Scan# 1830
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

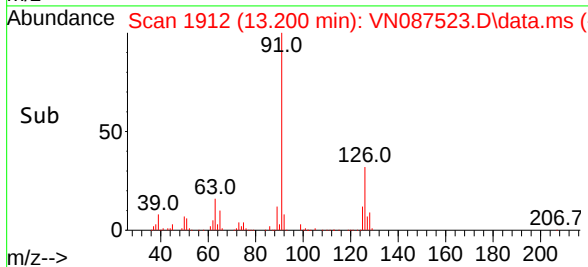
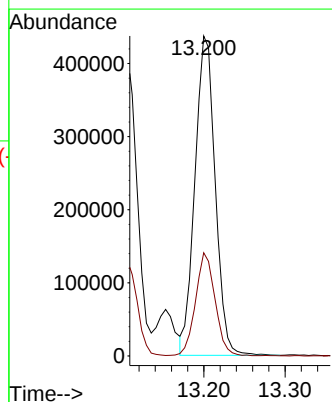
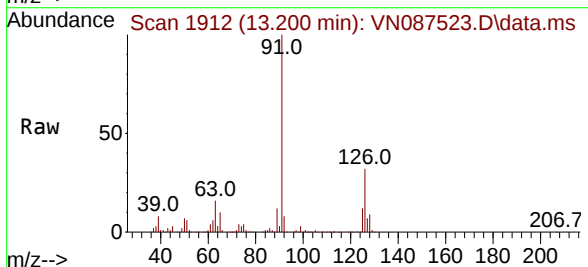
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

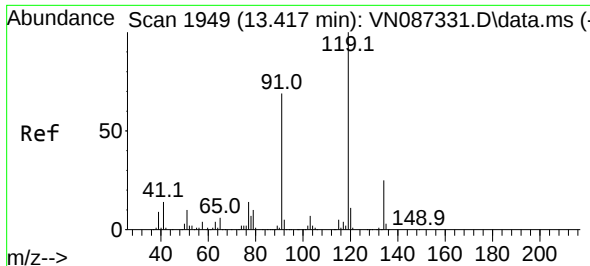
Tgt Ion: 75 Resp: 108257
Ion Ratio Lower Upper
75 100
53 111.4 83.5 125.3
89 49.1 38.4 57.6



#82
4-Chlorotoluene
Concen: 58.151 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 91 Resp: 759247
Ion Ratio Lower Upper
91 100
126 31.1 16.6 49.7

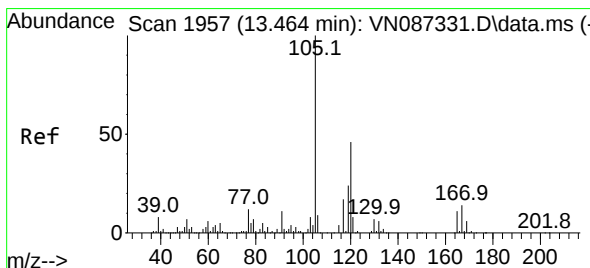
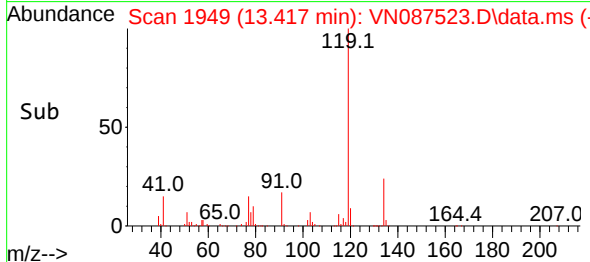
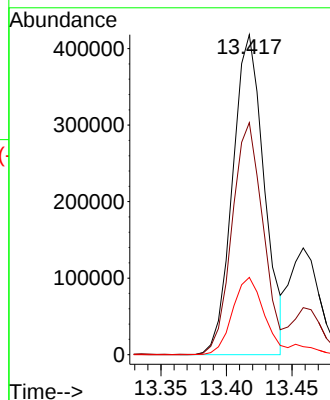
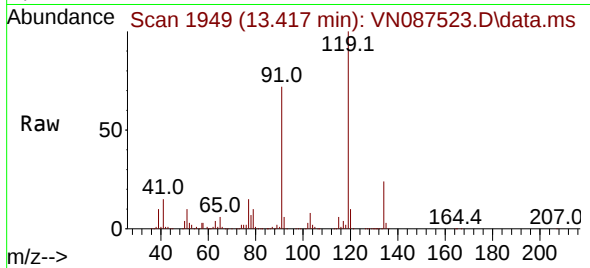




