

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072325\
 Data File : VN087400.D
 Acq On : 23 Jul 2025 10:29
 Operator : JC\MD
 Sample : VSTDICCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Quant Time: Jul 24 04:47:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N072325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 24 04:45:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	27767	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	130417	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	128421	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	69707	30.336	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.133%
60) 4-Bromofluorobenzene	12.829	95	60978	28.477	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.933%
63) Toluene-d8	10.547	98	176153	29.793	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	33446	20.550	ug/l	100
3) Chloromethane	2.389	50	32954	20.058	ug/l	100
4) Vinyl Chloride	2.542	62	34020	18.517	ug/l	100
5) Bromomethane	2.989	94	20154	19.231	ug/l	100
6) Chloroethane	3.142	64	28529	20.198	ug/l	100
7) Trichlorofluoromethane	3.512	101	62955	20.078	ug/l	100
8) Diethyl Ether	3.965	74	24291	19.888	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	32851	20.239	ug/l	100
10) 1,1-Dichloroethene	4.342	96	32616	19.387	ug/l	100
11) Methyl Iodide	4.583	142	16774	14.077	ug/l	100
12) Methyl Acetate	5.018	43	41499	19.014	ug/l	100
13) Acrolein	4.183	56	32964	87.471	ug/l	100
14) Acrylonitrile	5.712	53	91025	91.731	ug/l	100
15) Acetone	4.424	58	35454	102.368	ug/l	100
16) Carbon Disulfide	4.706	76	85211	19.703	ug/l	100
17) Allyl chloride	5.018	41	41684	17.980	ug/l	100
18) Methylene Chloride	5.259	84	19002	11.124	ug/l #	90
19) trans-1,2-Dichloroethene	5.771	96	17690	10.828	ug/l	99
20) Diisopropyl ether	6.665	45	104596	18.029	ug/l	100
21) 1,1-Dichloroethane	6.559	63	60378	18.992	ug/l	100
22) cis-1,2-Dichloroethene	7.477	96	36718	18.870	ug/l	100
23) tert-Butyl Alcohol	5.524	59	31670	93.715	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	100511	18.748	ug/l	100
25) Chloroform	7.947	83	67390	19.610	ug/l	100
26) Cyclohexane	8.241	56	40984	17.368	ug/l	100
29) 1,1-Dichloropropene	8.353	75	40484	18.360	ug/l	100
30) 2-Butanone	7.471	43	133079	89.708	ug/l	100
31) 2,2-Dichloropropane	7.471	77	55199	19.061	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	56056	19.562	ug/l	100
33) Carbon Tetrachloride	8.347	117	48546	19.291	ug/l	100
34) Benzene	8.588	78	133184	18.952	ug/l	100
35) Methacrylonitrile	7.765	41	27134	17.703	ug/l	100
36) 1,2-Dichloroethane	8.653	62	55064	19.602	ug/l	100
37) Trichloroethene	9.335	130	30768	18.714	ug/l	100
38) Methylcyclohexane	9.582	83	39897	17.489	ug/l	100
39) 1,2-Dichloropropane	9.606	63	33853	19.172	ug/l	100
40) Dibromomethane	9.688	93	27550	19.767	ug/l	100
41) Bromodichloromethane	9.871	83	54322	19.684	ug/l	100
42) Vinyl Acetate	6.588	43	446972	87.987	ug/l	100

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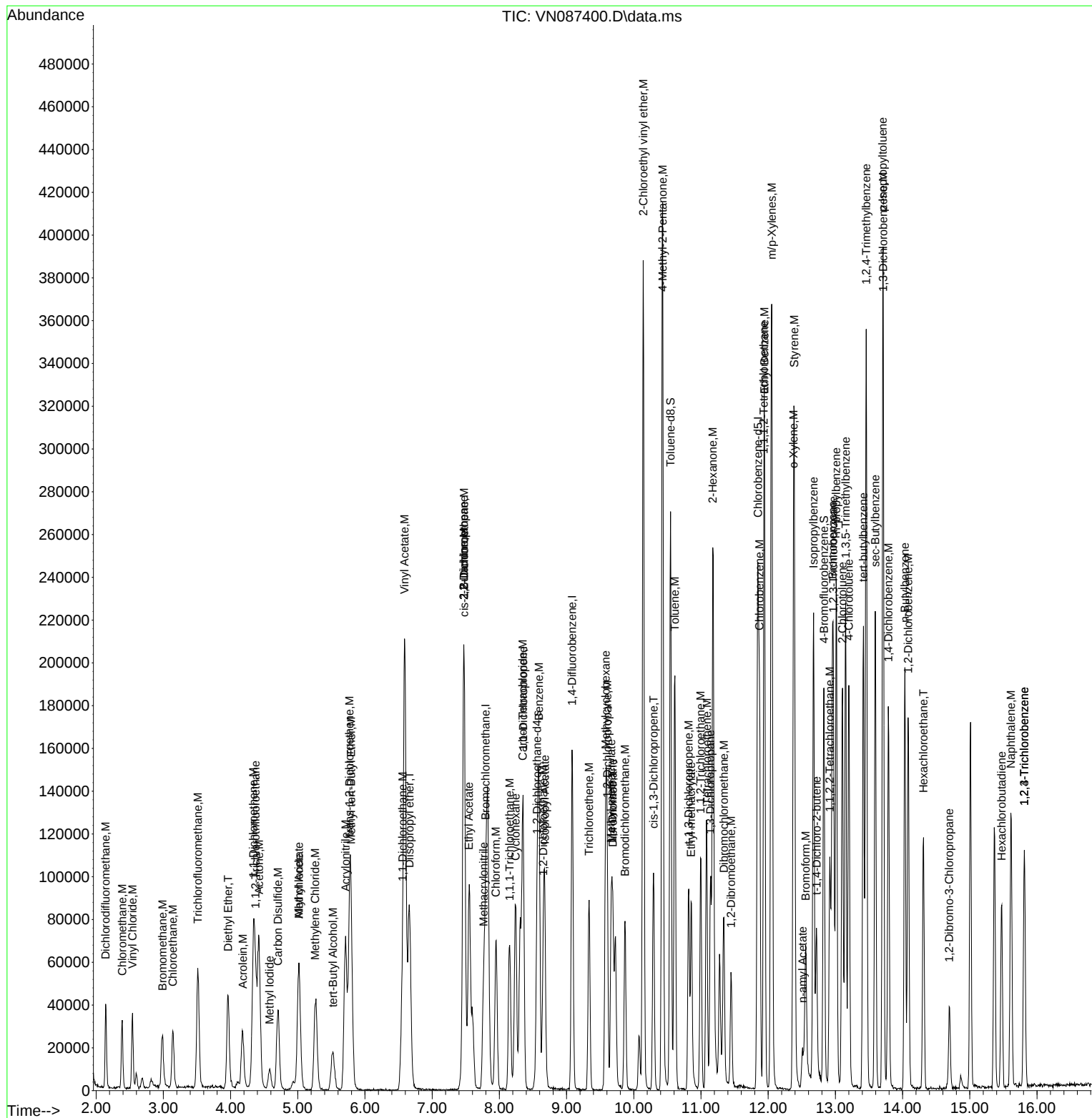
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	57748	18.630	ug/l	100
44) Isopropyl Acetate	8.677	43	85629	18.168	ug/l	100
45) 1,4-Dioxane	9.682	88	11772	408.264	ug/l	100
46) Methyl methacrylate	9.665	41	38142	17.623	ug/l	100
47) n-amyl Acetate	12.512	43	18973	7.798	ug/l #	99
48) t-1,3-Dichloropropene	10.818	75	52391	18.032	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	55661	18.950	ug/l	100
50) 1,1,2-Trichloroethane	10.994	97	34548	19.337	ug/l	100
51) Ethyl methacrylate	10.853	69	47990	17.749	ug/l	100
52) 1,3-Dichloropropane	11.141	76	57161	18.867	ug/l	100
53) Dibromochloromethane	11.341	129	40328	19.214	ug/l	100
54) 1,2-Dibromoethane	11.447	107	35413	18.935	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	157485	108.687	ug/l	100
56) Bromoform	12.559	173	26600	17.949	ug/l	100
58) 4-Methyl-2-Pentanone	10.429	43	282441	91.785	ug/l	100
59) 2-Hexanone	11.176	43	186567	89.134	ug/l	100
61) Tetrachloroethene	11.088	164	27708	19.234	ug/l	100
62) Toluene	10.612	91	142637	18.421	ug/l	100
64) Chlorobenzene	11.870	112	93071	19.004	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.935	131	34520	19.167	ug/l	100
66) Ethyl Benzene	11.947	91	142515	17.246	ug/l	100
67) m/p-Xylenes	12.053	106	118595	35.912	ug/l	100
68) o-Xylene	12.376	106	54870	17.727	ug/l	100
69) Styrene	12.388	104	95241	17.494	ug/l	100
70) Isopropylbenzene	12.676	105	140081	17.654	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.917	83	53302	18.794	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	70329	19.575	ug/l	56
73) Bromobenzene	12.959	156	37745	18.233	ug/l	100
74) n-propylbenzene	13.012	91	179285	17.779	ug/l	100
75) 2-Chlorotoluene	13.106	91	107691	18.087	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	121117	17.638	ug/l	100
77) t-1,4-Dichloro-2-butene	12.723	75	16109	16.381	ug/l	100
78) 4-Chlorotoluene	13.200	91	112420	17.596	ug/l	100
79) tert-butylbenzene	13.417	119	98238	16.969	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	123108	17.516	ug/l	99
81) sec-Butylbenzene	13.594	105	141966	16.808	ug/l	100
82) p-Isopropyltoluene	13.706	119	122521	16.942	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	74523	17.852	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	72591	17.595	ug/l	100
85) n-Butylbenzene	14.035	91	108977	16.497	ug/l	100
86) Hexachloroethane	14.312	117	24372	17.135	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	70006	17.679	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.694	75	10355	16.108	ug/l	100
89) 1,2,4-Trichlorobenzene	15.811	180	38903	17.224	ug/l	100
90) Hexachlorobutadiene	15.476	225	16919	18.113	ug/l	100
91) Naphthalene	15.611	128	118917	15.987	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	38903	17.224	ug/l	100

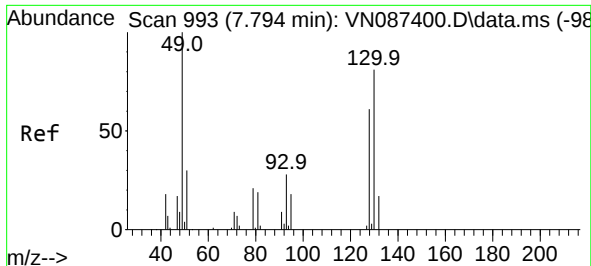
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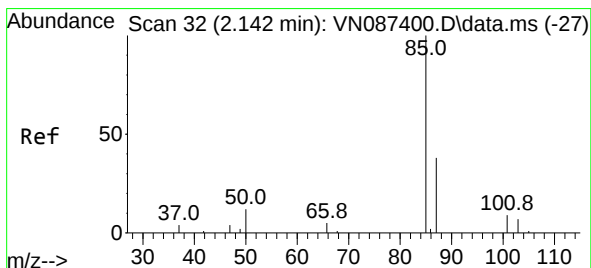
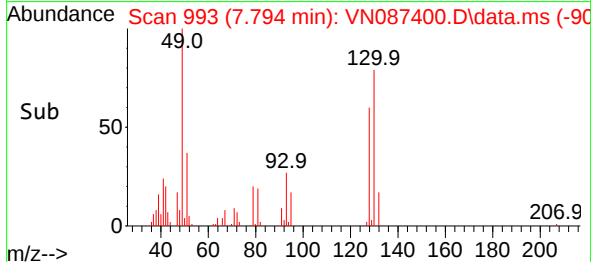
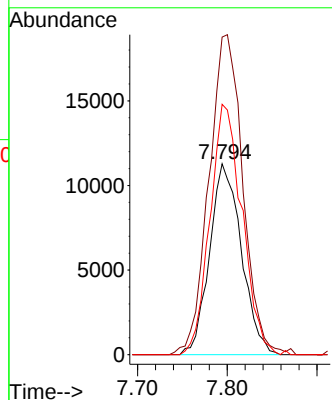
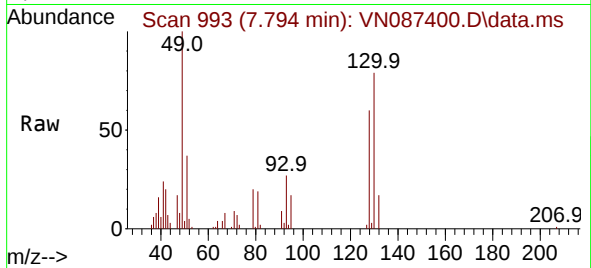




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

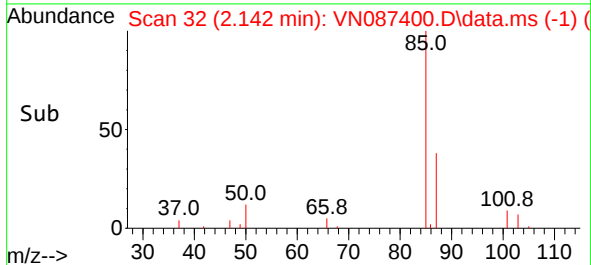
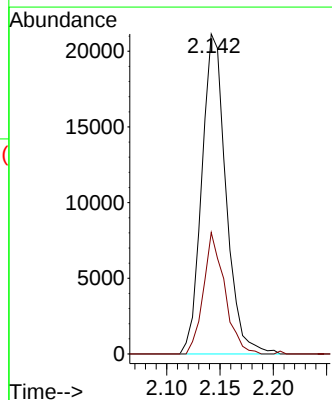
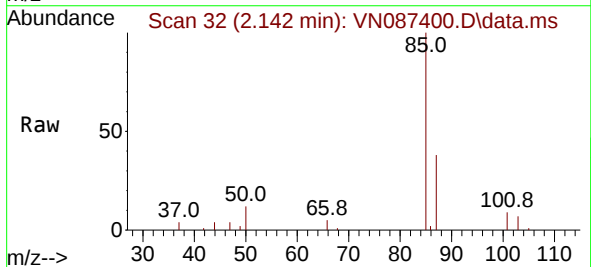
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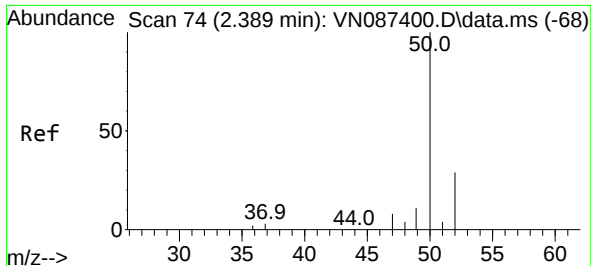
Tgt Ion:128 Resp: 27767
Ion Ratio Lower Upper
128 100
49 178.5 0.0 446.2
130 132.4 0.0 331.0



#2
Dichlorodifluoromethane
Concen: 20.550 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 85 Resp: 33446
Ion Ratio Lower Upper
85 100
87 37.9 18.9 56.9

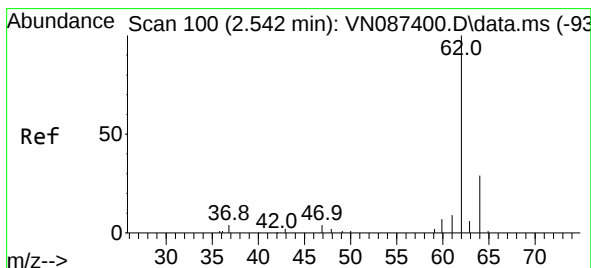
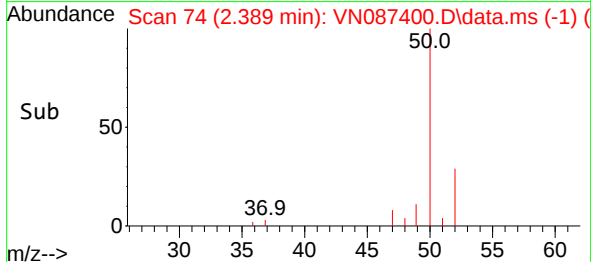
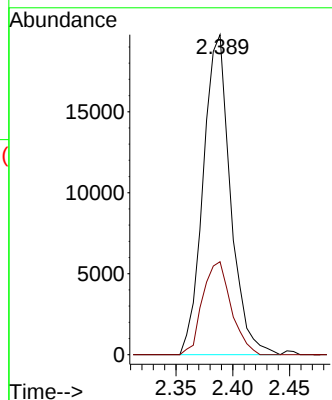
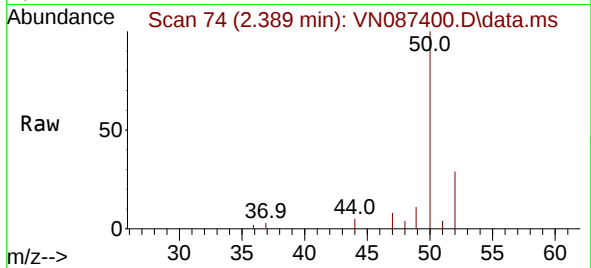




#3
Chloromethane
Concen: 20.058 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

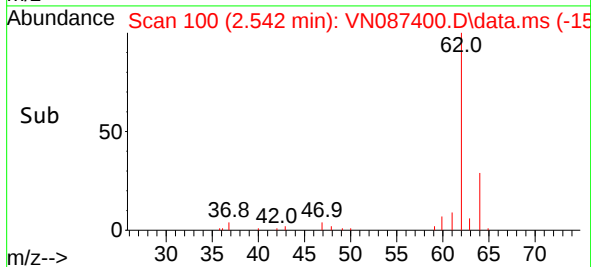
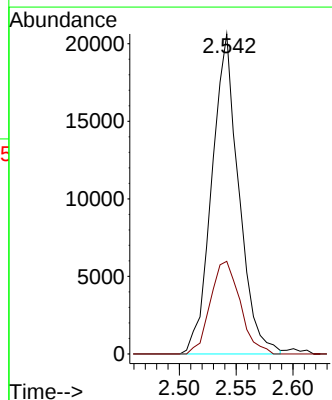
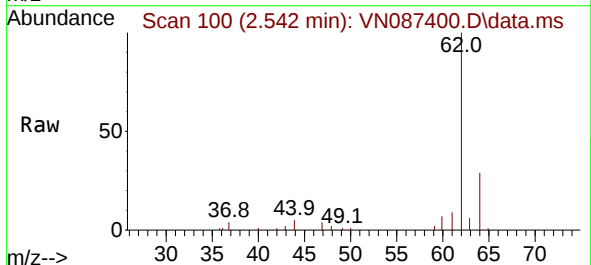
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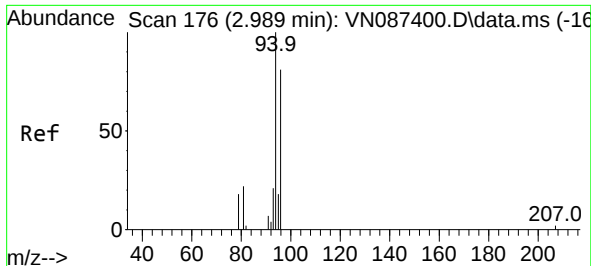
Tgt Ion: 50 Resp: 32954
Ion Ratio Lower Upper
50 100
52 29.0 23.2 34.8



#4
Vinyl Chloride
Concen: 18.517 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 62 Resp: 34020
Ion Ratio Lower Upper
62 100
64 29.0 23.2 34.8

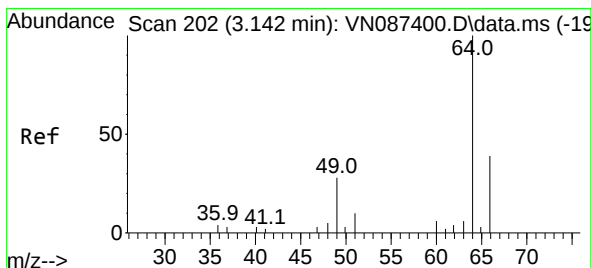
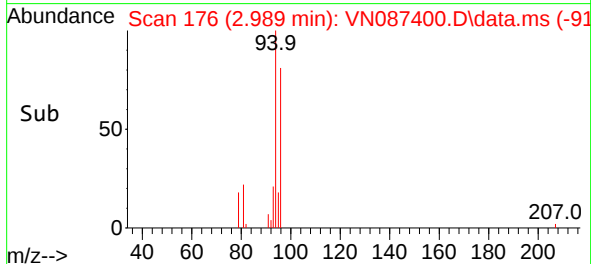
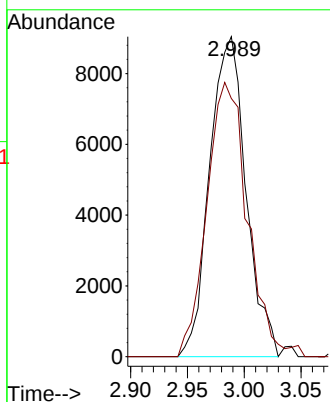
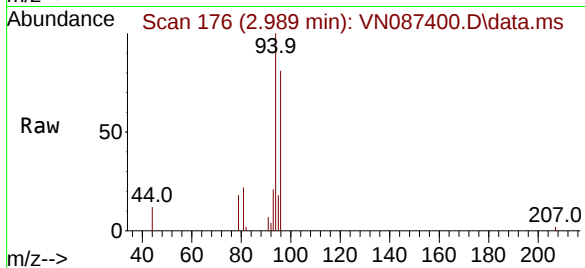




#5
Bromomethane
Concen: 19.231 ug/l
RT: 2.989 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087400.D
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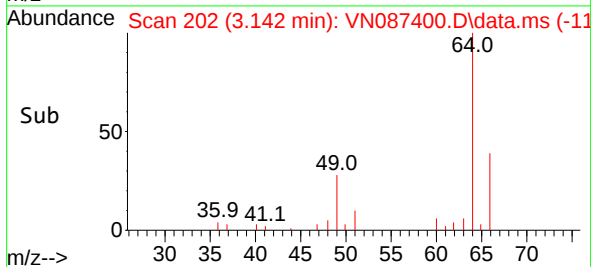
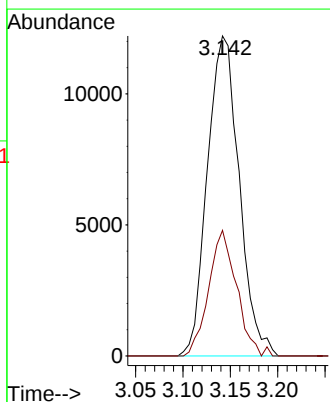
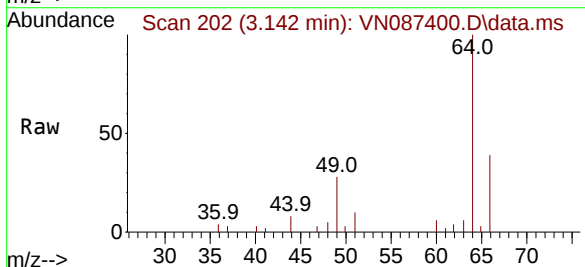
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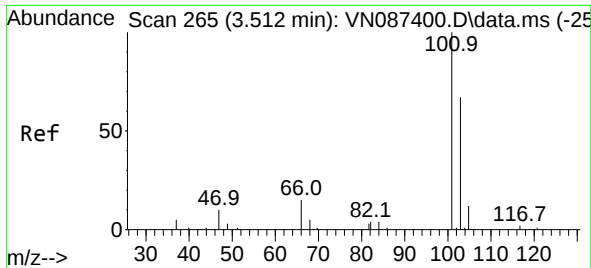
Tgt Ion: 94 Resp: 20154
Ion Ratio Lower Upper
94 100
96 80.7 64.6 96.8



#6
Chloroethane
Concen: 20.198 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 64 Resp: 28529
Ion Ratio Lower Upper
64 100
66 39.3 31.4 47.2

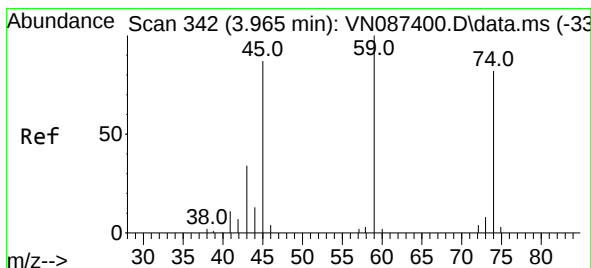
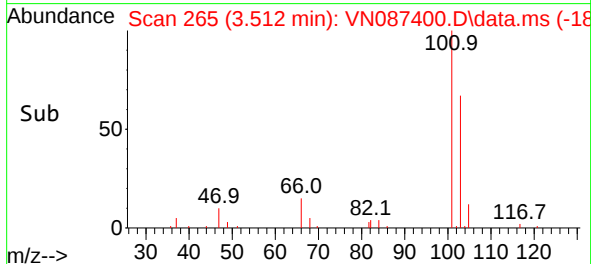
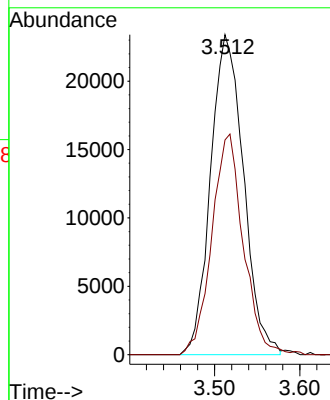
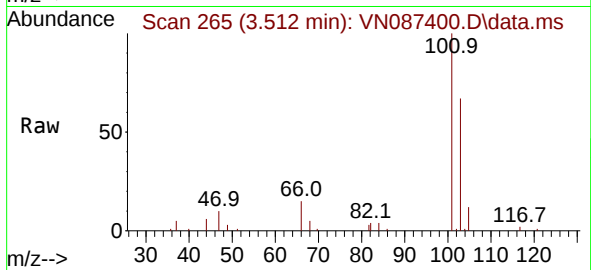




#7
 Trichlorofluoromethane
 Concen: 20.078 ug/l
 RT: 3.512 min Scan# 265
 Delta R.T. 0.000 min
 Lab File: VN087400.D
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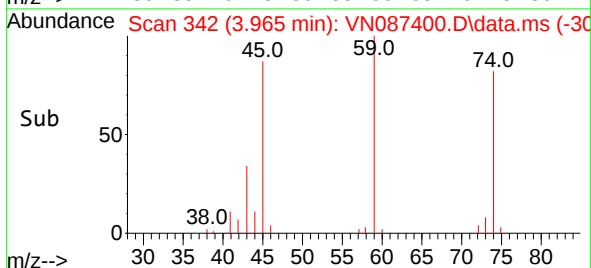
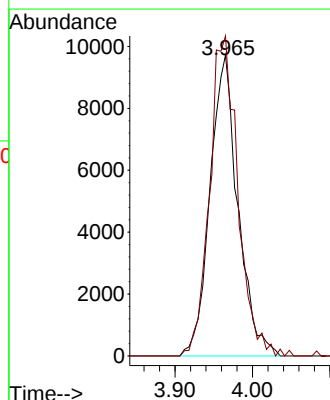
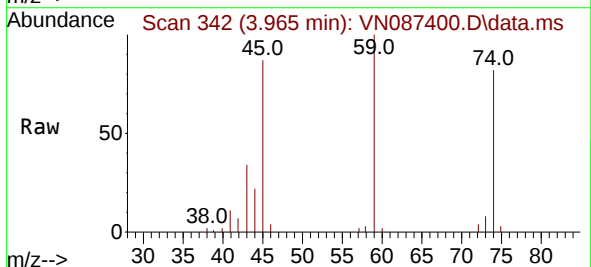
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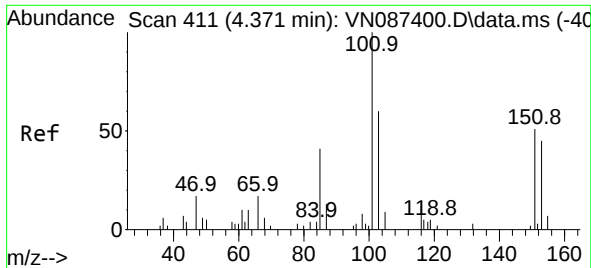
Tgt Ion:101 Resp: 62955
 Ion Ratio Lower Upper
 101 100
 103 67.1 53.7 80.5



