

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112025\
 Data File : VN088327.D
 Acq On : 20 Nov 2025 13:25
 Operator : JC\MD
 Sample : Q3689-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 21 03:01:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N11325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	27555	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.076	114	217180	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	175833	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	65735	26.117	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	87.067%#		
60) 4-Bromofluorobenzene	12.829	95	81767	27.509	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	91.700%		
63) Toluene-d8	10.541	98	259939	31.226	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	104.100%		
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.530	62	1426	0.675	ug/l #	79
5) Bromomethane	2.983	94	416	0.369	ug/l #	1
6) Chloroethane	3.130	64	344	0.264	ug/l #	44
8) Diethyl Ether	3.959	74	6820	6.163	ug/l	84
13) Acrolein	4.071	56	432	1.201	ug/l	83
14) Acrylonitrile	5.700	53	821	0.739	ug/l #	25
15) Acetone	4.459	58	22913	70.540	ug/l	82
22) cis-1,2-Dichloroethene	7.471	96	2192	1.069	ug/l #	1
23) tert-Butyl Alcohol	5.471	59	125	0.306	ug/l #	100
24) Methyl tert-Butyl Ether	5.794	73	7162	1.172	ug/l #	83
25) Chloroform	7.947	83	5864	1.669	ug/l #	69
30) 2-Butanone	7.494	43	392237	167.332	ug/l	98
31) 2,2-Dichloropropane	7.459	77	13346	2.986	ug/l #	55
34) Benzene	8.582	78	52873	4.881	ug/l #	93
36) 1,2-Dichloroethane	8.647	62	1241	0.294	ug/l #	76
39) 1,2-Dichloropropane	9.135	63	886	0.317	ug/l	88
42) Vinyl Acetate	6.624	43	1707	0.218	ug/l #	74
43) Ethyl Acetate	7.494	43	392237	83.165	ug/l #	45
45) 1,4-Dioxane	9.765	88	285	6.511	ug/l #	43
46) Methyl methacrylate	9.665	41	1046	0.308	ug/l #	25
51) Ethyl methacrylate	10.847	69	1815	0.444	ug/l #	48
55) 2-Chloroethyl vinyl ether	10.606	63	19532	8.301	ug/l #	1
58) 4-Methyl-2-Pentanone	10.435	43	13960	3.510	ug/l #	54
59) 2-Hexanone	11.153	43	132444	50.153	ug/l #	36
62) Toluene	10.606	91	259813	25.749	ug/l	98
64) Chlorobenzene	11.870	112	15603	2.497	ug/l	95
66) Ethyl Benzene	11.941	91	145041	13.042	ug/l	99
67) m/p-Xylenes	12.047	106	52869	12.712	ug/l	100
68) o-Xylene	12.376	106	29110	7.420	ug/l	99
69) Styrene	12.400	104	7144	1.072	ug/l #	46
70) Isopropylbenzene	12.670	105	19650	1.890	ug/l	97
74) n-propylbenzene	13.012	91	8012	0.623	ug/l	100
75) 2-Chlorotoluene	13.082	91	1817	0.232	ug/l	66
76) 1,3,5-Trimethylbenzene	13.153	105	11600	1.329	ug/l	90
79) tert-butylbenzene	13.647	119	3001	0.402	ug/l	71
80) 1,2,4-Trimethylbenzene	13.459	105	39646	4.568	ug/l	94
82) p-Isopropyltoluene	13.706	119	96738	10.742	ug/l	97
83) 1,3-Dichlorobenzene	13.788	146	17631	3.866	ug/l	96
84) 1,4-Dichlorobenzene	13.788	146	17631	3.817	ug/l	97

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Quant Time: Nov 21 03:01:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

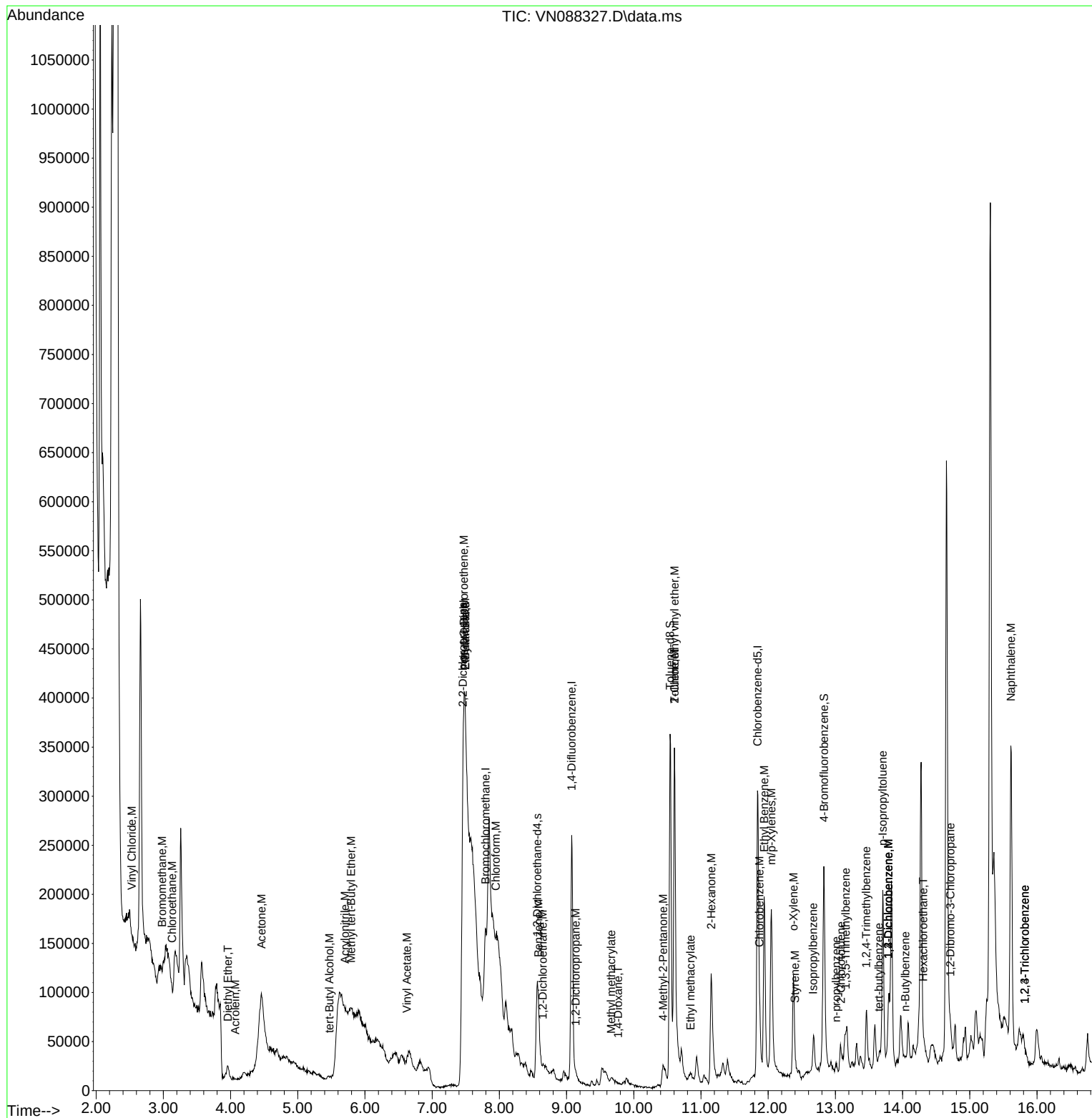
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) n-Butylbenzene	14.041	91	2053	0.239	ug/l	96
86) Hexachloroethane	14.306	117	917	0.532	ug/l #	20
87) 1,2-Dichlorobenzene	13.788	146	17631	4.096	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.711	75	470	0.594	ug/l #	10
89) 1,2,4-Trichlorobenzene	15.817	180	506	0.209	ug/l #	51
91) Naphthalene	15.611	128	295534	33.813	ug/l	99
92) 1,2,3-Trichlorobenzene	15.817	180	506	0.209	ug/l	51

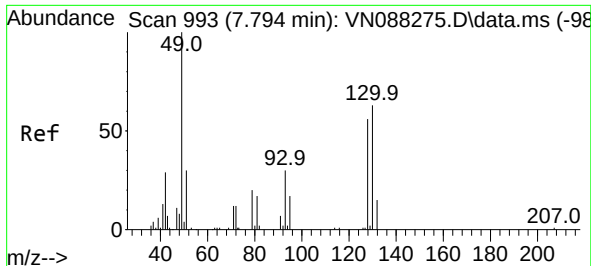
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Nov 14 00:49:21 2025
Response via : Initial Calibration

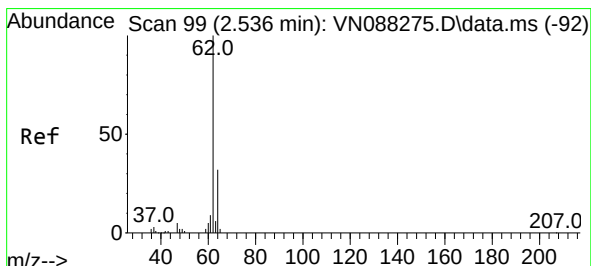
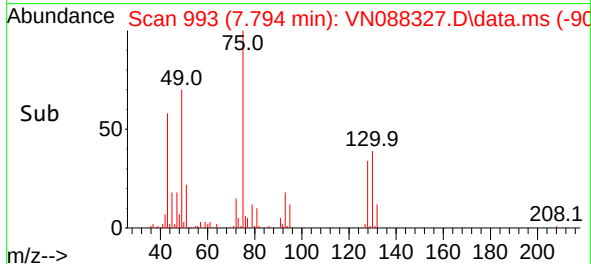
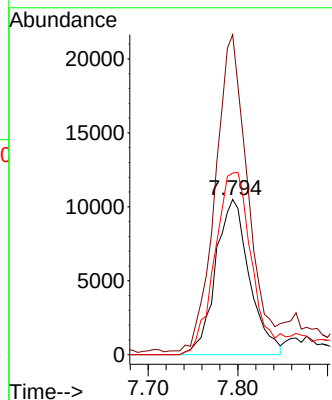
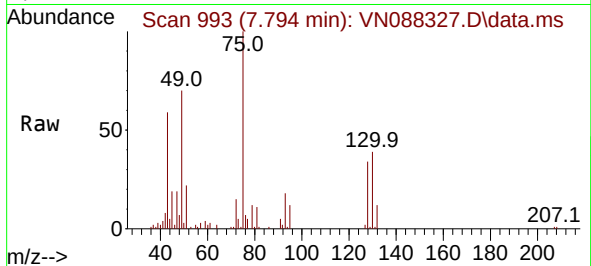




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

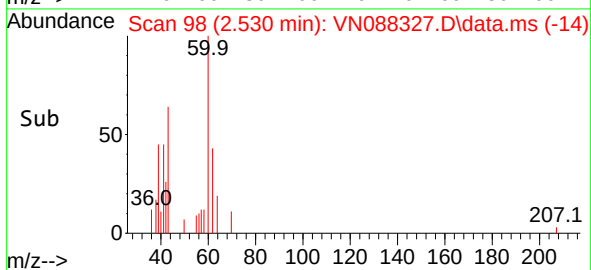
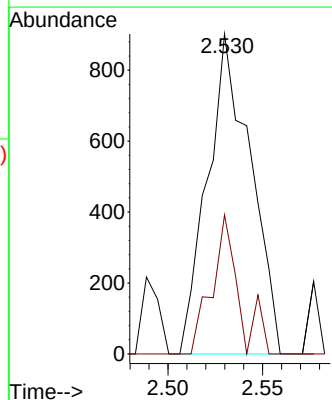
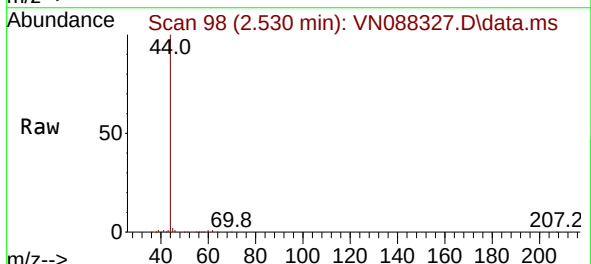
Instrument :
MSVOA_N
ClientSampleId :

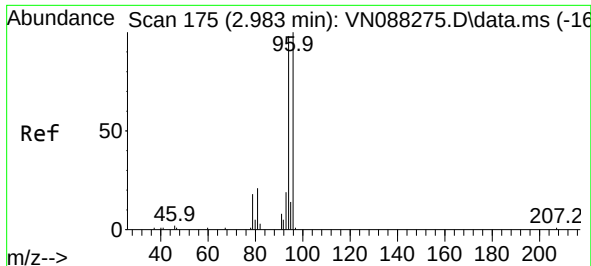
Tgt Ion:128 Resp: 27555
Ion Ratio Lower Upper
128 100
49 192.5 0.0 501.2
130 125.1 0.0 320.2



#4
Vinyl Chloride
Concen: 0.675 ug/l
RT: 2.530 min Scan# 98
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion: 62 Resp: 1426
Ion Ratio Lower Upper
62 100
64 43.5 25.4 38.2#

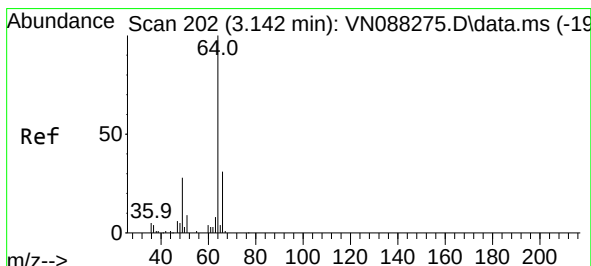
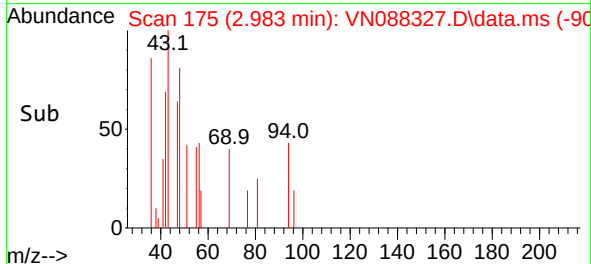
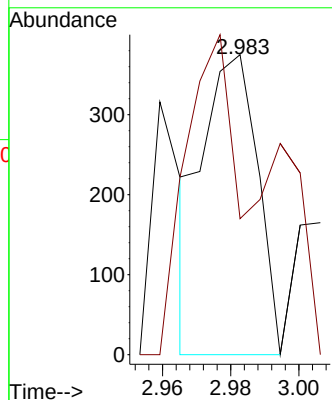
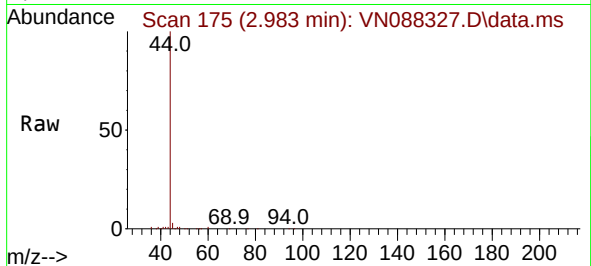




#5
Bromomethane
Concen: 0.369 ug/l
RT: 2.983 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

