

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072225\
 Data File : VN087389.D
 Acq On : 22 Jul 2025 14:03
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 23 05:54:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N062525W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 25 10:49:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.800	128	26469	30.000	ug/l	-0.02
28) 1,4-Difluorobenzene	9.082	114	120974	30.000	ug/l	-0.02
57) Chlorobenzene-d5	11.847	117	115930	30.000	ug/l	-0.02
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	64812	32.498	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 110		Recovery = 108.333%			
60) 4-Bromofluorobenzene	12.829	95	53881	30.119	ug/l	-0.02
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.400%			
63) Toluene-d8	10.547	98	161964	31.116	ug/l	-0.02
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.733%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	21817	13.693	ug/l	96
3) Chloromethane	2.389	50	23153	14.227	ug/l	98
4) Vinyl Chloride	2.542	62	26195	14.810	ug/l #	87
5) Bromomethane	2.983	94	16378	17.448	ug/l	96
6) Chloroethane	3.142	64	23538	24.809	ug/l	99
7) Trichlorofluoromethane	3.512	101	53527	24.672	ug/l	99
8) Diethyl Ether	3.965	74	21456	20.129	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.365	101	29914	18.598	ug/l #	83
10) 1,1-Dichloroethene	4.336	96	29135	18.171	ug/l	85
11) Methyl Iodide	4.577	142	9782	6.810	ug/l #	80
12) Methyl Acetate	5.018	43	43418	17.263	ug/l #	86
13) Acrolein	4.177	56	37445	96.893	ug/l	96
14) Acrylonitrile	5.712	53	86837	74.023	ug/l	96
15) Acetone	4.418	58	31368	91.666	ug/l	83
16) Carbon Disulfide	4.706	76	60559	12.918	ug/l	99
17) Allyl chloride	5.012	41	37285	14.099	ug/l	93
18) Methylene Chloride	5.271	84	29941	16.119	ug/l	93
19) trans-1,2-Dichloroethene	5.777	96	26771	15.268	ug/l	88
20) Diisopropyl ether	6.659	45	94779	16.892	ug/l	94
21) 1,1-Dichloroethane	6.553	63	55933	16.679	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	32124	15.741	ug/l	98
23) tert-Butyl Alcohol	5.518	59	24759	56.120	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	91721	16.310	ug/l #	65
25) Chloroform	7.953	83	60528	18.840	ug/l	97
26) Cyclohexane	8.236	56	33237	11.924	ug/l #	96
29) 1,1-Dichloropropene	8.359	75	33273	17.646	ug/l	96
30) 2-Butanone	7.471	43	128013	100.646	ug/l	96
31) 2,2-Dichloropropane	7.471	77	47011	20.654	ug/l #	73
32) 1,1,1-Trichloroethane	8.153	97	50600	22.970	ug/l #	88
33) Carbon Tetrachloride	8.341	117	44660	24.091	ug/l	94
34) Benzene	8.588	78	113915	19.070	ug/l #	95
35) Methacrylonitrile	7.765	41	27046	21.100	ug/l	87
36) 1,2-Dichloroethane	8.653	62	47245	24.479	ug/l	99
37) Trichloroethene	9.335	130	27114	19.679	ug/l	88
38) Methylcyclohexane	9.582	83	32565	15.052	ug/l	95
39) 1,2-Dichloropropane	9.600	63	31036	20.700	ug/l	94
40) Dibromomethane	9.688	93	24778	24.304	ug/l	94
41) Bromodichloromethane	9.871	83	48397	23.519	ug/l #	98
42) Vinyl Acetate	6.589	43	384638	92.977	ug/l	100

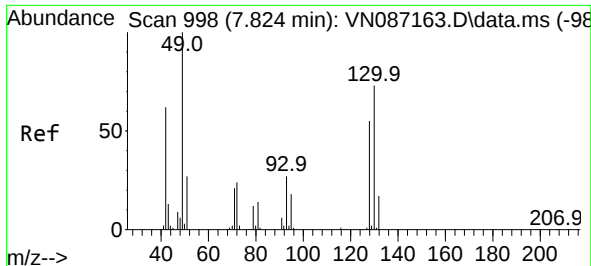
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	46582	20.288	ug/l	100
44) Isopropyl Acetate	8.677	43	76835	20.539	ug/l	100
45) 1,4-Dioxane	9.688	88	8538	337.390	ug/l #	86
46) Methyl methacrylate	9.665	41	35399	20.355	ug/l	96
47) n-amyl Acetate	12.523	43	4122	1.802	ug/l #	100
48) t-1,3-Dichloropropene	10.818	75	47433	20.677	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	48692	19.966	ug/l #	84
50) 1,1,2-Trichloroethane	11.000	97	32365	22.348	ug/l	94
51) Ethyl methacrylate	10.859	69	42695	19.370	ug/l	94
52) 1,3-Dichloropropane	11.141	76	52417	21.083	ug/l	97
53) Dibromochloromethane	11.335	129	36659	24.115	ug/l	99
54) 1,2-Dibromoethane	11.453	107	31508	21.088	ug/l	96
55) 2-Chloroethyl vinyl ether	10.141	63	134170	106.194	ug/l	98
56) Bromoform	12.559	173	24001	22.967	ug/l #	98
58) 4-Methyl-2-Pentanone	10.429	43	265017	113.711	ug/l	94
59) 2-Hexanone	11.182	43	174070	115.665	ug/l	87
61) Tetrachloroethene	11.082	164	23643	20.594	ug/l	96
62) Toluene	10.612	91	124453	19.008	ug/l	99
64) Chlorobenzene	11.871	112	83013	19.876	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.941	131	33054	23.952	ug/l	95
66) Ethyl Benzene	11.947	91	129125	18.017	ug/l	98
67) m/p-Xylenes	12.053	106	104556	38.072	ug/l	100
68) o-Xylene	12.376	106	47506	18.132	ug/l	98
69) Styrene	12.394	104	83290	18.517	ug/l	97
70) Isopropylbenzene	12.676	105	122907	18.835	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	49227	20.959	ug/l	97
72) 1,2,3-Trichloropropane	12.970	75	62672	30.943	ug/l	53
73) Bromobenzene	12.959	156	33306	21.041	ug/l	92
74) n-propylbenzene	13.018	91	157364	19.740	ug/l	100
75) 2-Chlorotoluene	13.106	91	96423	20.021	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	108489	20.423	ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	14564	16.210	ug/l	96
78) 4-Chlorotoluene	13.200	91	100169	20.307	ug/l	98
79) tert-butylbenzene	13.418	119	88031	19.714	ug/l	98
80) 1,2,4-Trimethylbenzene	13.465	105	110414	20.699	ug/l	97
81) sec-Butylbenzene	13.594	105	131396	20.242	ug/l	99
82) p-Isopropyltoluene	13.706	119	110396	20.437	ug/l	95
83) 1,3-Dichlorobenzene	13.712	146	66565	21.838	ug/l	98
84) 1,4-Dichlorobenzene	13.794	146	66085	21.542	ug/l	97
85) n-Butylbenzene	14.035	91	99667	20.222	ug/l	97
86) Hexachloroethane	14.306	117	23561	23.042	ug/l	95
87) 1,2-Dichlorobenzene	14.088	146	63275	22.016	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	10346	19.562	ug/l	97
89) 1,2,4-Trichlorobenzene	15.817	180	34895	21.460	ug/l	96
90) Hexachlorobutadiene	15.470	225	16396	33.980	ug/l	96
91) Naphthalene	15.617	128	111265	17.387	ug/l	98
92) 1,2,3-Trichlorobenzene	15.817	180	34895	21.460	ug/l	96

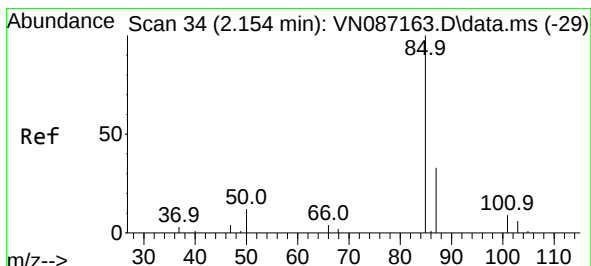
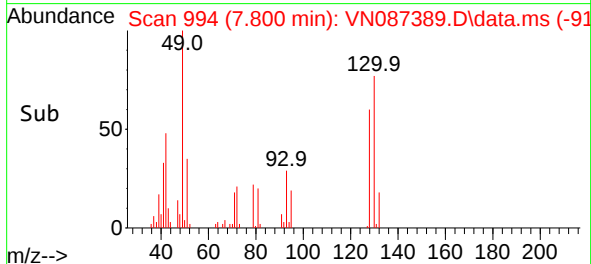
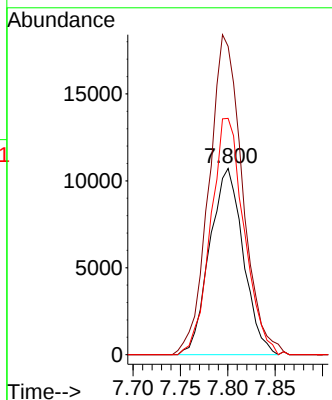
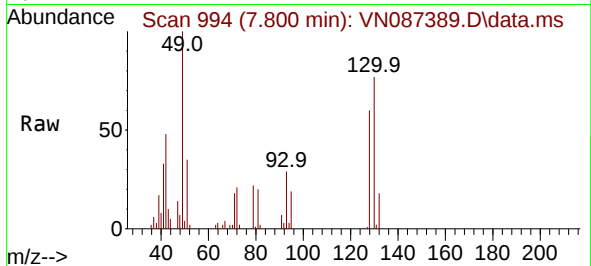
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 91
Delta R.T. -0.024 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

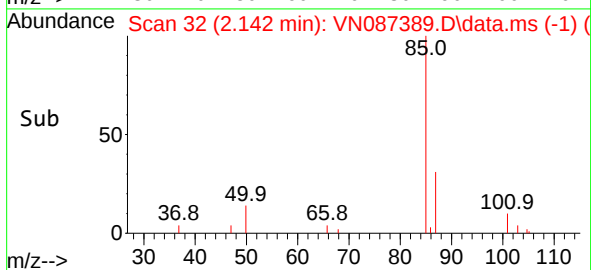
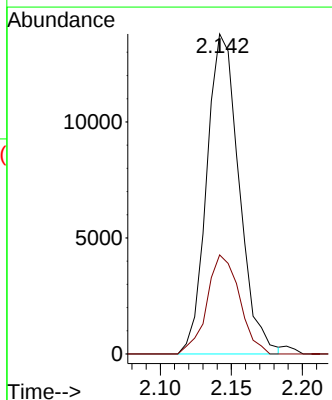
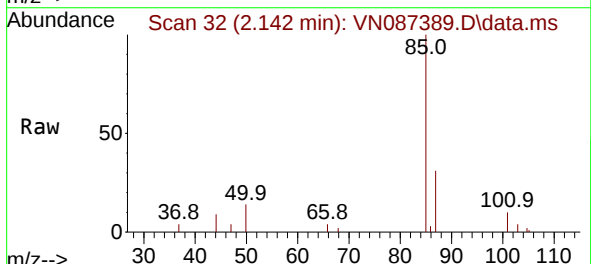
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MSVOA_N
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VSTDCCC020

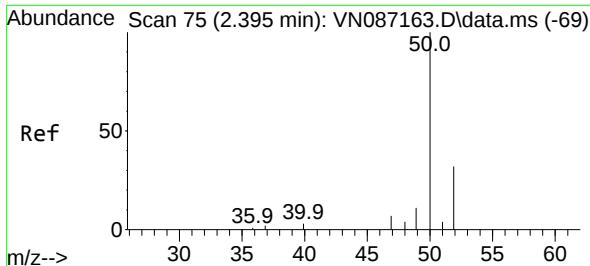
Tgt Ion:128 Resp: 26469
Ion Ratio Lower Upper
128 100
49 171.3 0.0 450.5
130 126.0 0.0 320.7



#2
Dichlorodifluoromethane
Concen: 13.693 ug/l
RT: 2.142 min Scan# 32
Delta R.T. -0.012 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 85 Resp: 21817
Ion Ratio Lower Upper
85 100
87 31.0 16.7 50.0

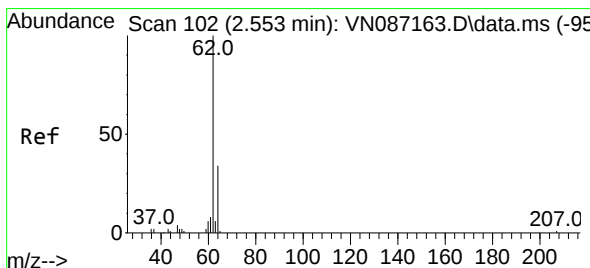
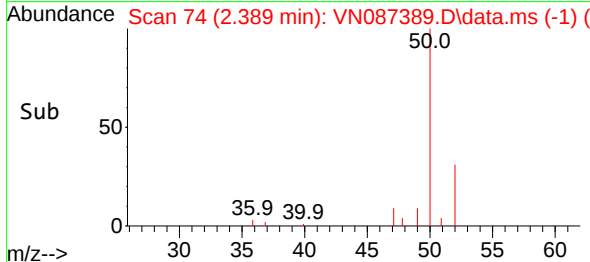
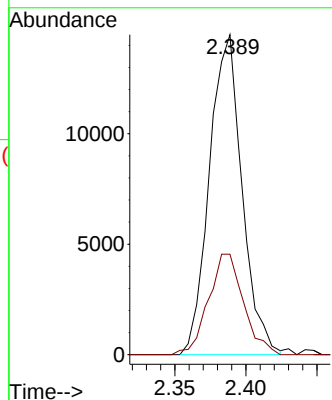
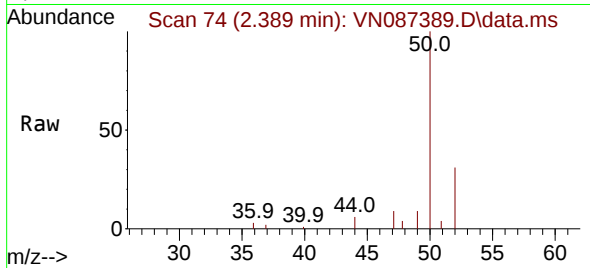




#3
Chloromethane
Concen: 14.227 ug/l
RT: 2.389 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

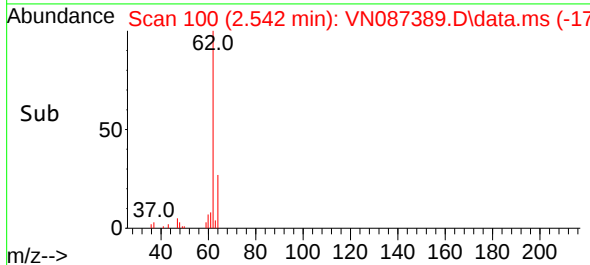
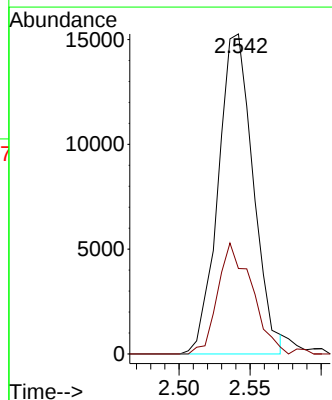
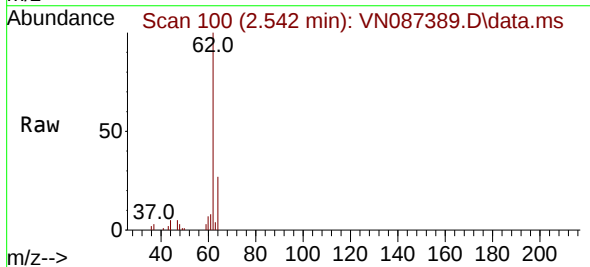
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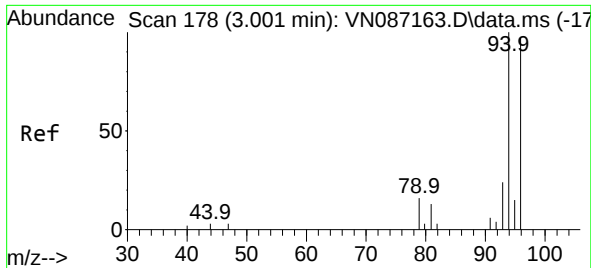
Tgt Ion: 50 Resp: 23153
Ion Ratio Lower Upper
50 100
52 31.4 25.9 38.9



#4
Vinyl Chloride
Concen: 14.810 ug/l
RT: 2.542 min Scan# 100
Delta R.T. -0.012 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 62 Resp: 26195
Ion Ratio Lower Upper
62 100
64 26.7 27.4 41.2#

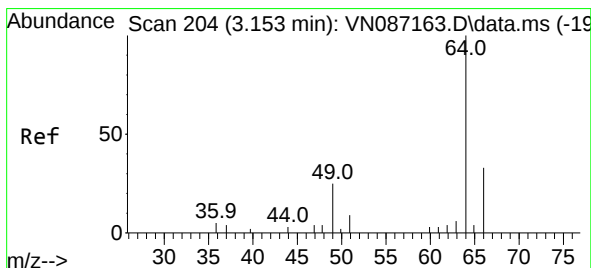
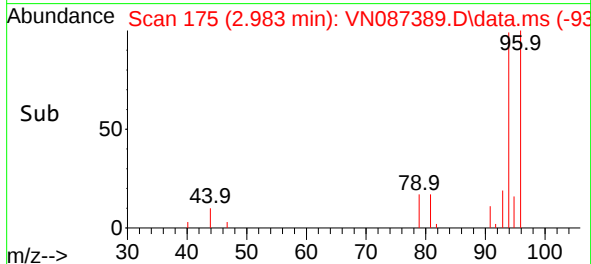
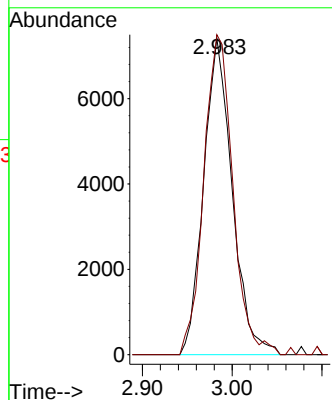
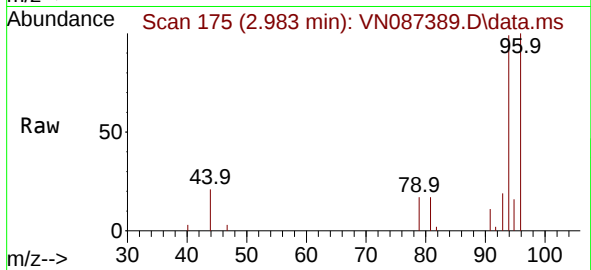




#5
Bromomethane
Concen: 17.448 ug/l
RT: 2.983 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

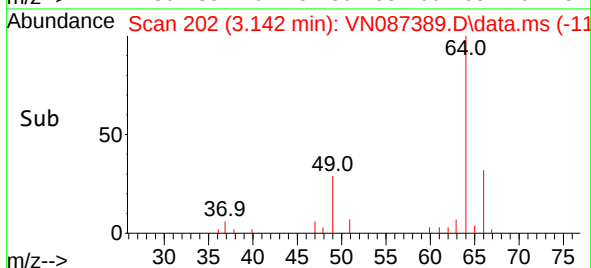
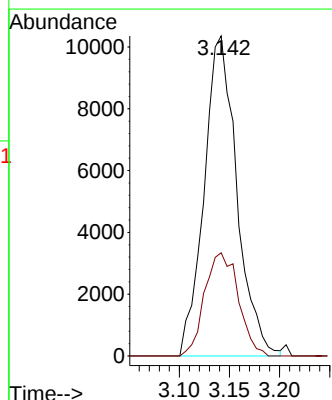
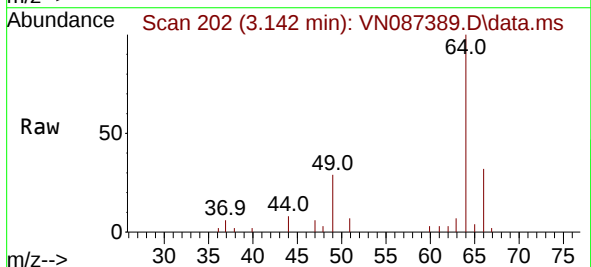
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ClientSampleId :
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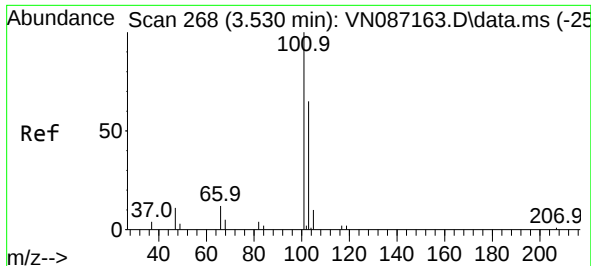
Tgt Ion: 94 Resp: 16378
Ion Ratio Lower Upper
94 100
96 101.2 77.9 116.9



#6
Chloroethane
Concen: 24.809 ug/l
RT: 3.142 min Scan# 202
Delta R.T. -0.012 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 64 Resp: 23538
Ion Ratio Lower Upper
64 100
66 32.3 26.4 39.6

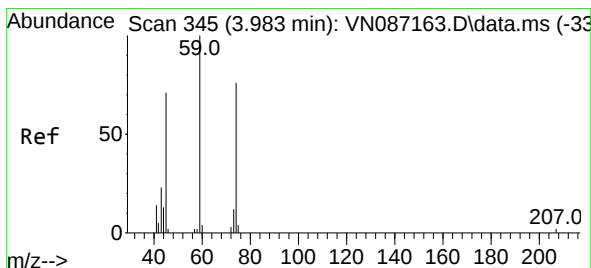
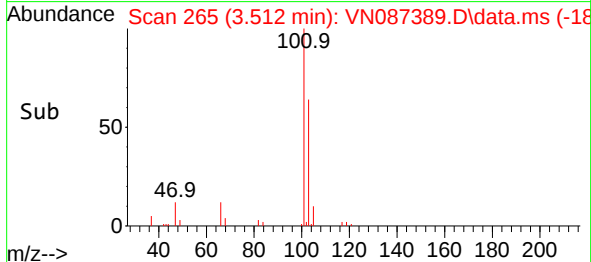
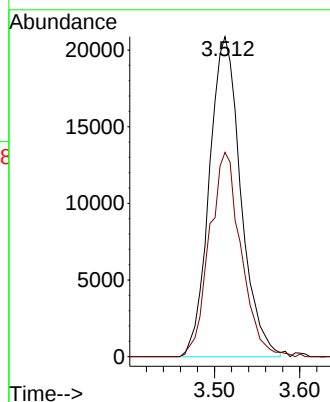
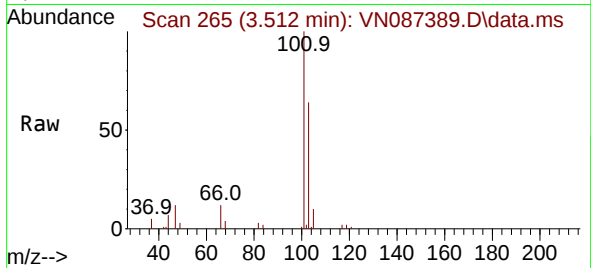




#7
 Trichlorofluoromethane
 Concen: 24.672 ug/l
 RT: 3.512 min Scan# 201
 Delta R.T. -0.018 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

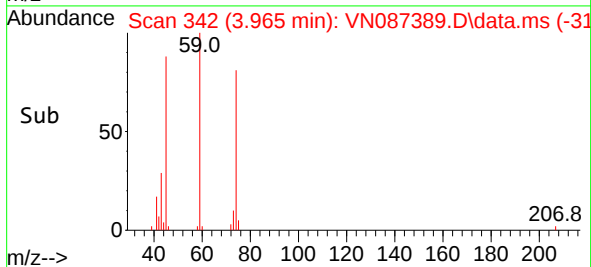
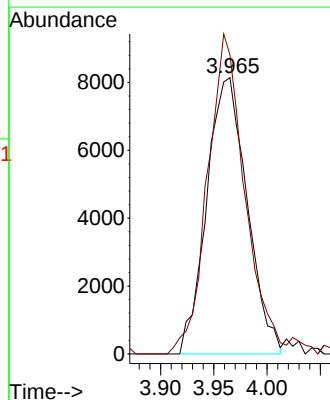
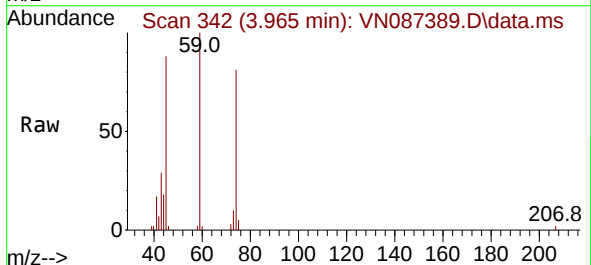
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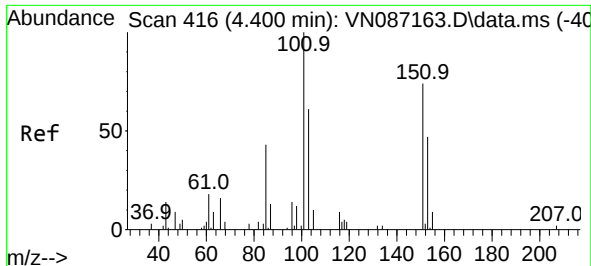
Tgt Ion:101 Resp: 53527
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.8 77.8



#8
 Diethyl Ether
 Concen: 20.129 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. -0.018 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

Tgt Ion: 74 Resp: 21456
 Ion Ratio Lower Upper
 74 100
 45 106.5 19.0 171.0

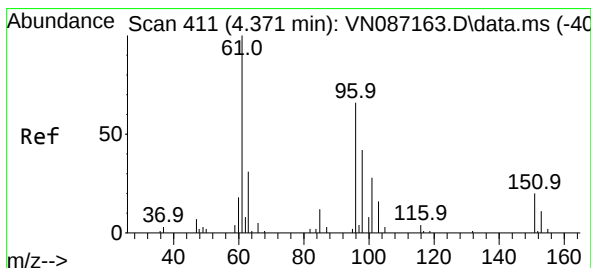
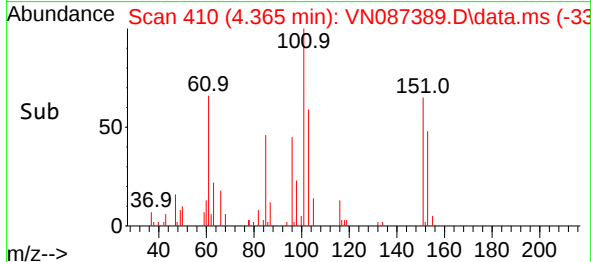
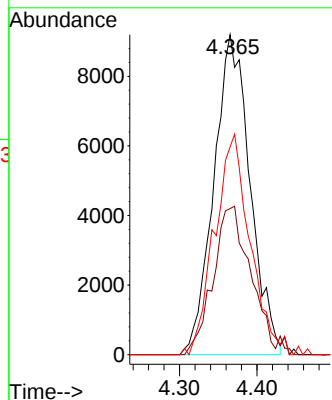
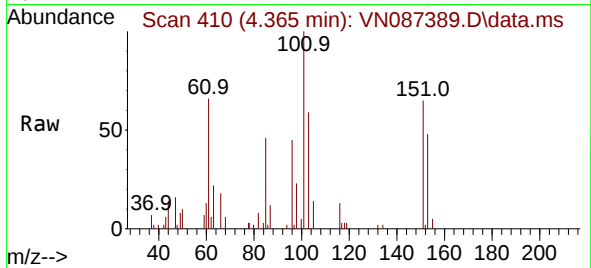




