

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088384.D
 Acq On : 01 Dec 2025 15:35
 Operator : JC\MD
 Sample : Q3738-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 02 00:15:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	217967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	497394	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	489259	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	246573	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	241790	58.886	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.780%	
35) Dibromofluoromethane	8.147	113	178029	51.649	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.300%	
50) Toluene-d8	10.541	98	658018	51.307	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.620%	
62) 4-Bromofluorobenzene	12.823	95	248976	56.578	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 113.160%	

Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	422	0.644	ug/l #	72
13) Acrolein	4.147	56	5793	9.230	ug/l #	1
14) Allyl chloride	5.141	41	15771	3.200	ug/l #	55
15) Acrylonitrile	5.794	53	23735	12.549	ug/l #	41
16) Acetone	4.424	43	40215	27.081	ug/l #	80
17) Carbon Disulfide	4.706	76	4404	0.507	ug/l #	82
18) Methyl Acetate	5.106	43	7123	1.611	ug/l #	53
20) Methylene Chloride	5.259	84	1588	0.500	ug/l #	1
23) Vinyl Acetate	6.630	43	6571	0.775	ug/l #	73
24) 1,1-Dichloroethane	6.641	63	2224	0.373	ug/l #	83
25) 2-Butanone	7.482	43	6497	2.722	ug/l #	69
29) Tetrahydrofuran	7.824	42	728	0.425	ug/l #	36
30) Chloroform	7.918	83	16567	2.829	ug/l #	19
31) Cyclohexane	8.241	56	540851	100.155	ug/l	97
36) 1,1-Dichloropropene	8.206	75	22959	4.316	ug/l #	53
37) Ethyl Acetate	7.482	43	6497	0.929	ug/l #	72
38) Carbon Tetrachloride	8.206	117	24497	4.626	ug/l #	15
39) Methylcyclohexane	9.576	83	622703	109.435	ug/l	96
40) Benzene	8.588	78	586094	37.538	ug/l	99
41) Methacrylonitrile	7.712	41	1546	0.446	ug/l #	26
43) Isopropyl Acetate	8.682	43	40192	3.761	ug/l #	59
45) 1,2-Dichloropropane	9.582	63	8996	2.249	ug/l #	1
48) Methyl methacrylate	9.582	41	366140	75.087	ug/l #	77
51) 4-Methyl-2-Pentanone	10.470	43	2824	0.448	ug/l #	38
52) Toluene	10.612	92	36729	4.074	ug/l	94
55) 1,1,2-Trichloroethane	10.982	97	36637	10.503	ug/l #	20
56) Ethyl methacrylate	10.835	69	1256	0.228	ug/l #	1
58) 2-Chloroethyl Vinyl ether	10.147	63	1205	0.379	ug/l #	49
59) 2-Hexanone	11.147	43	8285	2.088	ug/l #	29
67) Ethyl Benzene	11.941	91	77140	4.016	ug/l	93
68) m/p-Xylenes	12.047	106	39920	5.605	ug/l	90
69) o-Xylene	12.376	106	11871	1.748	ug/l	93
73) Isopropylbenzene	12.670	105	518465	28.438	ug/l	99
74) N-amyl acetate	12.523	43	2005	0.323	ug/l #	9
75) 1,1,2,2-Tetrachloroethane	12.900	83	1561	0.265	ug/l #	87
76) 1,2,3-Trichloropropane	13.017	75	10205	1.767	ug/l #	1

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

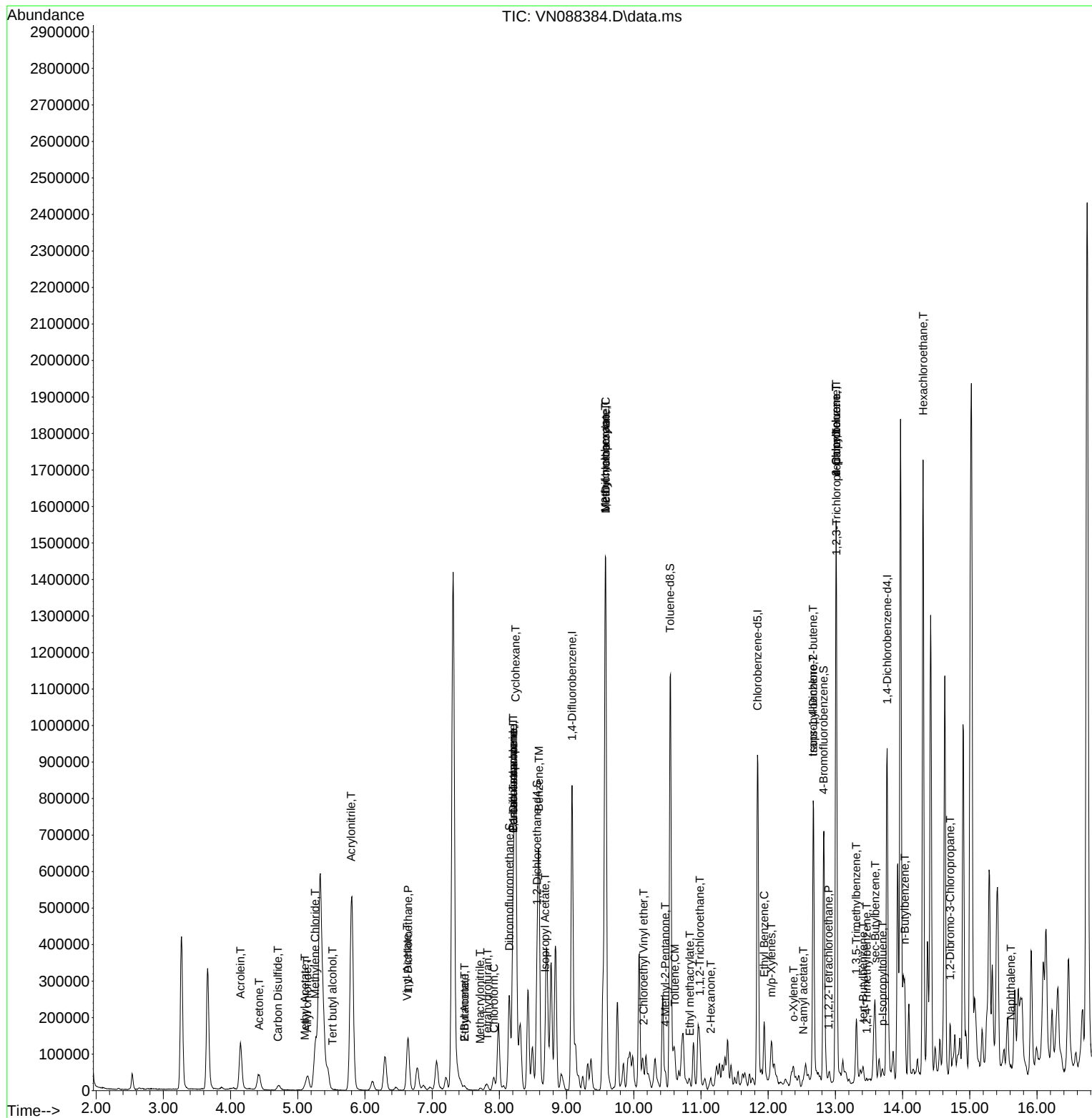
78) n-propylbenzene	13.012	91	1242004	55.686	ug/l	99
79) 2-Chlorotoluene	13.012	91	1242004	91.189	ug/l #	44
80) 1,3,5-Trimethylbenzene	13.312	105	118484	7.843	ug/l	73
81) trans-1,4-Dichloro-2-b...	12.670	75	7936	3.898	ug/l #	89
82) 4-Chlorotoluene	13.012	91	1242004	91.810	ug/l #	44
83) tert-Butylbenzene	13.412	119	14471	1.127	ug/l	95
84) 1,2,4-Trimethylbenzene	13.464	105	9005	0.600	ug/l	91
85) sec-Butylbenzene	13.594	105	131324	7.118	ug/l #	73
86) p-Isopropyltoluene	13.706	119	11708	0.774	ug/l	93
89) n-Butylbenzene	14.035	91	154958	10.549	ug/l #	79
90) Hexachloroethane	14.306	117	88950	32.185	ug/l #	20
92) 1,2-Dibromo-3-Chloropr...	14.706	75	1126	0.787	ug/l #	10
95) Naphthalene	15.611	128	12451	0.791	ug/l	96

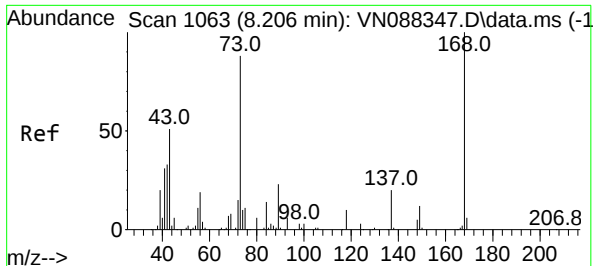
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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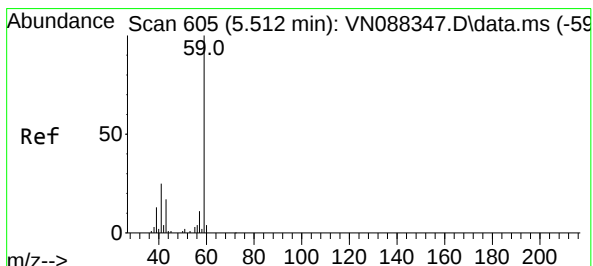
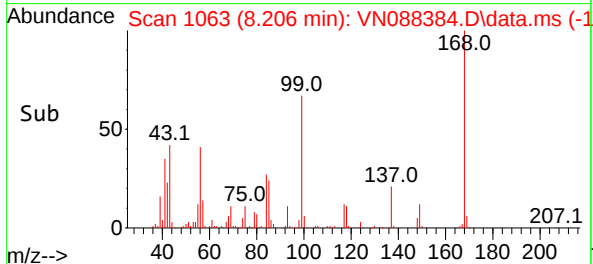
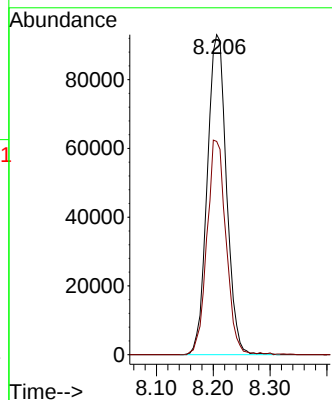
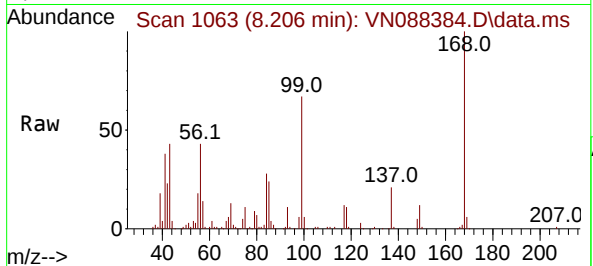




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088384.D
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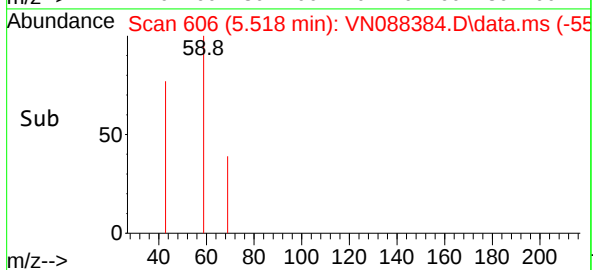
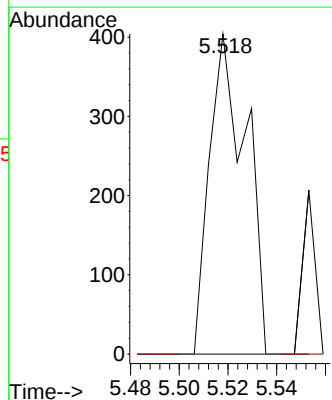
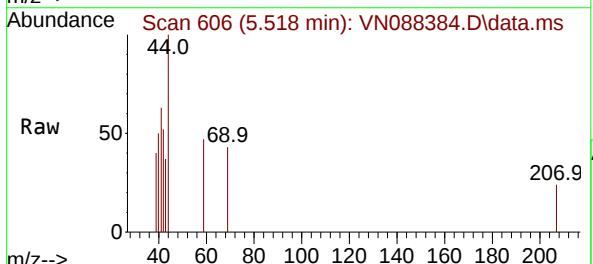
Instrument :
MSVOA_N
ClientSampleId :

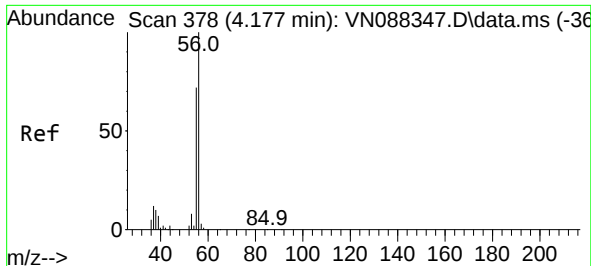
Tgt Ion:168 Resp: 217967
Ion Ratio Lower Upper
168 100
99 66.6 57.1 85.7



#11
Tert butyl alcohol
Concen: 0.644 ug/l
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 59 Resp: 422
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 9.230 ug/l

RT: 4.147 min Scan# 31

Delta R.T. -0.029 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

Instrument :

MSVOA_N

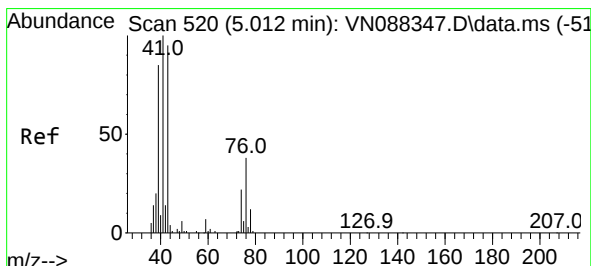
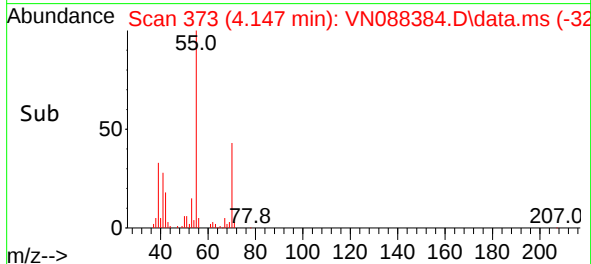
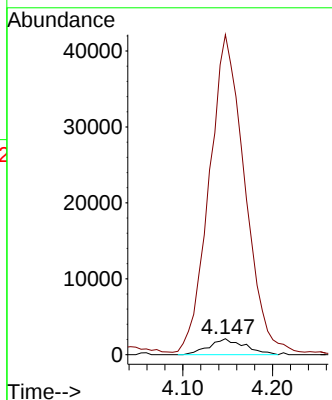
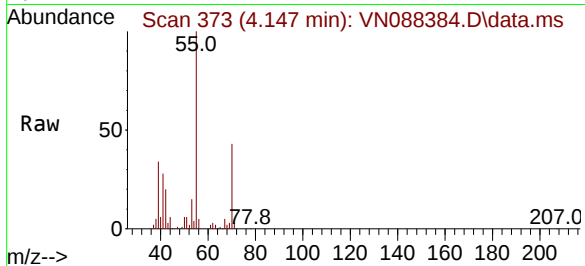
ClientSampleId :

Tgt Ion: 56 Resp: 5793

Ion Ratio Lower Upper

56 100

55 1981.9 56.3 84.5#



#14

Allyl chloride

Concen: 3.200 ug/l

RT: 5.141 min Scan# 542

Delta R.T. 0.129 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

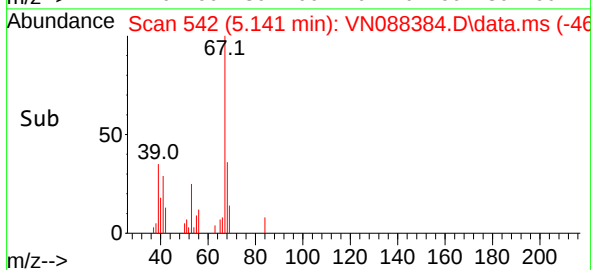
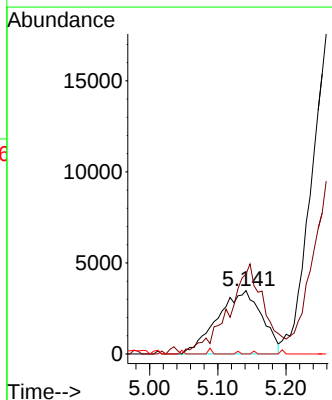
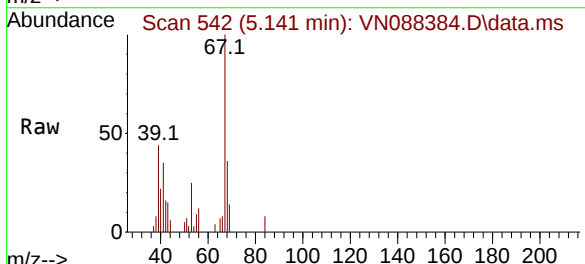
Tgt Ion: 41 Resp: 15771