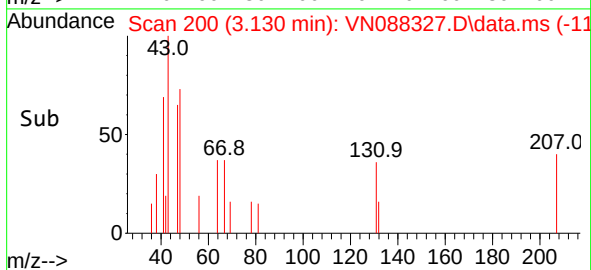
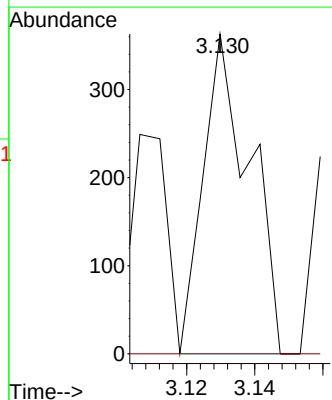
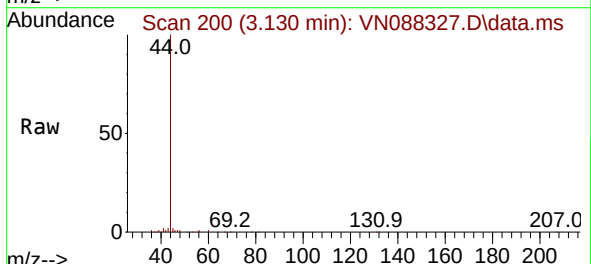
Instrument :
MSVOA_N
ClientSampleId :

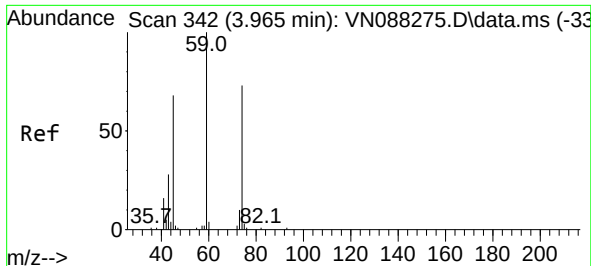
Tgt Ion: 94 Resp: 416
Ion Ratio Lower Upper
94 100
96 0.0 81.3 121.9#



#6
Chloroethane
Concen: 0.264 ug/l
RT: 3.130 min Scan# 200
Delta R.T. -0.012 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

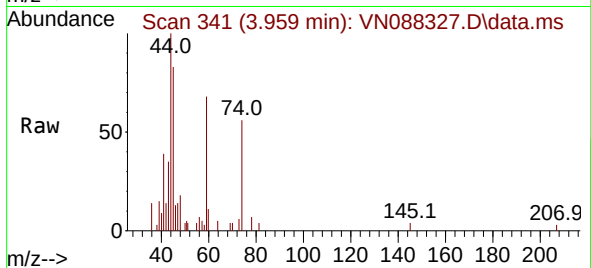
Tgt Ion: 64 Resp: 344
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



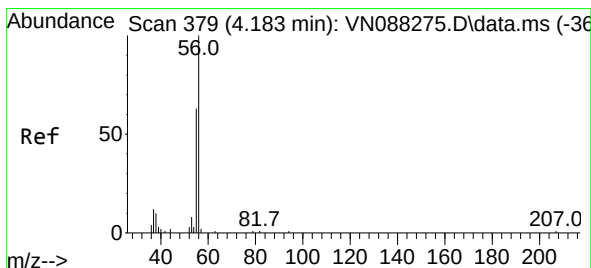
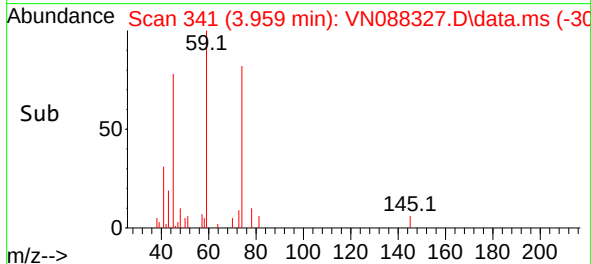
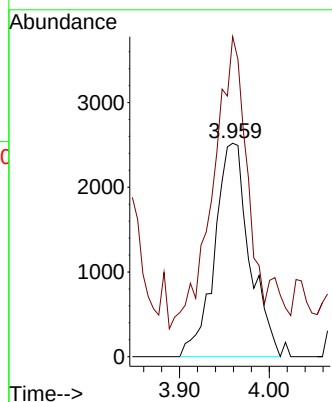


#8
Diethyl Ether
Concen: 6.163 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Instrument :
MSVOA_N
ClientSampleId :

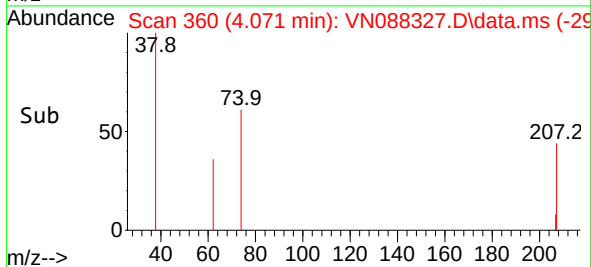
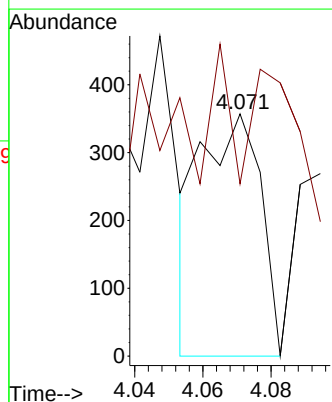
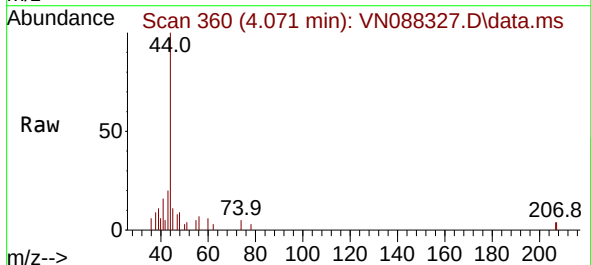


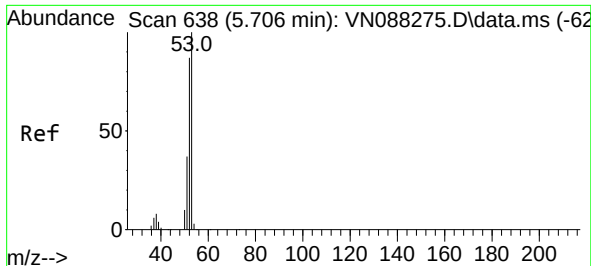
Tgt Ion: 74 Resp: 6820
Ion Ratio Lower Upper
74 100
45 121.1 20.9 187.7



#13
Acrolein
Concen: 1.201 ug/l
RT: 4.071 min Scan# 360
Delta R.T. -0.112 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

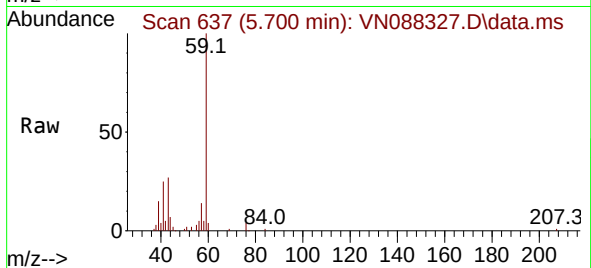
Tgt Ion: 56 Resp: 432
Ion Ratio Lower Upper
56 100
55 58.1 57.9 86.9



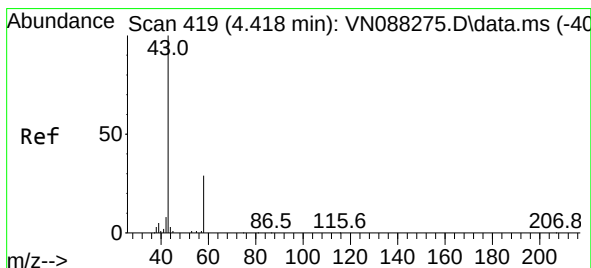
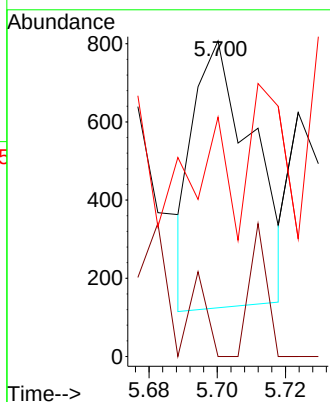
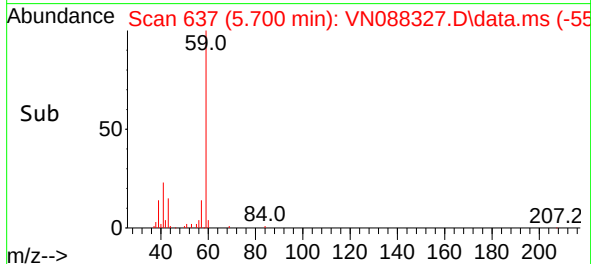


#14
Acrylonitrile
Concen: 0.739 ug/l
RT: 5.700 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Instrument :
MSVOA_N
ClientSampleId :

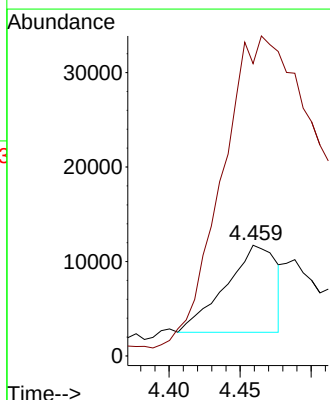
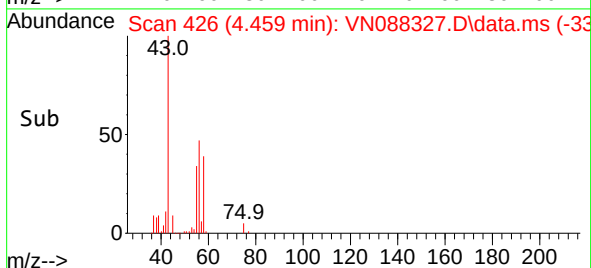
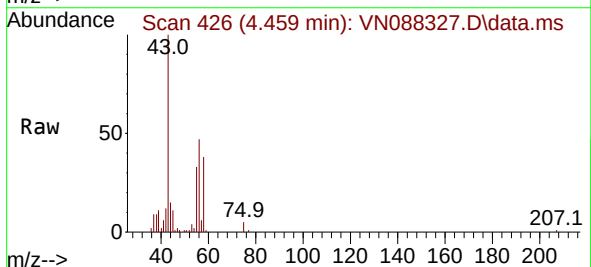


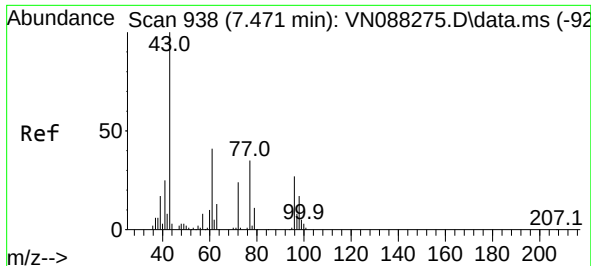
Tgt Ion: 53 Resp: 821
Ion Ratio Lower Upper
53 100
52 9.4 42.3 126.9#
51 70.8 18.4 55.2#



#15
Acetone
Concen: 70.540 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.041 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

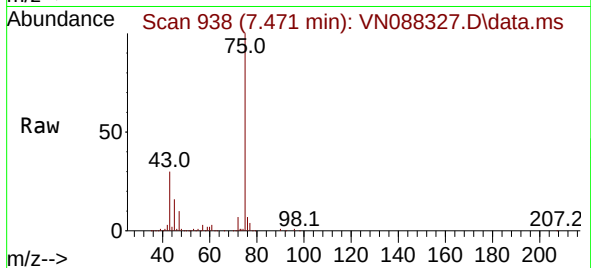
Tgt Ion: 58 Resp: 22913
Ion Ratio Lower Upper
58 100
43 304.6 273.9 410.9



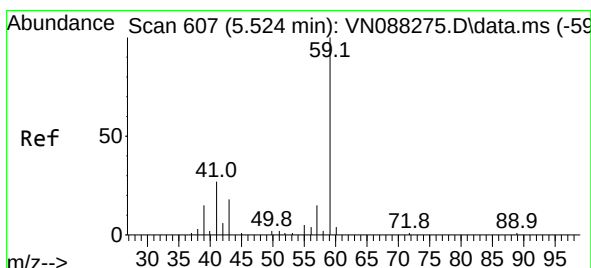
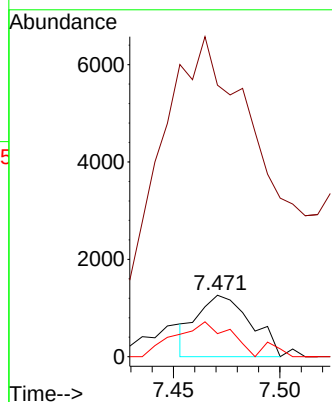
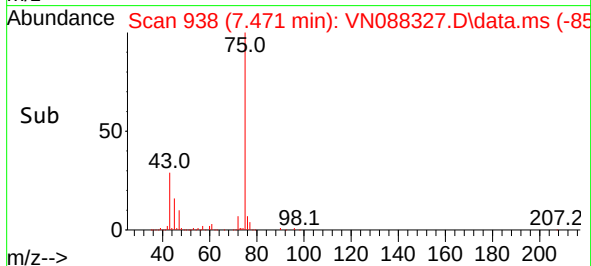


#22
 cis-1,2-Dichloroethene
 Concen: 1.069 ug/l
 RT: 7.471 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VN088327.D
 Acq: 20 Nov 2025 13:25

Instrument :
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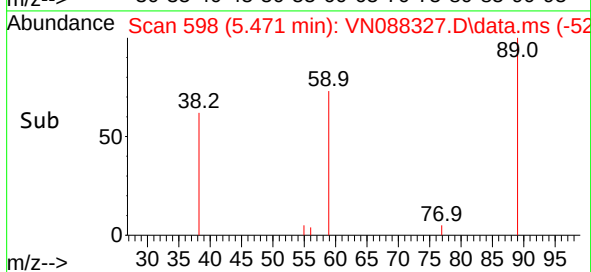
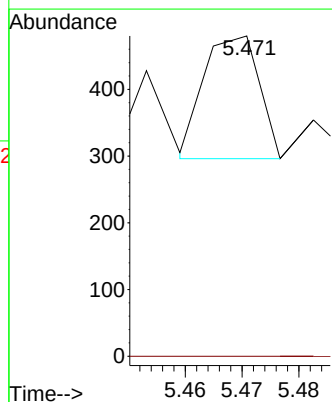
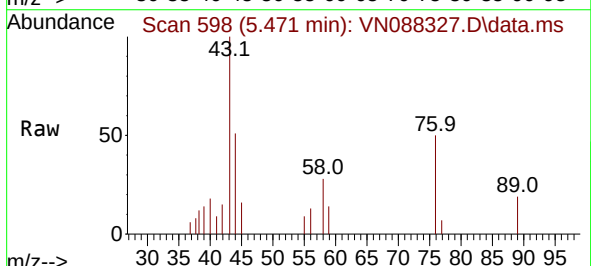


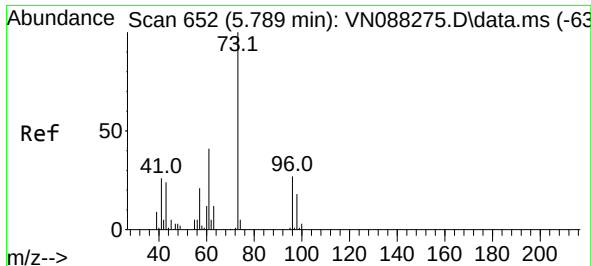
Tgt Ion: 96 Resp: 2192
 Ion Ratio Lower Upper
 96 100
 61 716.8 131.2 196.8#
 98 58.6 51.0 76.4



#23
 tert-Butyl Alcohol
 Concen: 0.306 ug/l
 RT: 5.471 min Scan# 598
 Delta R.T. -0.053 min
 Lab File: VN088327.D
 Acq: 20 Nov 2025 13:25