#83
 tert-Butylbenzene
 Concen: 60.739 ug/l
 RT: 13.417 min Scan# 1949
 Delta R.T. 0.000 min
 Lab File: VN087523.D
 Acq: 12 Aug 2025 18:24

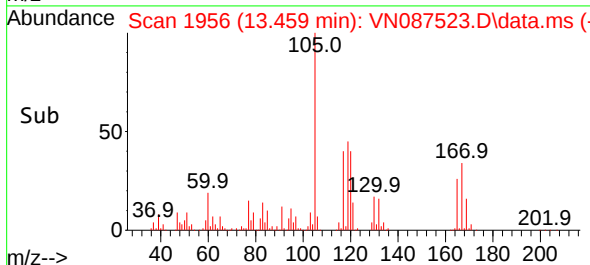
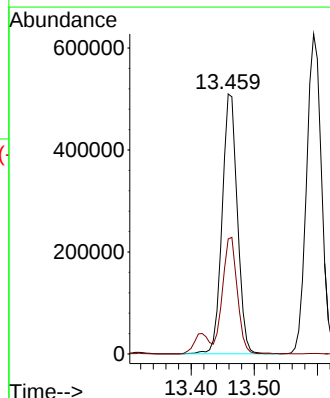
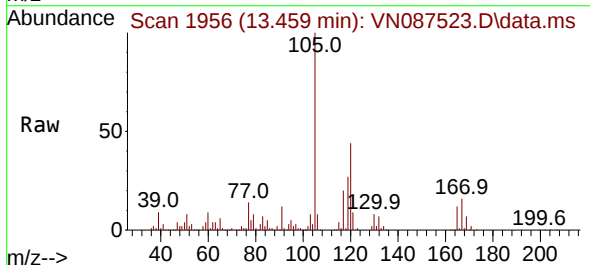
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

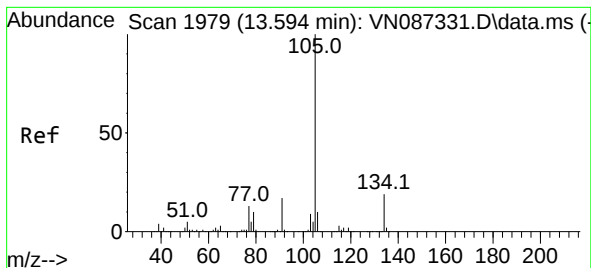
Tgt Ion:119 Resp: 701004
 Ion Ratio Lower Upper
 119 100
 91 72.5 35.0 105.1
 134 24.2 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 60.527 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: VN087523.D
 Acq: 12 Aug 2025 18:24

Tgt Ion:105 Resp: 854134
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.8 68.3