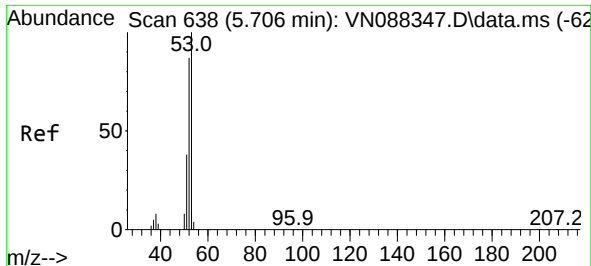
Ion Ratio Lower Upper

41 100

39 114.7 64.7 97.1#

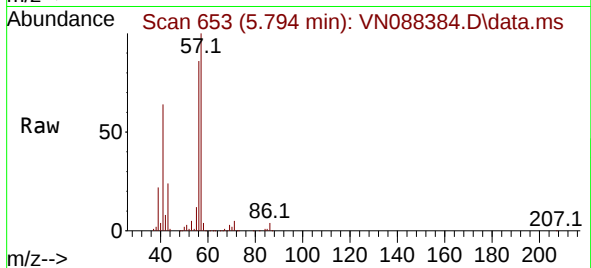
76 0.3 29.1 43.7#



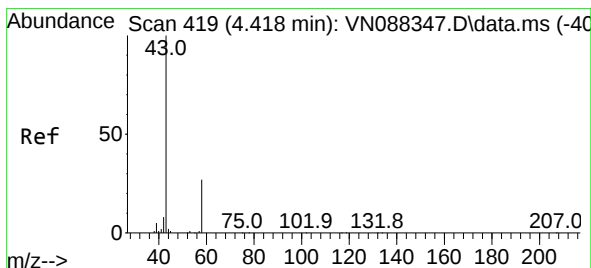
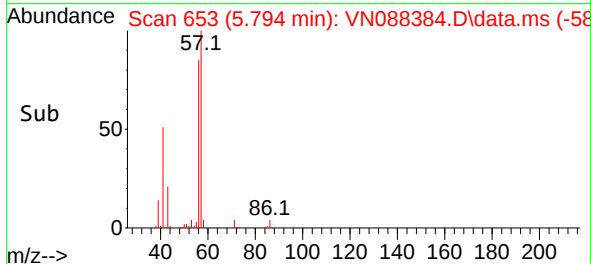
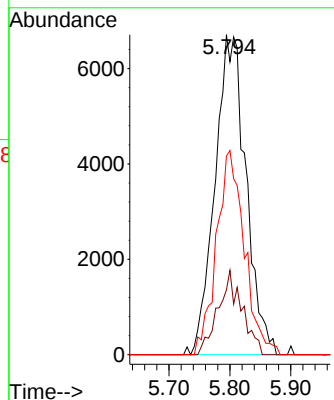


#15
Acrylonitrile
Concen: 12.549 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.088 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

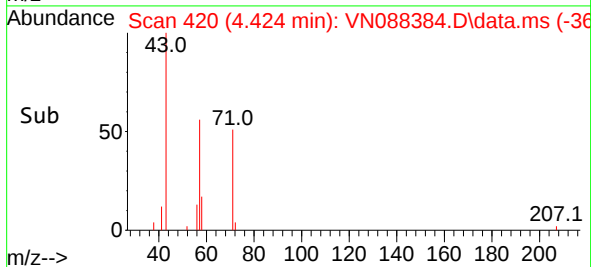
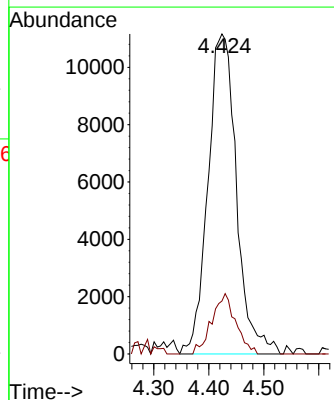
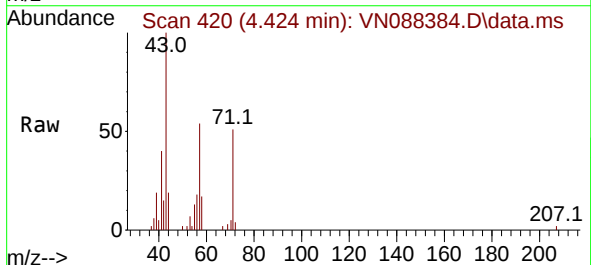


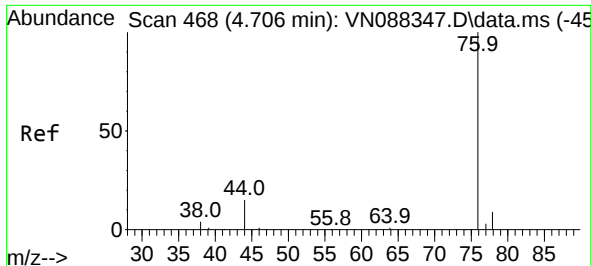
Tgt Ion: 53 Resp: 23735
Ion Ratio Lower Upper
53 100
52 20.3 67.8 101.6#
51 57.3 29.8 44.8#



#16
Acetone
Concen: 27.081 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 43 Resp: 40215
Ion Ratio Lower Upper
43 100
58 16.5 21.7 32.5#

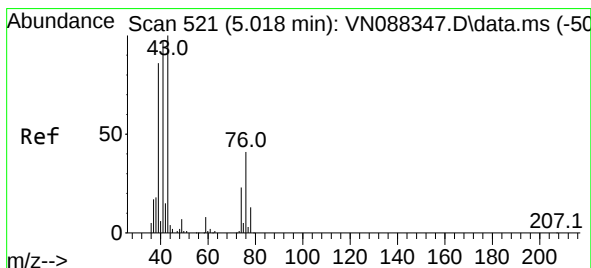
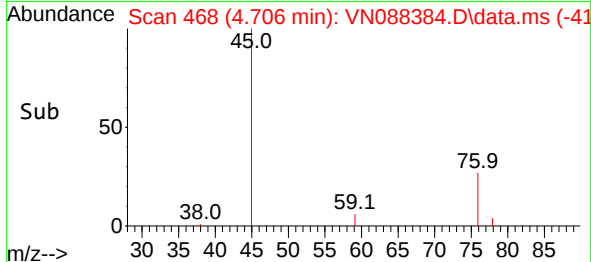
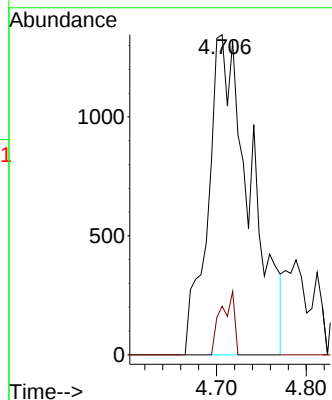
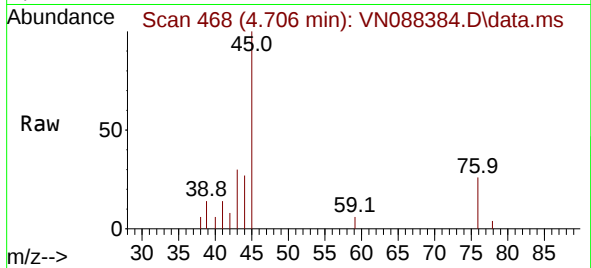




#17
Carbon Disulfide
Concen: 0.507 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

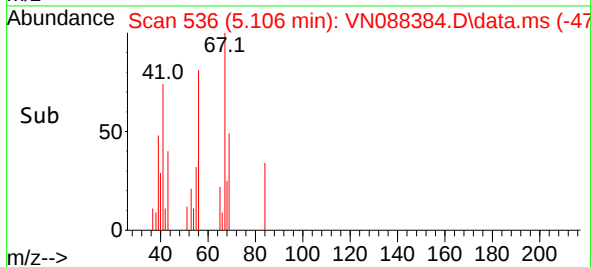
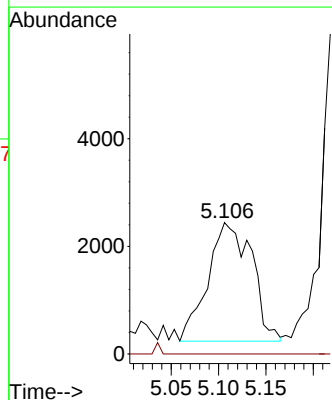
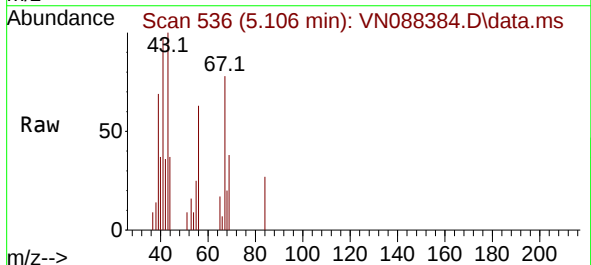
Instrument :
MSVOA_N
ClientSampleId :

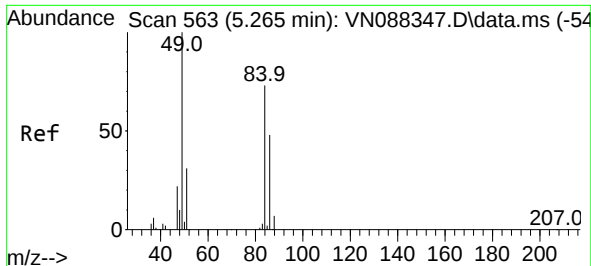
Tgt Ion: 76 Resp: 4404
Ion Ratio Lower Upper
76 100
78 15.2 7.0 10.4#



#18
Methyl Acetate
Concen: 1.611 ug/l
RT: 5.106 min Scan# 536
Delta R.T. 0.088 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

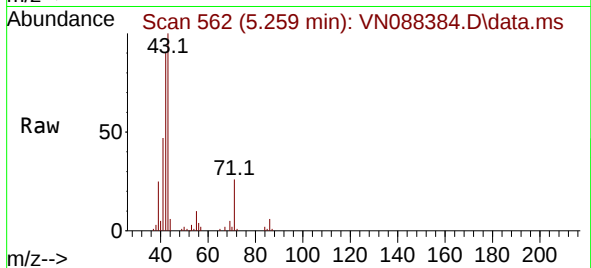
Tgt Ion: 43 Resp: 7123
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#



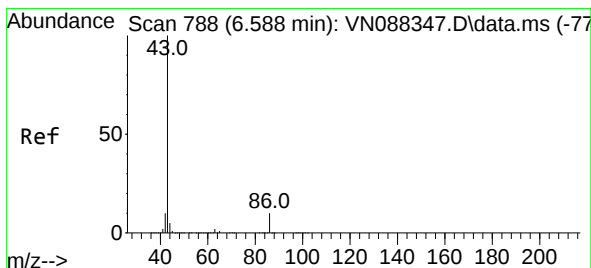
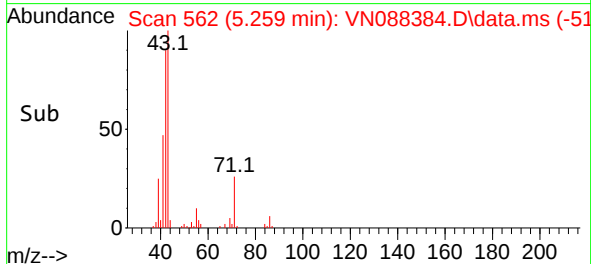
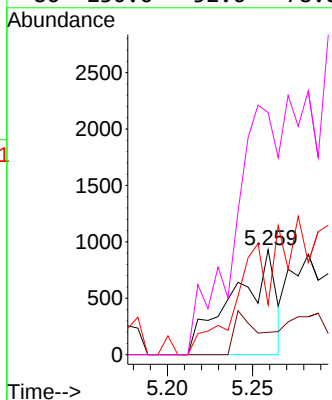


#20
Methylene Chloride
Concen: 0.500 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

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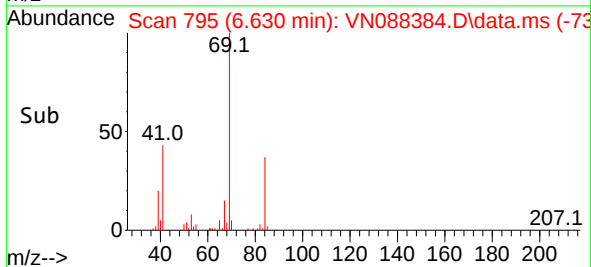
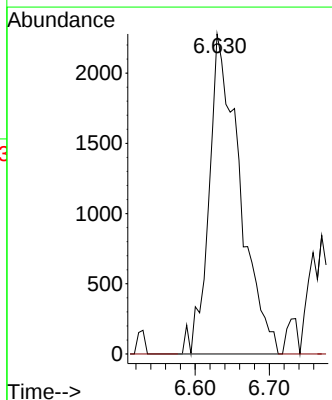
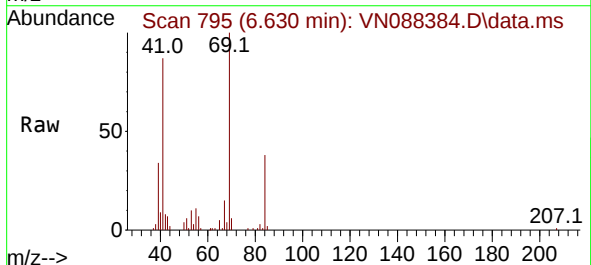


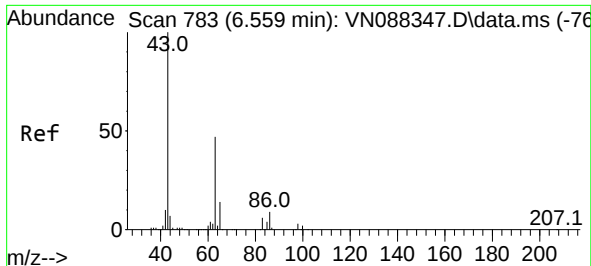
Tgt Ion: 84 Resp: 1588
Ion Ratio Lower Upper
84 100
49 21.4 110.2 165.2#
51 47.5 34.1 51.1
86 230.6 52.6 78.8#



#23
Vinyl Acetate
Concen: 0.775 ug/l
RT: 6.630 min Scan# 795
Delta R.T. 0.041 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

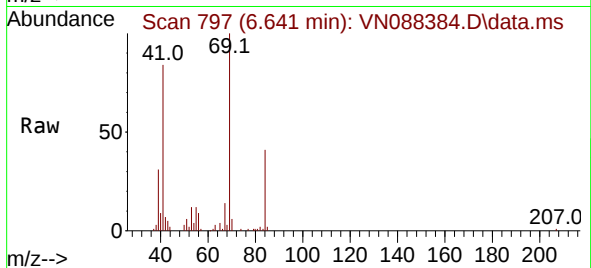
Tgt Ion: 43 Resp: 6571
Ion Ratio Lower Upper
43 100
86 0.0 7.8 11.8#



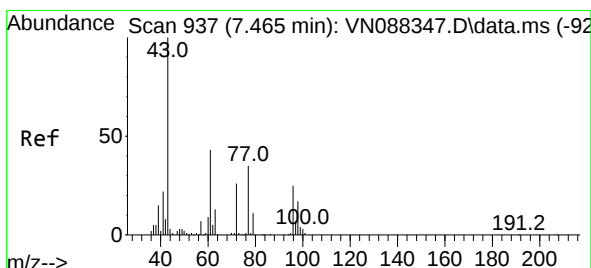
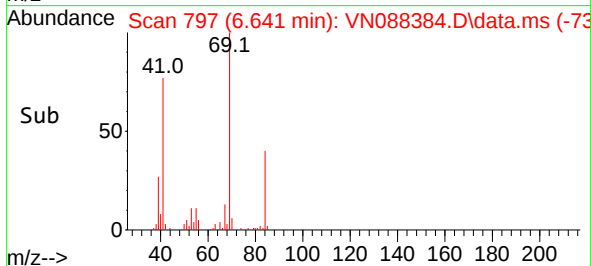
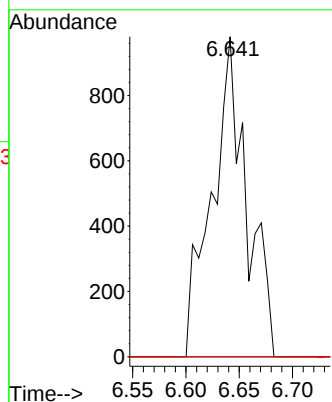


#24
1,1-Dichloroethane
Concen: 0.373 ug/l
RT: 6.641 min Scan# 797
Delta R.T. 0.082 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