#8
 Diethyl Ether
 Concen: 19.888 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

Tgt Ion: 74 Resp: 24291
 Ion Ratio Lower Upper
 74 100
 45 107.1 21.4 192.8

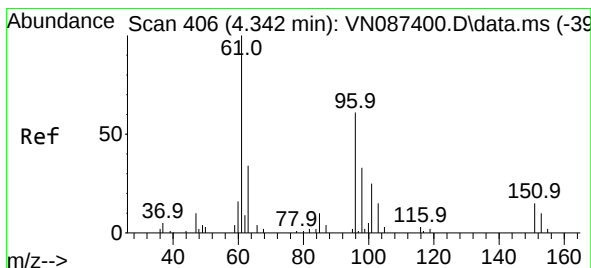
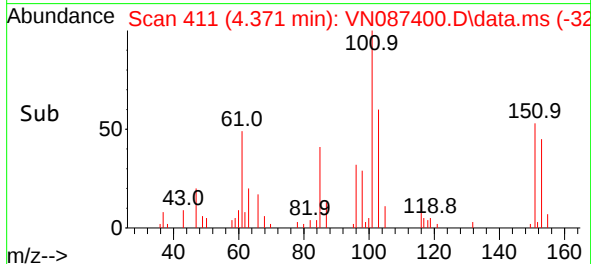
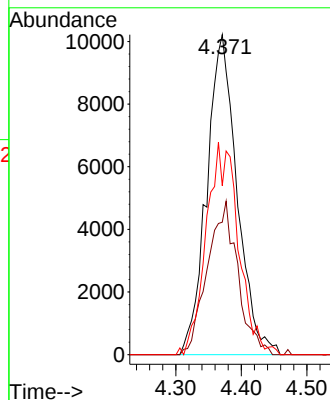
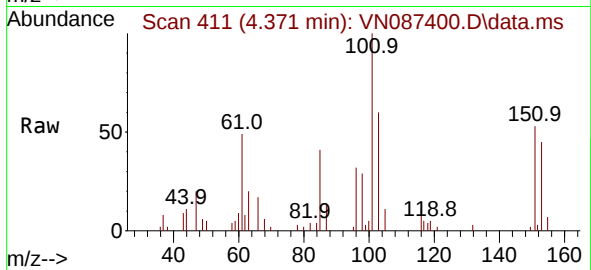




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.239 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
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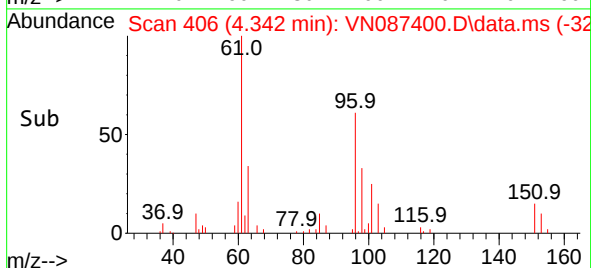
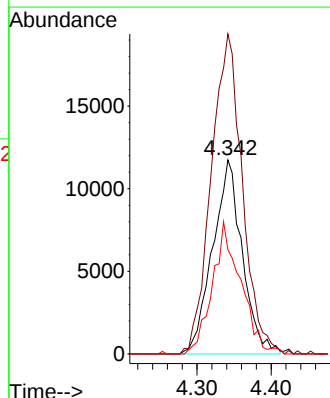
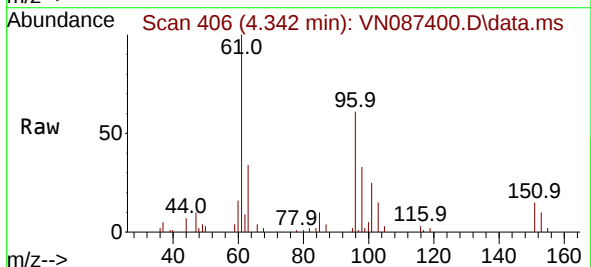
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 ClientSampleId :
 VSTDICCC020

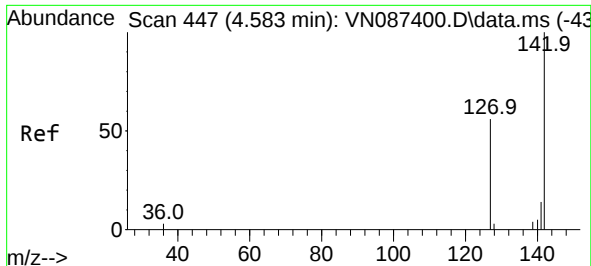
Tgt Ion:101 Resp: 32851
 Ion Ratio Lower Upper
 101 100
 85 47.4 0.0 94.8
 151 32.4 0.0 64.8



#10
 1,1-Dichloroethene
 Concen: 19.387 ug/l
 RT: 4.342 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

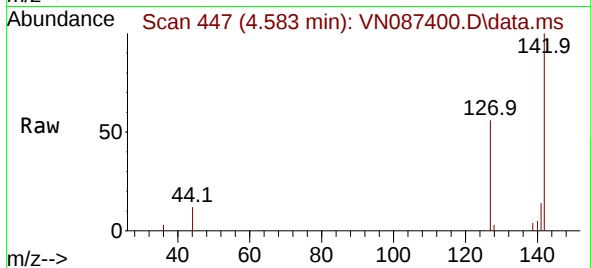
Tgt Ion: 96 Resp: 32616
 Ion Ratio Lower Upper
 96 100
 61 164.8 131.8 197.8
 98 53.7 43.0 64.4





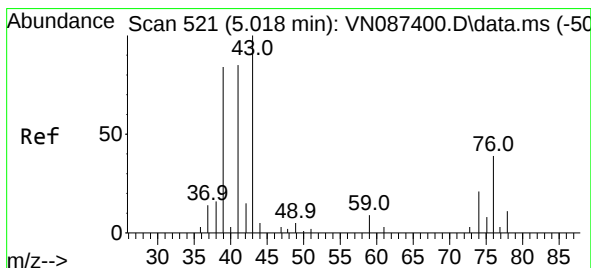
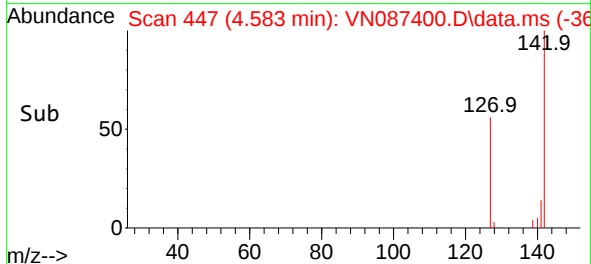
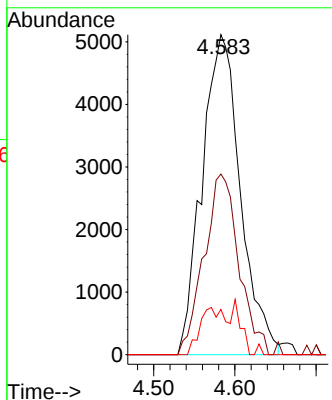
#11
Methyl Iodide
Concen: 14.077 ug/l
RT: 4.583 min Scan# 447
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020



Tgt Ion:142 Resp: 16774

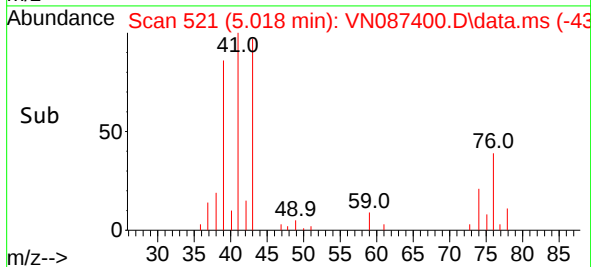
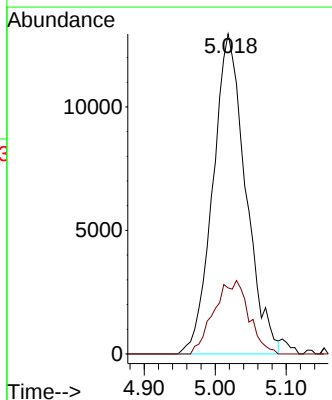
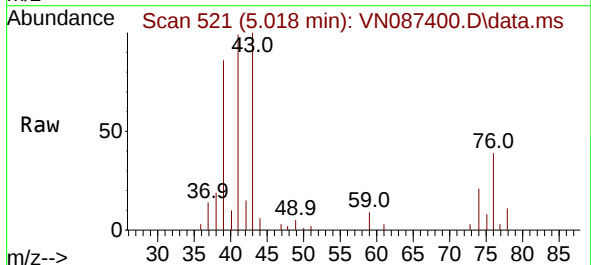
Ion	Ratio	Lower	Upper
142	100		
127	55.3	27.7	83.0
141	14.4	7.2	21.6

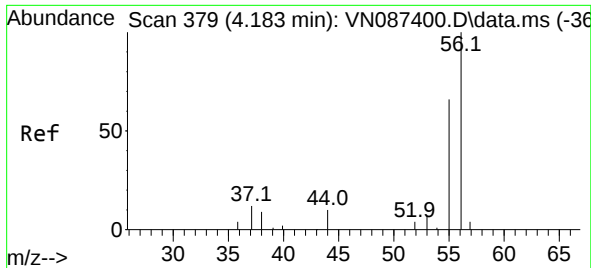


#12
Methyl Acetate
Concen: 19.014 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 43 Resp: 41499

Ion	Ratio	Lower	Upper
43	100		
74	21.1	16.9	25.3





#13

Acrolein

Concen: 87.471 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

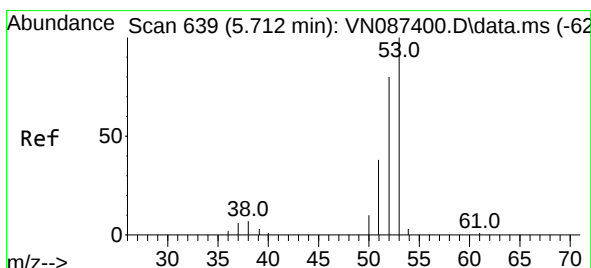
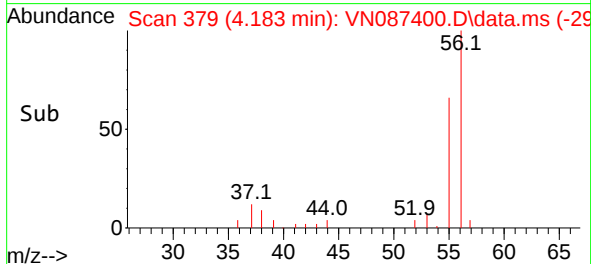
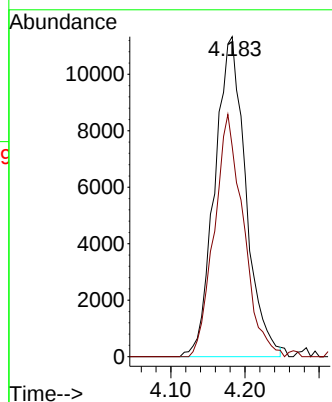
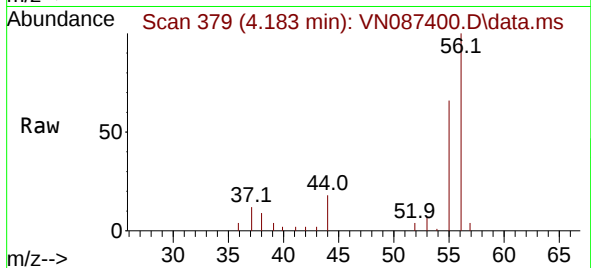
VSTDICCC020

Tgt Ion: 56 Resp: 32964

Ion Ratio Lower Upper

56 100

55 71.0 56.8 85.2



#14

Acrylonitrile

Concen: 91.731 ug/l

RT: 5.712 min Scan# 639

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

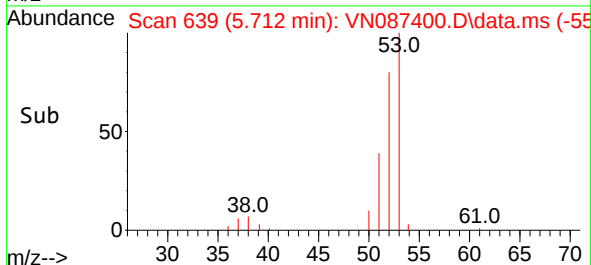
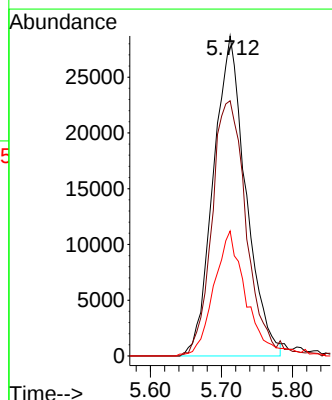
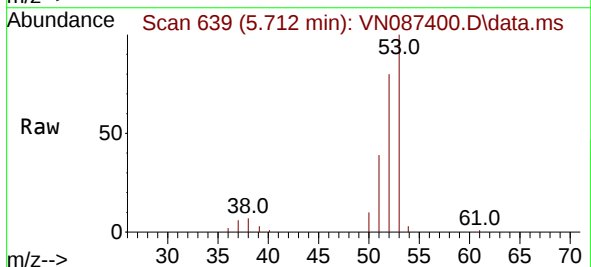
Tgt Ion: 53 Resp: 91025

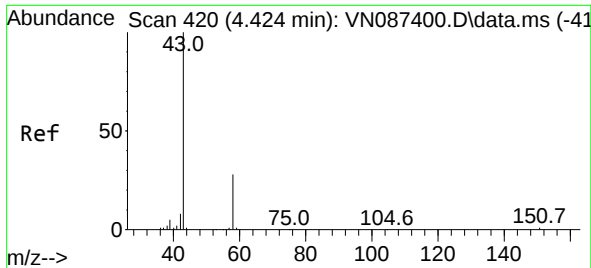
Ion Ratio Lower Upper

53 100

52 83.1 41.5 124.6

51 38.9 19.4 58.4





#15

Acetone

Concen: 102.368 ug/l

RT: 4.424 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

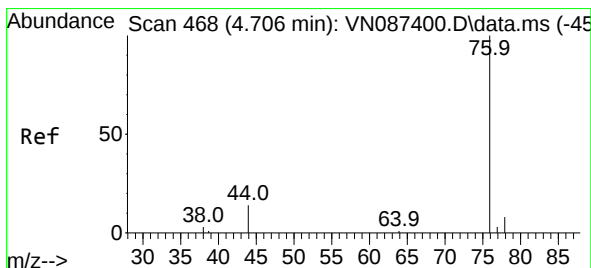
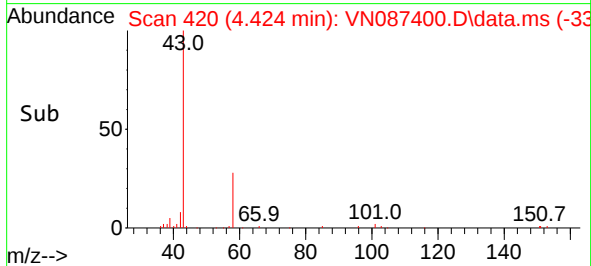
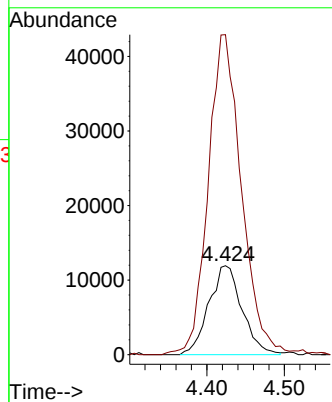
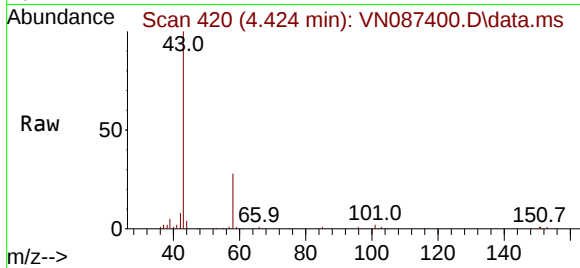
VSTDICCC020

Tgt Ion: 58 Resp: 35454

Ion Ratio Lower Upper

58 100

43 354.2 283.4 425.0



#16

Carbon Disulfide

Concen: 19.703 ug/l

RT: 4.706 min Scan# 468

Delta R.T. 0.000 min

Lab File: VN087400.D

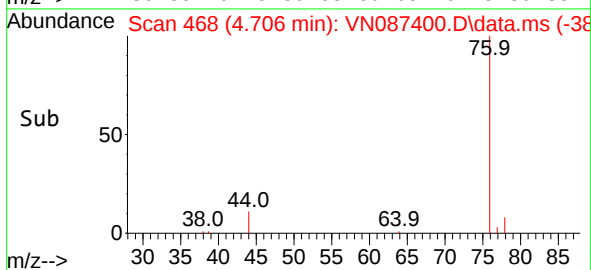
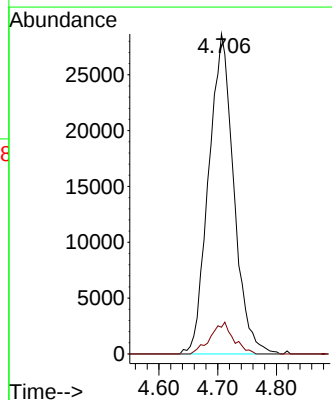
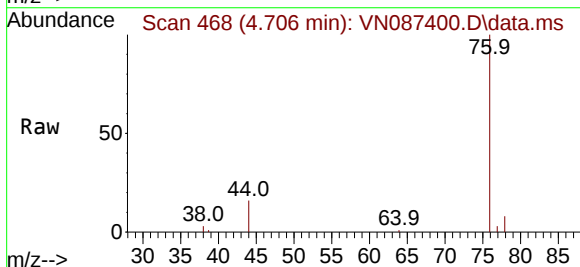
Acq: 23 Jul 2025 10:29

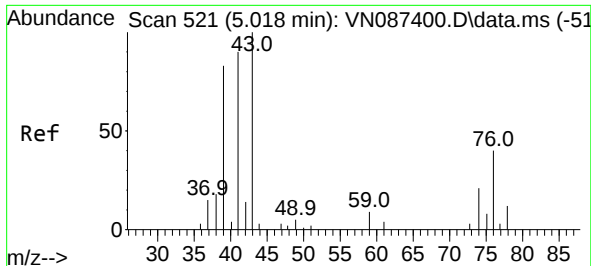
Tgt Ion: 76 Resp: 85211

Ion Ratio Lower Upper

76 100

78 8.3 6.6 10.0

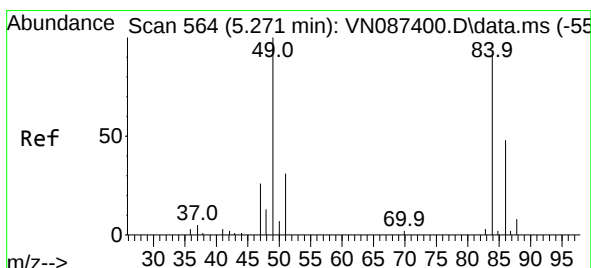
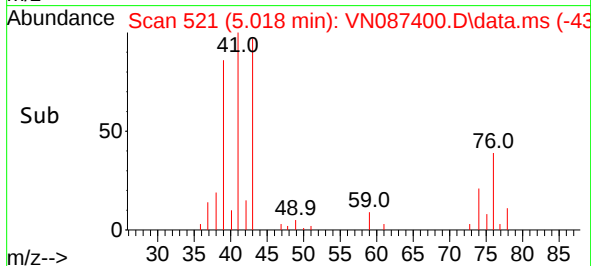
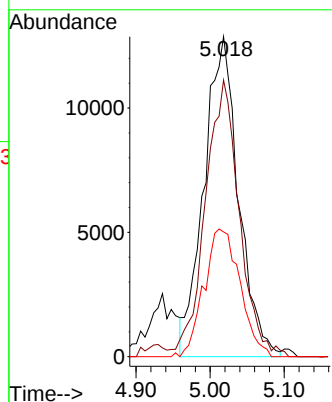
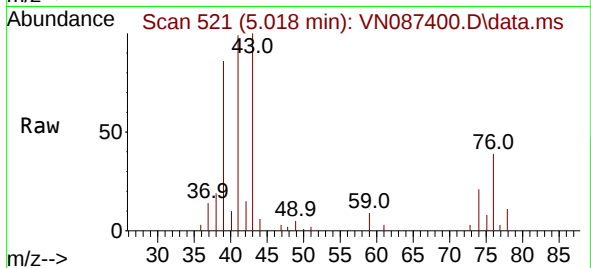




#17
 Allyl chloride
 Concen: 17.980 ug/l
 RT: 5.018 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

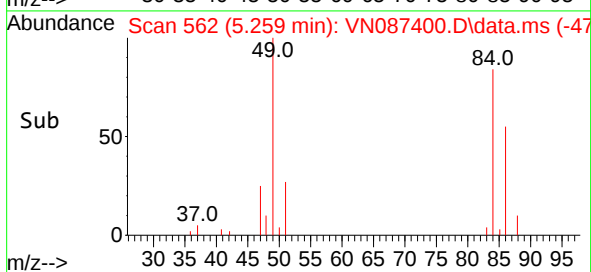
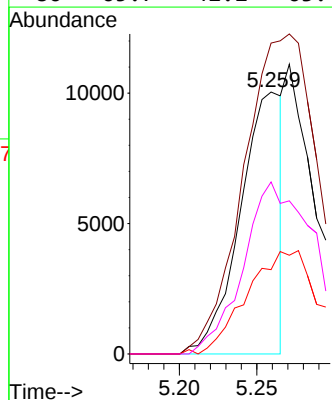
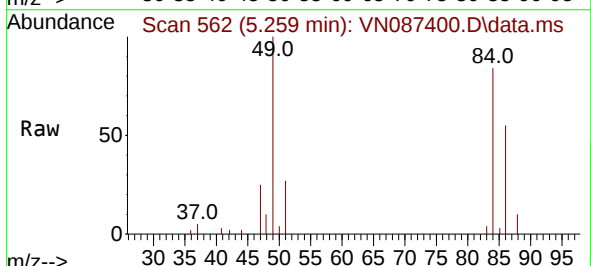
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

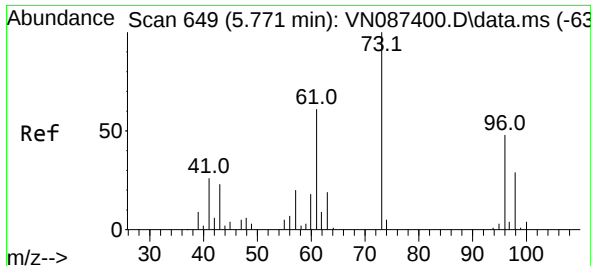
Tgt Ion:	41	Resp:	41684
Ion	Ratio	Lower	Upper
41	100		
39	85.8	42.9	128.7
76	39.6	19.8	59.4



#18
 Methylene Chloride
 Concen: 11.124 ug/l
 RT: 5.259 min Scan# 562
 Delta R.T. -0.012 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

Tgt Ion:	84	Resp:	19002
Ion	Ratio	Lower	Upper
84	100		
49	118.7	88.4	132.6
51	32.2	27.3	40.9
86	65.7	42.2	63.4





#19

trans-1,2-Dichloroethene

Concen: 10.828 ug/l

RT: 5.771 min Scan# 649

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

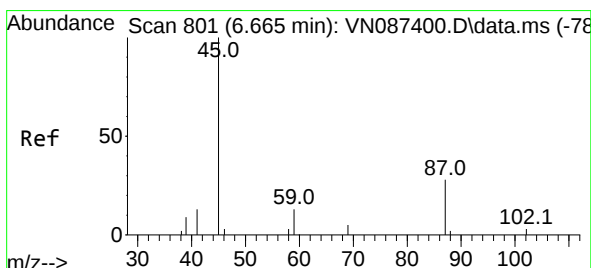
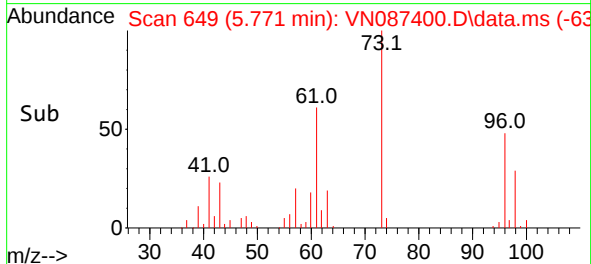
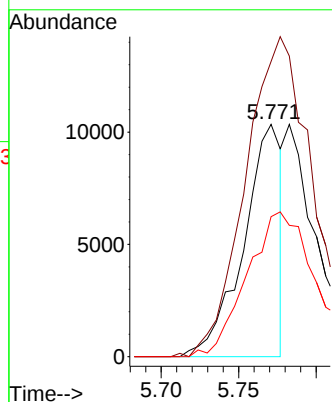
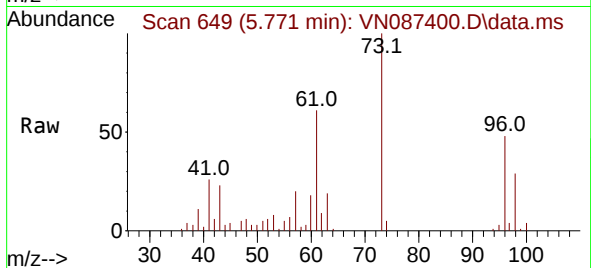
Tgt Ion: 96 Resp: 17690

