

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088183.D
 Acq On : 31 Oct 2025 13:19
 Operator : JC\MD
 Sample : Q3447-01
 Misc : 3.29g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW1-251023-01

Quant Time: Nov 01 00:31:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	228030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	515714	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	480366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	245335	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	231568	58.727	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 117.460%	
35) Dibromofluoromethane	8.147	113	174376	50.331	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.660%	
50) Toluene-d8	10.541	98	674351	50.514	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.020%	
62) 4-Bromofluorobenzene	12.829	95	243353	51.617	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.240%	

Target Compounds				Qvalue		
3) Chloromethane	2.371	50	980	0.324	ug/l	98
10) Methyl Iodide	4.559	142	2316	5.003	ug/l	92
11) Tert butyl alcohol	5.495	59	1316	1.937	ug/l #	71
13) Acrolein	4.177	56	216	0.283	ug/l #	14
14) Allyl chloride	5.089	41	21509	4.282	ug/l #	50
15) Acrylonitrile	5.783	53	2925	1.581	ug/l #	36
16) Acetone	4.436	43	10933	5.519	ug/l #	85
17) Carbon Disulfide	4.689	76	11117	1.276	ug/l #	94
18) Methyl Acetate	5.018	43	54636	13.472	ug/l	99
20) Methylene Chloride	5.259	84	3825	1.994	ug/l #	71
25) 2-Butanone	7.489	43	5581	2.138	ug/l #	88
26) 2,2-Dichloropropane	7.294	77	1851	0.348	ug/l #	61
28) Bromochloromethane	7.983	49	570	0.206	ug/l #	19
30) Chloroform	7.918	83	3112	0.532	ug/l #	19
31) Cyclohexane	8.236	56	124320	22.524	ug/l #	91
36) 1,1-Dichloropropene	8.206	75	22936	4.534	ug/l #	52
37) Ethyl Acetate	7.489	43	5581	0.855	ug/l #	72
38) Carbon Tetrachloride	8.200	117	27300	5.225	ug/l #	16
39) Methylcyclohexane	9.577	83	299427	46.049	ug/l	98
40) Benzene	8.583	78	56347	3.657	ug/l	99
41) Methacrylonitrile	7.718	41	2061	0.600	ug/l #	45
43) Isopropyl Acetate	8.688	43	11096	1.106	ug/l #	58
45) 1,2-Dichloropropane	9.583	63	5063	1.302	ug/l #	1
47) Bromodichloromethane	9.847	83	4355	0.784	ug/l #	23
48) Methyl methacrylate	9.577	41	185725	40.102	ug/l #	76
51) 4-Methyl-2-Pentanone	10.547	43	18094	3.049	ug/l	98
52) Toluene	10.606	92	277707	29.237	ug/l	97
55) 1,1,2-Trichloroethane	10.982	97	74291	20.616	ug/l #	20
56) Ethyl methacrylate	10.835	69	11478	2.013	ug/l #	26
58) 2-Chloroethyl Vinyl ether	10.130	63	2708	0.913	ug/l #	49
59) 2-Hexanone	11.147	43	103868	26.384	ug/l #	30
67) Ethyl Benzene	11.941	91	344808	18.009	ug/l	99
68) m/p-Xylenes	12.047	106	512034	71.376	ug/l	99
69) o-Xylene	12.376	106	238036	35.003	ug/l	100
70) Styrene	12.371	104	12103	1.091	ug/l #	1
73) Isopropylbenzene	12.671	105	100155	5.293	ug/l	97

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

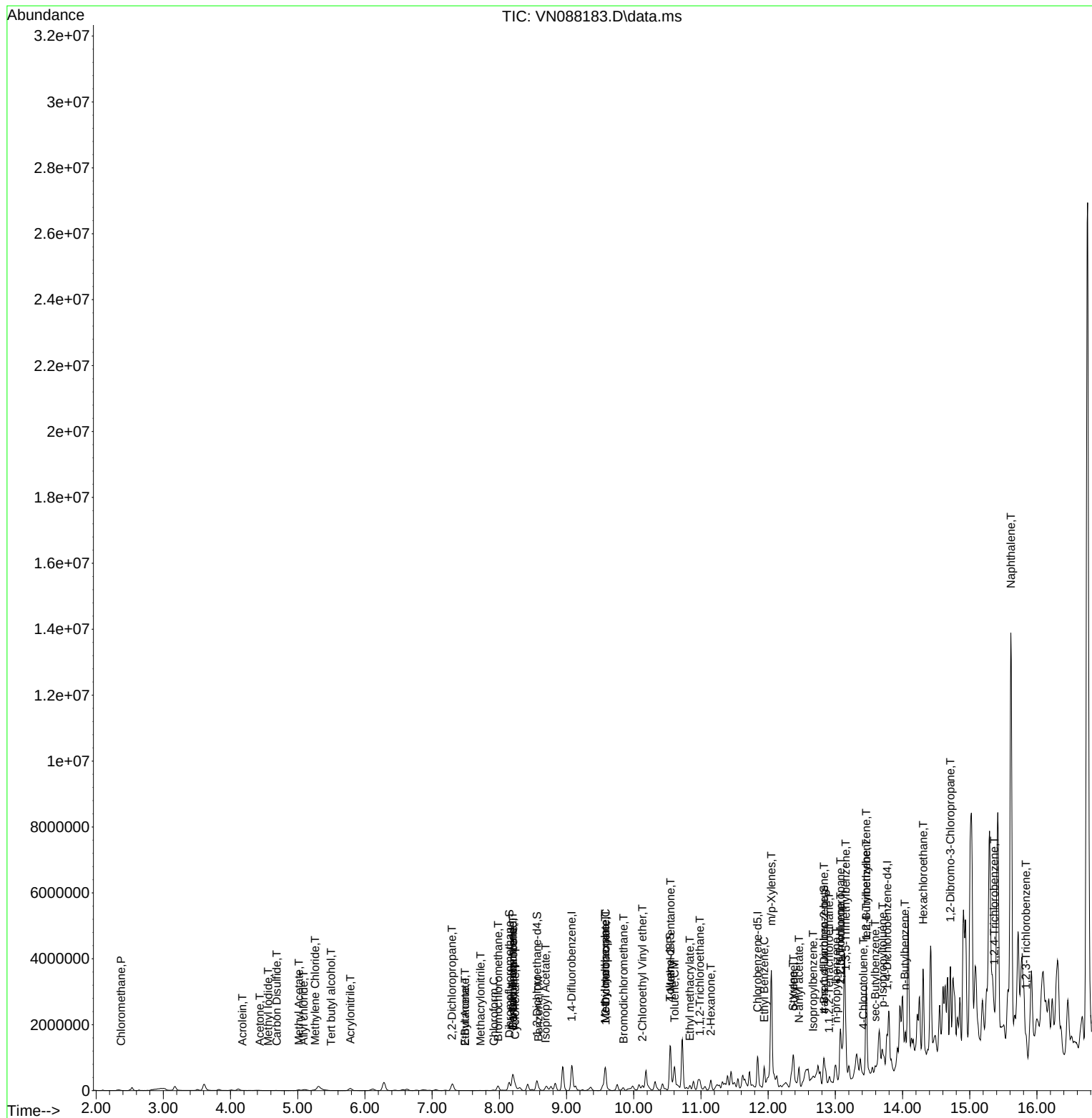
74) N-amyl acetate	12.459	43	116648	21.716	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.906	83	8628	1.465	ug/l #	25
76) 1,2,3-Trichloropropane	13.076	75	10718	1.911	ug/l #	1
78) n-propylbenzene	13.012	91	231471	10.024	ug/l	100
79) 2-Chlorotoluene	13.076	91	121454	9.223	ug/l #	53
80) 1,3,5-Trimethylbenzene	13.153	105	453919	28.885	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.829	75	140477	69.862	ug/l #	1
82) 4-Chlorotoluene	13.418	91	9421	0.661	ug/l	77
83) tert-Butylbenzene	13.459	119	196892	14.026	ug/l #	65
84) 1,2,4-Trimethylbenzene	13.459	105	1623716	103.270	ug/l	99
85) sec-Butylbenzene	13.594	105	78904	3.826	ug/l #	63
86) p-Isopropyltoluene	13.706	119	233418	14.108	ug/l	96
89) n-Butylbenzene	14.035	91	210593	12.850	ug/l #	70
90) Hexachloroethane	14.306	117	125524	39.177	ug/l #	22
92) 1,2-Dibromo-3-Chloropr...	14.712	75	6055	4.416	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.365	180	1729	0.364	ug/l #	1
95) Naphthalene	15.612	128	11017146	676.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	5174	1.135	ug/l #	13

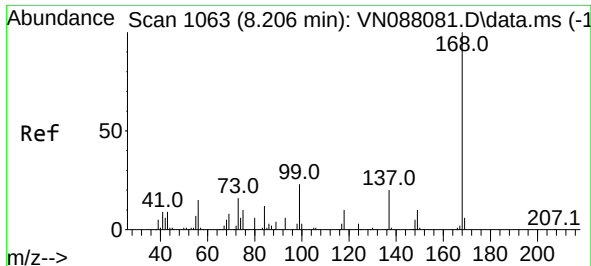
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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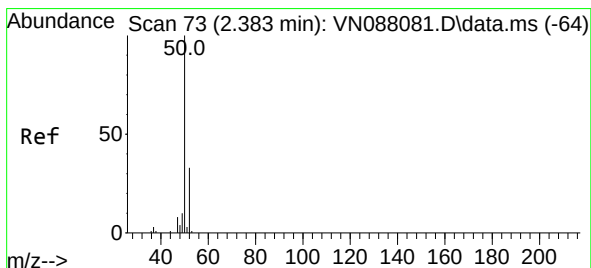
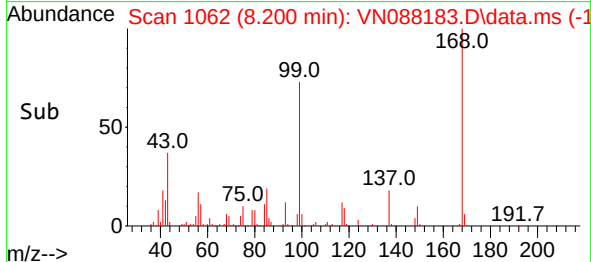
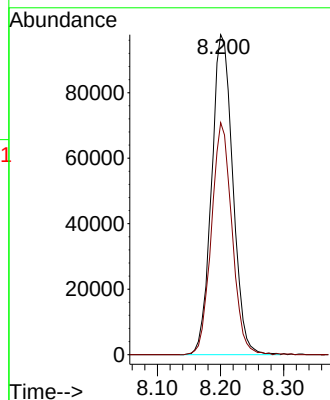
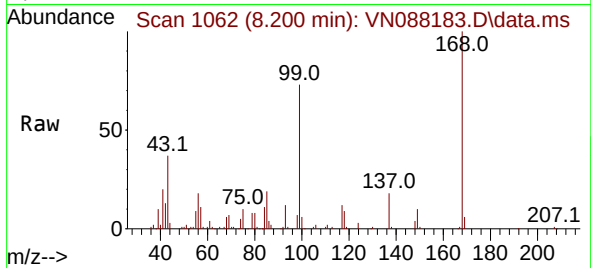




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN088183.D
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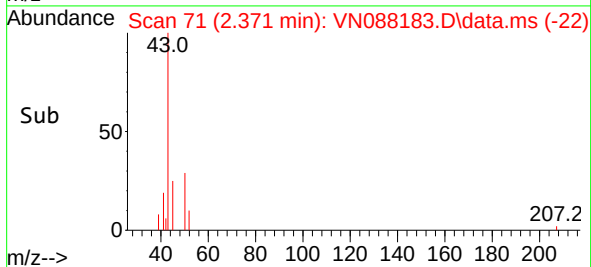
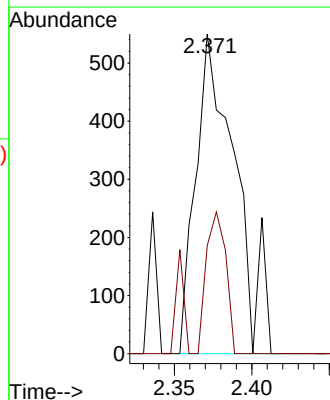
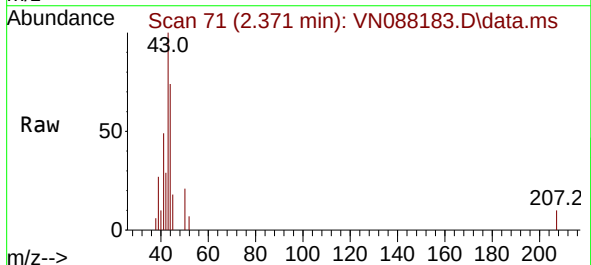
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

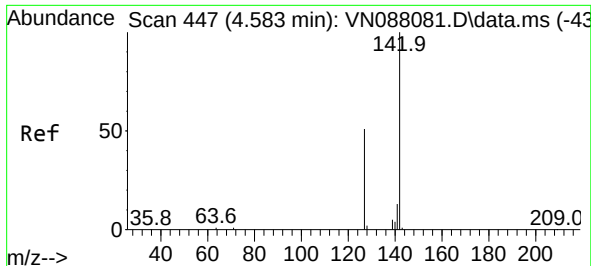
Tgt Ion:168 Resp: 228030
Ion Ratio Lower Upper
168 100
99 72.5 57.2 85.8



#3
Chloromethane
Concen: 0.324 ug/l
RT: 2.371 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

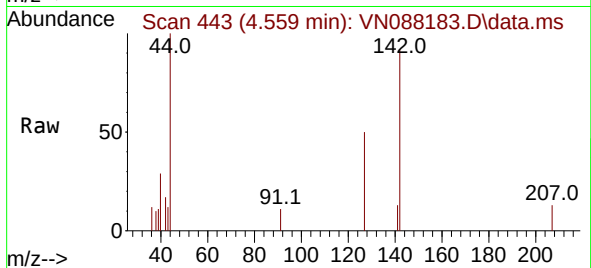
Tgt Ion: 50 Resp: 980
Ion Ratio Lower Upper
50 100
52 33.8 26.2 39.4



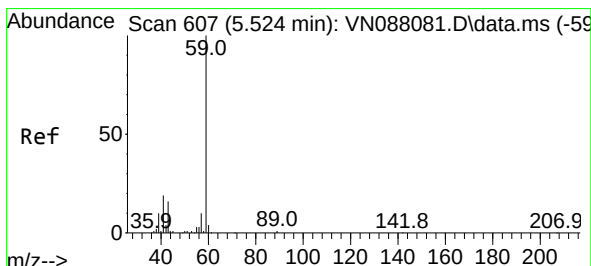
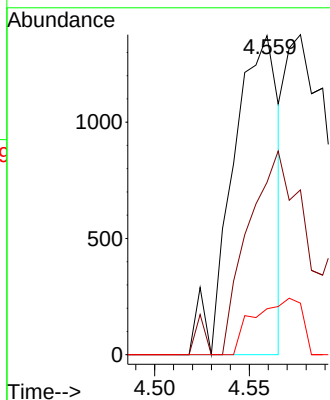
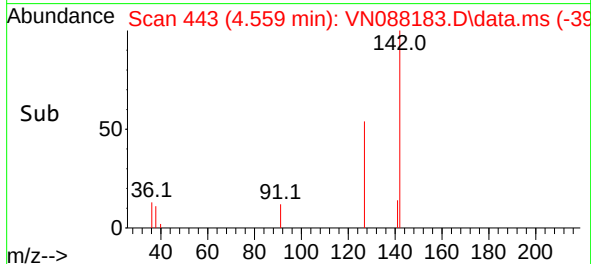


#10
Methyl Iodide
Concen: 5.003 ug/l
RT: 4.559 min Scan# 443
Delta R.T. -0.018 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

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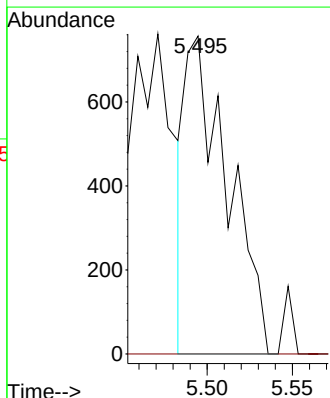
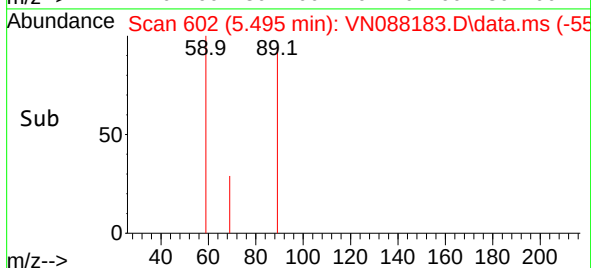
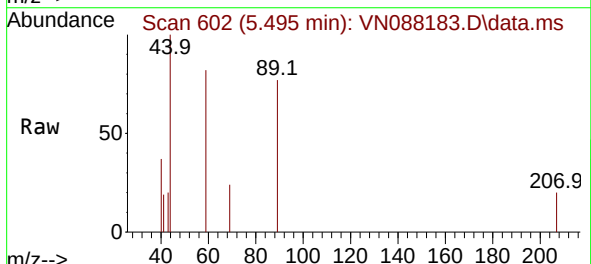


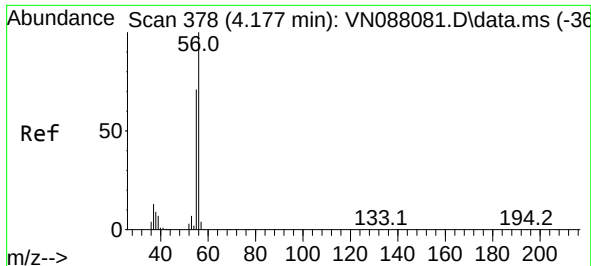
Tgt Ion:142 Resp: 2316
Ion Ratio Lower Upper
142 100
127 54.0 38.0 57.0
141 14.4 12.0 18.0



#11
Tert butyl alcohol
Concen: 1.937 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.024 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 59 Resp: 1316
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