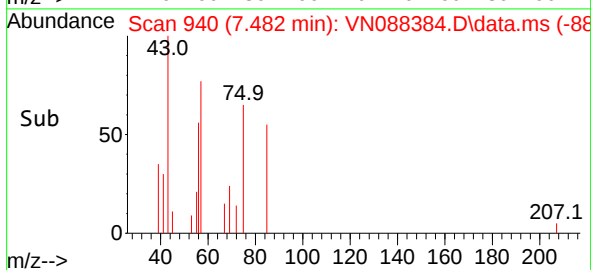
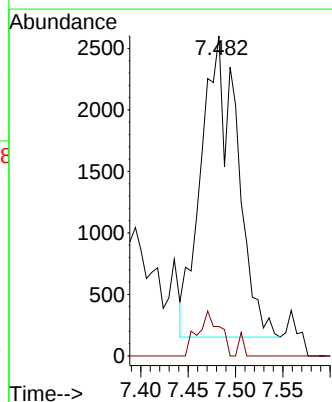
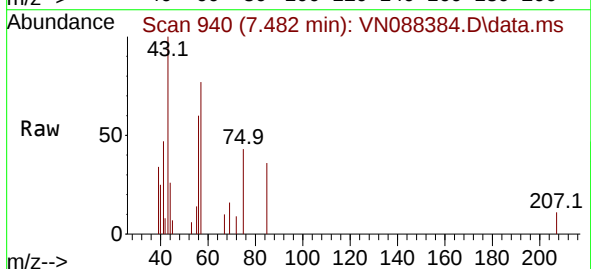


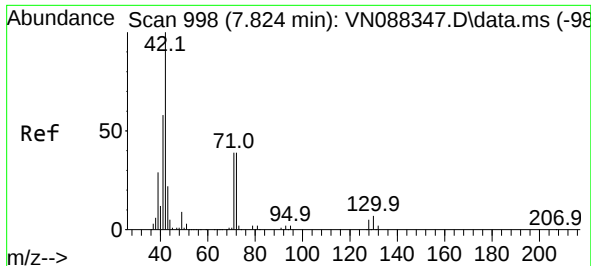
Tgt Ion: 63 Resp: 2224
Ion Ratio Lower Upper
63 100
98 0.0 3.4 10.2#
100 0.0 1.9 5.7#



#25
2-Butanone
Concen: 2.722 ug/l
RT: 7.482 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 43 Resp: 6497
Ion Ratio Lower Upper
43 100
72 9.8 20.5 30.7#





#29

Tetrahydrofuran

Concen: 0.425 ug/l

RT: 7.824 min Scan# 998

Delta R.T. -0.000 min

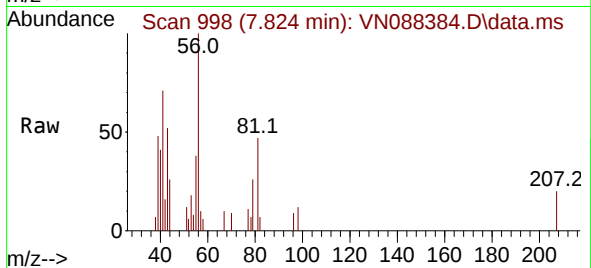
Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

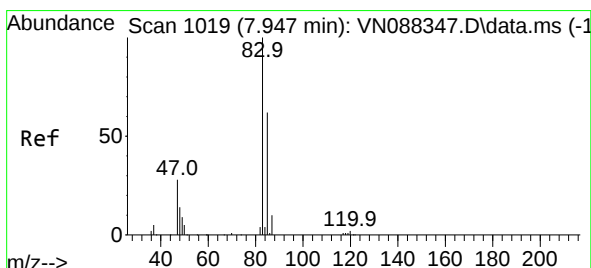
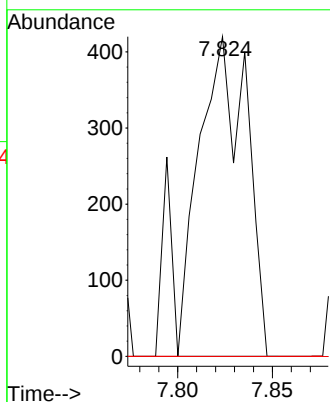
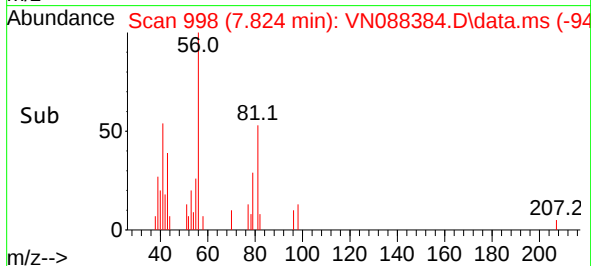
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	728
Ion Ratio	Lower	Upper	
42	100		
72	0.0	32.2	48.4#
71	0.0	31.1	46.7#



#30

Chloroform

Concen: 2.829 ug/l

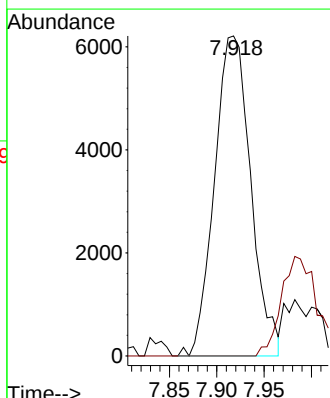
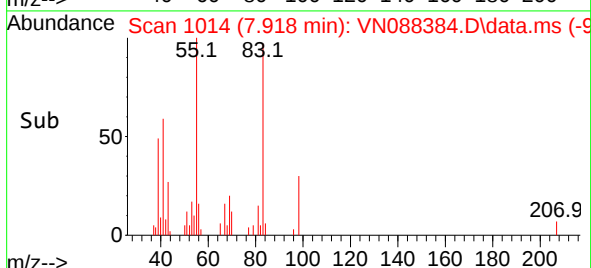
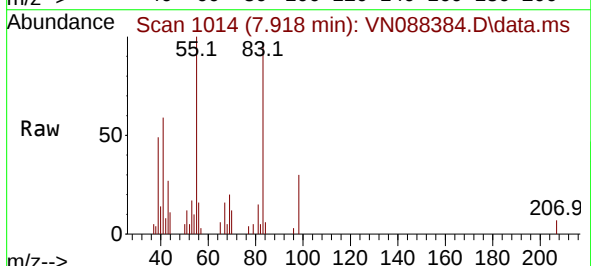
RT: 7.918 min Scan# 1014

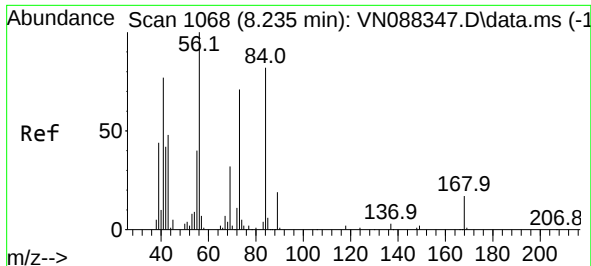
Delta R.T. -0.029 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

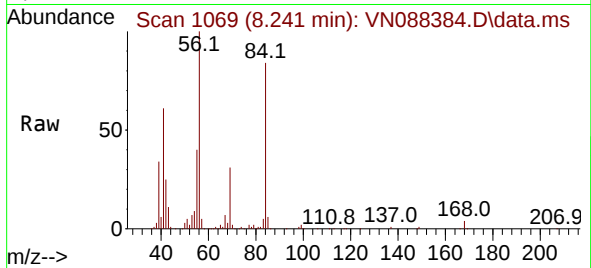
Tgt Ion:	83	Resp:	16567
Ion Ratio	Lower	Upper	
83	100		
85	0.0	49.8	74.8#



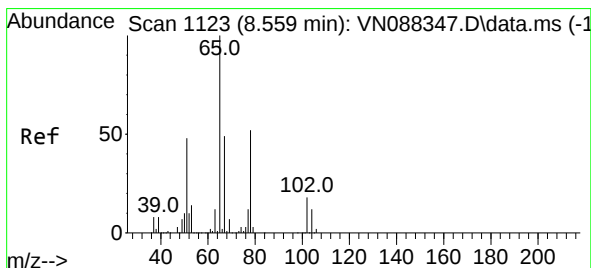
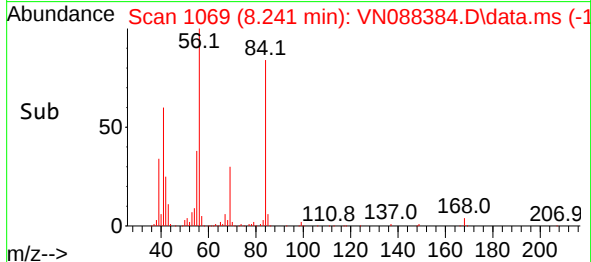
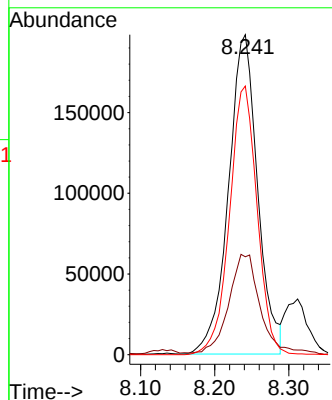


#31
Cyclohexane
Concen: 100.155 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

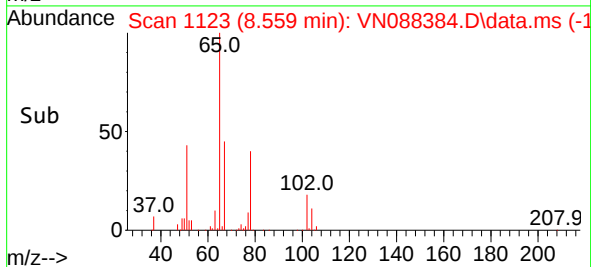
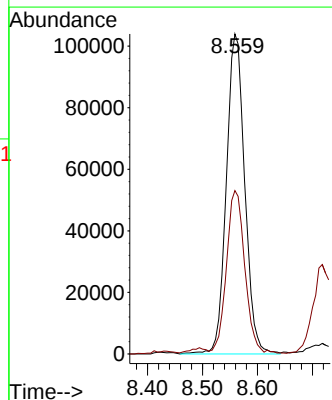
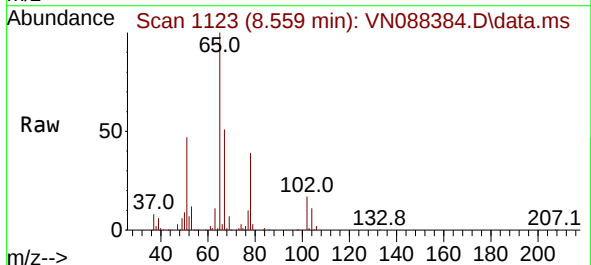


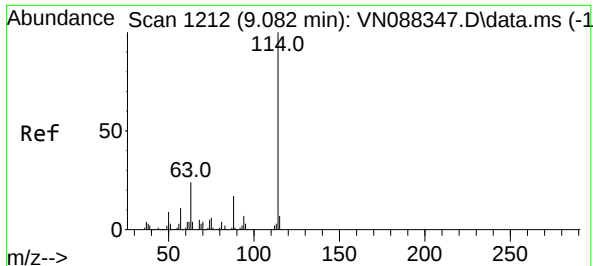
Tgt Ion: 56 Resp: 540851
Ion Ratio Lower Upper
56 100
69 30.2 25.3 37.9
84 84.1 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 58.886 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 65 Resp: 241790
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

Instrument :

MSVOA_N

ClientSampleId :

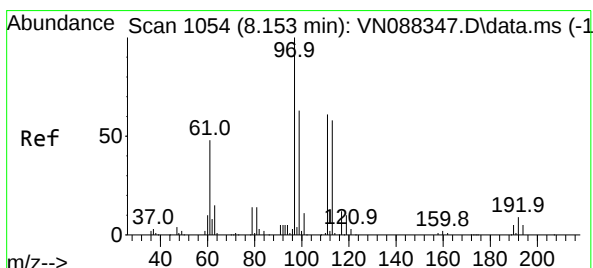
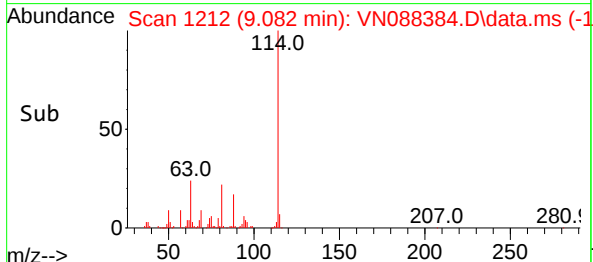
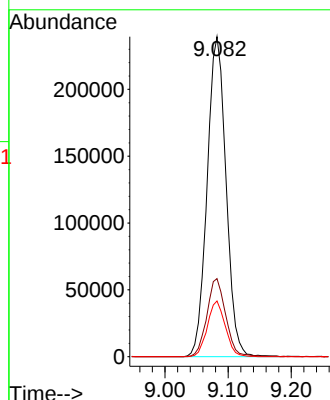
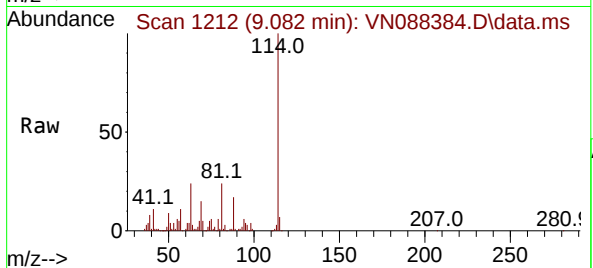
Tgt Ion:114 Resp: 497394

Ion Ratio Lower Upper

114 100

63 24.4 0.0 49.0

88 17.4 0.0 34.0



#35

Dibromofluoromethane

Concen: 51.649 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

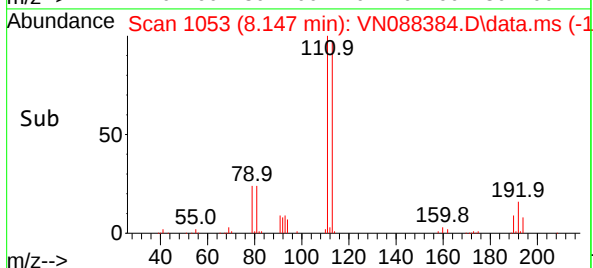
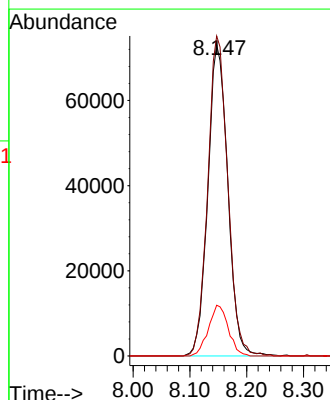
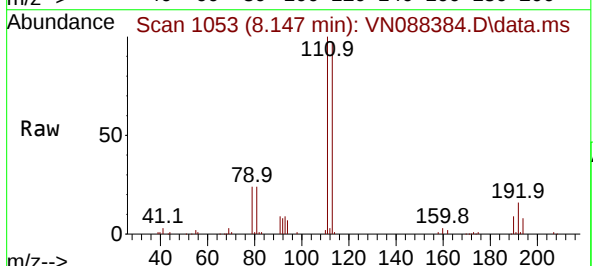
Tgt Ion:113 Resp: 178029

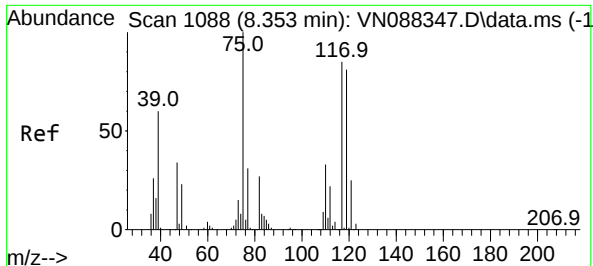
Ion Ratio Lower Upper

113 100

111 102.9 82.5 123.7

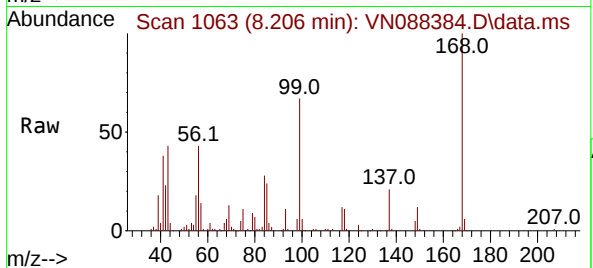
192 16.3 12.8 19.2



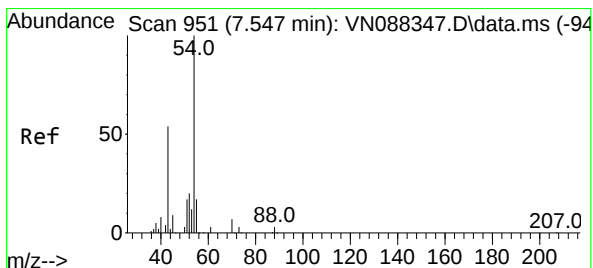
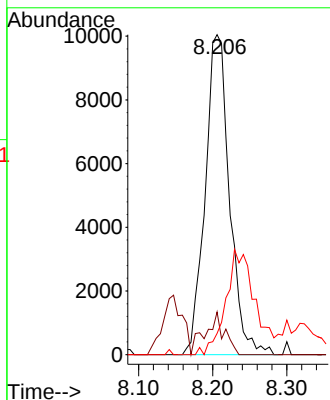
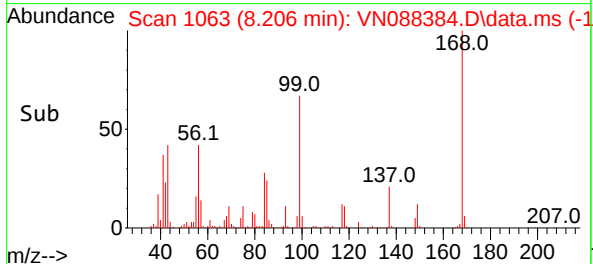