#85

sec-Butylbenzene

Concen: 59.134 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

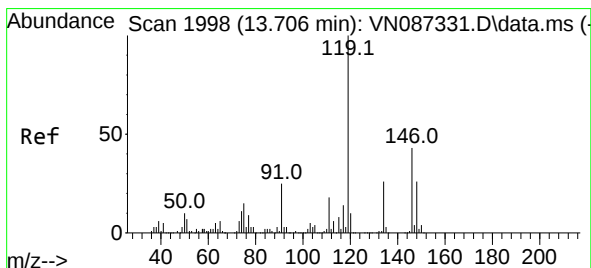
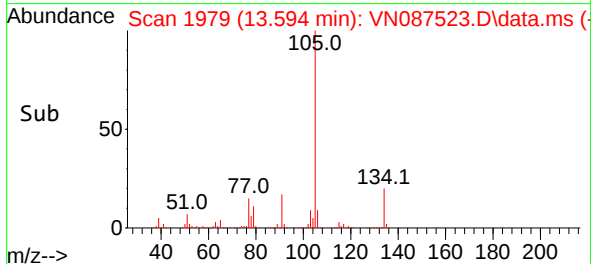
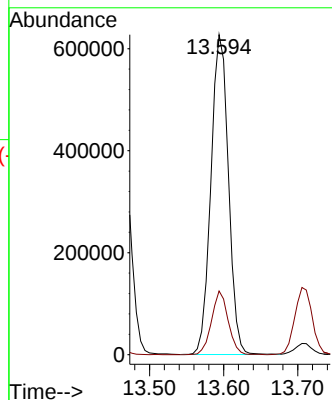
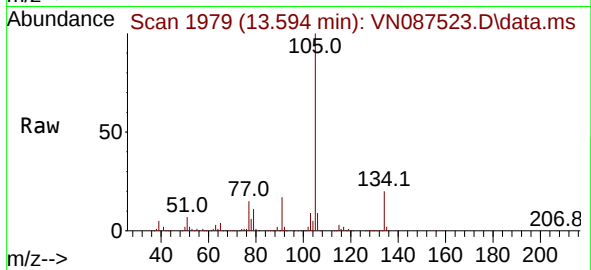
VSTDCCC050EC

Tgt Ion:105 Resp: 1027991

Ion Ratio Lower Upper

105 100

134 18.9 9.8 29.4



#86

p-Isopropyltoluene

Concen: 61.197 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

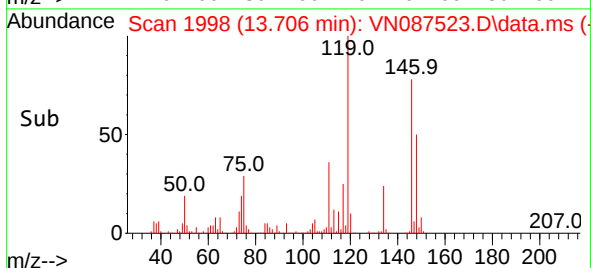
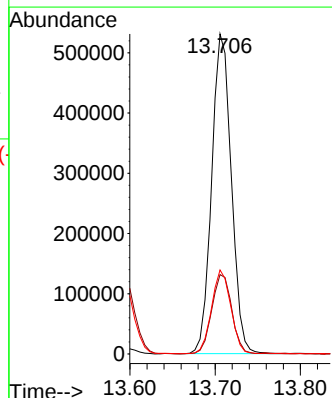
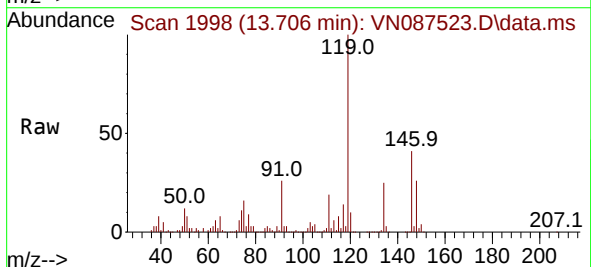
Tgt Ion:119 Resp: 852567