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.598 ug/l
 RT: 4.365 min Scan# 416
 Delta R.T. -0.035 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

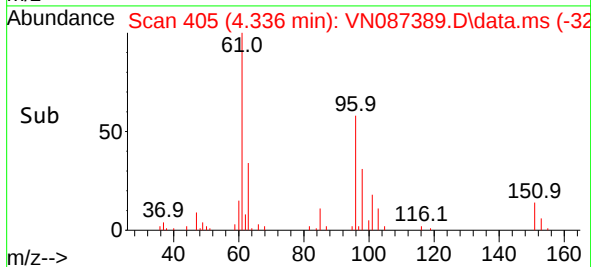
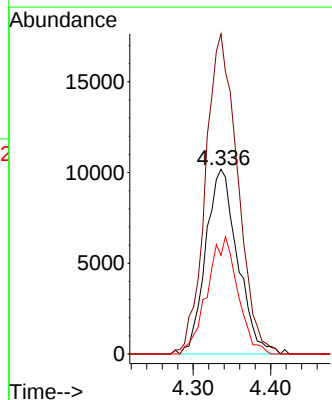
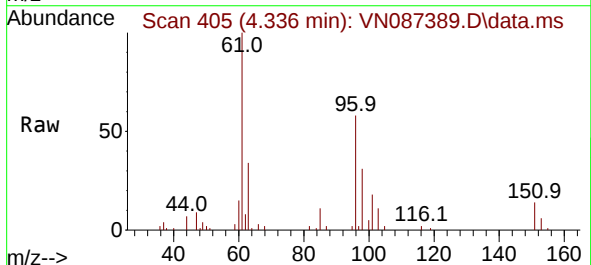
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 VSTDCCC020

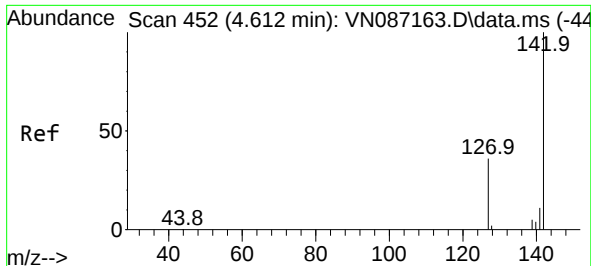
Tgt Ion:101 Resp: 29914
 Ion Ratio Lower Upper
 101 100
 85 47.6 0.0 40.6#
 151 66.5 0.0 141.2



#10
 1,1-Dichloroethene
 Concen: 18.171 ug/l
 RT: 4.336 min Scan# 405
 Delta R.T. -0.035 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

Tgt Ion: 96 Resp: 29135
 Ion Ratio Lower Upper
 96 100
 61 173.3 122.0 183.0
 98 53.4 50.3 75.5

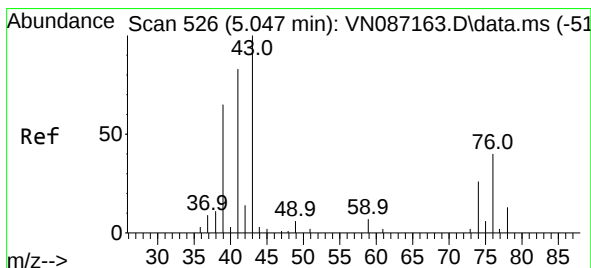
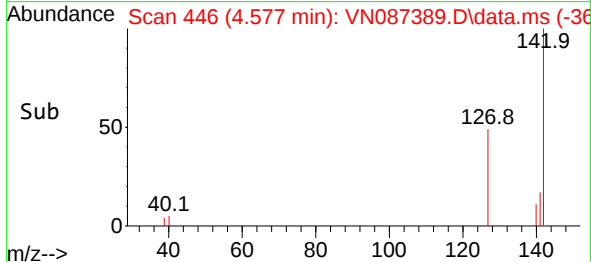
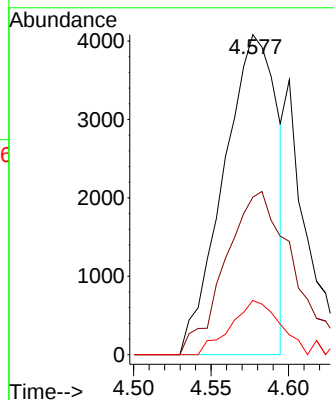
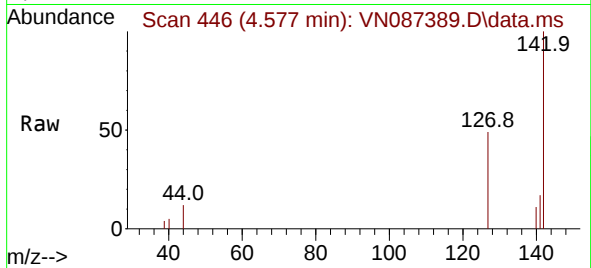




#11
Methyl Iodide
Concen: 6.810 ug/l
RT: 4.577 min Scan# 44
Delta R.T. -0.035 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

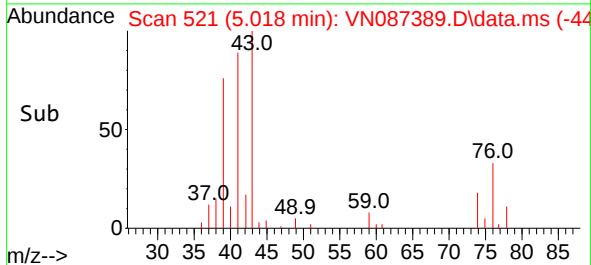
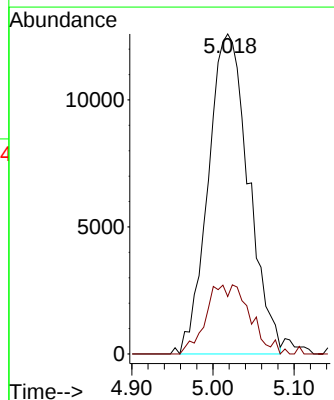
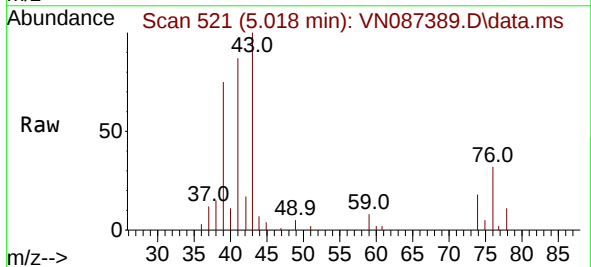
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

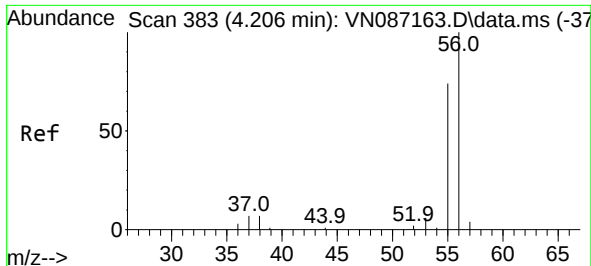
Tgt Ion:142 Resp: 9782
Ion Ratio Lower Upper
142 100
127 48.0 18.1 54.1
141 19.0 5.7 17.1#



#12
Methyl Acetate
Concen: 17.263 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.029 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 43 Resp: 43418
Ion Ratio Lower Upper
43 100
74 18.1 20.3 30.5#

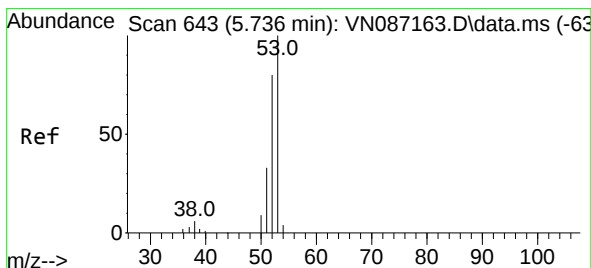
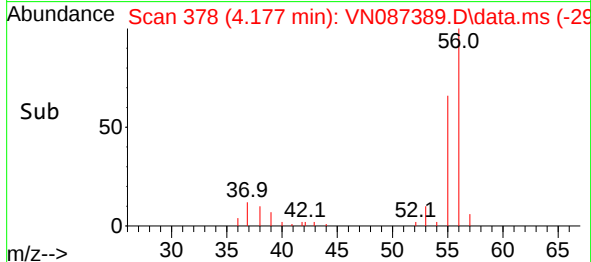
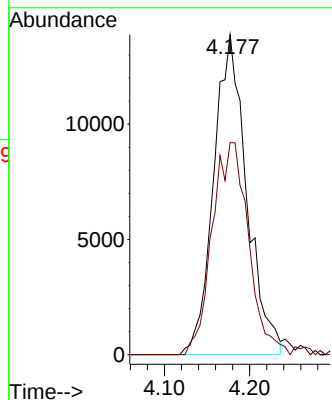
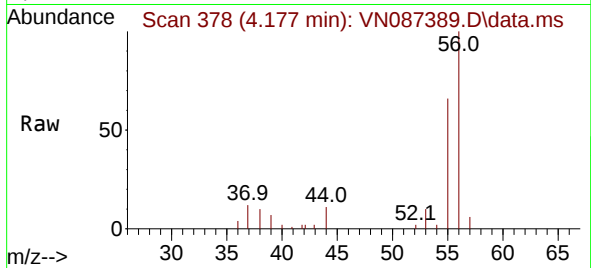




#13
Acrolein
Concen: 96.893 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.029 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

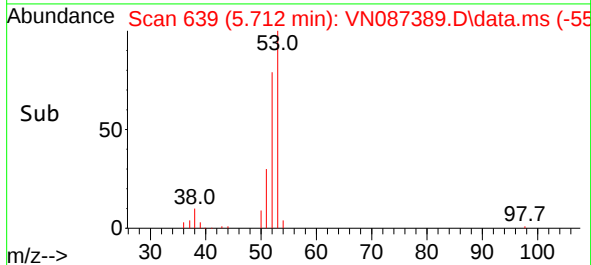
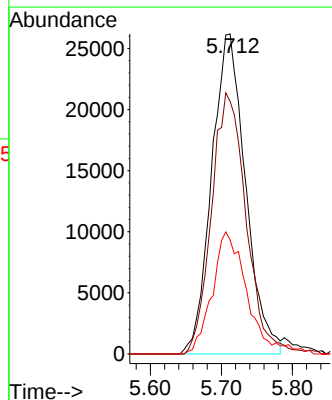
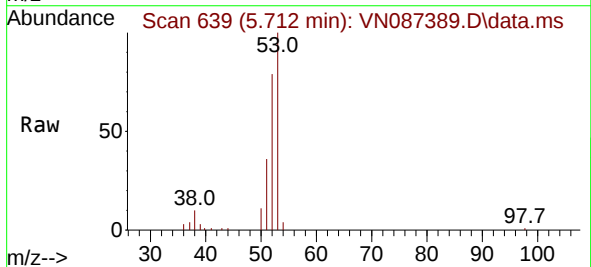
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

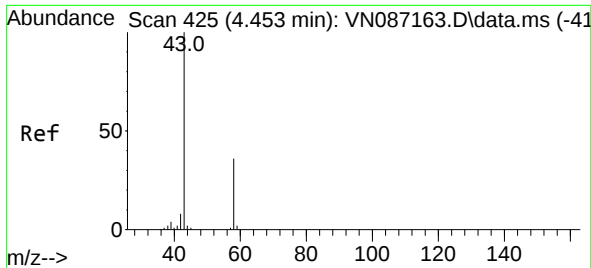
Tgt Ion: 56 Resp: 37445
Ion Ratio Lower Upper
56 100
55 72.6 55.7 83.5



#14
Acrylonitrile
Concen: 74.023 ug/l
RT: 5.712 min Scan# 639
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 53 Resp: 86837
Ion Ratio Lower Upper
53 100
52 83.2 40.5 121.5
51 38.3 16.9 50.7





#15

Acetone

Concen: 91.666 ug/l

RT: 4.418 min Scan# 41

Delta R.T. -0.035 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

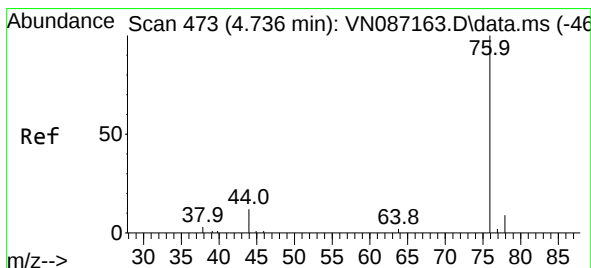
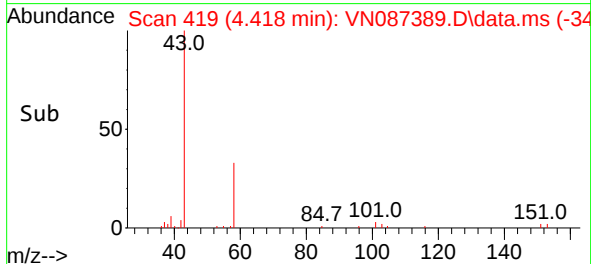
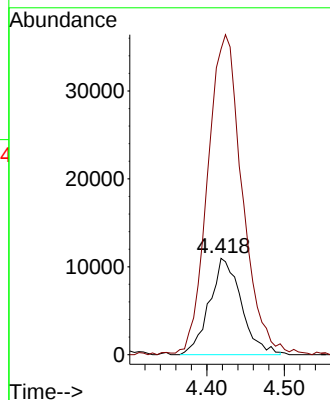
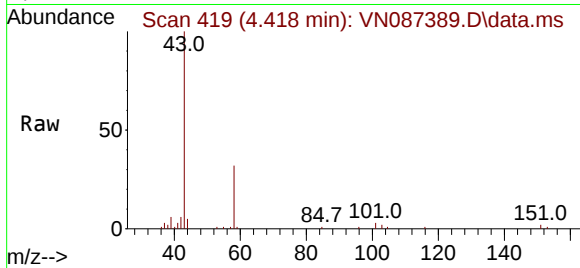
VSTDCCC020

Tgt Ion: 58 Resp: 31368

Ion Ratio Lower Upper

58 100

43 311.5 224.3 336.5



#16

Carbon Disulfide

Concen: 12.918 ug/l

RT: 4.706 min Scan# 468

Delta R.T. -0.029 min

Lab File: VN087389.D

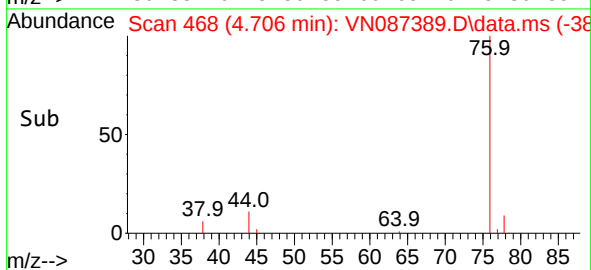
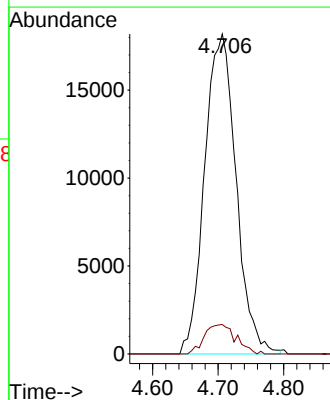
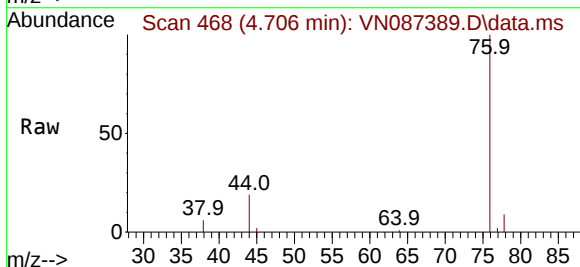
Acq: 22 Jul 2025 14:03

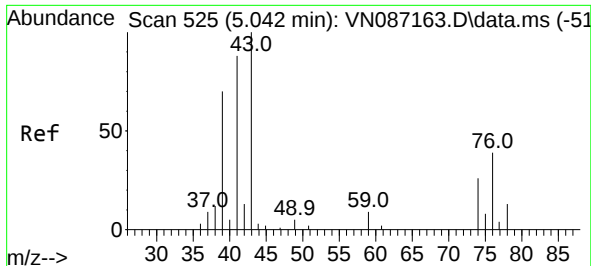
Tgt Ion: 76 Resp: 60559

Ion Ratio Lower Upper

76 100

78 9.2 7.2 10.8





#17

Allyl chloride

Concen: 14.099 ug/l

RT: 5.012 min Scan# 51

Delta R.T. -0.029 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

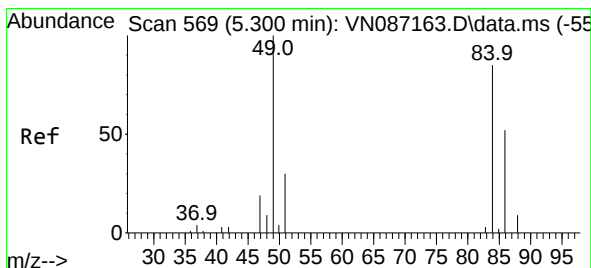
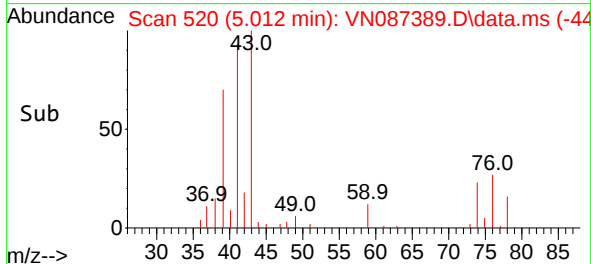
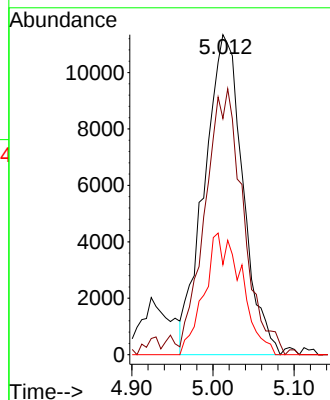
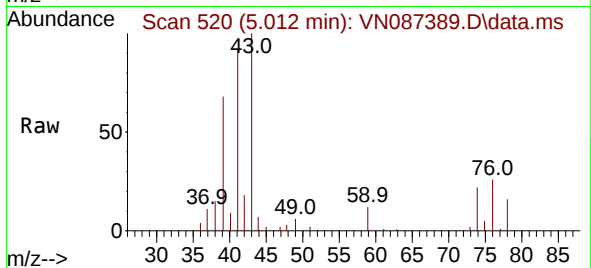
Tgt Ion: 41 Resp: 37285

Ion Ratio Lower Upper

41 100

39 71.3 36.0 108.0

76 28.1 19.5 58.5



#18

Methylene Chloride

Concen: 16.119 ug/l

RT: 5.271 min Scan# 564

Delta R.T. -0.029 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Tgt Ion: 84 Resp: 29941

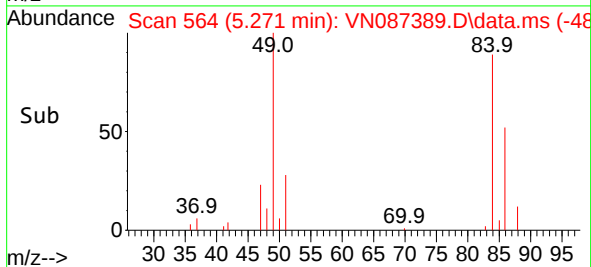
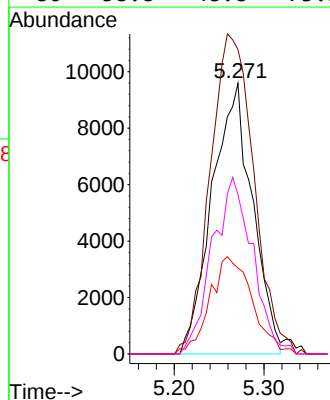
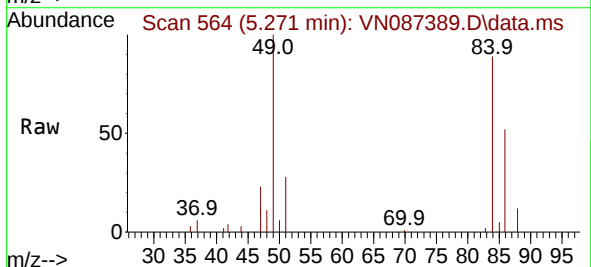
Ion Ratio Lower Upper

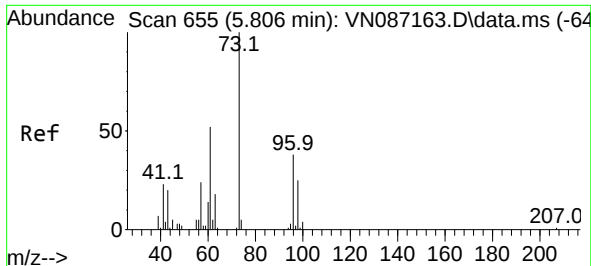
84 100

49 109.0 94.0 141.0

51 30.2 28.3 42.5

86 58.8 48.8 73.2





#19

trans-1,2-Dichloroethene

Concen: 15.268 ug/l

RT: 5.777 min Scan# 61

Delta R.T. -0.029 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

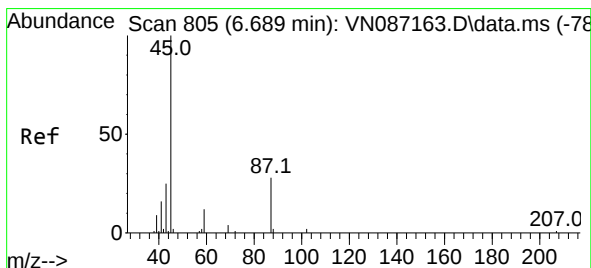
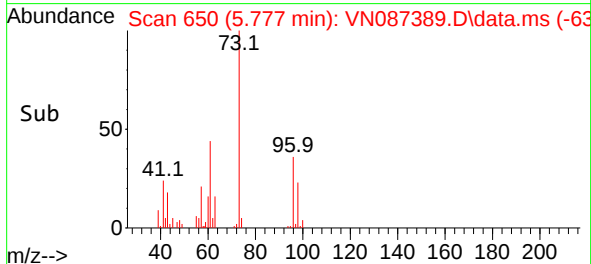
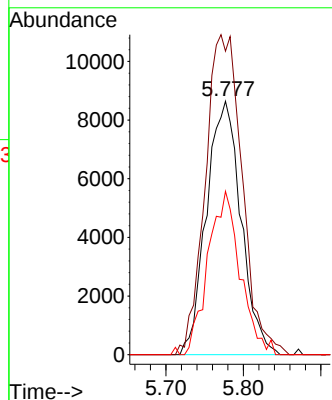
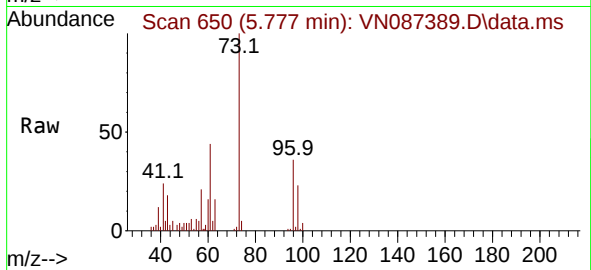
Tgt Ion: 96 Resp: 26771

Ion Ratio Lower Upper

96 100

61 116.2 110.3 165.5

98 64.5 51.6 77.4



#20

Diisopropyl ether

Concen: 16.892 ug/l

RT: 6.659 min Scan# 800

Delta R.T. -0.029 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Tgt Ion: 45 Resp: 94779

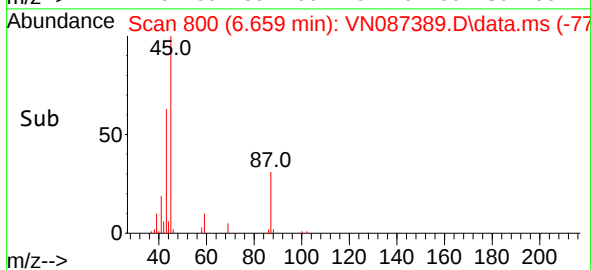
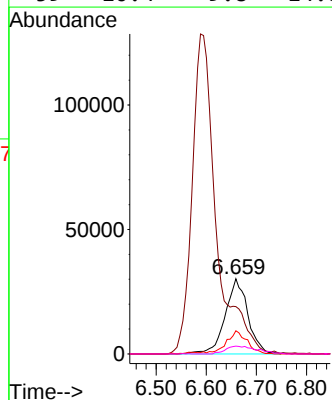
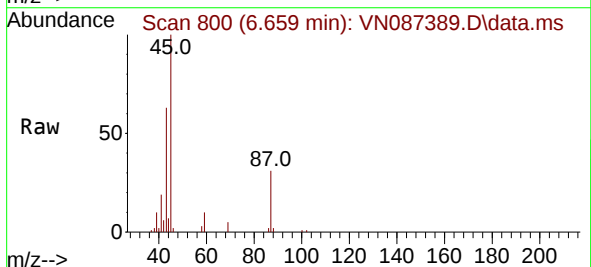
Ion Ratio Lower Upper