Tgt Ion: 59 Resp: 125
 Ion Ratio Lower Upper
 59 100
 52 46.4 0.0 0.0#

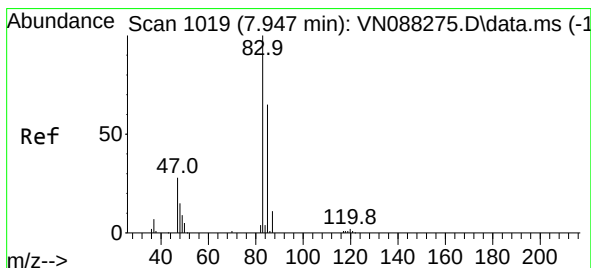
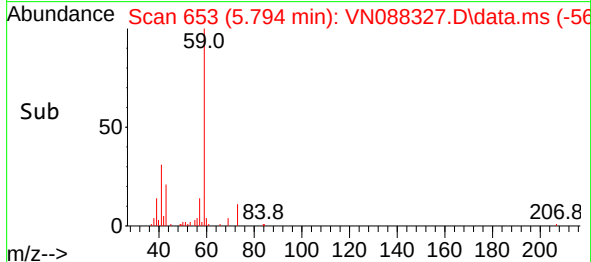
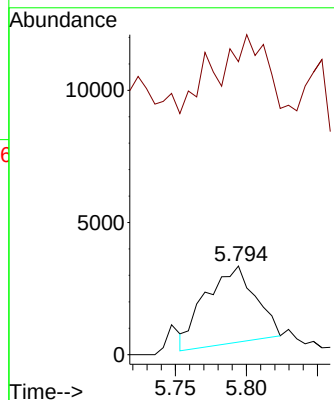
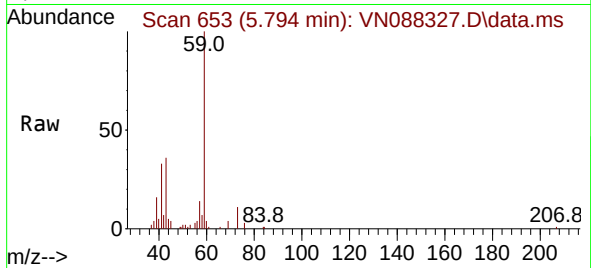




#24
Methyl tert-Butyl Ether
Concen: 1.172 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

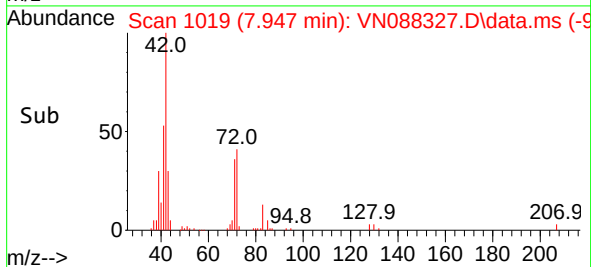
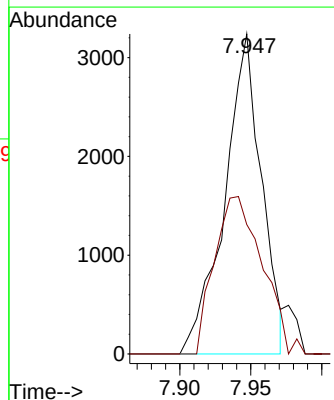
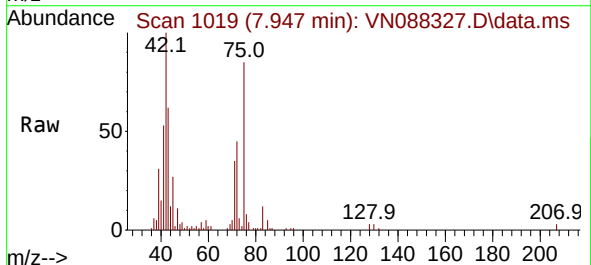
Instrument :
MSVOA_N
ClientSampleId :

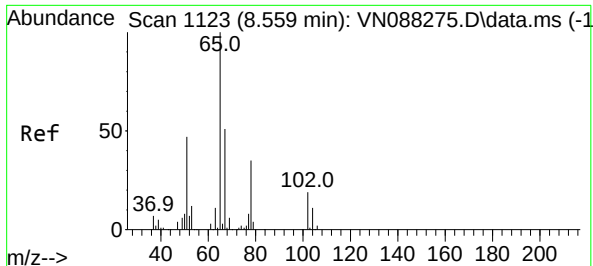
Tgt Ion: 73 Resp: 7162
Ion Ratio Lower Upper
73 100
43 14.9 18.5 27.7#



#25
Chloroform
Concen: 1.669 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion: 83 Resp: 5864
Ion Ratio Lower Upper
83 100
85 40.5 52.2 78.4#

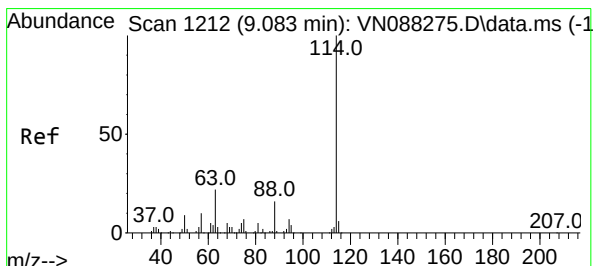
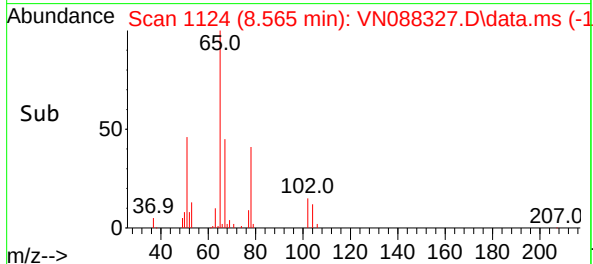
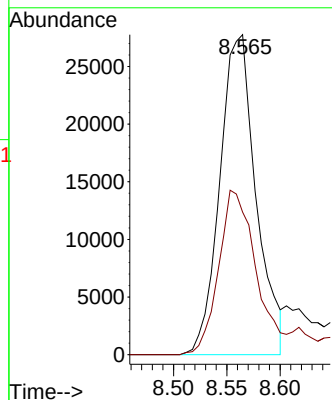
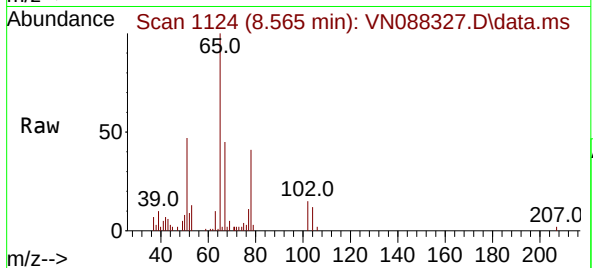




#27
1,2-Dichloroethane-d4
Concen: 26.117 ug/l
RT: 8.565 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

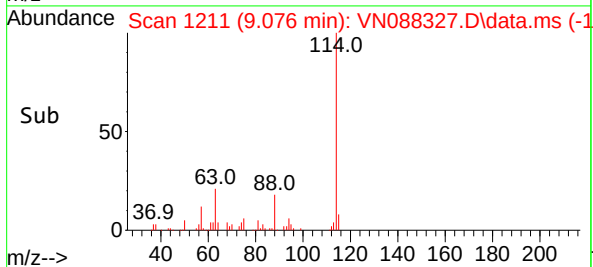
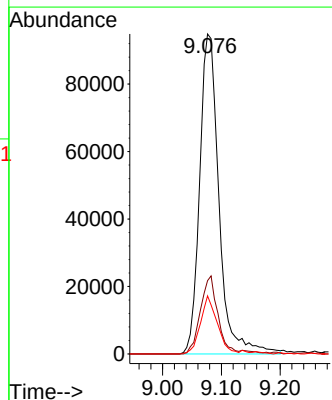
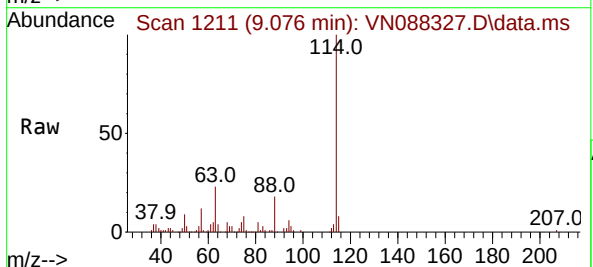
Instrument :
MSVOA_N
ClientSampleId :

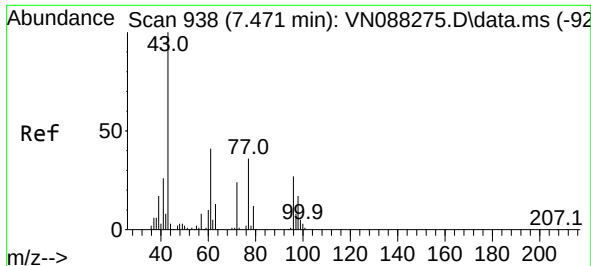
Tgt Ion: 65 Resp: 65735
Ion Ratio Lower Upper
65 100
67 53.2 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.076 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

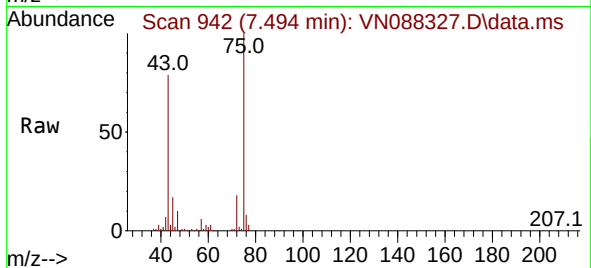
Tgt Ion: 114 Resp: 217180
Ion Ratio Lower Upper
114 100
63 21.9 18.9 28.3
88 15.8 12.8 19.2



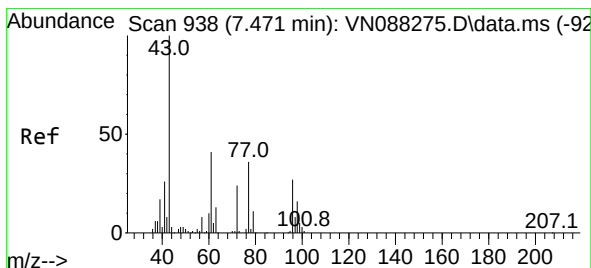
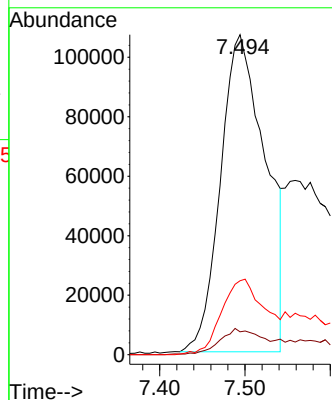
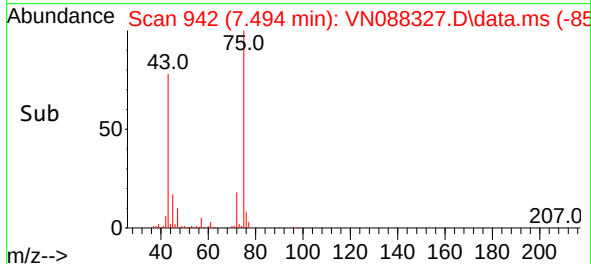


#30
2-Butanone
Concen: 167.332 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.023 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Instrument :
MSVOA_N
ClientSampleId :

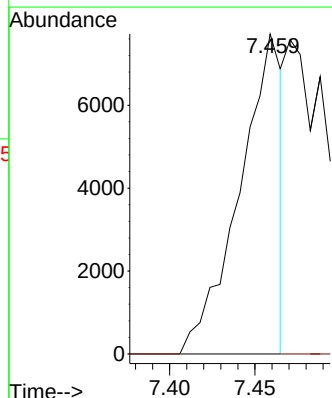
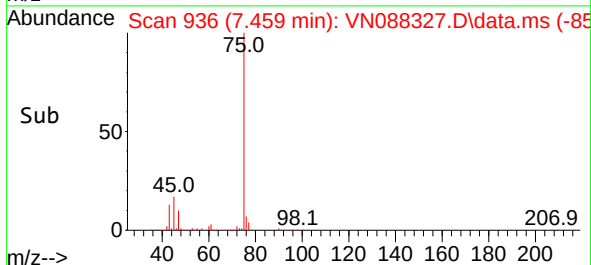
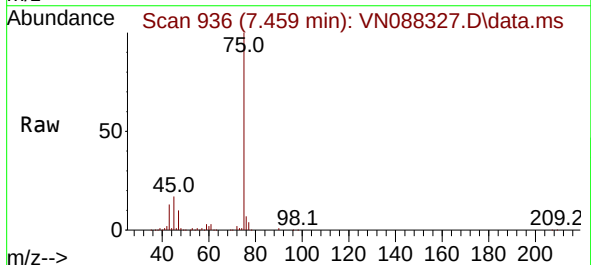


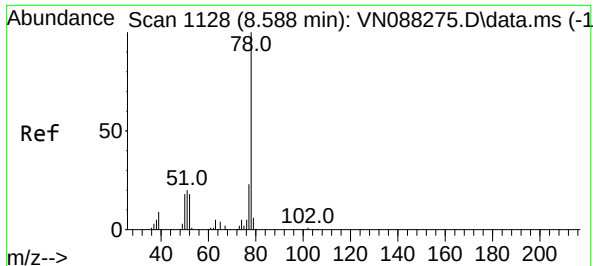
Tgt Ion: 43 Resp: 392237
Ion Ratio Lower Upper
43 100
57 7.0 6.2 9.4
72 23.3 19.4 29.2



#31
2,2-Dichloropropane
Concen: 2.986 ug/l
RT: 7.459 min Scan# 936
Delta R.T. -0.012 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion: 77 Resp: 13346
Ion Ratio Lower Upper
77 100
97 0.0 16.8 25.2#

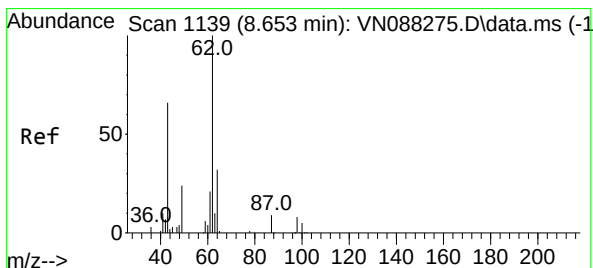
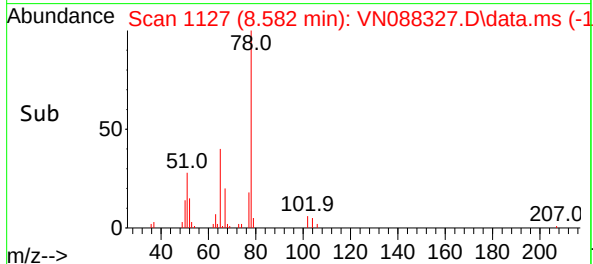
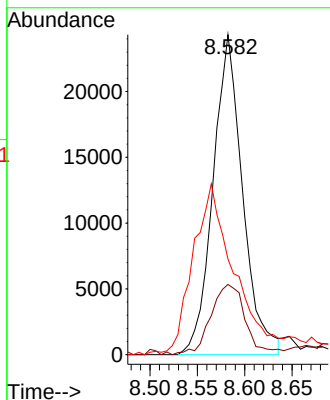
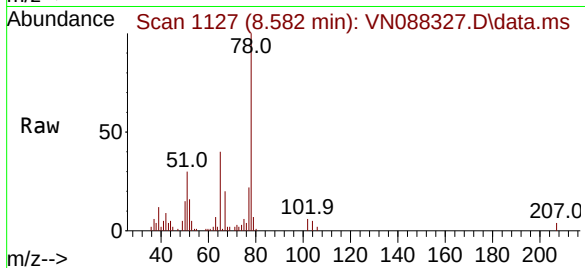