#36
1,1-Dichloropropene
Concen: 4.316 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

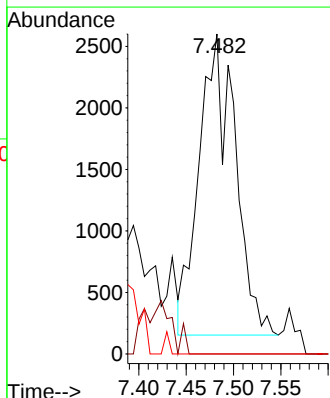
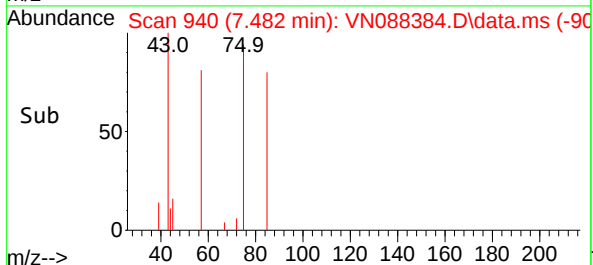
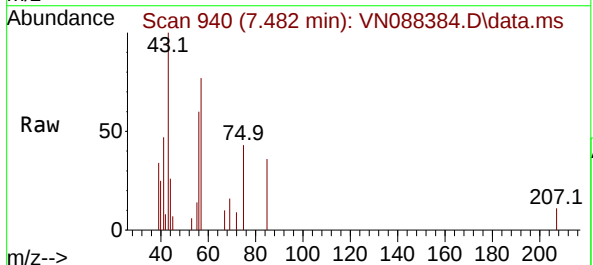


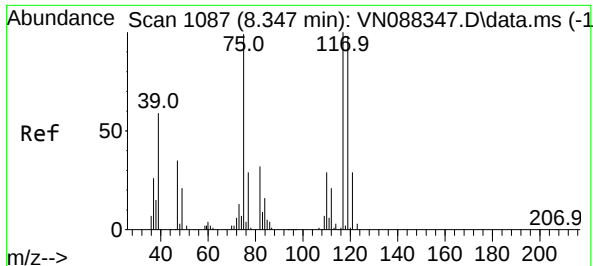
Tgt Ion: 75 Resp: 22959
Ion Ratio Lower Upper
75 100
110 10.4 15.8 47.4#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 0.929 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.065 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

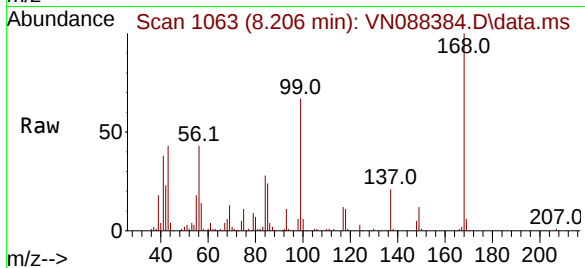
Tgt Ion: 43 Resp: 6497
Ion Ratio Lower Upper
43 100
61 0.0 9.5 14.3#
70 0.0 7.1 10.7#



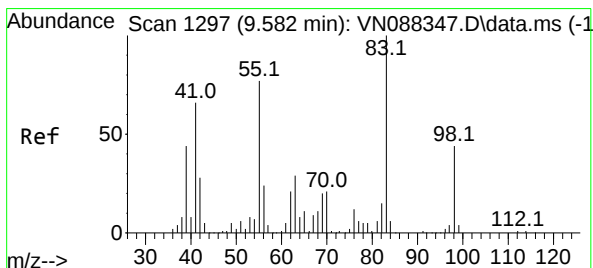
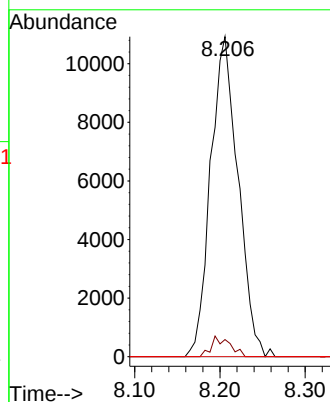
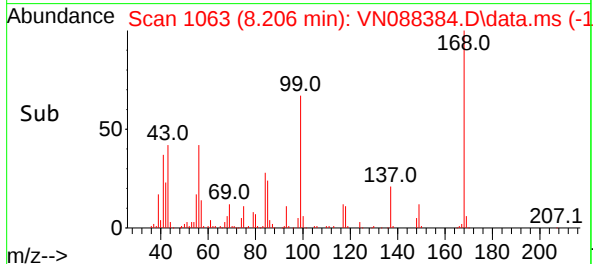


#38
Carbon Tetrachloride
Concen: 4.626 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.141 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

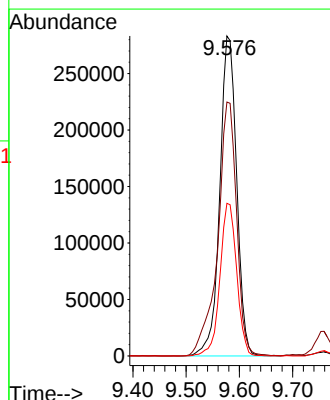
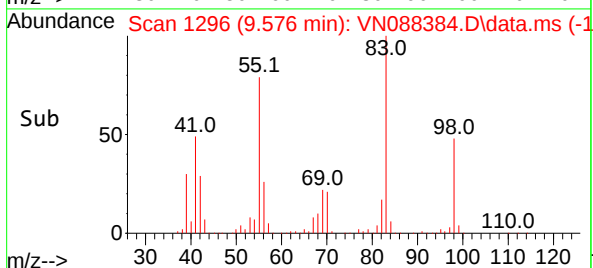
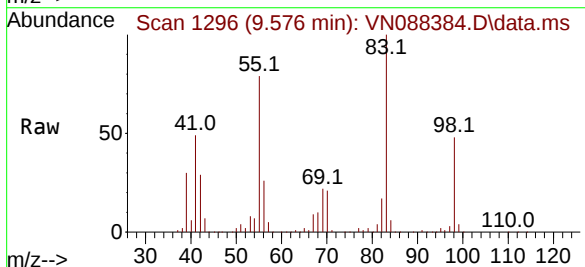


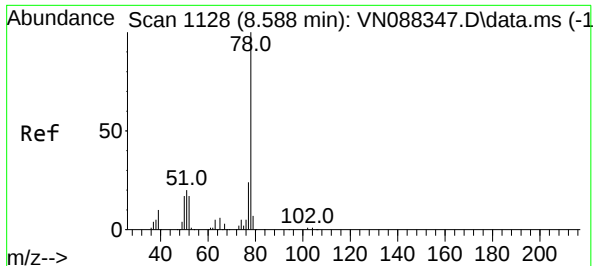
Tgt Ion:117 Resp: 24497
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.4#
121 0.0 23.4 35.2#



#39
Methylcyclohexane
Concen: 109.435 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 83 Resp: 622703
Ion Ratio Lower Upper
83 100
55 79.3 61.6 92.4
98 47.7 35.3 52.9

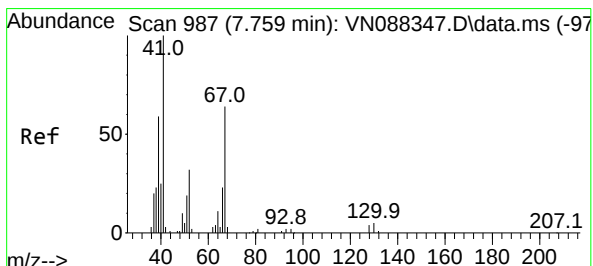
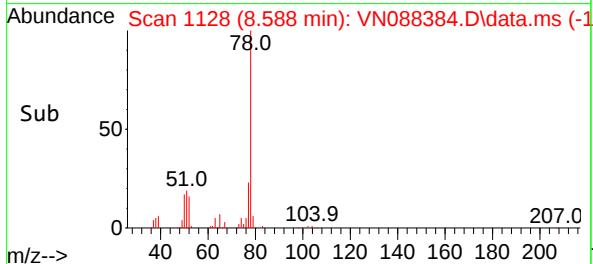
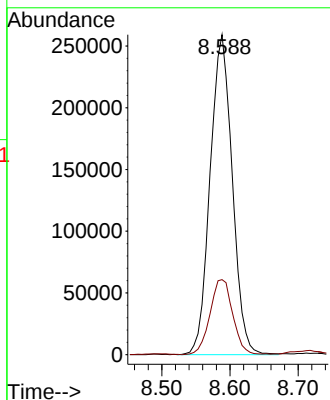
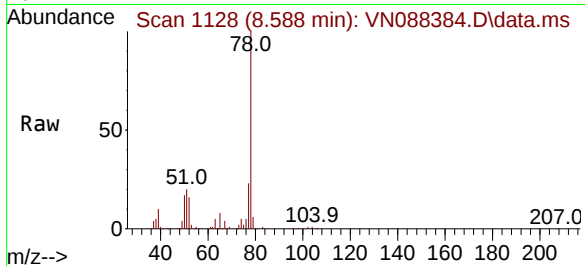




#40
Benzene
Concen: 37.538 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

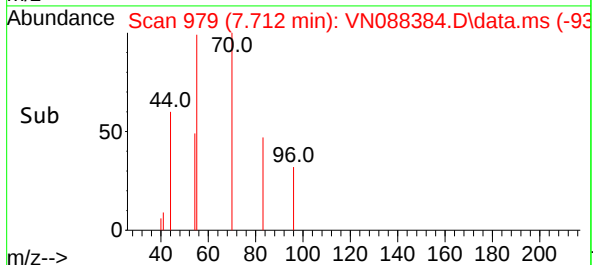
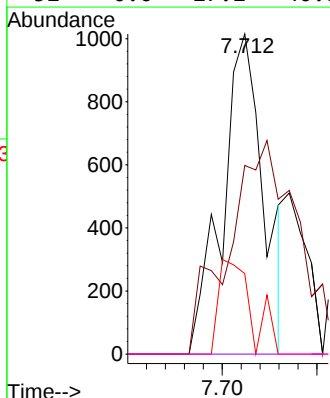
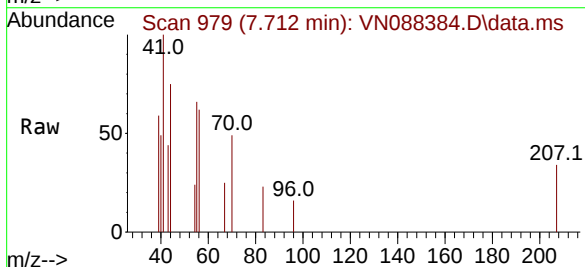
Instrument :
MSVOA_N
ClientSampleId :

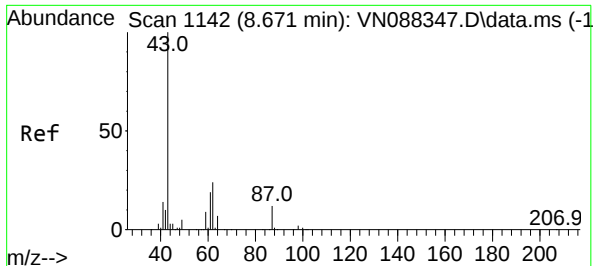
Tgt Ion: 78 Resp: 586094
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4



#41
Methacrylonitrile
Concen: 0.446 ug/l
RT: 7.712 min Scan# 979
Delta R.T. -0.047 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

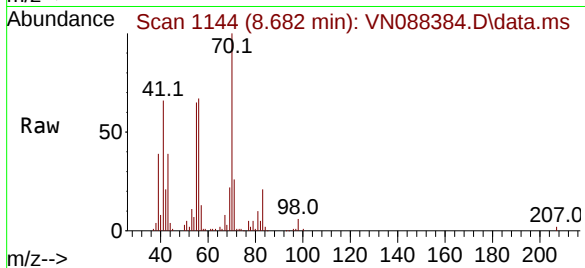
Tgt Ion: 41 Resp: 1546
Ion Ratio Lower Upper
41 100
39 109.8 46.3 69.5#
67 0.0 54.7 82.1#
52 0.0 27.2 40.8#



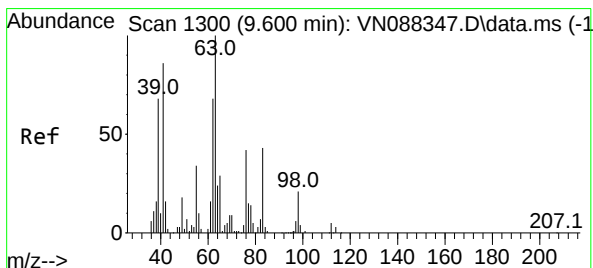
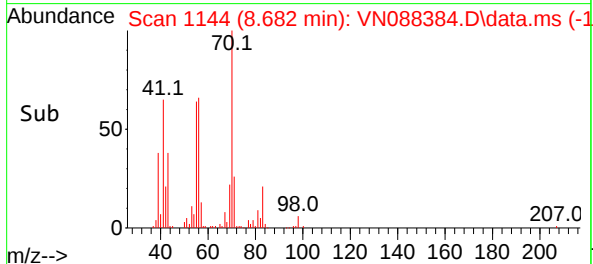
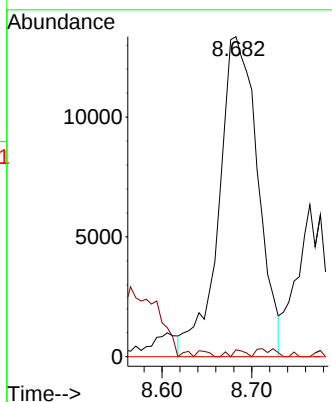


#43
Isopropyl Acetate
Concen: 3.761 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

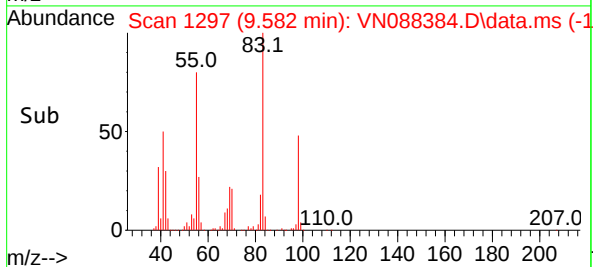
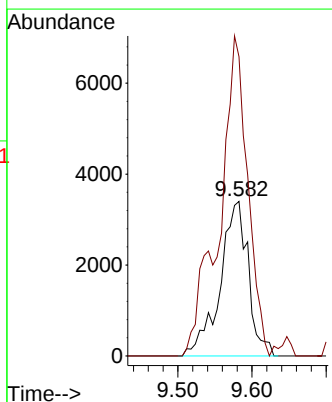
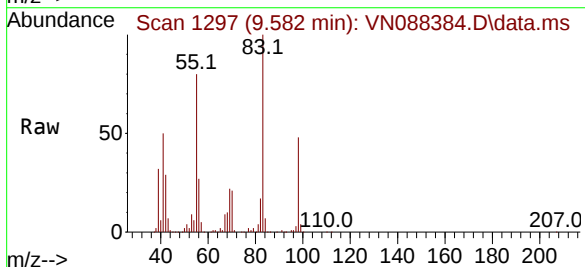


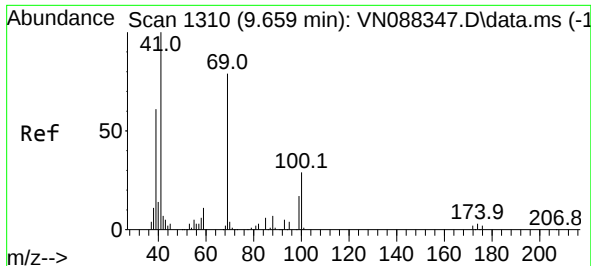
Tgt Ion: 43 Resp: 40192
Ion Ratio Lower Upper
43 100
61 0.8 18.7 28.1#
87 0.0 9.1 13.7#



#45
1,2-Dichloropropane
Concen: 2.249 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.018 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 63 Resp: 8996
Ion Ratio Lower Upper
63 100
65 193.4 23.0 34.4#





#48

Methyl methacrylate

Concen: 75.087 ug/l

RT: 9.582 min Scan# 11

Delta R.T. -0.076 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

Instrument :

MSVOA_N

ClientSampleId :