Ion Ratio Lower Upper

96 100

61 125.6 101.7 152.5

98 60.3 48.2 72.4



#20

Diisopropyl ether

Concen: 18.029 ug/l

RT: 6.665 min Scan# 801

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Tgt Ion: 45 Resp: 104596

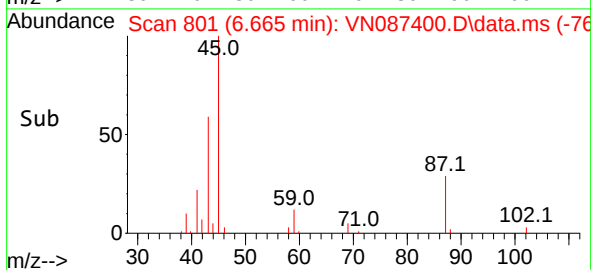
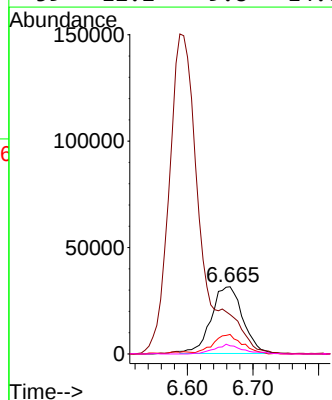
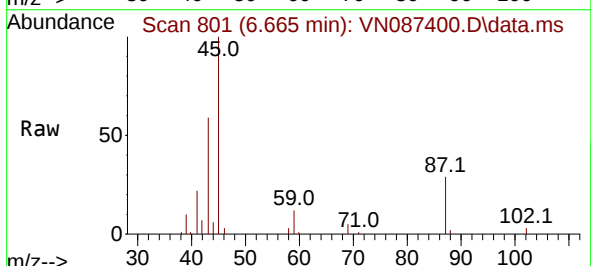
Ion Ratio Lower Upper

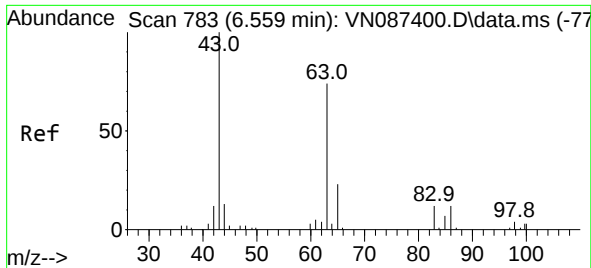
45 100

43 57.5 46.0 69.0

87 29.3 23.4 35.2

59 12.2 9.8 14.6

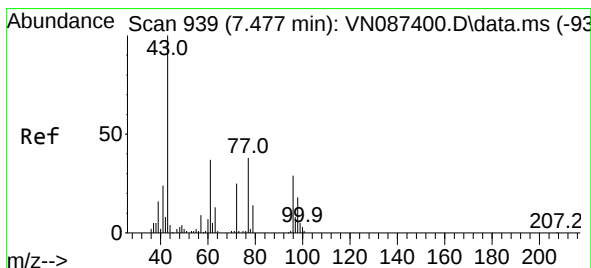
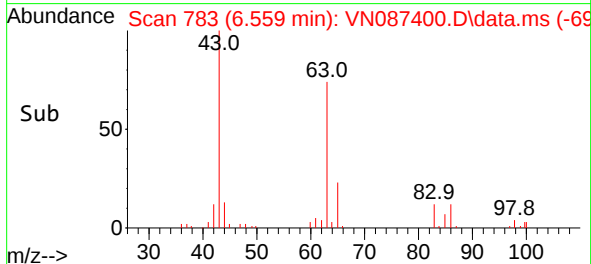
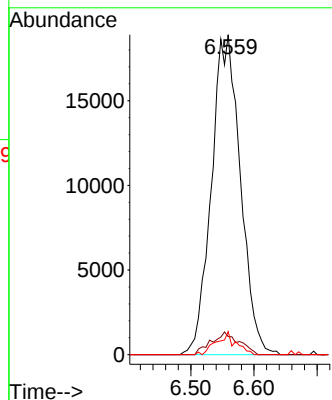
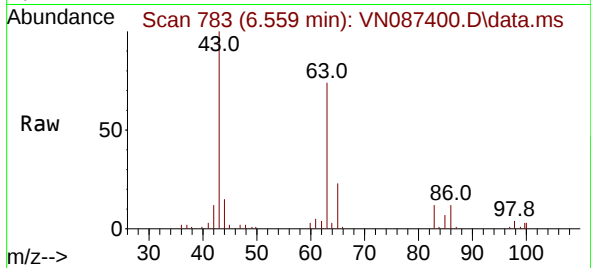




#21
1,1-Dichloroethane
Concen: 18.992 ug/l
RT: 6.559 min Scan# 783
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

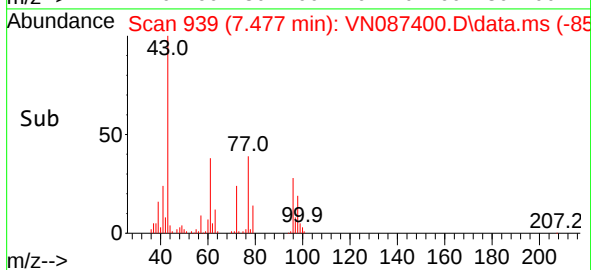
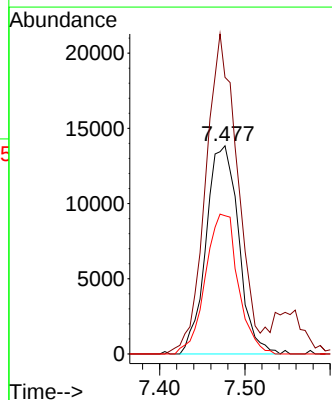
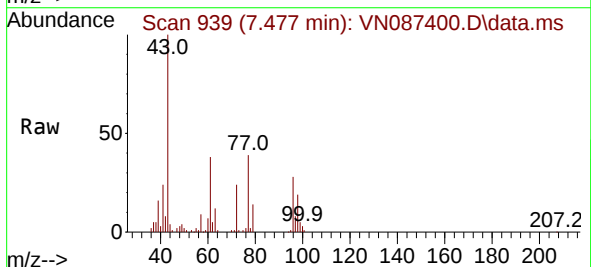
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

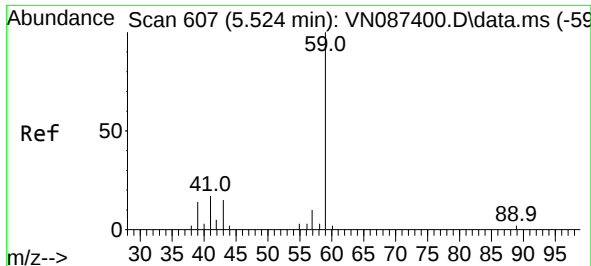
Tgt Ion: 63 Resp: 60378
Ion Ratio Lower Upper
63 100
98 5.7 2.9 8.6
100 7.2 3.6 10.8



#22
cis-1,2-Dichloroethene
Concen: 18.870 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 96 Resp: 36718
Ion Ratio Lower Upper
96 100
61 150.5 120.4 180.6
98 67.5 54.0 81.0

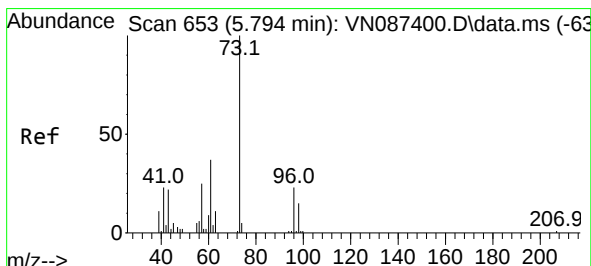
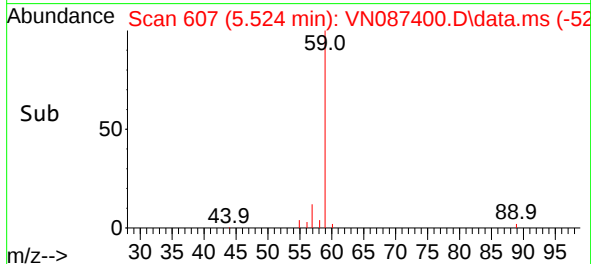
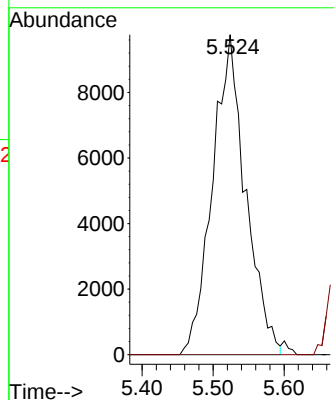
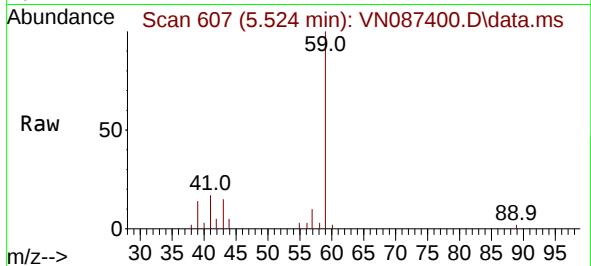




#23
 tert-Butyl Alcohol
 Concen: 93.715 ug/l
 RT: 5.524 min Scan# 607
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

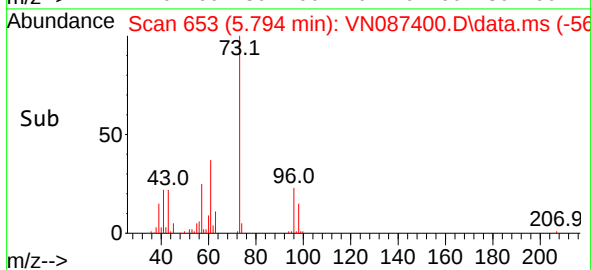
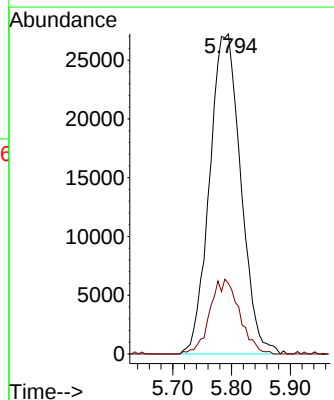
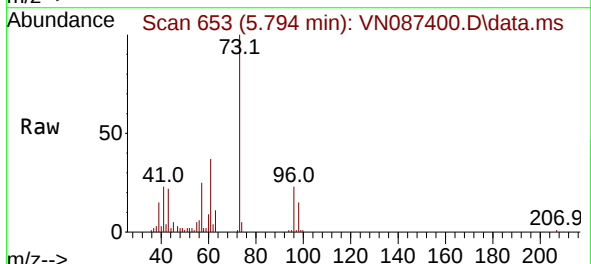
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

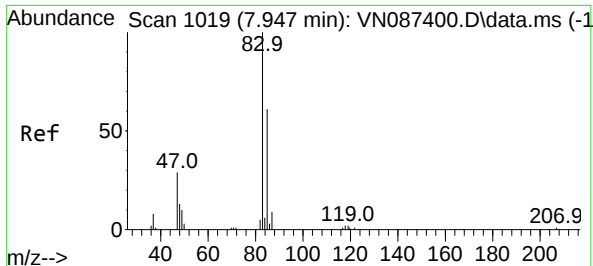
Tgt Ion: 59 Resp: 31670
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 18.748 ug/l
 RT: 5.794 min Scan# 653
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

Tgt Ion: 73 Resp: 100511
 Ion Ratio Lower Upper
 73 100
 43 22.1 17.7 26.5





#25

Chloroform

Concen: 19.610 ug/l

RT: 7.947 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

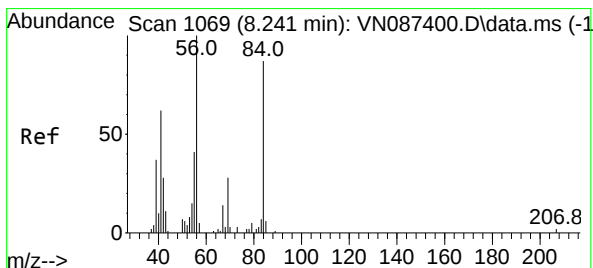
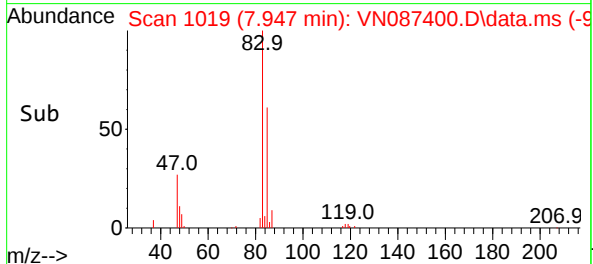
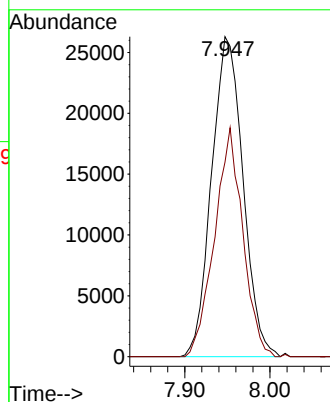
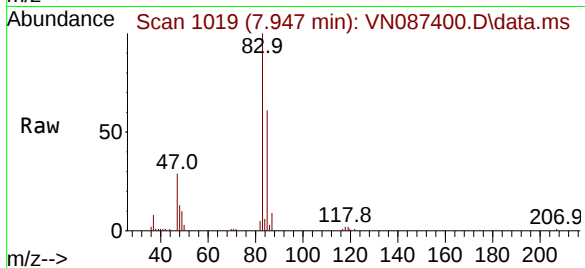
VSTDICCC020

Tgt Ion: 83 Resp: 67390

Ion Ratio Lower Upper

83 100

85 60.8 48.6 73.0



#26

Cyclohexane

Concen: 17.368 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

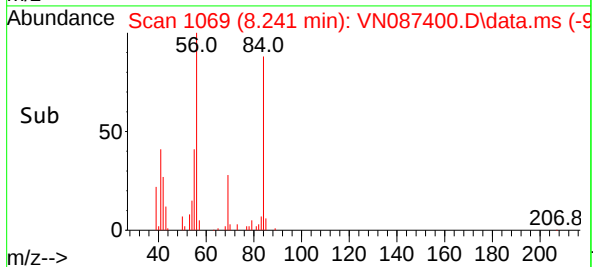
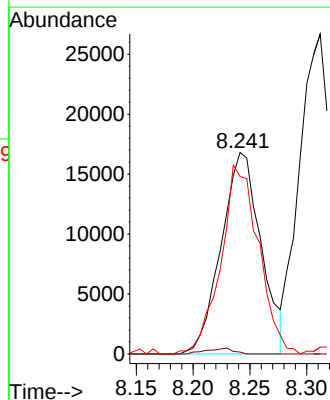
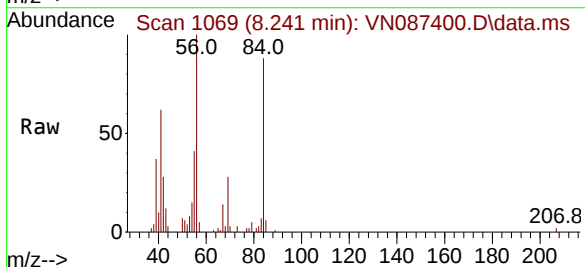
Tgt Ion: 56 Resp: 40984

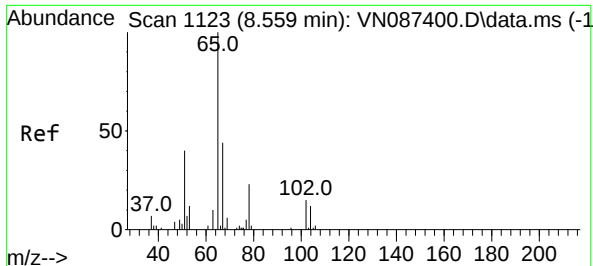
Ion Ratio Lower Upper

56 100

89 1.9 1.5 2.3

84 89.0 71.2 106.8

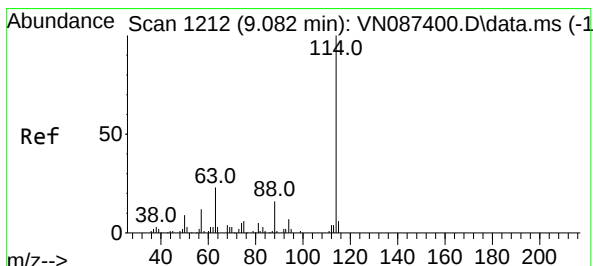
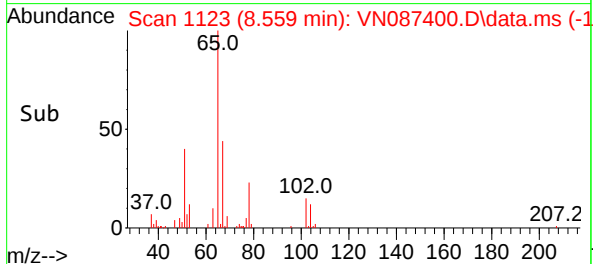
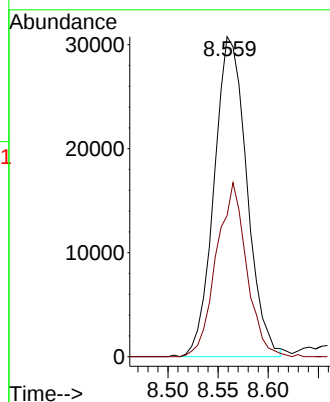
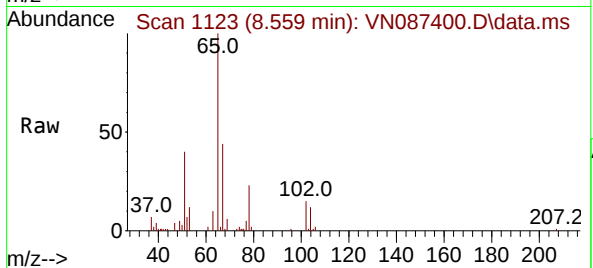




#27
1,2-Dichloroethane-d4
Concen: 30.336 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

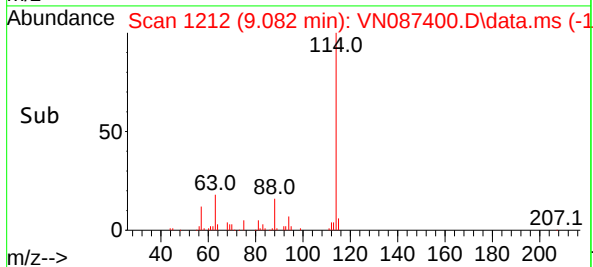
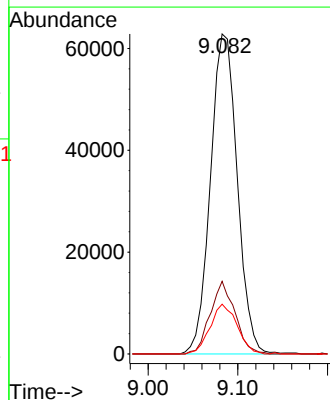
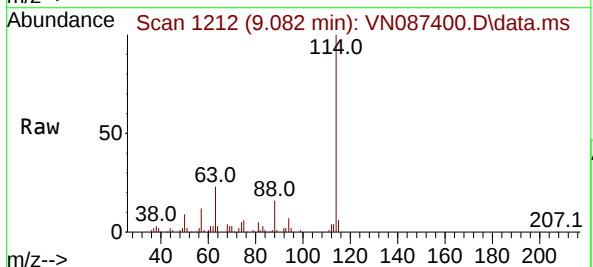
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

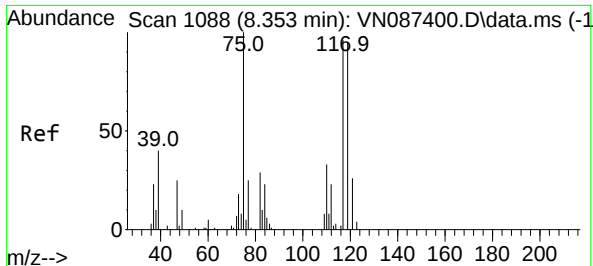
Tgt Ion: 65 Resp: 69707
Ion Ratio Lower Upper
65 100
67 50.3 40.2 60.4



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 114 Resp: 130417
Ion Ratio Lower Upper
114 100
63 21.0 16.8 25.2
88 15.6 12.5 18.7





#29

1,1-Dichloropropene

Concen: 18.360 ug/l

RT: 8.353 min Scan# 1088

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

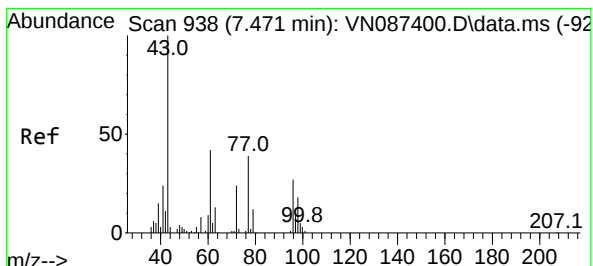
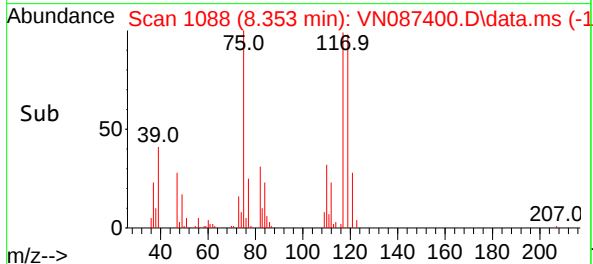
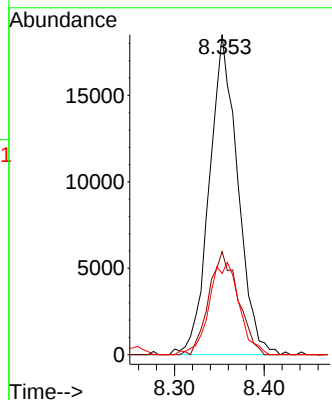
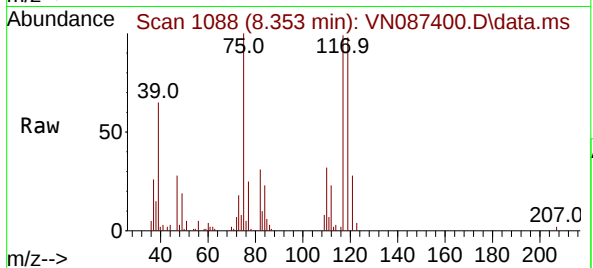
Tgt Ion: 75 Resp: 40484

Ion Ratio Lower Upper

75 100

110 33.2 0.0 66.4

77 30.8 0.0 61.6



#30

2-Butanone

Concen: 89.708 ug/l

RT: 7.471 min Scan# 938

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

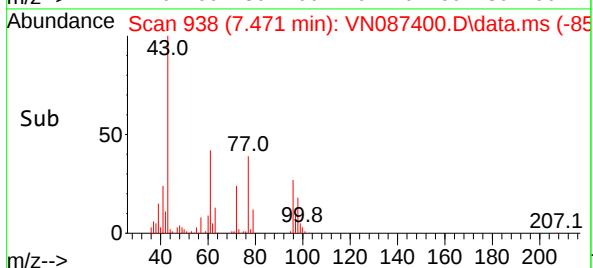
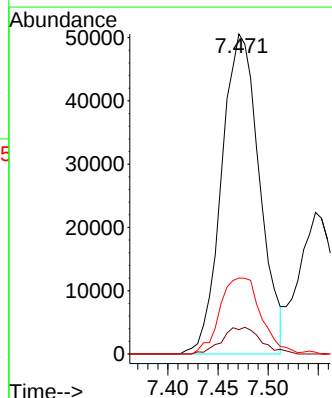
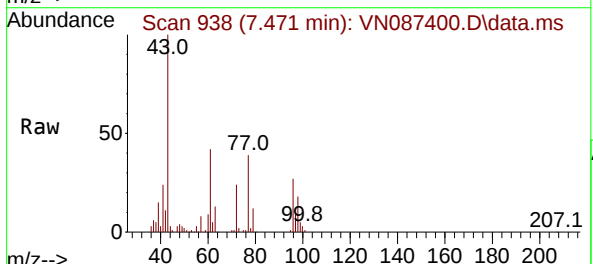
Tgt Ion: 43 Resp: 133079

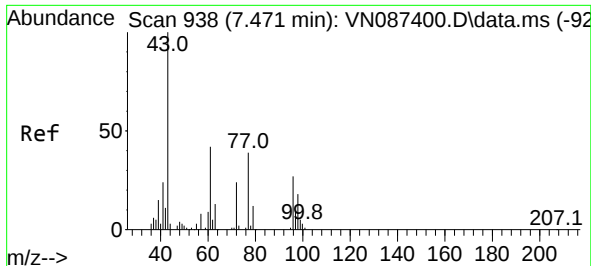
Ion Ratio Lower Upper

43 100

57 8.2 6.6 9.8

72 25.7 20.6 30.8





#31

2,2-Dichloropropane

Concen: 19.061 ug/l

RT: 7.471 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

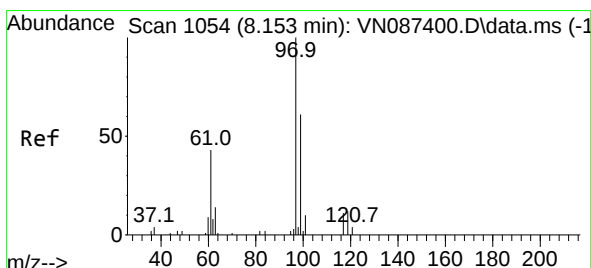
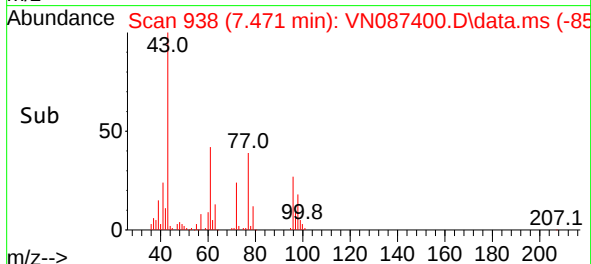
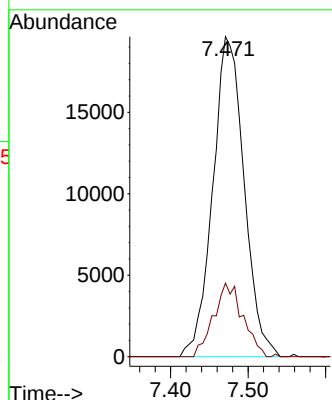
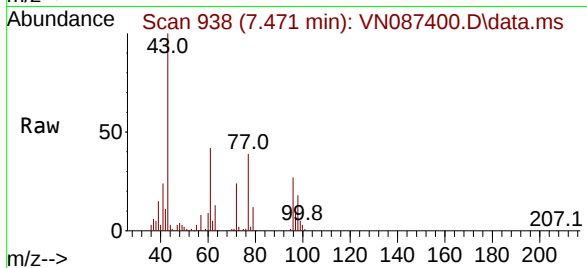
VSTDICCC020