#34
Benzene
Concen: 4.881 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

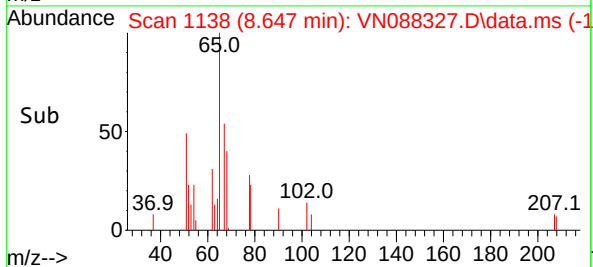
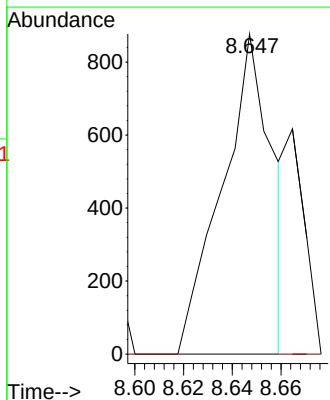
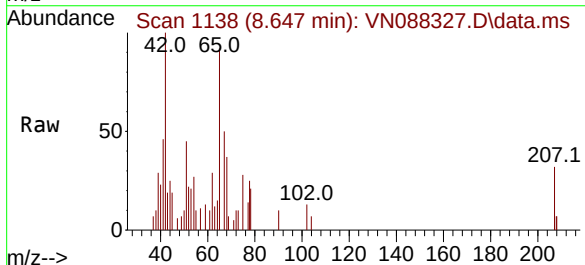
Instrument :
MSVOA_N
ClientSampleId :

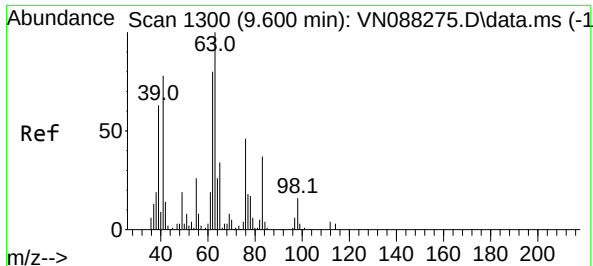
Tgt Ion: 78 Resp: 52873
Ion Ratio Lower Upper
78 100
77 21.3 18.6 27.8
51 24.7 15.8 23.8#



#36
1,2-Dichloroethane
Concen: 0.294 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion: 62 Resp: 1241
Ion Ratio Lower Upper
62 100
98 0.0 6.8 10.2#

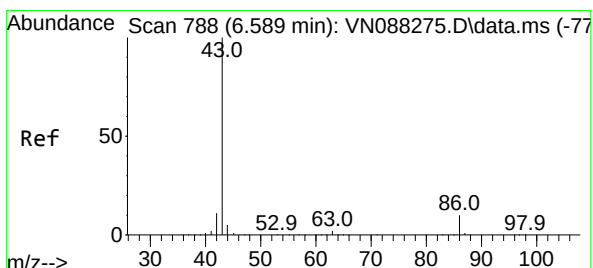
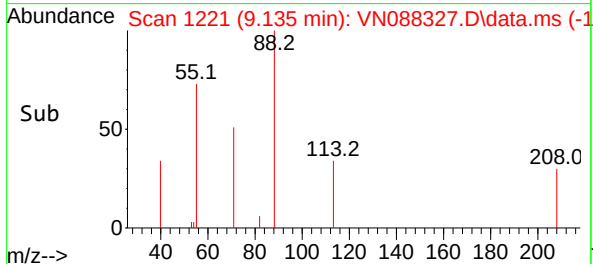
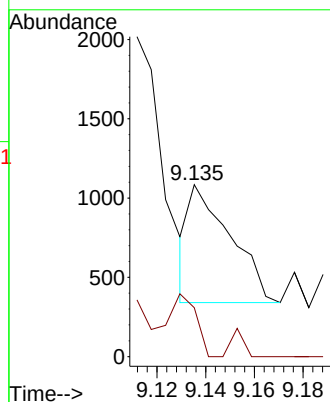
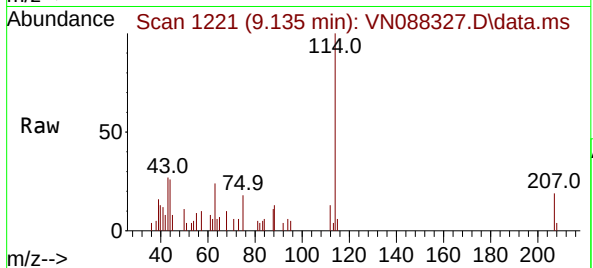




#39
1,2-Dichloropropane
Concen: 0.317 ug/l
RT: 9.135 min Scan# 11
Delta R.T. -0.465 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

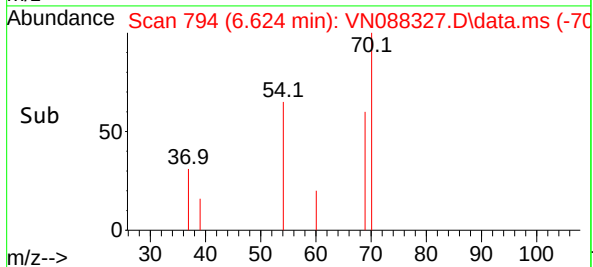
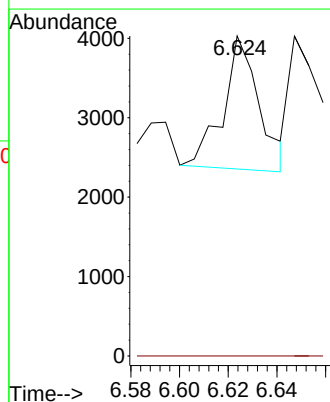
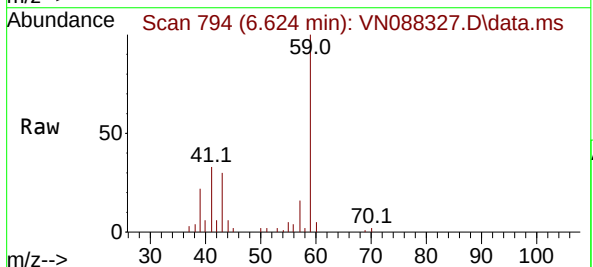
Instrument :
MSVOA_N
ClientSampleId :

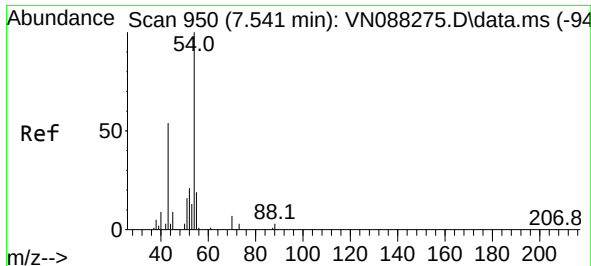
Tgt Ion: 63 Resp: 886
Ion Ratio Lower Upper
63 100
65 41.5 27.8 41.6



#42
Vinyl Acetate
Concen: 0.218 ug/l
RT: 6.624 min Scan# 794
Delta R.T. 0.035 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
86 0.0 7.4 11.2#





#43

Ethyl Acetate

Concen: 83.165 ug/l

RT: 7.494 min Scan# 94

Delta R.T. -0.047 min

Lab File: VN088327.D

Acq: 20 Nov 2025 13:25

Instrument :

MSVOA_N

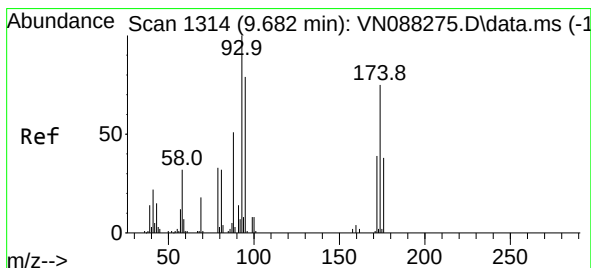
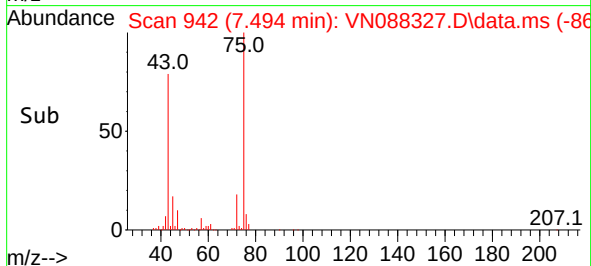
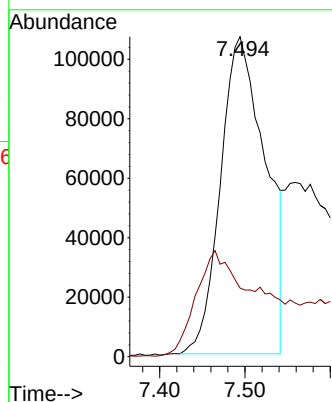
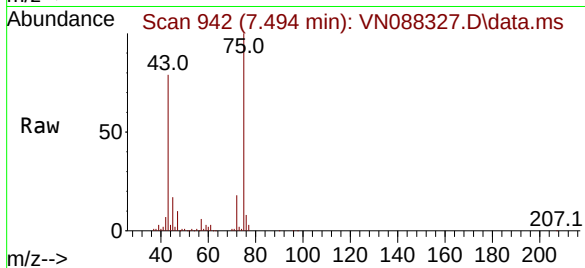
ClientSampleId :

Tgt Ion: 43 Resp: 392237

Ion Ratio Lower Upper

43 100

45 34.1 9.9 14.9#



#45

1,4-Dioxane

Concen: 6.511 ug/l

RT: 9.765 min Scan# 1328

Delta R.T. 0.082 min

Lab File: VN088327.D

Acq: 20 Nov 2025 13:25

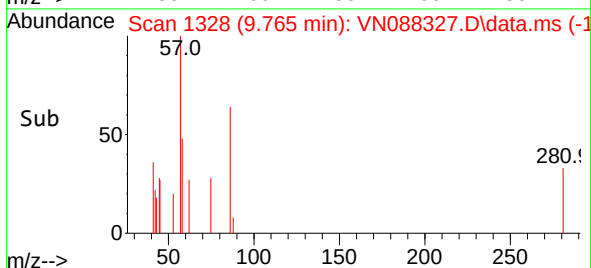
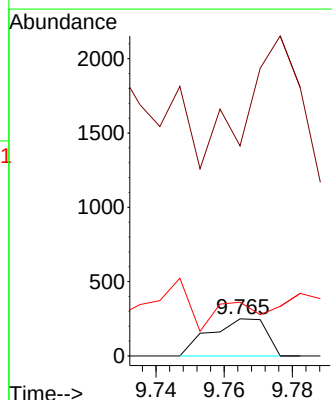
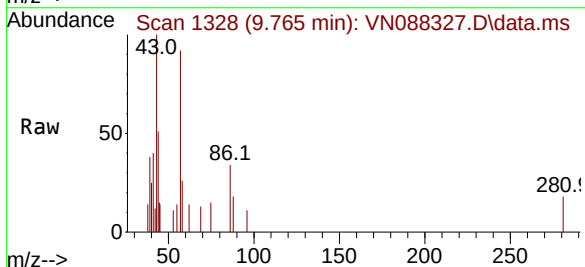
Tgt Ion: 88 Resp: 285

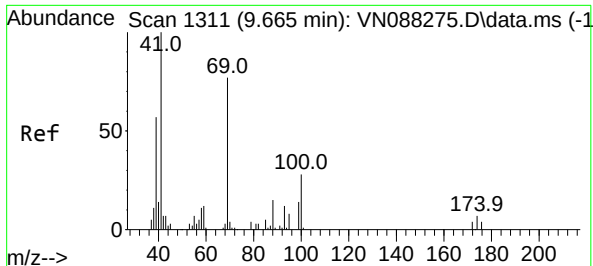
Ion Ratio Lower Upper

88 100

43 0.0 27.8 41.8#

58 122.1 59.5 89.3#

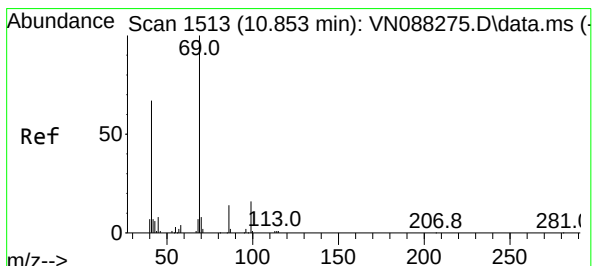
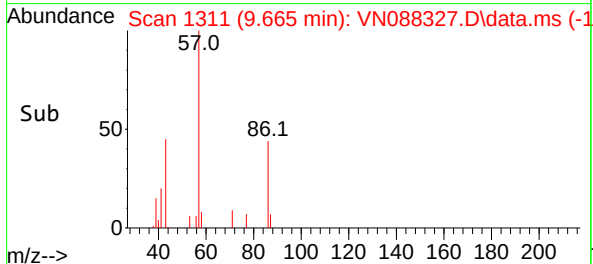
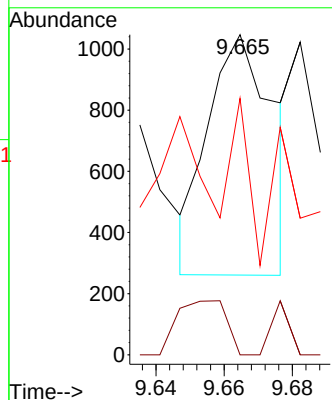
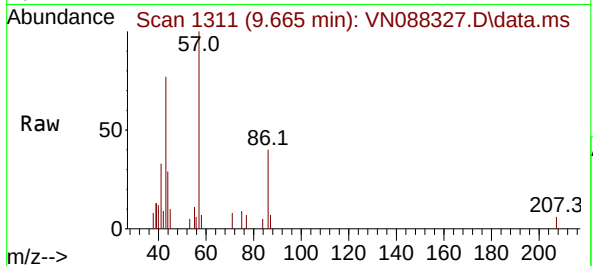




#46
Methyl methacrylate
Concen: 0.308 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

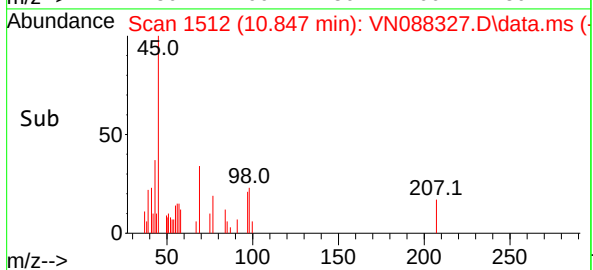
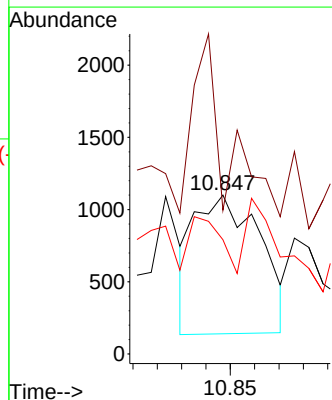
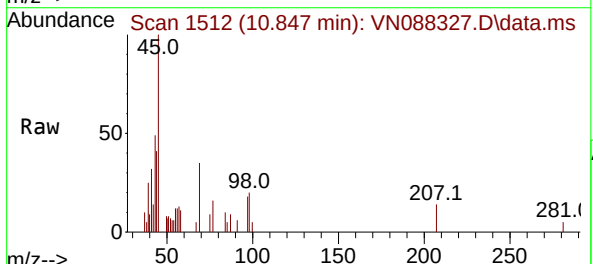
Instrument :
MSVOA_N
ClientSampleId :

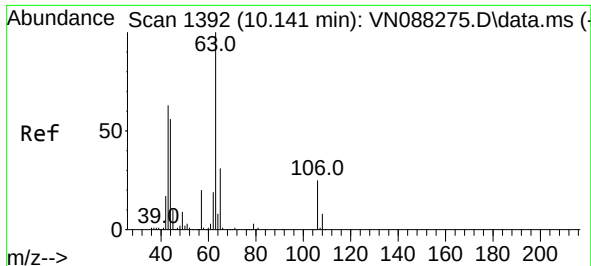
Tgt Ion: 41 Resp: 1046
Ion Ratio Lower Upper
41 100
69 0.0 38.5 115.3#
39 16.1 29.0 87.1#