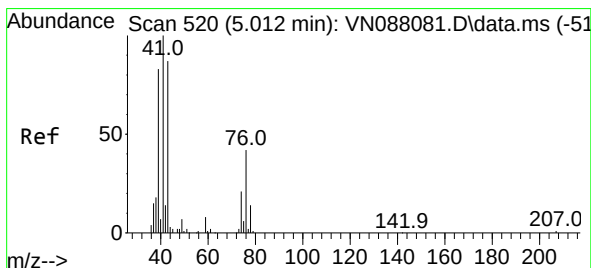
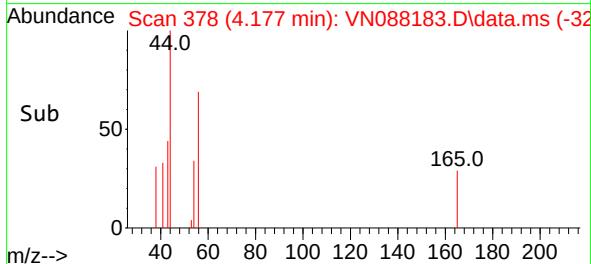
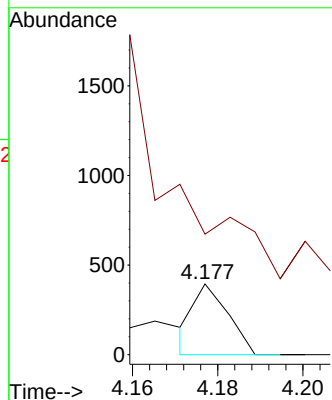
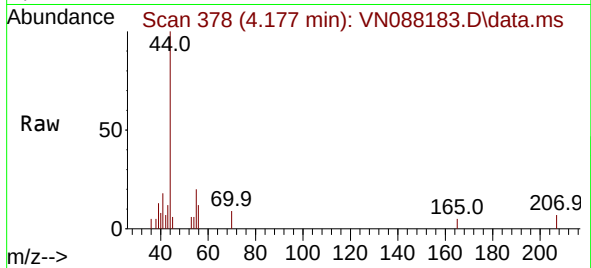




#13
Acrolein
Concen: 0.283 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

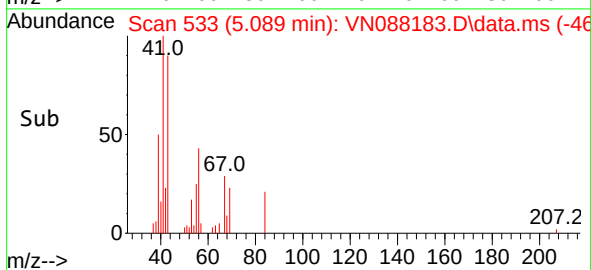
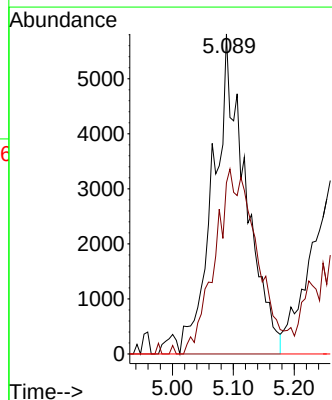
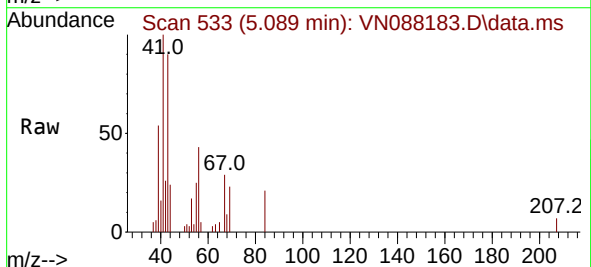
Instrument :
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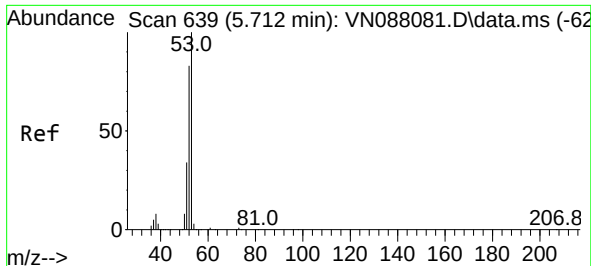
Tgt Ion: 56 Resp: 216
Ion Ratio Lower Upper
56 100
55 0.0 57.3 85.9#



#14
Allyl chloride
Concen: 4.282 ug/l
RT: 5.089 min Scan# 533
Delta R.T. 0.082 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 41 Resp: 21509
Ion Ratio Lower Upper
41 100
39 40.3 63.9 95.9#
76 0.0 28.1 42.1#

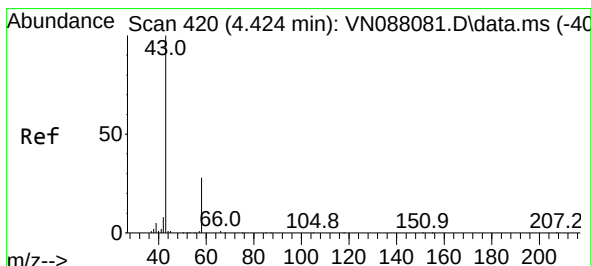
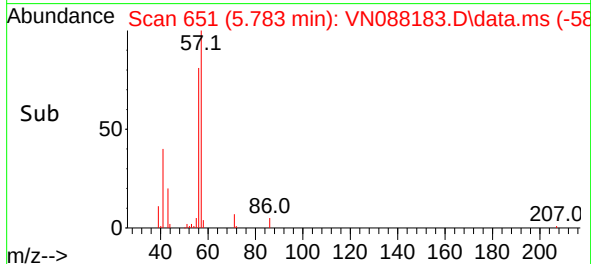
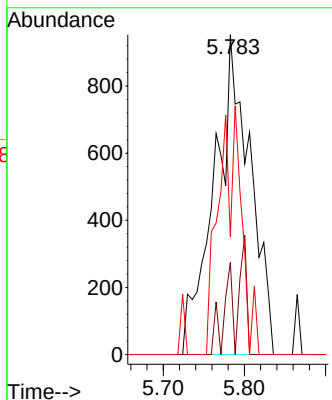
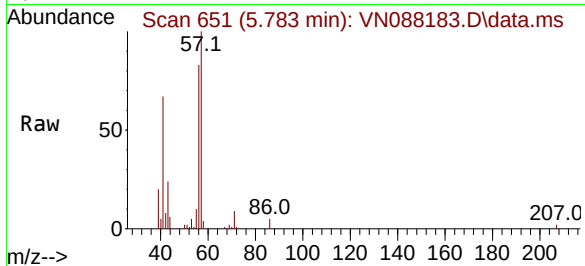




#15
Acrylonitrile
Concen: 1.581 ug/l
RT: 5.783 min Scan# 611
Delta R.T. 0.076 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

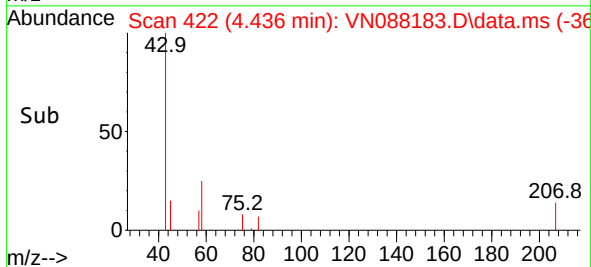
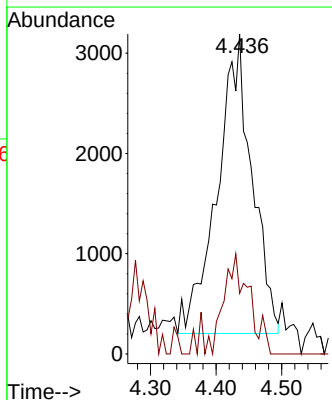
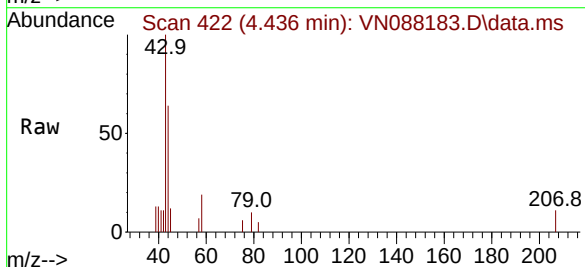
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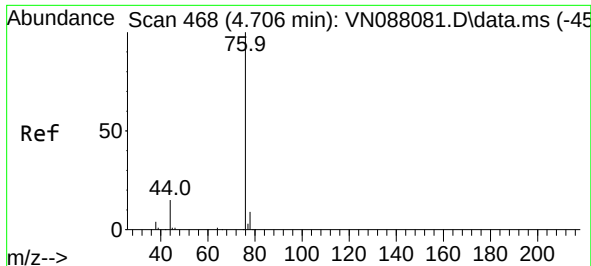
Tgt Ion: 53 Resp: 2925
Ion Ratio Lower Upper
53 100
52 7.3 67.6 101.4#
51 27.9 30.1 45.1#



#16
Acetone
Concen: 5.519 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 43 Resp: 10933
Ion Ratio Lower Upper
43 100
58 20.2 22.6 33.8#

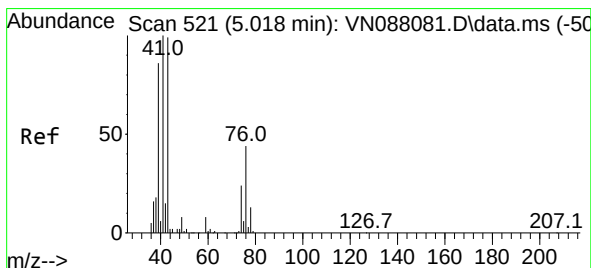
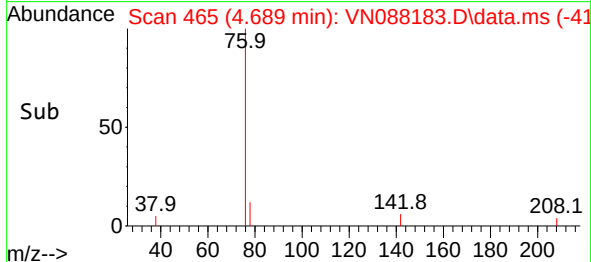
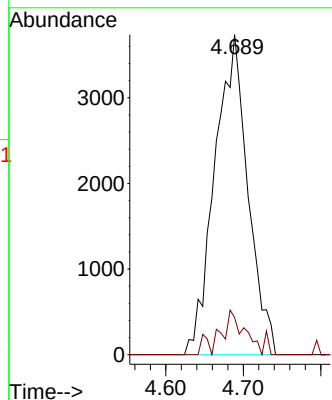
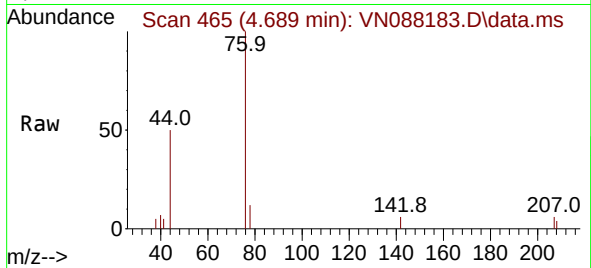




#17
Carbon Disulfide
Concen: 1.276 ug/l
RT: 4.689 min Scan# 465
Delta R.T. -0.012 min
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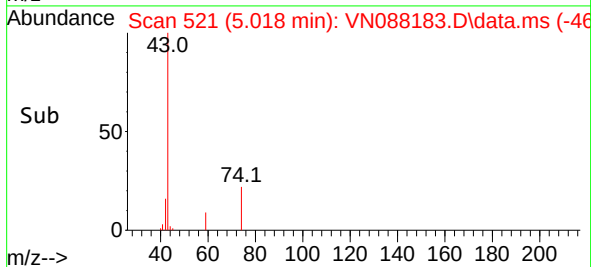
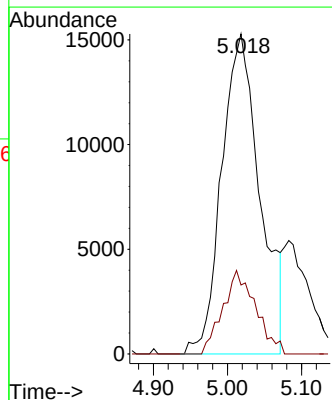
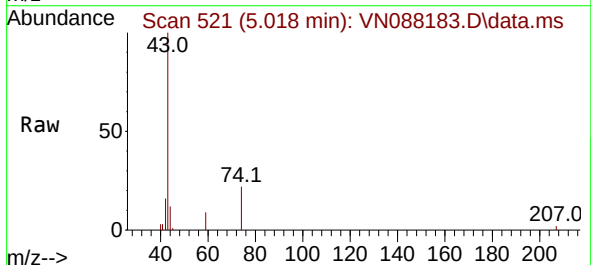
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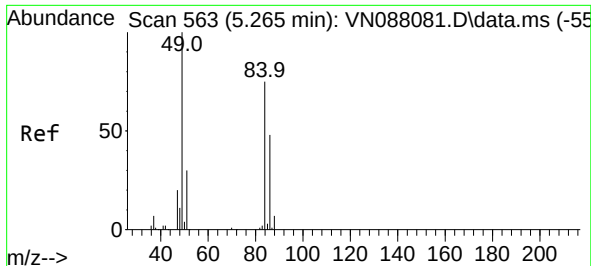
Tgt Ion: 76 Resp: 11117
Ion Ratio Lower Upper
76 100
78 11.6 7.6 11.4#



#18
Methyl Acetate
Concen: 13.472 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 43 Resp: 54636
Ion Ratio Lower Upper
43 100
74 22.5 17.6 26.4

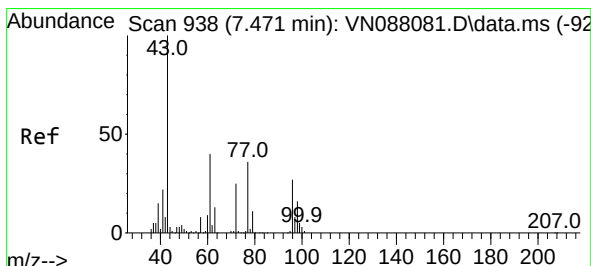
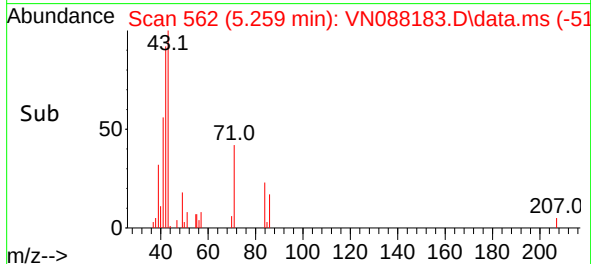
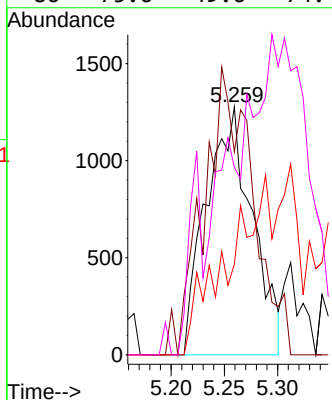
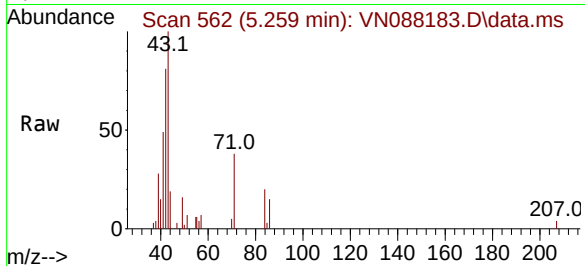




#20
Methylene Chloride
Concen: 1.994 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN088183.D
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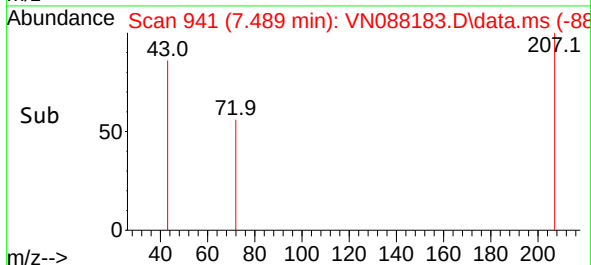
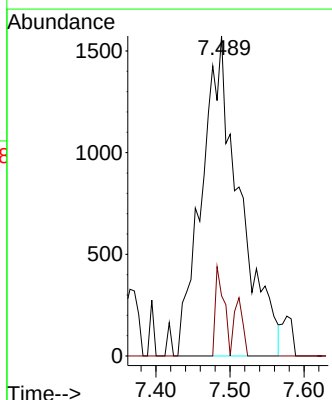
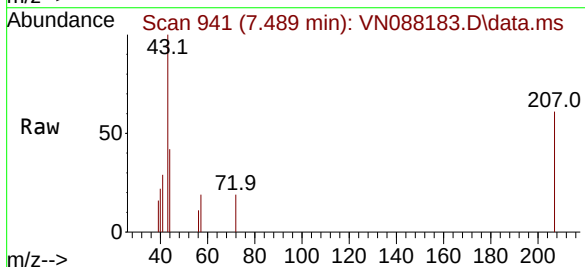
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

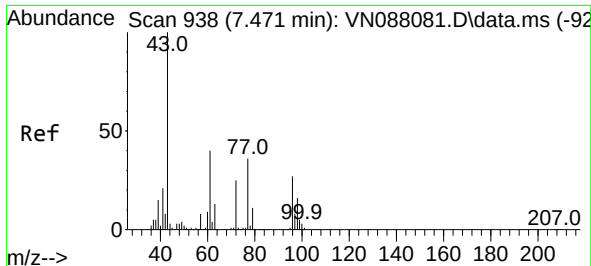
Tgt Ion: 84 Resp: 3825
Ion Ratio Lower Upper
84 100
49 81.9 103.4 155.2#
51 36.6 33.8 50.8
86 75.6 49.6 74.4#



#25
2-Butanone
Concen: 2.138 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.024 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 43 Resp: 5581
Ion Ratio Lower Upper
43 100
72 18.8 19.9 29.9#