Tgt Ion: 77 Resp: 55199

Ion Ratio Lower Upper

77 100

97 21.4 17.1 25.7



#32

1,1,1-Trichloroethane

Concen: 19.562 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

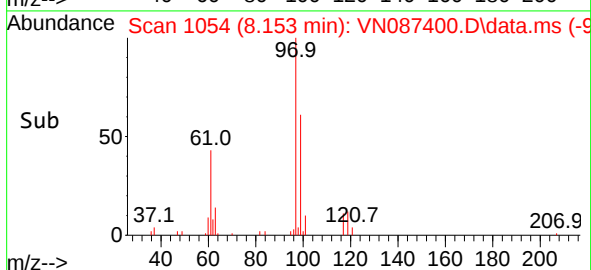
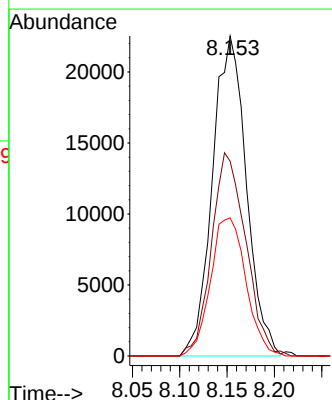
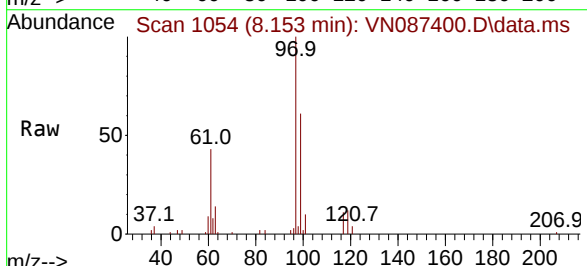
Tgt Ion: 97 Resp: 56056

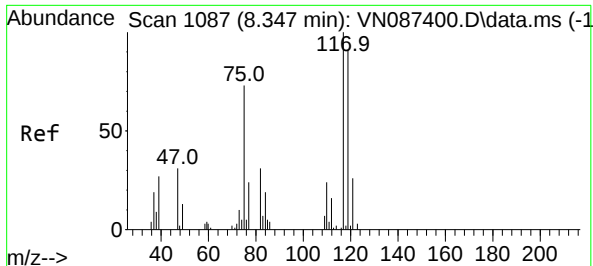
Ion Ratio Lower Upper

97 100

99 63.8 51.0 76.6

61 45.1 36.1 54.1

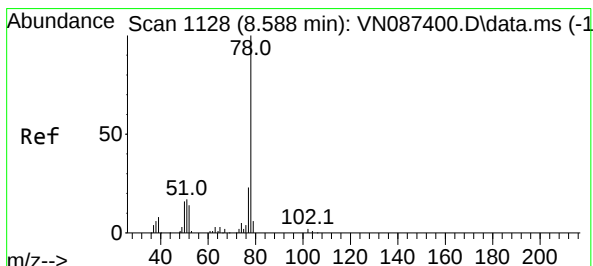
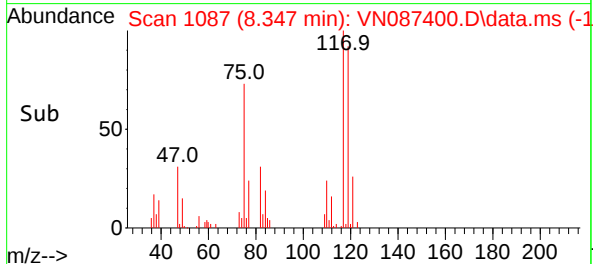
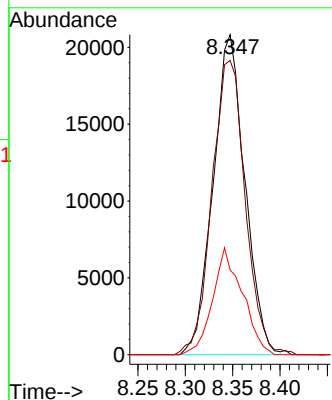
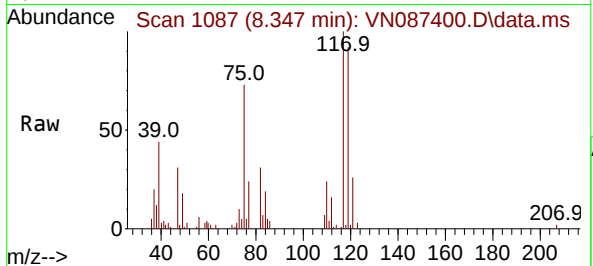




#33
Carbon Tetrachloride
Concen: 19.291 ug/l
RT: 8.347 min Scan# 1087
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

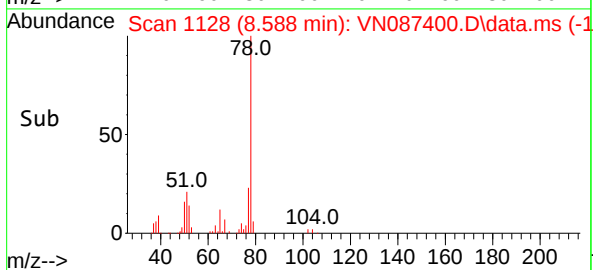
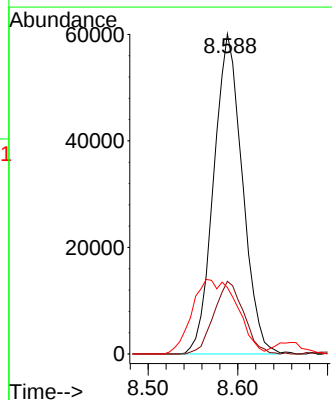
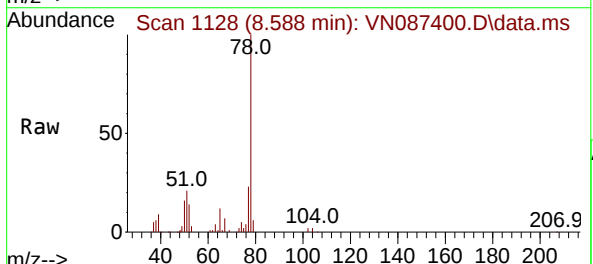
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

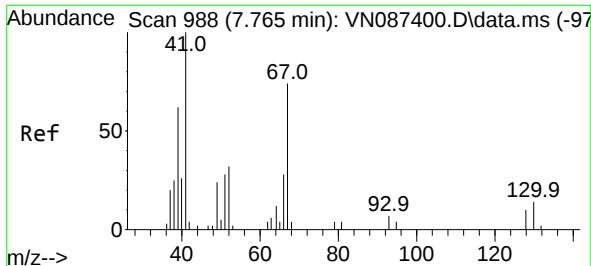
Tgt Ion:117 Resp: 48546
Ion Ratio Lower Upper
117 100
119 90.9 72.7 109.1
121 26.4 21.1 31.7



#34
Benzene
Concen: 18.952 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 78 Resp: 133184
Ion Ratio Lower Upper
78 100
77 22.7 18.2 27.2
51 17.3 13.8 20.8

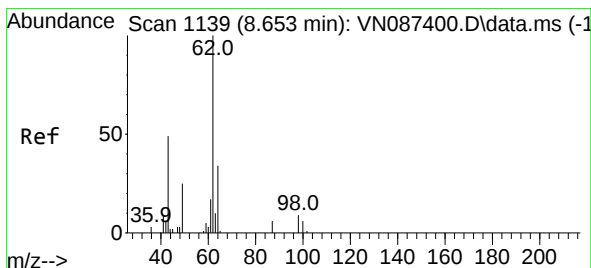
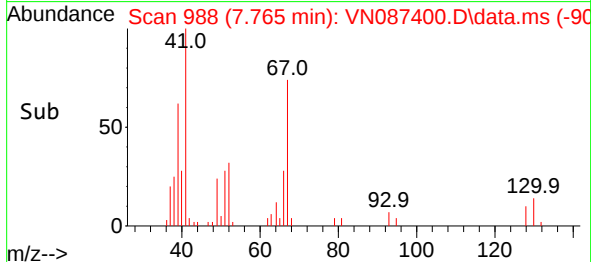
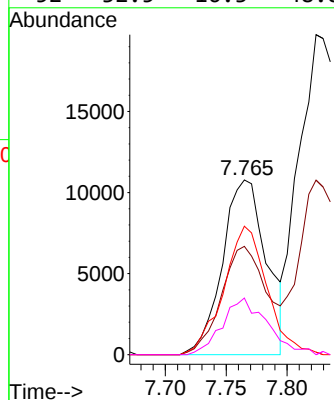
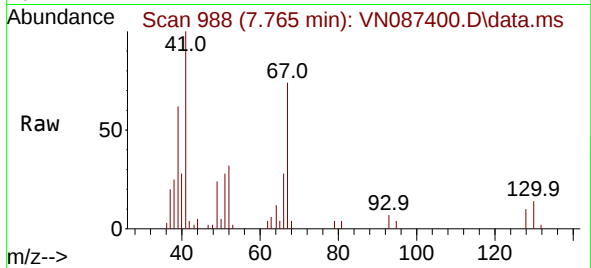




#35
Methacrylonitrile
Concen: 17.703 ug/l
RT: 7.765 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

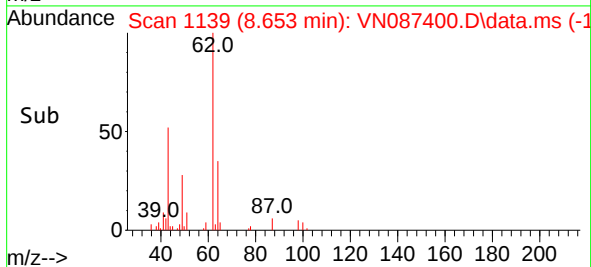
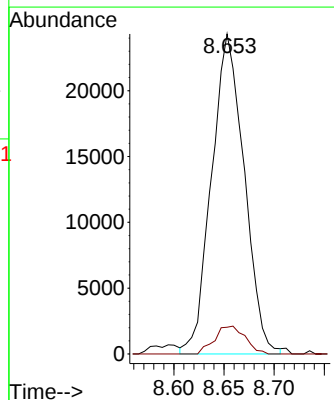
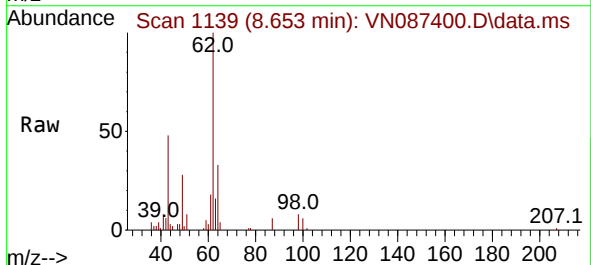
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

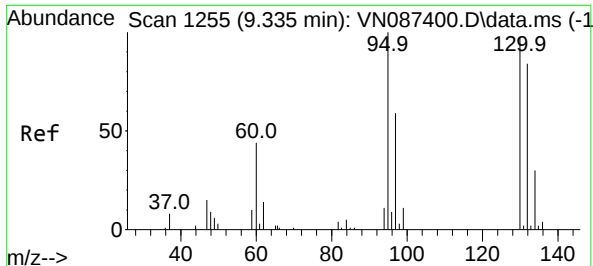
Tgt Ion: 41	Resp: 27134
Ion Ratio	Lower Upper
41 100	
39 62.0	31.0 93.0
67 73.5	36.8 110.3
52 32.5	16.3 48.8



#36
1,2-Dichloroethane
Concen: 19.602 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 62	Resp: 55064
Ion Ratio	Lower Upper
62 100	
98 8.2	6.6 9.8





#37

Trichloroethene

Concen: 18.714 ug/l

RT: 9.335 min Scan# 1255

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

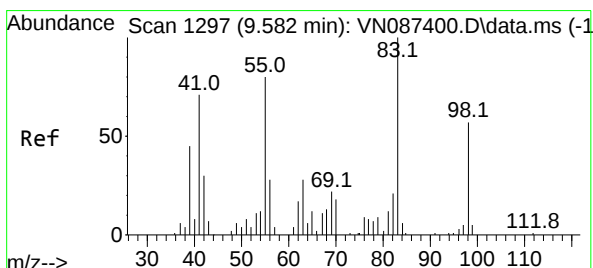
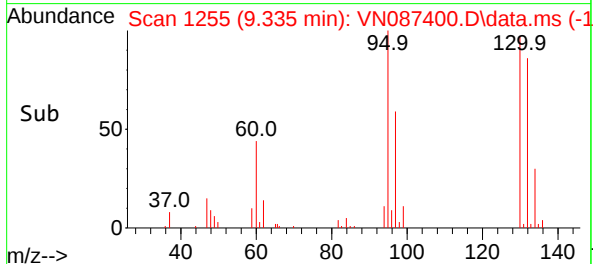
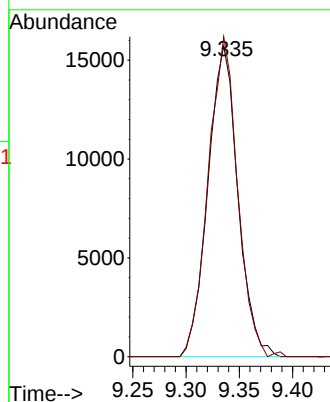
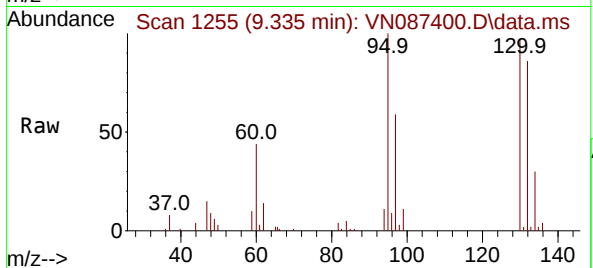
VSTDICCC020

Tgt Ion:130 Resp: 30768

Ion Ratio Lower Upper

130 100

95 103.0 82.4 123.6



#38

Methylcyclohexane

Concen: 17.489 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

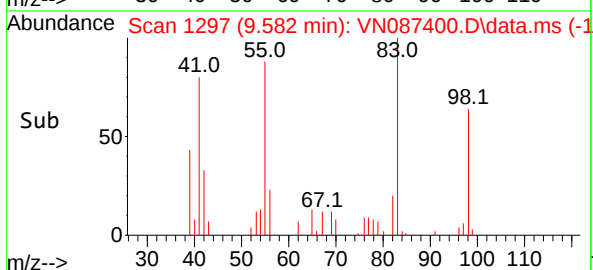
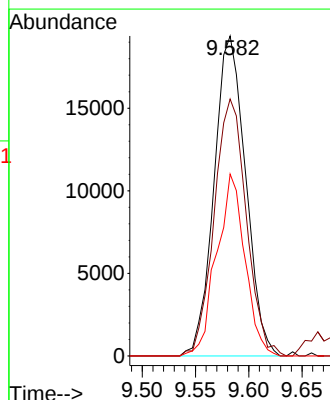
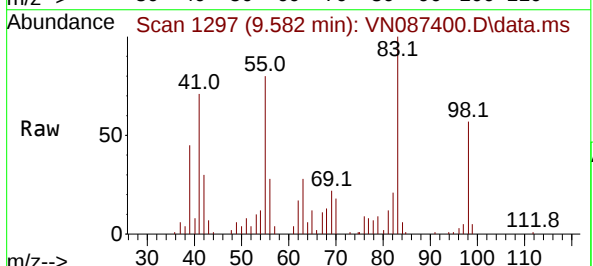
Tgt Ion: 83 Resp: 39897

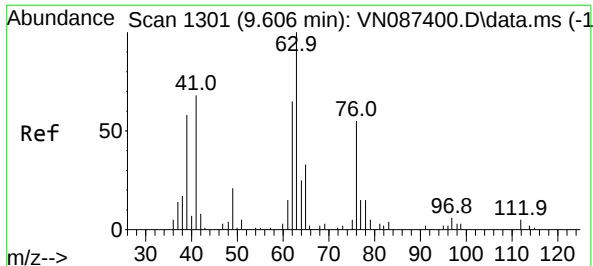
Ion Ratio Lower Upper

83 100

55 81.9 40.9 122.8

98 51.1 25.6 76.6





#39

1,2-Dichloropropane

Concen: 19.172 ug/l

RT: 9.606 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

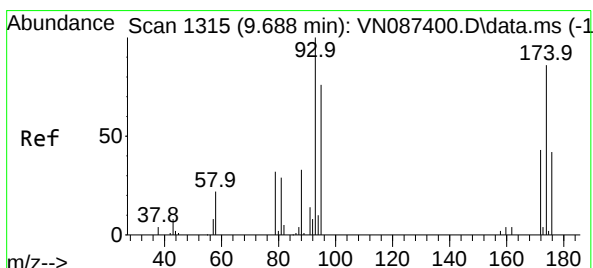
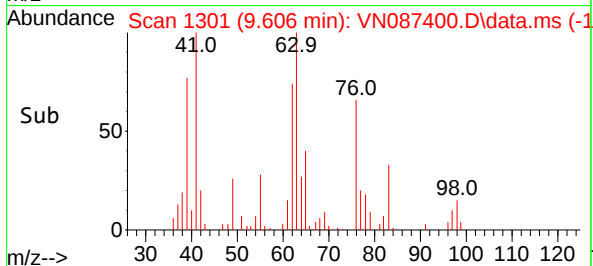
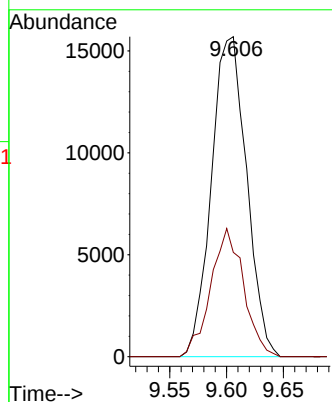
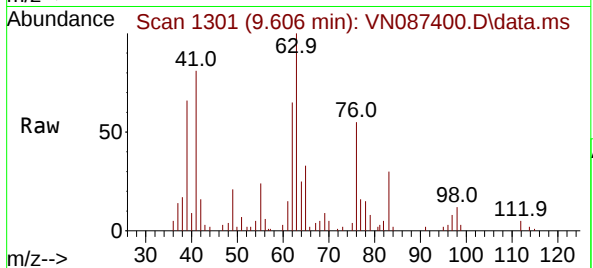
VSTDICCC020

Tgt Ion: 63 Resp: 33853

Ion Ratio Lower Upper

63 100

65 32.6 26.1 39.1



#40

Dibromomethane

Concen: 19.767 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

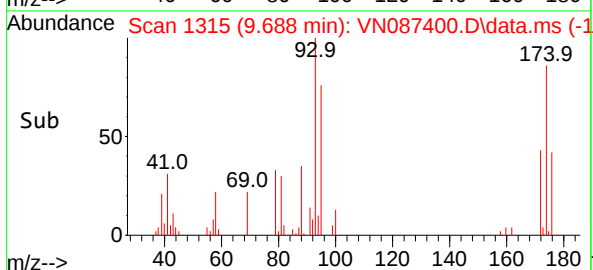
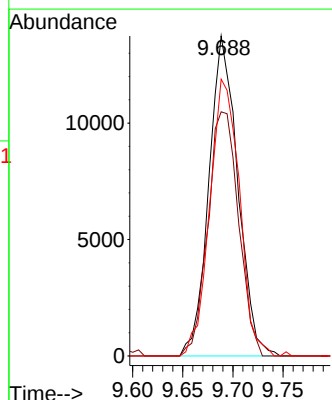
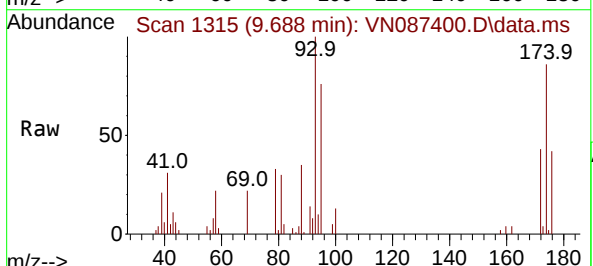
Tgt Ion: 93 Resp: 27550

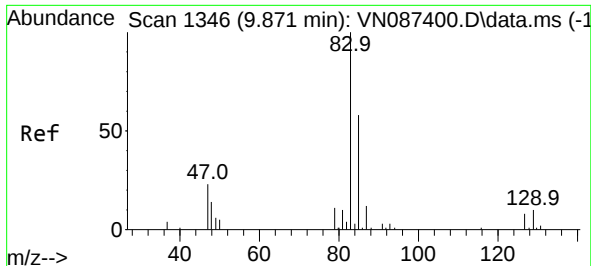
Ion Ratio Lower Upper

93 100

95 80.9 0.0 161.8

174 88.8 0.0 177.6

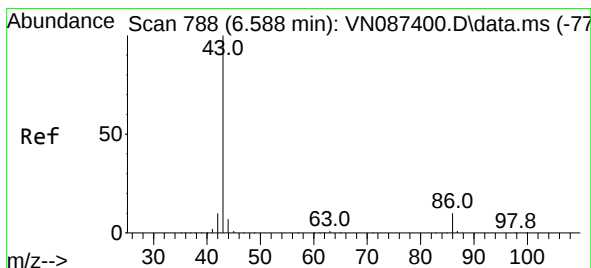
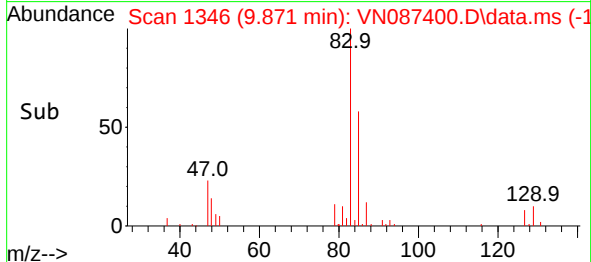
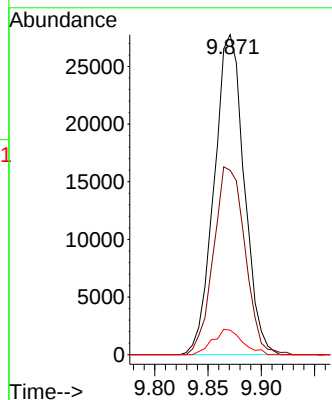
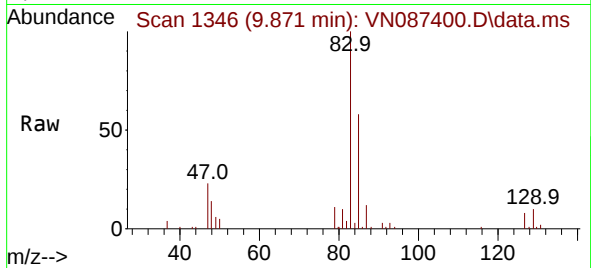




#41
Bromodichloromethane
Concen: 19.684 ug/l
RT: 9.871 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

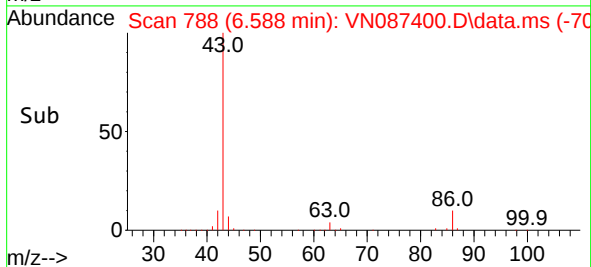
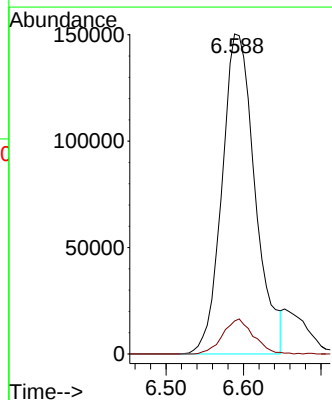
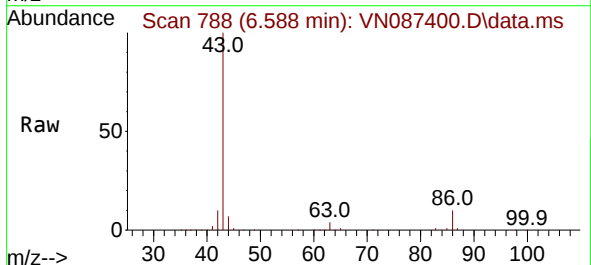
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

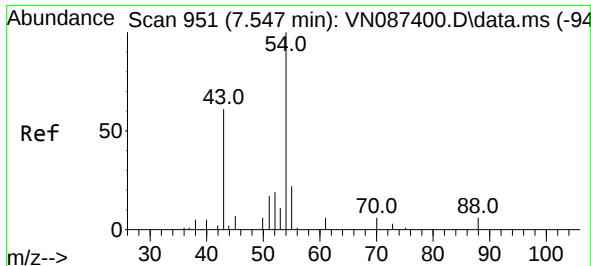
Tgt Ion: 83 Resp: 54322
Ion Ratio Lower Upper
83 100
85 57.7 46.2 69.2
127 7.6 6.1 9.1



#42
Vinyl Acetate
Concen: 87.987 ug/l
RT: 6.588 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 43 Resp: 446972
Ion Ratio Lower Upper
43 100
86 10.1 8.1 12.1

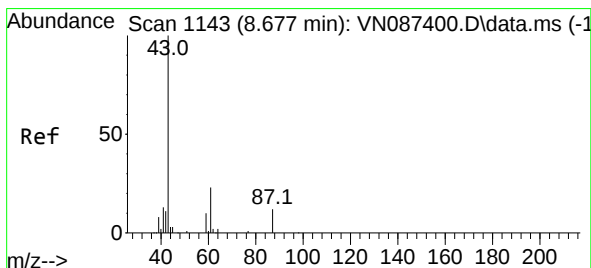
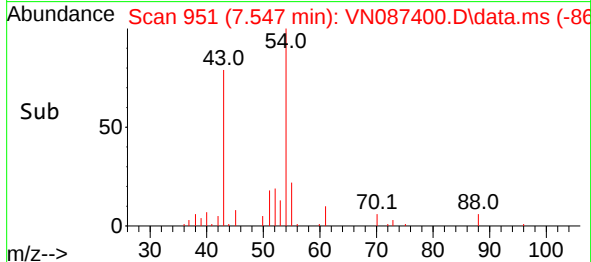
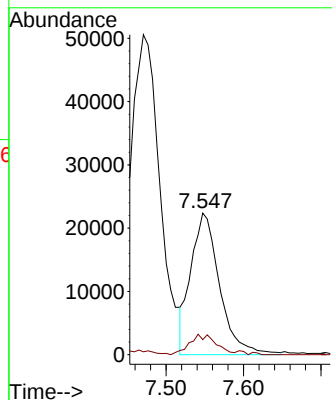
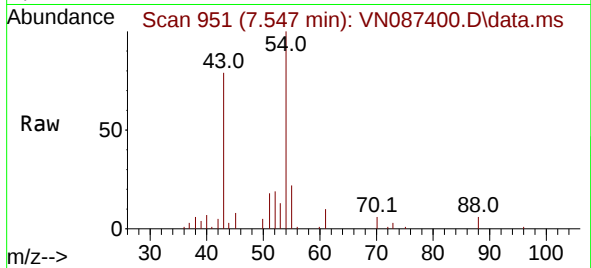




#43
Ethyl Acetate
Concen: 18.630 ug/l
RT: 7.547 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