#51
Ethyl methacrylate
Concen: 0.444 ug/l
RT: 10.847 min Scan# 1512
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

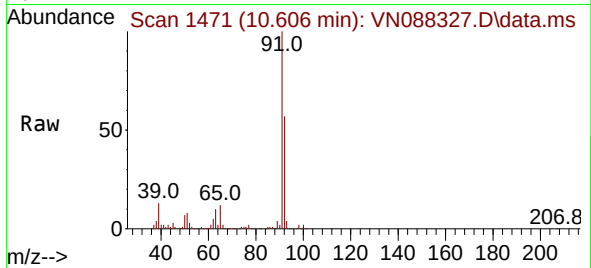
Tgt Ion: 69 Resp: 1815
Ion Ratio Lower Upper
69 100
41 7.1 33.6 100.8#
39 33.9 23.4 70.2



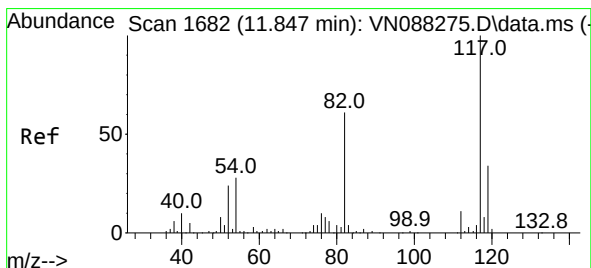
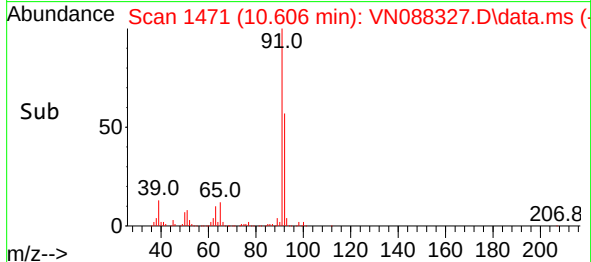
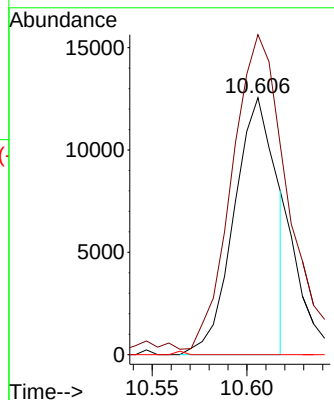


#55
2-Chloroethyl vinyl ether
Concen: 8.301 ug/l
RT: 10.606 min Scan# 14
Delta R.T. 0.464 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Instrument :
MSVOA_N
ClientSampleId :

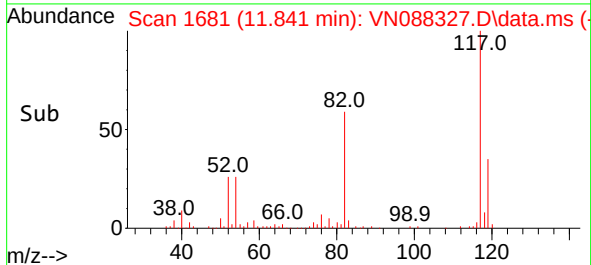
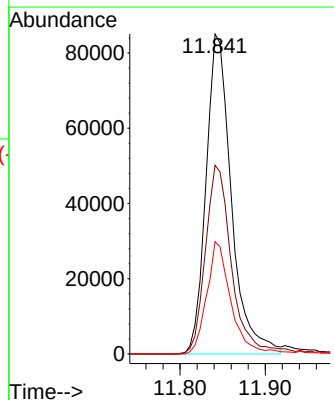
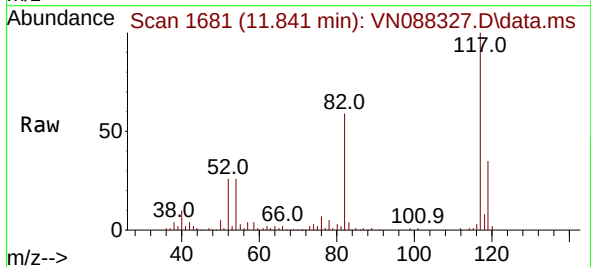


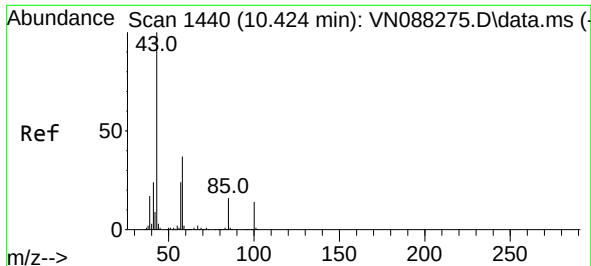
Tgt Ion: 63 Resp: 19532
Ion Ratio Lower Upper
63 100
65 130.9 24.9 37.3#
106 0.0 20.3 30.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

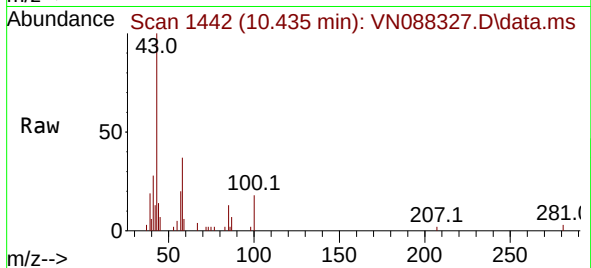
Tgt Ion: 117 Resp: 175833
Ion Ratio Lower Upper
117 100
82 60.9 49.3 73.9
119 32.7 26.4 39.6



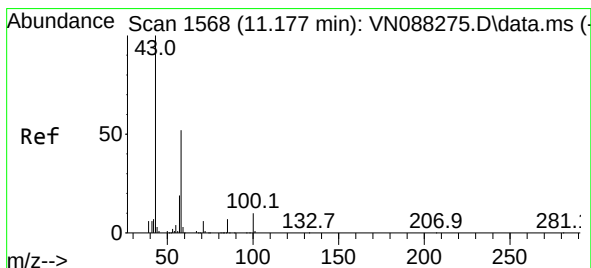
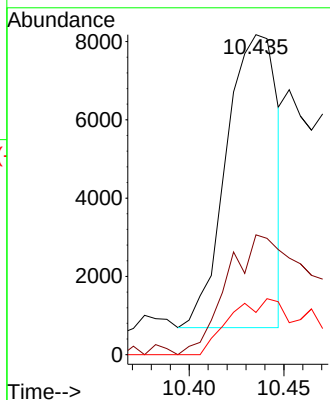
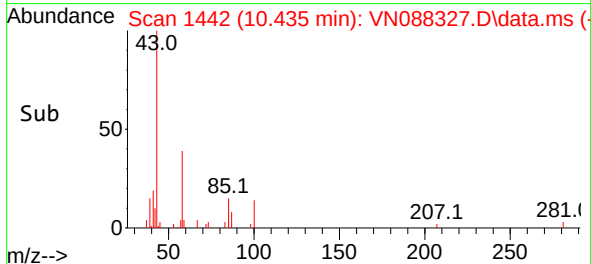


#58
4-Methyl-2-Pentanone
Concen: 3.510 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.012 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Instrument :
MSVOA_N
ClientSampleId :

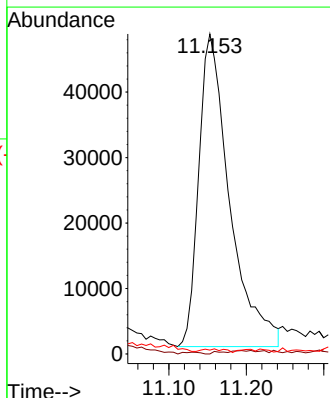
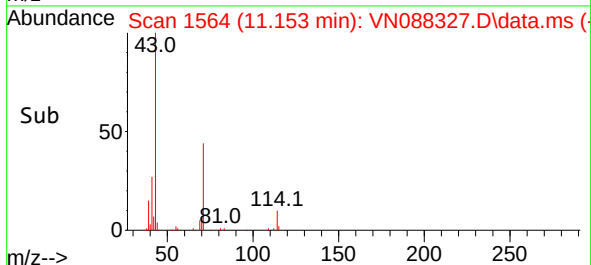
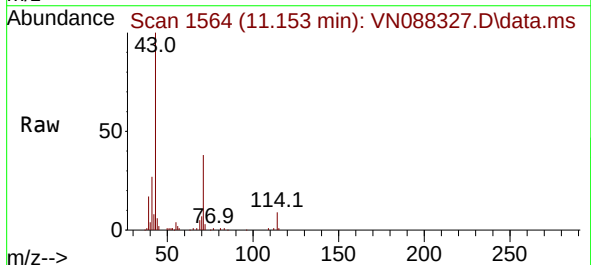


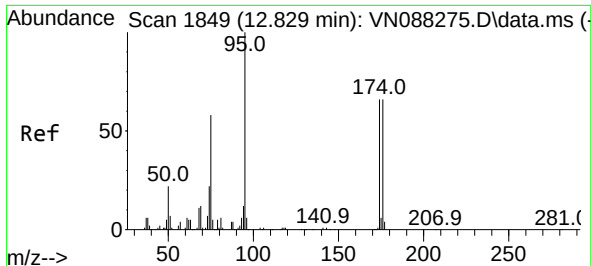
Tgt Ion: 43 Resp: 13960
Ion Ratio Lower Upper
43 100
58 70.5 29.2 43.8#
85 7.3 12.6 19.0#



#59
2-Hexanone
Concen: 50.153 ug/l
RT: 11.153 min Scan# 1564
Delta R.T. -0.024 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion: 43 Resp: 132444
Ion Ratio Lower Upper
43 100
58 0.3 41.0 61.4#
57 0.2 14.4 21.6#

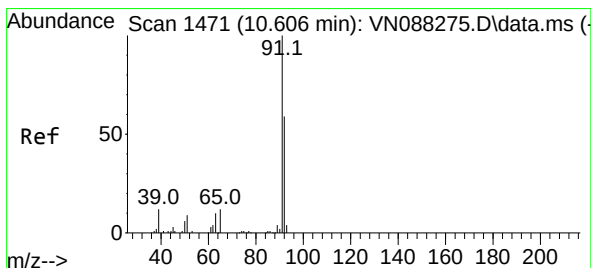
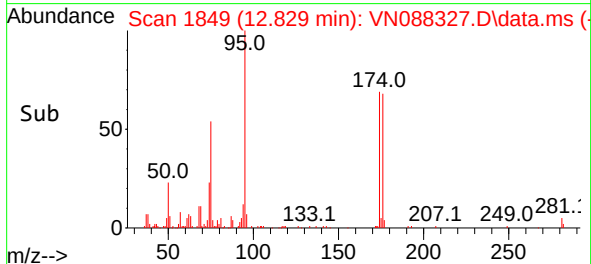
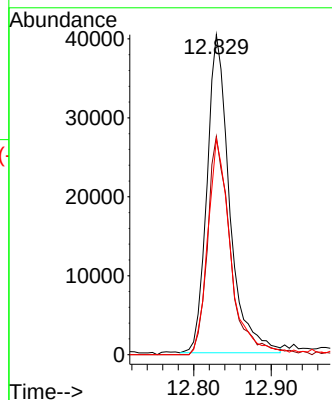
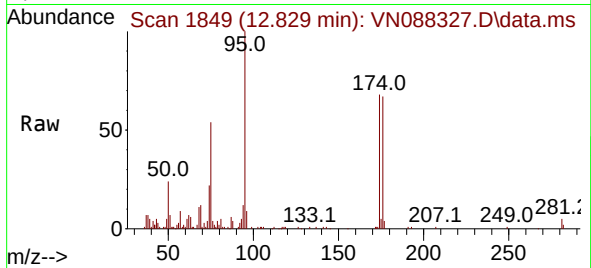




#60
4-Bromofluorobenzene
Concen: 27.509 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

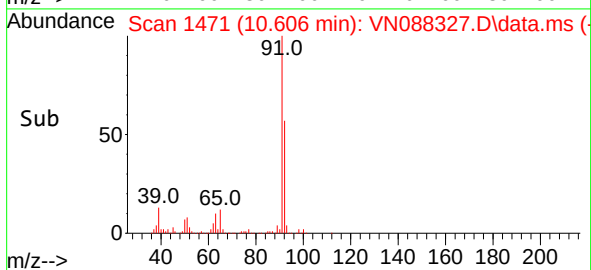
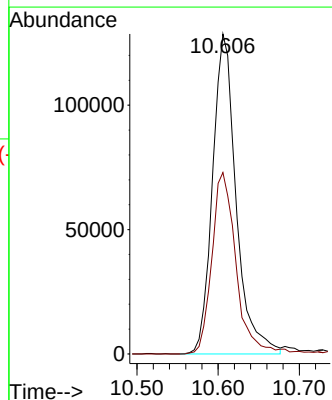
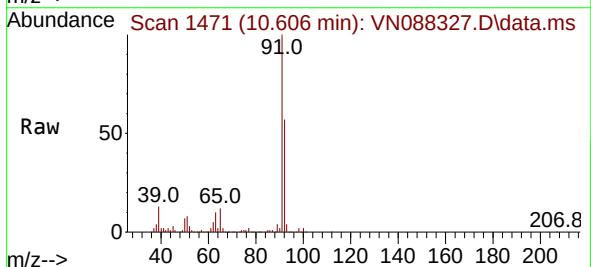
Instrument :
MSVOA_N
ClientSampleId :

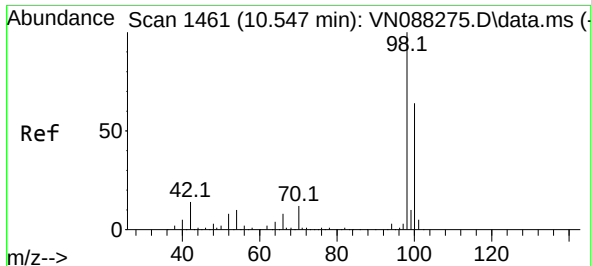
Tgt Ion: 95 Resp: 81767
Ion Ratio Lower Upper
95 100
174 66.5 54.5 81.7
176 68.6 53.8 80.6



#62
Toluene
Concen: 25.749 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion: 91 Resp: 259813
Ion Ratio Lower Upper
91 100
92 57.2 46.7 70.1

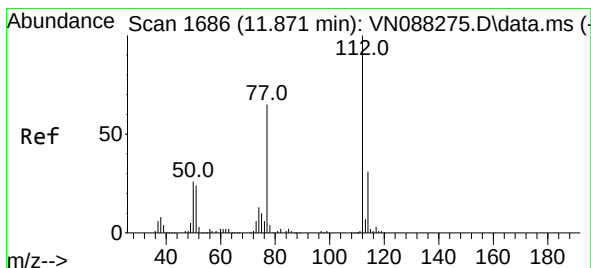
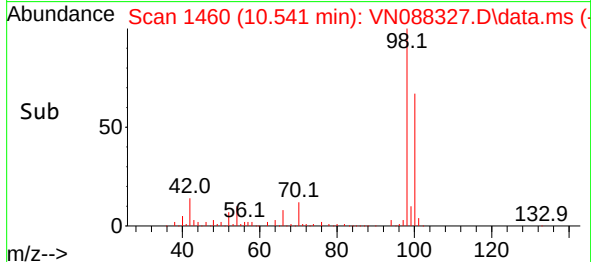
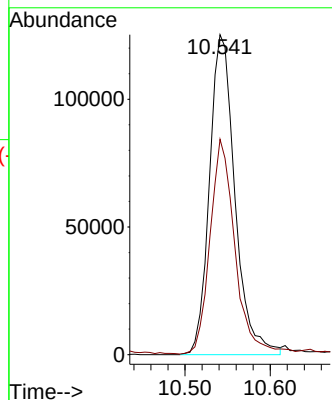
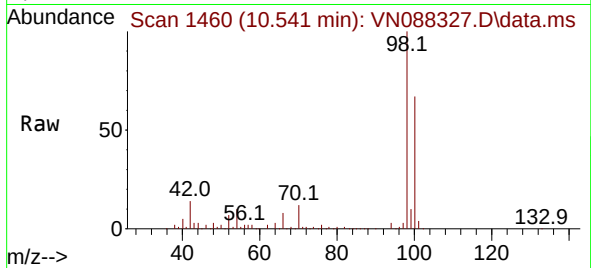