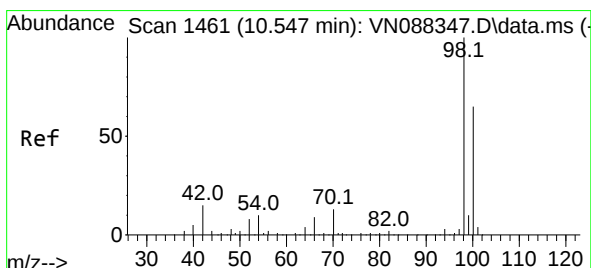
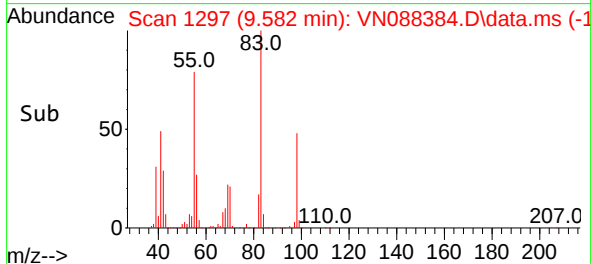
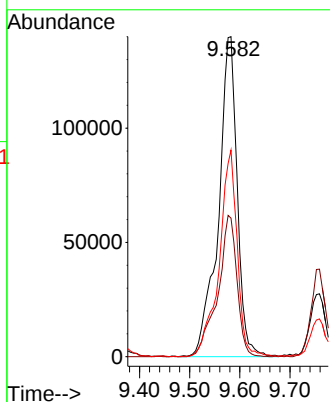
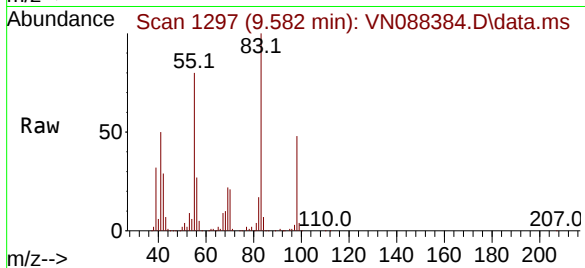
Tgt Ion: 41 Resp: 366140

Ion Ratio Lower Upper

41 100

69 45.0 62.4 93.6#

39 62.1 52.6 79.0



#50

Toluene-d8

Concen: 51.307 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088384.D

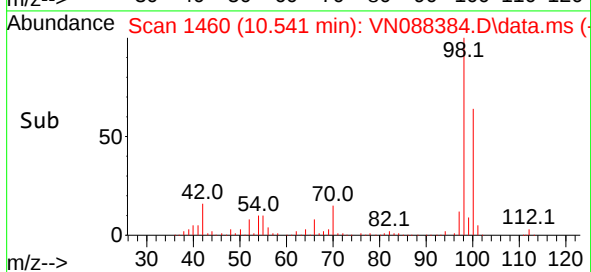
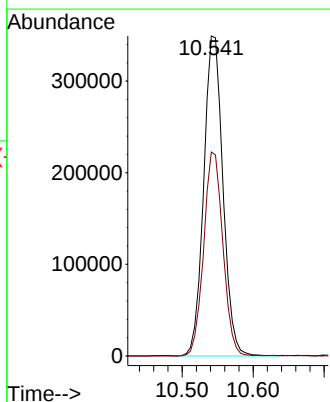
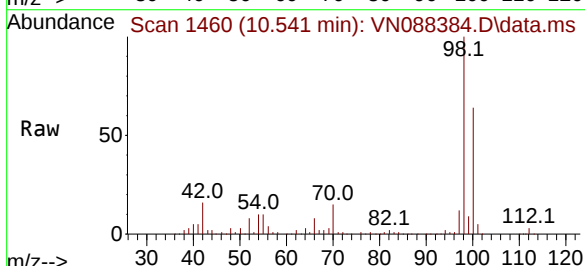
Acq: 01 Dec 2025 15:35

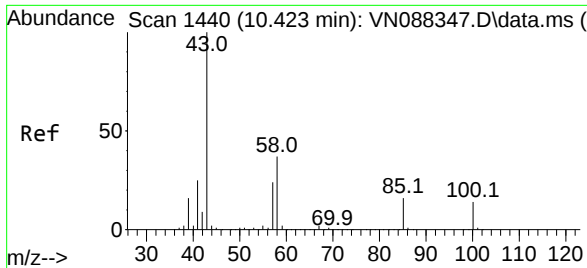
Tgt Ion: 98 Resp: 658018

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.2

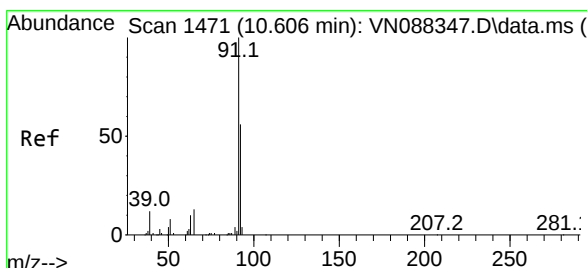
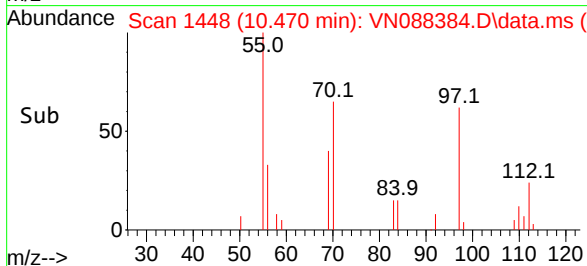
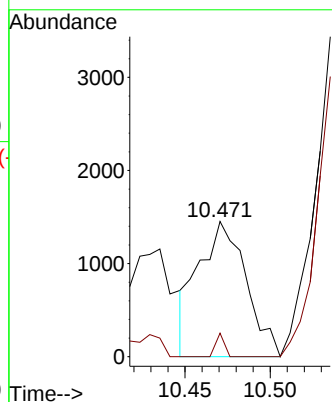
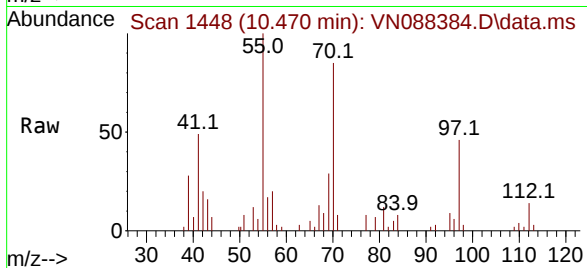




#51
4-Methyl-2-Pentanone
Concen: 0.448 ug/l
RT: 10.470 min Scan# 1448
Delta R.T. 0.047 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

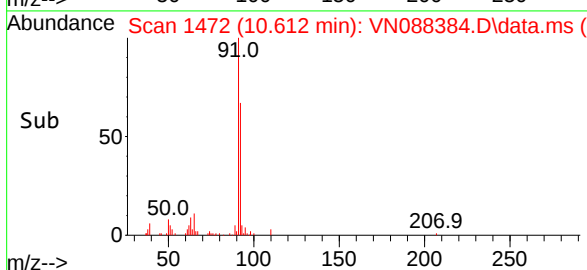
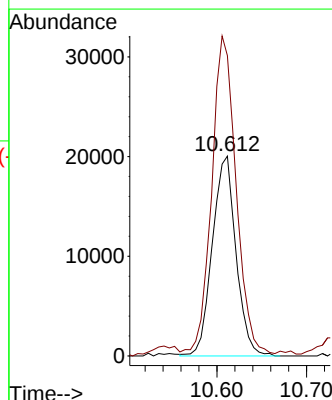
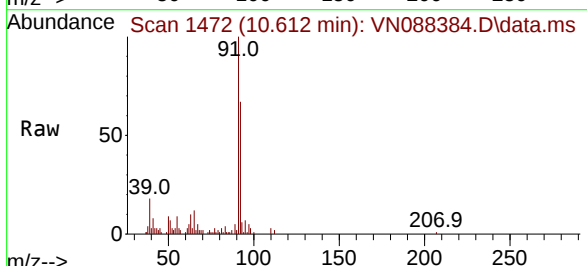
Instrument :
MSVOA_N
ClientSampleId :

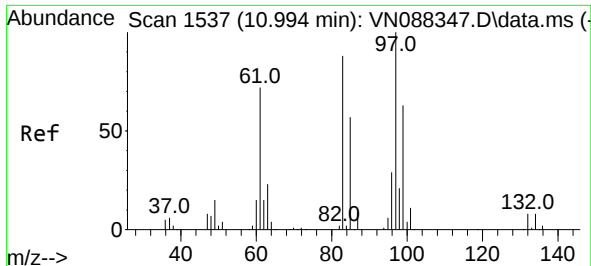
Tgt Ion: 43 Resp: 2824
Ion Ratio Lower Upper
43 100
58 0.0 29.1 43.7#



#52
Toluene
Concen: 4.074 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

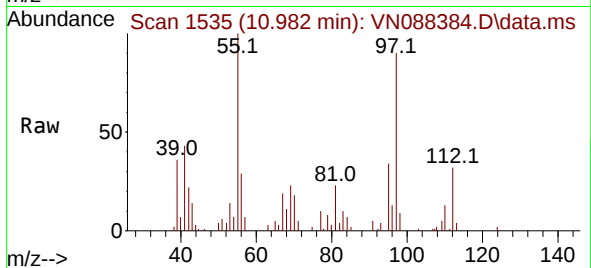
Tgt Ion: 92 Resp: 36729
Ion Ratio Lower Upper
92 100
91 166.8 140.2 210.2



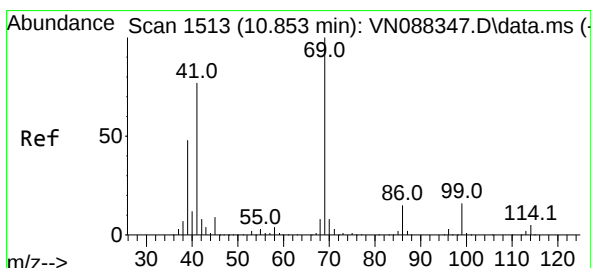
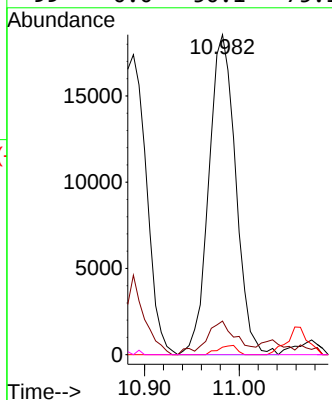
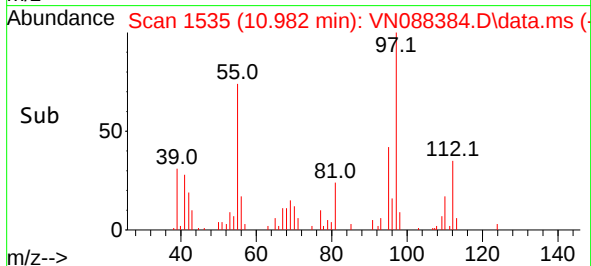


#55
1,1,2-Trichloroethane
Concen: 10.503 ug/l
RT: 10.982 min Scan# 1510
Delta R.T. -0.012 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Instrument :
MSVOA_N
ClientSampleId :

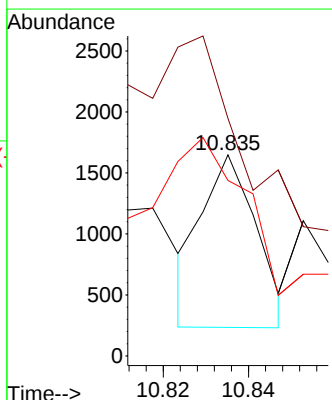
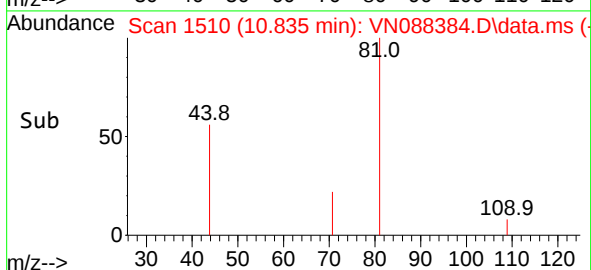
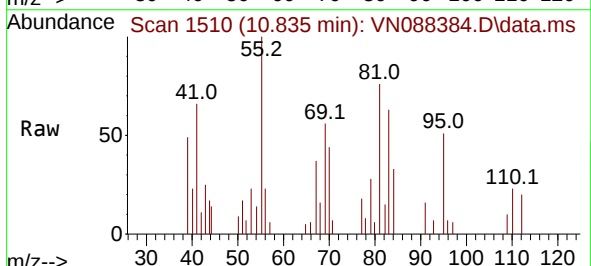


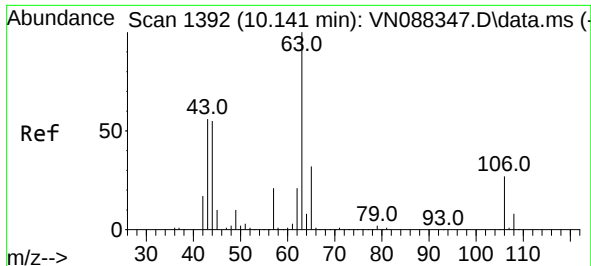
Tgt Ion: 97	Resp: 36637
Ion Ratio	Lower Upper
97	100
83	10.5 70.4 105.6#
85	2.4 45.4 68.2#
99	0.0 50.1 75.1#



#56
Ethyl methacrylate
Concen: 0.228 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.018 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 69	Resp: 1256
Ion Ratio	Lower Upper
69	100
41	229.1 59.6 89.4#
39	120.9 36.4 54.6#

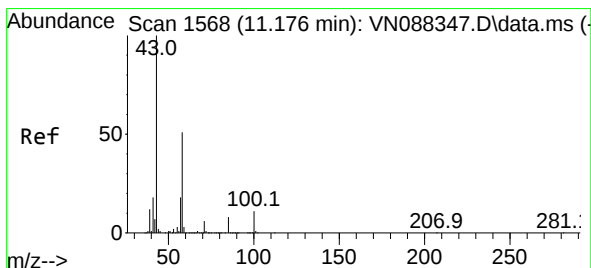
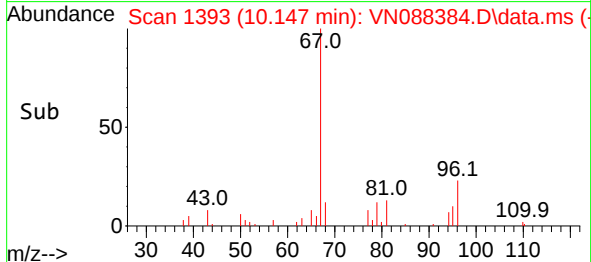
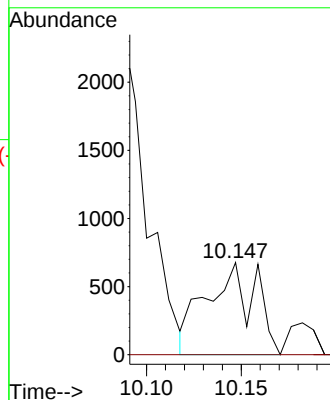
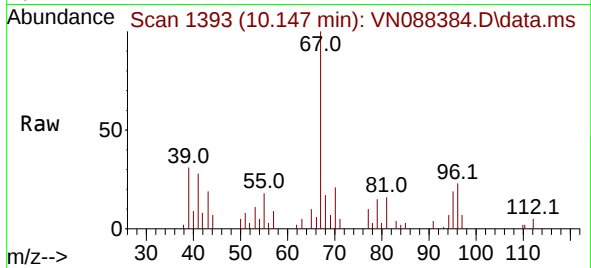




#58
2-Chloroethyl Vinyl ether
Concen: 0.379 ug/l
RT: 10.147 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

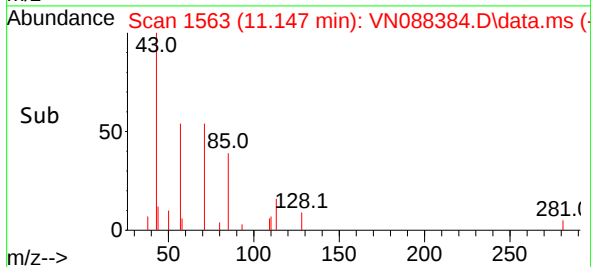
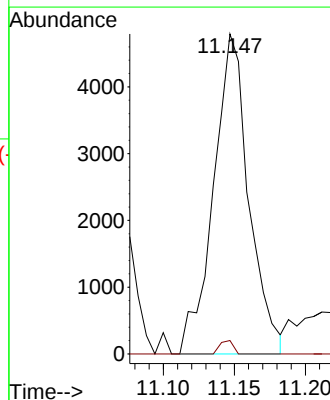
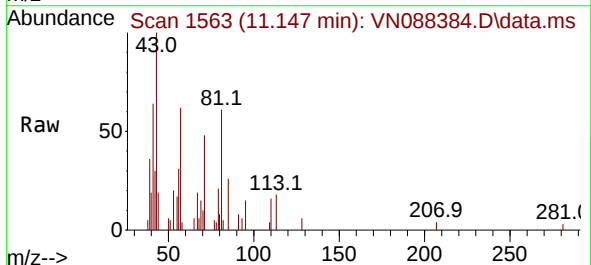
Instrument :
MSVOA_N
ClientSampleId :

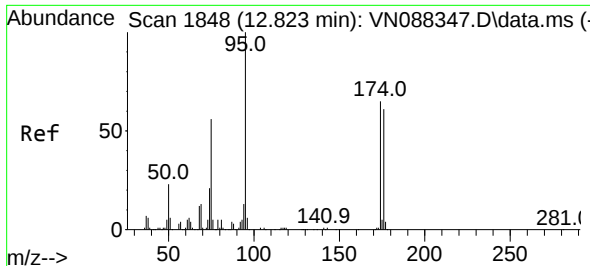
Tgt Ion: 63 Resp: 1205
Ion Ratio Lower Upper
63 100
106 0.0 20.5 30.7#



#59
2-Hexanone
Concen: 2.088 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. -0.029 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 43 Resp: 8285
Ion Ratio Lower Upper
43 100
58 1.6 25.3 75.9#