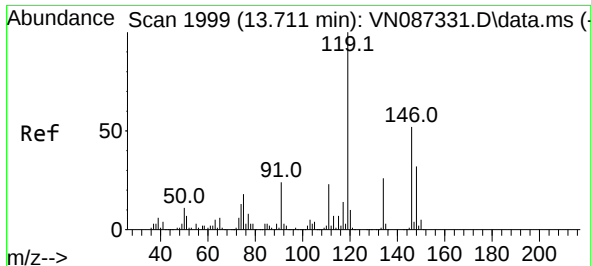
Ion Ratio Lower Upper

119 100

134 25.5 13.5 40.5

91 25.6 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 53.893 ug/l

RT: 13.712 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

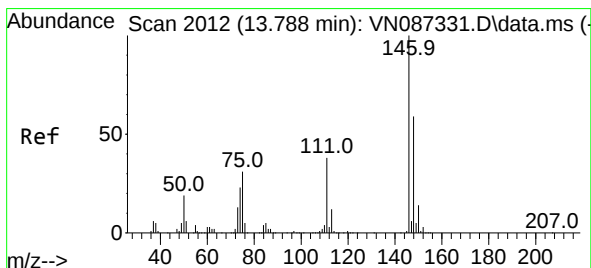
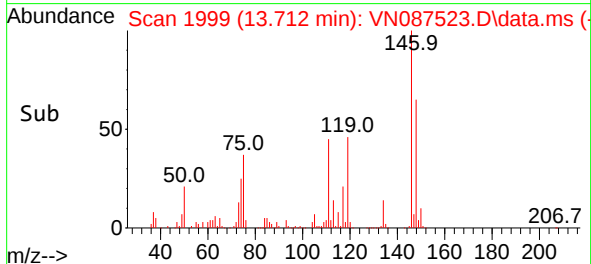
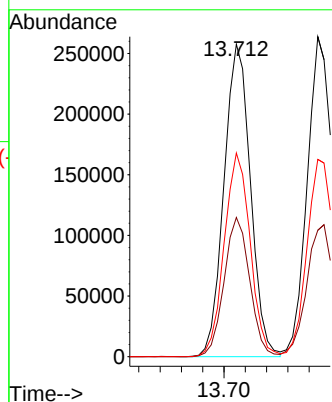
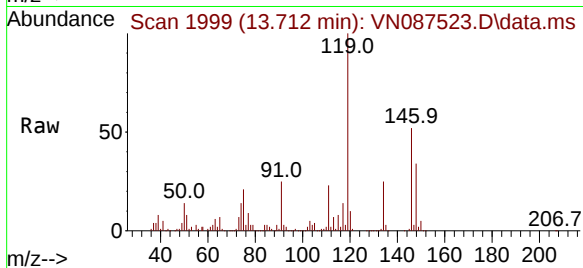
Tgt Ion:146 Resp: 444891

Ion Ratio Lower Upper

146 100

111 43.2 21.4 64.3

148 64.1 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 51.179 ug/l

RT: 13.788 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

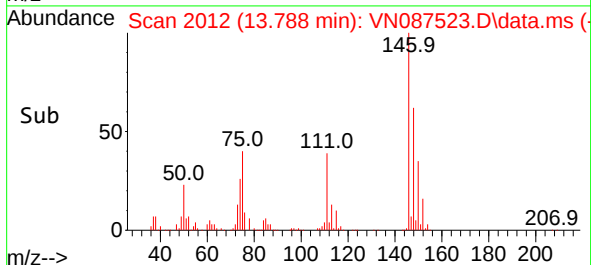
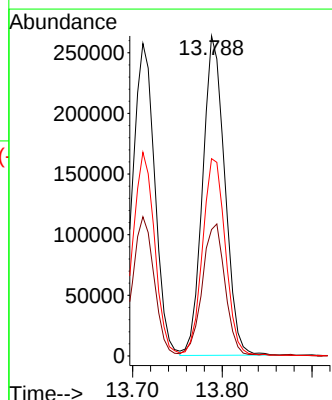
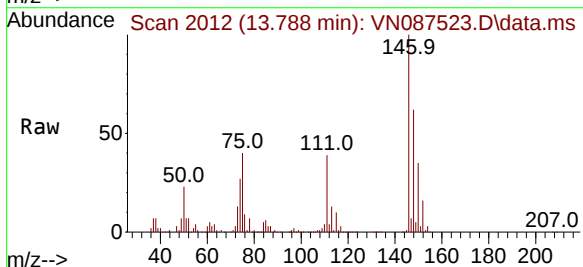
Tgt Ion:146 Resp: 451224