45 100

43 61.9 45.3 67.9

87 30.9 22.6 33.8

59 10.4 9.8 14.8





#21

1,1-Dichloroethane

Concen: 16.679 ug/l

RT: 6.553 min Scan# 71

Delta R.T. -0.029 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

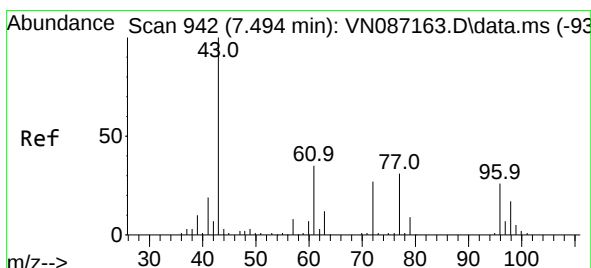
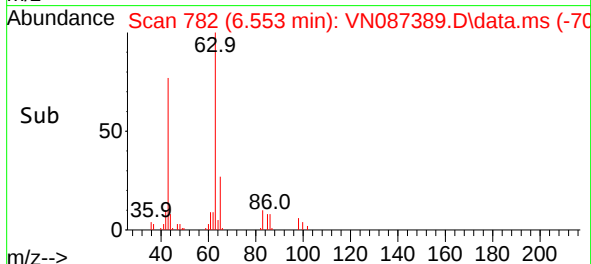
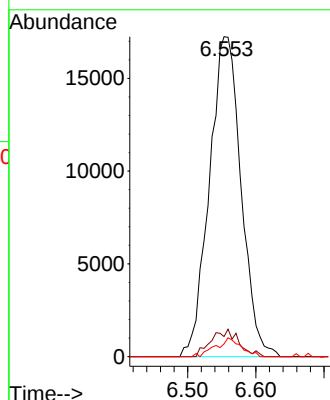
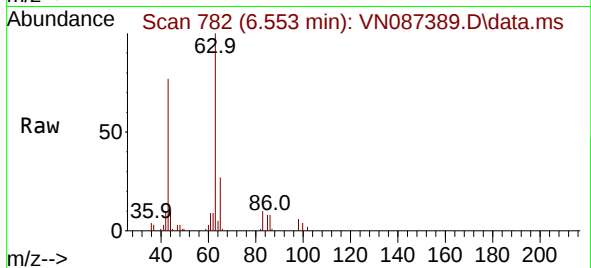
Tgt Ion: 63 Resp: 55933

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

100 4.0 2.0 5.8



#22

cis-1,2-Dichloroethene

Concen: 15.741 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.023 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

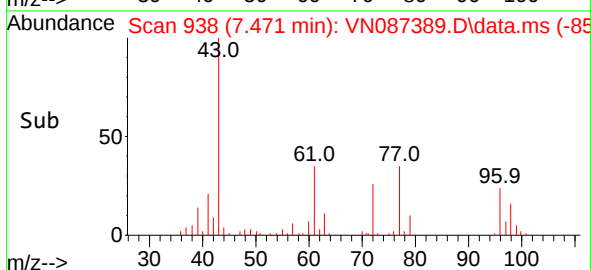
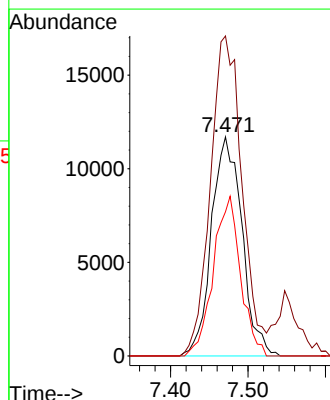
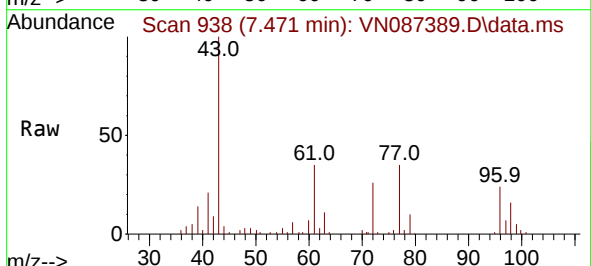
Tgt Ion: 96 Resp: 32124

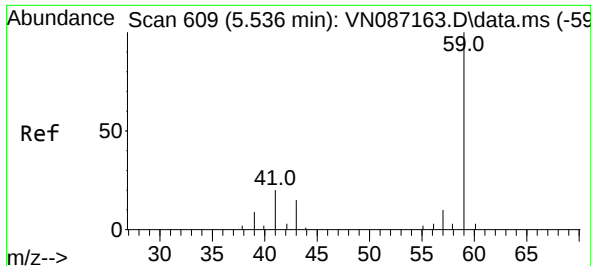
Ion Ratio Lower Upper

96 100

61 150.9 119.2 178.8

98 64.9 50.6 75.8

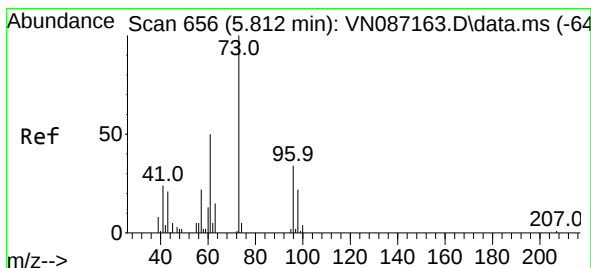
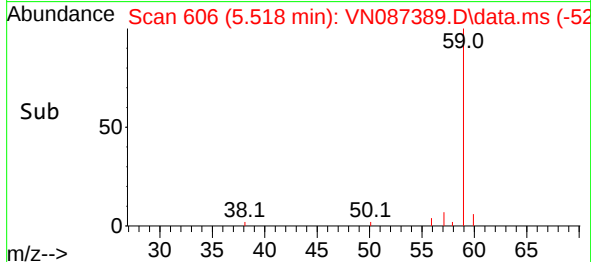
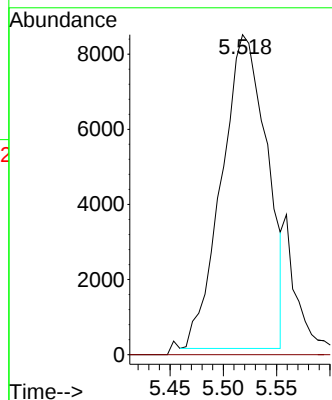
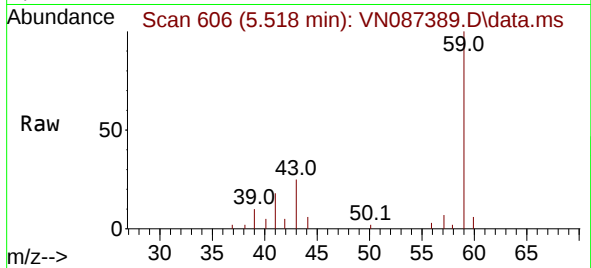




#23
tert-Butyl Alcohol
Concen: 56.120 ug/l
RT: 5.518 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

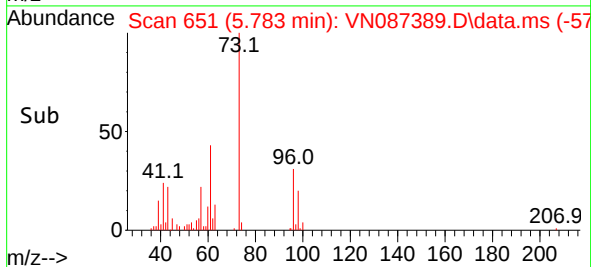
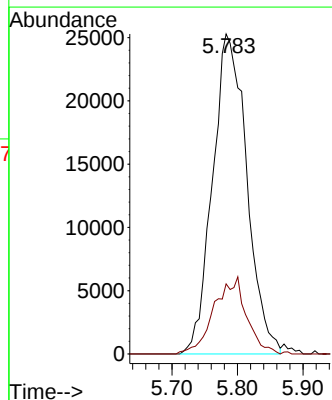
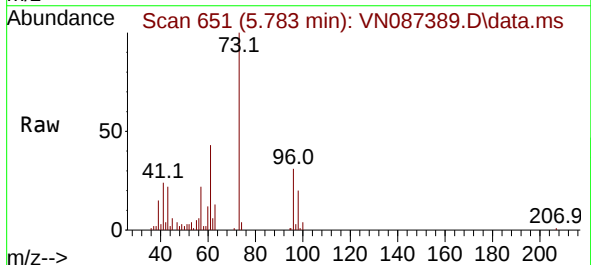
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

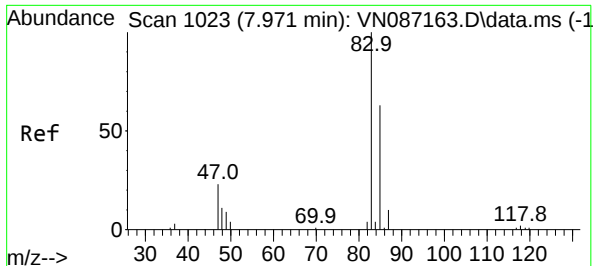
Tgt Ion: 59 Resp: 24759
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 16.310 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.029 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 73 Resp: 91721
Ion Ratio Lower Upper
73 100
43 4.1 16.4 24.6#





#25

Chloroform

Concen: 18.840 ug/l

RT: 7.953 min Scan# 1068

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

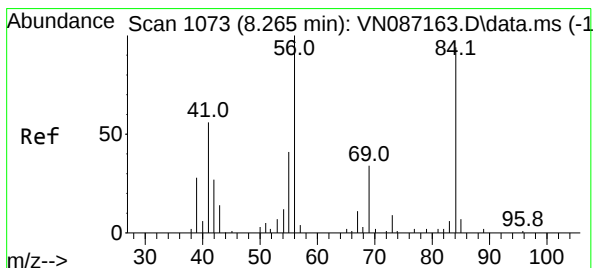
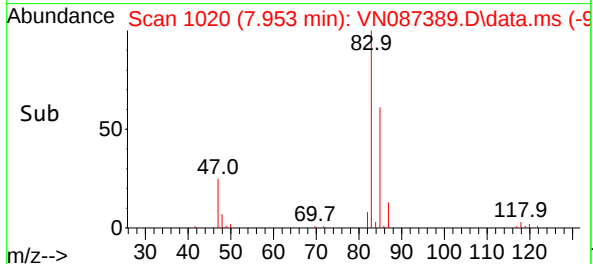
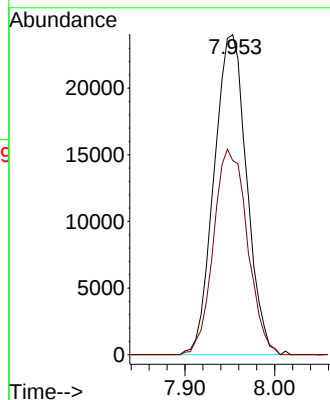
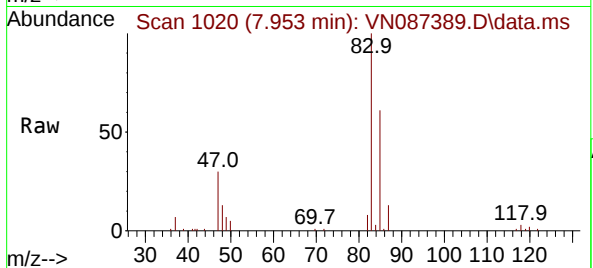
VSTDCCC020

Tgt Ion: 83 Resp: 60528

Ion Ratio Lower Upper

83 100

85 60.7 50.7 76.1



#26

Cyclohexane

Concen: 11.924 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.029 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

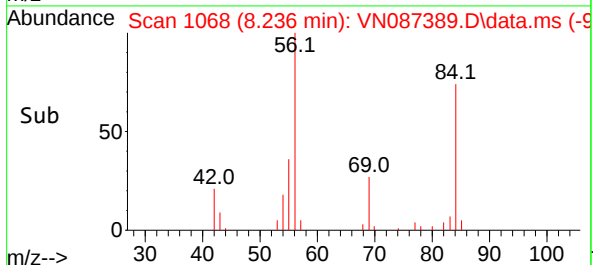
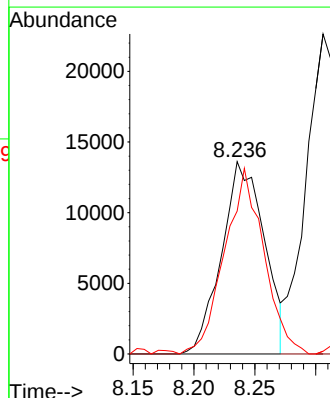
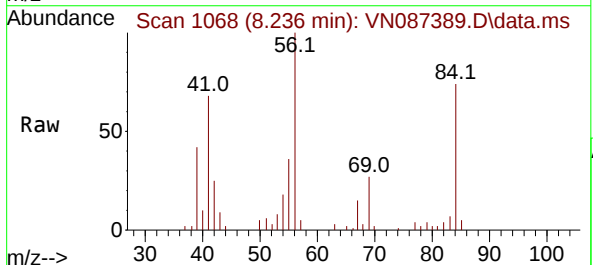
Tgt Ion: 56 Resp: 33237

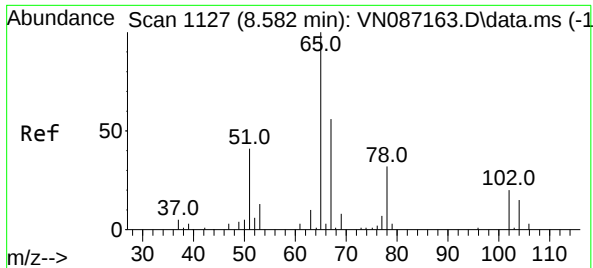
Ion Ratio Lower Upper

56 100

89 0.0 6.9 10.3#

84 88.5 69.1 103.7

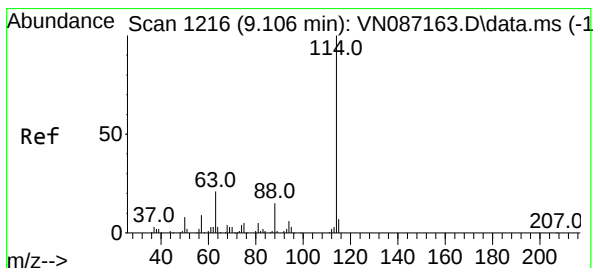
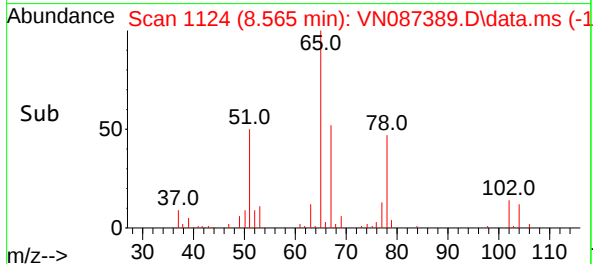
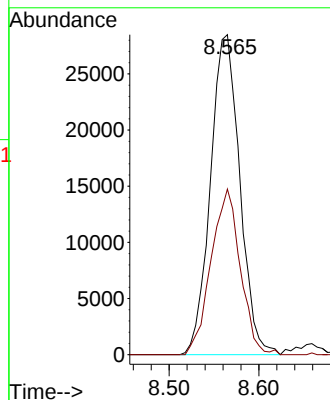
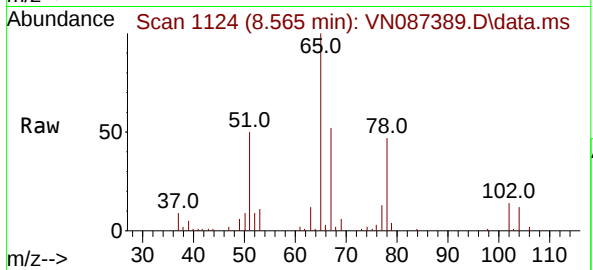




#27
 1,2-Dichloroethane-d4
 Concen: 32.498 ug/l
 RT: 8.565 min Scan# 1124
 Delta R.T. -0.018 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

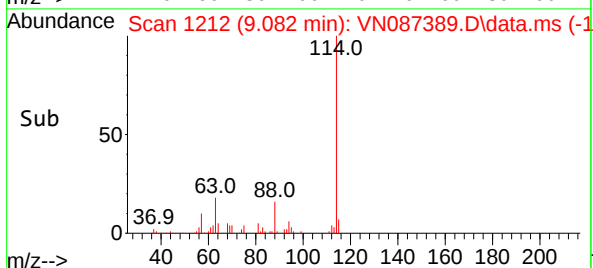
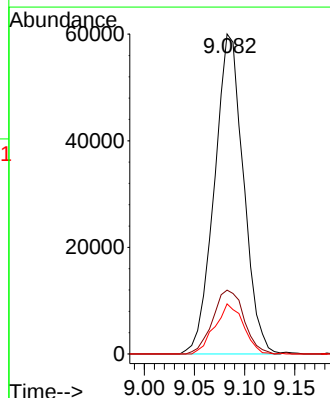
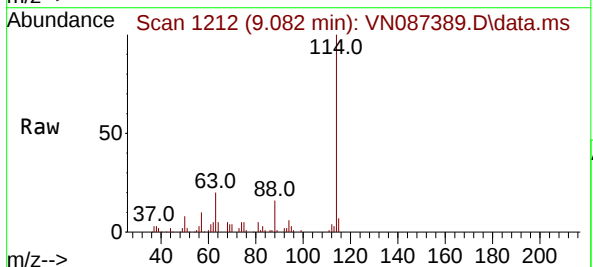
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

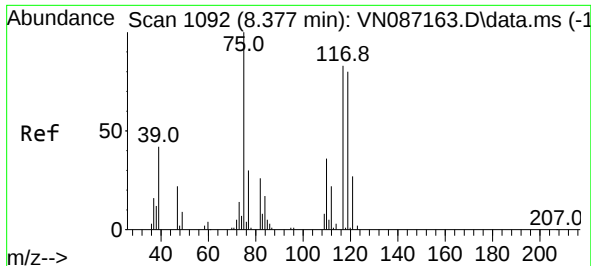
Tgt Ion: 65 Resp: 64812
 Ion Ratio Lower Upper
 65 100
 67 51.3 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.082 min Scan# 1212
 Delta R.T. -0.023 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

Tgt Ion: 114 Resp: 120974
 Ion Ratio Lower Upper
 114 100
 63 21.4 17.0 25.4
 88 15.4 12.6 19.0





#29

1,1-Dichloropropene

Concen: 17.646 ug/l

RT: 8.359 min Scan# 1089

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

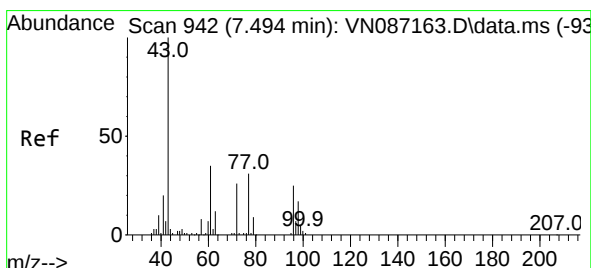
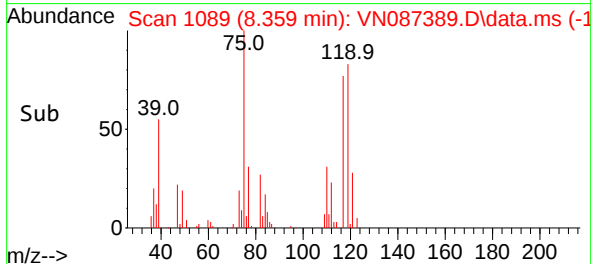
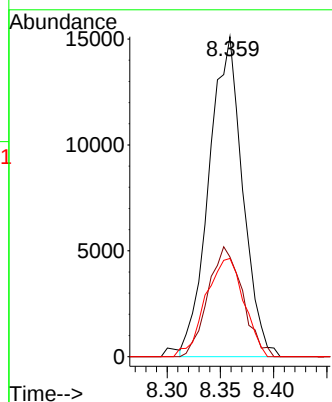
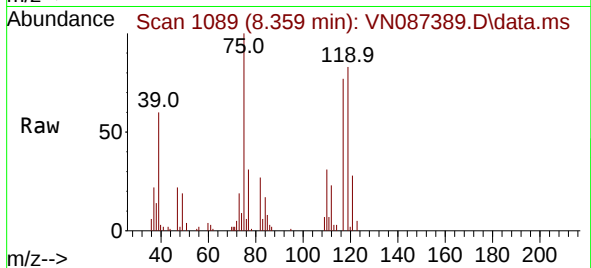
Tgt Ion: 75 Resp: 33273

Ion Ratio Lower Upper

75 100

110 35.2 0.0 69.2

77 34.8 0.0 61.8



#30

2-Butanone

Concen: 100.646 ug/l

RT: 7.471 min Scan# 938

Delta R.T. -0.023 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

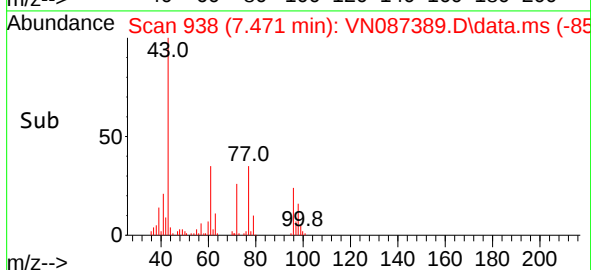
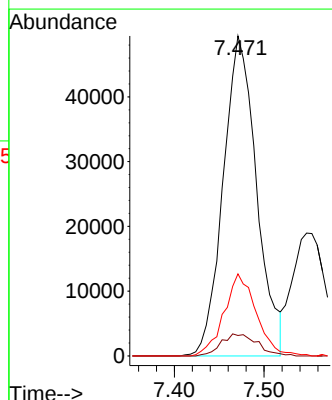
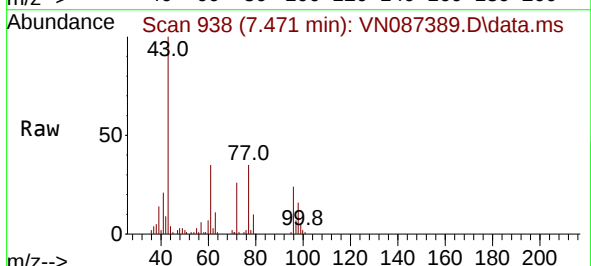
Tgt Ion: 43 Resp: 128013

Ion Ratio Lower Upper

43 100

57 7.4 6.3 9.5

72 24.7 21.8 32.6





#31

2,2-Dichloropropane

Concen: 20.654 ug/l

RT: 7.471 min Scan# 91

Delta R.T. -0.029 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

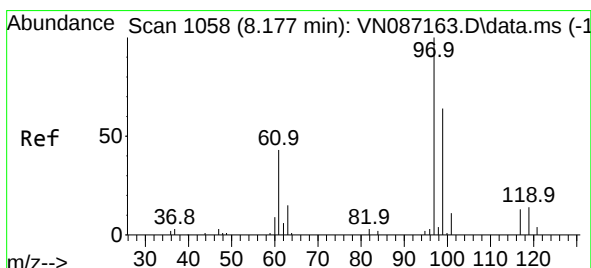
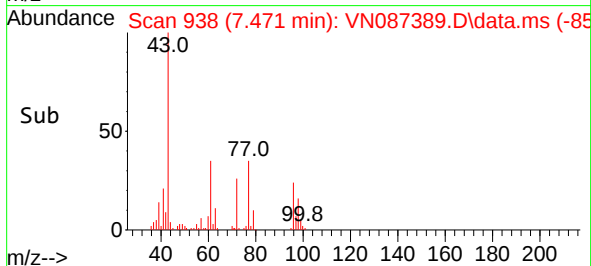
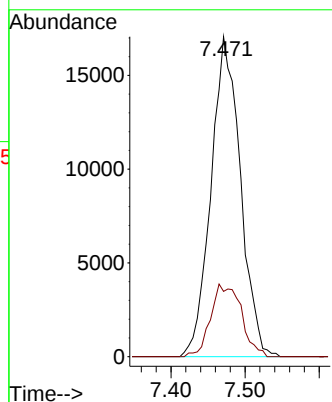
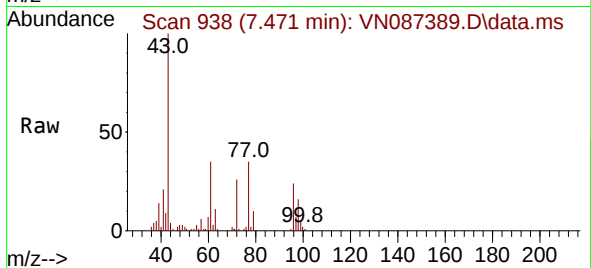
VSTDCCC020

Tgt Ion: 77 Resp: 47011

Ion Ratio Lower Upper

77 100

97 9.9 18.4 27.6#



#32

1,1,1-Trichloroethane

Concen: 22.970 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.023 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

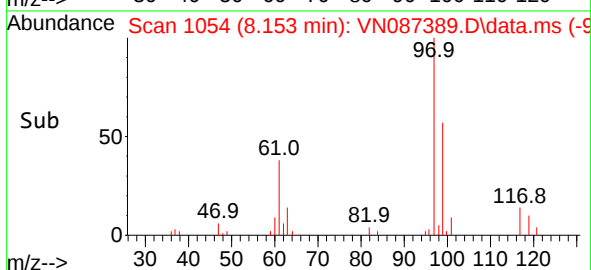
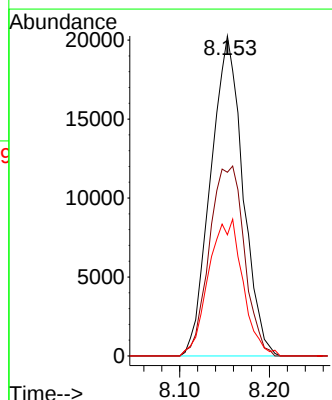
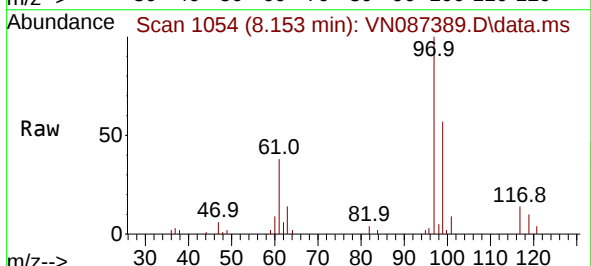
Tgt Ion: 97 Resp: 50600