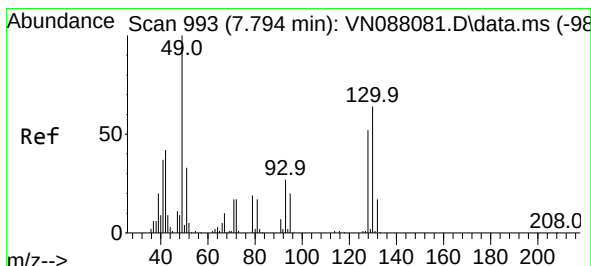
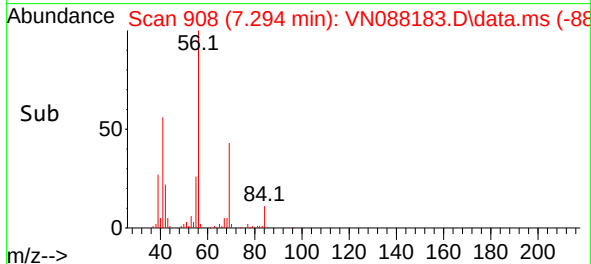
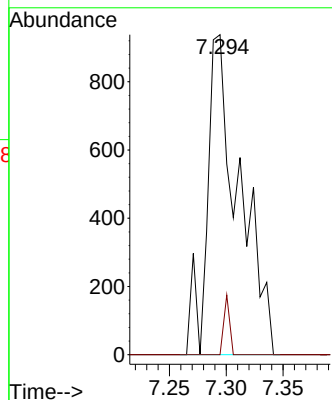
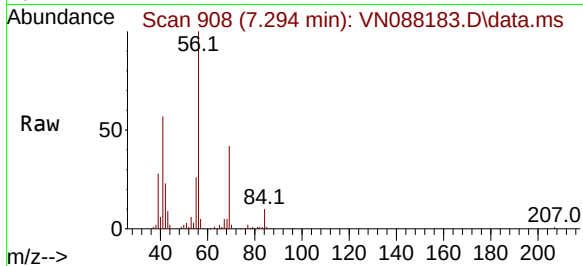




#26
2,2-Dichloropropane
Concen: 0.348 ug/l
RT: 7.294 min Scan# 90
Delta R.T. -0.182 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

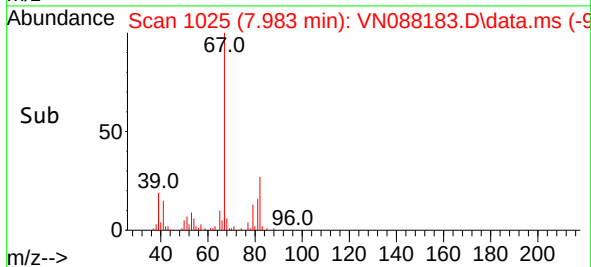
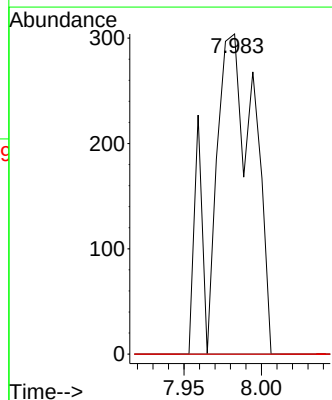
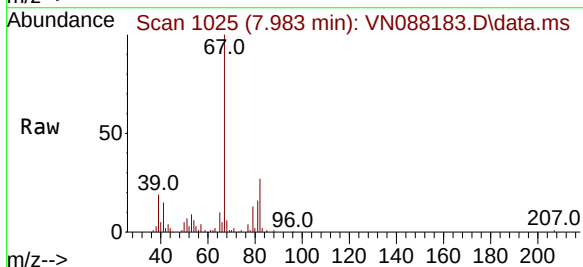
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

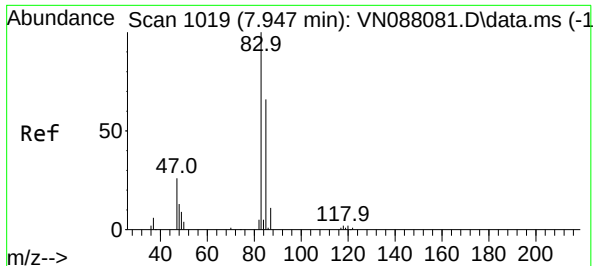
Tgt Ion: 77 Resp: 1851
Ion Ratio Lower Upper
77 100
97 3.3 10.9 32.7#



#28
Bromochloromethane
Concen: 0.206 ug/l
RT: 7.983 min Scan# 1025
Delta R.T. 0.182 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 49 Resp: 570
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.0
130 0.0 53.1 79.7#





#30

Chloroform

Concen: 0.532 ug/l

RT: 7.918 min Scan# 1014

Delta R.T. -0.029 min

Lab File: VN088183.D

Acq: 31 Oct 2025 13:19

Instrument :

MSVOA_N

ClientSampleId :

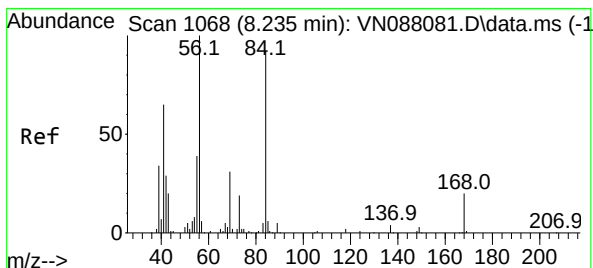
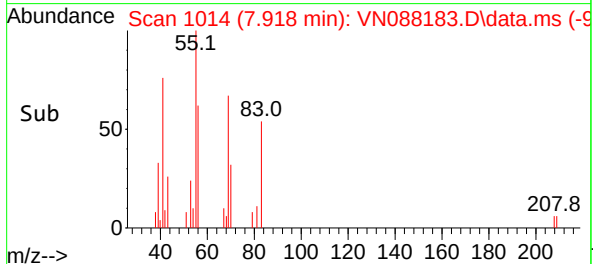
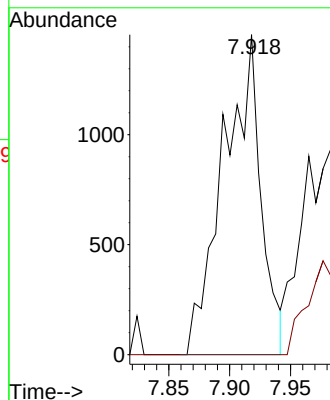
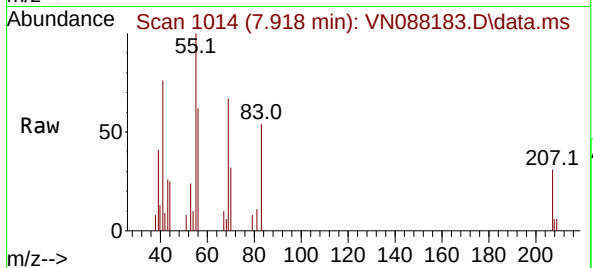
P001-TW1-251023-01

Tgt Ion: 83 Resp: 3112

Ion Ratio Lower Upper

83 100

85 0.0 50.7 76.1#



#31

Cyclohexane

Concen: 22.524 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VN088183.D

Acq: 31 Oct 2025 13:19

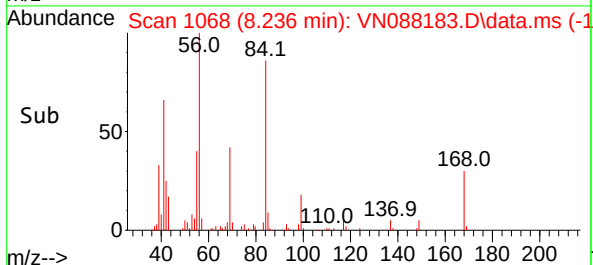
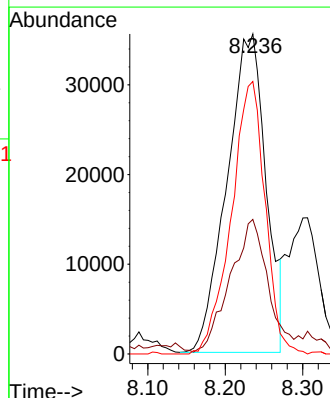
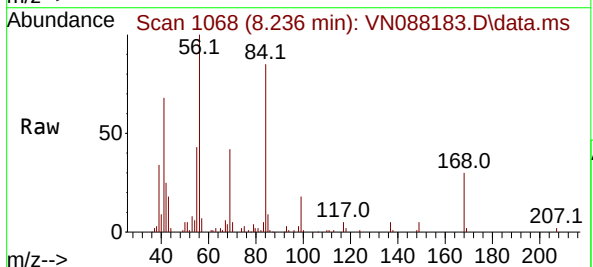
Tgt Ion: 56 Resp: 124320

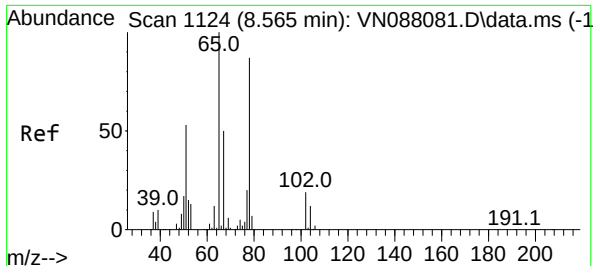
Ion Ratio Lower Upper

56 100

69 40.0 23.7 35.5#

84 85.6 64.7 97.1





#33

1,2-Dichloroethane-d4

Concen: 58.727 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088183.D

Acq: 31 Oct 2025 13:19

Instrument :

MSVOA_N

ClientSampleId :

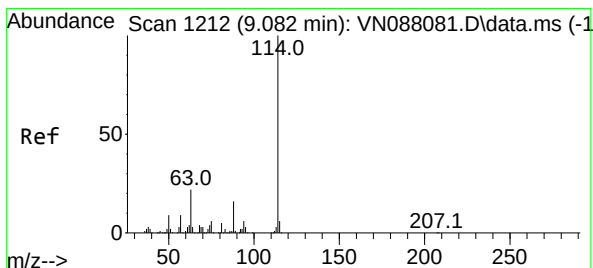
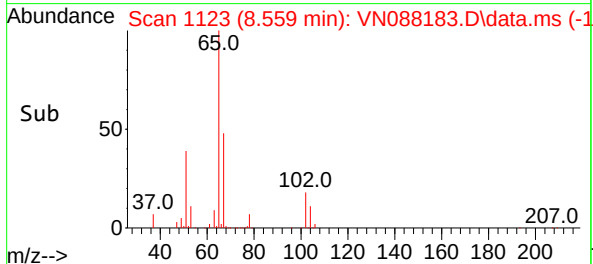
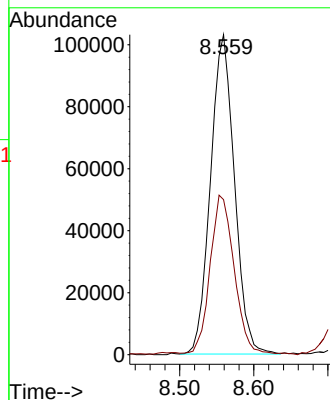
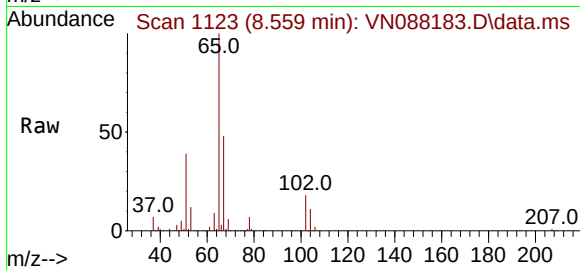
P001-TW1-251023-01

Tgt Ion: 65 Resp: 231568

Ion Ratio Lower Upper

65 100

67 50.8 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN088183.D

Acq: 31 Oct 2025 13:19

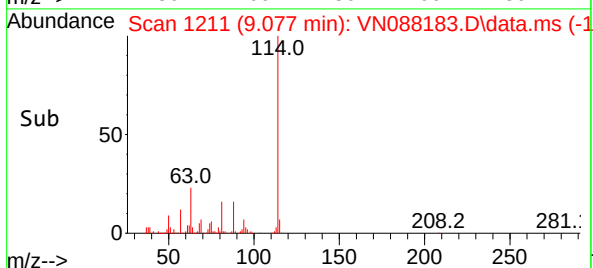
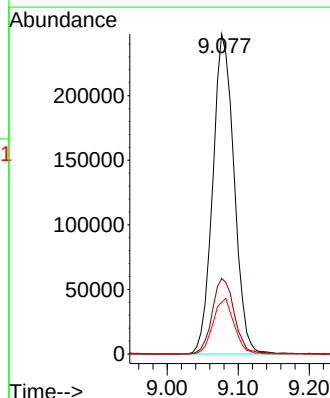
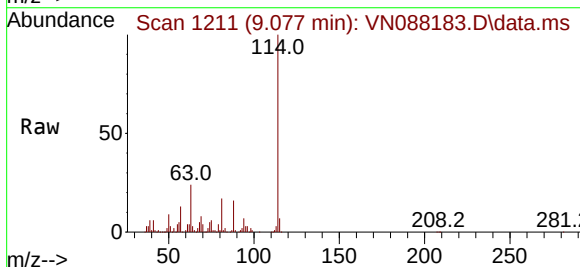
Tgt Ion: 114 Resp: 515714

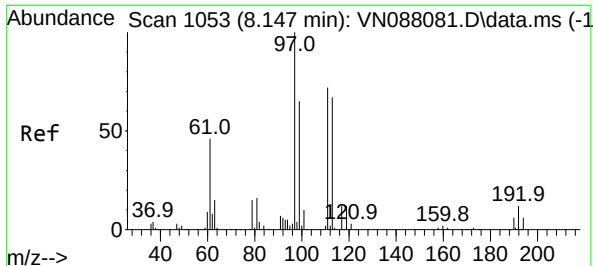
Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 16.2 0.0 33.4

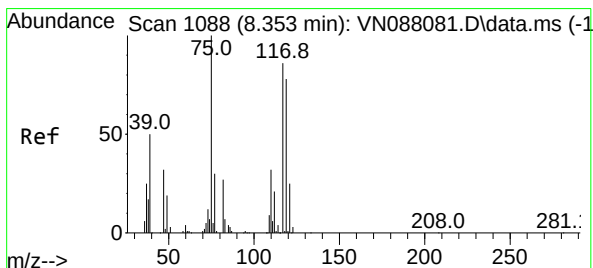
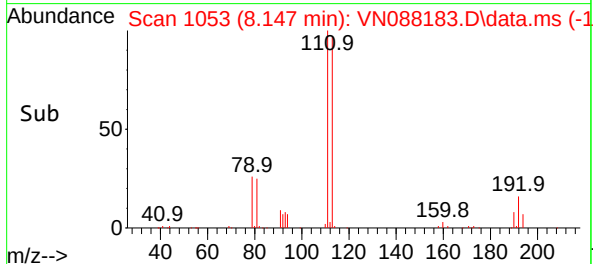
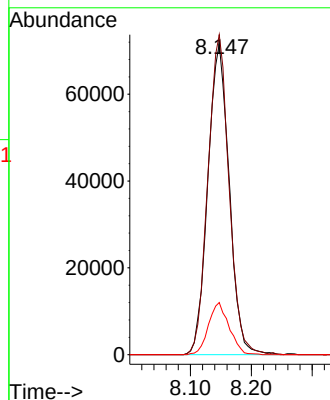
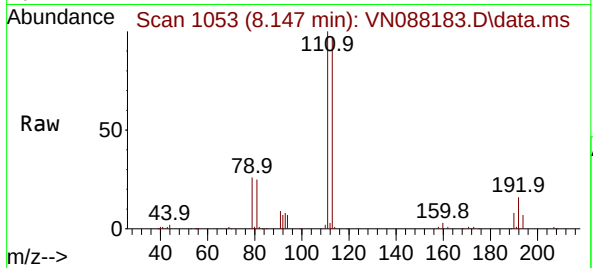




#35
Dibromofluoromethane
Concen: 50.331 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

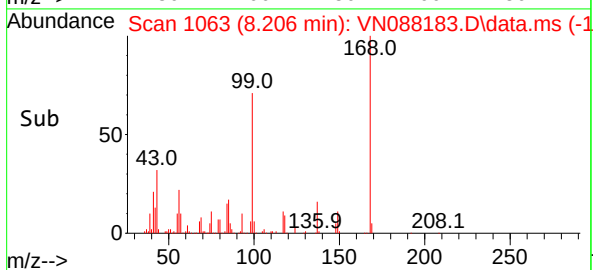
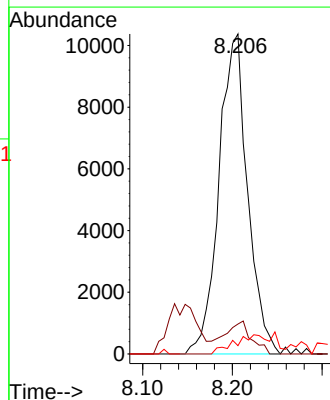
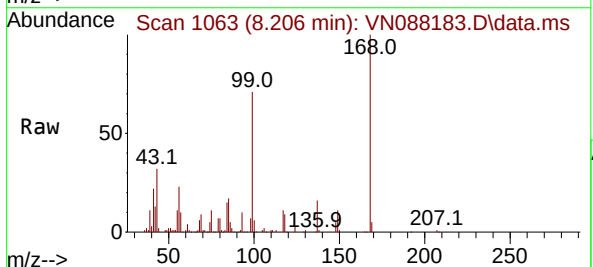
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

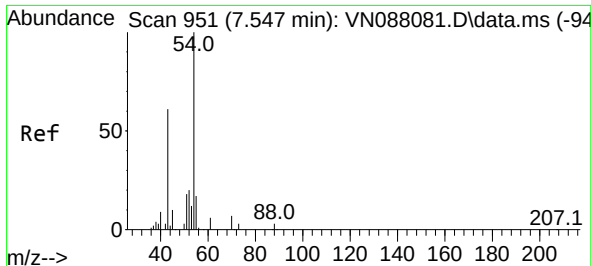
Tgt Ion:113 Resp: 174376
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 16.2 12.8 19.2