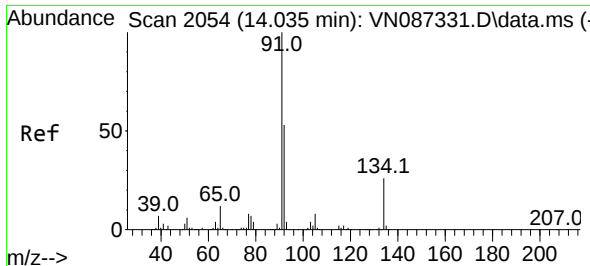
Ion Ratio Lower Upper

146 100

111 42.0 19.6 58.7

148 63.9 31.4 94.0

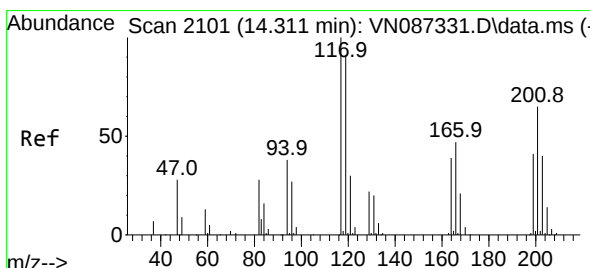
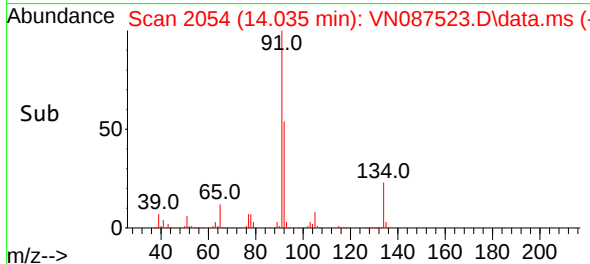
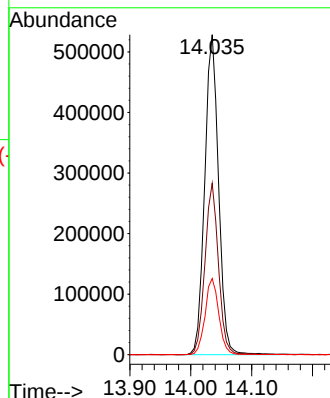
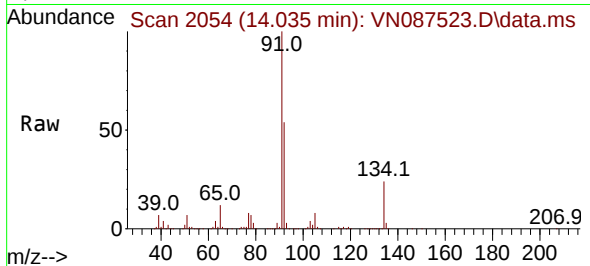




#89
n-Butylbenzene
Concen: 62.647 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

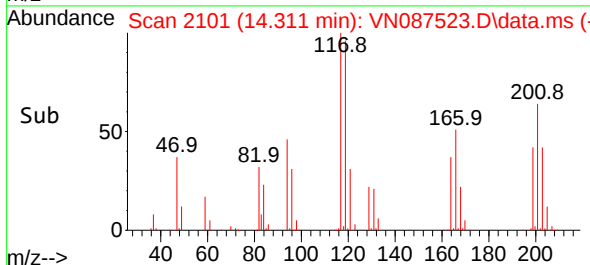
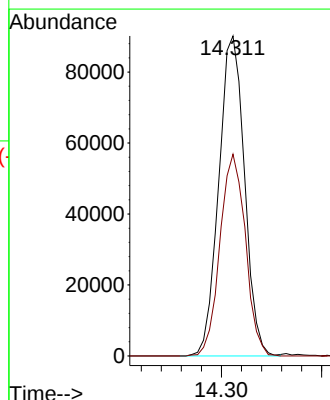
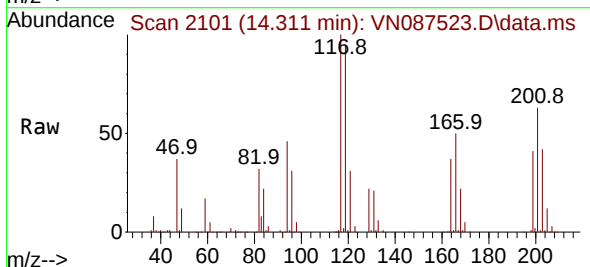
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

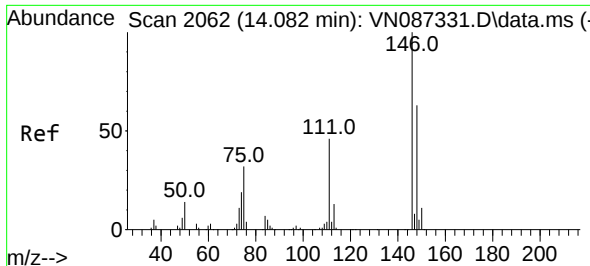
Tgt Ion: 91 Resp: 833388
Ion Ratio Lower Upper
91 100
92 52.3 26.2 78.6
134 23.6 12.4 37.2