Ion Ratio Lower Upper

97 100

99 64.4 50.8 76.2

61 27.3 36.1 54.1#

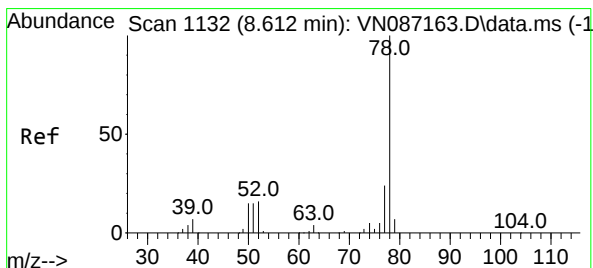
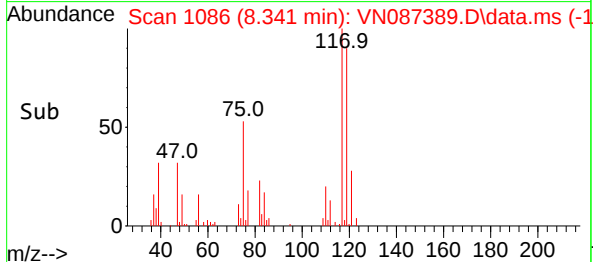
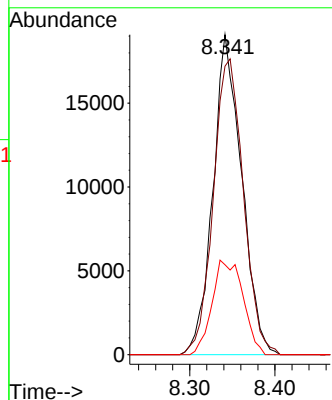
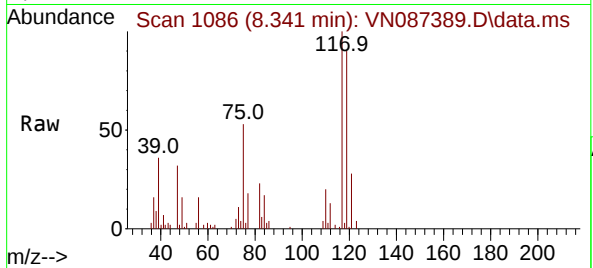




#33
Carbon Tetrachloride
Concen: 24.091 ug/l
RT: 8.341 min Scan# 1107
Delta R.T. -0.029 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

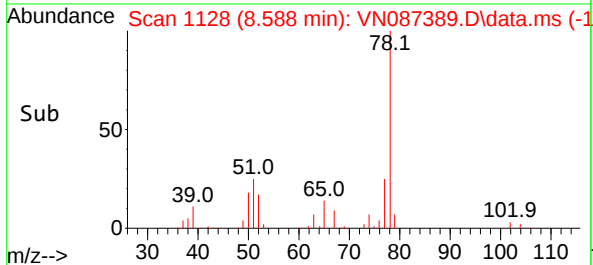
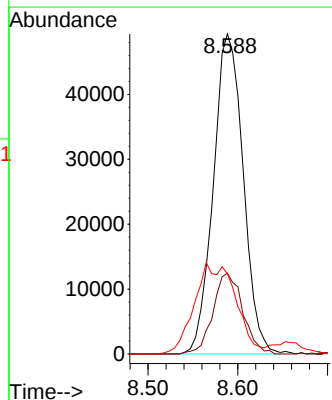
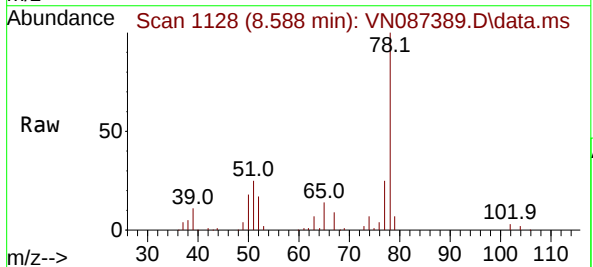
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

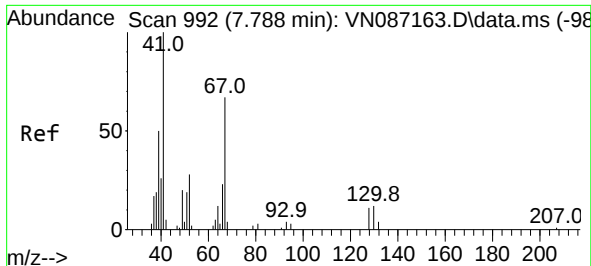
Tgt Ion:117 Resp: 44660
Ion Ratio Lower Upper
117 100
119 90.2 75.8 113.6
121 28.1 26.2 39.4



#34
Benzene
Concen: 19.070 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 78 Resp: 113915
Ion Ratio Lower Upper
78 100
77 25.3 19.5 29.3
51 22.2 14.8 22.2#

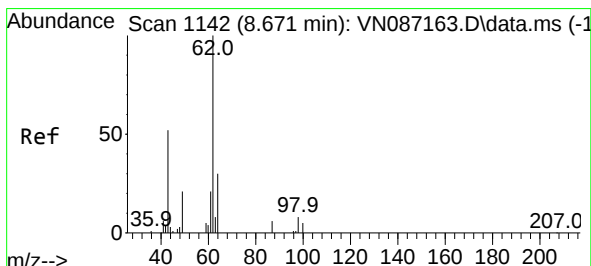
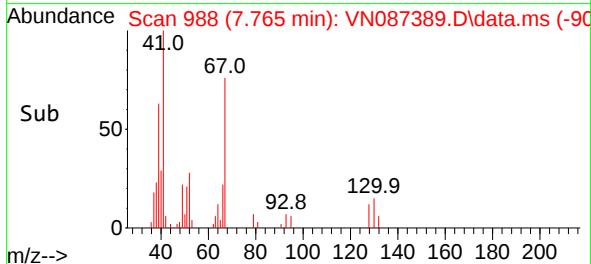
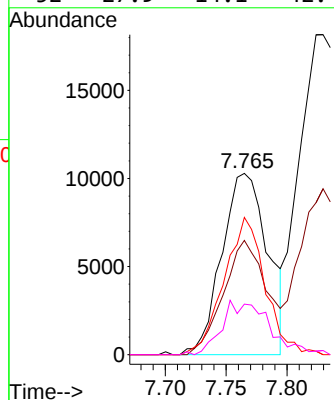
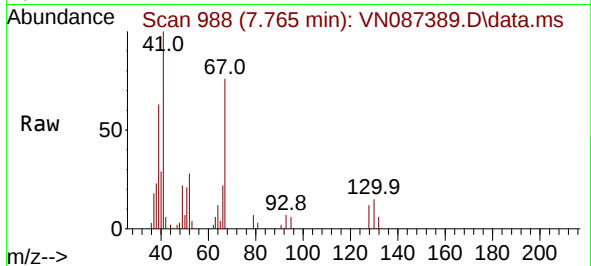




#35
Methacrylonitrile
Concen: 21.100 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

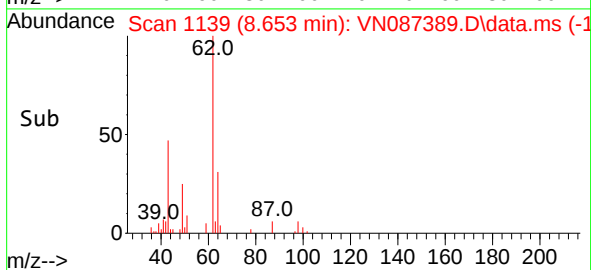
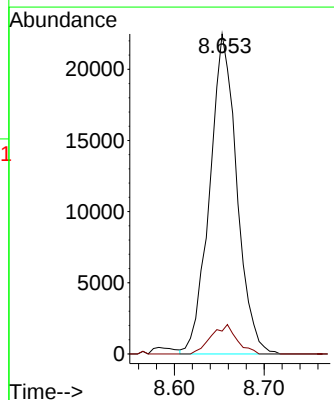
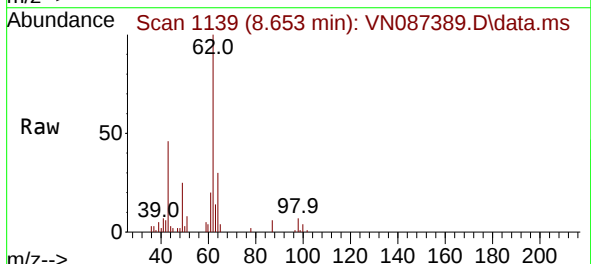
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

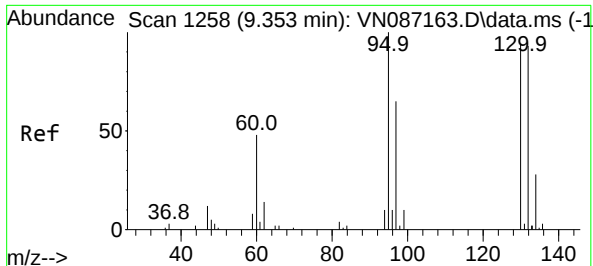
Tgt Ion:	41	Resp:	27046
Ion	Ratio	Lower	Upper
41	100		
39	63.0	24.4	73.2
67	75.7	33.3	99.8
52	27.9	14.1	42.4



#36
1,2-Dichloroethane
Concen: 24.479 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion:	62	Resp:	47245
Ion	Ratio	Lower	Upper
62	100		
98	8.6	7.2	10.8





#37

Trichloroethene

Concen: 19.679 ug/l

RT: 9.335 min Scan# 11

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

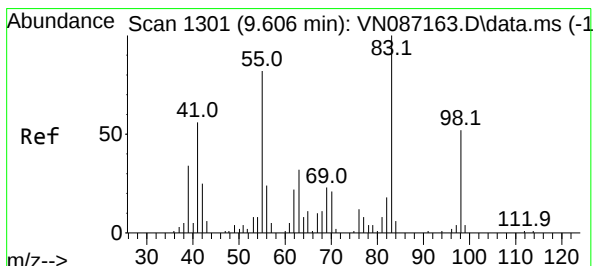
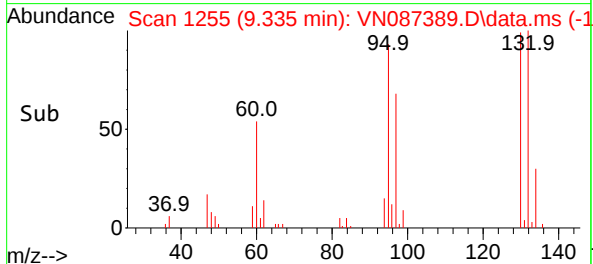
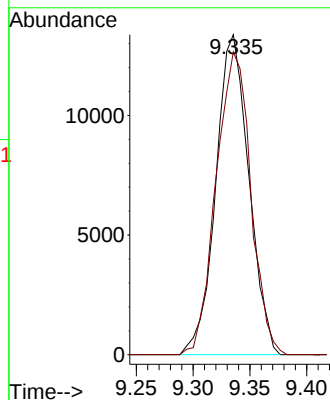
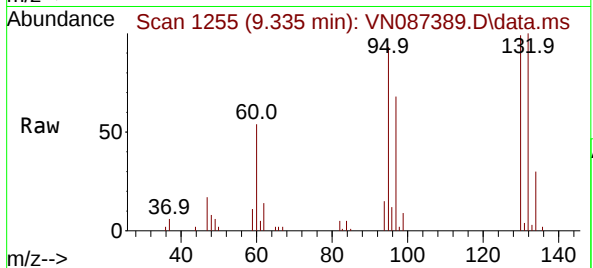
VSTDCCC020

Tgt Ion:130 Resp: 27114

Ion Ratio Lower Upper

130 100

95 94.6 85.3 127.9



#38

Methylcyclohexane

Concen: 15.052 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.023 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

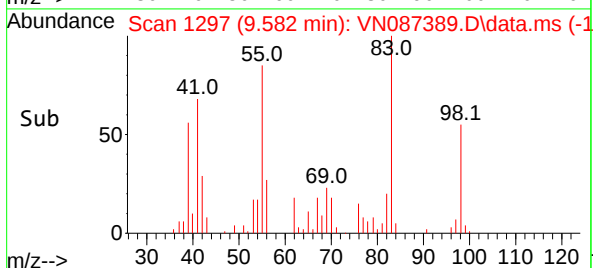
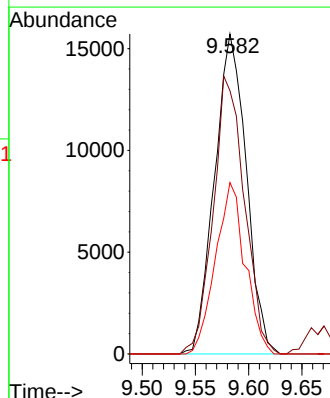
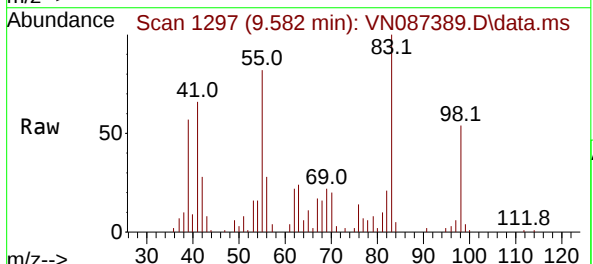
Tgt Ion: 83 Resp: 32565

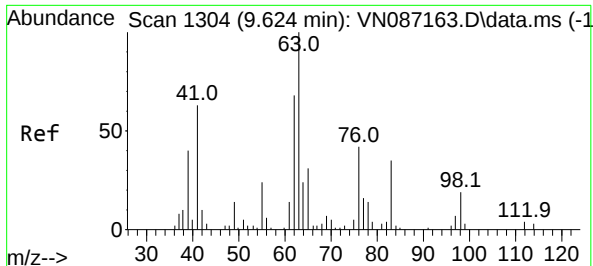
Ion Ratio Lower Upper

83 100

55 85.5 40.1 120.2

98 50.2 24.4 73.2





#39

1,2-Dichloropropane

Concen: 20.700 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.023 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

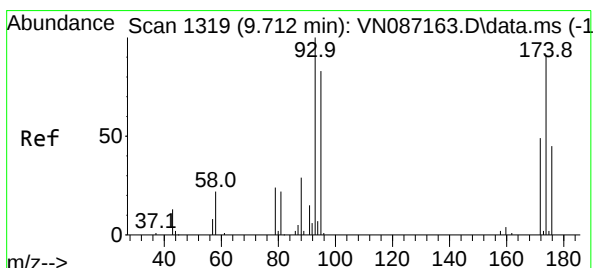
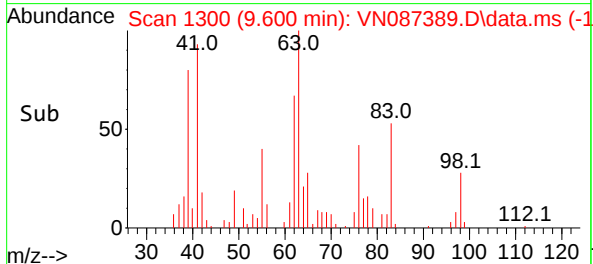
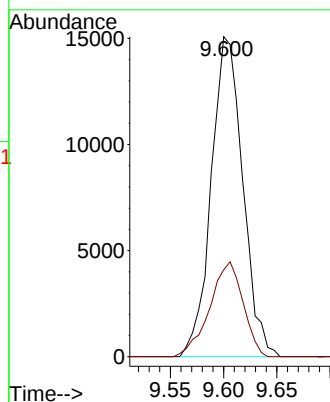
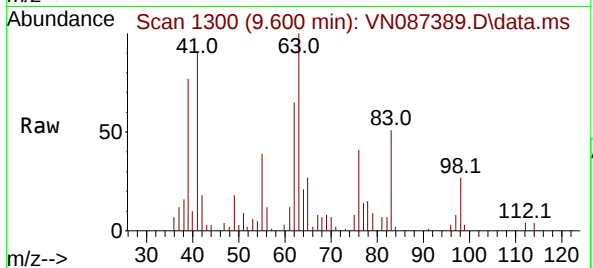
VSTDCCC020

Tgt Ion: 63 Resp: 31036

Ion Ratio Lower Upper

63 100

65 27.2 24.6 36.8



#40

Dibromomethane

Concen: 24.304 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.023 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

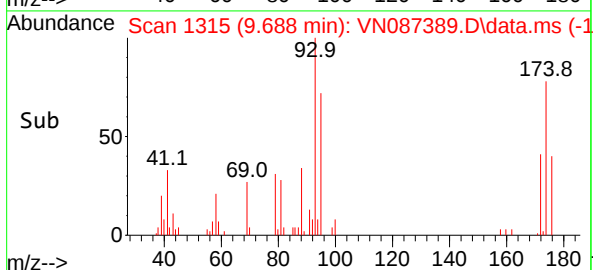
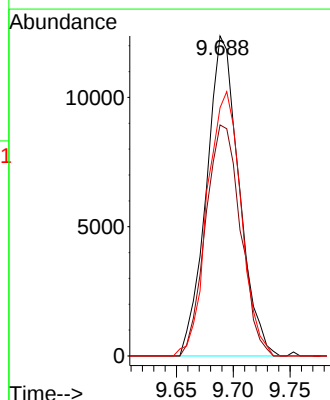
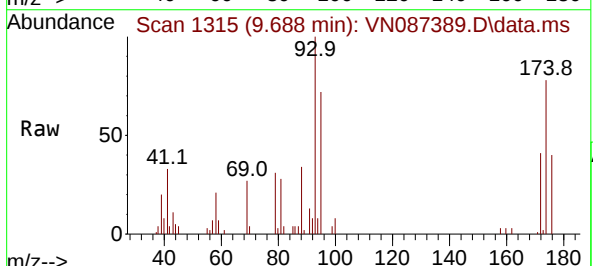
Tgt Ion: 93 Resp: 24778

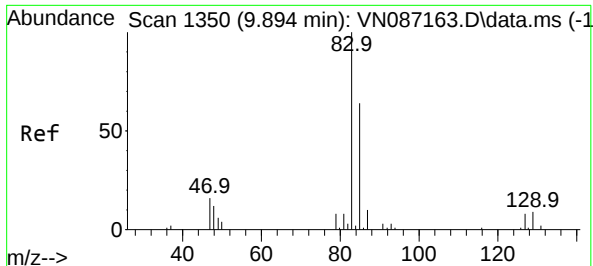
Ion Ratio Lower Upper

93 100

95 77.1 0.0 170.8

174 85.3 0.0 176.6

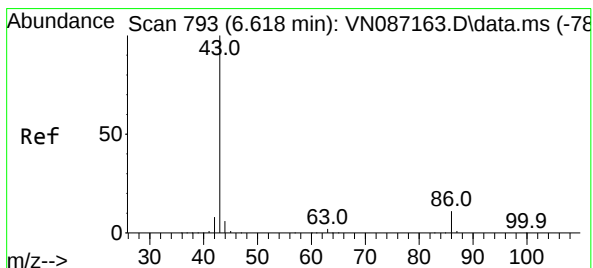
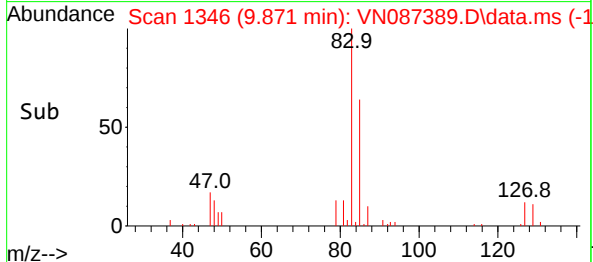
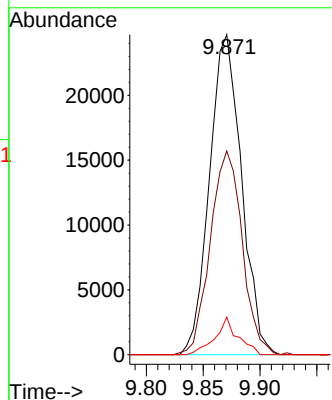
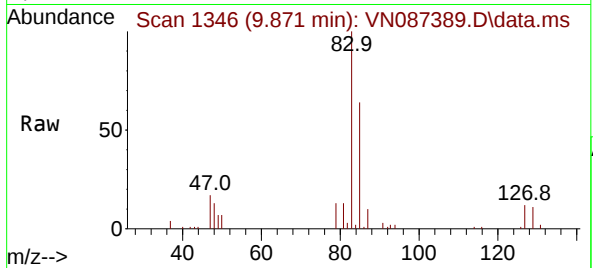




#41
Bromodichloromethane
Concen: 23.519 ug/l
RT: 9.871 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

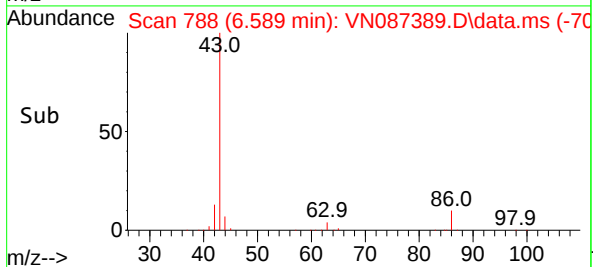
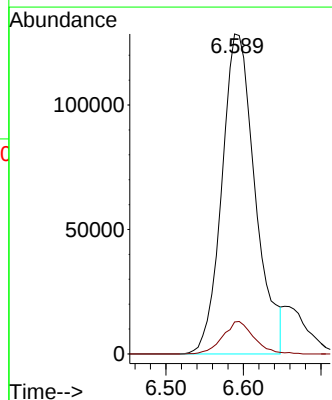
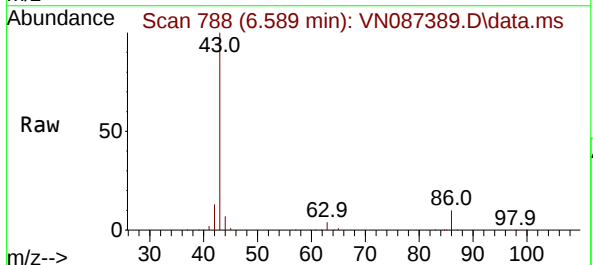
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 48397
Ion Ratio Lower Upper
83 100
85 63.6 51.4 77.2
127 11.8 6.1 9.1#



#42
Vinyl Acetate
Concen: 92.977 ug/l
RT: 6.589 min Scan# 788
Delta R.T. -0.029 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 43 Resp: 384638
Ion Ratio Lower Upper
43 100
86 9.5 7.7 11.5

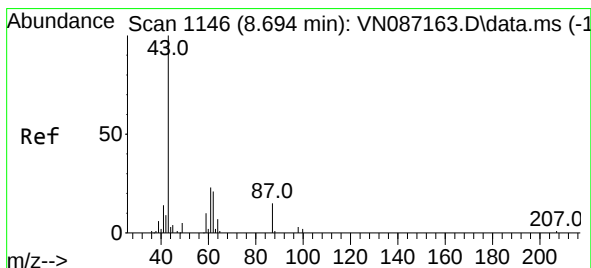
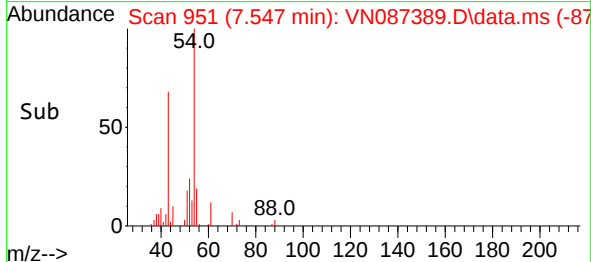
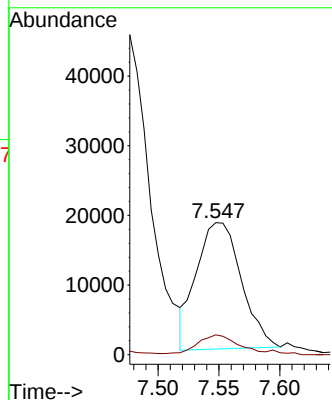
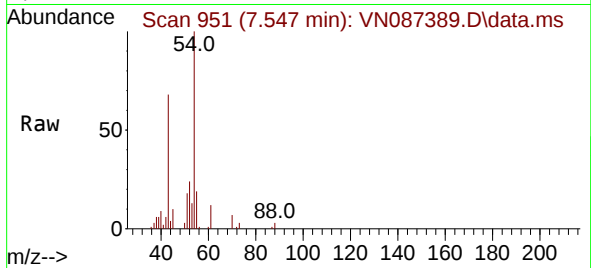




#43
Ethyl Acetate
Concen: 20.288 ug/l
RT: 7.547 min Scan# 91
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

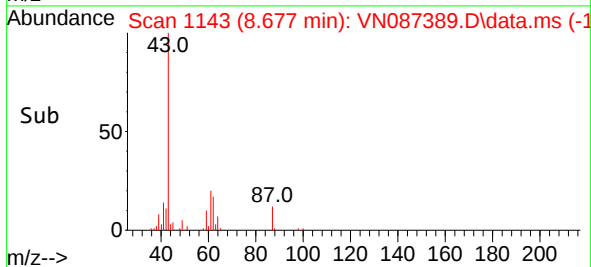
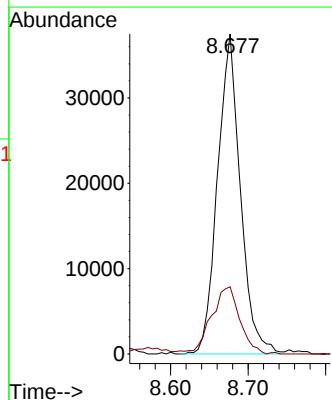
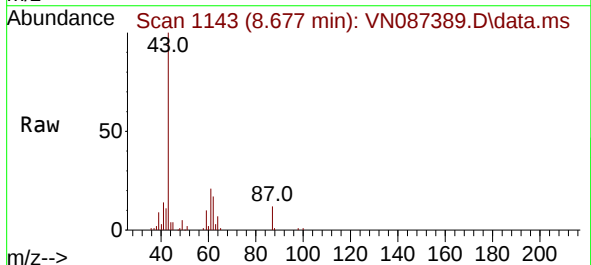
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

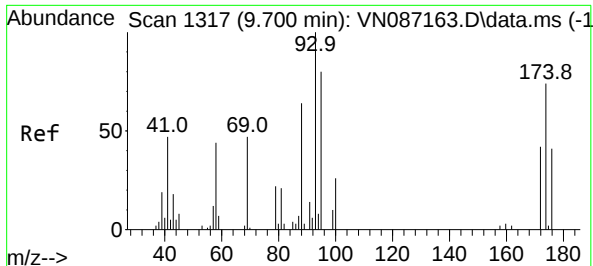
Tgt Ion: 43 Resp: 46582
Ion Ratio Lower Upper
43 100
45 14.3 11.5 17.3



#44
Isopropyl Acetate
Concen: 20.539 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 43 Resp: 76835
Ion Ratio Lower Upper
43 100
61 25.6 20.5 30.7





#45

1,4-Dioxane

Concen: 337.390 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.012 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