#36
1,1-Dichloropropene
Concen: 4.534 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.147 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 75 Resp: 22936
Ion Ratio Lower Upper
75 100
110 9.5 15.9 47.6#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 0.855 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.059 min

Lab File: VN088183.D

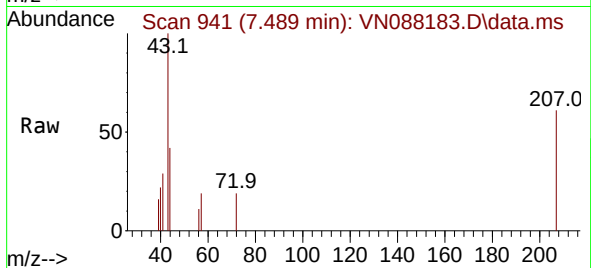
Acq: 31 Oct 2025 13:19

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01



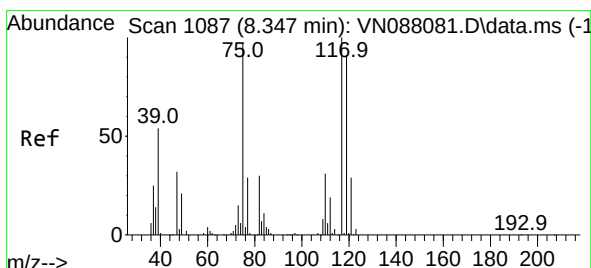
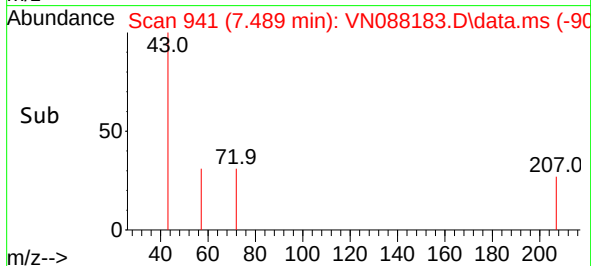
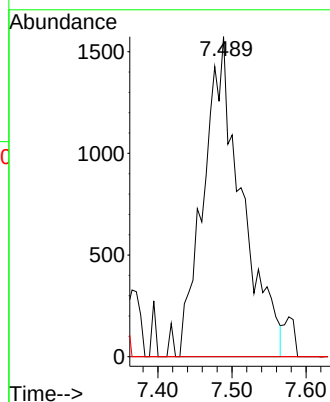
Tgt Ion: 43 Resp: 5581

Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#



#38

Carbon Tetrachloride

Concen: 5.225 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.141 min

Lab File: VN088183.D

Acq: 31 Oct 2025 13:19

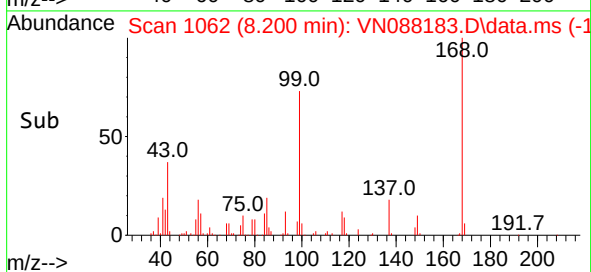
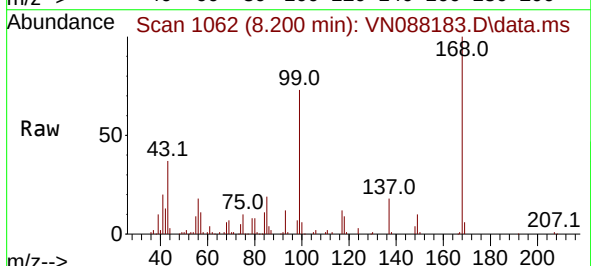
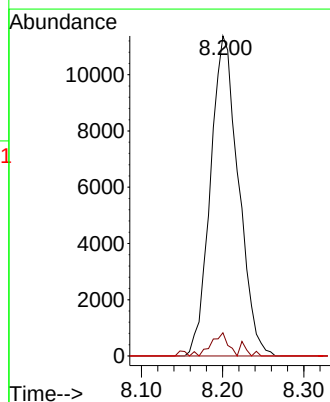
Tgt Ion: 117 Resp: 27300

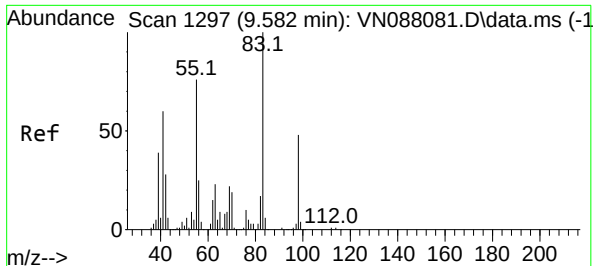
Ion Ratio Lower Upper

117 100

119 7.3 79.0 118.6#

121 0.0 25.0 37.6#





#39

Methylcyclohexane

Concen: 46.049 ug/l

RT: 9.577 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN088183.D

Acq: 31 Oct 2025 13:19

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01

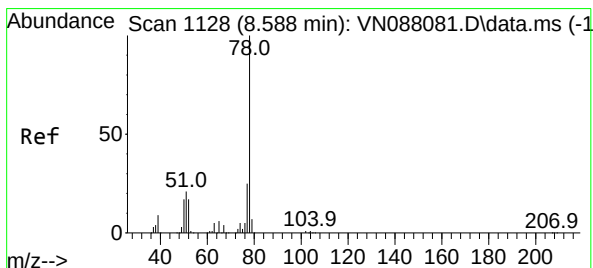
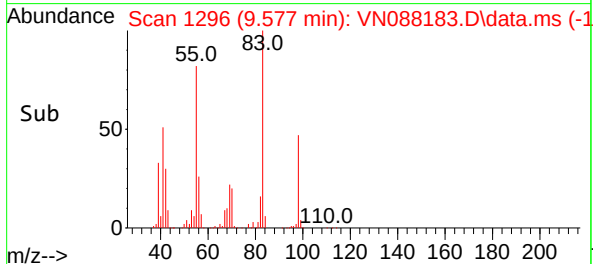
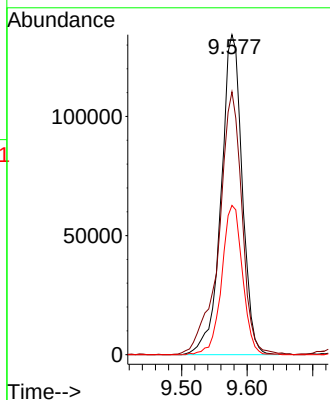
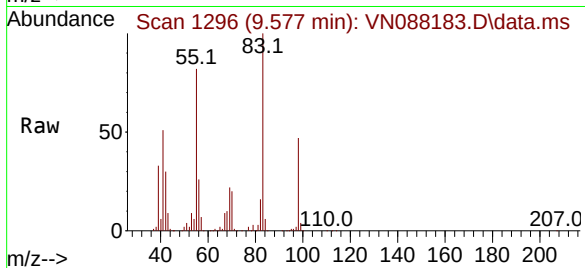
Tgt Ion: 83 Resp: 299427

Ion Ratio Lower Upper

83 100

55 81.9 64.6 96.8

98 46.6 38.4 57.6



#40

Benzene

Concen: 3.657 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN088183.D

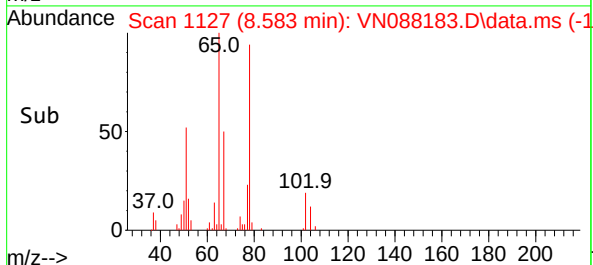
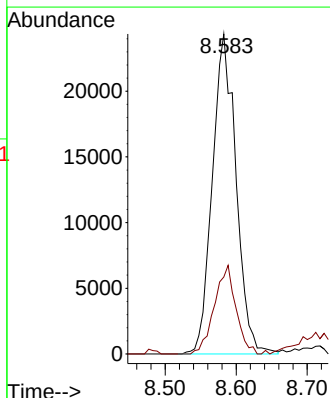
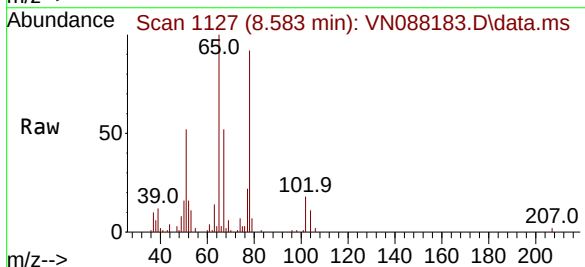
Acq: 31 Oct 2025 13:19

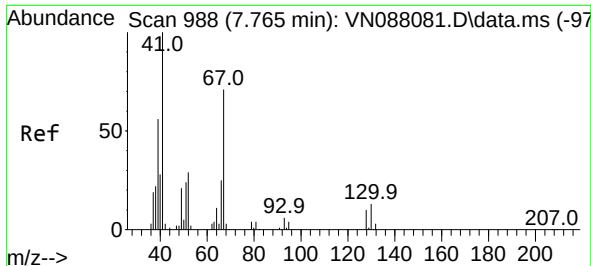
Tgt Ion: 78 Resp: 56347

Ion Ratio Lower Upper

78 100

77 24.0 19.7 29.5

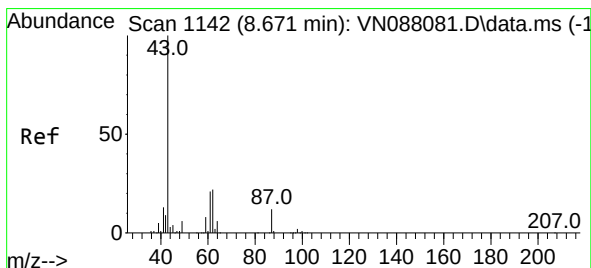
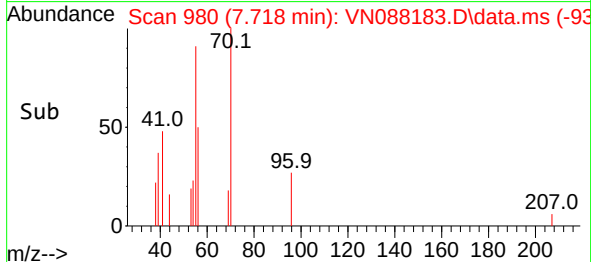
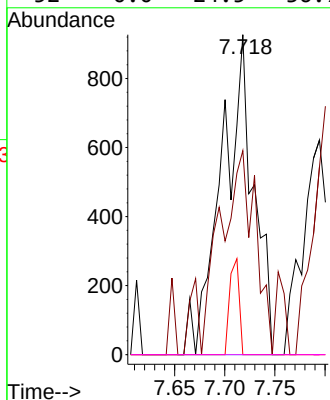
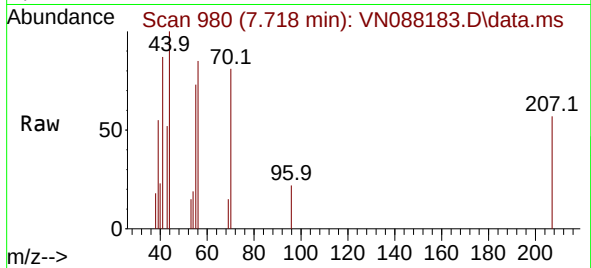




#41
Methacrylonitrile
Concen: 0.600 ug/l
RT: 7.718 min Scan# 91
Delta R.T. -0.041 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

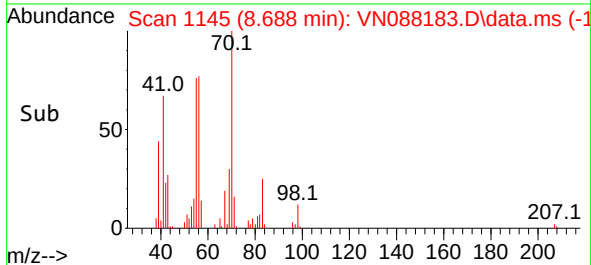
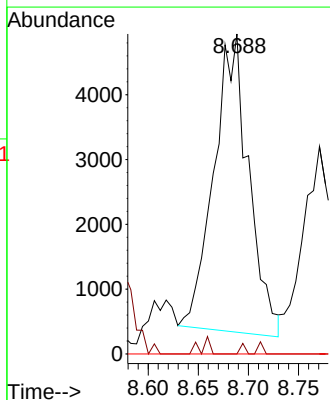
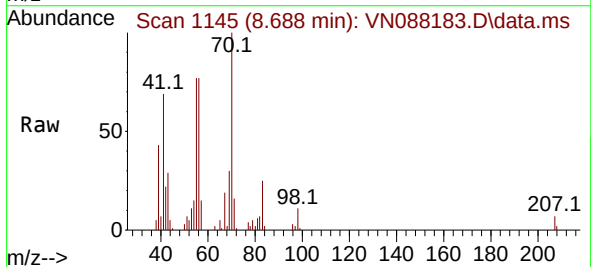
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

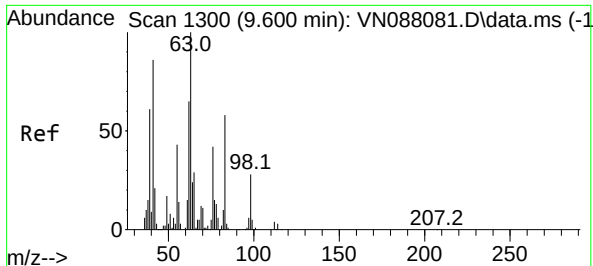
Tgt Ion:	41	Resp:	2061
Ion	Ratio	Lower	Upper
41	100		
39	69.3	45.4	68.0#
67	0.0	55.3	82.9#
52	0.0	24.5	36.7#



#43
Isopropyl Acetate
Concen: 1.106 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.018 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion:	43	Resp:	11096
Ion	Ratio	Lower	Upper
43	100		
61	0.0	18.8	28.2#
87	0.0	9.6	14.4#

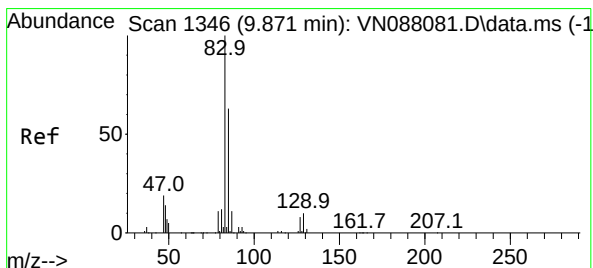
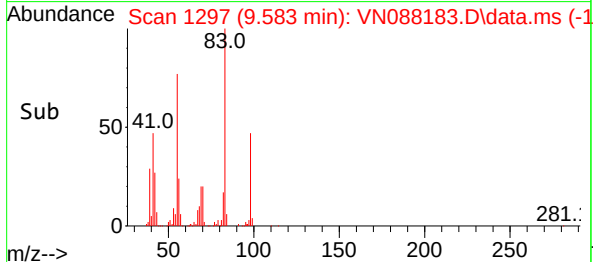
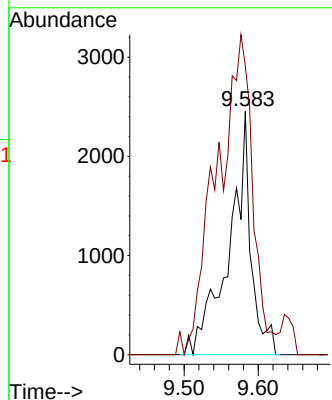
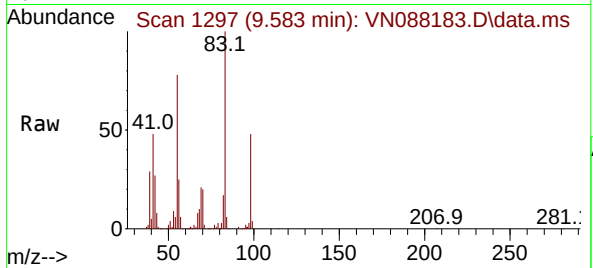




#45
1,2-Dichloropropane
Concen: 1.302 ug/l
RT: 9.583 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

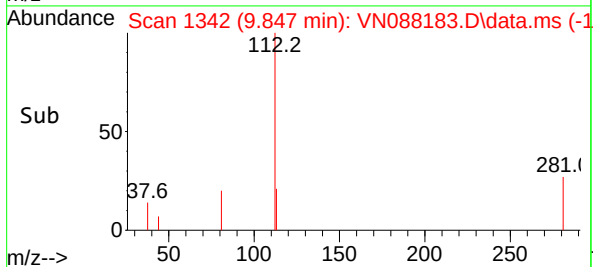
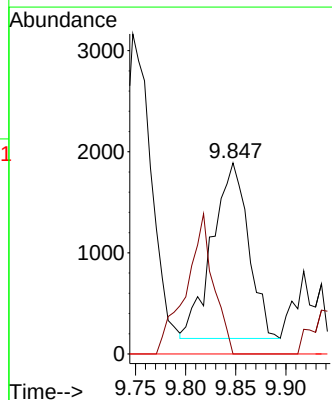
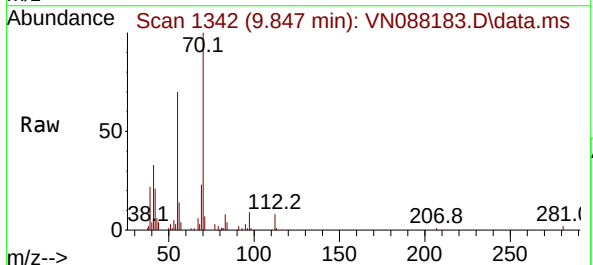
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