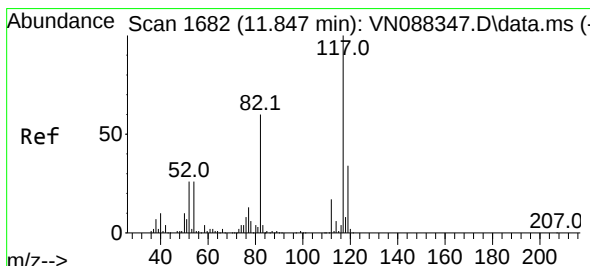
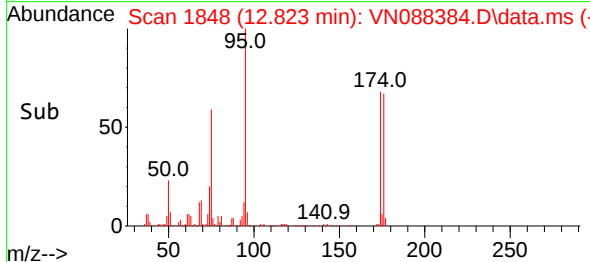
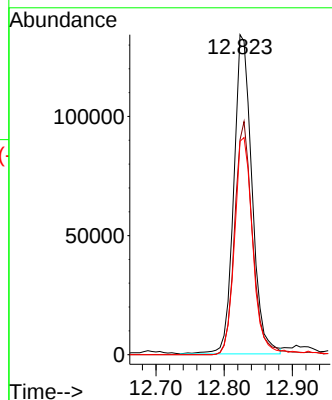
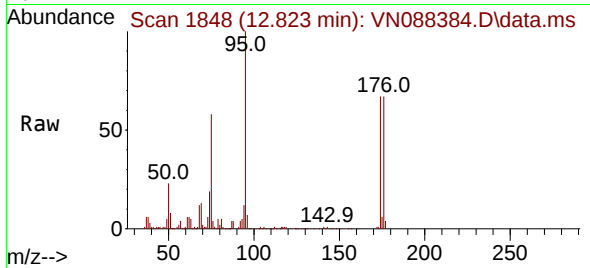




#62
4-Bromofluorobenzene
Concen: 56.578 ug/l
RT: 12.823 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

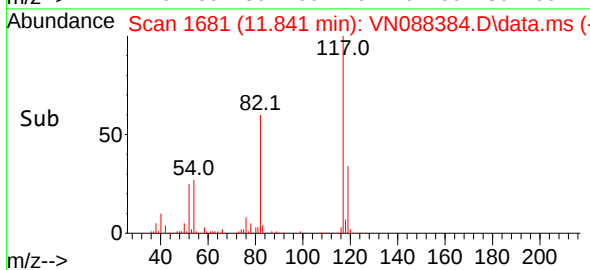
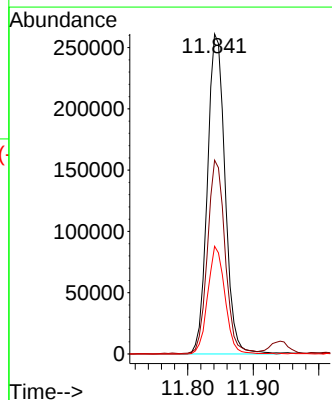
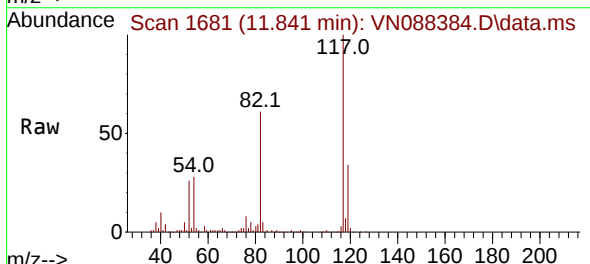
Instrument :
MSVOA_N
ClientSampleId :

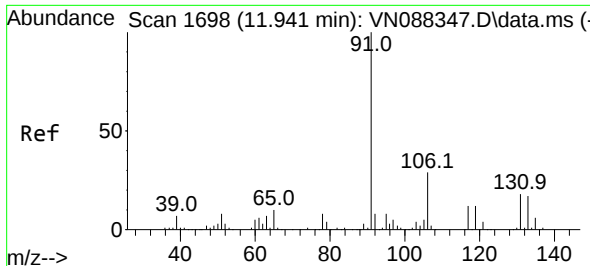
Tgt Ion: 95 Resp: 248976
Ion Ratio Lower Upper
95 100
174 72.0 0.0 139.0
176 68.3 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 117 Resp: 489259
Ion Ratio Lower Upper
117 100
82 60.5 47.8 71.8
119 33.7 26.9 40.3

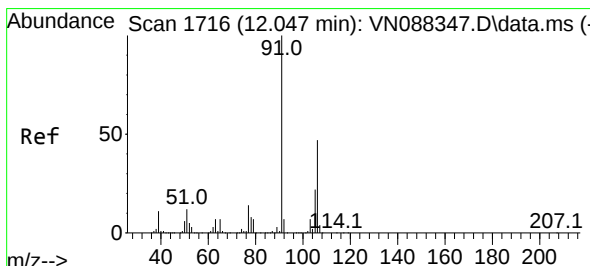
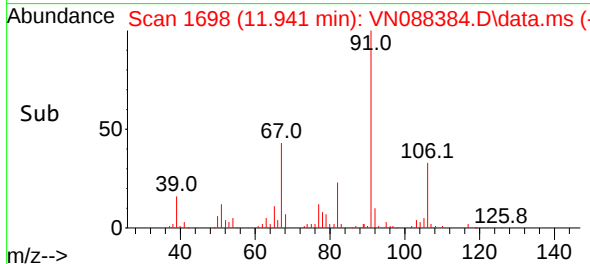
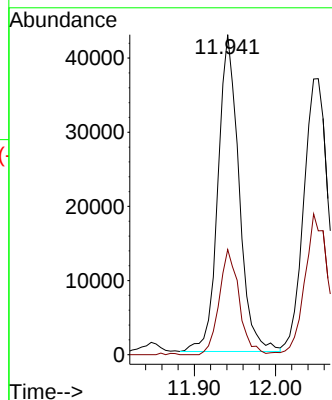
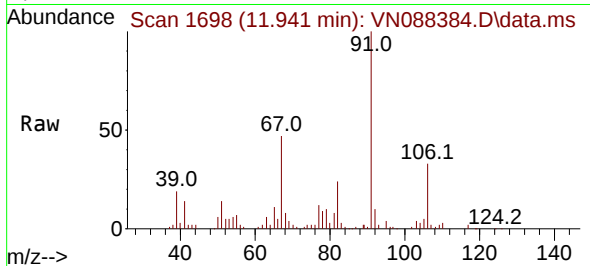




#67
Ethyl Benzene
Concen: 4.016 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

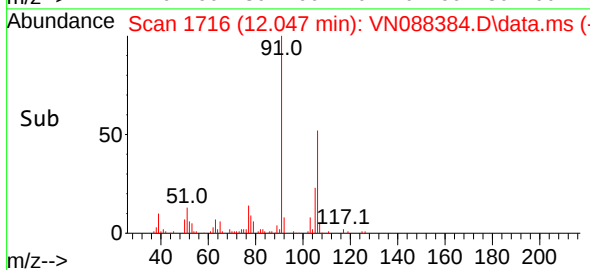
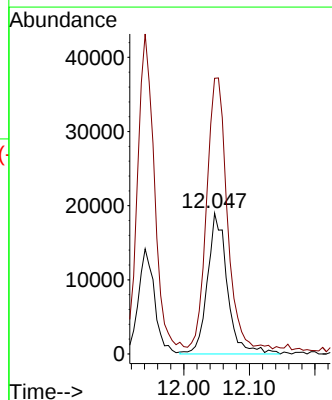
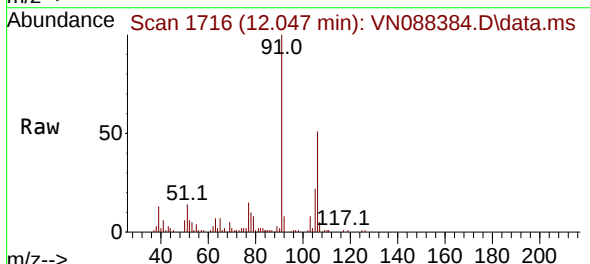
Instrument :
MSVOA_N
ClientSampleId :

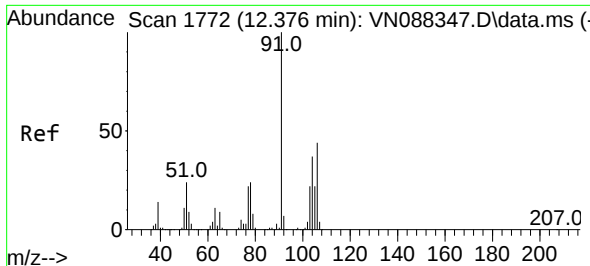
Tgt Ion: 91 Resp: 77140
Ion Ratio Lower Upper
91 100
106 33.2 23.6 35.4



#68
m/p-Xylenes
Concen: 5.605 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion:106 Resp: 39920
Ion Ratio Lower Upper
106 100
91 193.6 167.8 251.6

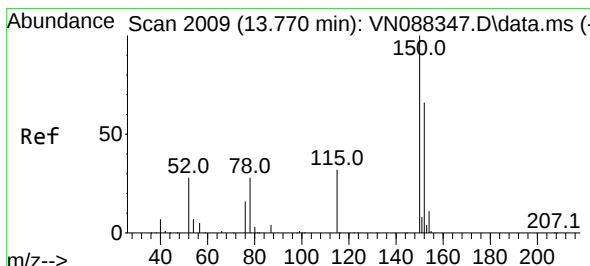
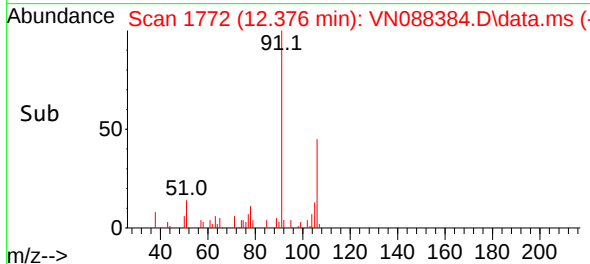
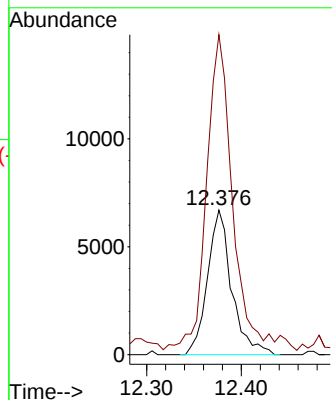
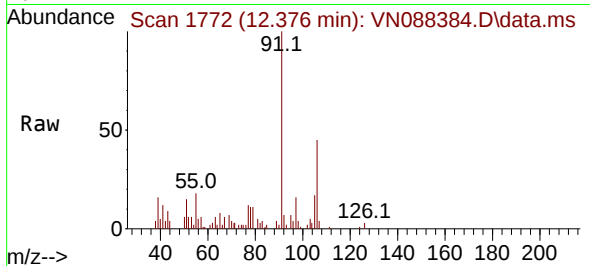




#69
o-Xylene
Concen: 1.748 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

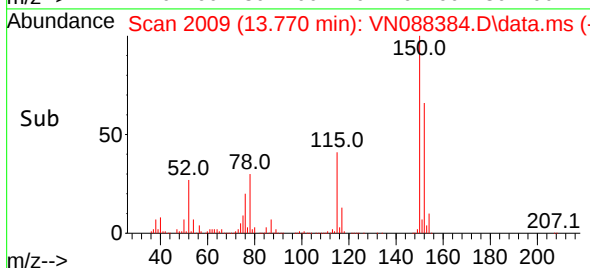
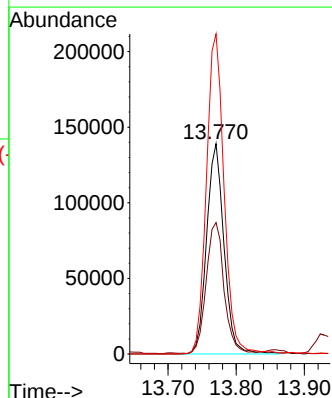
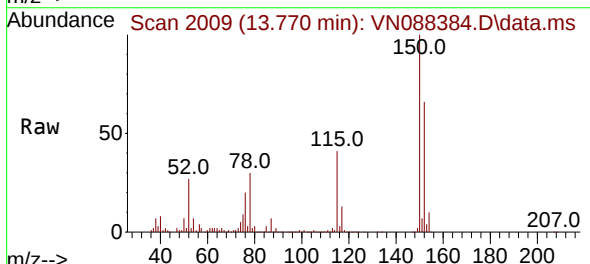
Instrument :
MSVOA_N
ClientSampleId :

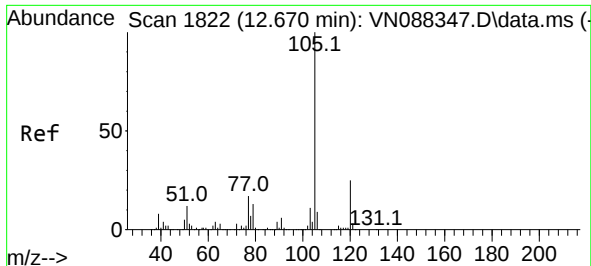
Tgt Ion:106 Resp: 11871
Ion Ratio Lower Upper
106 100
91 236.4 112.9 338.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion:152 Resp: 246573
Ion Ratio Lower Upper
152 100
115 63.6 33.0 98.9
150 154.8 0.0 349.0

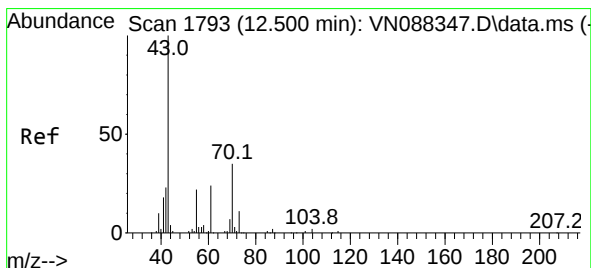
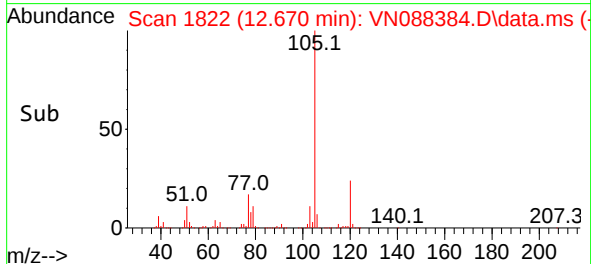
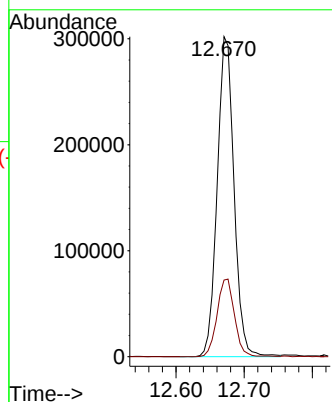
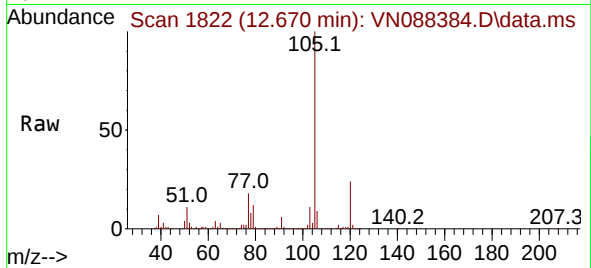




#73
Isopropylbenzene
Concen: 28.438 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

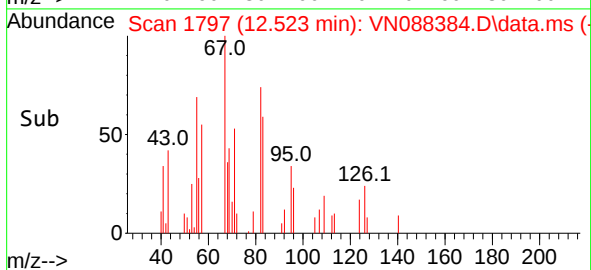
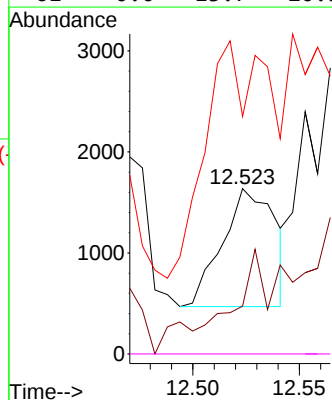
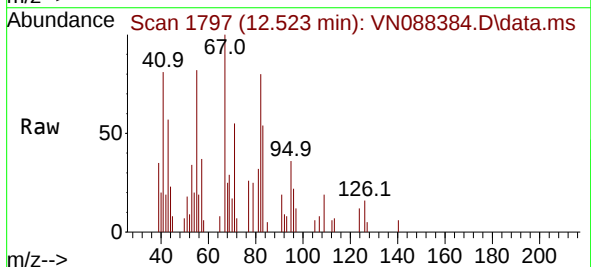
Instrument :
MSVOA_N
ClientSampleId :