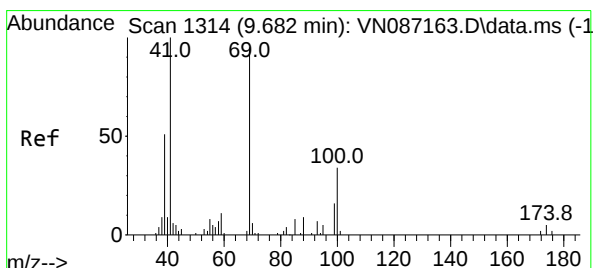
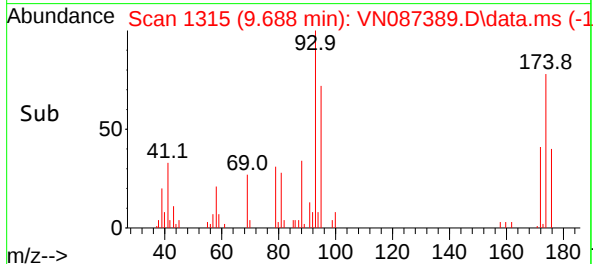
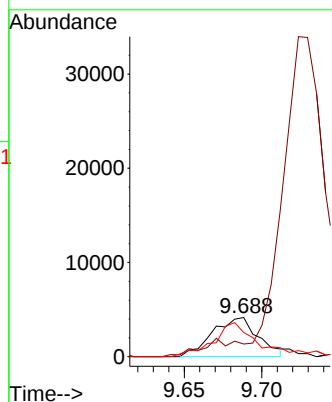
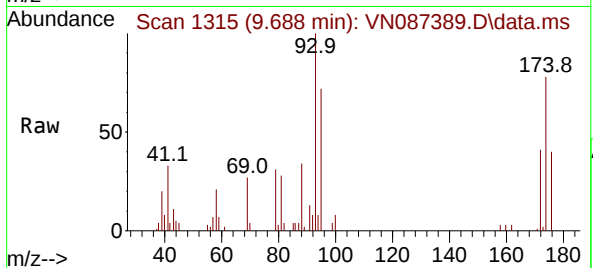
Tgt Ion: 88 Resp: 8538

Ion Ratio Lower Upper

88 100

43 12.4 21.3 31.9#

58 69.4 61.7 92.5



#46

Methyl methacrylate

Concen: 20.355 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

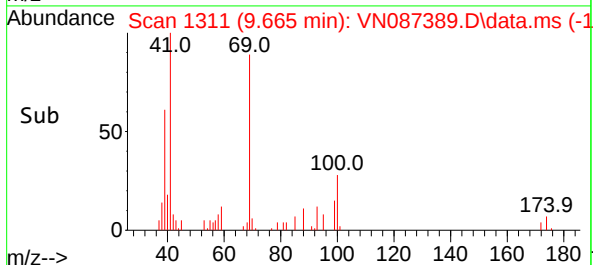
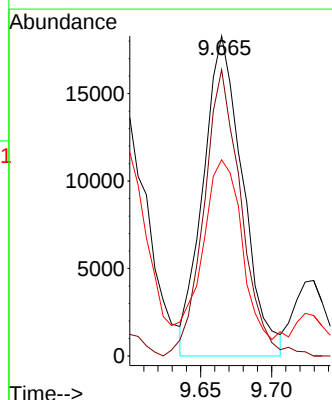
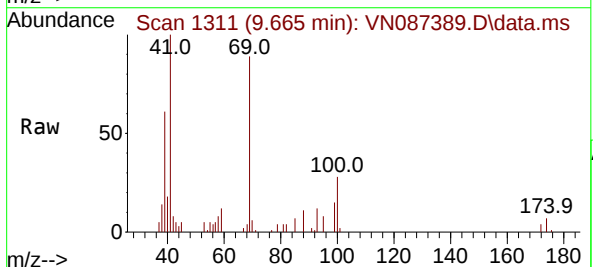
Tgt Ion: 41 Resp: 35399

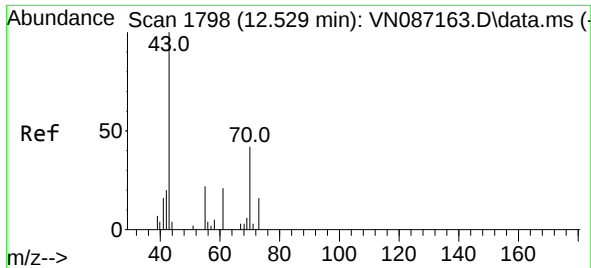
Ion Ratio Lower Upper

41 100

69 93.8 45.6 136.9

39 57.6 26.2 78.5





#47

n-amy1 Acetate

Concen: 1.802 ug/l

RT: 12.523 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

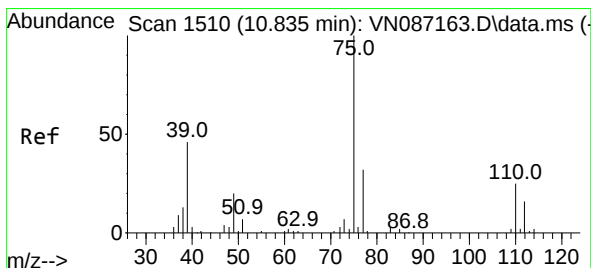
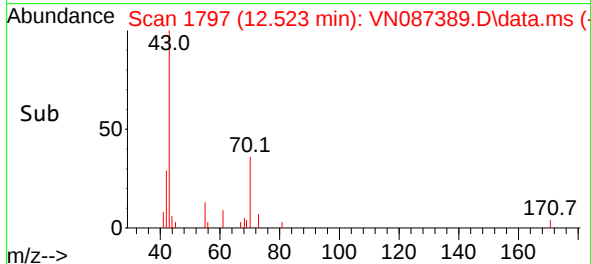
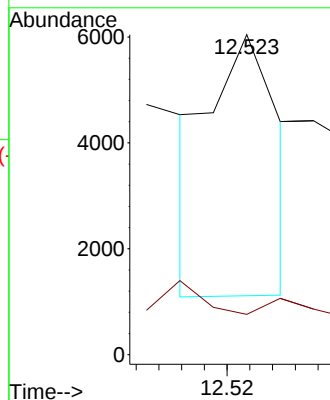
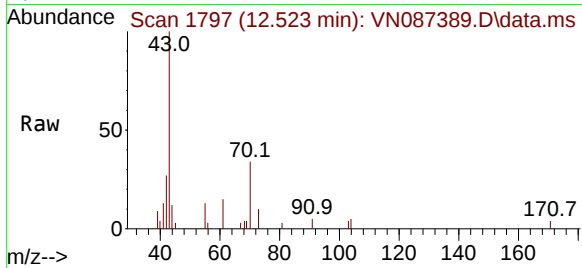
VSTDCCC020

Tgt Ion: 43 Resp: 4122

Ion Ratio Lower Upper

43 100

55 25.6 0.0 0.0#



#48

t-1,3-Dichloropropene

Concen: 20.677 ug/l

RT: 10.818 min Scan# 1507

Delta R.T. -0.018 min

Lab File: VN087389.D

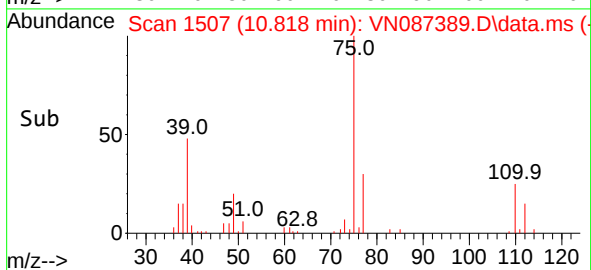
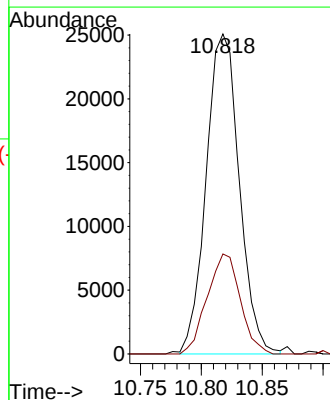
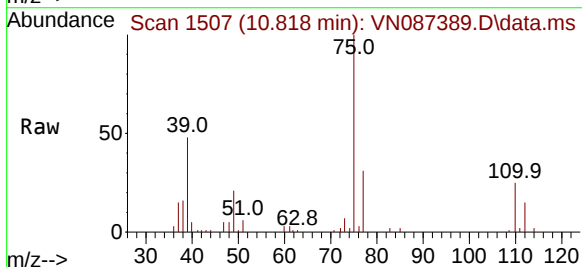
Acq: 22 Jul 2025 14:03

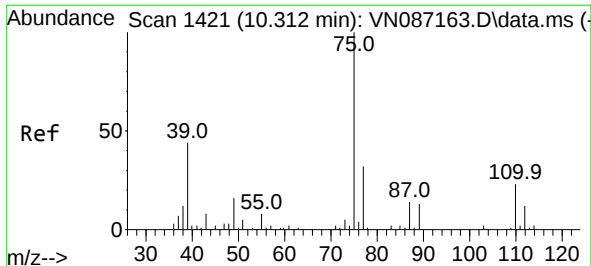
Tgt Ion: 75 Resp: 47433

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 19.966 ug/l

RT: 10.294 min Scan# 14

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

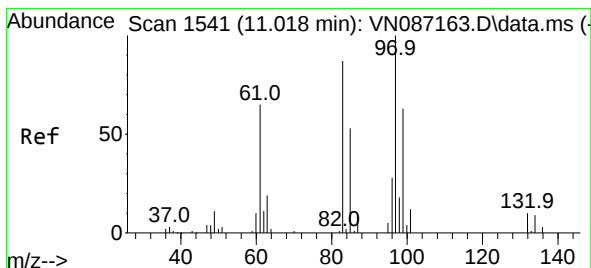
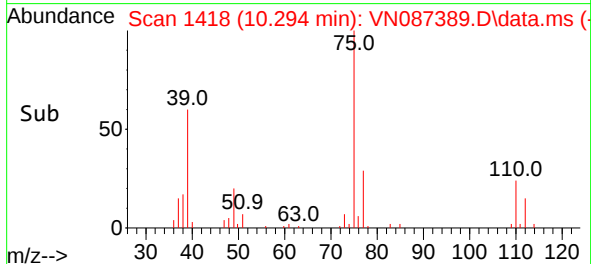
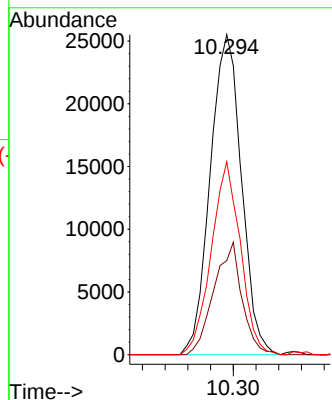
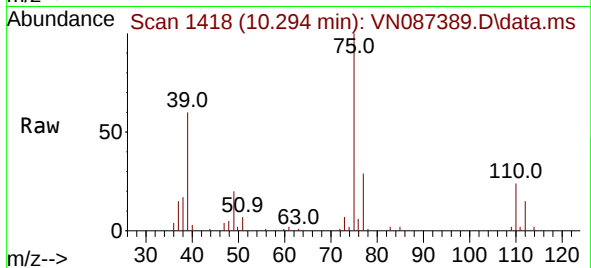
Tgt Ion: 75 Resp: 48692

Ion Ratio Lower Upper

75 100

77 29.4 25.4 38.2

39 60.3 35.3 52.9#



#50

1,1,2-Trichloroethane

Concen: 22.348 ug/l

RT: 11.000 min Scan# 1538

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Tgt Ion: 97 Resp: 32365

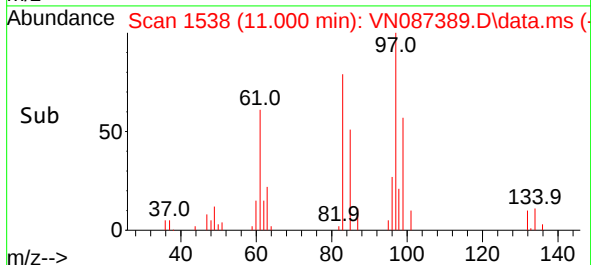
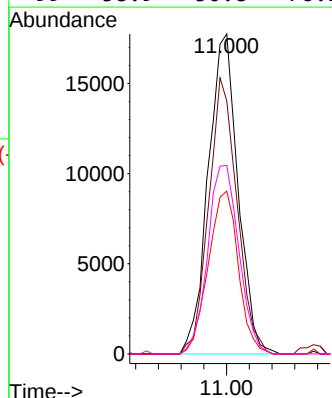
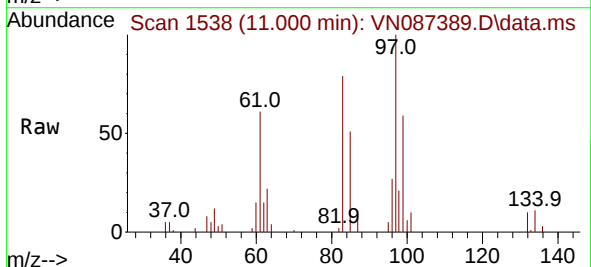
Ion Ratio Lower Upper

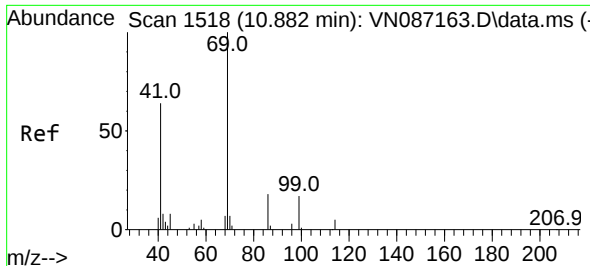
97 100

83 79.2 69.6 104.4

85 50.9 42.0 63.0

99 58.9 50.8 76.2

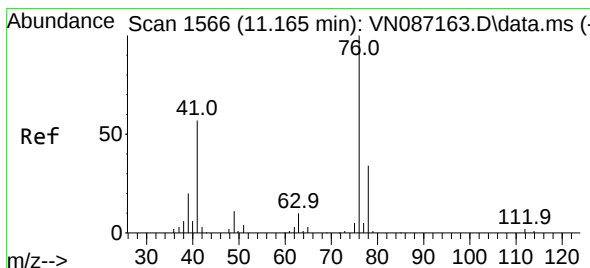
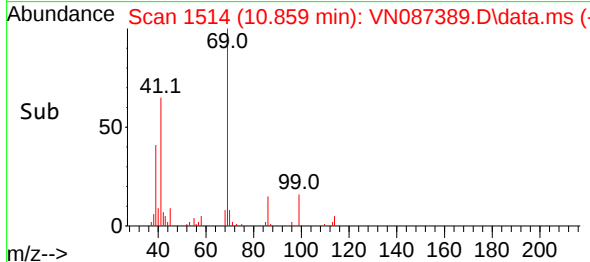
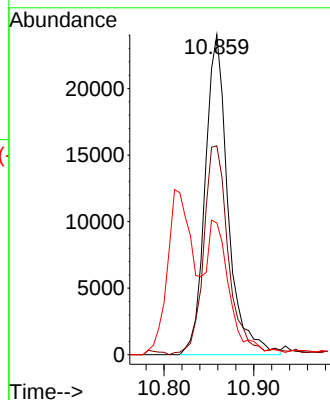
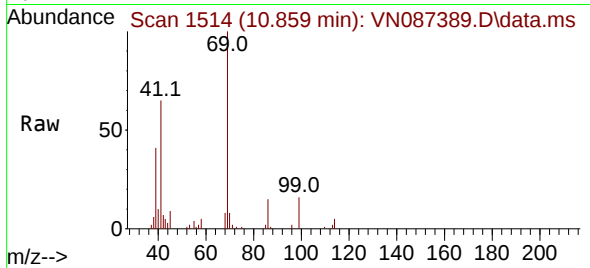




#51
 Ethyl methacrylate
 Concen: 19.370 ug/l
 RT: 10.859 min Scan# 1514
 Delta R.T. -0.023 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

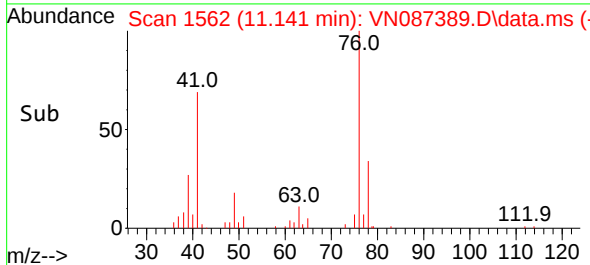
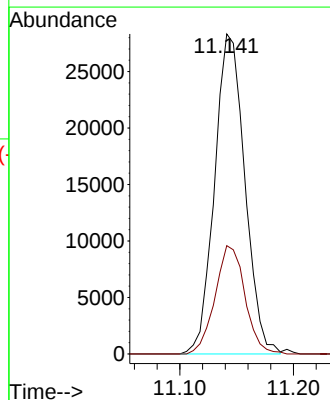
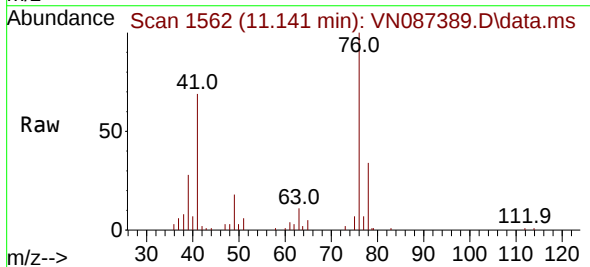
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

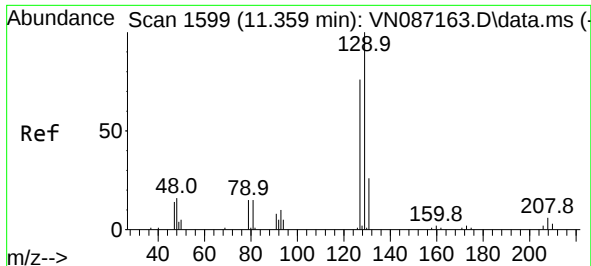
Tgt Ion: 69 Resp: 42695
 Ion Ratio Lower Upper
 69 100
 41 64.4 31.8 95.3
 39 40.0 15.3 45.8



#52
 1,3-Dichloropropane
 Concen: 21.083 ug/l
 RT: 11.141 min Scan# 1562
 Delta R.T. -0.023 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

Tgt Ion: 76 Resp: 52417
 Ion Ratio Lower Upper
 76 100
 78 33.4 0.0 63.0

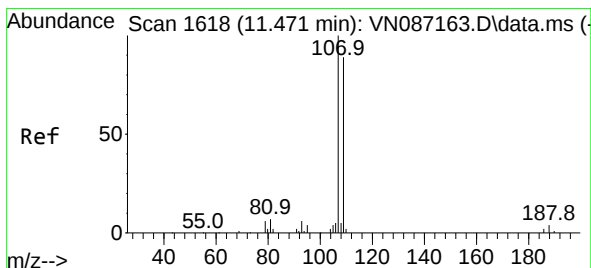
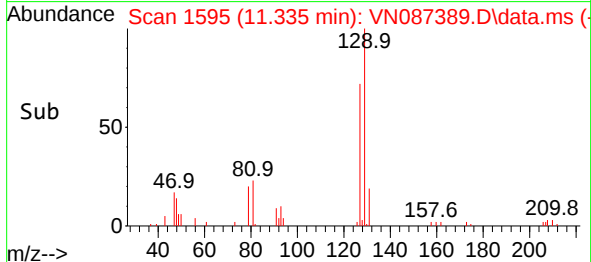
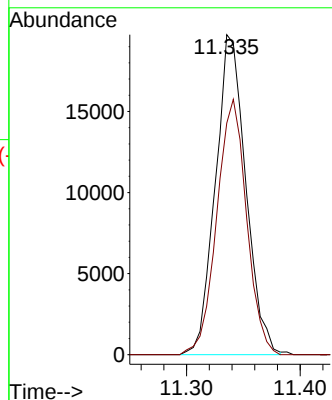
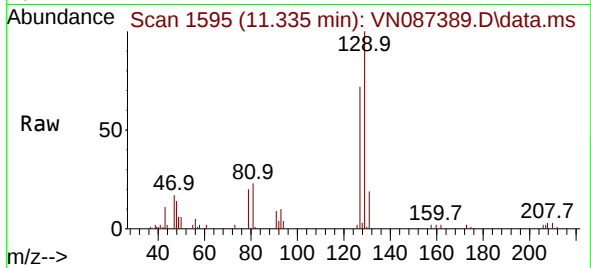




#53
Dibromochloromethane
Concen: 24.115 ug/l
RT: 11.335 min Scan# 1595
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

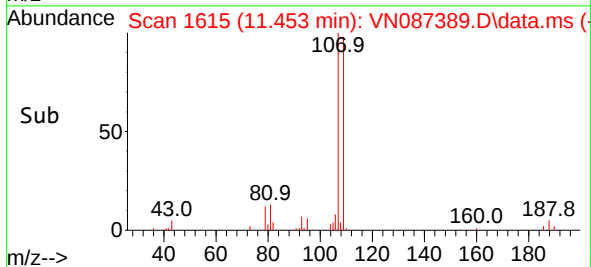
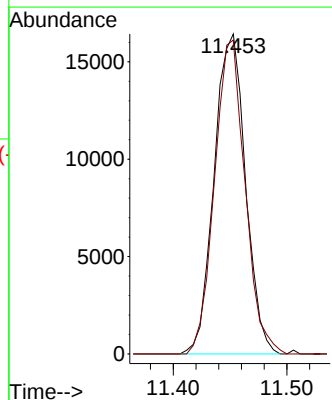
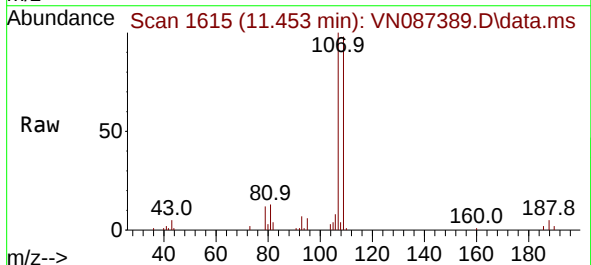
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

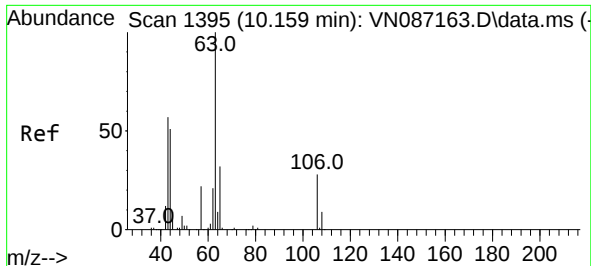
Tgt Ion:129 Resp: 36659
Ion Ratio Lower Upper
129 100
127 78.2 39.6 118.8



#54
1,2-Dibromoethane
Concen: 21.088 ug/l
RT: 11.453 min Scan# 1615
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion:107 Resp: 31508
Ion Ratio Lower Upper
107 100
109 95.6 73.5 110.3

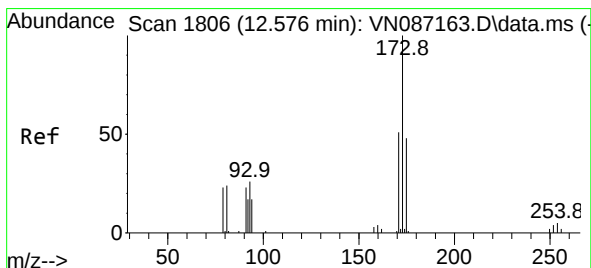
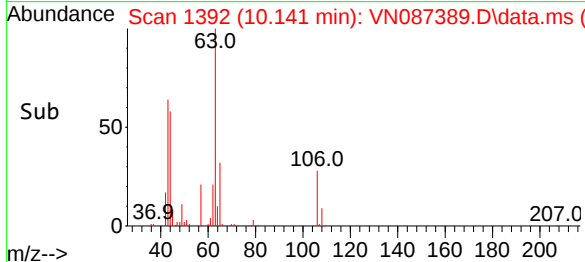
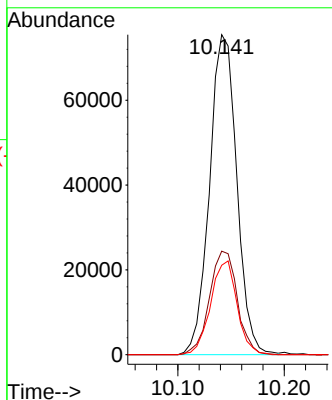
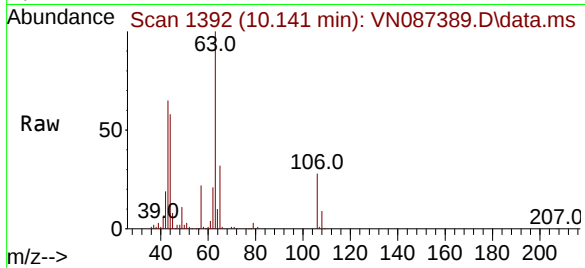




#55
2-Chloroethyl vinyl ether
Concen: 106.194 ug/l
RT: 10.141 min Scan# 1392
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

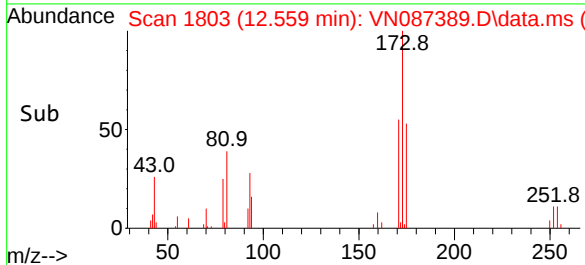
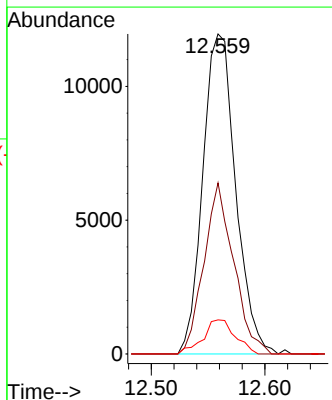
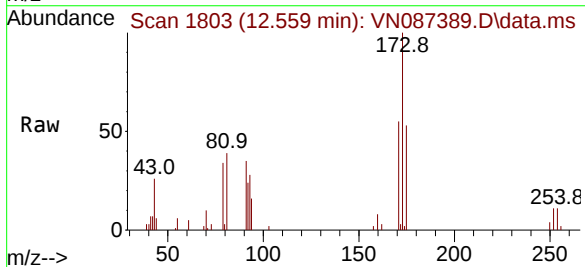
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

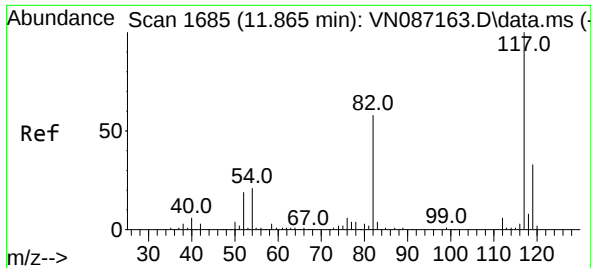
Tgt Ion: 63 Resp: 134170
Ion Ratio Lower Upper
63 100
65 33.0 25.6 38.4
106 28.4 21.9 32.9