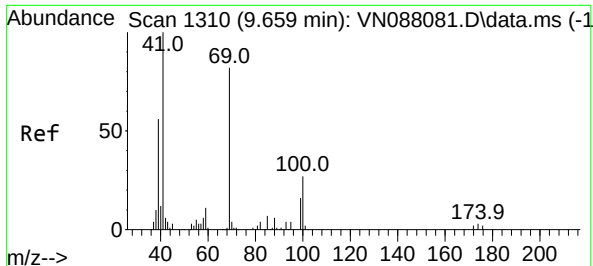
Tgt Ion: 63 Resp: 5063
Ion Ratio Lower Upper
63 100
65 109.5 25.0 37.4#



#47
Bromodichloromethane
Concen: 0.784 ug/l
RT: 9.847 min Scan# 1342
Delta R.T. -0.024 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 83 Resp: 4355
Ion Ratio Lower Upper
83 100
85 0.0 52.5 78.7#
127 0.0 5.8 8.6#

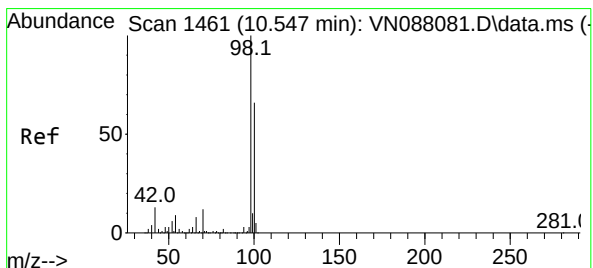
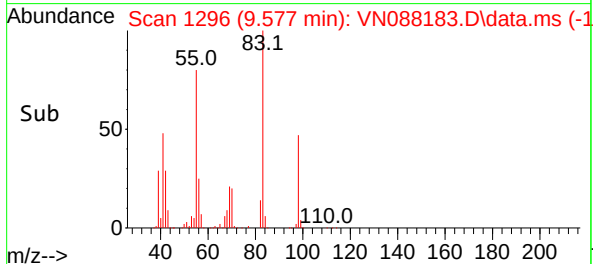
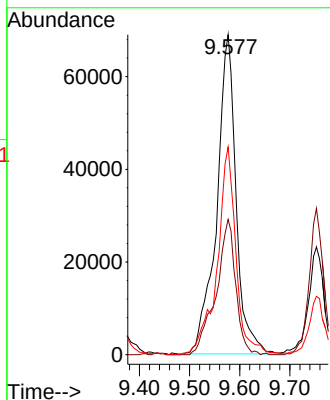
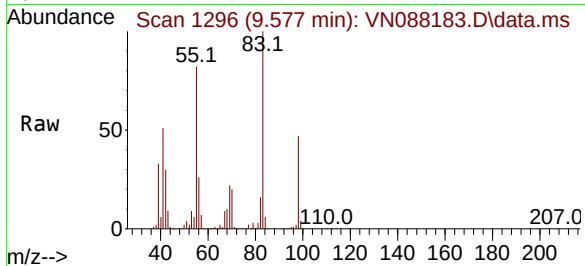




#48
Methyl methacrylate
Concen: 40.102 ug/l
RT: 9.577 min Scan# 11
Delta R.T. -0.088 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

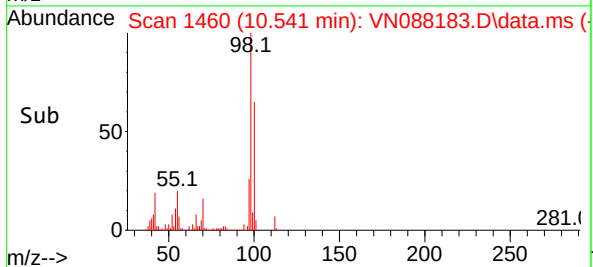
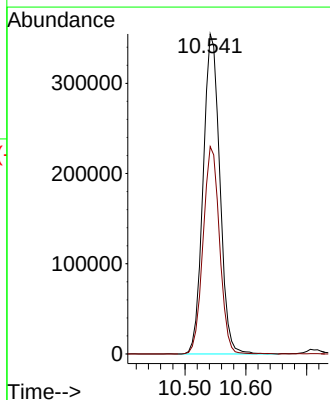
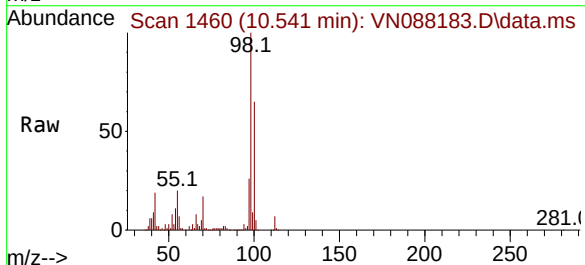
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

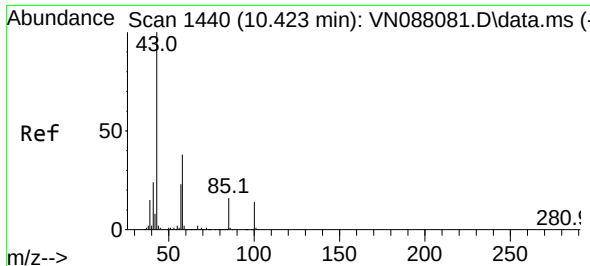
Tgt Ion: 41 Resp: 185725
Ion Ratio Lower Upper
41 100
69 42.9 62.7 94.1#
39 62.9 52.9 79.3



#50
Toluene-d8
Concen: 50.514 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 98 Resp: 674351
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2

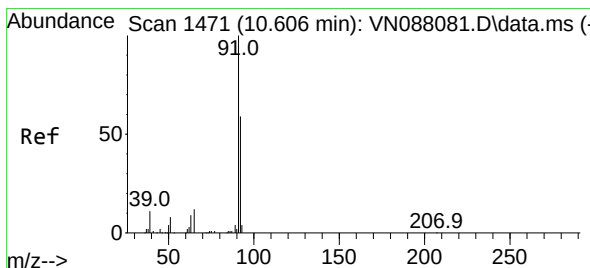
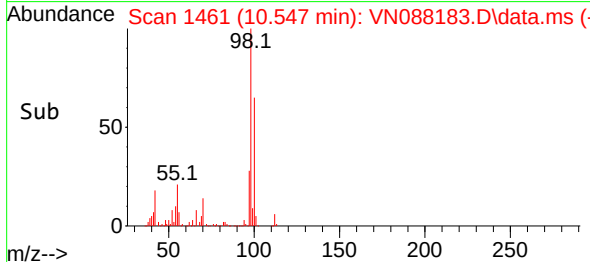
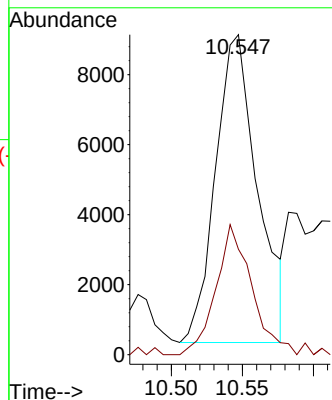
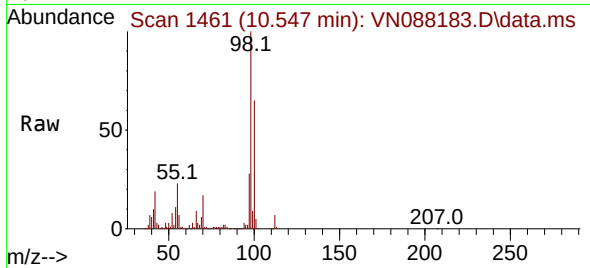




#51
4-Methyl-2-Pentanone
Concen: 3.049 ug/l
RT: 10.547 min Scan# 1440
Delta R.T. 0.124 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

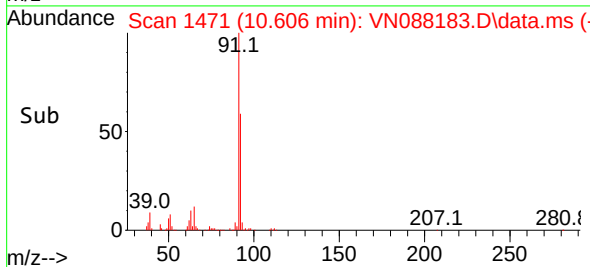
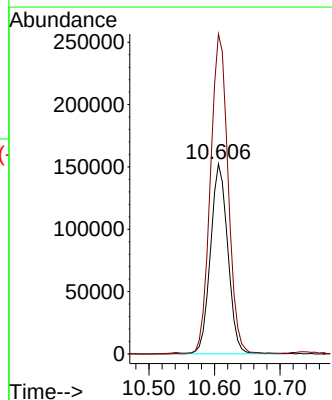
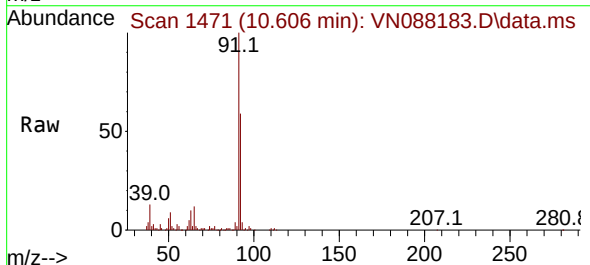
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

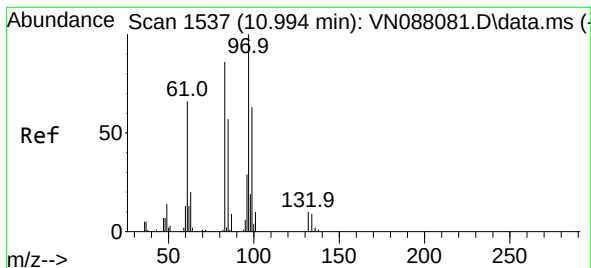
Tgt Ion: 43 Resp: 18094
Ion Ratio Lower Upper
43 100
58 35.9 29.6 44.4



#52
Toluene
Concen: 29.237 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

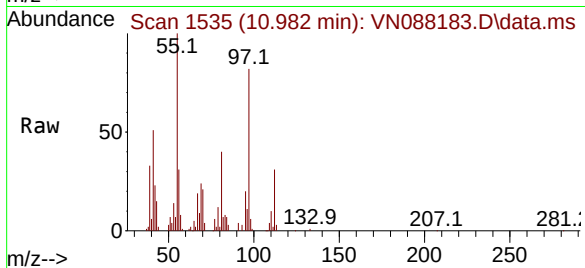
Tgt Ion: 92 Resp: 277707
Ion Ratio Lower Upper
92 100
91 171.9 140.4 210.6



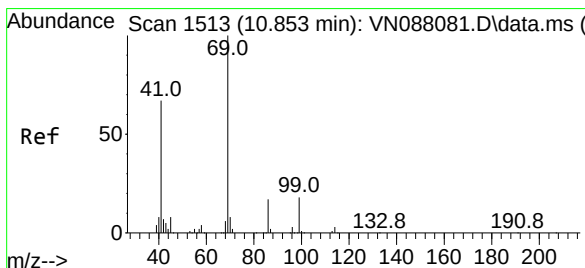
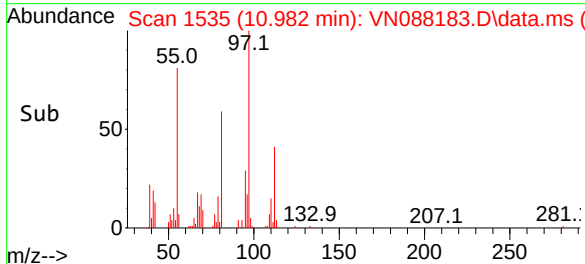
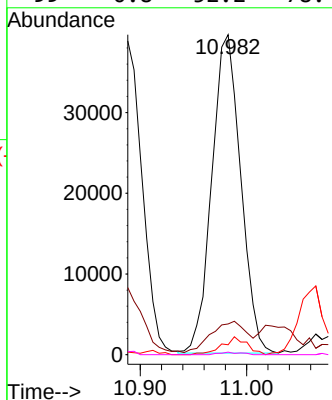


#55
1,1,2-Trichloroethane
Concen: 20.616 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. -0.012 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

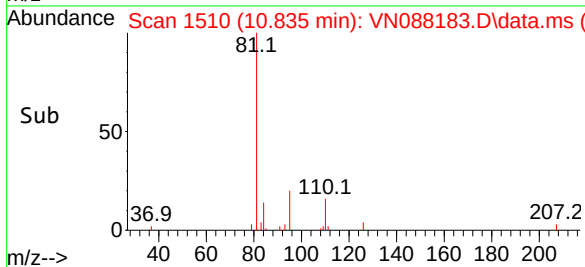
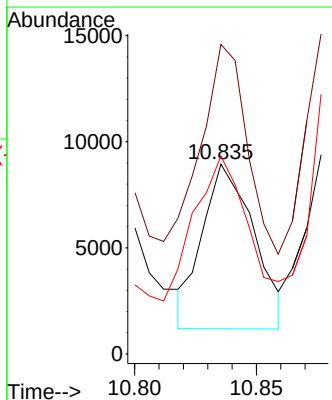
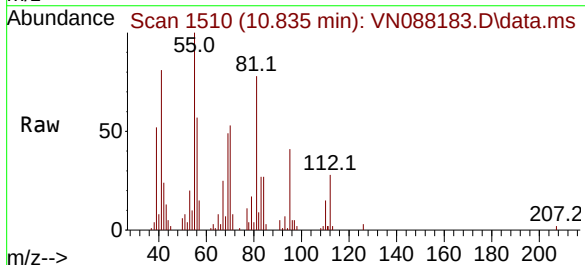


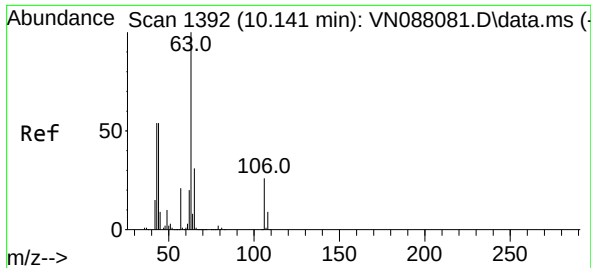
Tgt Ion: 97 Resp: 74291
Ion Ratio Lower Upper
97 100
83 8.5 68.2 102.4#
85 3.1 45.5 68.3#
99 0.8 52.2 78.4#



#56
Ethyl methacrylate
Concen: 2.013 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.018 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 69 Resp: 11478
Ion Ratio Lower Upper
69 100
41 131.7 56.5 84.7#
39 90.5 34.2 51.4#

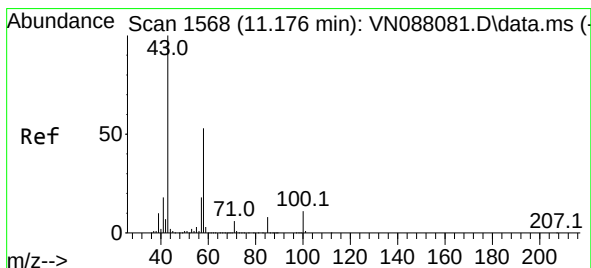
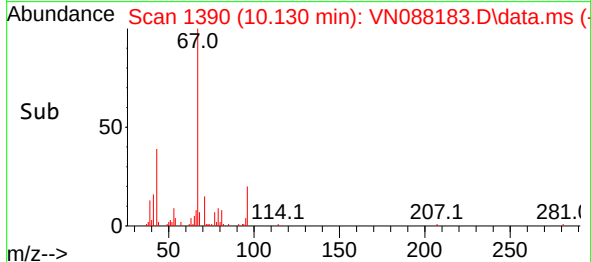
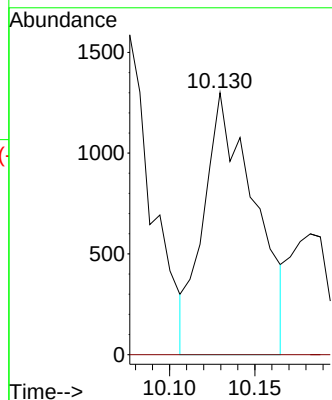
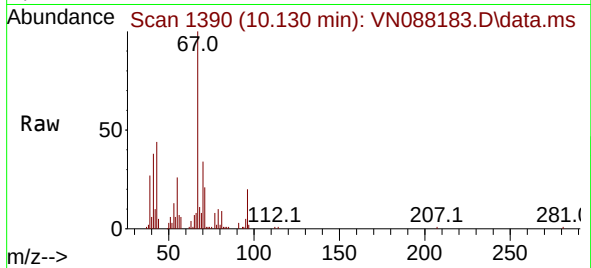




#58
2-Chloroethyl Vinyl ether
Concen: 0.913 ug/l
RT: 10.130 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

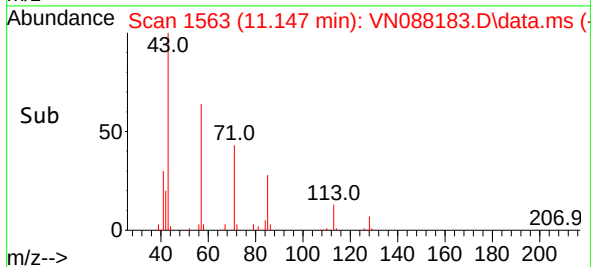
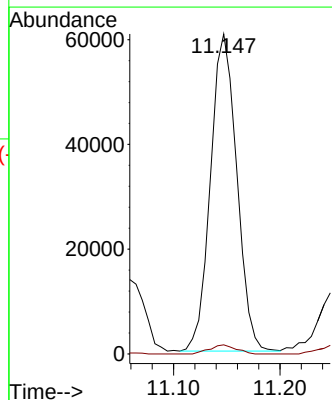
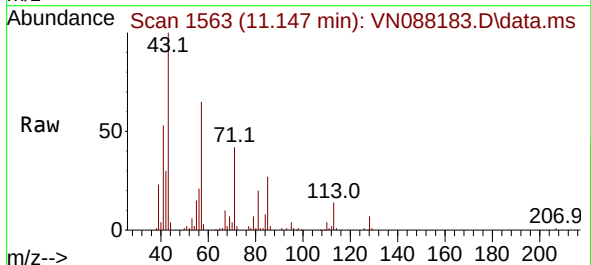
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