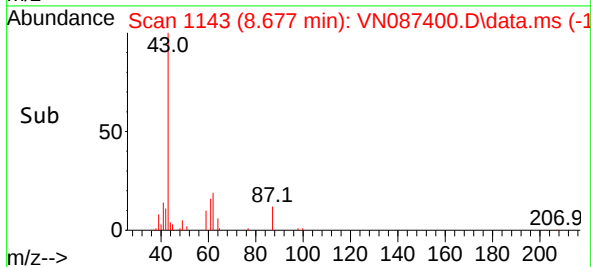
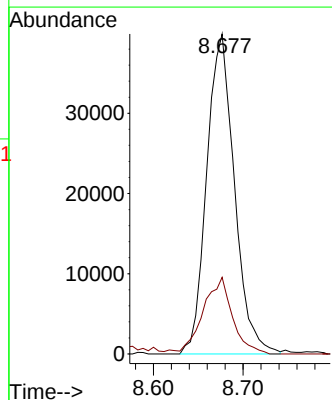
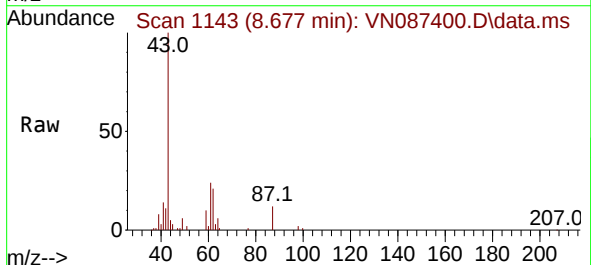
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

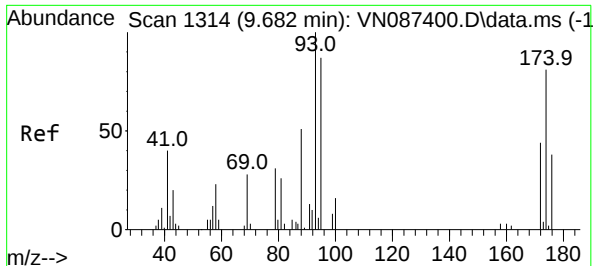
Tgt Ion: 43 Resp: 57748
Ion Ratio Lower Upper
43 100
45 7.0 5.6 8.4



#44
Isopropyl Acetate
Concen: 18.168 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 43 Resp: 85629
Ion Ratio Lower Upper
43 100
61 25.1 20.1 30.1

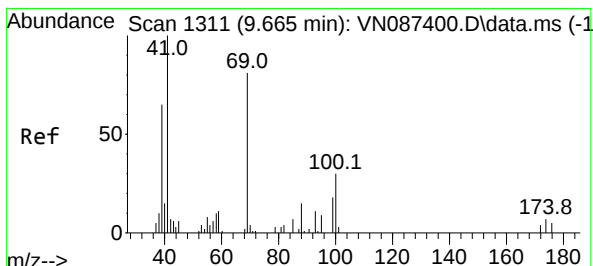
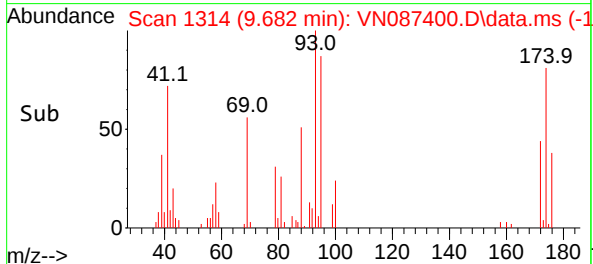
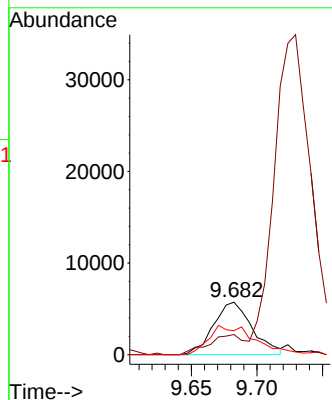
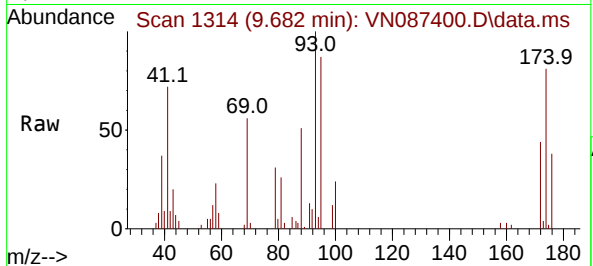




#45
1,4-Dioxane
Concen: 408.264 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

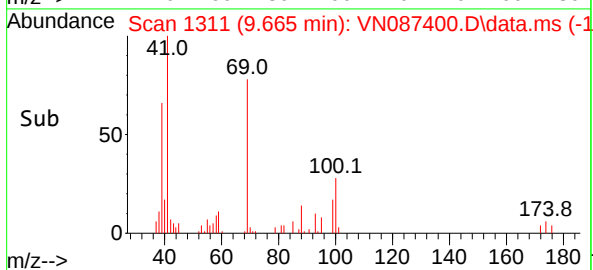
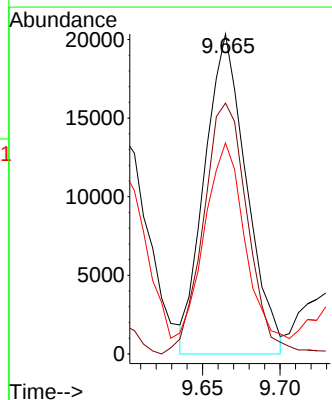
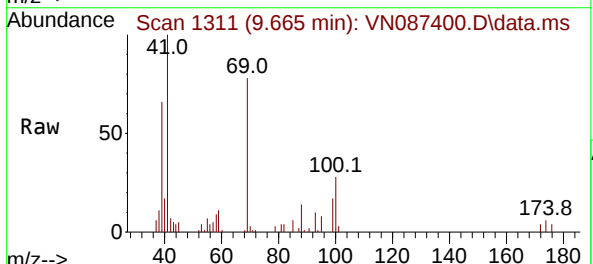
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

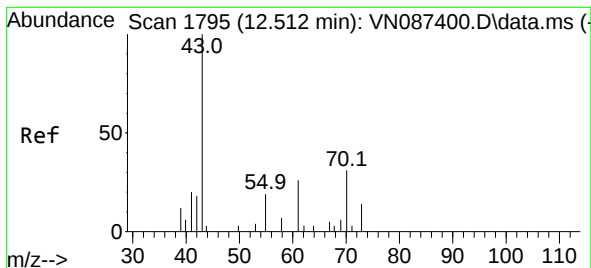
Tgt Ion: 88 Resp: 11772
Ion Ratio Lower Upper
88 100
43 37.0 29.6 44.4
58 29.4 23.5 35.3



#46
Methyl methacrylate
Concen: 17.623 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 41 Resp: 38142
Ion Ratio Lower Upper
41 100
69 79.0 39.5 118.5
39 63.1 31.6 94.7





#47

n-amyl acetate

Concen: 7.798 ug/l

RT: 12.512 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

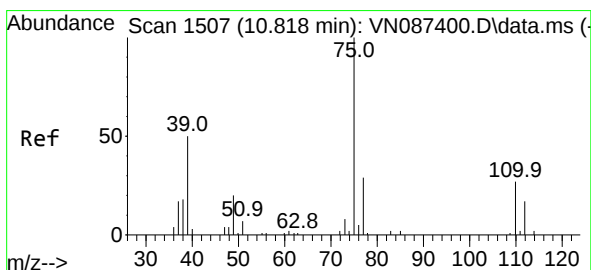
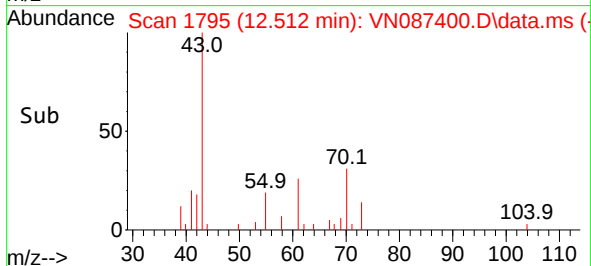
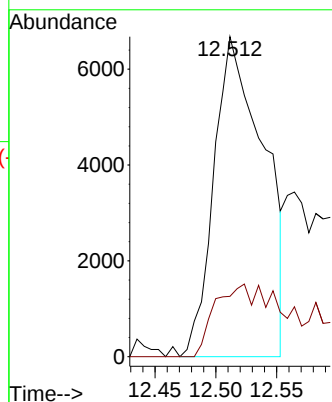
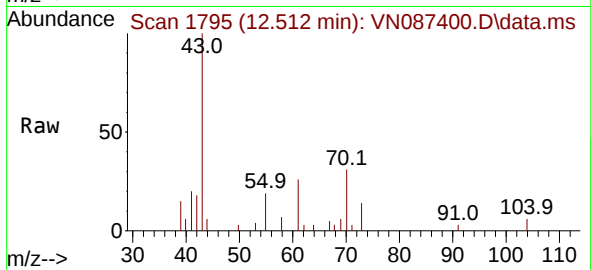
VSTDICCC020

Tgt Ion: 43 Resp: 18973

Ion Ratio Lower Upper

43 100

55 1.5 0.6 0.8#



#48

t-1,3-Dichloropropene

Concen: 18.032 ug/l

RT: 10.818 min Scan# 1507

Delta R.T. 0.000 min

Lab File: VN087400.D

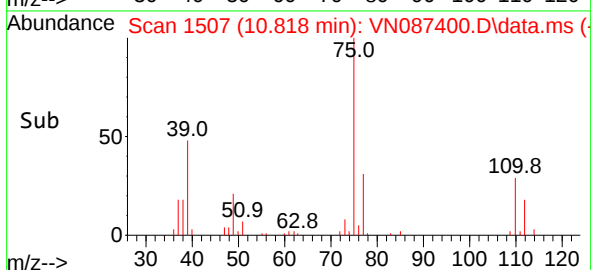
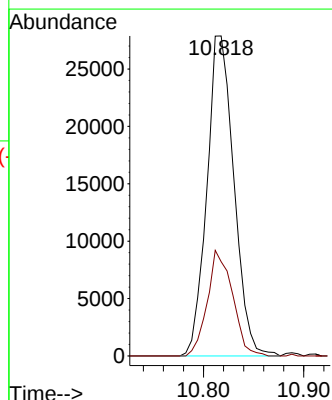
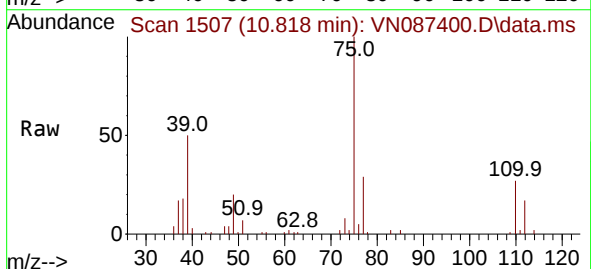
Acq: 23 Jul 2025 10:29

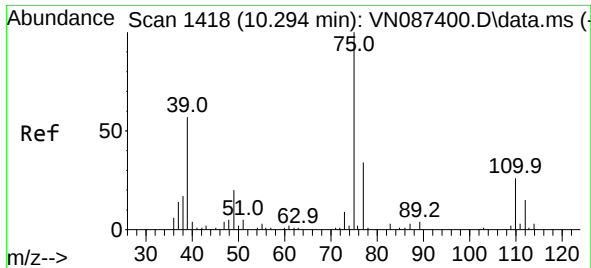
Tgt Ion: 75 Resp: 52391

Ion Ratio Lower Upper

75 100

77 29.5 23.6 35.4

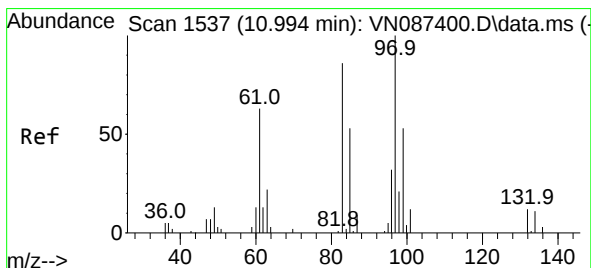
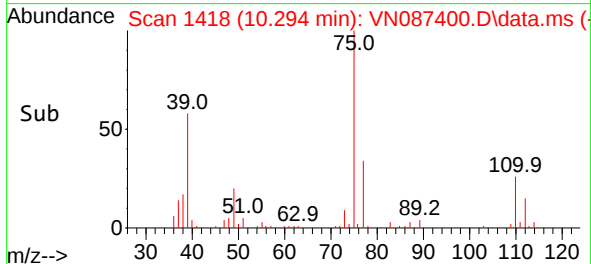
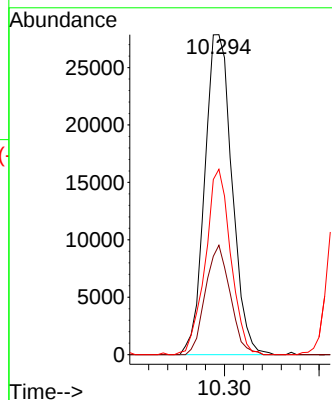
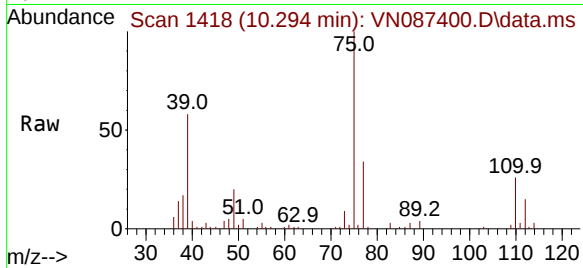




#49
 cis-1,3-Dichloropropene
 Concen: 18.950 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

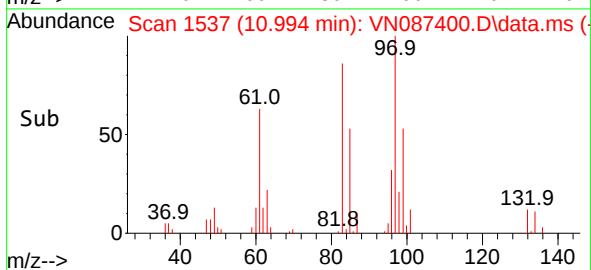
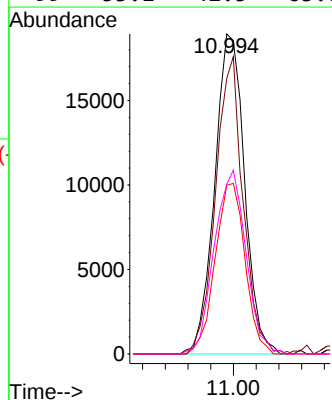
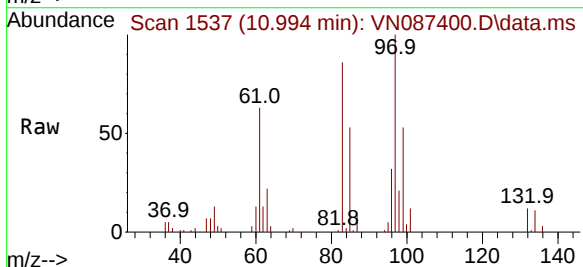
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

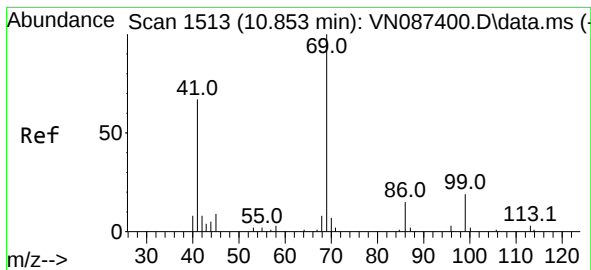
Tgt Ion:	75	Resp:	55661
Ion Ratio	Lower	Upper	
75	100		
77	34.2	27.4	41.0
39	57.9	46.3	69.5



#50
 1,1,2-Trichloroethane
 Concen: 19.337 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

Tgt Ion:	97	Resp:	34548
Ion Ratio	Lower	Upper	
97	100		
83	86.1	68.9	103.3
85	52.7	42.2	63.2
99	53.1	42.5	63.7

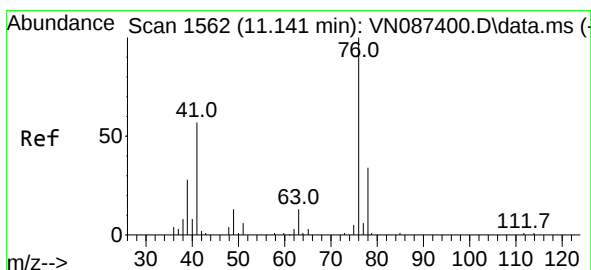
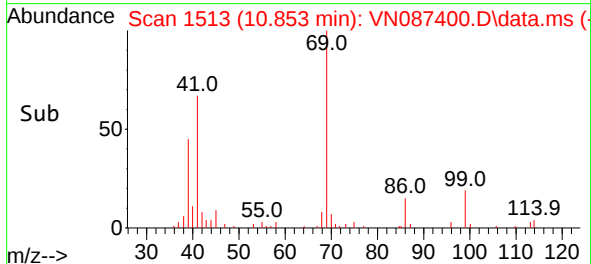
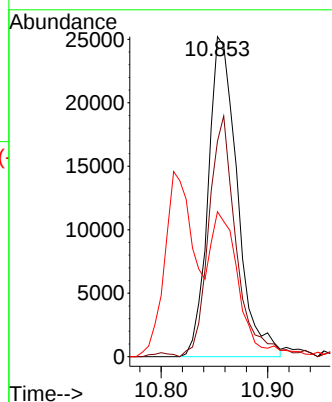
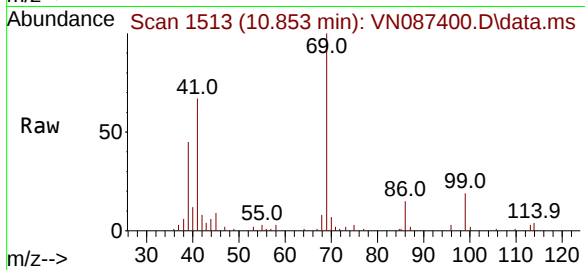




#51
Ethyl methacrylate
Concen: 17.749 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

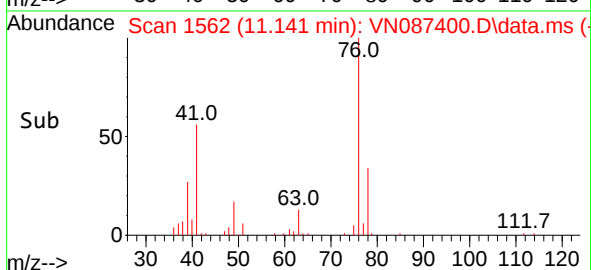
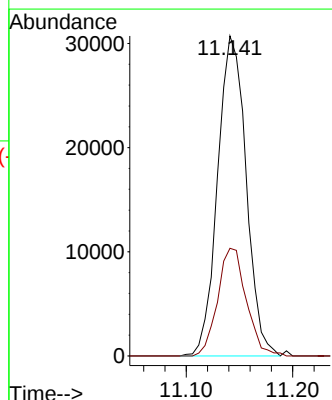
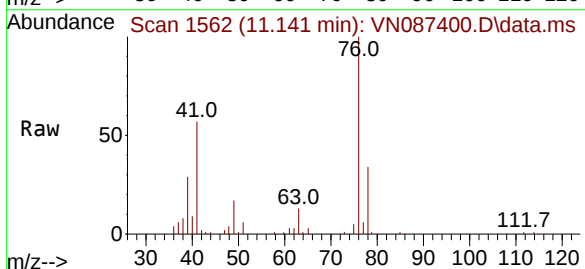
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

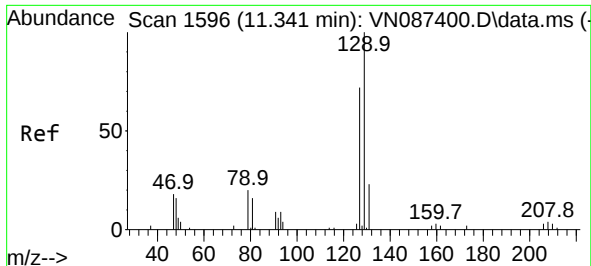
Tgt Ion: 69 Resp: 47990
Ion Ratio Lower Upper
69 100
41 67.4 33.7 101.1
39 43.3 21.6 65.0



#52
1,3-Dichloropropane
Concen: 18.867 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 76 Resp: 57161
Ion Ratio Lower Upper
76 100
78 33.7 0.0 67.4

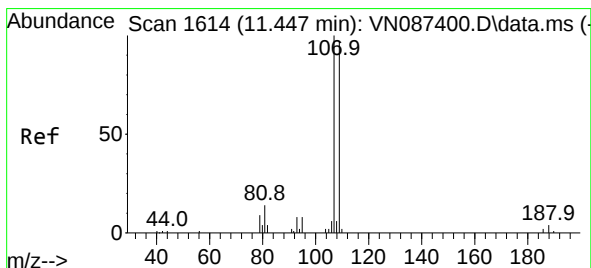
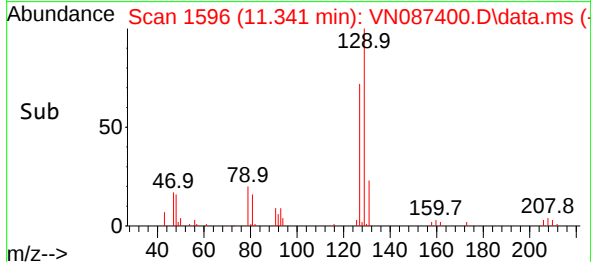
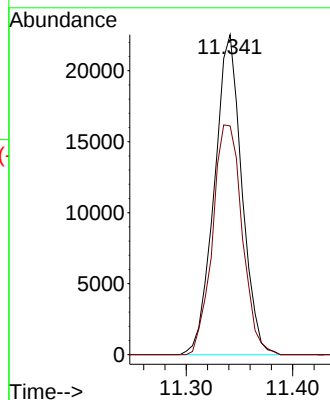
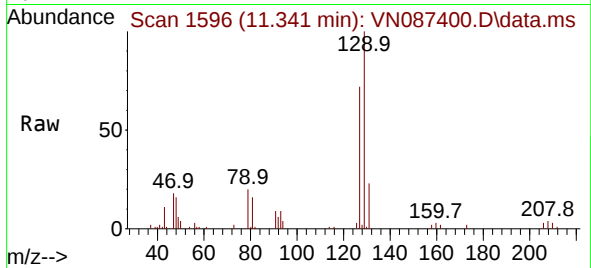




#53
Dibromochloromethane
Concen: 19.214 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

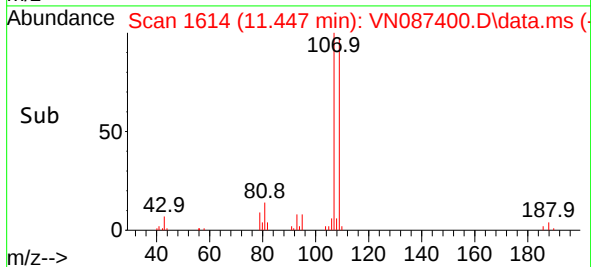
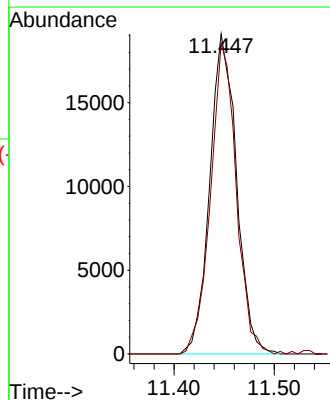
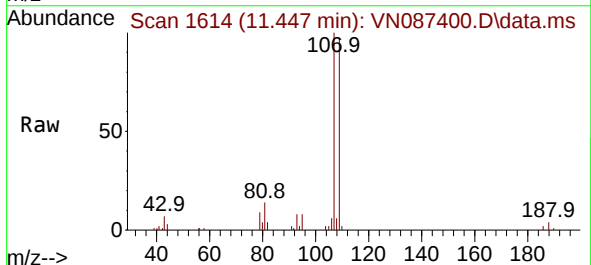
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

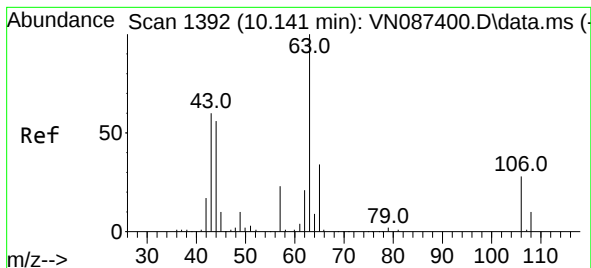
Tgt Ion:129 Resp: 40328
Ion Ratio Lower Upper
129 100
127 77.4 38.7 116.1



#54
1,2-Dibromoethane
Concen: 18.935 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion:107 Resp: 35413
Ion Ratio Lower Upper
107 100
109 93.3 74.6 112.0



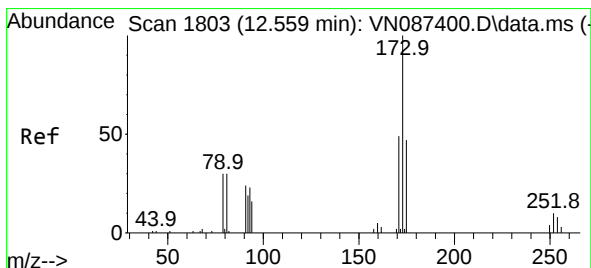
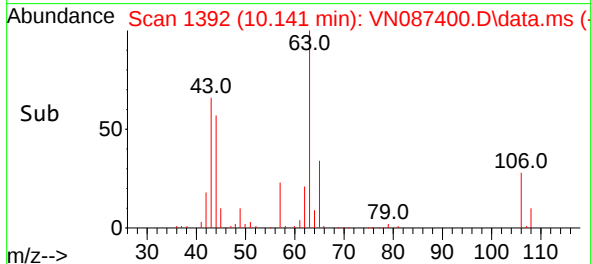
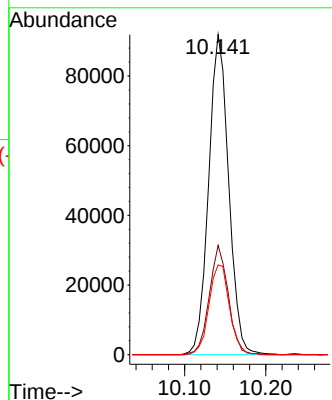
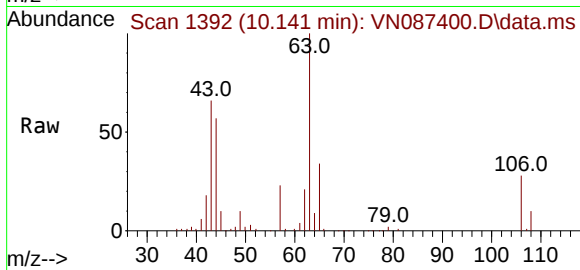


#55
 2-Chloroethyl vinyl ether
 Concen: 108.687 ug/l
 RT: 10.141 min Scan# 1392
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 63 Resp: 157485