#56
Bromoform
Concen: 22.967 ug/l
RT: 12.559 min Scan# 1803
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion:173 Resp: 24001
Ion Ratio Lower Upper
173 100
175 48.4 38.7 58.1
254 10.4 4.2 6.4#

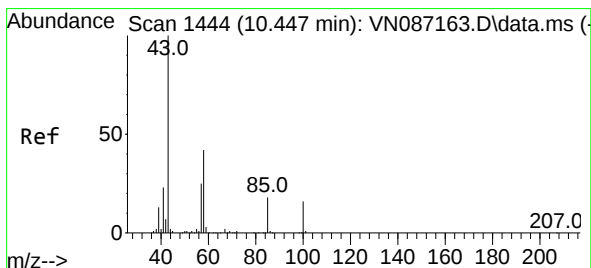
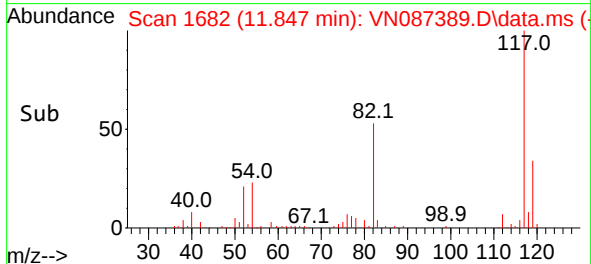
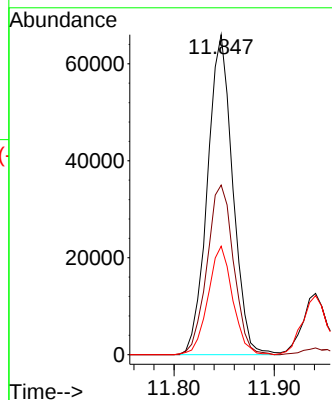
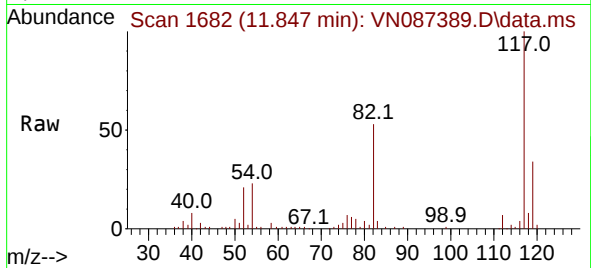




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

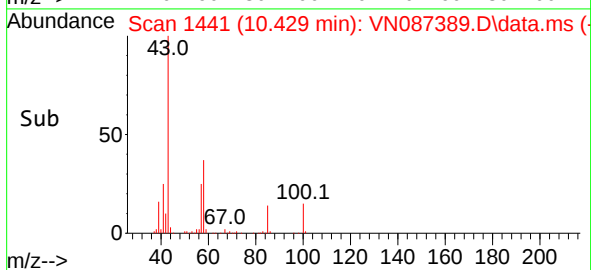
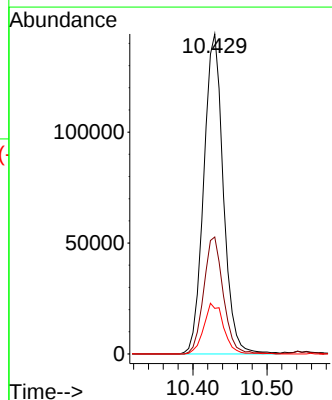
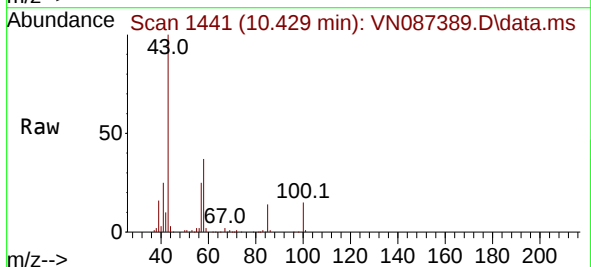
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

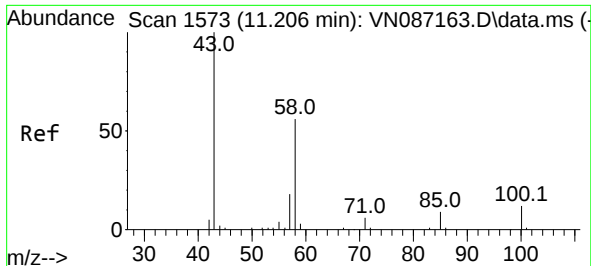
Tgt Ion:117 Resp: 115930
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.2
119 32.9 26.2 39.4



#58
4-Methyl-2-Pentanone
Concen: 113.711 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 43 Resp: 265017
Ion Ratio Lower Upper
43 100
58 36.5 32.6 49.0
85 16.0 14.6 22.0

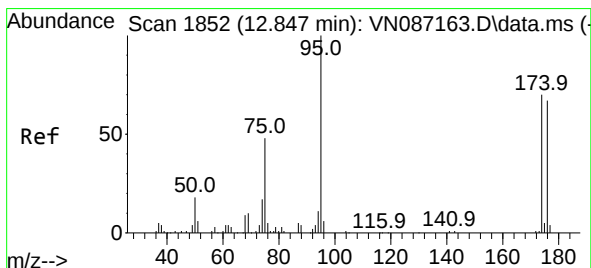
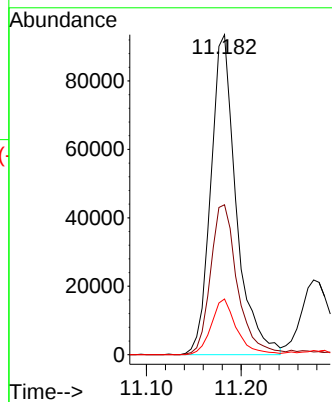
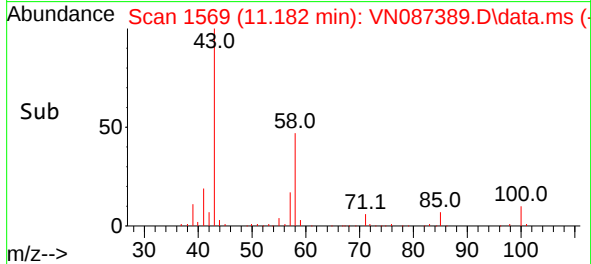
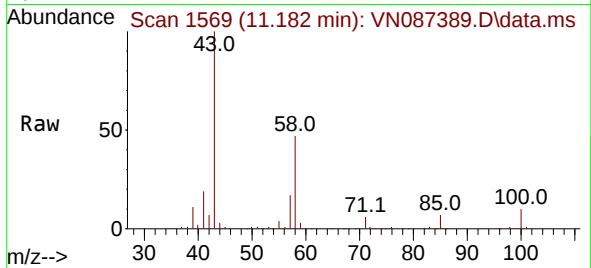




#59
2-Hexanone
Concen: 115.665 ug/l
RT: 11.182 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

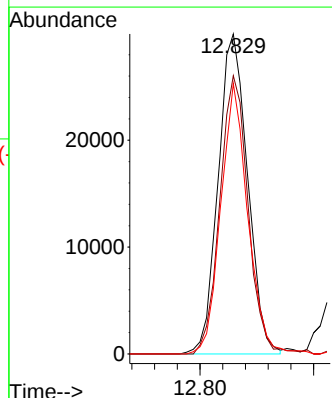
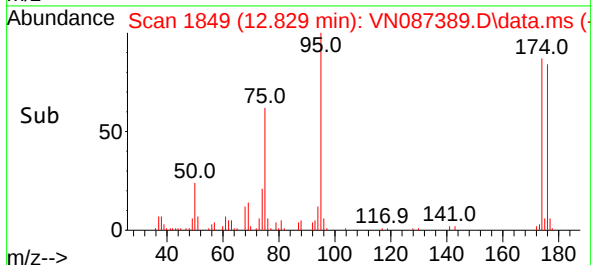
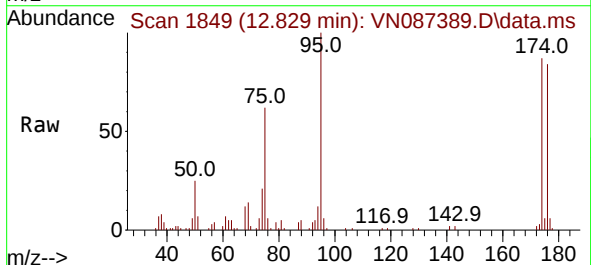
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

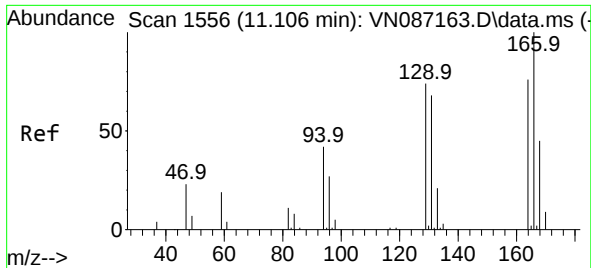
Tgt Ion: 43 Resp: 174070
Ion Ratio Lower Upper
43 100
58 49.6 49.2 73.8
57 17.4 15.3 22.9



#60
4-Bromofluorobenzene
Concen: 30.119 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 95 Resp: 53881
Ion Ratio Lower Upper
95 100
174 82.3 54.5 81.7#
176 77.3 51.9 77.9

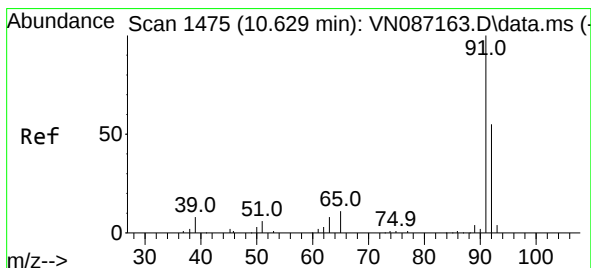
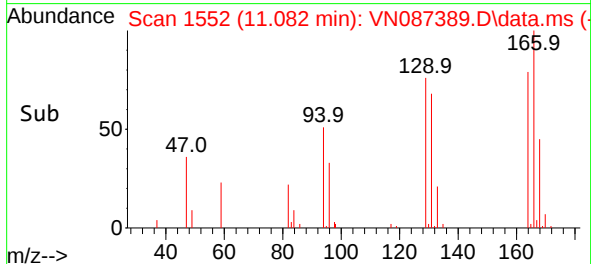
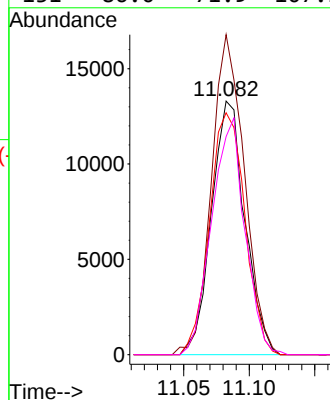
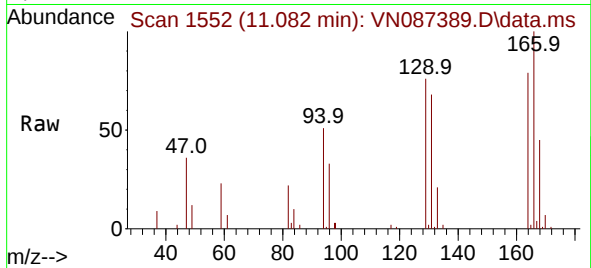




#61
Tetrachloroethene
Concen: 20.594 ug/l
RT: 11.082 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

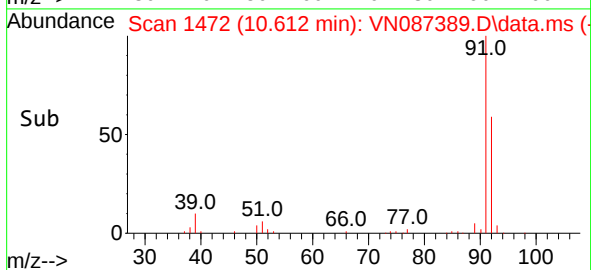
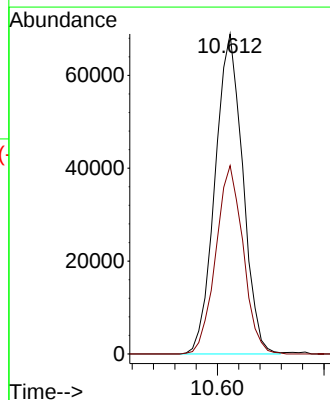
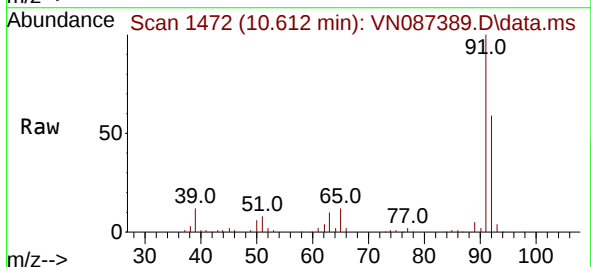
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

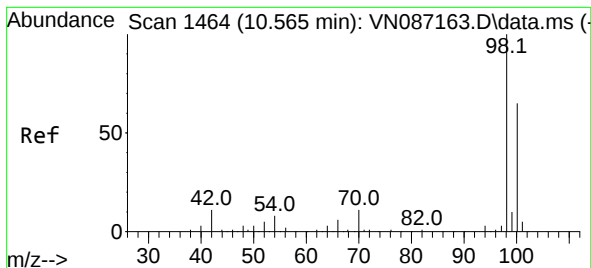
Tgt Ion:164 Resp: 23643
Ion Ratio Lower Upper
164 100
166 126.2 105.4 158.2
129 95.4 77.9 116.9
131 86.0 71.9 107.9



#62
Toluene
Concen: 19.008 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 91 Resp: 124453
Ion Ratio Lower Upper
91 100
92 58.0 45.8 68.8





#63

Toluene-d8

Concen: 31.116 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

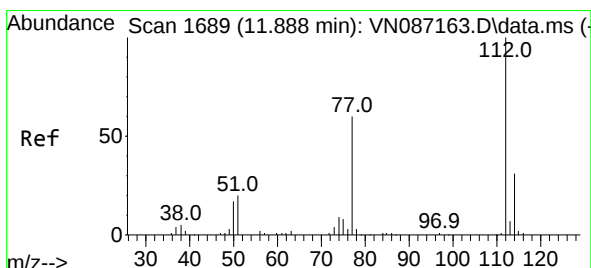
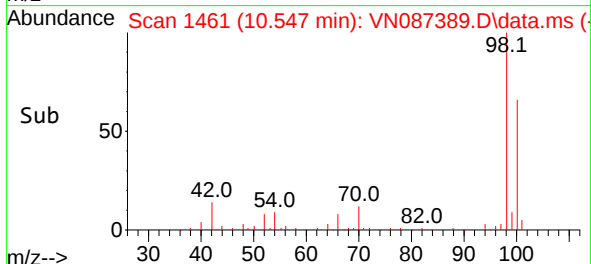
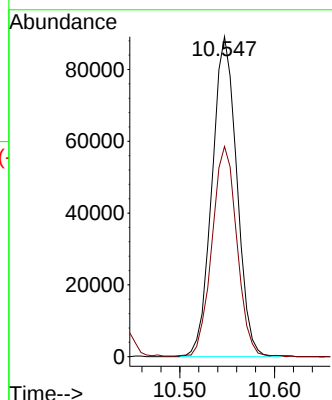
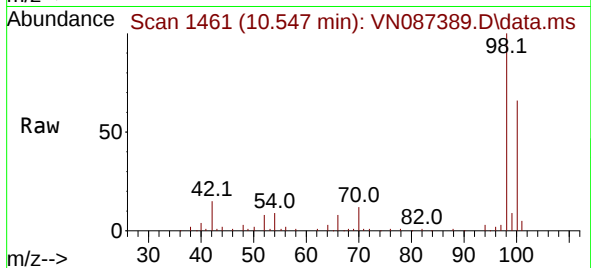
VSTDCCC020

Tgt Ion: 98 Resp: 161964

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



#64

Chlorobenzene

Concen: 19.876 ug/l

RT: 11.871 min Scan# 1686

Delta R.T. -0.018 min

Lab File: VN087389.D

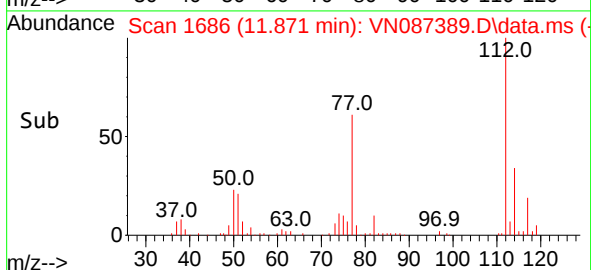
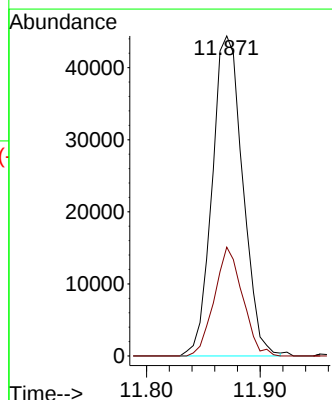
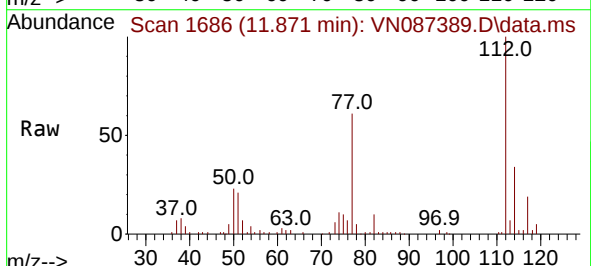
Acq: 22 Jul 2025 14:03

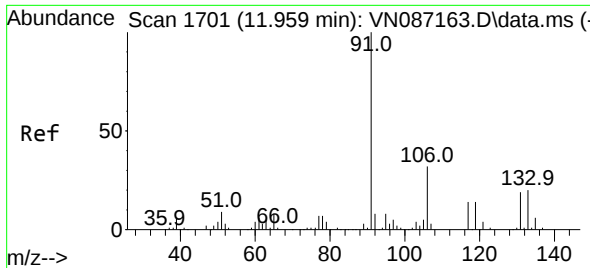
Tgt Ion: 112 Resp: 83013

Ion Ratio Lower Upper

112 100

114 34.0 25.0 37.4

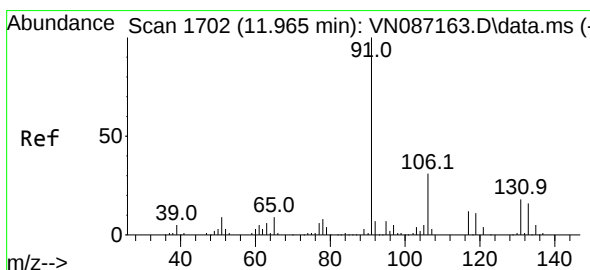
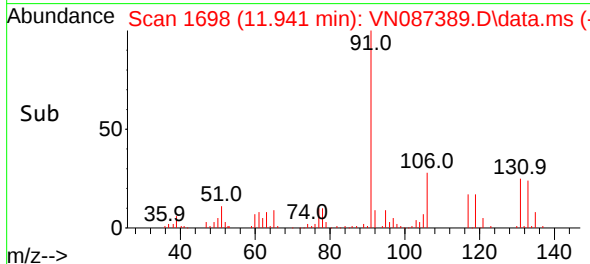
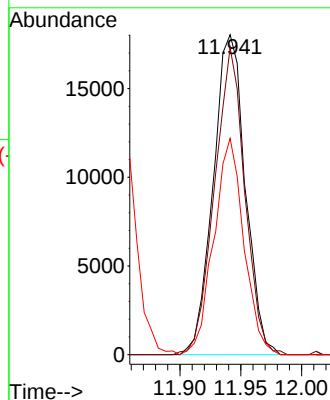
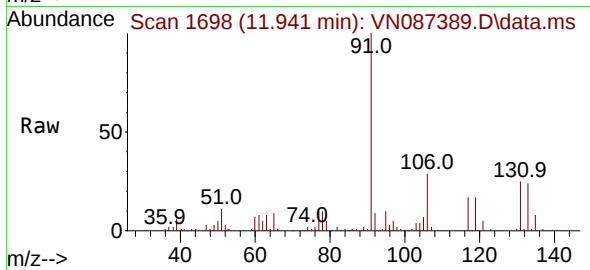




#65
1,1,1,2-Tetrachloroethane
Concen: 23.952 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

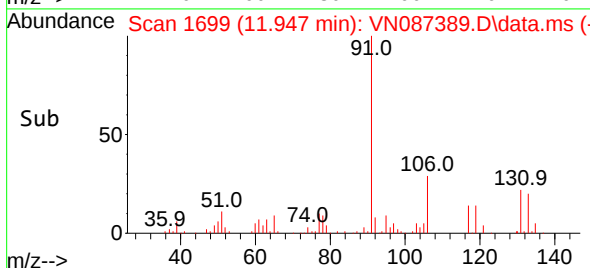
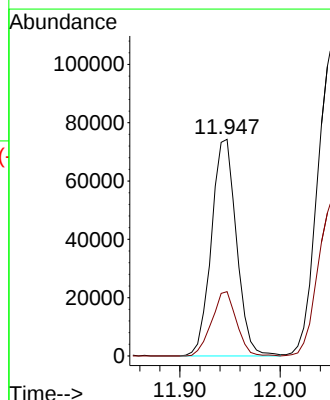
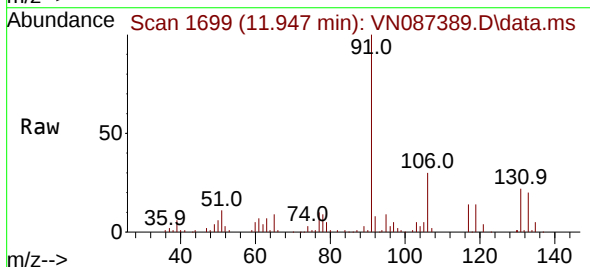
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

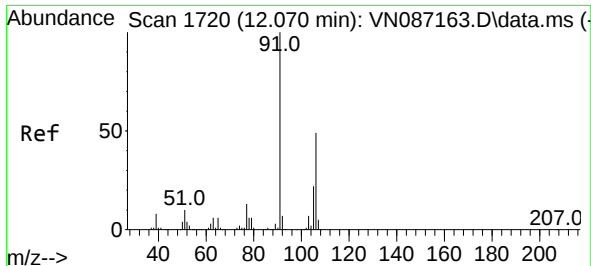
Tgt Ion:131 Resp: 33054
Ion Ratio Lower Upper
131 100
133 90.5 0.0 187.8
119 63.3 0.0 140.0



#66
Ethyl Benzene
Concen: 18.017 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 91 Resp: 129125
Ion Ratio Lower Upper
91 100
106 29.7 24.8 37.2

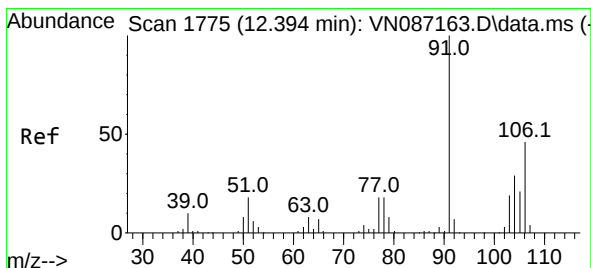
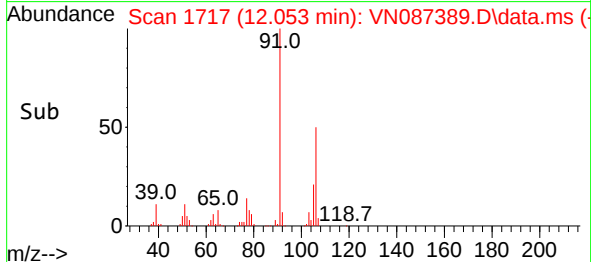
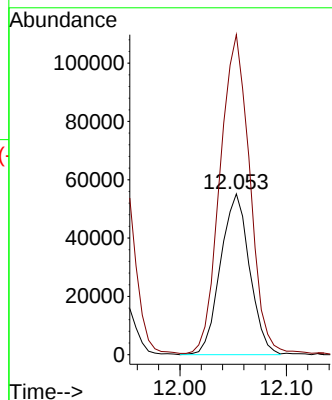
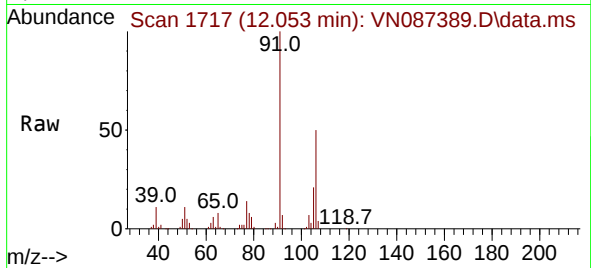




#67
m/p-Xylenes
Concen: 38.072 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

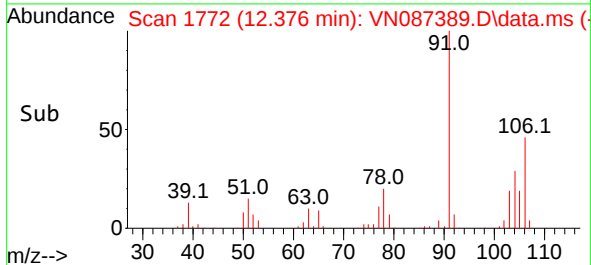
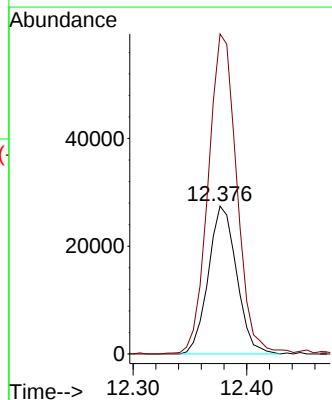
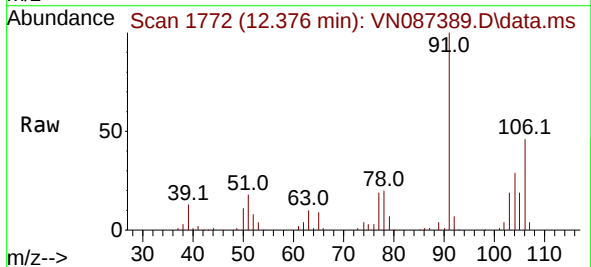
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

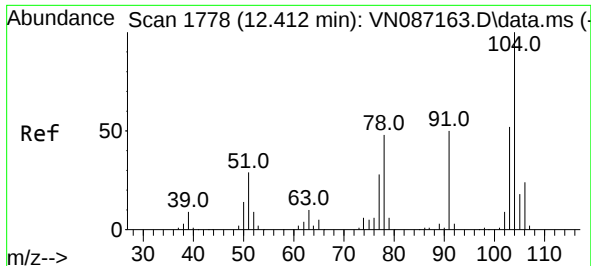
Tgt Ion:106 Resp: 104556
Ion Ratio Lower Upper
106 100
91 203.8 163.0 244.4