#63
Toluene-d8
Concen: 31.226 ug/l
RT: 10.541 min Scan# 1461
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

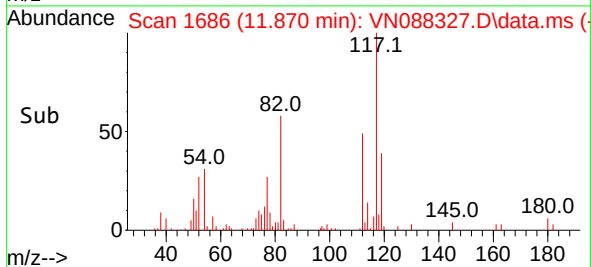
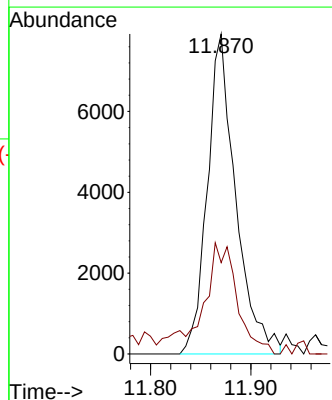
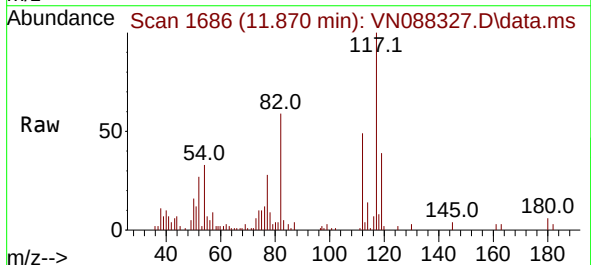
Instrument :
MSVOA_N
ClientSampleId :

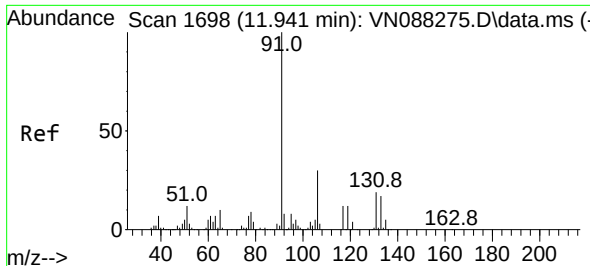
Tgt Ion: 98 Resp: 259939
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#64
Chlorobenzene
Concen: 2.497 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion:112 Resp: 15603
Ion Ratio Lower Upper
112 100
114 28.6 25.0 37.4

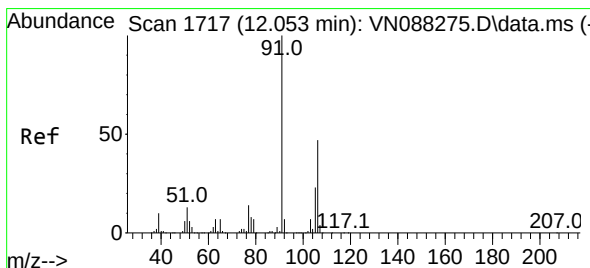
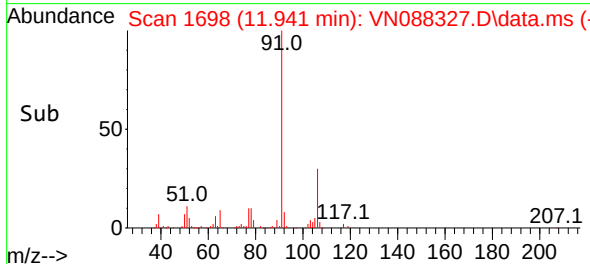
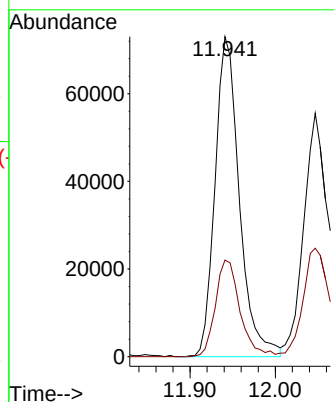
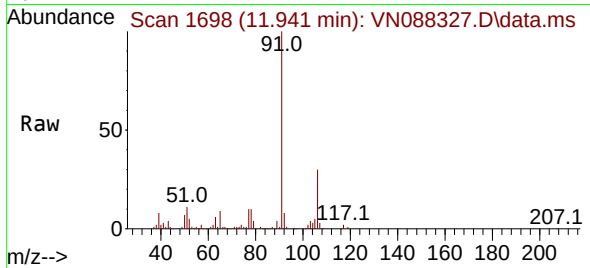




#66
Ethyl Benzene
Concen: 13.042 ug/l
RT: 11.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

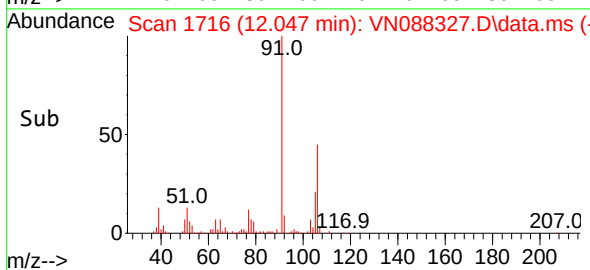
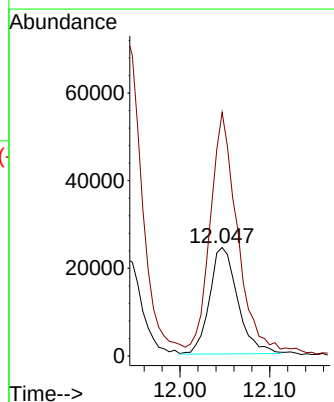
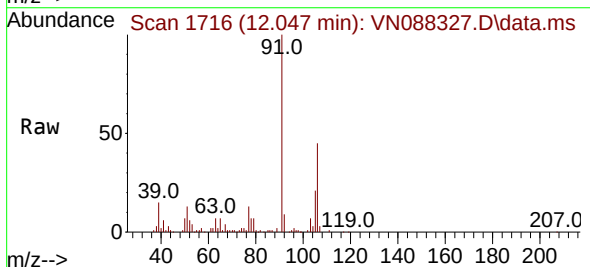
Instrument :
MSVOA_N
ClientSampleId :

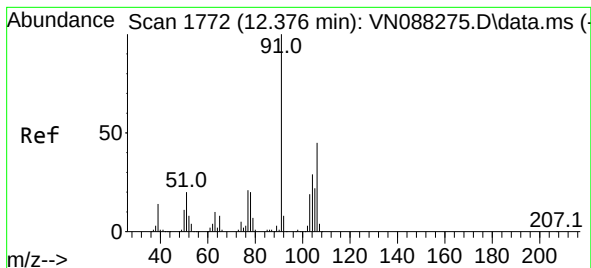
Tgt Ion: 91 Resp: 145041
Ion Ratio Lower Upper
91 100
106 30.2 24.4 36.6



#67
m/p-Xylenes
Concen: 12.712 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion:106 Resp: 52869
Ion Ratio Lower Upper
106 100
91 210.6 168.3 252.5





#68

o-Xylene

Concen: 7.420 ug/l

RT: 12.376 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VN088327.D

Acq: 20 Nov 2025 13:25

Instrument :

MSVOA_N

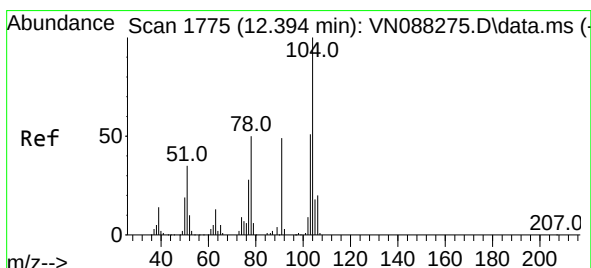
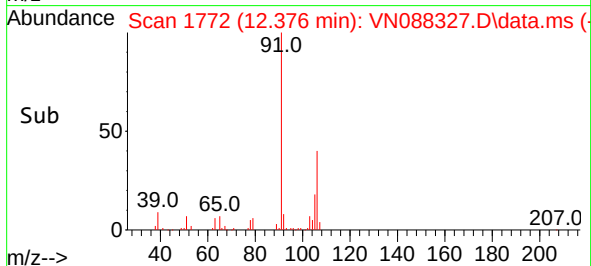
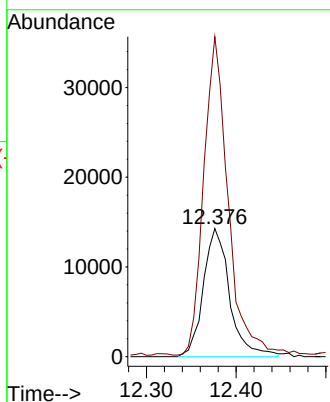
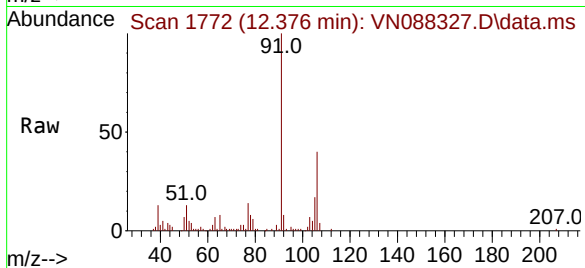
ClientSampleId :

Tgt Ion:106 Resp: 29110

Ion Ratio Lower Upper

106 100

91 230.3 114.0 342.0



#69

Styrene

Concen: 1.072 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. 0.006 min

Lab File: VN088327.D

Acq: 20 Nov 2025 13:25

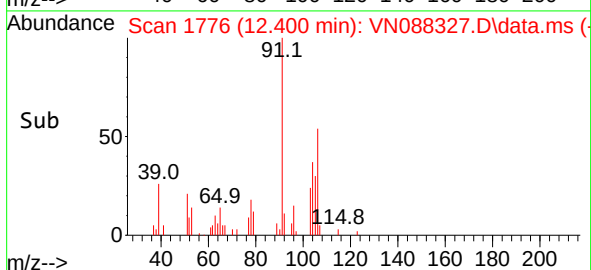
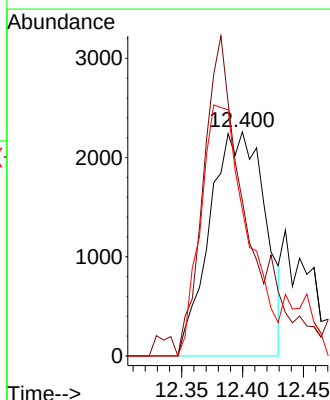
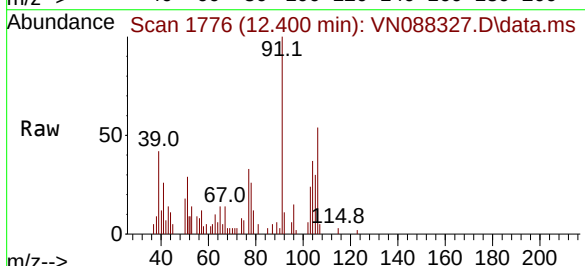
Tgt Ion:104 Resp: 7144

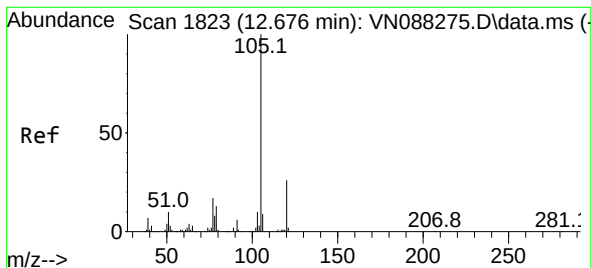
Ion Ratio Lower Upper

104 100

78 95.9 43.8 65.8#

103 93.6 44.8 67.2#





#70

Isopropylbenzene

Concen: 1.890 ug/l

RT: 12.670 min Scan# 1822

Delta R.T. -0.006 min

Lab File: VN088327.D

Acq: 20 Nov 2025 13:25

Instrument :

MSVOA_N

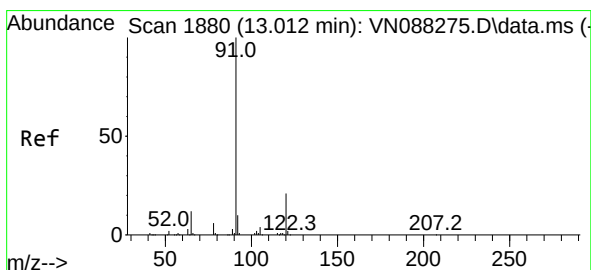
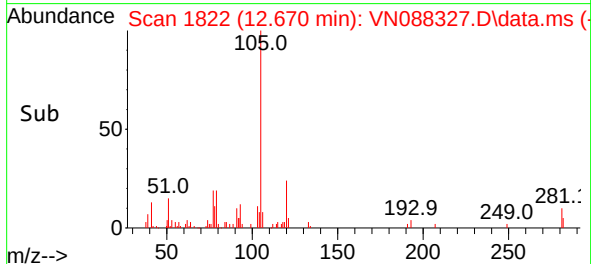
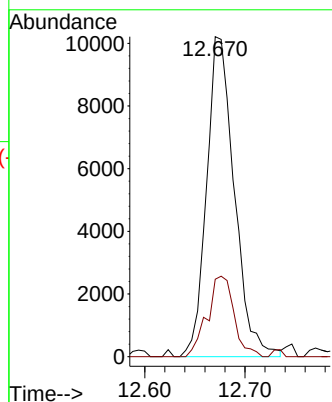
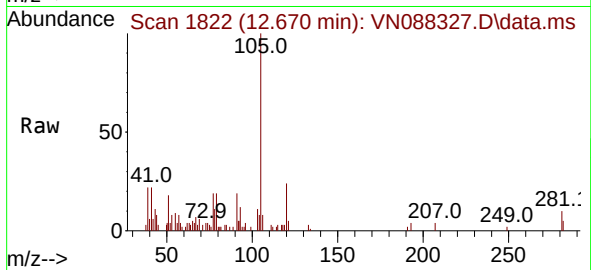
ClientSampleId :

Tgt Ion:105 Resp: 19650

Ion Ratio Lower Upper

105 100

120 24.2 18.2 33.8



#74

n-propylbenzene

Concen: 0.623 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088327.D

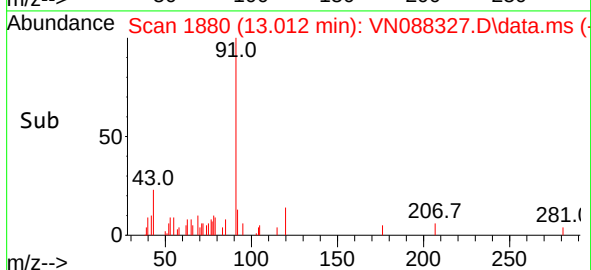
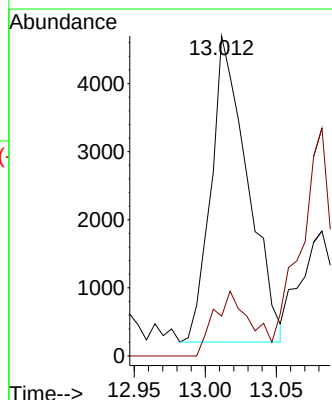
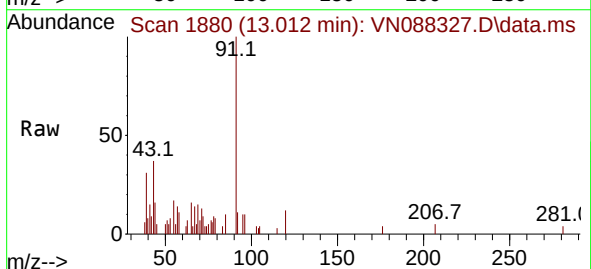
Acq: 20 Nov 2025 13:25