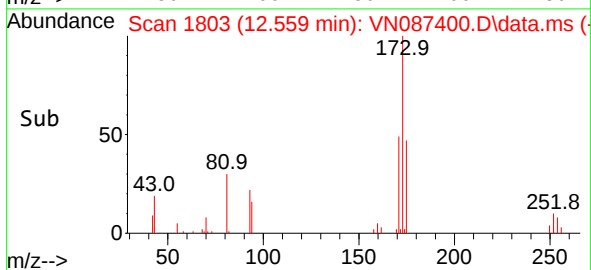
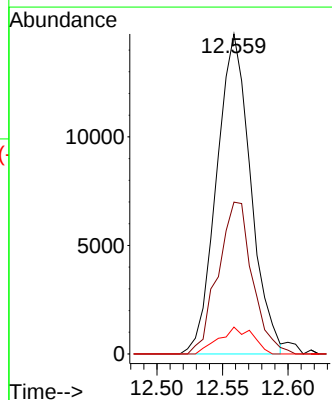
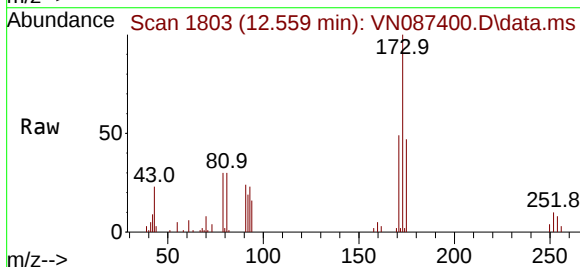
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.8	38.8
106	28.7	23.0	34.4

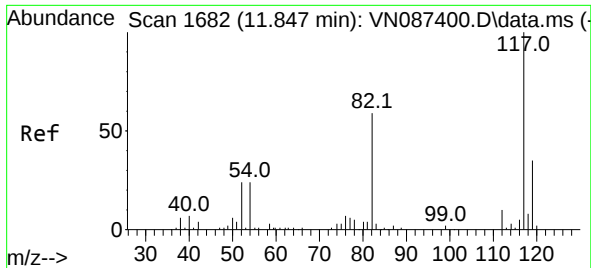


#56
 Bromoform
 Concen: 17.949 ug/l
 RT: 12.559 min Scan# 1803
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

Tgt Ion: 173 Resp: 26600

Ion	Ratio	Lower	Upper
173	100		
175	48.0	38.4	57.6
254	8.4	6.7	10.1

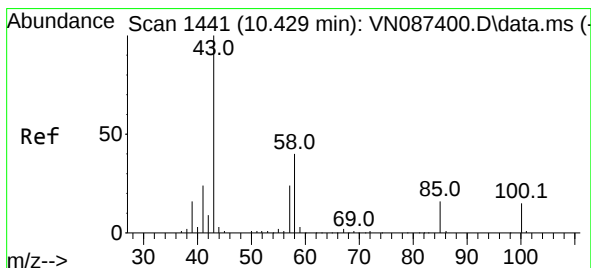
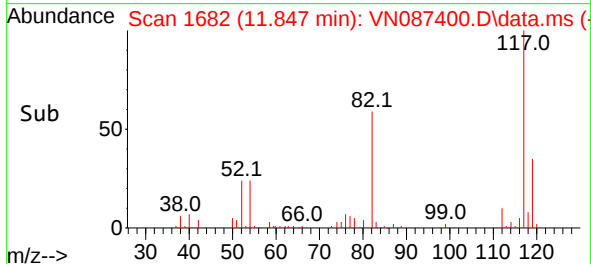
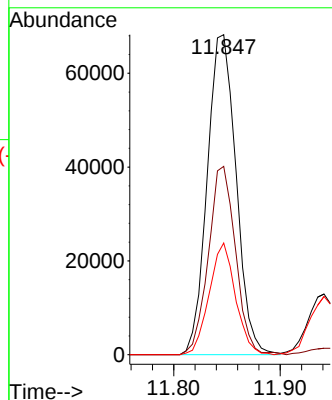
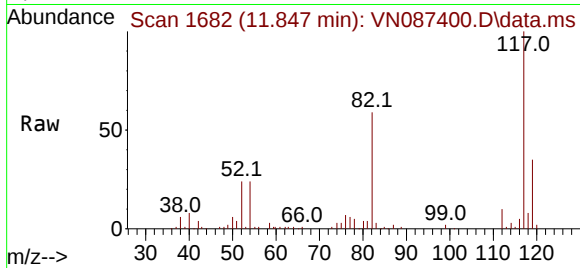




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

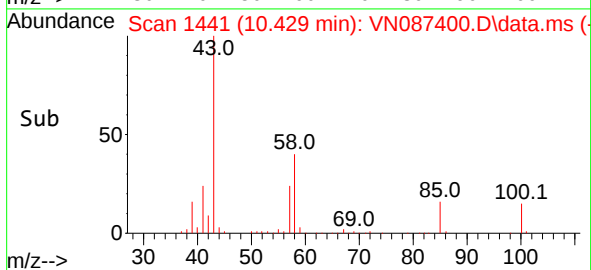
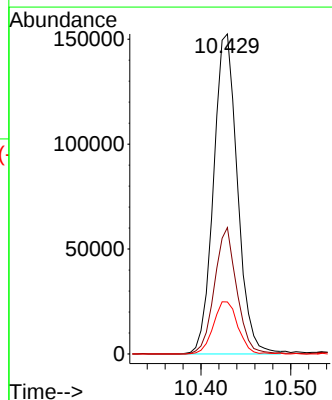
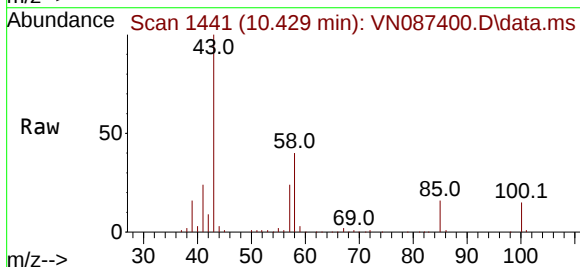
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

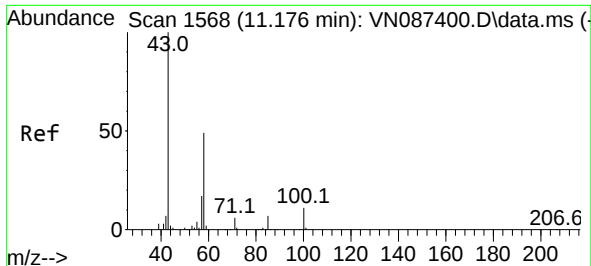
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.1	44.1	66.1
119	31.8	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 91.785 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.5	44.3
85	16.6	13.3	19.9

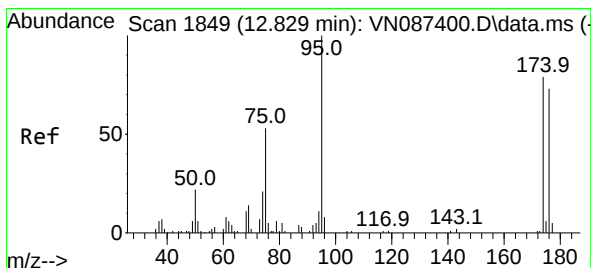
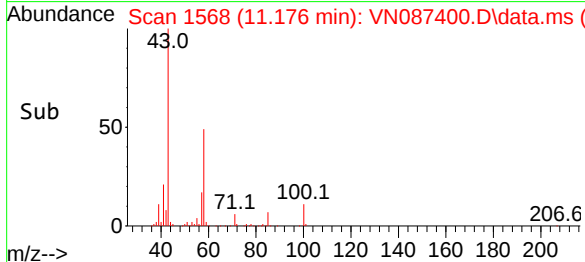
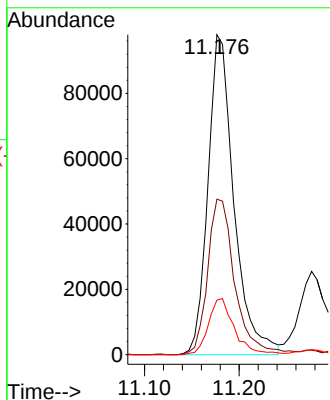
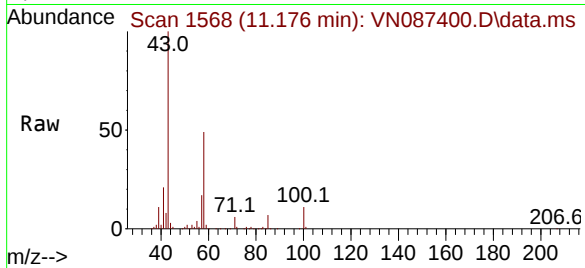




#59
2-Hexanone
Concen: 89.134 ug/l
RT: 11.176 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

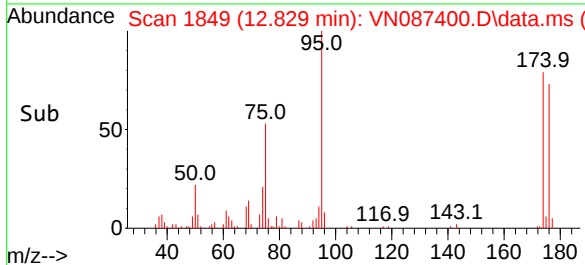
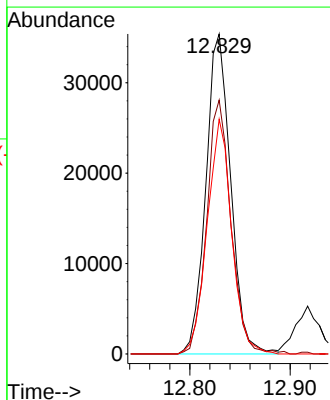
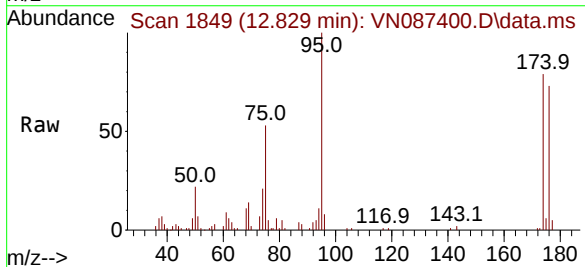
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

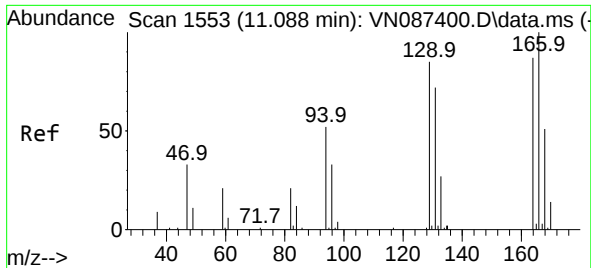
Tgt Ion: 43 Resp: 186567
Ion Ratio Lower Upper
43 100
58 50.6 40.5 60.7
57 17.5 14.0 21.0



#60
4-Bromofluorobenzene
Concen: 28.477 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 95 Resp: 60978
Ion Ratio Lower Upper
95 100
174 77.6 62.1 93.1
176 72.4 57.9 86.9

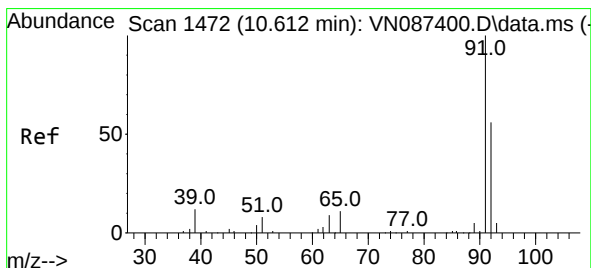
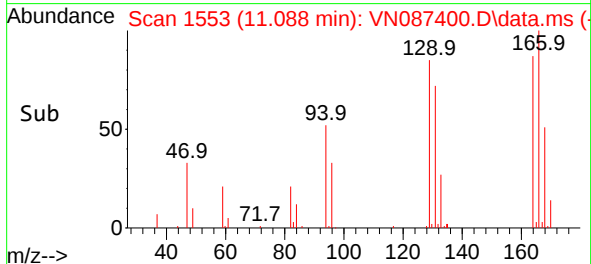
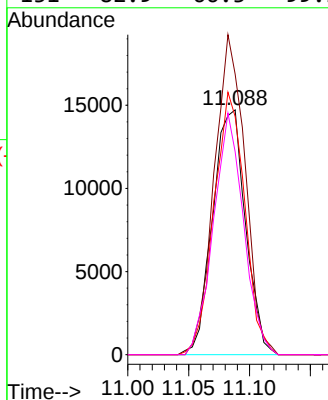
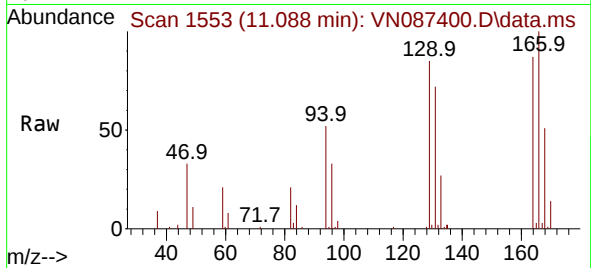




#61
Tetrachloroethene
Concen: 19.234 ug/l
RT: 11.088 min Scan# 1553
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

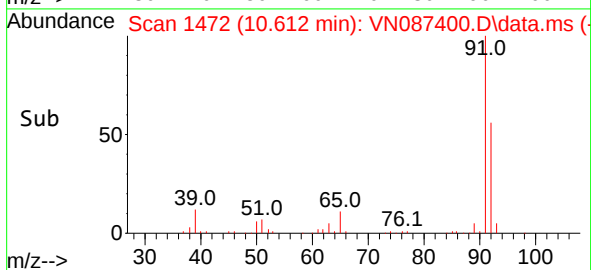
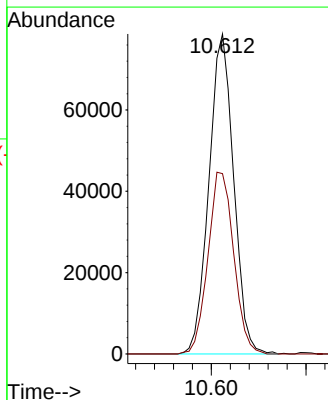
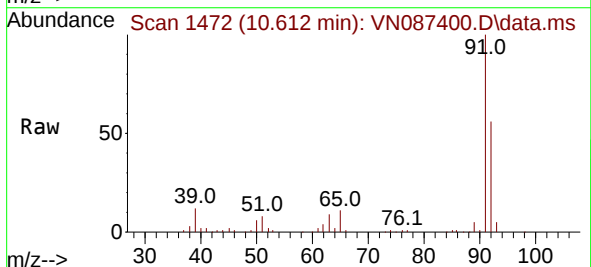
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

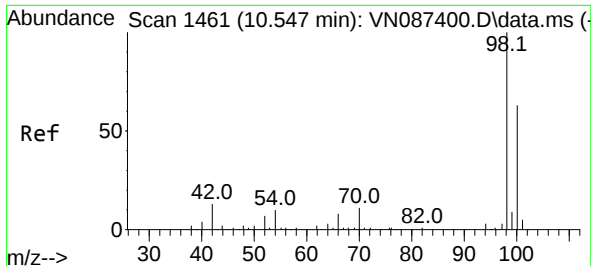
Tgt	Ion:164	Resp:	27708
Ion	Ratio	Lower	Upper
164	100		
166	114.6	91.7	137.5
129	97.2	77.8	116.6
131	82.9	66.3	99.5



#62
Toluene
Concen: 18.421 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 91	Resp: 142637
Ion Ratio	Lower Upper
91 100	
92 59.2	47.4 71.0

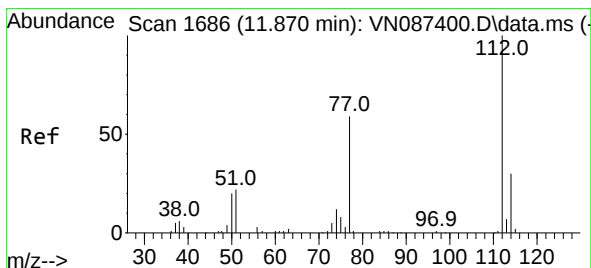
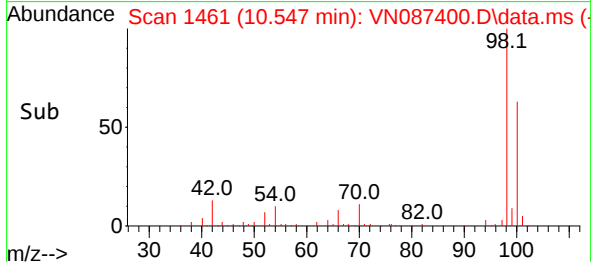
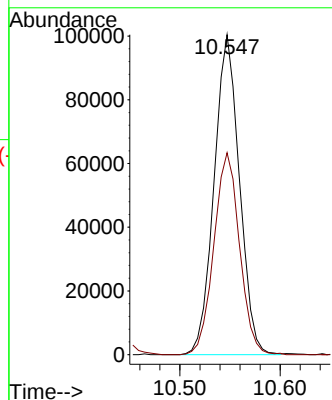
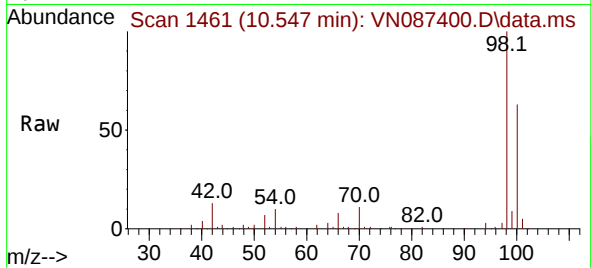




#63
Toluene-d8
Concen: 29.793 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

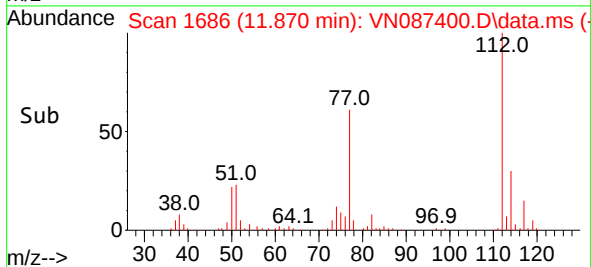
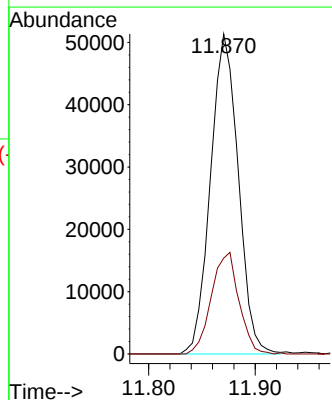
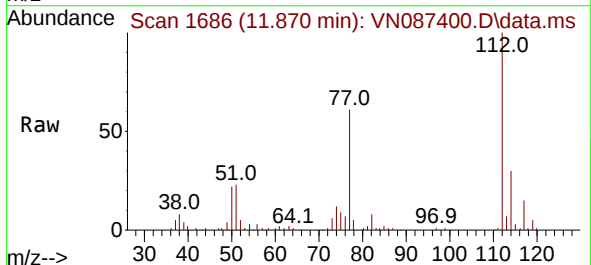
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

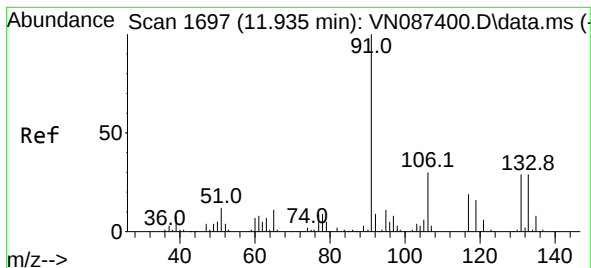
Tgt Ion: 98 Resp: 176153
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



#64
Chlorobenzene
Concen: 19.004 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 112 Resp: 93071
Ion Ratio Lower Upper
112 100
114 30.0 24.0 36.0

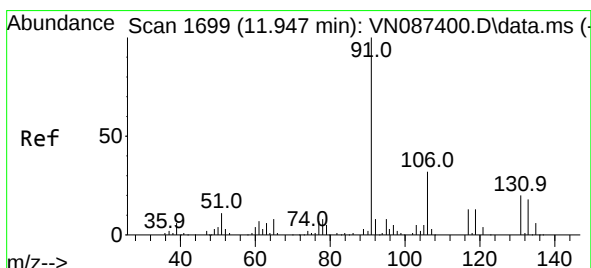
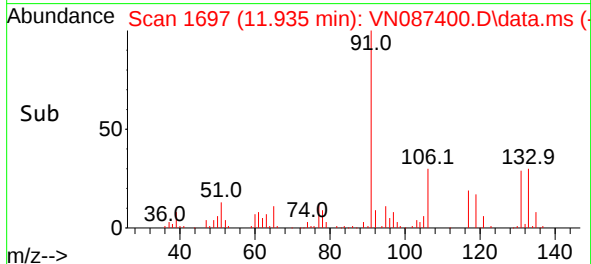
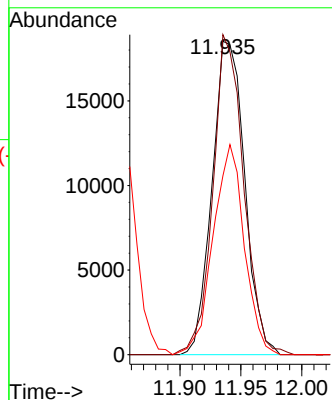
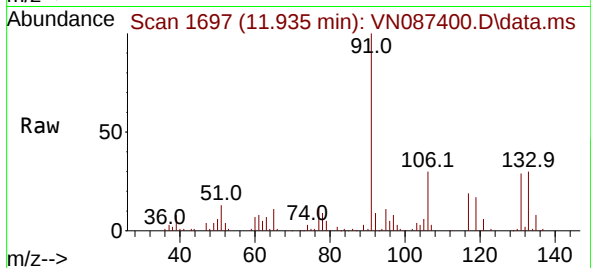




#65
1,1,1,2-Tetrachloroethane
Concen: 19.167 ug/l
RT: 11.935 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

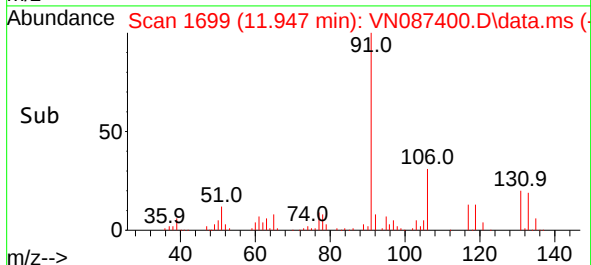
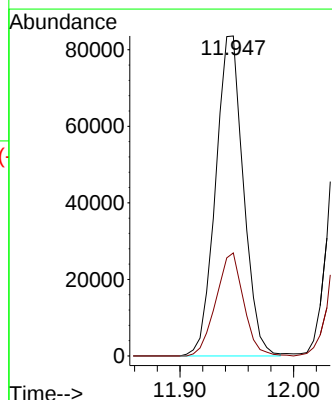
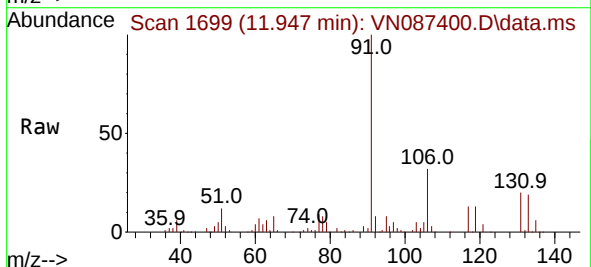
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

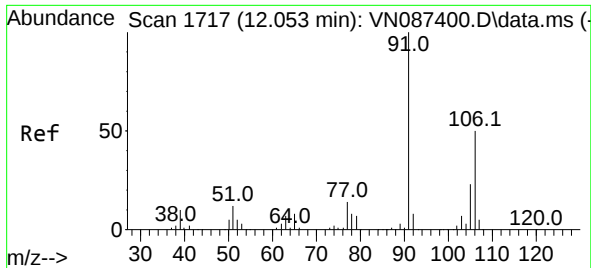
Tgt Ion:131 Resp: 34520
Ion Ratio Lower Upper
131 100
133 96.5 0.0 193.0
119 64.1 0.0 128.2



#66
Ethyl Benzene
Concen: 17.246 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 91 Resp: 142515
Ion Ratio Lower Upper
91 100
106 32.2 25.8 38.6

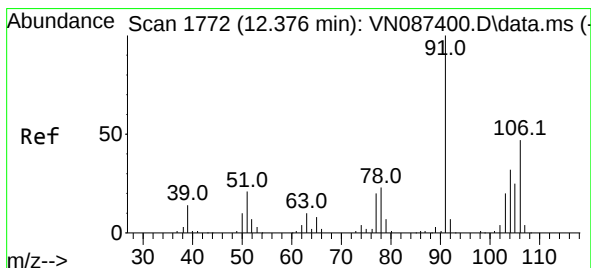
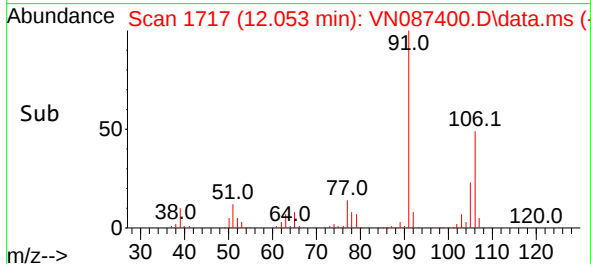
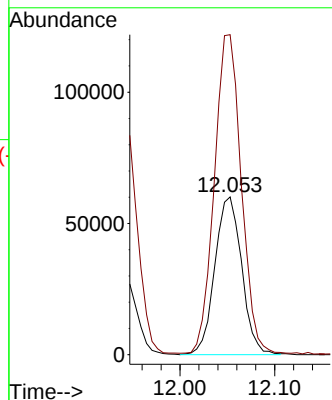
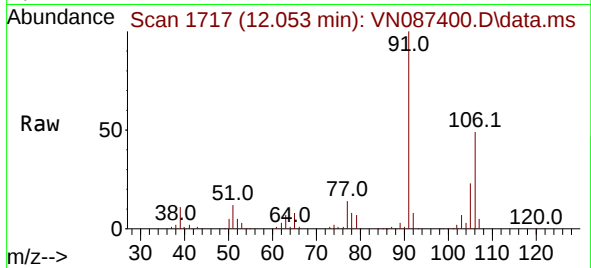




#67
m/p-Xylenes
Concen: 35.912 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