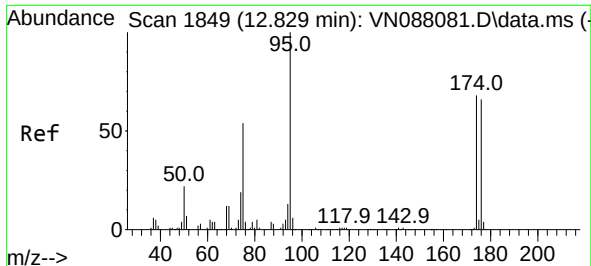
Tgt Ion: 63 Resp: 2708
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#59
2-Hexanone
Concen: 26.384 ug/l
RT: 11.147 min Scan# 1563
Delta R.T. -0.029 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 43 Resp: 103868
Ion Ratio Lower Upper
43 100
58 2.9 25.9 77.8#

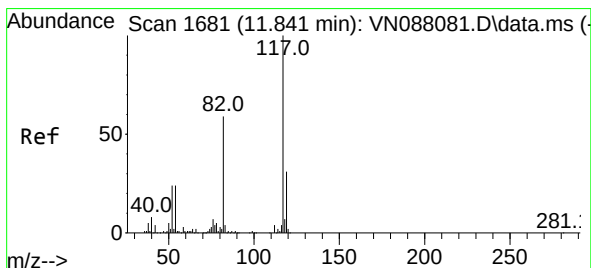
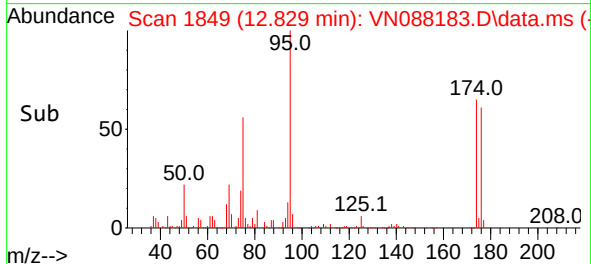
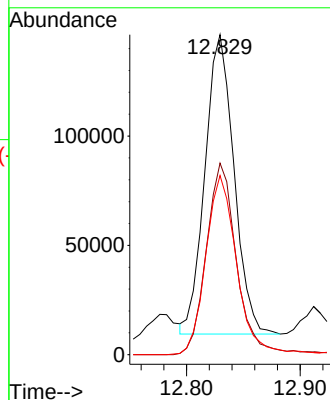
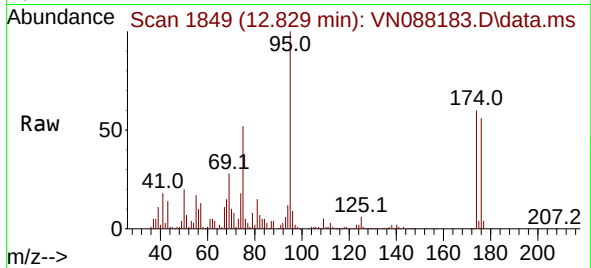




#62
4-Bromofluorobenzene
Concen: 51.617 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

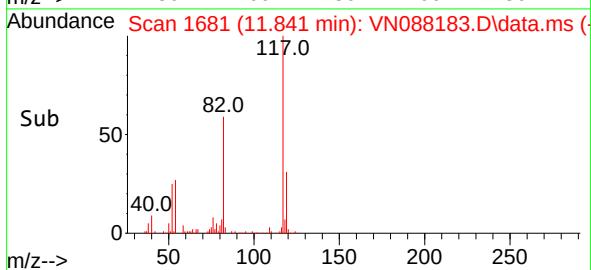
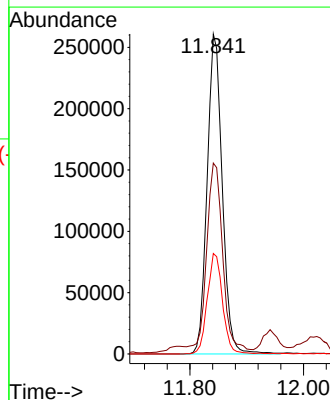
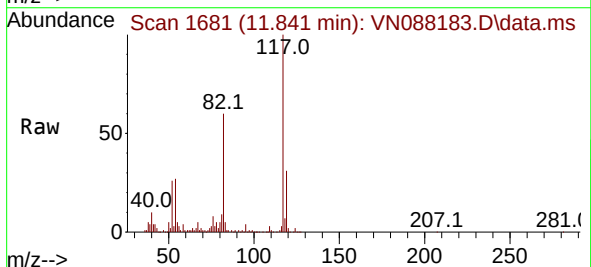
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

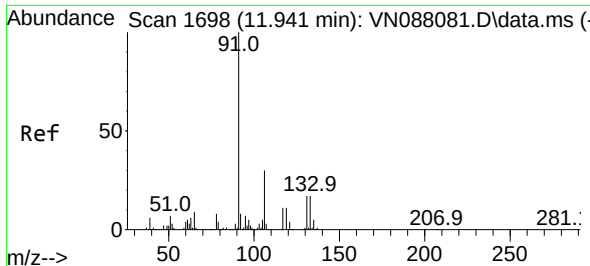
Tgt Ion: 95 Resp: 243353
Ion Ratio Lower Upper
95 100
174 67.3 0.0 138.4
176 63.9 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 117 Resp: 480366
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.4 24.3 36.5

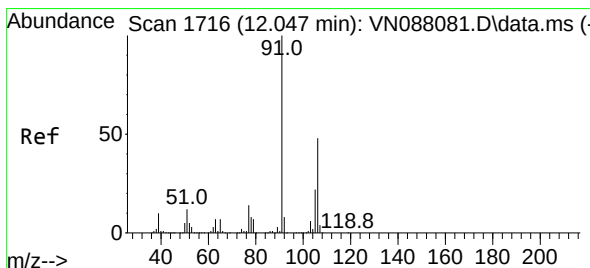
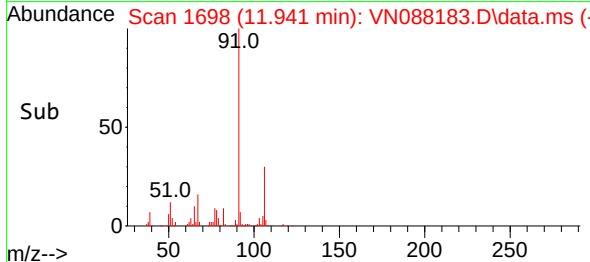
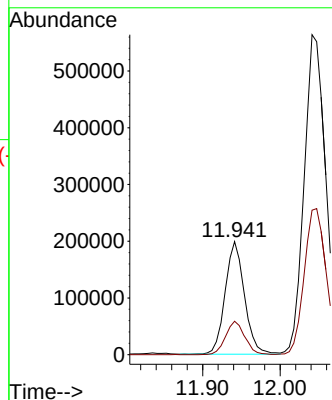
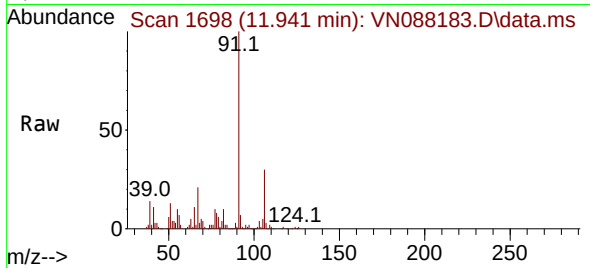




#67
Ethyl Benzene
Concen: 18.009 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

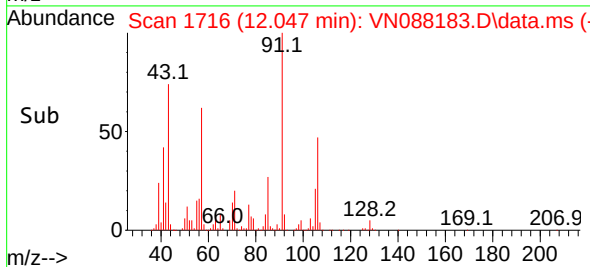
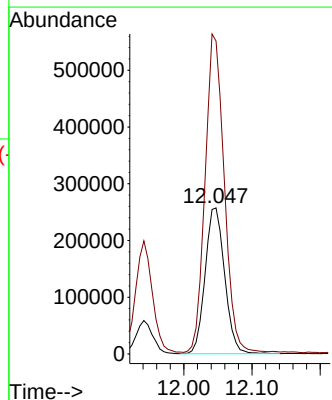
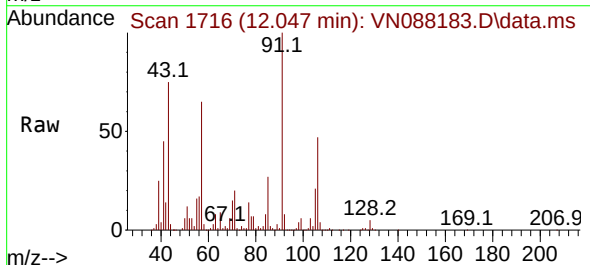
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

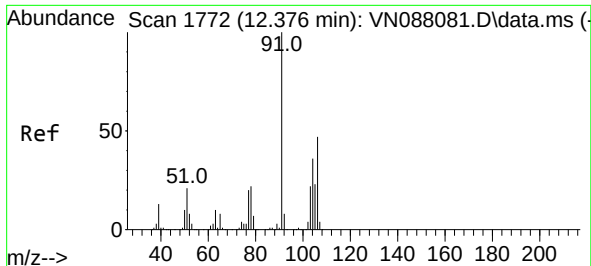
Tgt Ion: 91 Resp: 344808
Ion Ratio Lower Upper
91 100
106 29.7 24.1 36.1



#68
m/p-Xylenes
Concen: 71.376 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion:106 Resp: 512034
Ion Ratio Lower Upper
106 100
91 213.3 169.3 253.9

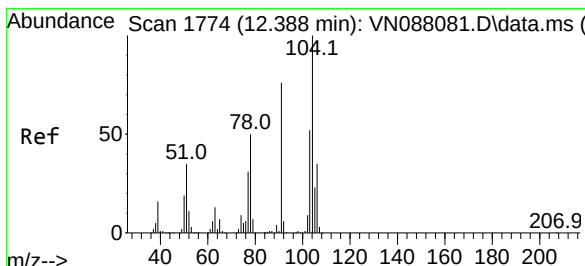
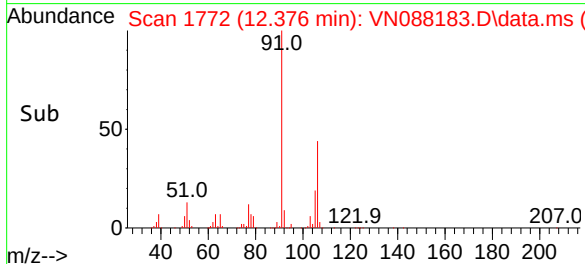
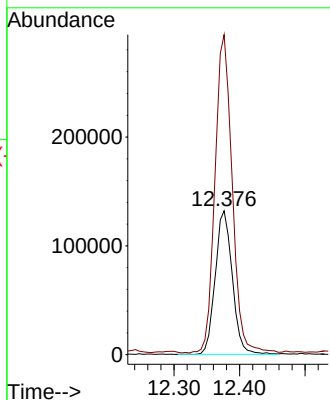
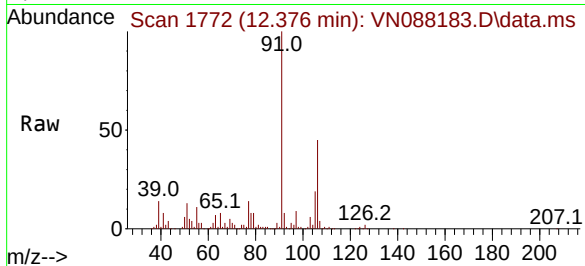




#69
o-Xylene
Concen: 35.003 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

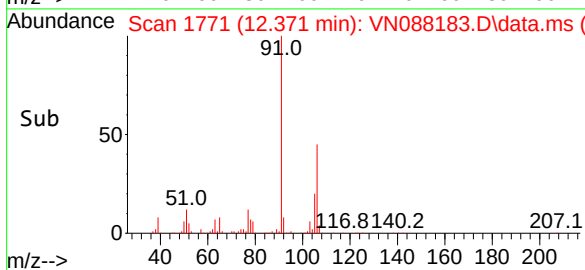
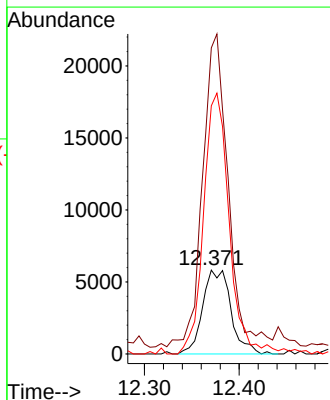
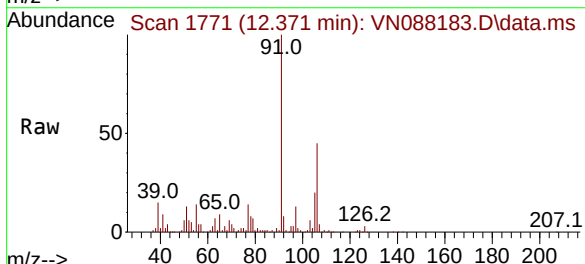
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

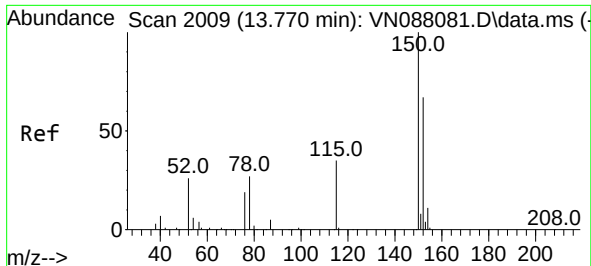
Tgt Ion:106 Resp: 238036
Ion Ratio Lower Upper
106 100
91 222.9 111.4 334.2



#70
Styrene
Concen: 1.091 ug/l
RT: 12.371 min Scan# 1771
Delta R.T. -0.018 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion:104 Resp: 12103
Ion Ratio Lower Upper
104 100
78 336.2 42.2 63.2#
103 279.4 43.4 65.2#

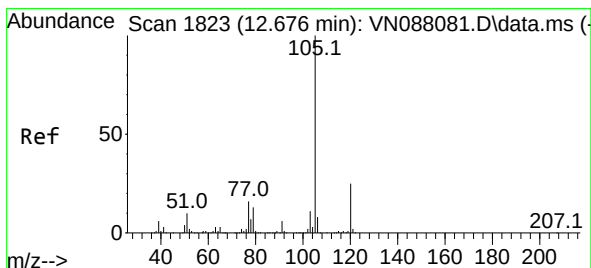
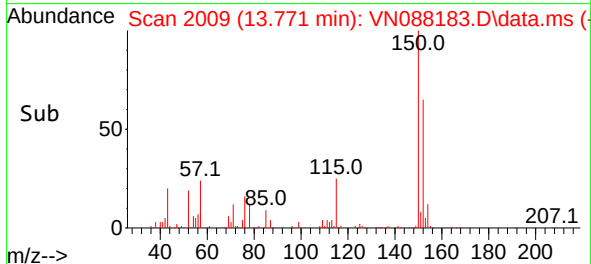
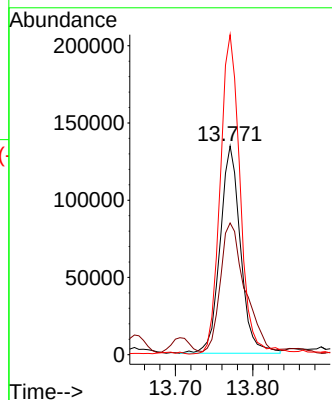
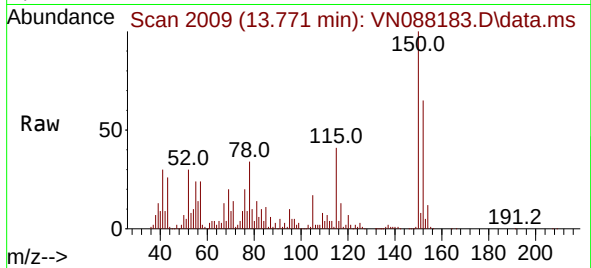




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.771 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088183.D
 Acq: 31 Oct 2025 13:19

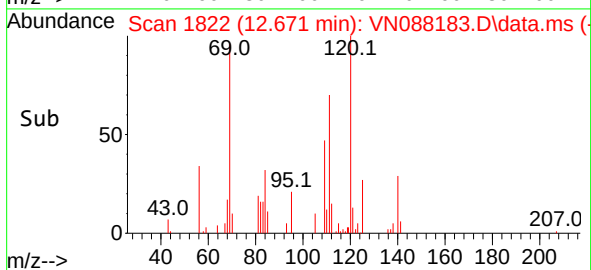
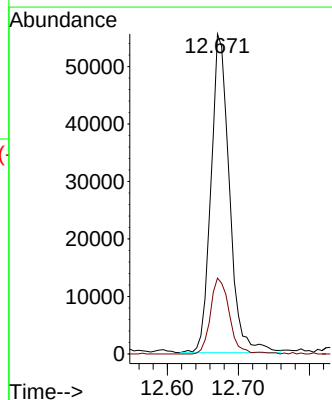
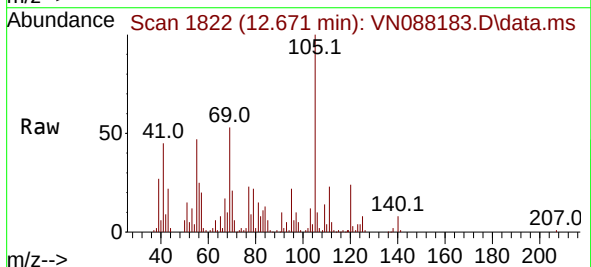
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW1-251023-01