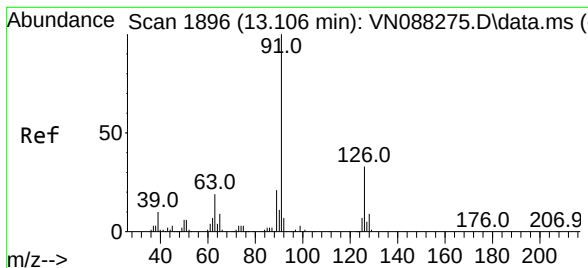
Tgt Ion: 91 Resp: 8012

Ion Ratio Lower Upper

91 100

120 21.4 0.0 43.2

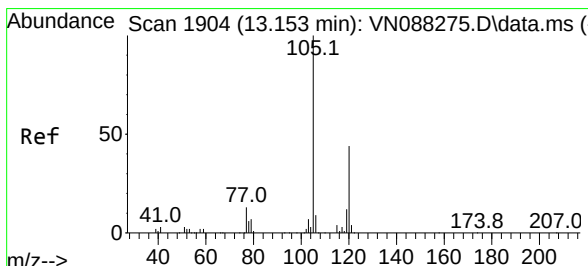
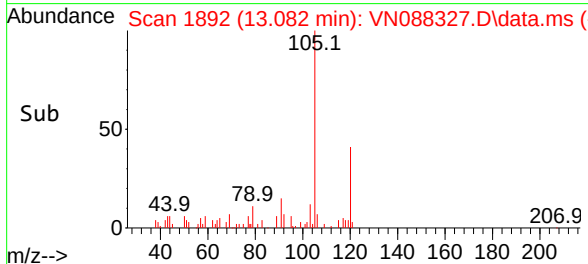
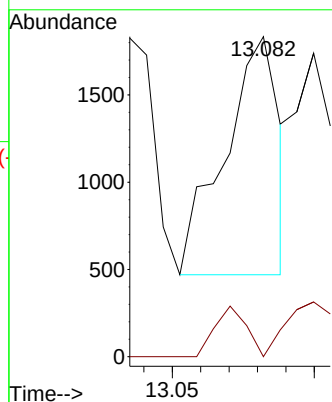
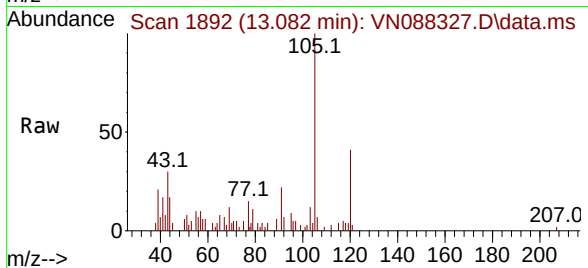




#75
2-Chlorotoluene
Concen: 0.232 ug/l
RT: 13.082 min Scan# 1896
Delta R.T. -0.024 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

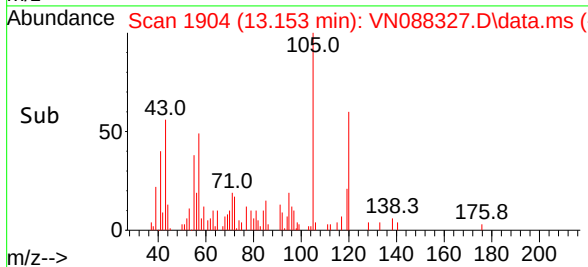
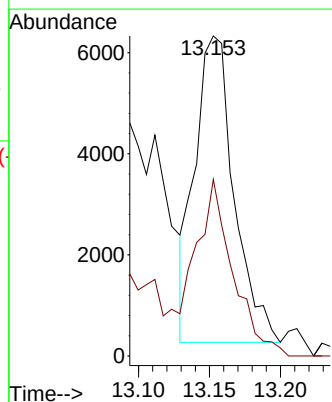
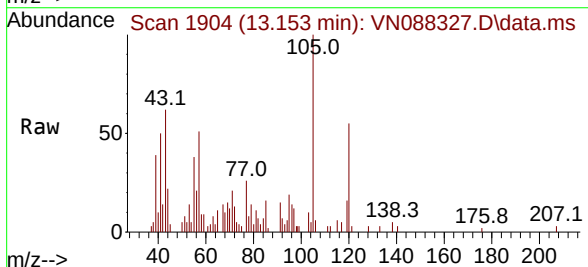
Instrument :
MSVOA_N
ClientSampleId :

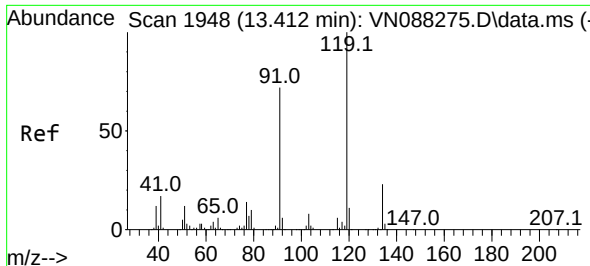
Tgt Ion: 91 Resp: 1817
Ion Ratio Lower Upper
91 100
126 12.2 0.0 62.0



#76
1,3,5-Trimethylbenzene
Concen: 1.329 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

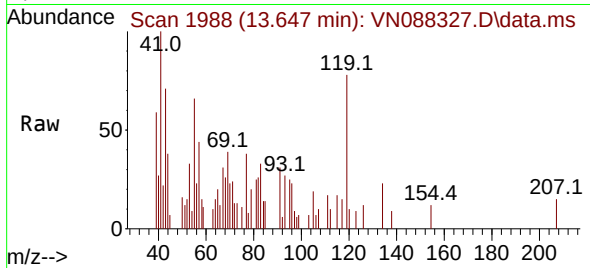
Tgt Ion: 105 Resp: 11600
Ion Ratio Lower Upper
105 100
120 54.1 0.0 94.6



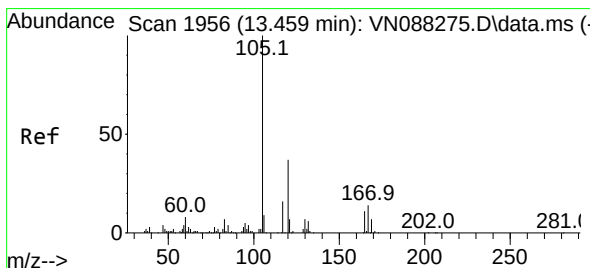
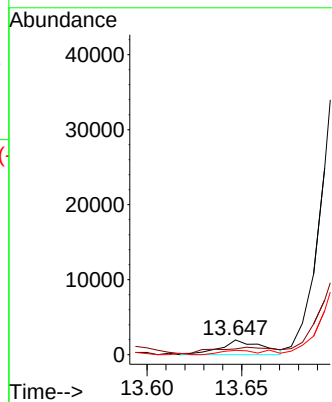
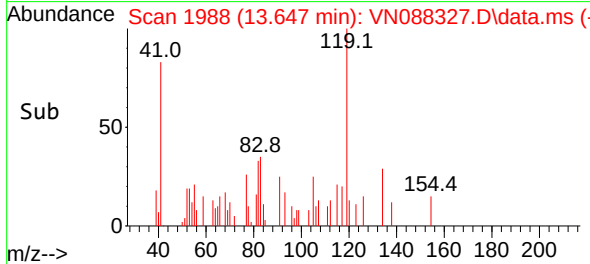


#79
 tert-butylbenzene
 Concen: 0.402 ug/l
 RT: 13.647 min Scan# 1948
 Delta R.T. 0.235 min
 Lab File: VN088327.D
 Acq: 20 Nov 2025 13:25

Instrument :
 MSVOA_N
 ClientSampleId :

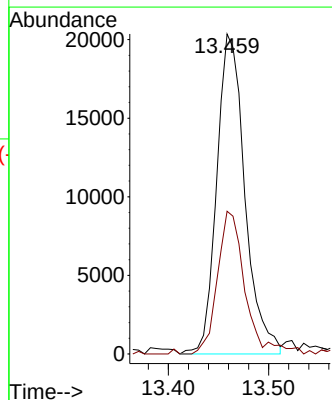
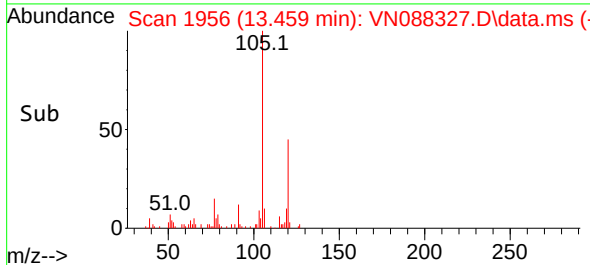
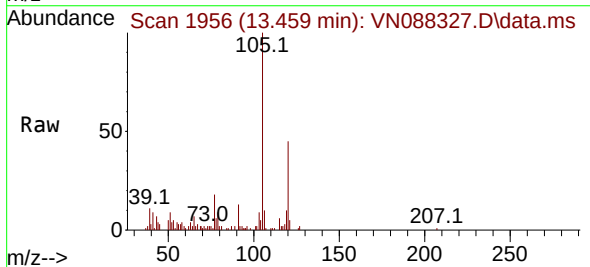


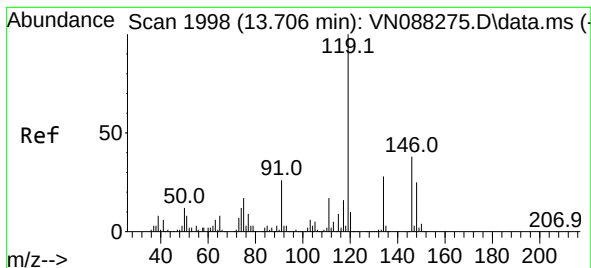
Tgt Ion:119 Resp: 3001
 Ion Ratio Lower Upper
 119 100
 91 39.7 0.0 140.8
 134 22.7 0.0 48.4



#80
 1,2,4-Trimethylbenzene
 Concen: 4.568 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN088327.D
 Acq: 20 Nov 2025 13:25

Tgt Ion:105 Resp: 39646
 Ion Ratio Lower Upper
 105 100
 120 40.9 0.0 89.2





#82

p-Isopropyltoluene

Concen: 10.742 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.000 min

Lab File: VN088327.D

Acq: 20 Nov 2025 13:25

Instrument :

MSVOA_N

ClientSampleId :

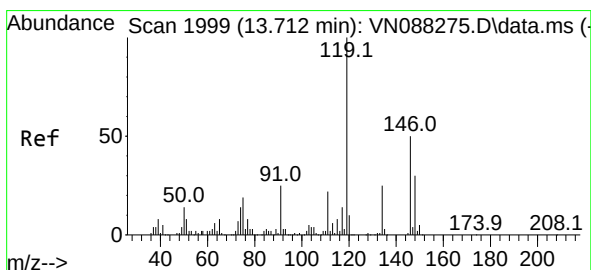
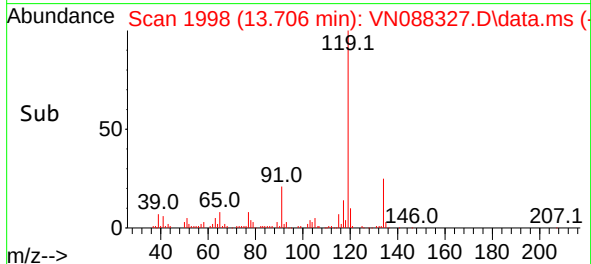
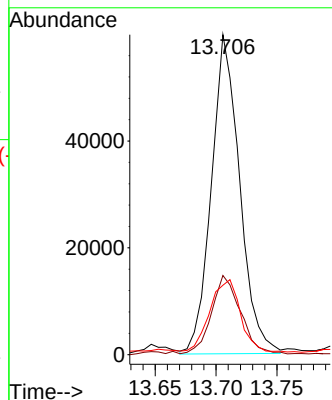
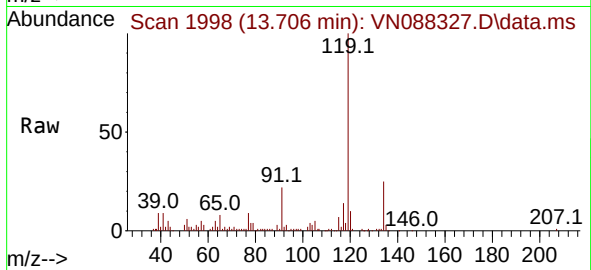
Tgt Ion:119 Resp: 96738

Ion Ratio Lower Upper

119 100

134 25.8 0.0 51.2

91 23.7 0.0 53.4



#83

1,3-Dichlorobenzene

Concen: 3.866 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. 0.076 min

Lab File: VN088327.D

Acq: 20 Nov 2025 13:25

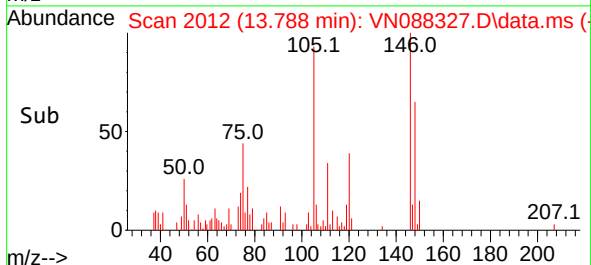
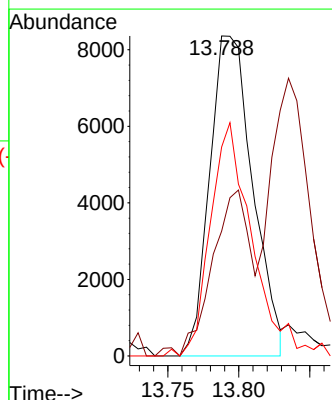
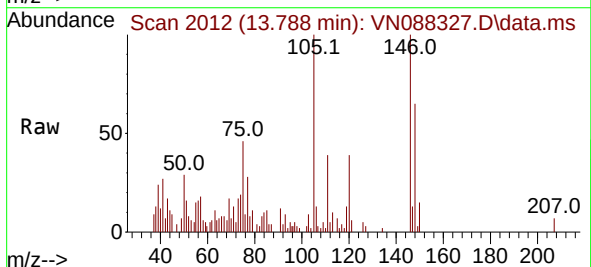
Tgt Ion:146 Resp: 17631