#90
Hexachloroethane
Concen: 54.358 ug/l
RT: 14.311 min Scan# 2101
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 117 Resp: 160453
Ion Ratio Lower Upper
117 100
201 62.5 32.8 98.4

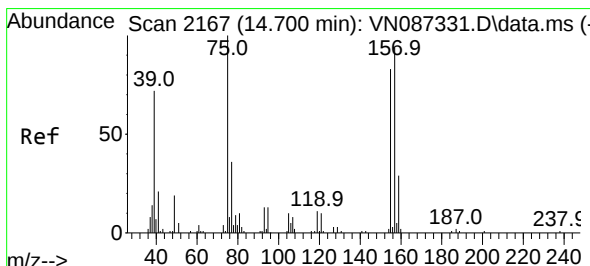
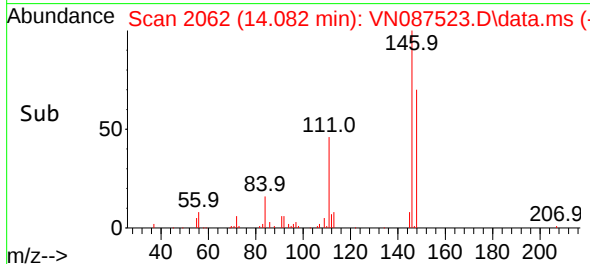
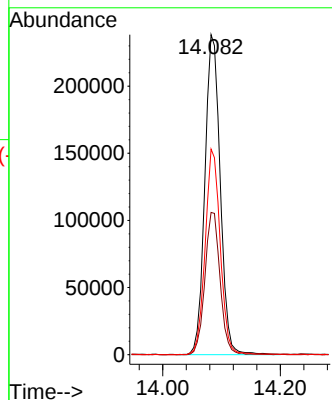
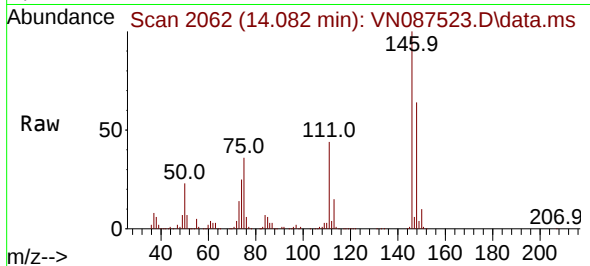




#91
1,2-Dichlorobenzene
Concen: 55.320 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

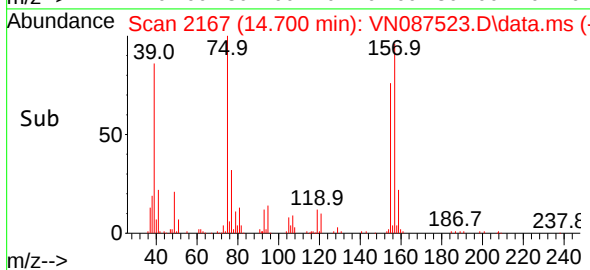
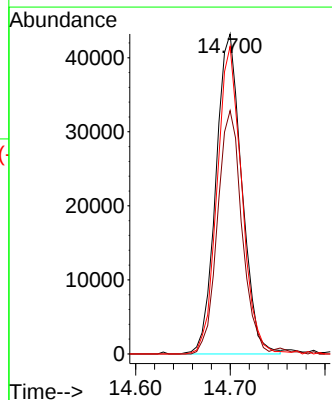
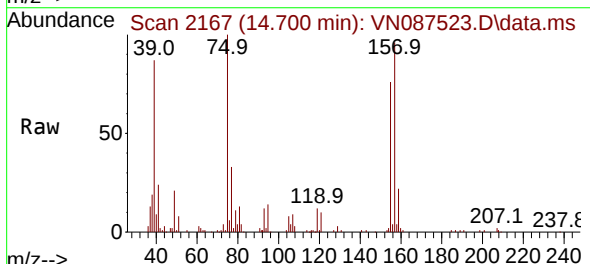
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