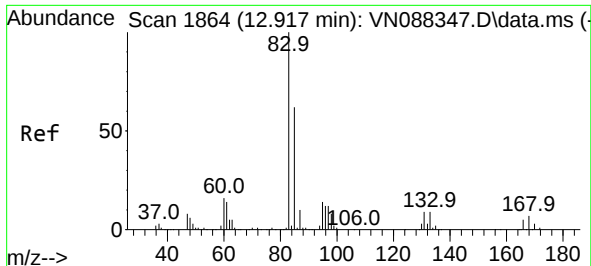
Tgt Ion:105 Resp: 518465
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.3



#74
N-ethyl acetate
Concen: 0.323 ug/l
RT: 12.523 min Scan# 1797
Delta R.T. 0.024 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
70 29.6 28.3 42.5
55 146.7 17.7 26.5#
61 0.0 13.7 20.5#

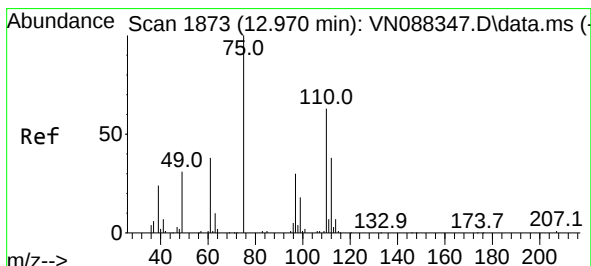
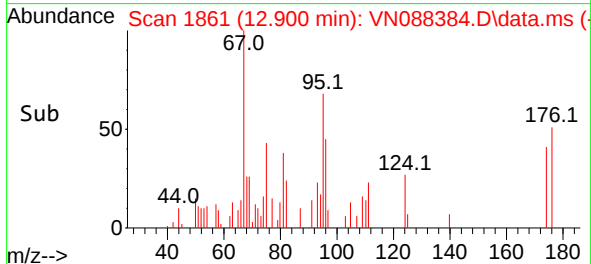
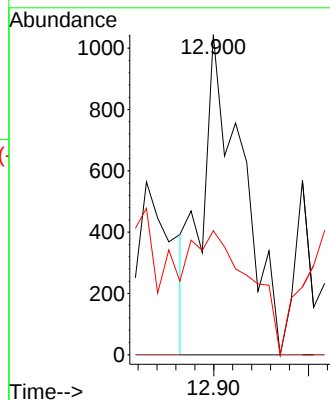
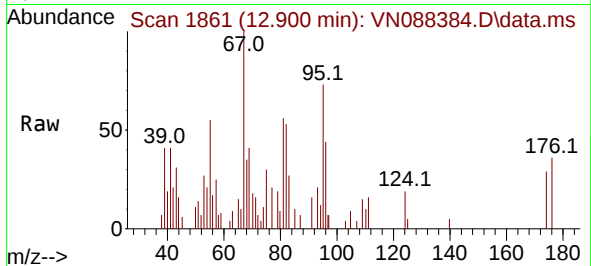




#75
1,1,2,2-Tetrachloroethane
Concen: 0.265 ug/l
RT: 12.900 min Scan# 1861
Delta R.T. -0.018 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

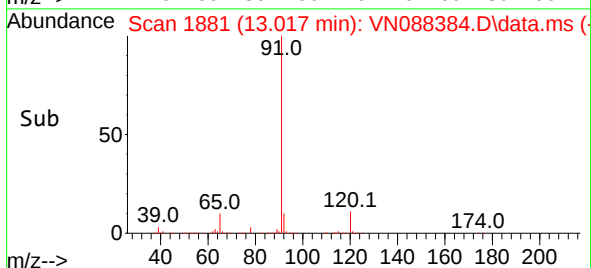
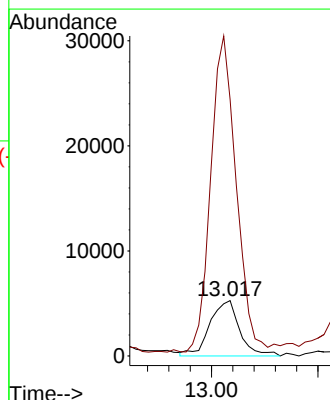
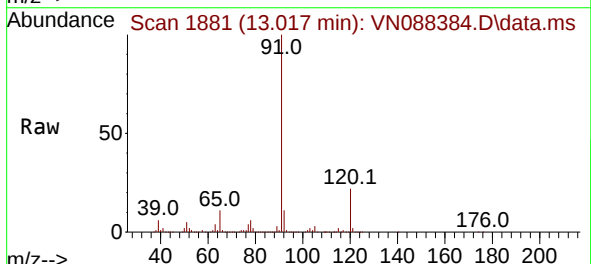
Instrument :
MSVOA_N
ClientSampleId :

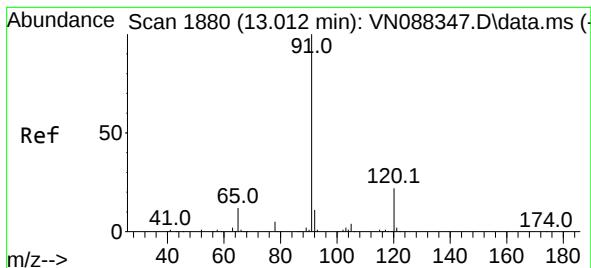
Tgt Ion: 83 Resp: 1561
Ion Ratio Lower Upper
83 100
131 0.0 4.8 14.4#
85 55.8 32.1 96.5



#76
1,2,3-Trichloropropane
Concen: 1.767 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. 0.047 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 75 Resp: 10205
Ion Ratio Lower Upper
75 100
77 485.7 87.2 261.6#





#78

n-propylbenzene

Concen: 55.686 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.000 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

Instrument :

MSVOA_N

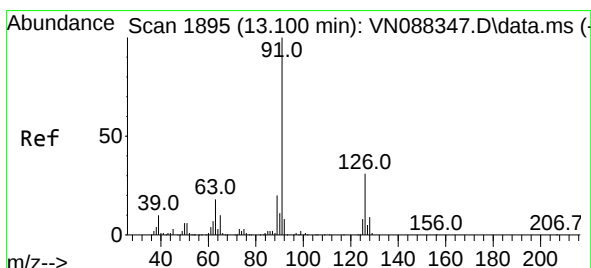
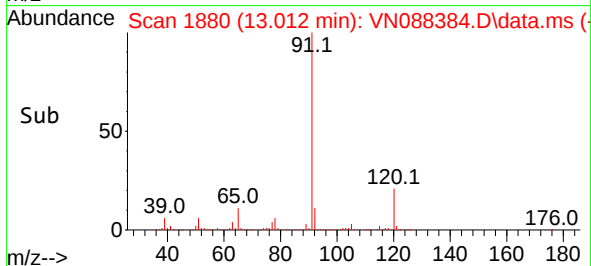
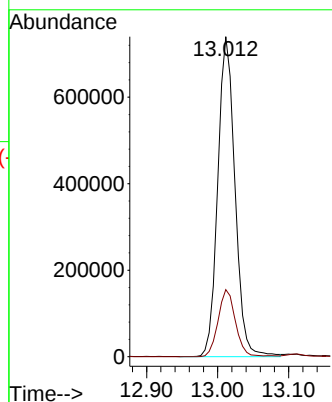
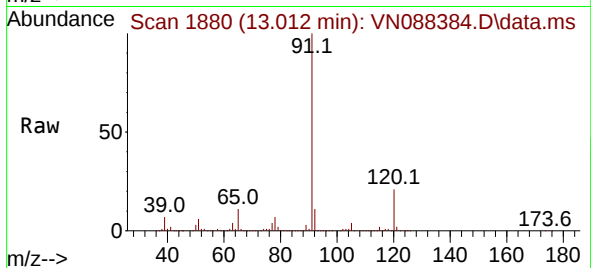
ClientSampleId :

Tgt Ion: 91 Resp: 1242004

Ion Ratio Lower Upper

91 100

120 21.0 10.9 32.6



#79

2-Chlorotoluene

Concen: 91.189 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. -0.088 min

Lab File: VN088384.D

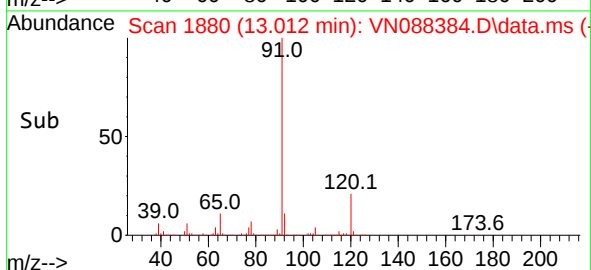
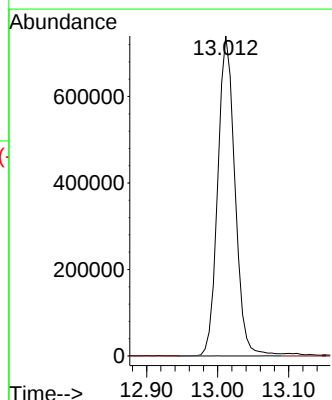
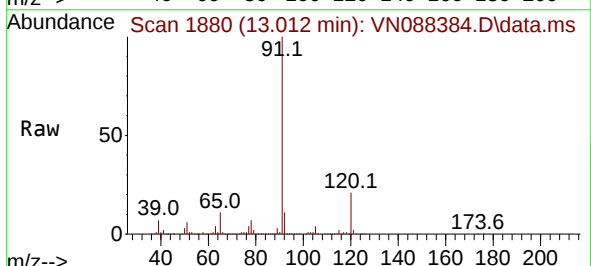
Acq: 01 Dec 2025 15:35

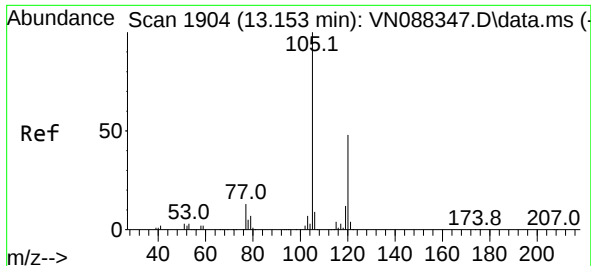
Tgt Ion: 91 Resp: 1242004

Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.9#

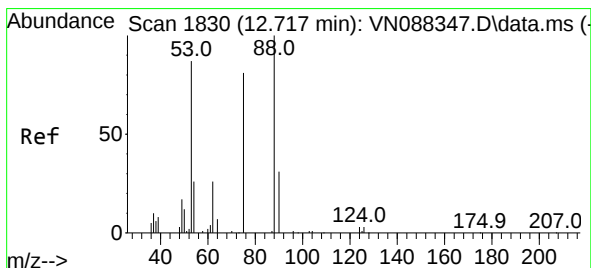
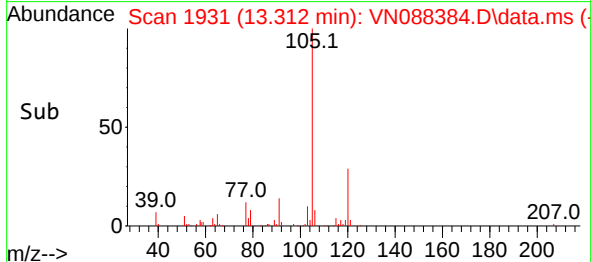
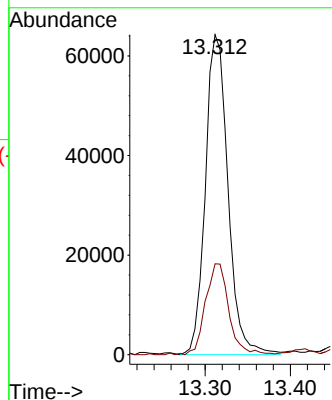
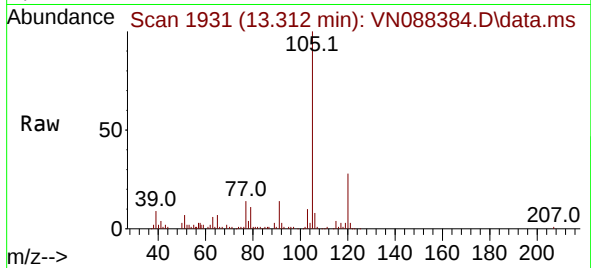




#80
 1,3,5-Trimethylbenzene
 Concen: 7.843 ug/l
 RT: 13.312 min Scan# 1904
 Delta R.T. 0.159 min
 Lab File: VN088384.D
 Acq: 01 Dec 2025 15:35

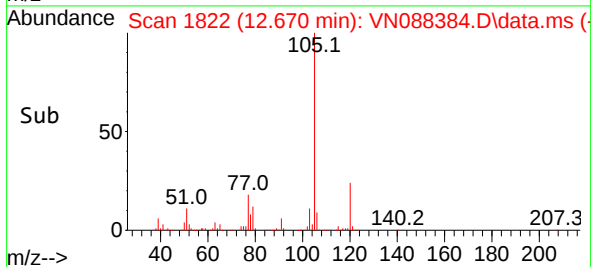
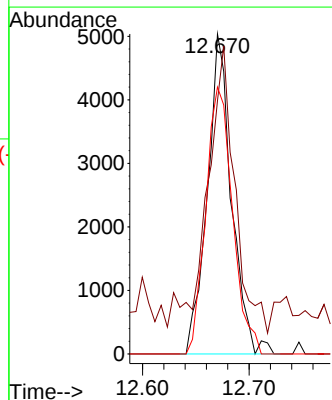
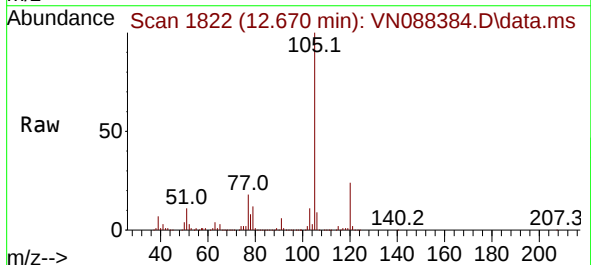
Instrument :
 MSVOA_N
 ClientSampleId :

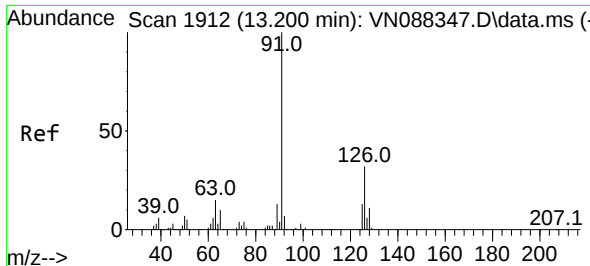
Tgt Ion:105 Resp: 118484
 Ion Ratio Lower Upper
 105 100
 120 29.3 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 3.898 ug/l
 RT: 12.670 min Scan# 1822
 Delta R.T. -0.047 min
 Lab File: VN088384.D
 Acq: 01 Dec 2025 15:35

Tgt Ion: 75 Resp: 7936
 Ion Ratio Lower Upper
 75 100
 53 103.1 92.2 138.4
 89 92.4 0.0 0.0#

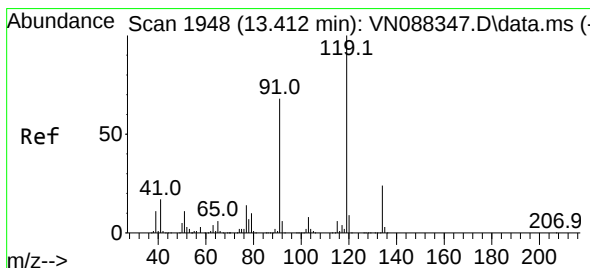
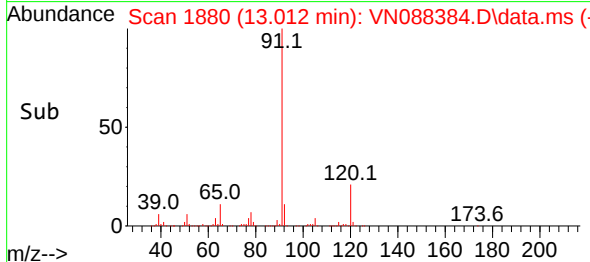
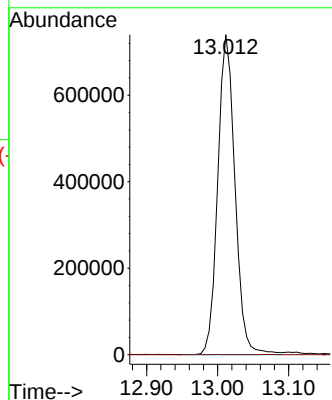
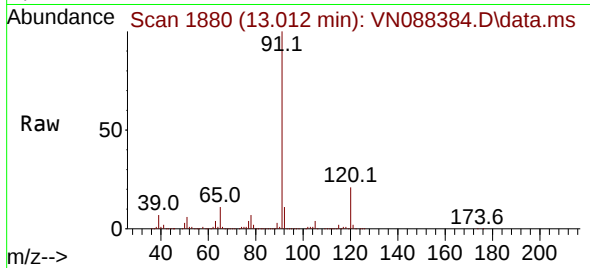




#82
4-Chlorotoluene
Concen: 91.810 ug/l
RT: 13.012 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