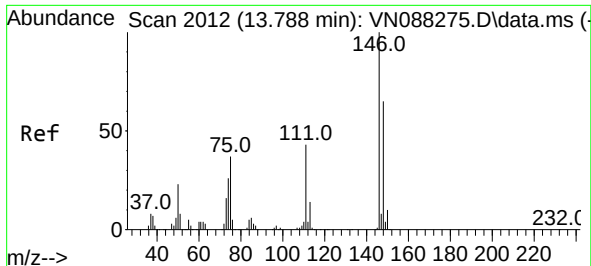
Ion Ratio Lower Upper

146 100

111 45.1 22.1 66.5

148 66.9 31.4 94.3

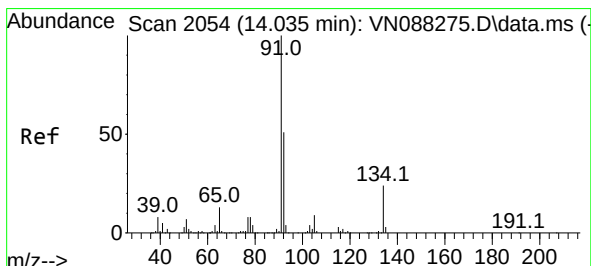
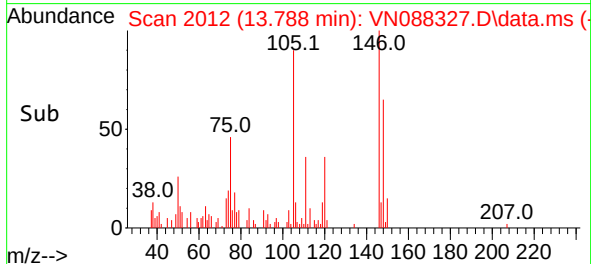
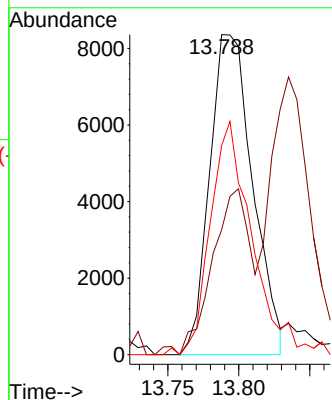
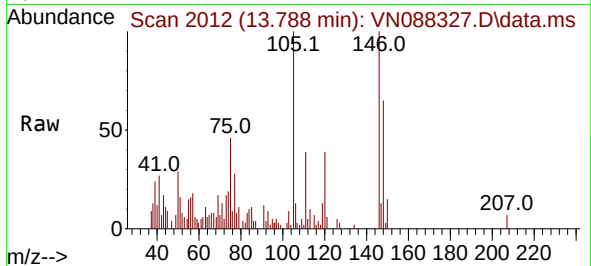




#84
1,4-Dichlorobenzene
Concen: 3.817 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

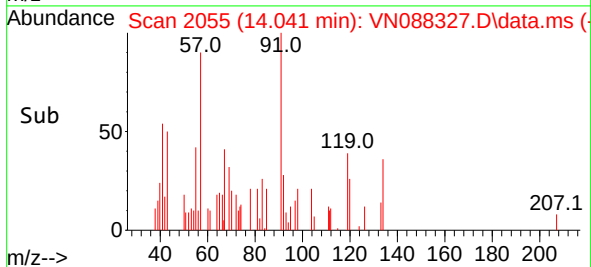
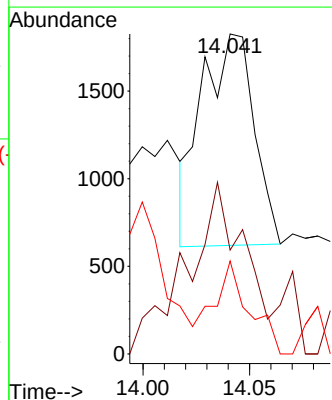
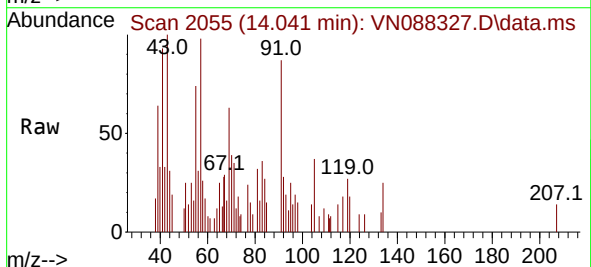
Instrument :
MSVOA_N
ClientSampleId :

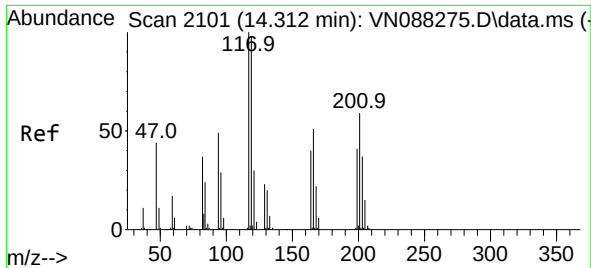
Tgt Ion:146 Resp: 17631
Ion Ratio Lower Upper
146 100
111 45.1 21.8 65.3
148 66.9 31.9 95.5



#85
n-Butylbenzene
Concen: 0.239 ug/l
RT: 14.041 min Scan# 2055
Delta R.T. 0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion: 91 Resp: 2053
Ion Ratio Lower Upper
91 100
92 52.9 0.0 102.4
134 26.4 0.0 45.8

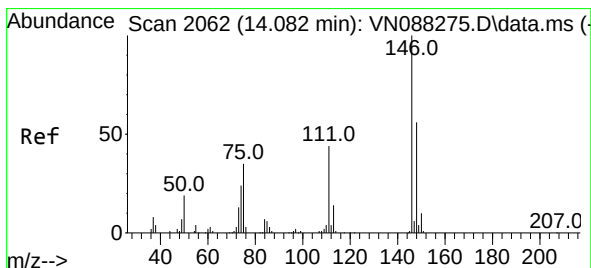
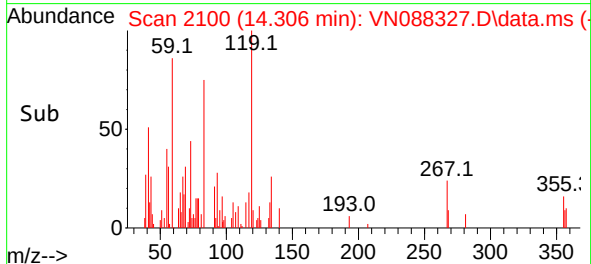
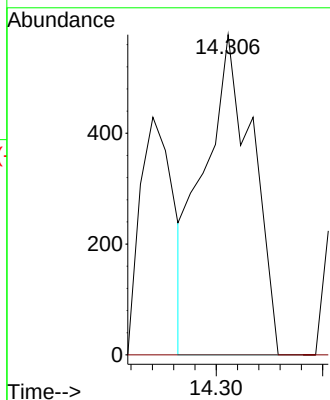
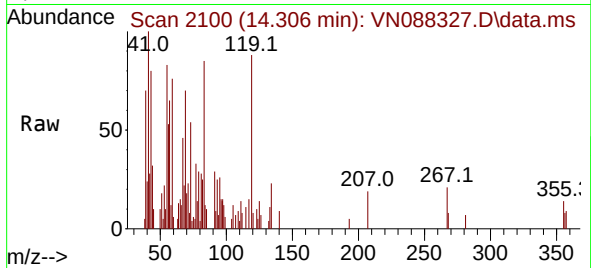




#86
Hexachloroethane
Concen: 0.532 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

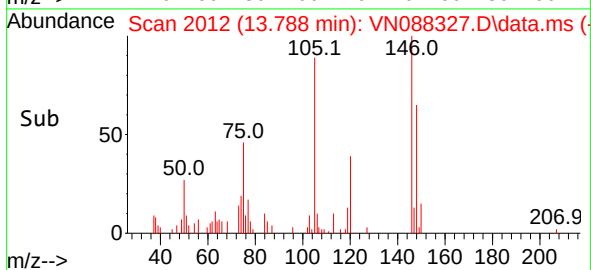
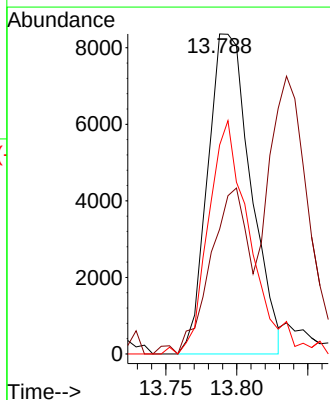
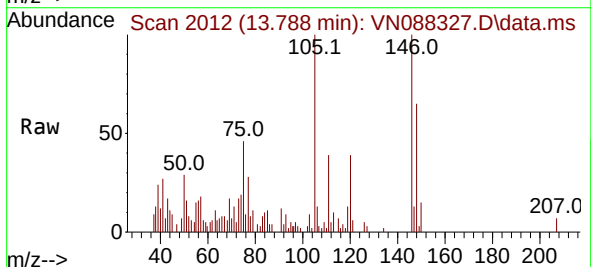
Instrument :
MSVOA_N
ClientSampleId :

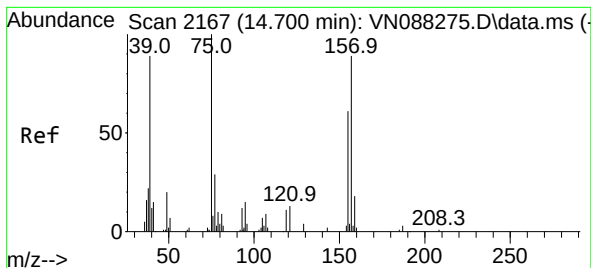
Tgt Ion:117 Resp: 917
Ion Ratio Lower Upper
117 100
201 0.0 30.6 92.0#



#87
1,2-Dichlorobenzene
Concen: 4.096 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.294 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion:146 Resp: 17631
Ion Ratio Lower Upper
146 100
111 45.1 23.0 69.0
148 66.9 31.1 93.2





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.594 ug/l

RT: 14.711 min Scan# 2169

Delta R.T. 0.012 min

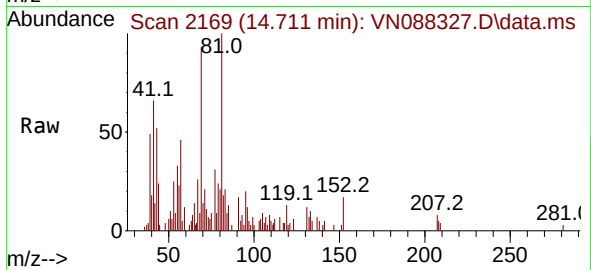
Lab File: VN088327.D

Acq: 20 Nov 2025 13:25

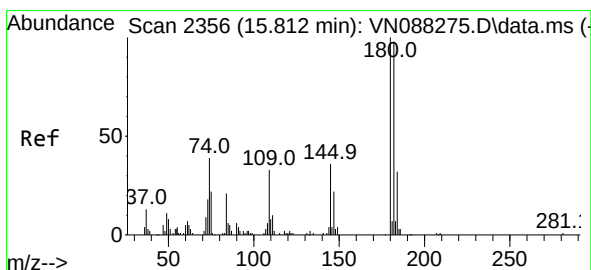
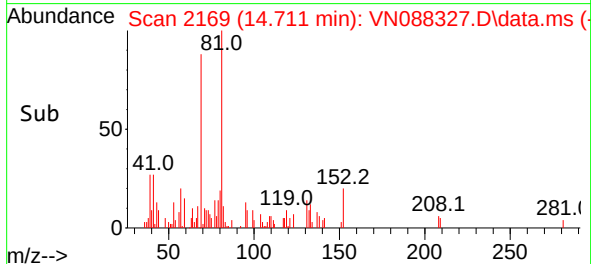
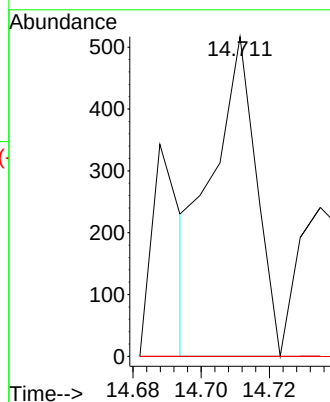
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	470
Ion	Ratio	Lower	Upper
75	100		
155	0.0	54.8	82.2#
157	0.0	70.7	106.1#



#89

1,2,4-Trichlorobenzene

Concen: 0.209 ug/l

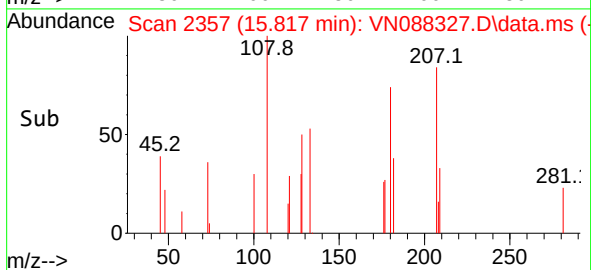
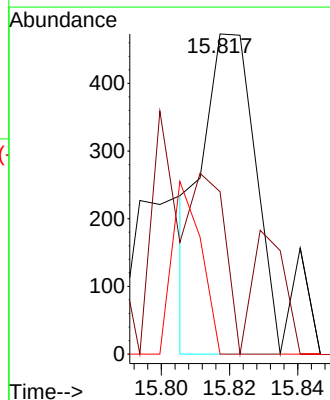
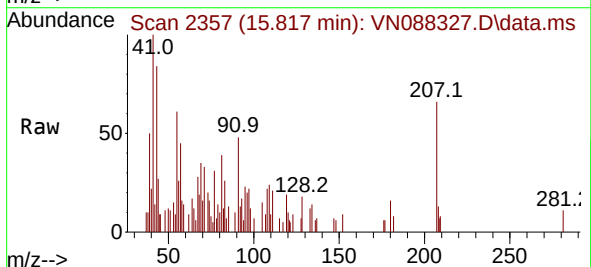
RT: 15.817 min Scan# 2357

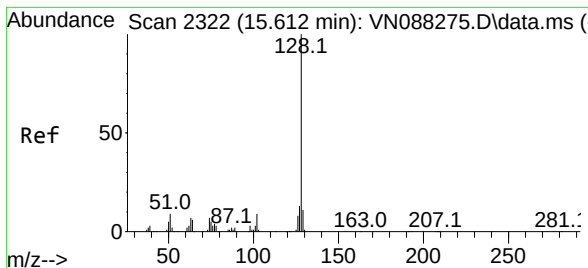
Delta R.T. 0.006 min

Lab File: VN088327.D

Acq: 20 Nov 2025 13:25

Tgt Ion:	180	Resp:	506
Ion	Ratio	Lower	Upper
180	100		
182	35.4	77.3	115.9#
145	29.8	30.2	45.4#

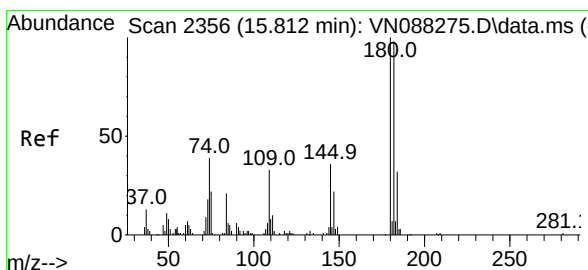
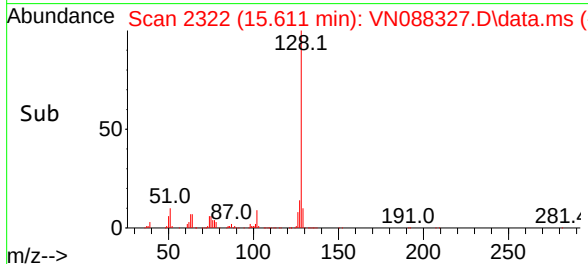
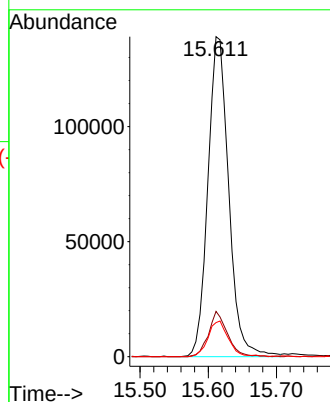
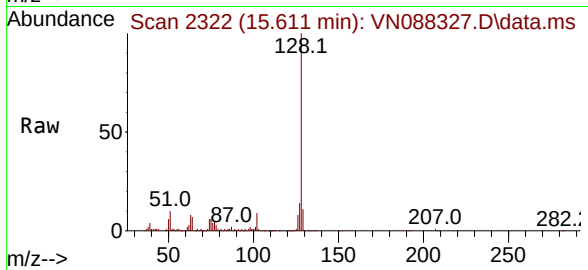




#91
Naphthalene
Concen: 33.813 ug/l
RT: 15.611 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 295534
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.8 8.8 13.2



#92
1,2,3-Trichlorobenzene
Concen: 0.209 ug/l
RT: 15.817 min Scan# 2357
Delta R.T. 0.006 min
Lab File: VN088327.D
Acq: 20 Nov 2025 13:25

Tgt Ion:180 Resp: 506
Ion Ratio Lower Upper
180 100
182 35.4 0.0 193.2
145 29.8 0.0 75.6