#68
o-Xylene
Concen: 18.132 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion:106 Resp: 47506
Ion Ratio Lower Upper
106 100
91 217.6 107.1 321.1

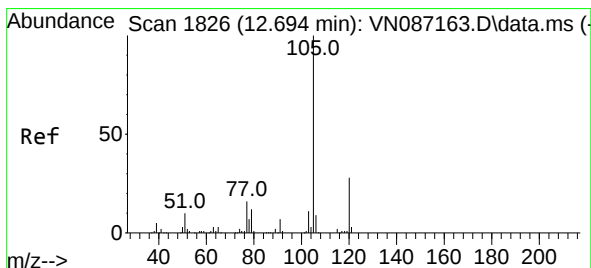
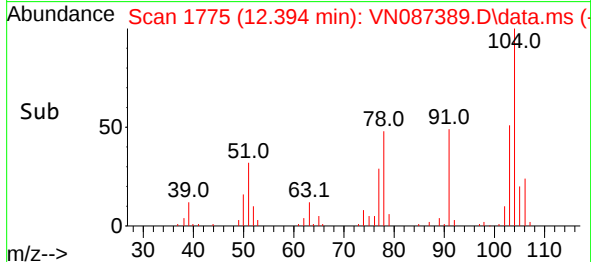
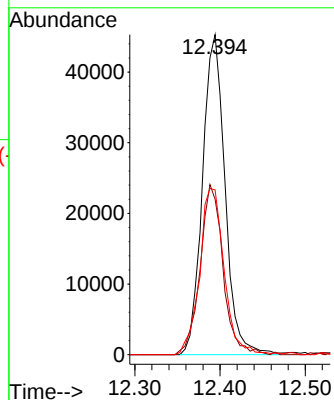
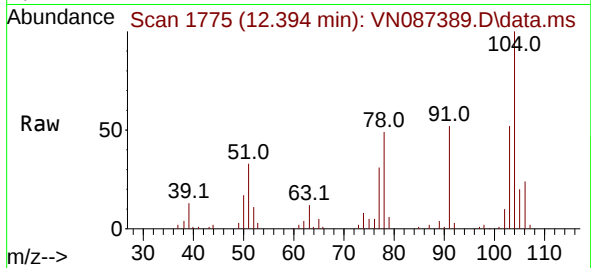




#69
Styrene
Concen: 18.517 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

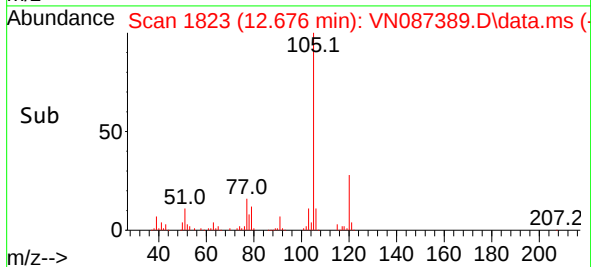
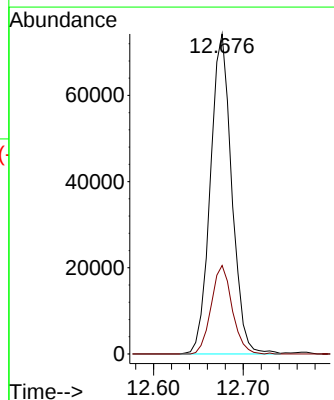
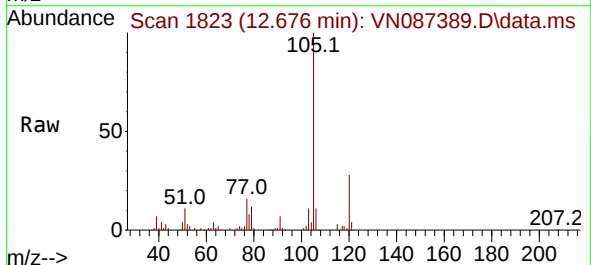
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

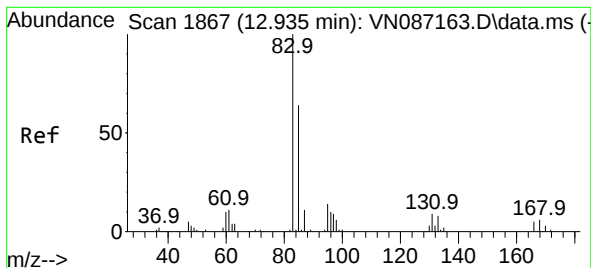
Tgt Ion:104 Resp: 83290
Ion Ratio Lower Upper
104 100
78 53.3 39.8 59.8
103 56.1 44.2 66.4



#70
Isopropylbenzene
Concen: 18.835 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion:105 Resp: 122907
Ion Ratio Lower Upper
105 100
120 27.0 19.0 35.2

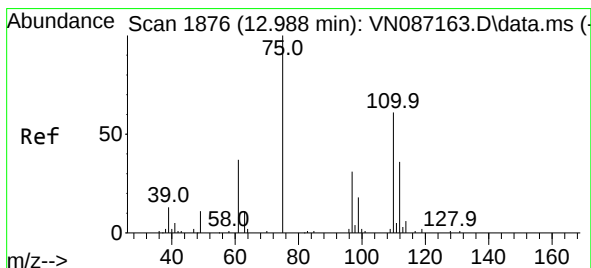
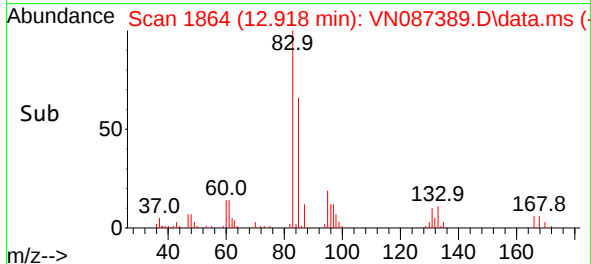
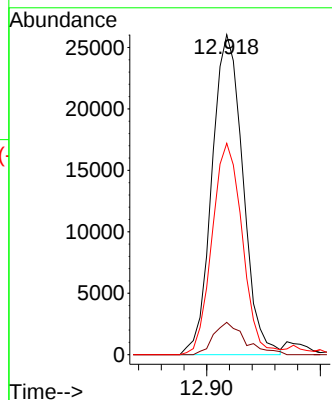
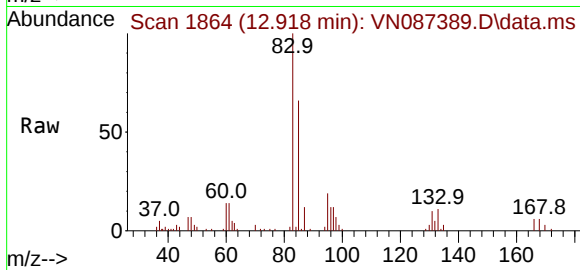




#71
1,1,2,2-Tetrachloroethane
Concen: 20.959 ug/l
RT: 12.918 min Scan# 1864
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

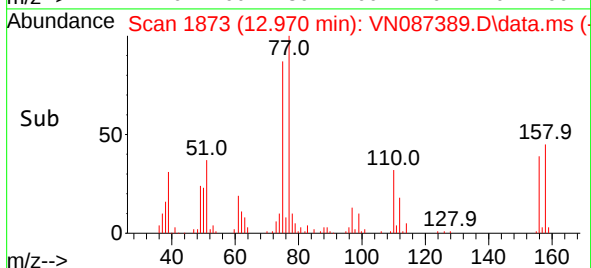
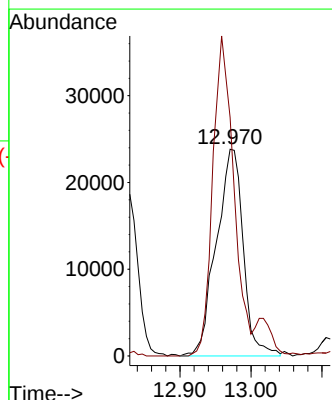
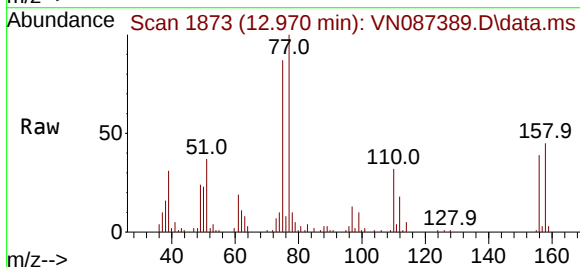
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

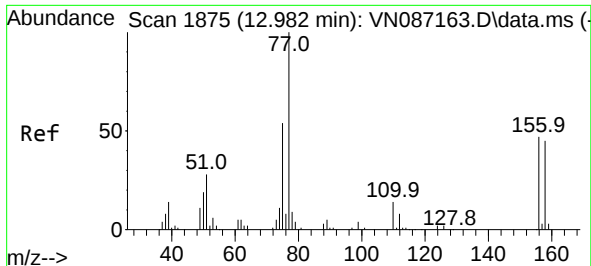
Tgt Ion: 83 Resp: 49227
Ion Ratio Lower Upper
83 100
131 10.3 4.5 13.4
85 64.7 31.3 93.9



#72
1,2,3-Trichloropropane
Concen: 30.943 ug/l
RT: 12.970 min Scan# 1873
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 75 Resp: 62672
Ion Ratio Lower Upper
75 100
77 120.3 0.0 379.2

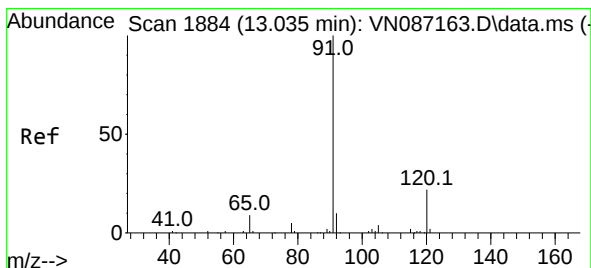
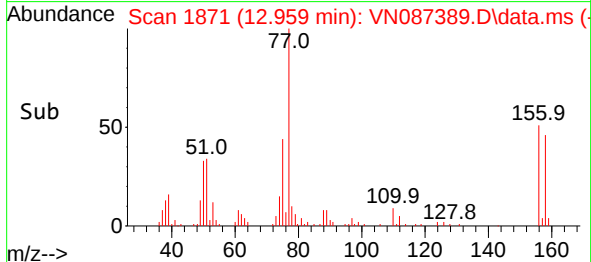
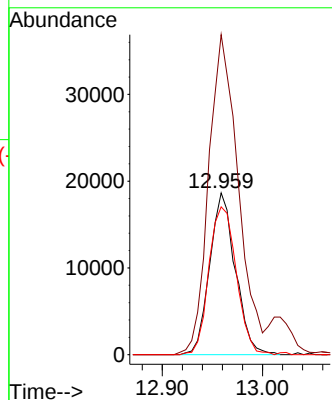
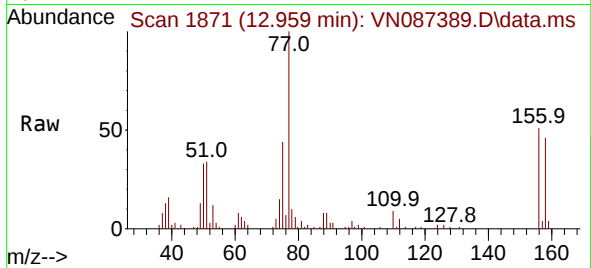




#73
Bromobenzene
Concen: 21.041 ug/l
RT: 12.959 min Scan# 1871
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

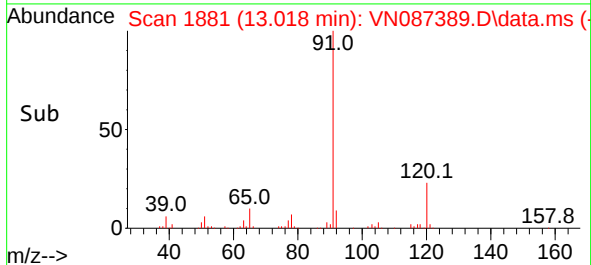
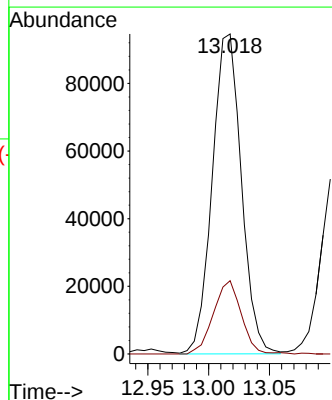
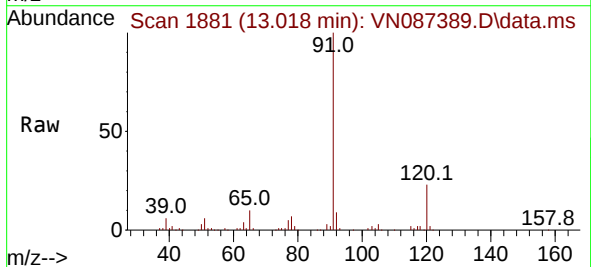
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

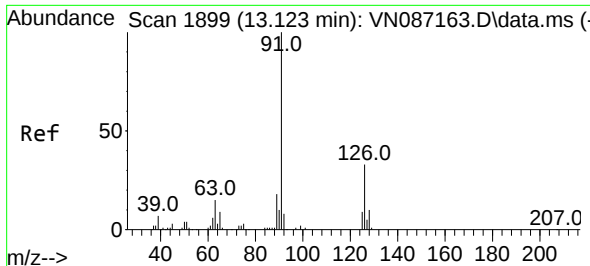
Tgt Ion:156 Resp: 33306
Ion Ratio Lower Upper
156 100
77 226.3 0.0 489.0
158 96.9 0.0 195.2



#74
n-propylbenzene
Concen: 19.740 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 91 Resp: 157364
Ion Ratio Lower Upper
91 100
120 21.8 0.0 43.6

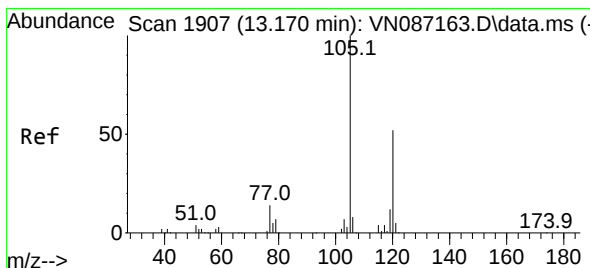
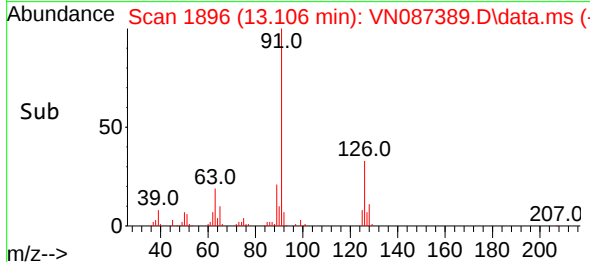
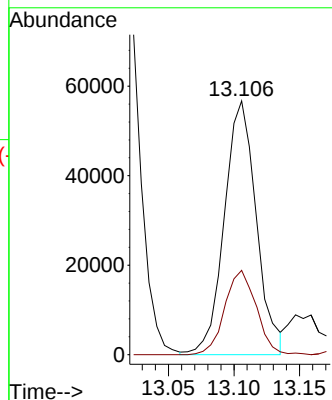
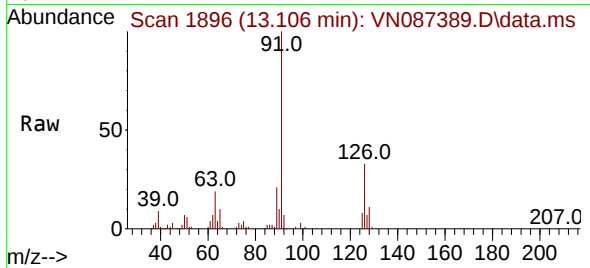




#75
2-Chlorotoluene
Concen: 20.021 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

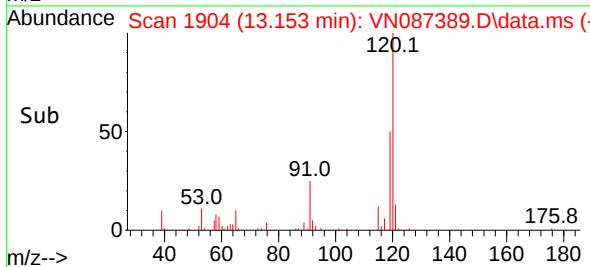
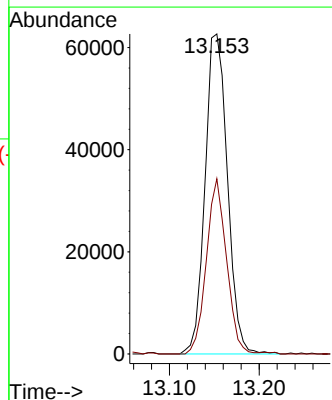
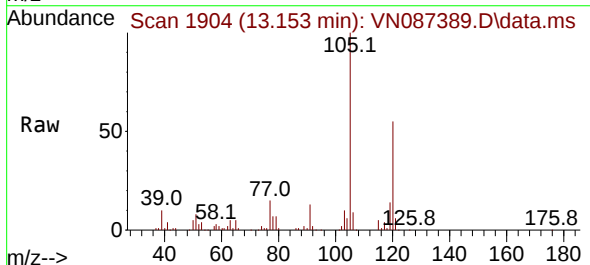
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

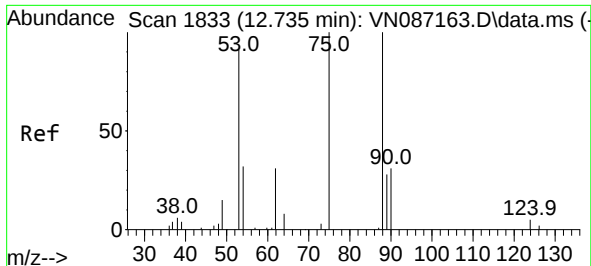
Tgt Ion: 91 Resp: 96423
Ion Ratio Lower Upper
91 100
126 32.5 0.0 63.8



#76
1,3,5-Trimethylbenzene
Concen: 20.423 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 105 Resp: 108489
Ion Ratio Lower Upper
105 100
120 49.2 0.0 100.8





#77

t-1,4-Dichloro-2-butene

Concen: 16.210 ug/l

RT: 12.718 min Scan# 1830

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

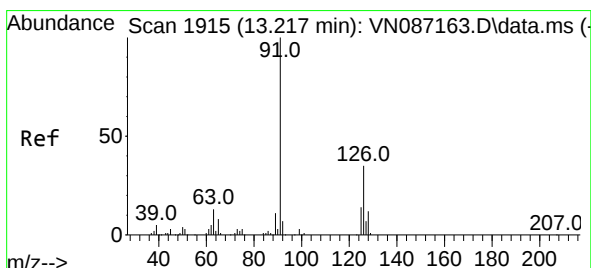
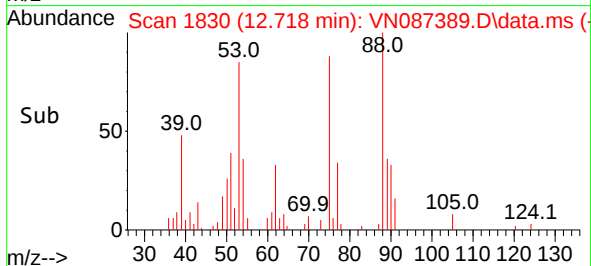
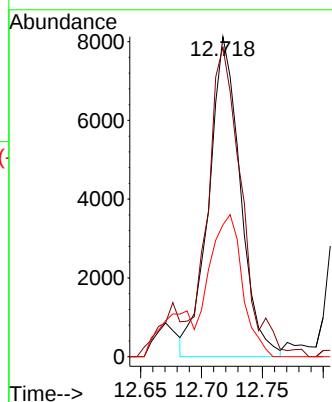
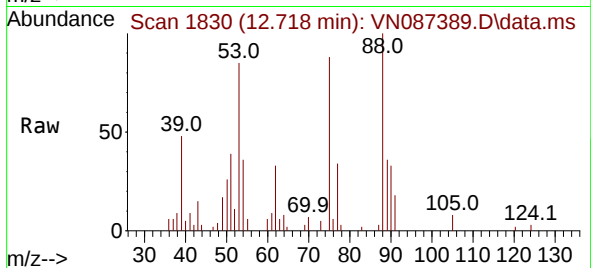
Tgt Ion: 75 Resp: 14564

Ion Ratio Lower Upper

75 100

53 96.1 45.9 137.6

89 42.0 22.3 66.9



#78

4-Chlorotoluene

Concen: 20.307 ug/l

RT: 13.200 min Scan# 1912

Delta R.T. -0.018 min

Lab File: VN087389.D

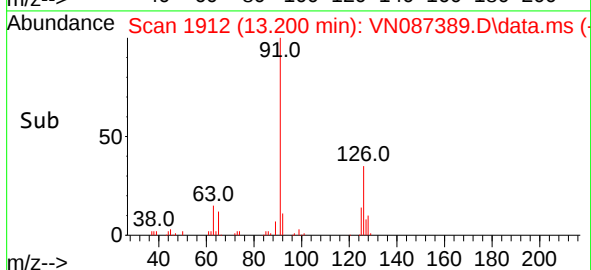
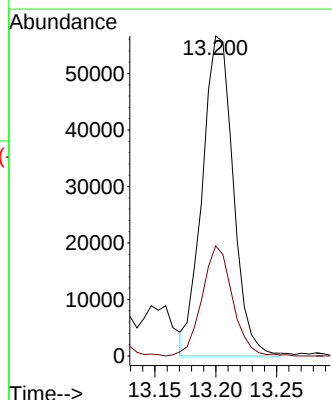
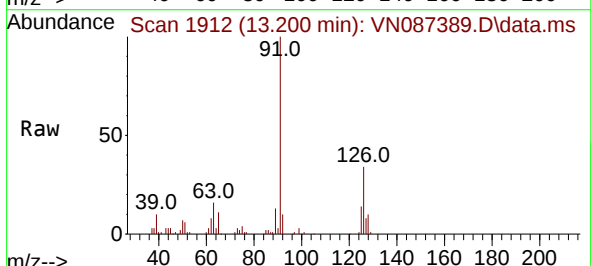
Acq: 22 Jul 2025 14:03

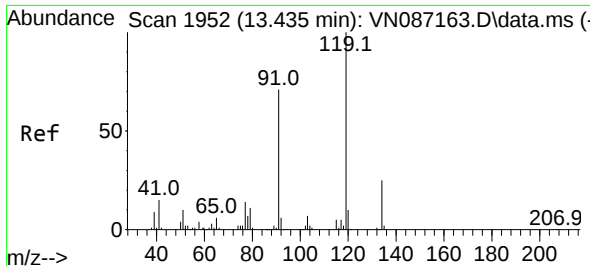
Tgt Ion: 91 Resp: 100169

Ion Ratio Lower Upper

91 100

126 33.8 0.0 65.2

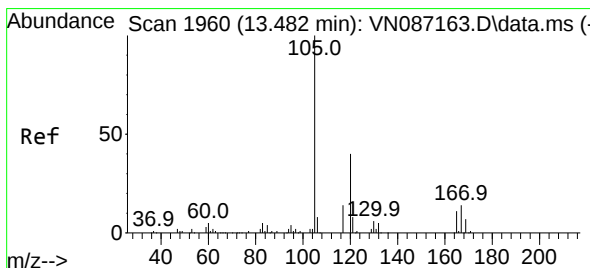
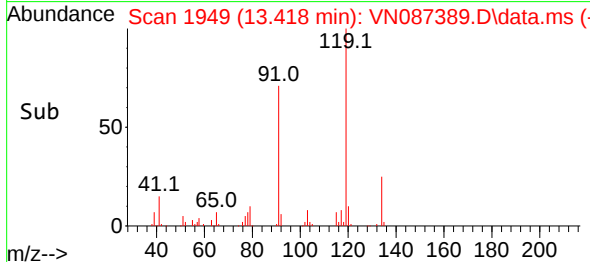
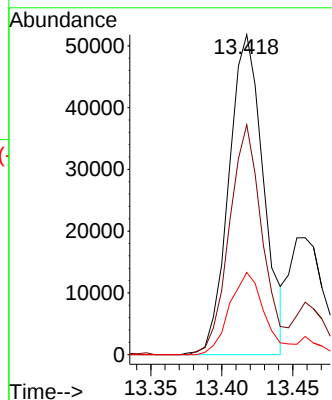
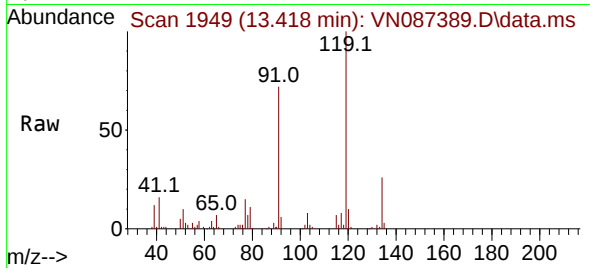




#79
tert-butylbenzene
Concen: 19.714 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

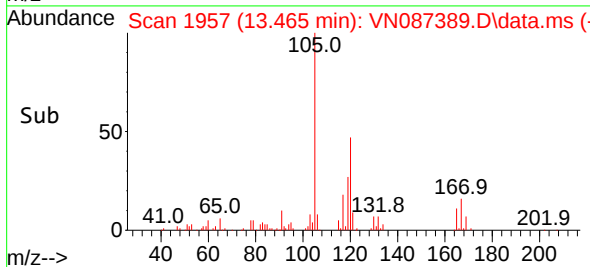
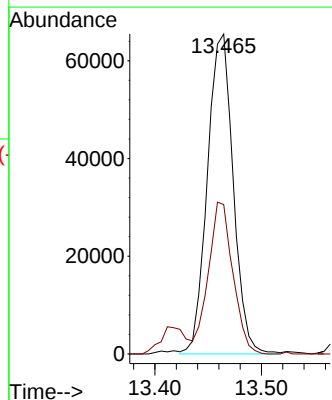
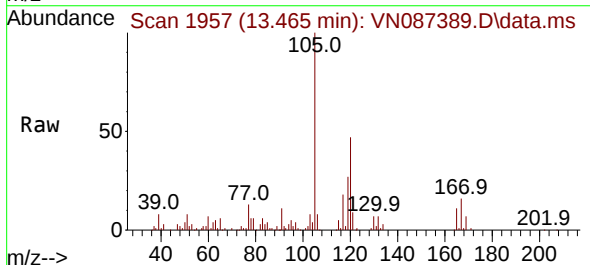
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