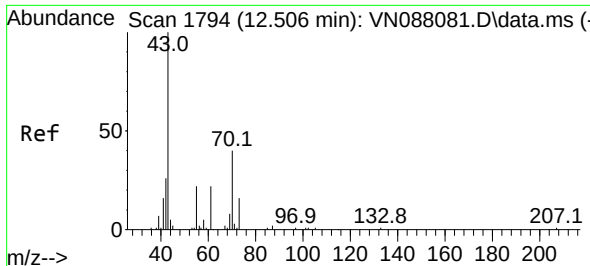
Tgt Ion:152 Resp: 245335
 Ion Ratio Lower Upper
 152 100
 115 74.2 32.3 96.8
 150 151.0 0.0 351.0



#73
 Isopropylbenzene
 Concen: 5.293 ug/l
 RT: 12.671 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: VN088183.D
 Acq: 31 Oct 2025 13:19

Tgt Ion:105 Resp: 100155
 Ion Ratio Lower Upper
 105 100
 120 24.0 12.8 38.3

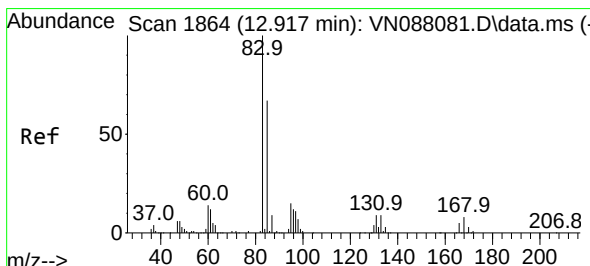
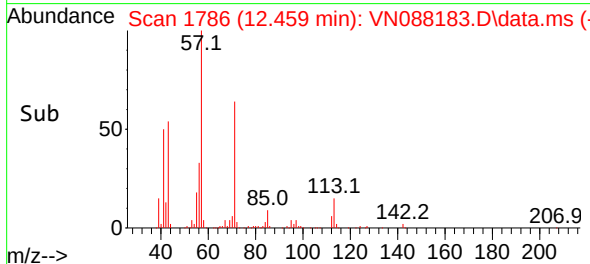
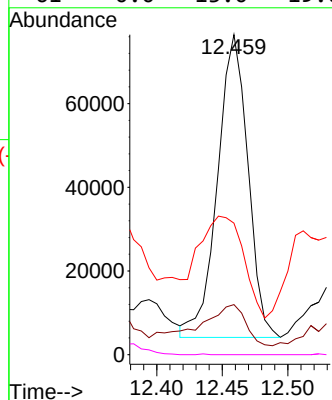
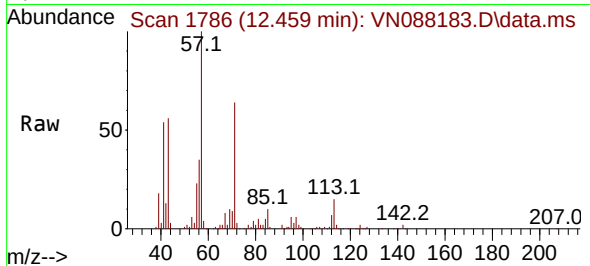




#74
N-amy1 acetate
Concen: 21.716 ug/l
RT: 12.459 min Scan# 11
Delta R.T. -0.041 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

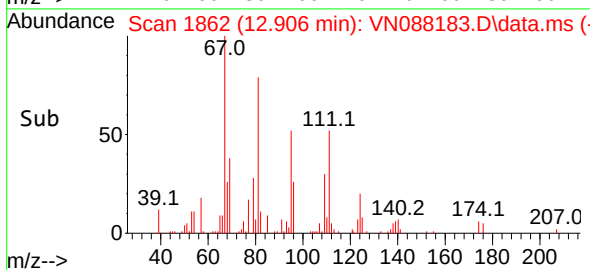
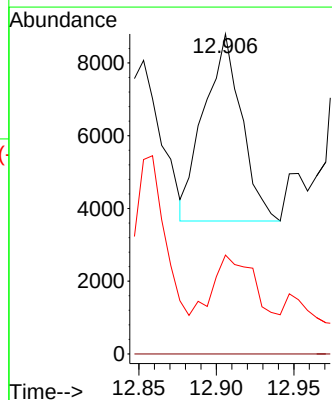
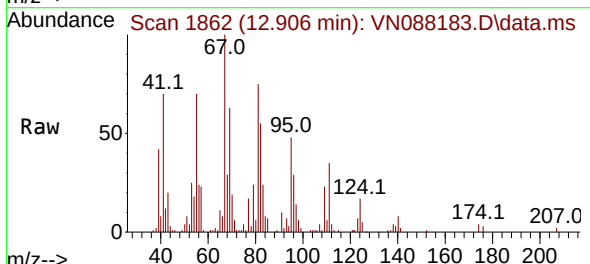
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

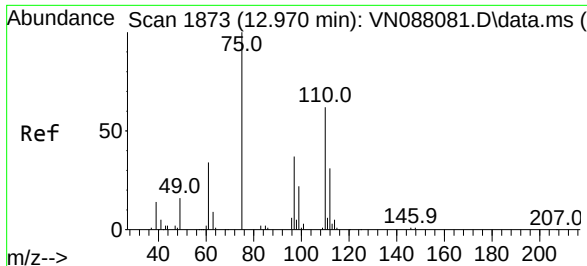
Tgt Ion:	43	Resp:	116648
Ion Ratio	Lower	Upper	
43	100		
70	19.9	27.6	41.4#
55	50.8	13.0	19.6#
61	0.0	13.0	19.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.465 ug/l
RT: 12.906 min Scan# 1862
Delta R.T. -0.012 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion:	83	Resp:	8628
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.8	14.4#
85	0.0	32.1	96.3#

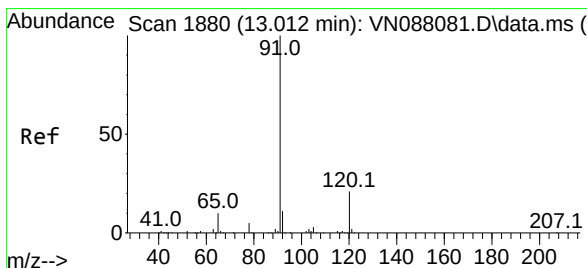
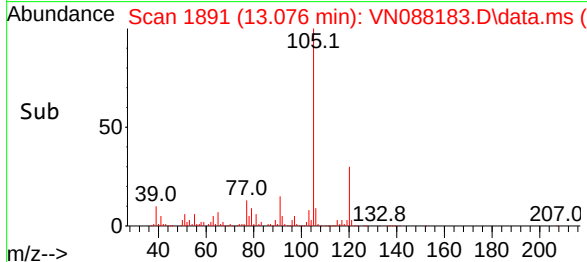
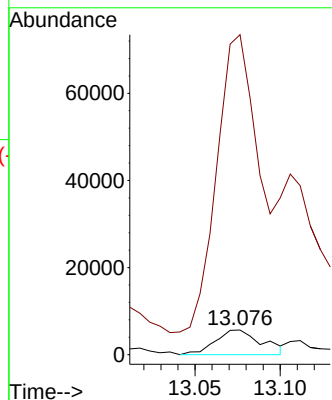
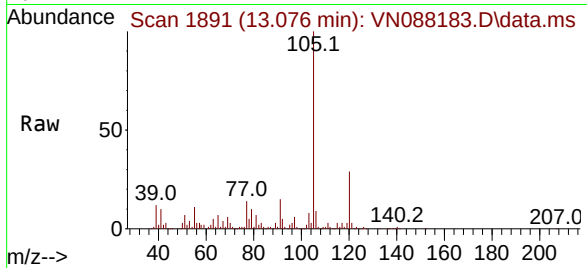




#76
1,2,3-Trichloropropane
Concen: 1.911 ug/l
RT: 13.076 min Scan# 1891
Delta R.T. 0.106 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

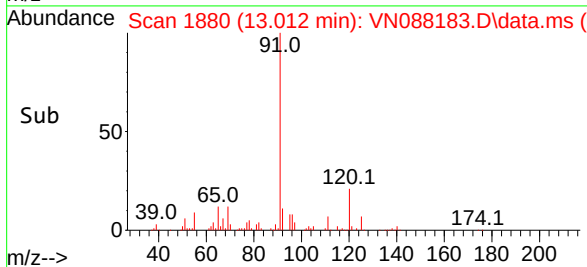
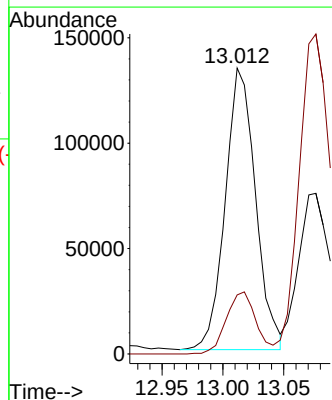
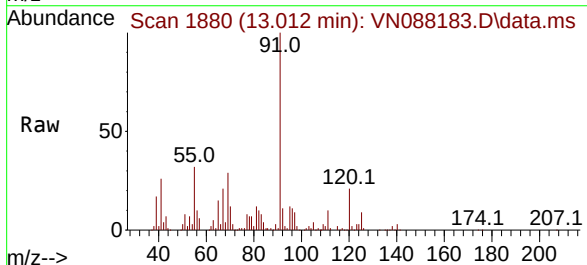
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

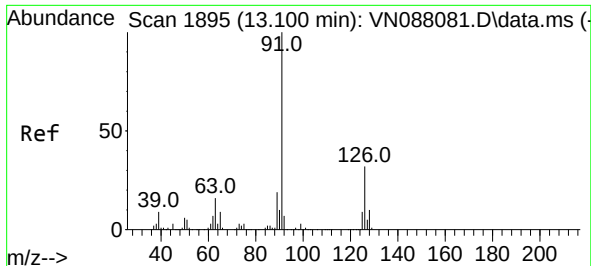
Tgt Ion: 75 Resp: 10718
Ion Ratio Lower Upper
75 100
77 1087.3 89.1 267.4#



#78
n-propylbenzene
Concen: 10.024 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 91 Resp: 231471
Ion Ratio Lower Upper
91 100
120 21.6 10.7 32.1

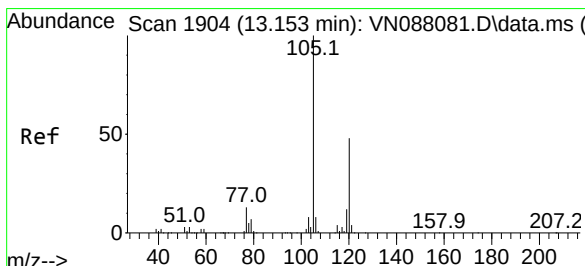
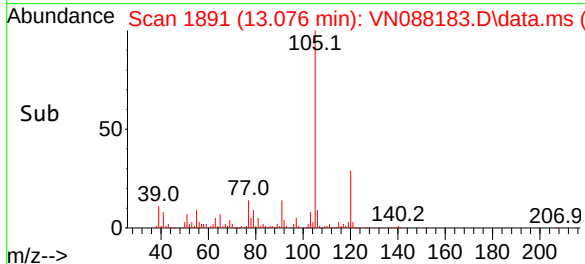
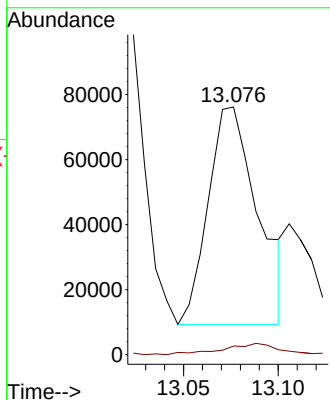
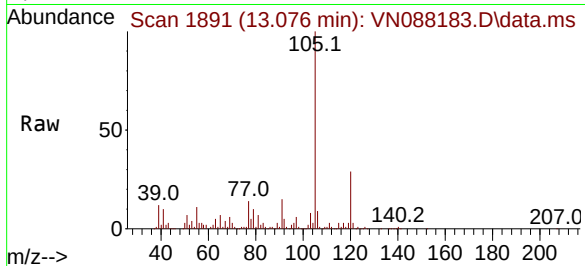




#79
2-Chlorotoluene
Concen: 9.223 ug/l
RT: 13.076 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

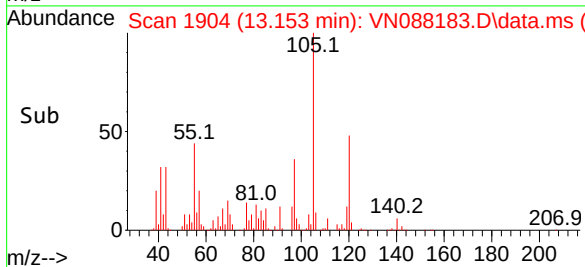
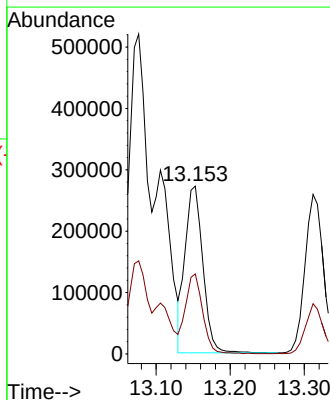
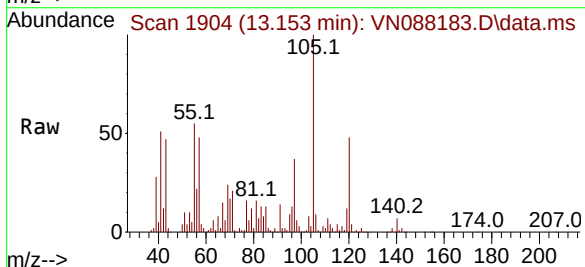
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

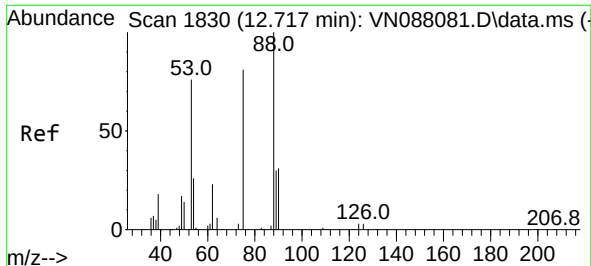
Tgt Ion: 91 Resp: 121454
Ion Ratio Lower Upper
91 100
126 5.8 16.1 48.3#



#80
1,3,5-Trimethylbenzene
Concen: 28.885 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 105 Resp: 453919
Ion Ratio Lower Upper
105 100
120 46.1 23.2 69.6

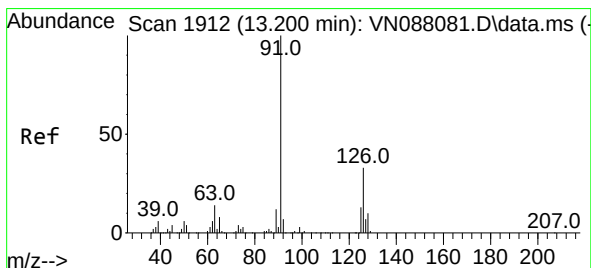
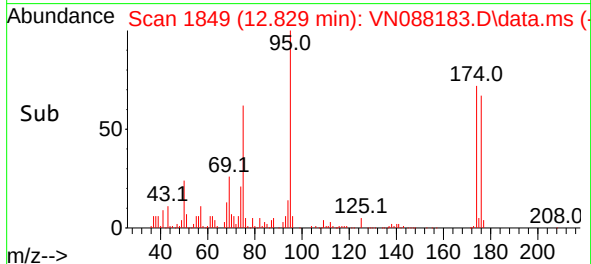
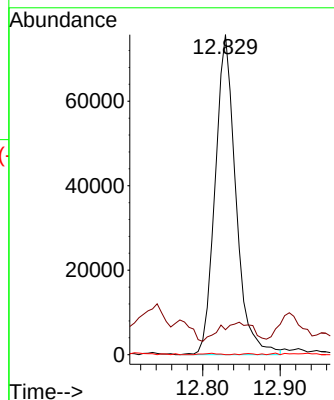
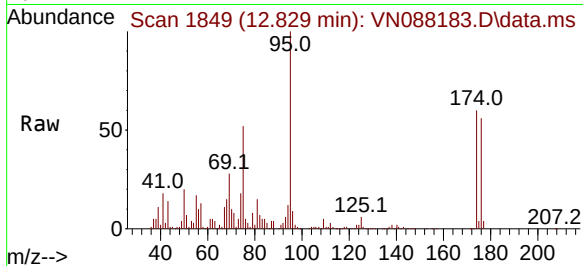




#81
trans-1,4-Dichloro-2-butene
Concen: 69.862 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

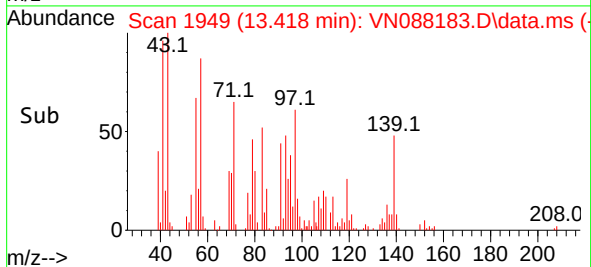
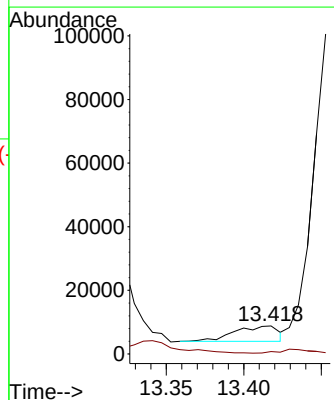
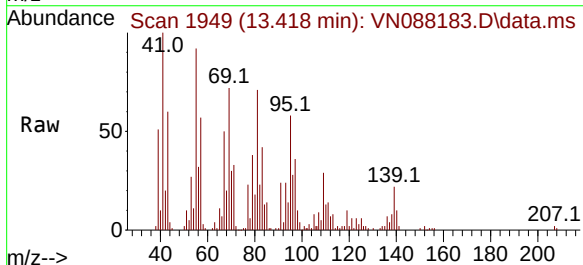
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