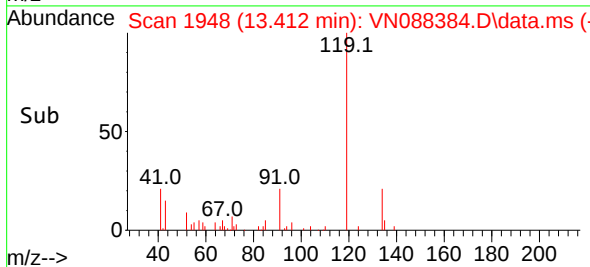
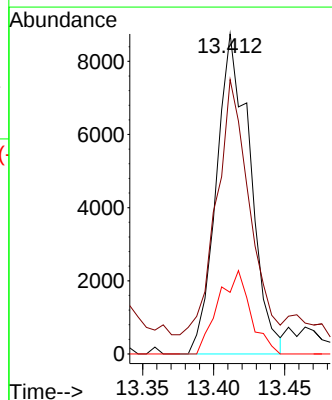
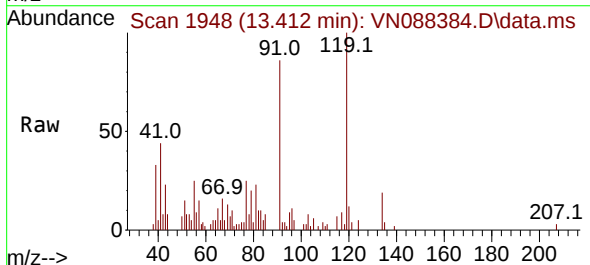
Instrument :
MSVOA_N
ClientSampleId :

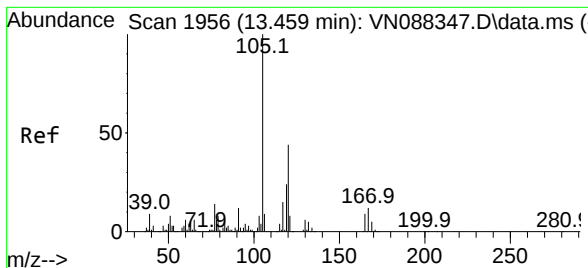
Tgt Ion: 91 Resp: 1242004
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.7#



#83
tert-Butylbenzene
Concen: 1.127 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VN088384.D
Acq: 01 Dec 2025 15:35

Tgt Ion: 119 Resp: 14471
Ion Ratio Lower Upper
119 100
91 75.8 35.1 105.3
134 25.0 12.8 38.4





#84

1,2,4-Trimethylbenzene

Concen: 0.600 ug/l

RT: 13.464 min Scan# 1956

Delta R.T. 0.006 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

Instrument :

MSVOA_N

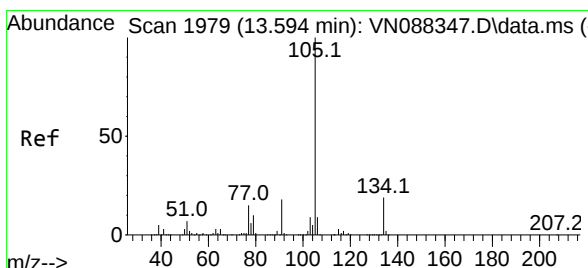
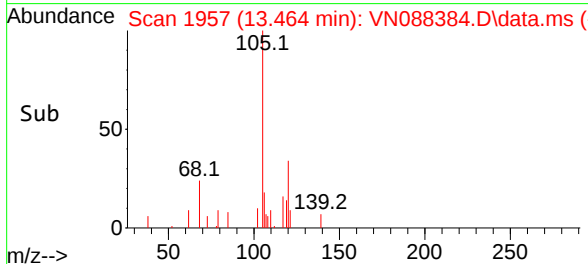
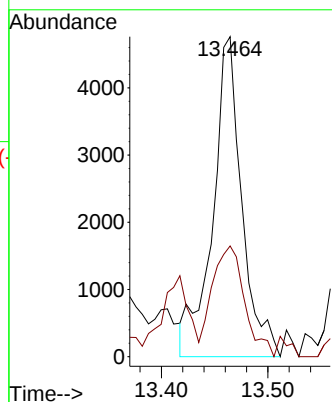
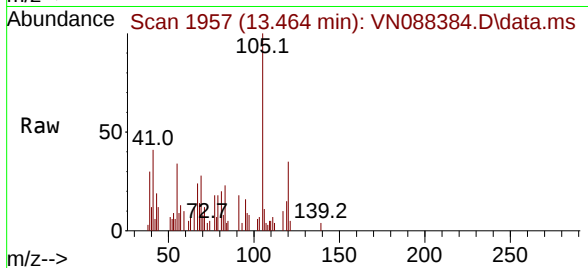
ClientSampleId :

Tgt Ion:105 Resp: 9005

Ion Ratio Lower Upper

105 100

120 38.5 22.1 66.1



#85

sec-Butylbenzene

Concen: 7.118 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VN088384.D

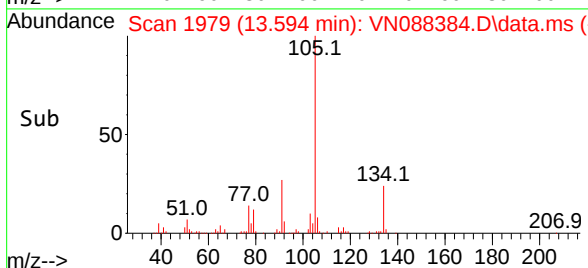
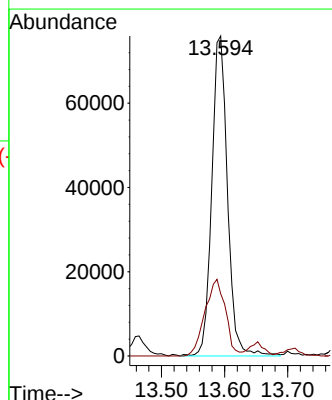
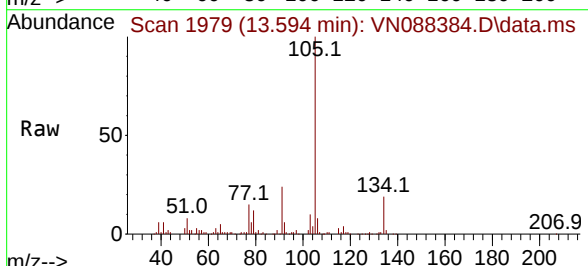
Acq: 01 Dec 2025 15:35

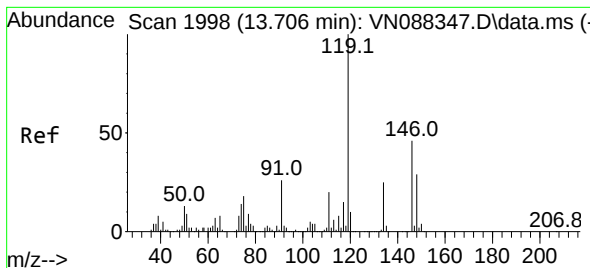
Tgt Ion:105 Resp: 131324

Ion Ratio Lower Upper

105 100

134 31.2 9.5 28.5#





#86

p-Isopropyltoluene

Concen: 0.774 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

Instrument :

MSVOA_N

ClientSampleId :

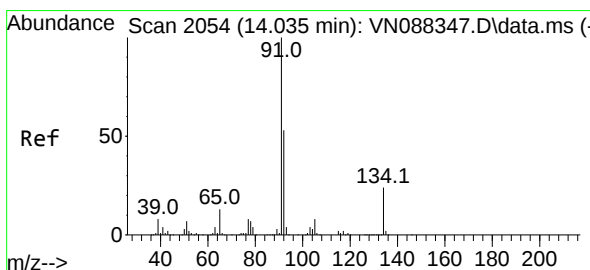
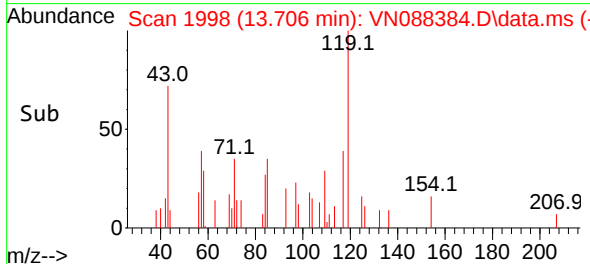
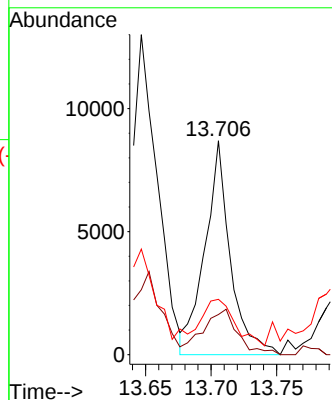
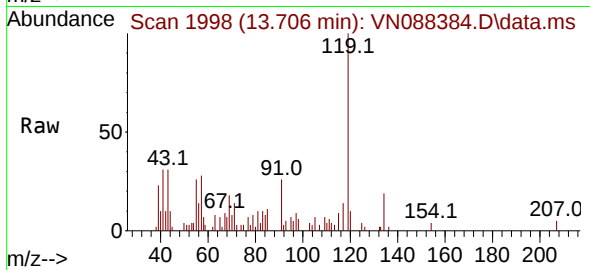
Tgt Ion:119 Resp: 11708

Ion Ratio Lower Upper

119 100

134 29.1 12.2 36.6

91 28.2 13.0 39.0



#89

n-Butylbenzene

Concen: 10.549 ug/l

RT: 14.035 min Scan# 2054

Delta R.T. -0.000 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

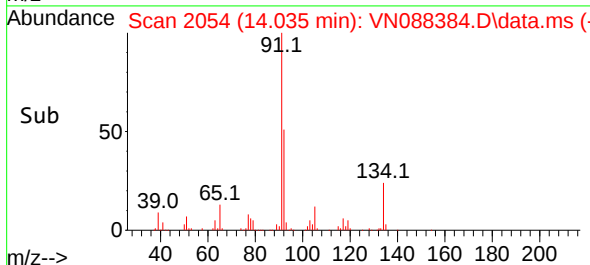
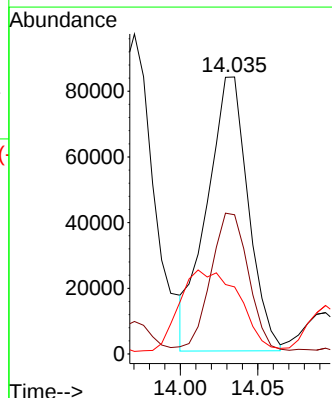
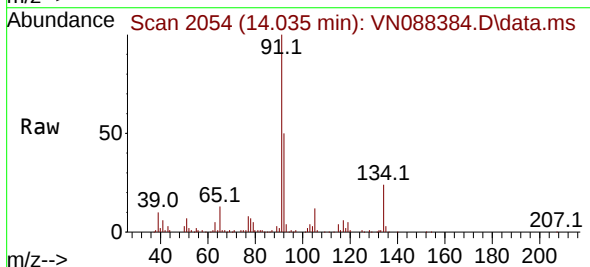
Tgt Ion: 91 Resp: 154958

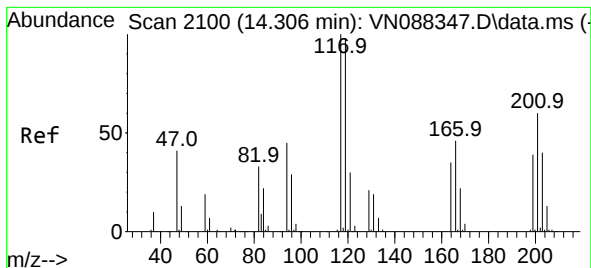
Ion Ratio Lower Upper

91 100

92 45.9 26.1 78.3

134 0.0 11.7 35.1#





#90

Hexachloroethane

Concen: 32.185 ug/l

RT: 14.306 min Scan# 2100

Delta R.T. -0.000 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

Instrument :

MSVOA_N

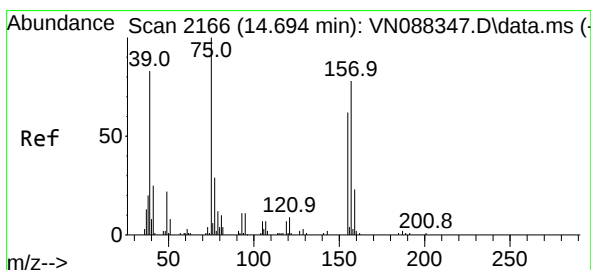
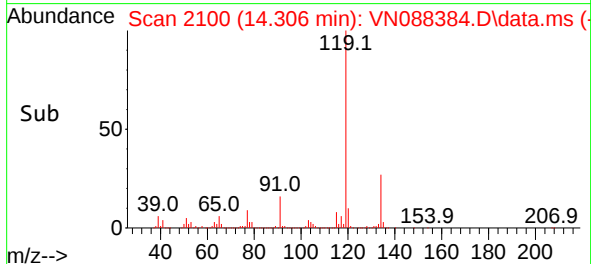
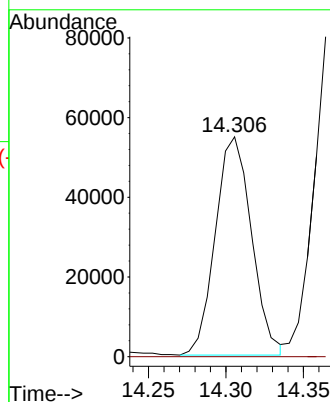
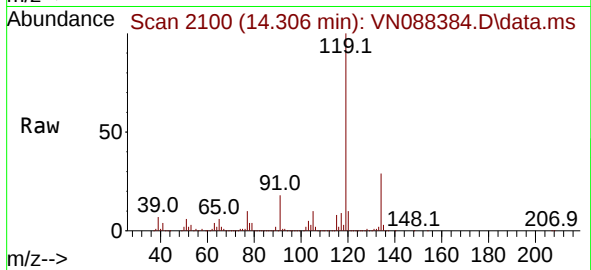
ClientSampleId :

Tgt Ion:117 Resp: 88950

Ion Ratio Lower Upper

117 100

201 0.0 30.3 90.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.787 ug/l

RT: 14.706 min Scan# 2168

Delta R.T. 0.012 min

Lab File: VN088384.D

Acq: 01 Dec 2025 15:35

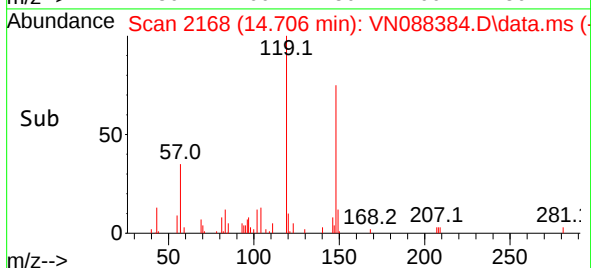
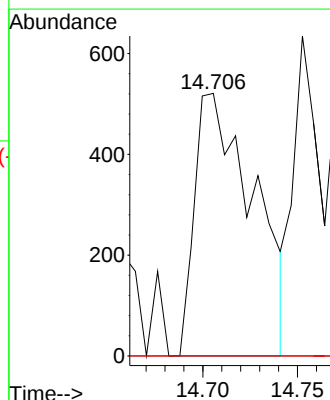
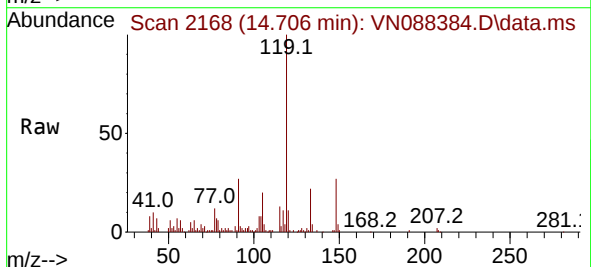
Tgt Ion: 75 Resp: 1126

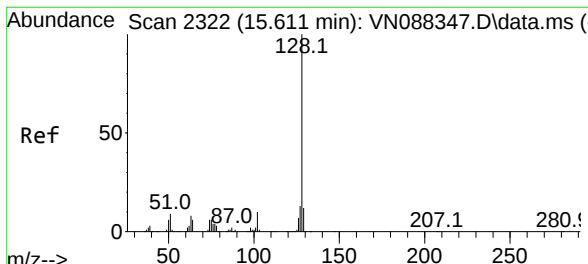
Ion Ratio Lower Upper

75 100

155 0.0 33.7 101.1#

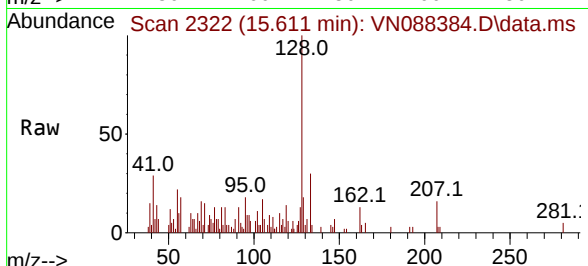
157 0.0 43.8 131.3#





#95
 Naphthalene
 Concen: 0.791 ug/l
 RT: 15.611 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN088384.D
 Acq: 01 Dec 2025 15:35

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	12451
Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.4	15.6
129	12.5	9.0	13.6