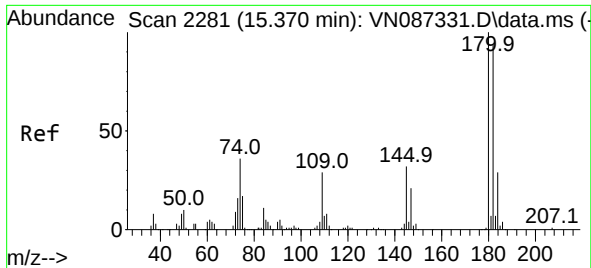
Tgt Ion:146 Resp: 432630
Ion Ratio Lower Upper
146 100
111 43.9 22.0 66.0
148 62.9 32.7 98.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 51.121 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion: 75 Resp: 81908
Ion Ratio Lower Upper
75 100
155 71.9 37.3 111.8
157 92.0 46.2 138.6

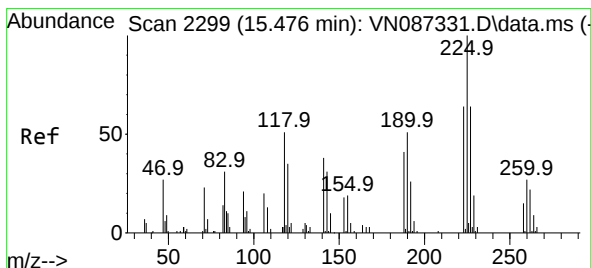
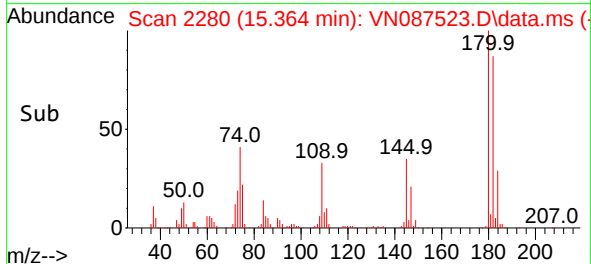
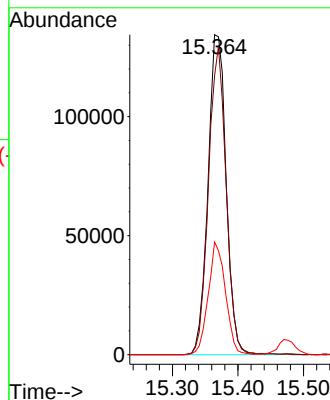
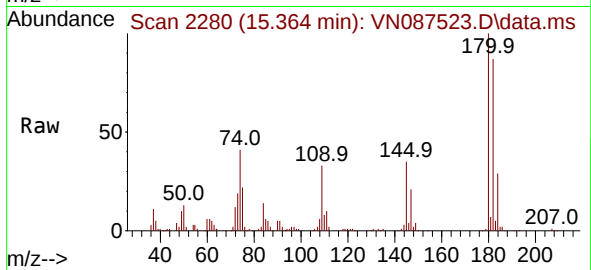




#93
1,2,4-Trichlorobenzene
Concen: 56.438 ug/l
RT: 15.364 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

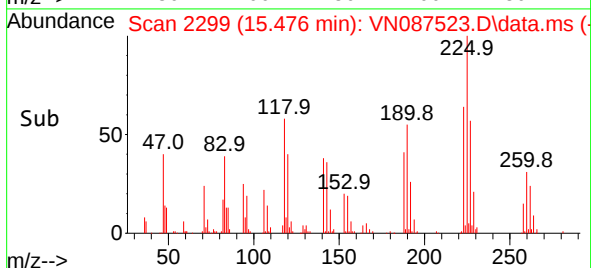
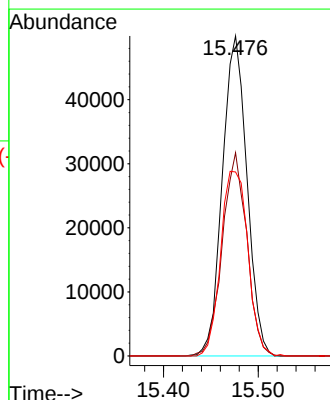
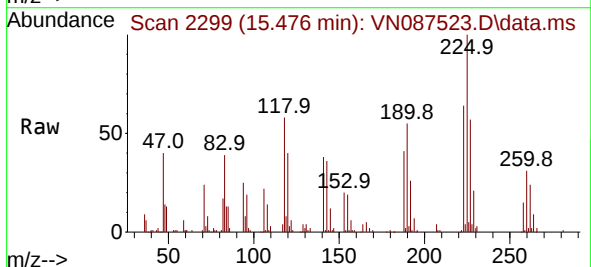
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