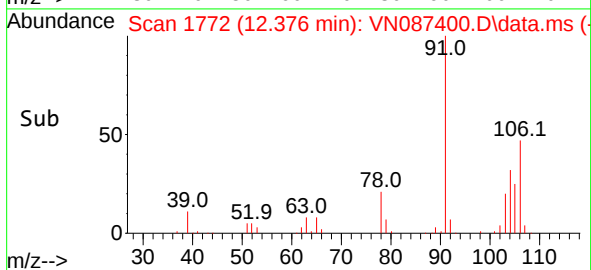
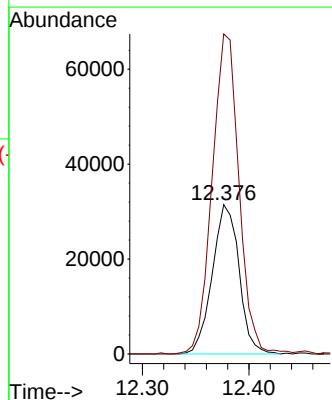
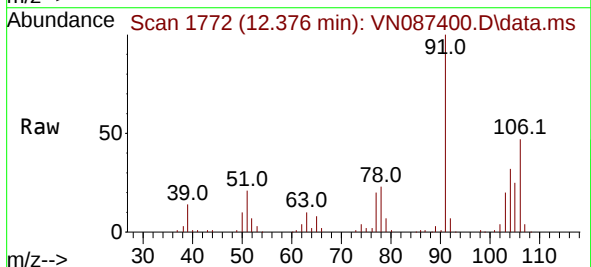
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

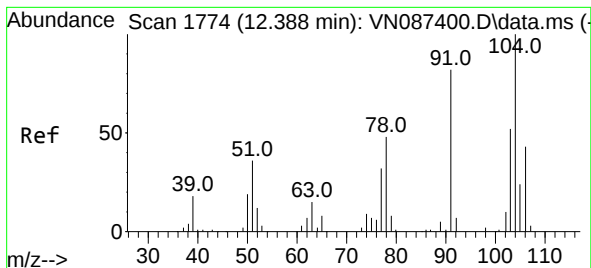
Tgt Ion:106 Resp: 118595
Ion Ratio Lower Upper
106 100
91 204.3 163.4 245.2



#68
o-Xylene
Concen: 17.727 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion:106 Resp: 54870
Ion Ratio Lower Upper
106 100
91 213.2 106.6 319.8





#69

Styrene

Concen: 17.494 ug/l

RT: 12.388 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

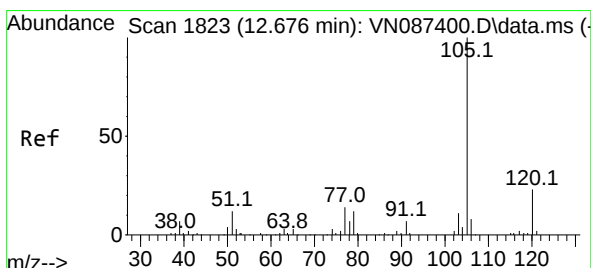
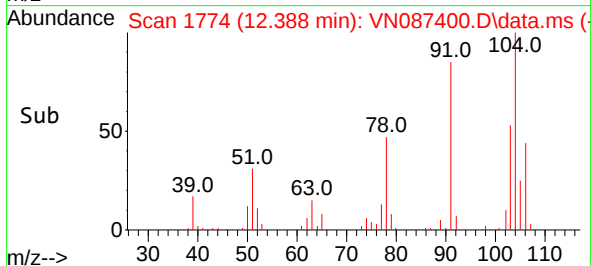
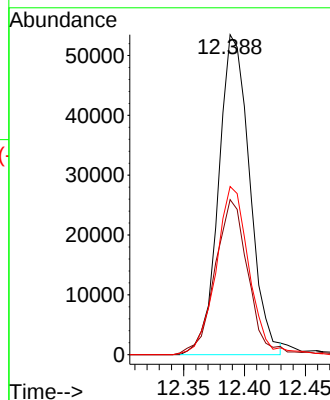
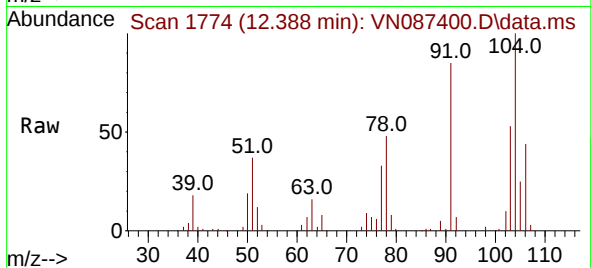
Tgt Ion:104 Resp: 95241

Ion Ratio Lower Upper

104 100

78 50.9 40.7 61.1

103 54.3 43.4 65.2



#70

Isopropylbenzene

Concen: 17.654 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.000 min

Lab File: VN087400.D

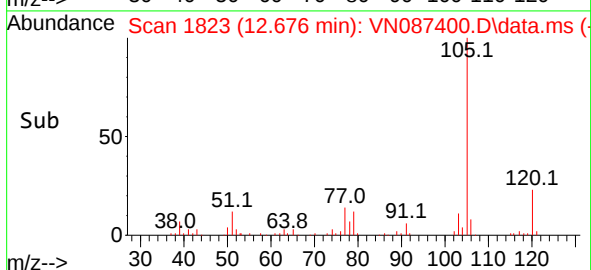
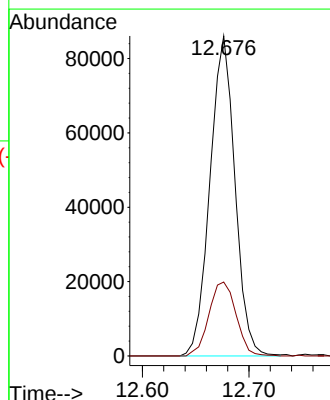
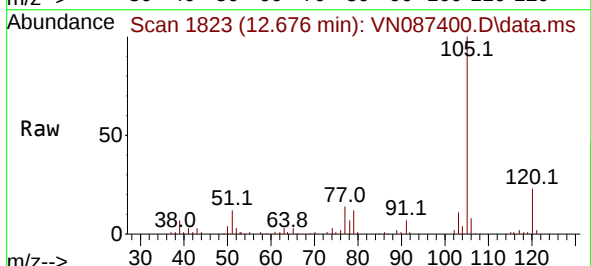
Acq: 23 Jul 2025 10:29

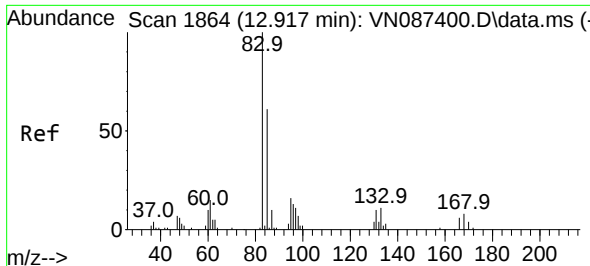
Tgt Ion:105 Resp: 140081

Ion Ratio Lower Upper

105 100

120 25.1 17.6 32.6

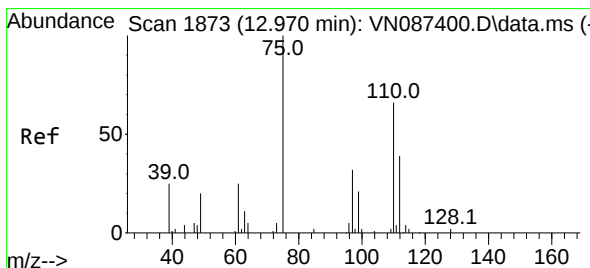
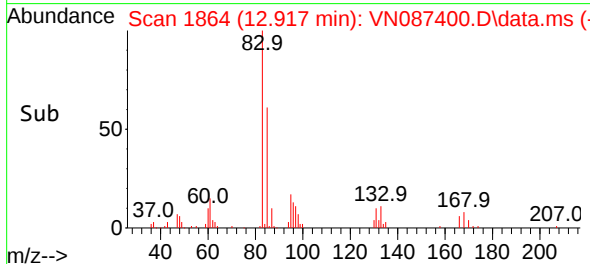
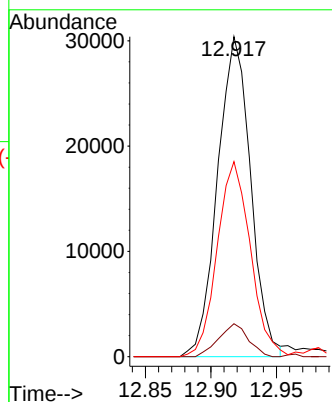
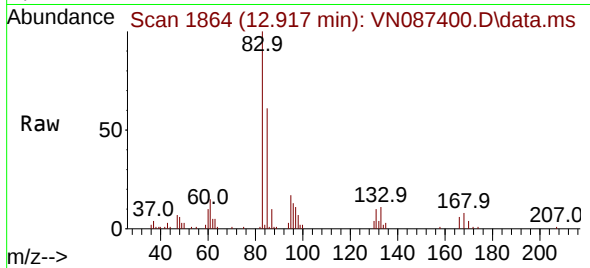




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.794 ug/l
 RT: 12.917 min Scan# 1864
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

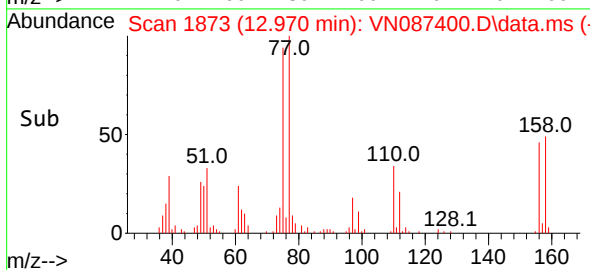
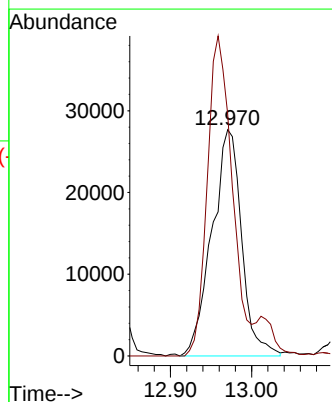
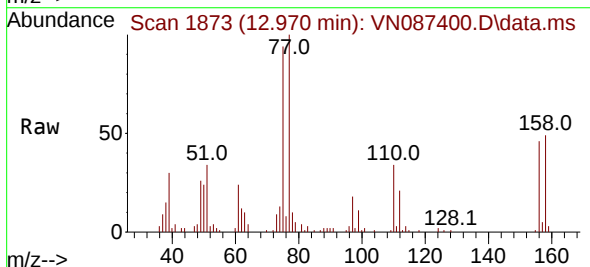
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

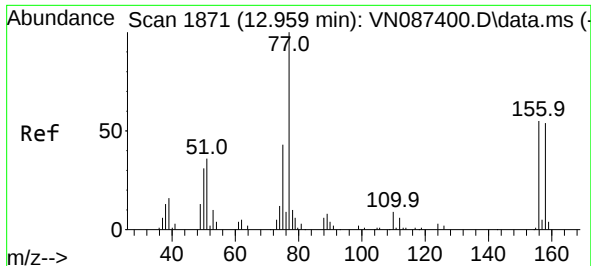
Tgt Ion: 83 Resp: 53302
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.6 13.8
 85 61.1 30.6 91.6



#72
 1,2,3-Trichloropropane
 Concen: 19.575 ug/l
 RT: 12.970 min Scan# 1873
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

Tgt Ion: 75 Resp: 70329
 Ion Ratio Lower Upper
 75 100
 77 118.2 0.0 361.2

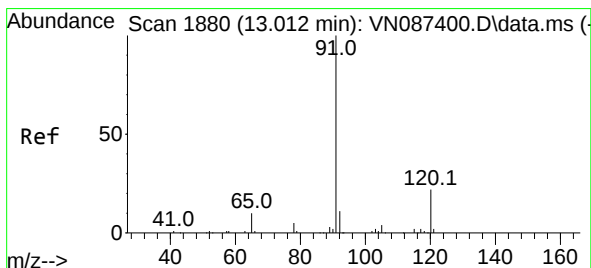
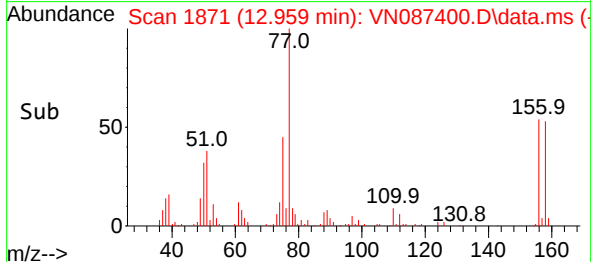
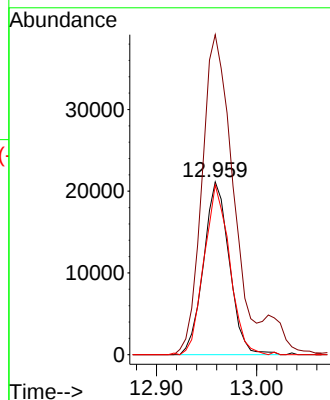
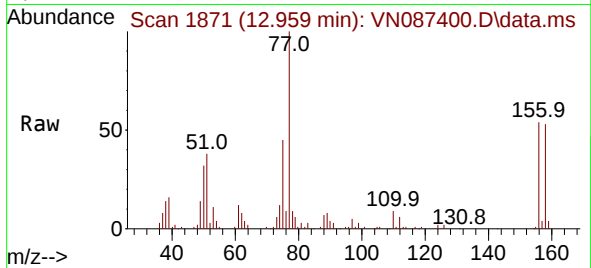




#73
Bromobenzene
Concen: 18.233 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

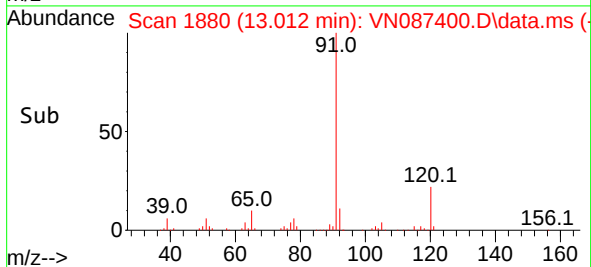
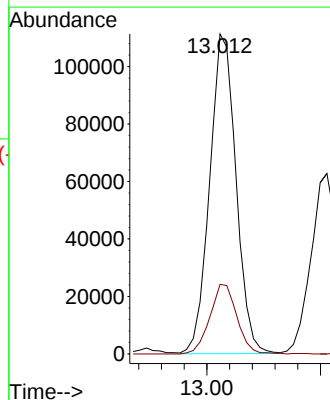
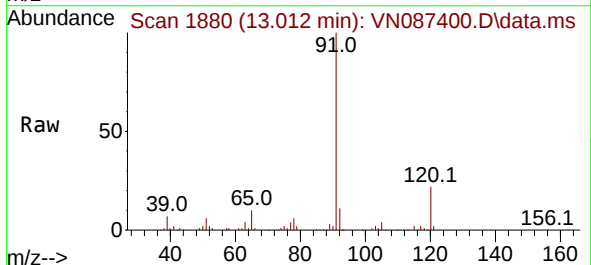
Instrument :
MSVOA_N
ClientSampleId :
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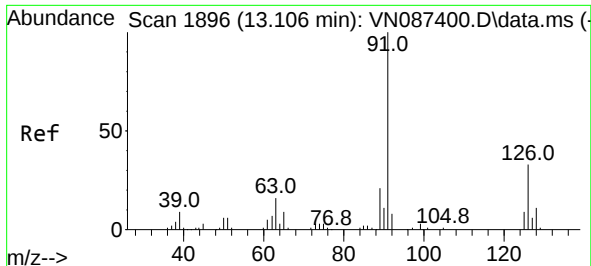
Tgt Ion:156 Resp: 37745
Ion Ratio Lower Upper
156 100
77 220.3 0.0 440.6
158 97.5 0.0 195.0



#74
n-propylbenzene
Concen: 17.779 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 91 Resp: 179285
Ion Ratio Lower Upper
91 100
120 22.3 0.0 44.6

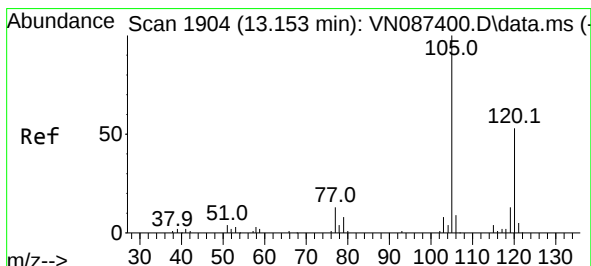
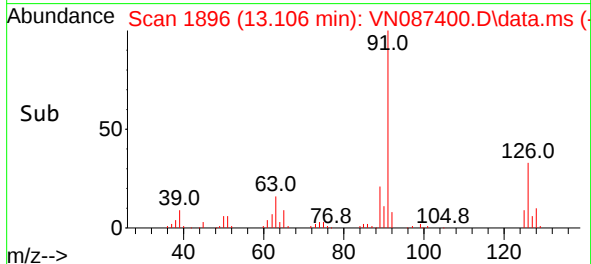
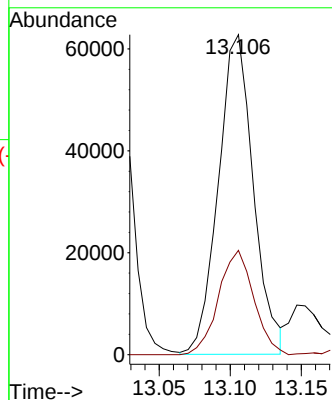
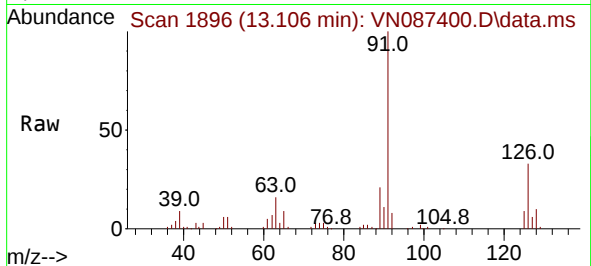




#75
2-Chlorotoluene
Concen: 18.087 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

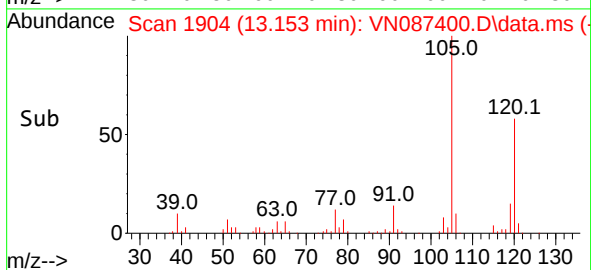
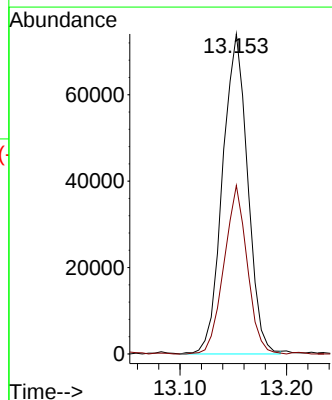
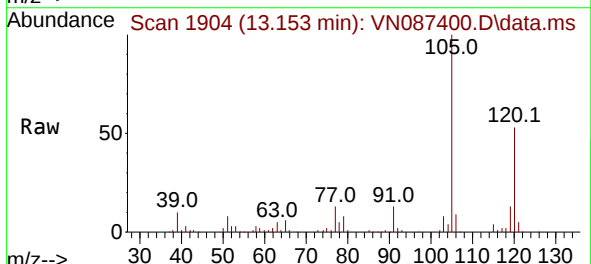
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

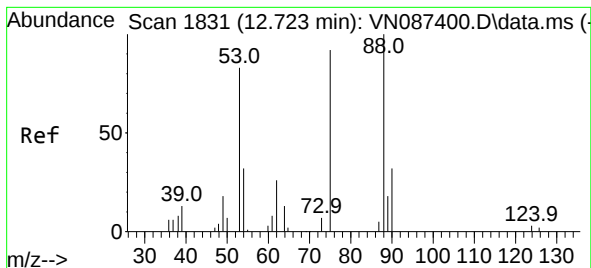
Tgt Ion: 91 Resp: 107691
Ion Ratio Lower Upper
91 100
126 32.7 0.0 65.4



#76
1,3,5-Trimethylbenzene
Concen: 17.638 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 105 Resp: 121117
Ion Ratio Lower Upper
105 100
120 48.7 0.0 97.4

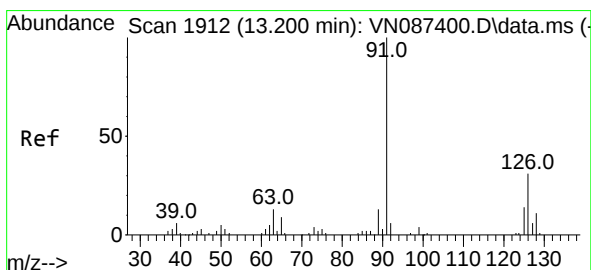
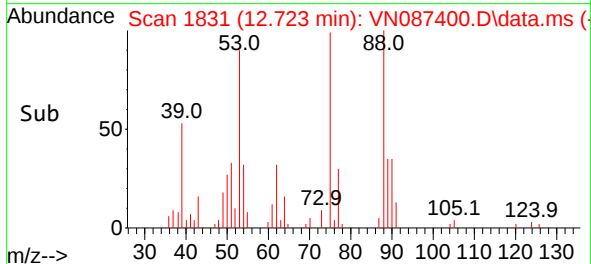
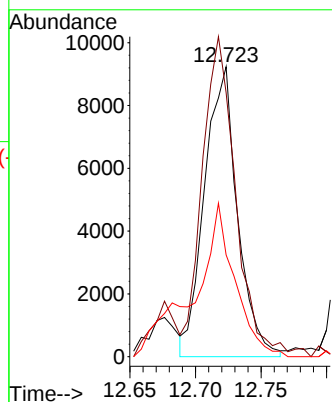
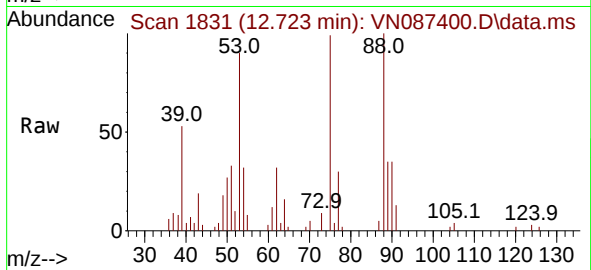




#77
t-1,4-Dichloro-2-butene
Concen: 16.381 ug/l
RT: 12.723 min Scan# 1831
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

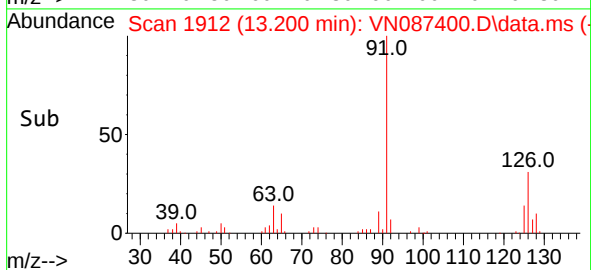
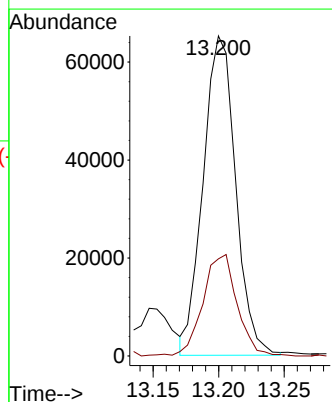
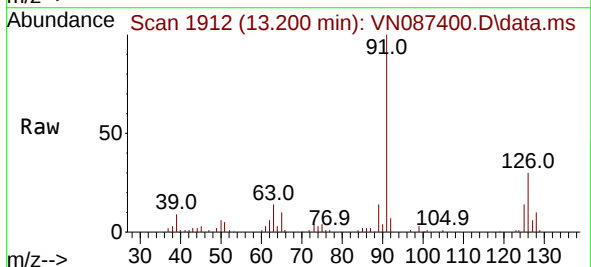
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

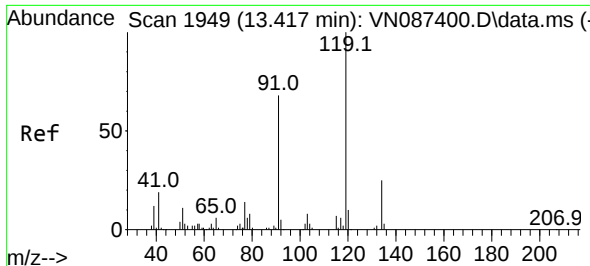
Tgt Ion: 75 Resp: 16109
Ion Ratio Lower Upper
75 100
53 87.9 44.0 131.8
89 33.9 17.0 50.9



#78
4-Chlorotoluene
Concen: 17.596 ug/l
RT: 13.200 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion: 91 Resp: 112420
Ion Ratio Lower Upper
91 100
126 33.3 0.0 66.6

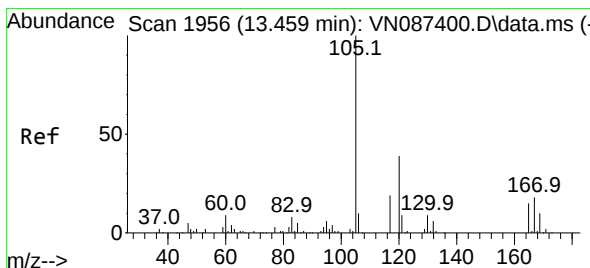
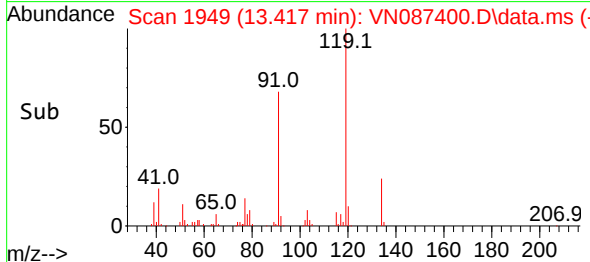
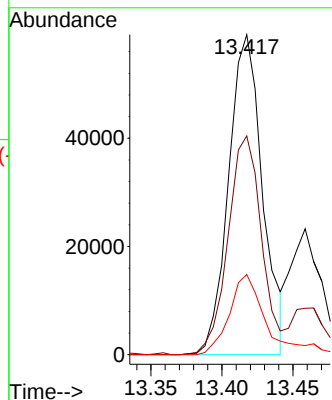
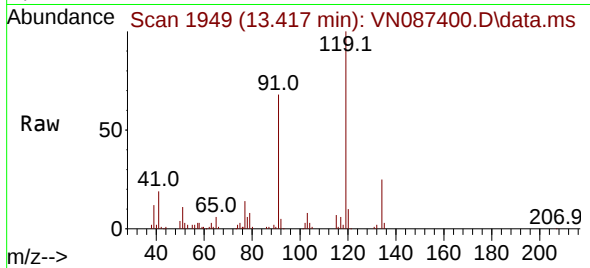




#79
tert-butylbenzene
Concen: 16.969 ug/l
RT: 13.417 min Scan# 1949
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