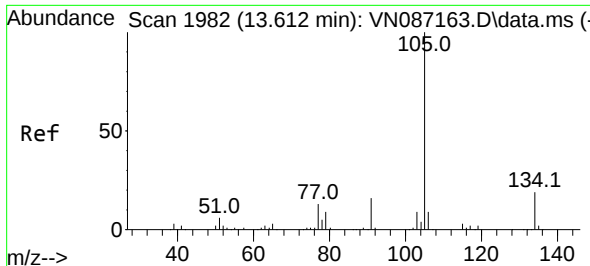
Tgt Ion:119 Resp: 88031
Ion Ratio Lower Upper
119 100
91 69.4 0.0 137.0
134 26.4 0.0 49.4



#80
1,2,4-Trimethylbenzene
Concen: 20.699 ug/l
RT: 13.465 min Scan# 1957
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion:105 Resp: 110414
Ion Ratio Lower Upper
105 100
120 45.0 0.0 94.0

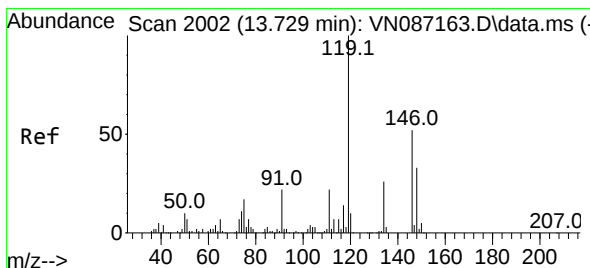
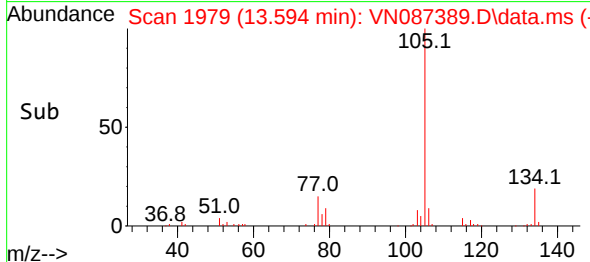
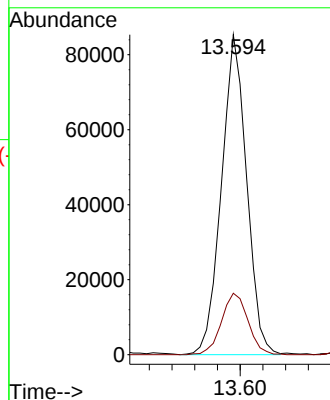
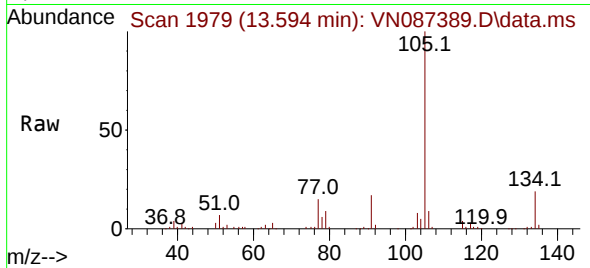




#81
 sec-Butylbenzene
 Concen: 20.242 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.018 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

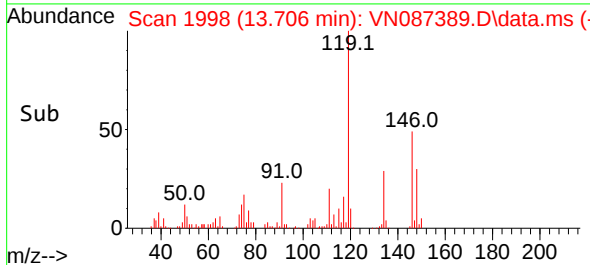
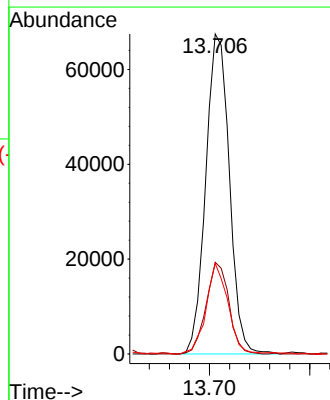
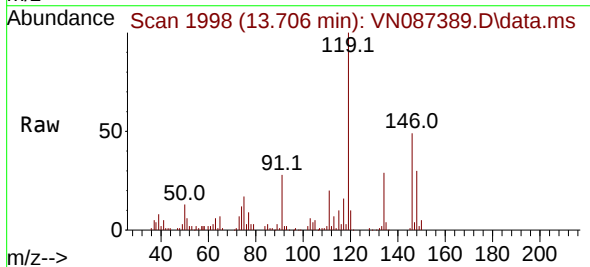
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

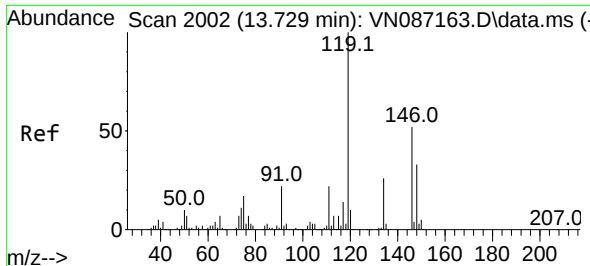
Tgt Ion:105 Resp: 131396
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 20.437 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.023 min
 Lab File: VN087389.D
 Acq: 22 Jul 2025 14:03

Tgt Ion:119 Resp: 110396
 Ion Ratio Lower Upper
 119 100
 134 27.5 0.0 51.2
 91 26.1 0.0 46.4

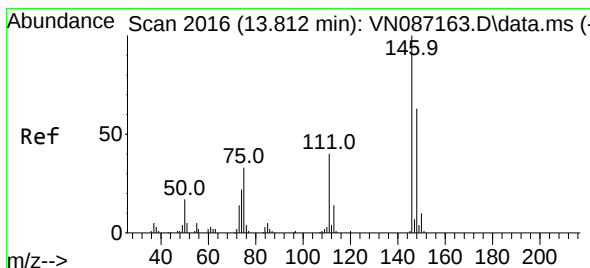
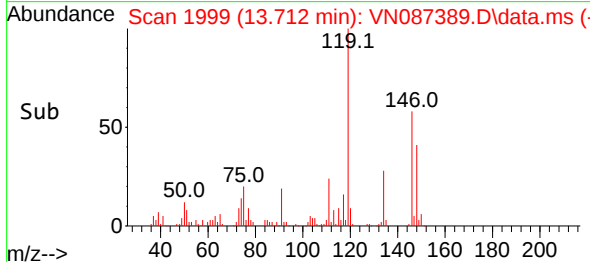
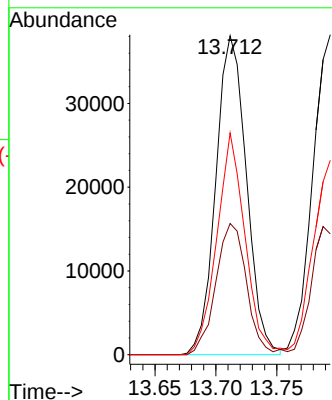
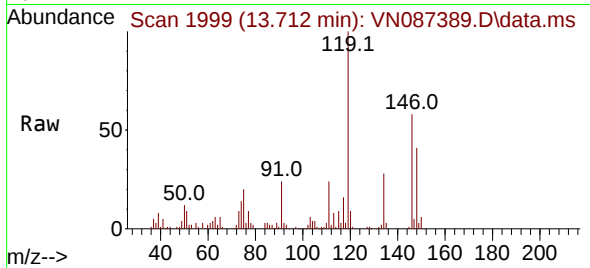




#83
1,3-Dichlorobenzene
Concen: 21.838 ug/l
RT: 13.712 min Scan# 1999
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

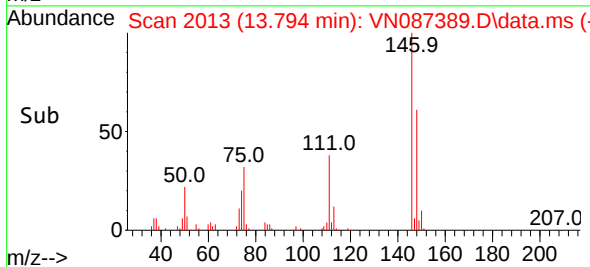
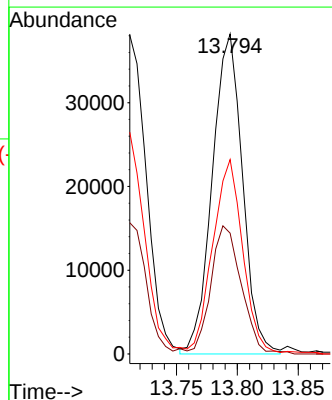
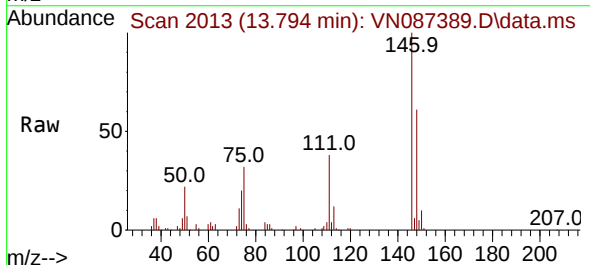
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

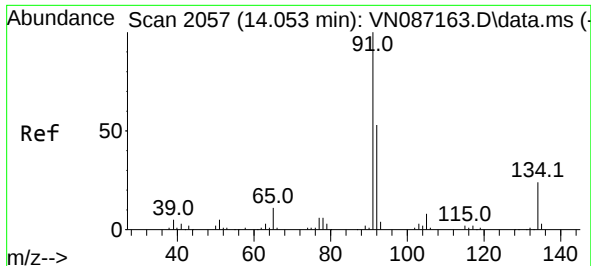
Tgt Ion:146 Resp: 66565
Ion Ratio Lower Upper
146 100
111 41.0 21.1 63.3
148 64.4 31.6 94.8



#84
1,4-Dichlorobenzene
Concen: 21.542 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion:146 Resp: 66085
Ion Ratio Lower Upper
146 100
111 39.7 20.1 60.2
148 59.2 31.4 94.2

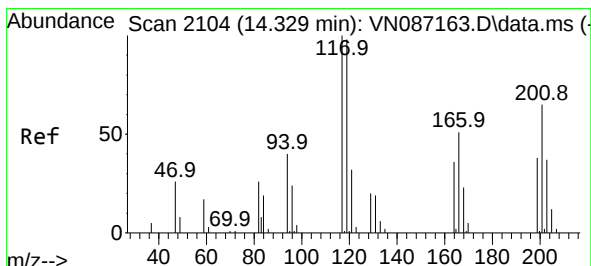
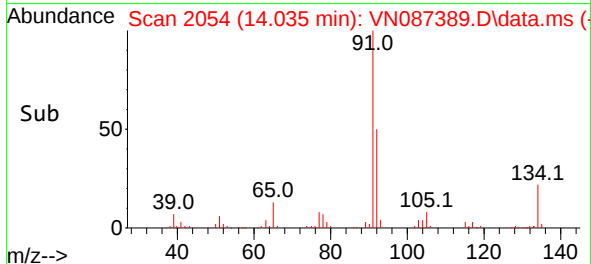
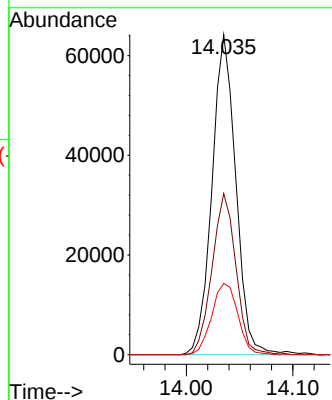
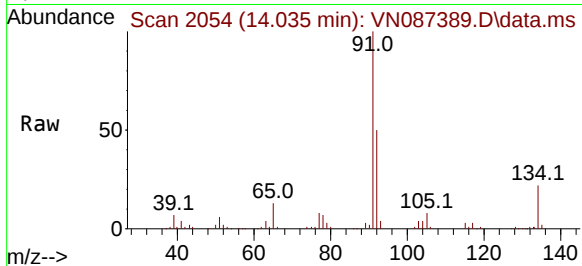




#85
n-Butylbenzene
Concen: 20.222 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

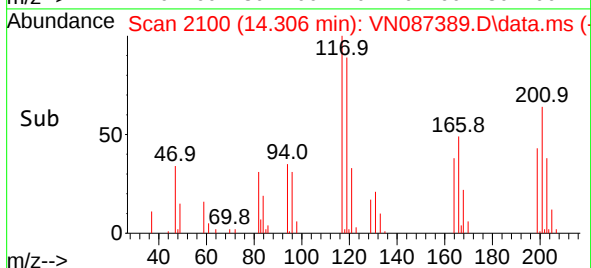
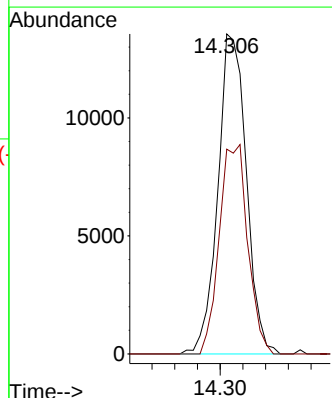
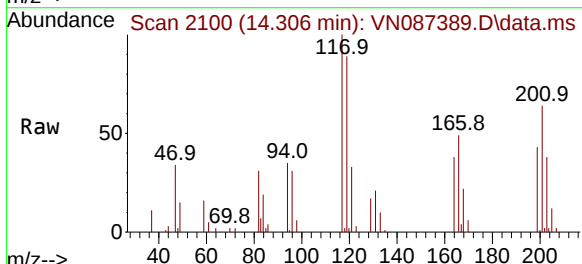
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

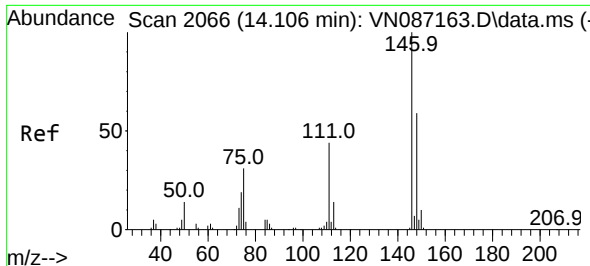
Tgt Ion: 91	Resp: 99667
Ion Ratio	Lower Upper
91	100
92	50.3 0.0 106.4
134	24.4 0.0 48.8



#86
Hexachloroethane
Concen: 23.042 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 117	Resp: 23561
Ion Ratio	Lower Upper
117	100
201	65.4 30.8 92.3

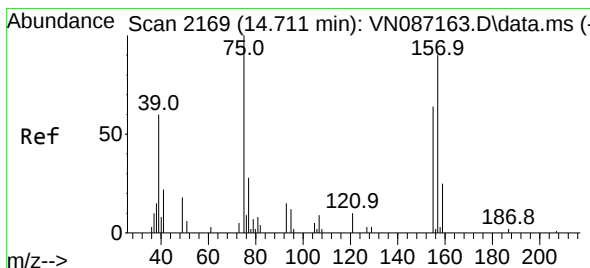
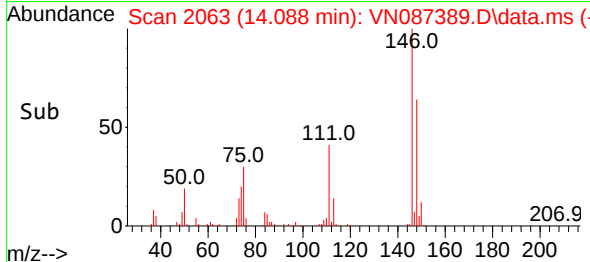
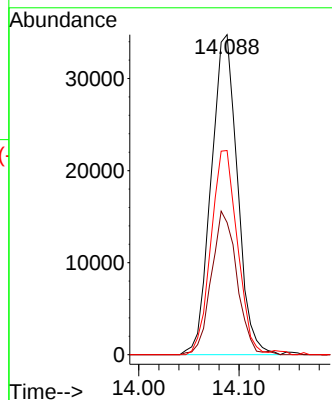
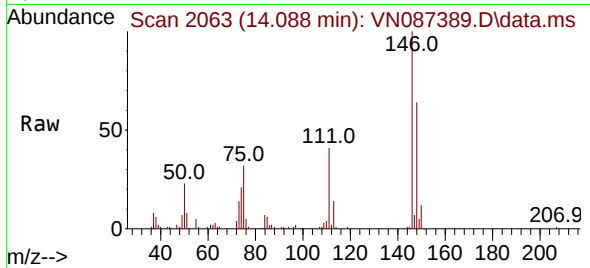




#87
1,2-Dichlorobenzene
Concen: 22.016 ug/l
RT: 14.088 min Scan# 2063
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

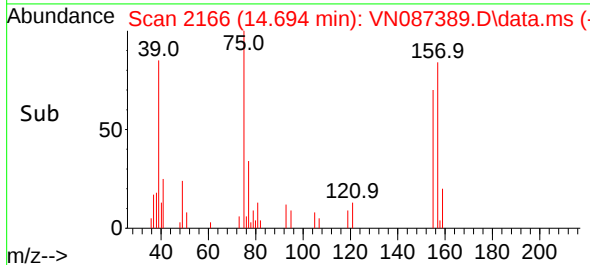
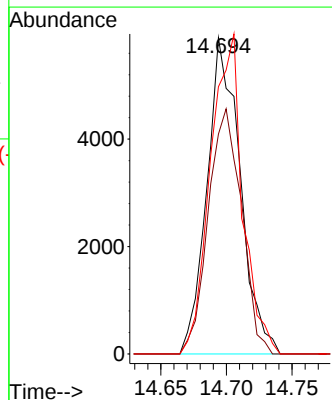
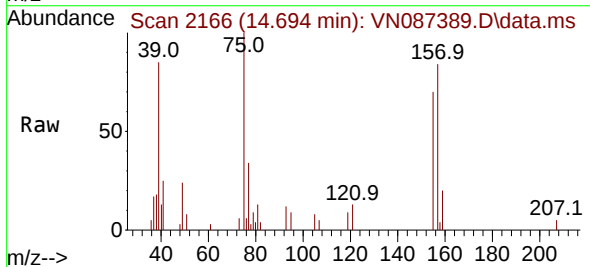
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

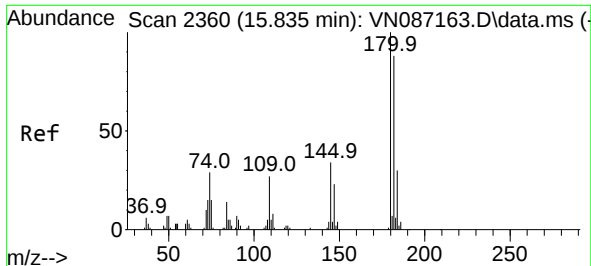
Tgt Ion:146 Resp: 63275
Ion Ratio Lower Upper
146 100
111 43.3 22.1 66.1
148 64.3 31.6 95.0



#88
1,2-Dibromo-3-Chloropropane
Concen: 19.562 ug/l
RT: 14.694 min Scan# 2166
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion: 75 Resp: 10346
Ion Ratio Lower Upper
75 100
155 78.1 58.3 87.5
157 98.0 79.2 118.8

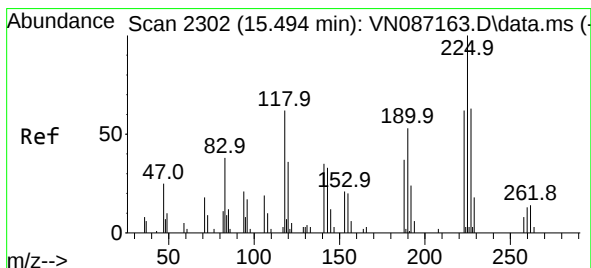
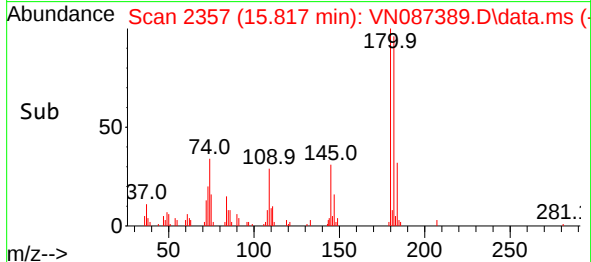
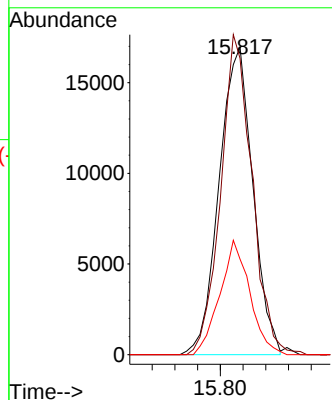
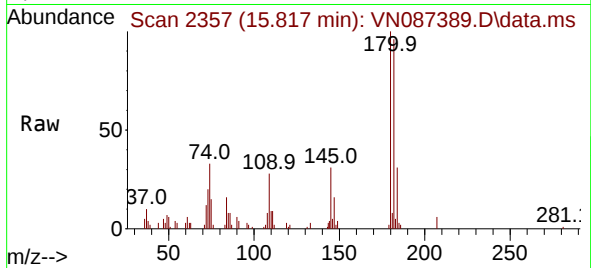




#89
1,2,4-Trichlorobenzene
Concen: 21.460 ug/l
RT: 15.817 min Scan# 21
Delta R.T. -0.018 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

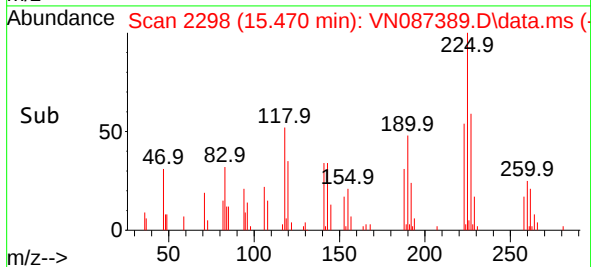
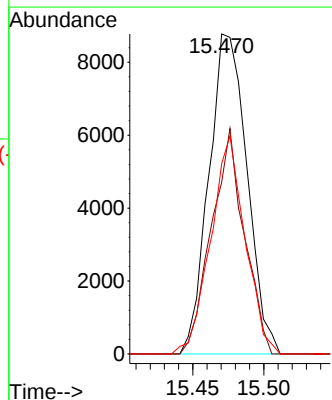
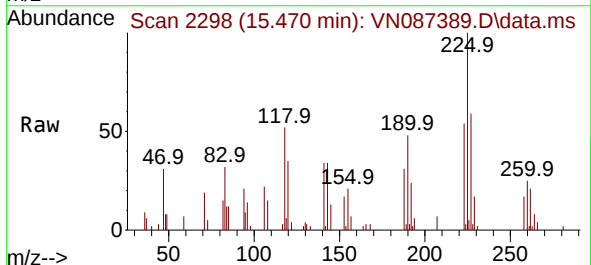
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

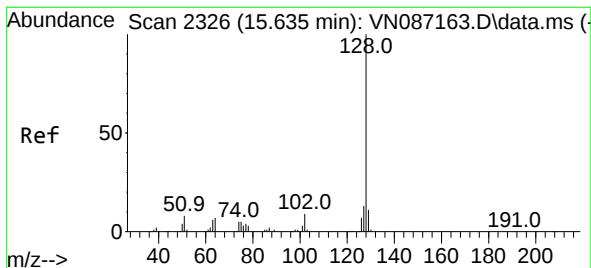
Tgt Ion:180 Resp: 34895
Ion Ratio Lower Upper
180 100
182 96.7 74.2 111.2
145 33.2 27.6 41.4



#90
Hexachlorobutadiene
Concen: 33.980 ug/l
RT: 15.470 min Scan# 2298
Delta R.T. -0.023 min
Lab File: VN087389.D
Acq: 22 Jul 2025 14:03

Tgt Ion:225 Resp: 16396
Ion Ratio Lower Upper
225 100
223 60.8 0.0 134.2
227 61.4 0.0 122.6





#91

Naphthalene

Concen: 17.387 ug/l

RT: 15.617 min Scan# 21

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

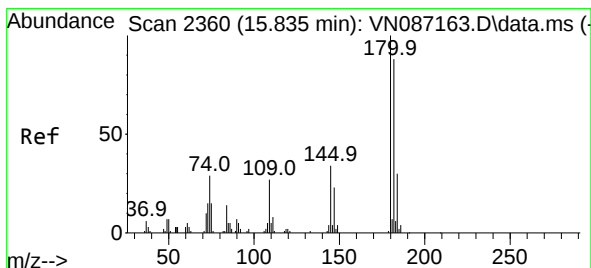
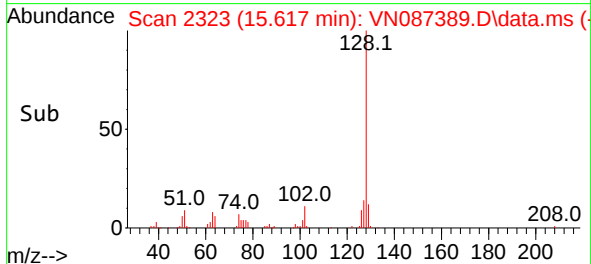
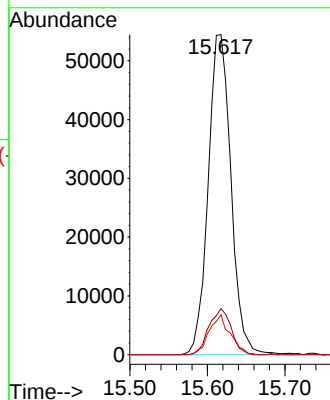
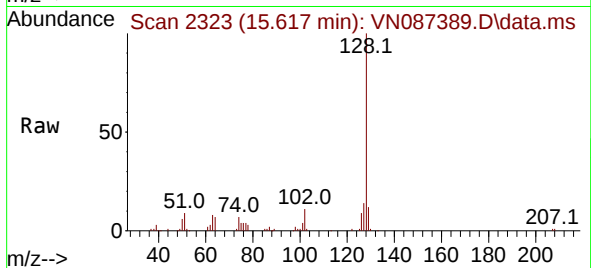
Tgt Ion:128 Resp: 111265

Ion Ratio Lower Upper

128 100

127 14.2 10.6 15.8

129 11.3 8.8 13.2



#92

1,2,3-Trichlorobenzene

Concen: 21.460 ug/l

RT: 15.817 min Scan# 2357

Delta R.T. -0.018 min

Lab File: VN087389.D

Acq: 22 Jul 2025 14:03

Tgt Ion:180 Resp: 34895

Ion Ratio Lower Upper

180 100

182 96.7 0.0 185.4

145 33.2 0.0 69.0