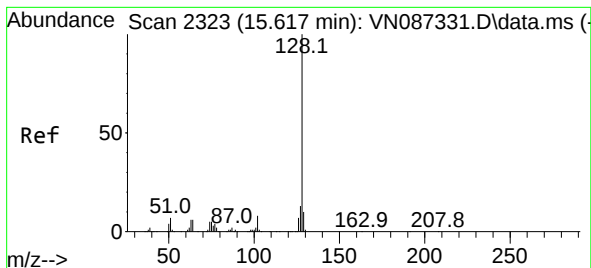
Tgt Ion:180 Resp: 259265
Ion Ratio Lower Upper
180 100
182 93.1 47.3 141.8
145 33.4 15.4 46.4



#94
Hexachlorobutadiene
Concen: 52.771 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN087523.D
Acq: 12 Aug 2025 18:24

Tgt Ion:225 Resp: 90076
Ion Ratio Lower Upper
225 100
223 63.4 32.1 96.3
227 64.0 31.3 93.9





#95

Naphthalene

Concen: 58.727 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087523.D

Acq: 12 Aug 2025 18:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

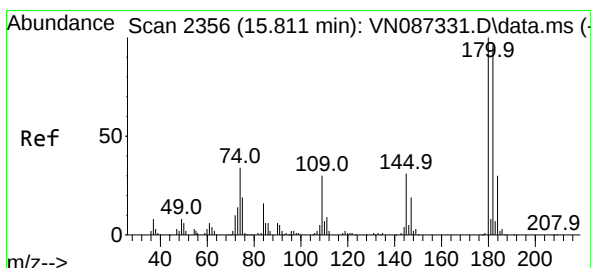
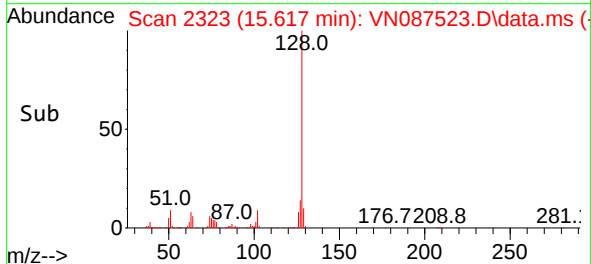
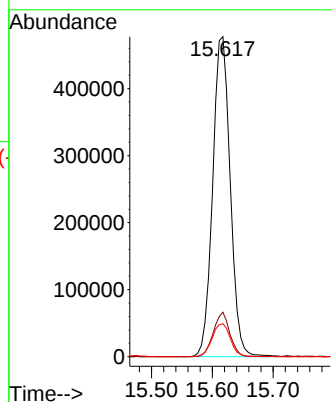
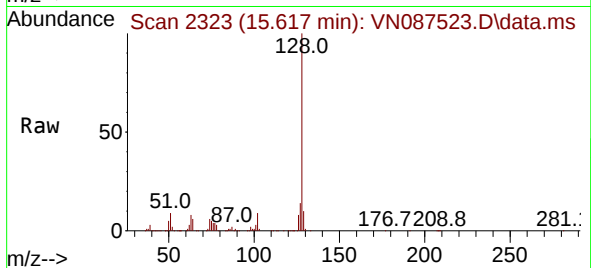
Tgt Ion:128 Resp: 955726

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

129 10.7 8.4 12.6



#96

1,2,3-Trichlorobenzene

Concen: 54.256 ug/l

RT: 15.811 min Scan# 2356

Delta R.T. 0.000 min

Lab File: VN087523.D

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Tgt Ion:180 Resp: 250016

Ion Ratio Lower Upper

180 100

182 93.3 47.1 141.4

145 35.7 16.9 50.6