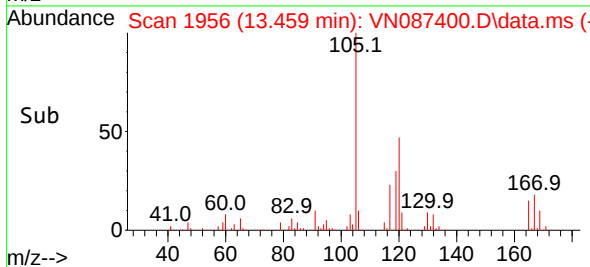
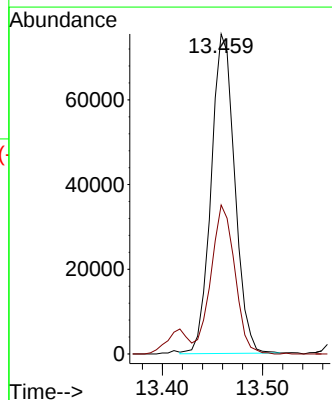
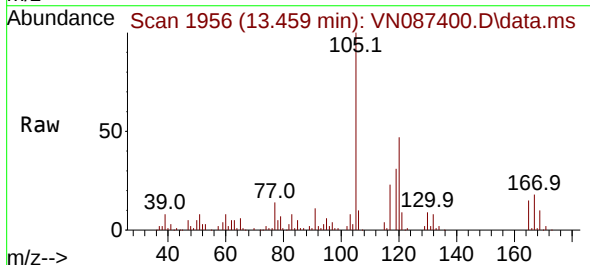
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

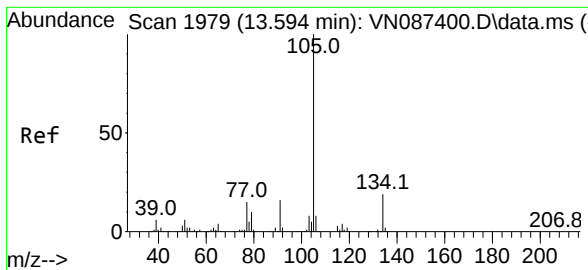
Tgt Ion:119 Resp: 98238
Ion Ratio Lower Upper
119 100
91 67.4 0.0 134.8
134 26.0 0.0 52.0



#80
1,2,4-Trimethylbenzene
Concen: 17.516 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion:105 Resp: 123108
Ion Ratio Lower Upper
105 100
120 47.1 0.0 93.6

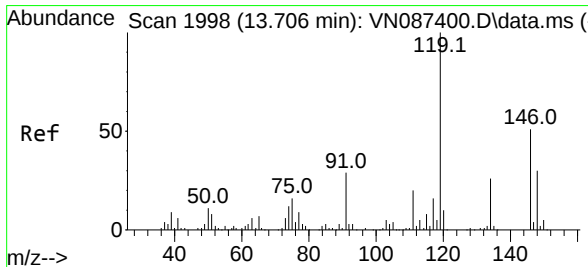
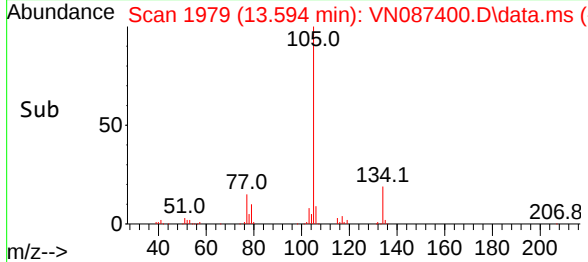
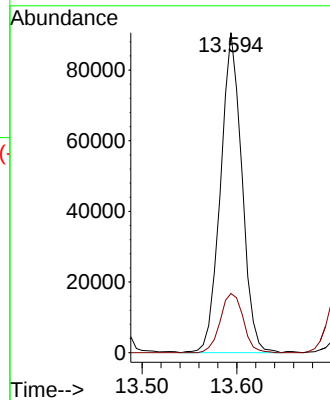
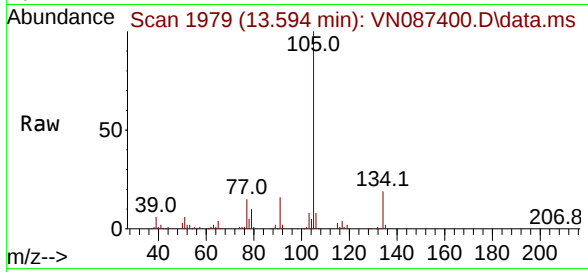




#81
 sec-Butylbenzene
 Concen: 16.808 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

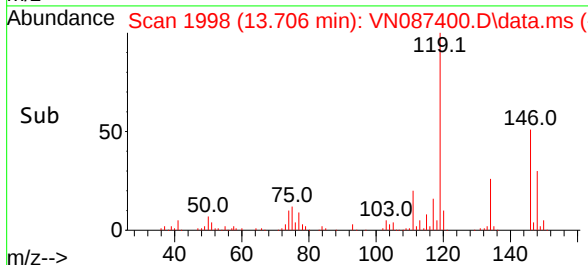
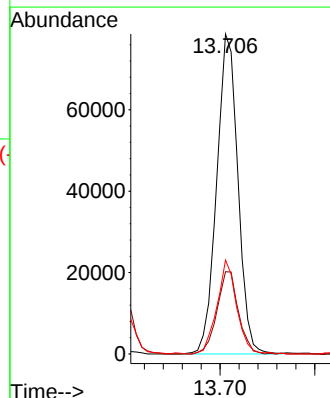
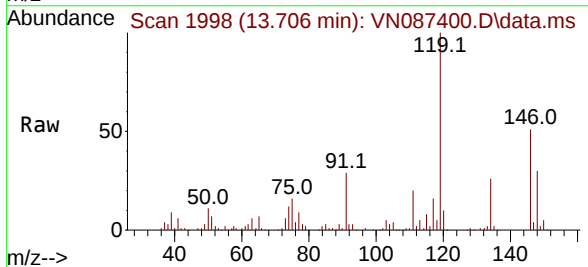
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

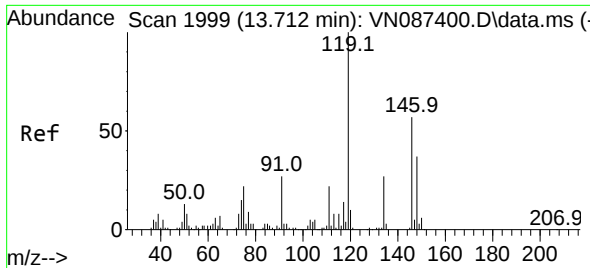
Tgt Ion:105 Resp: 141966
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 39.6



#82
 p-Isopropyltoluene
 Concen: 16.942 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

Tgt Ion:119 Resp: 122521
 Ion Ratio Lower Upper
 119 100
 134 25.9 0.0 51.8
 91 27.1 0.0 54.2

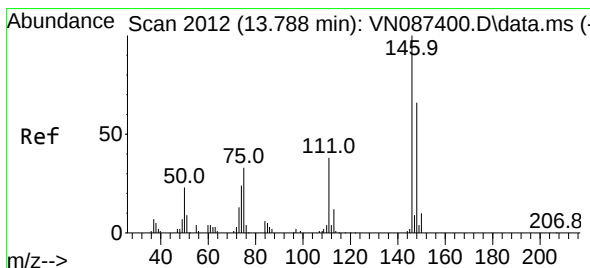
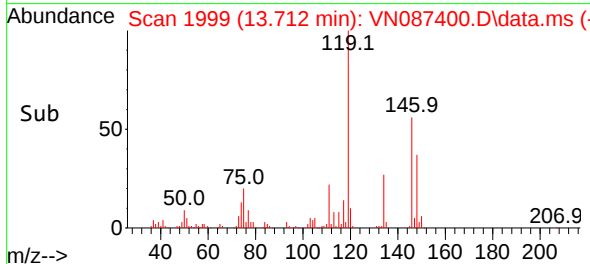
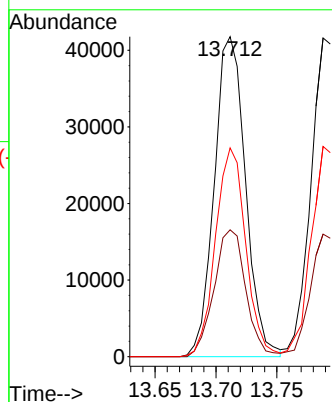
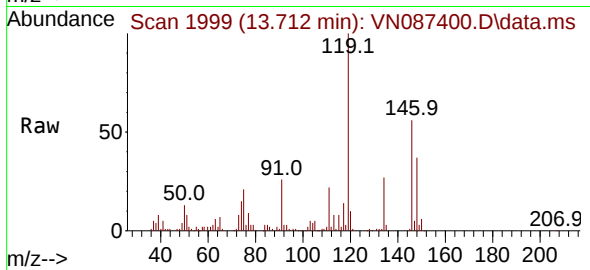




#83
 1,3-Dichlorobenzene
 Concen: 17.852 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

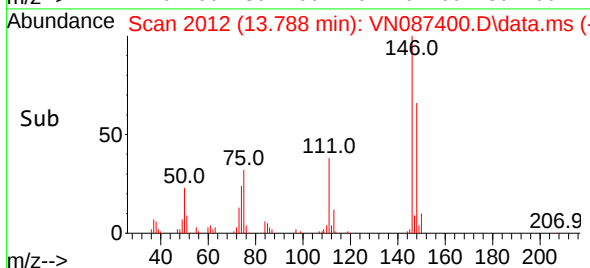
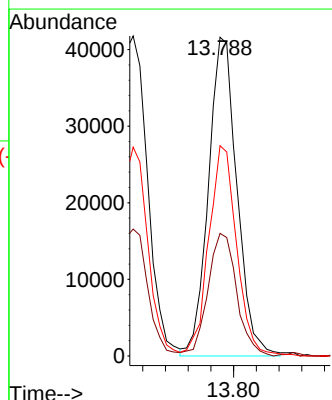
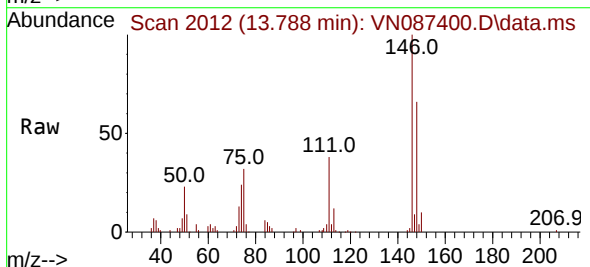
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

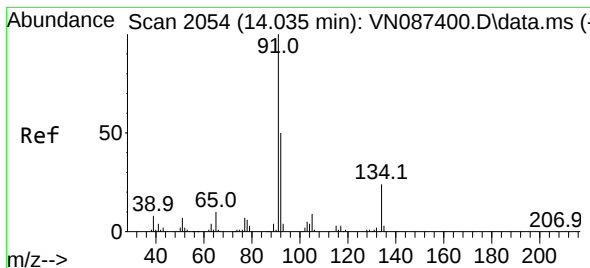
Tgt Ion:146 Resp: 74523
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.2 60.6
 148 63.4 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 17.595 ug/l
 RT: 13.788 min Scan# 1212
 Delta R.T. 0.000 min
 Lab File: VN087400.D
 Acq: 23 Jul 2025 10:29

Tgt Ion:146 Resp: 72591
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.4 58.1
 148 64.8 32.4 97.2





#85

n-Butylbenzene

Concen: 16.497 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

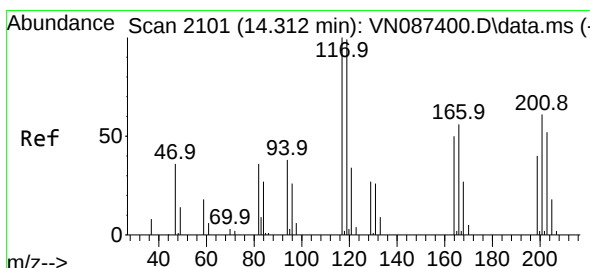
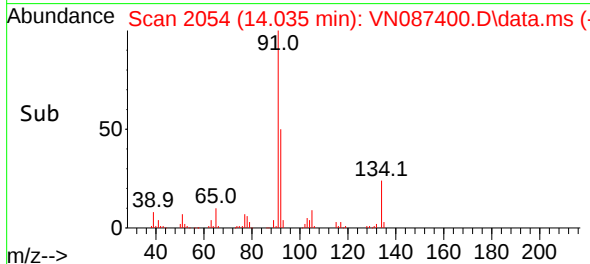
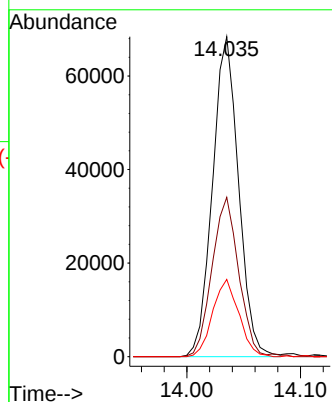
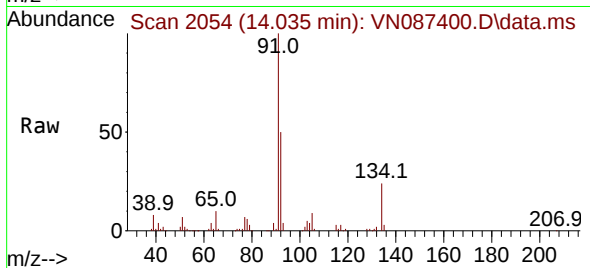
Tgt Ion: 91 Resp: 108977

Ion Ratio Lower Upper

91 100

92 50.7 0.0 101.4

134 24.3 0.0 48.6



#86

Hexachloroethane

Concen: 17.135 ug/l

RT: 14.312 min Scan# 2101

Delta R.T. 0.000 min

Lab File: VN087400.D

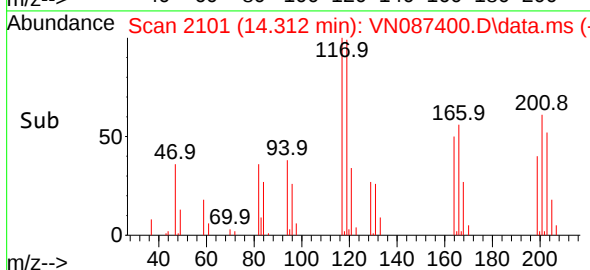
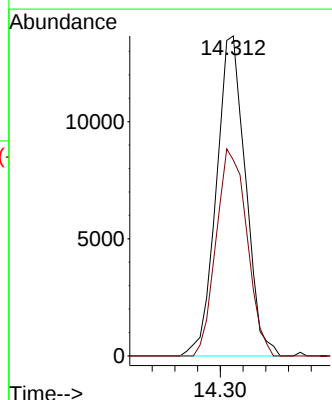
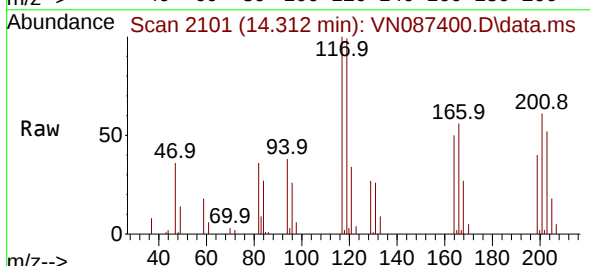
Acq: 23 Jul 2025 10:29

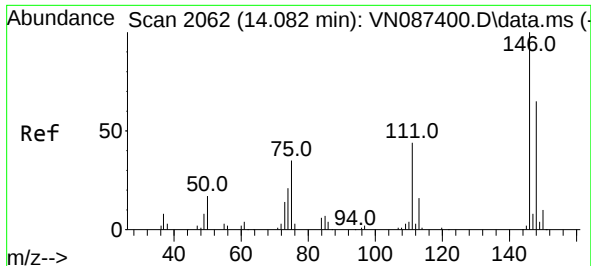
Tgt Ion: 117 Resp: 24372

Ion Ratio Lower Upper

117 100

201 68.3 34.2 102.5





#87

1,2-Dichlorobenzene

Concen: 17.679 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

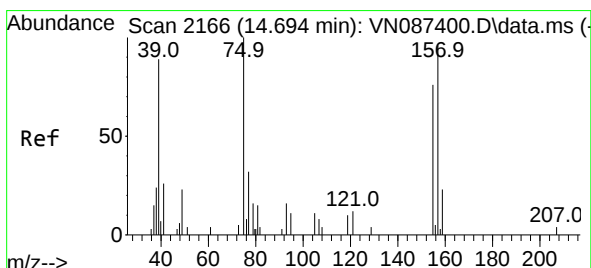
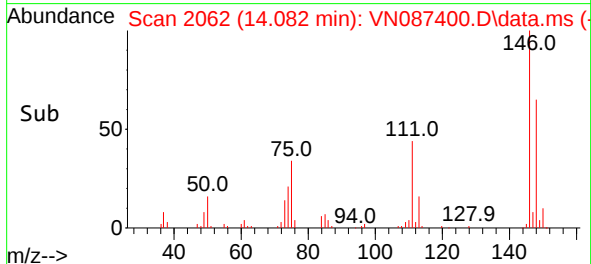
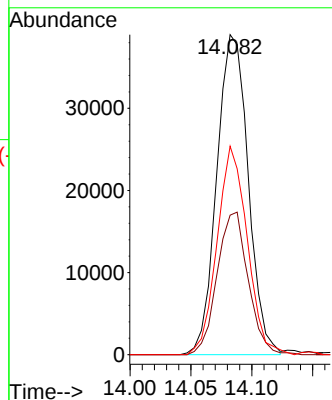
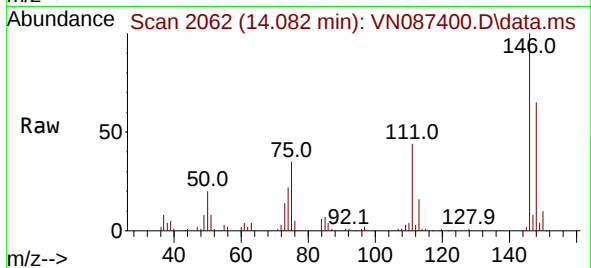
Tgt Ion:146 Resp: 70006

Ion Ratio Lower Upper

146 100

111 43.9 21.9 65.8

148 62.4 31.2 93.6



#88

1,2-Dibromo-3-Chloropropane

Concen: 16.108 ug/l

RT: 14.694 min Scan# 2166

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

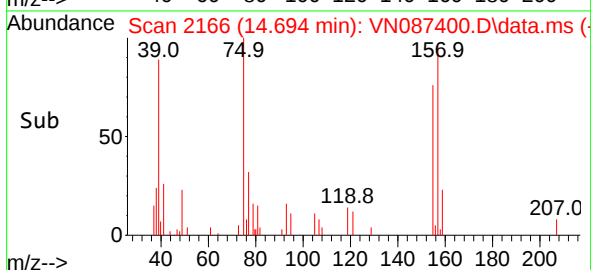
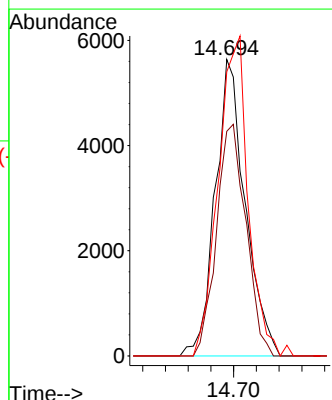
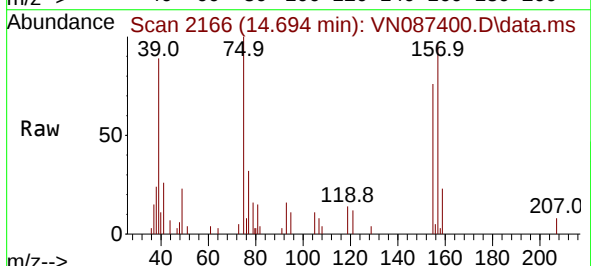
Tgt Ion: 75 Resp: 10355

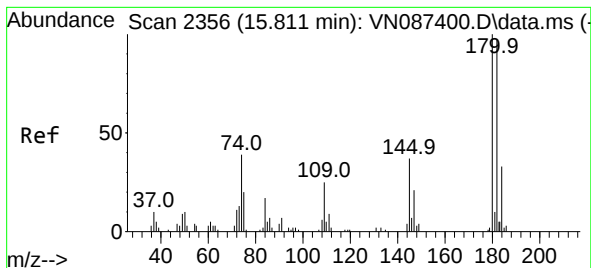
Ion Ratio Lower Upper

75 100

155 76.6 61.3 91.9

157 106.9 85.5 128.3





#89

1,2,4-Trichlorobenzene

Concen: 17.224 ug/l

RT: 15.811 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

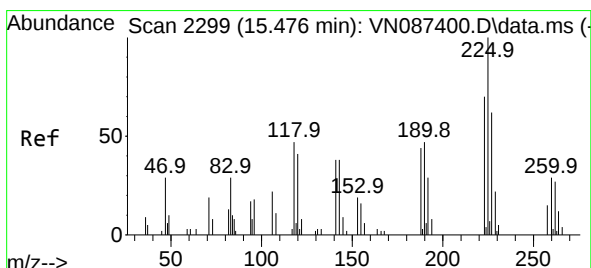
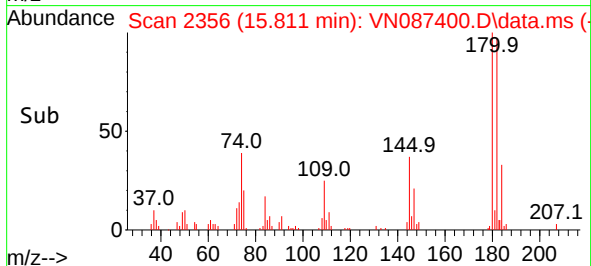
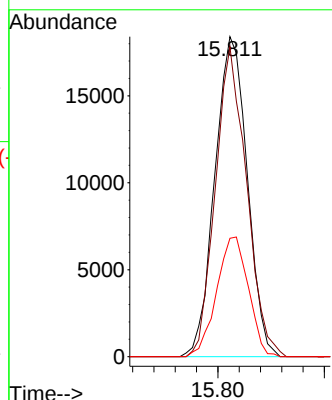
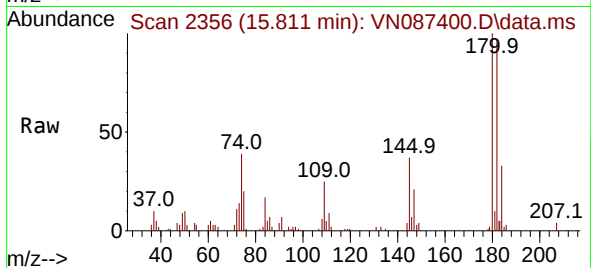
Tgt Ion:180 Resp: 38903

Ion Ratio Lower Upper

180 100

182 92.7 74.2 111.2

145 36.6 29.3 43.9



#90

Hexachlorobutadiene

Concen: 18.113 ug/l

RT: 15.476 min Scan# 2299

Delta R.T. 0.000 min

Lab File: VN087400.D

Acq: 23 Jul 2025 10:29

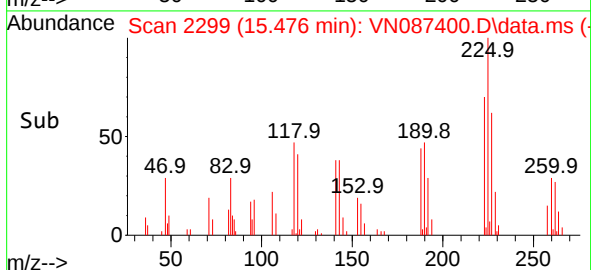
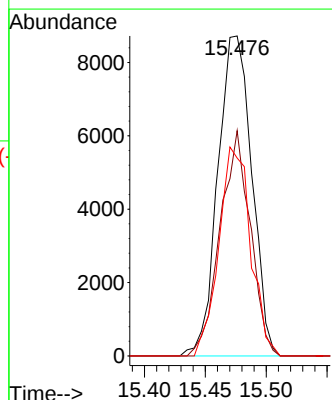
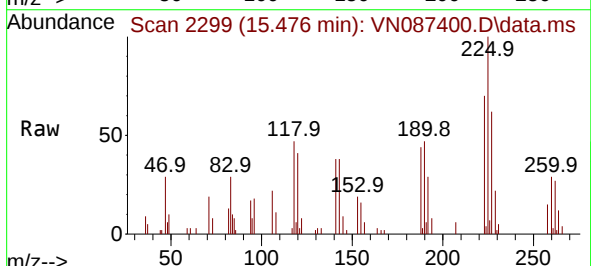
Tgt Ion:225 Resp: 16919

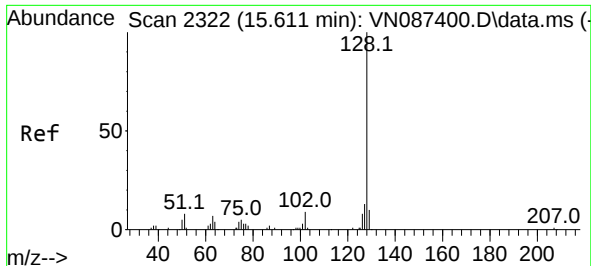
Ion Ratio Lower Upper

225 100

223 62.6 0.0 125.2

227 61.2 0.0 122.4

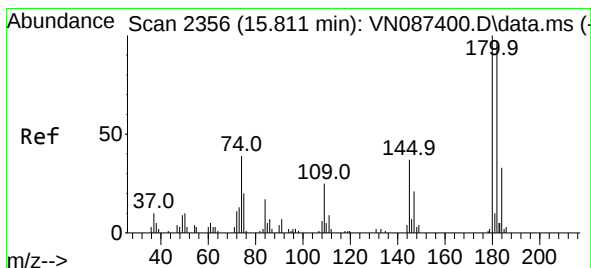
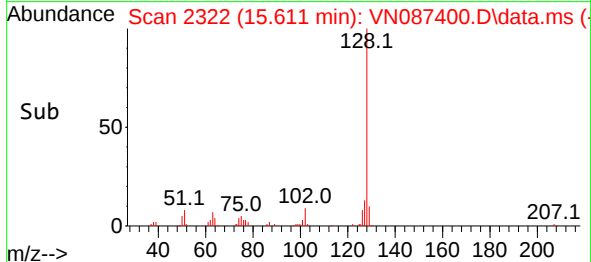
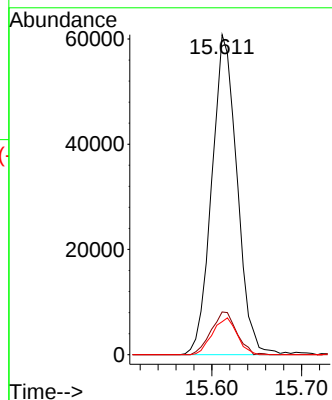
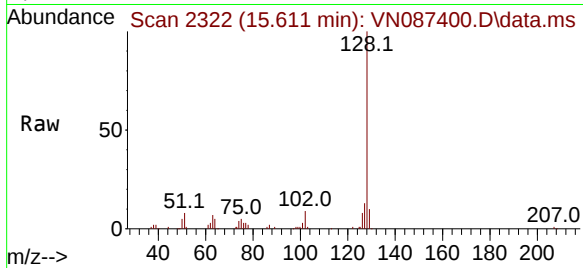




#91
Naphthalene
Concen: 15.987 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:	128	Resp:	118917
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	11.2	9.0	13.4



#92
1,2,3-Trichlorobenzene
Concen: 17.224 ug/l
RT: 15.811 min Scan# 2356
Delta R.T. 0.000 min
Lab File: VN087400.D
Acq: 23 Jul 2025 10:29

Tgt Ion:	180	Resp:	38903
Ion Ratio	Lower	Upper	
180	100		
182	92.7	0.0	185.4
145	36.6	0.0	73.2