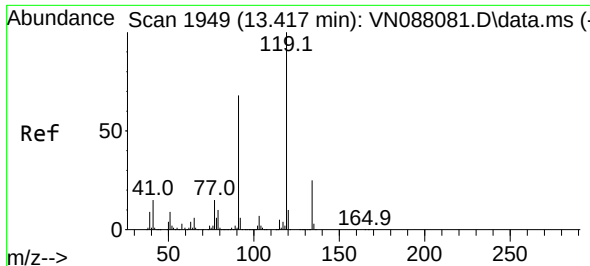
Tgt Ion: 75 Resp: 140477
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.3 35.6 53.4#



#82
4-Chlorotoluene
Concen: 0.661 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.218 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 91 Resp: 9421
Ion Ratio Lower Upper
91 100
126 18.4 15.6 46.8

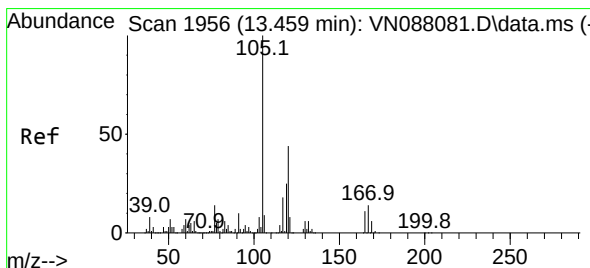
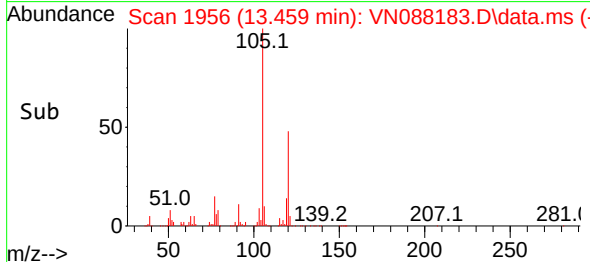
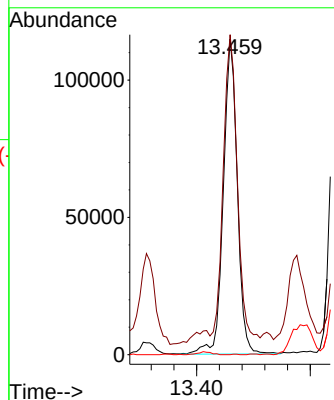
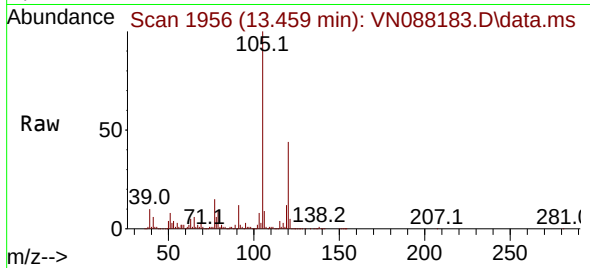




#83
 tert-Butylbenzene
 Concen: 14.026 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. 0.041 min
 Lab File: VN088183.D
 Acq: 31 Oct 2025 13:19

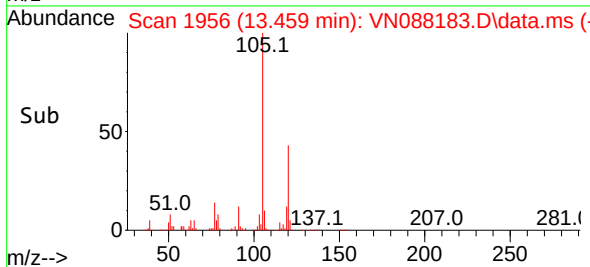
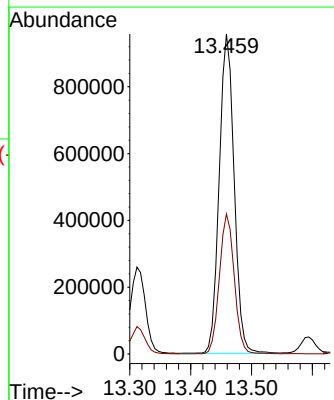
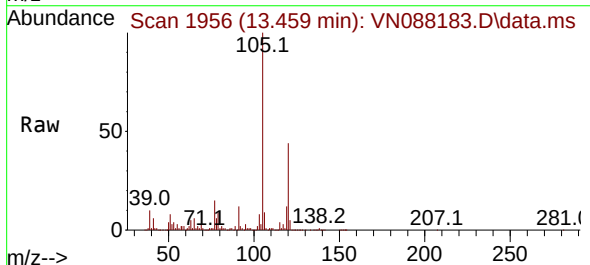
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW1-251023-01

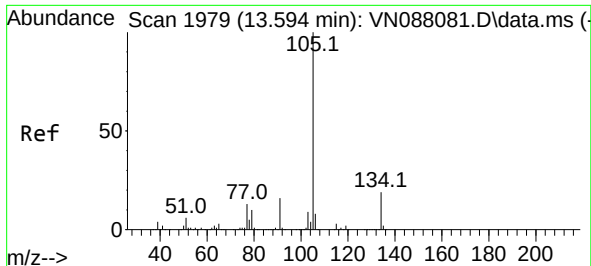
Tgt Ion:119 Resp: 196892
 Ion Ratio Lower Upper
 119 100
 91 94.2 35.0 105.0
 134 0.0 12.6 37.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 103.270 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. 0.000 min
 Lab File: VN088183.D
 Acq: 31 Oct 2025 13:19

Tgt Ion:105 Resp: 1623716
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.0 66.0

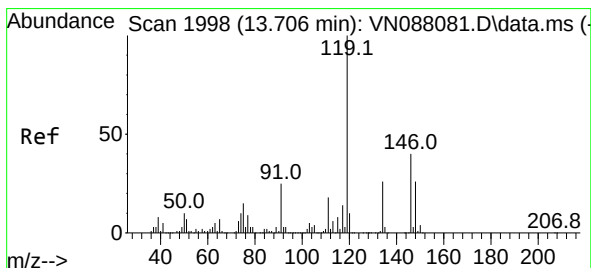
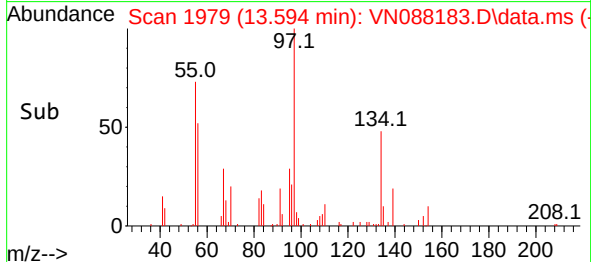
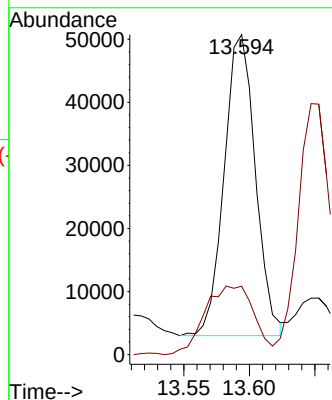
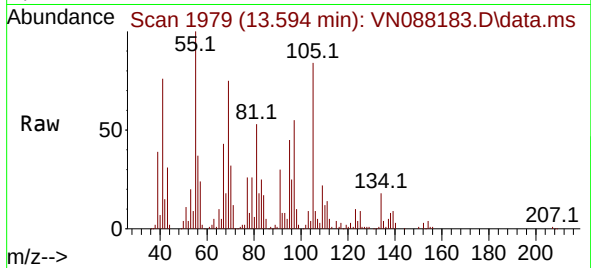




#85
sec-Butylbenzene
Concen: 3.826 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

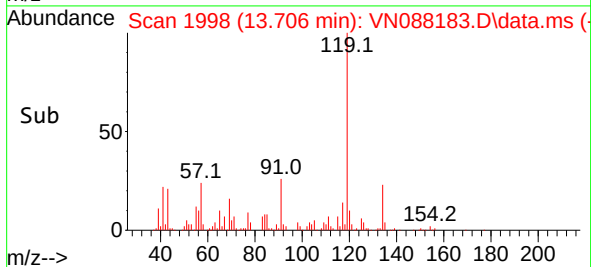
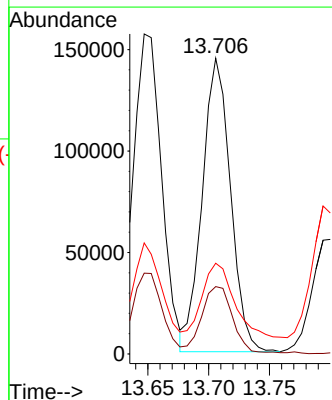
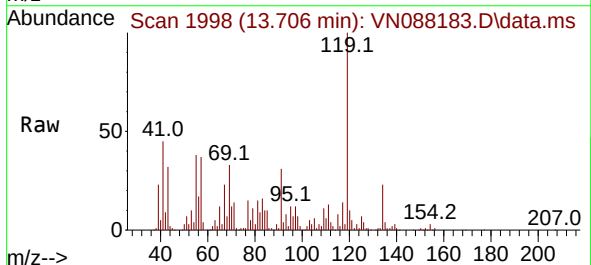
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

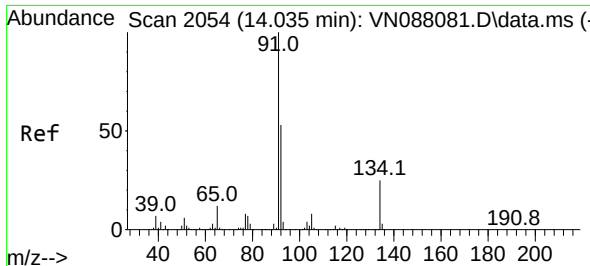
Tgt Ion:105 Resp: 78904
Ion Ratio Lower Upper
105 100
134 35.9 9.6 28.6#



#86
p-Isopropyltoluene
Concen: 14.108 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion:119 Resp: 233418
Ion Ratio Lower Upper
119 100
134 25.6 12.7 38.0
91 28.6 12.5 37.5

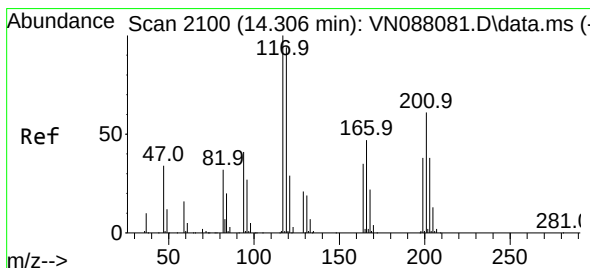
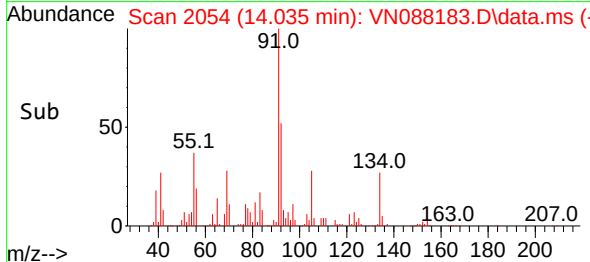
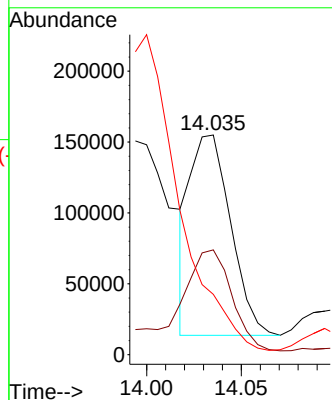
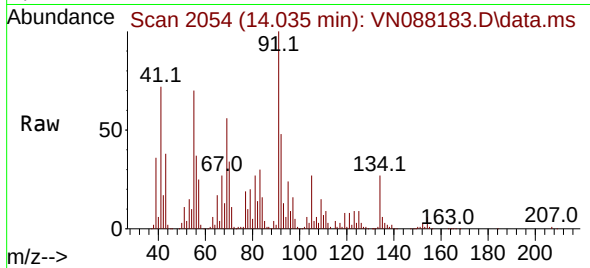




#89
n-Butylbenzene
Concen: 12.850 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

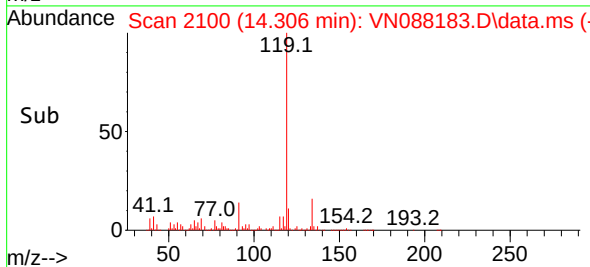
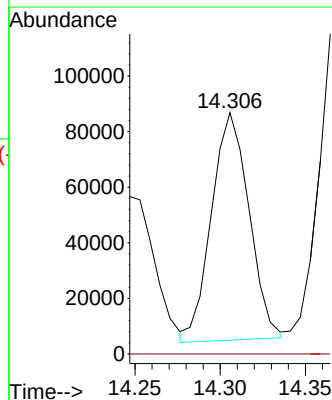
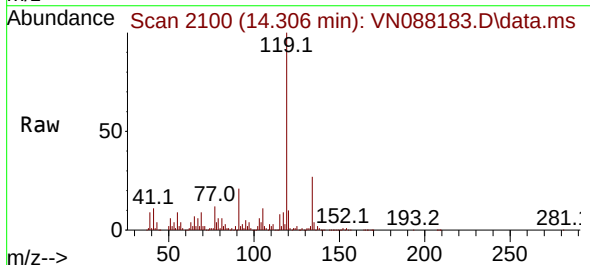
Instrument :
MSVOA_N
ClientSampleId :
P001-TW1-251023-01

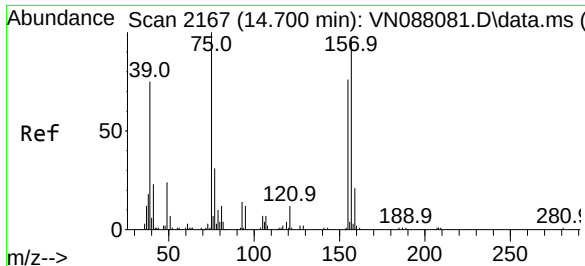
Tgt Ion: 91 Resp: 210593
Ion Ratio Lower Upper
91 100
92 67.5 25.9 77.8
134 0.0 11.7 35.0#



#90
Hexachloroethane
Concen: 39.177 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088183.D
Acq: 31 Oct 2025 13:19

Tgt Ion: 117 Resp: 125524
Ion Ratio Lower Upper
117 100
201 0.0 29.1 87.4#

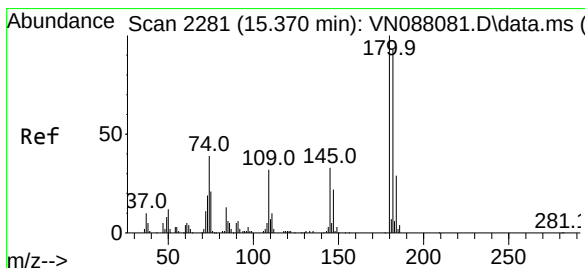
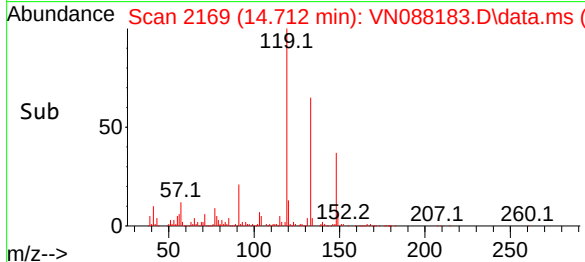
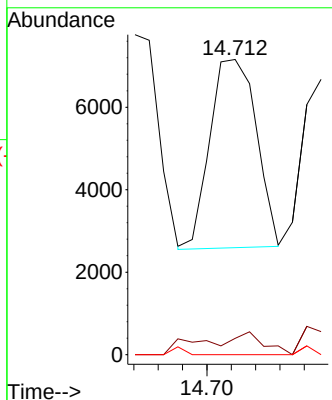
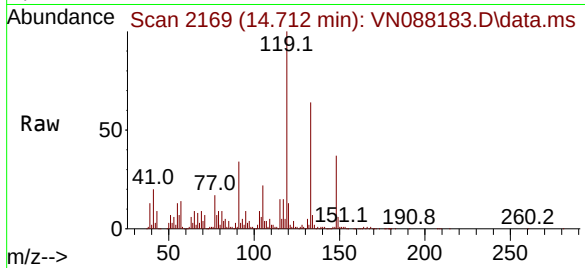




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.416 ug/l
 RT: 14.712 min Scan# 2169
 Delta R.T. 0.012 min
 Lab File: VN088183.D
 Acq: 31 Oct 2025 13:19

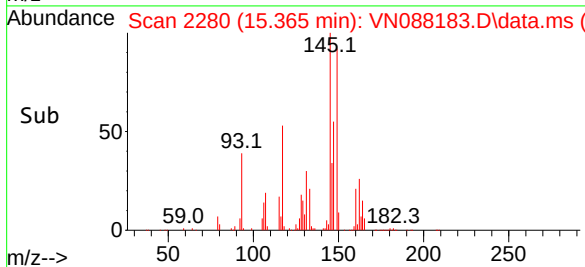
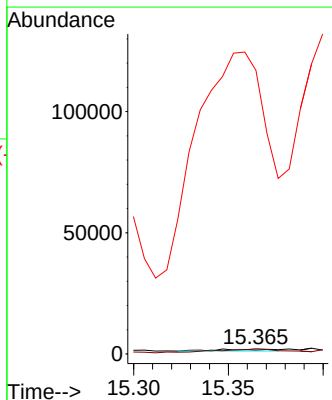
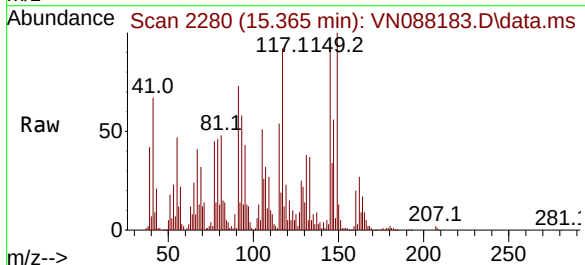
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW1-251023-01

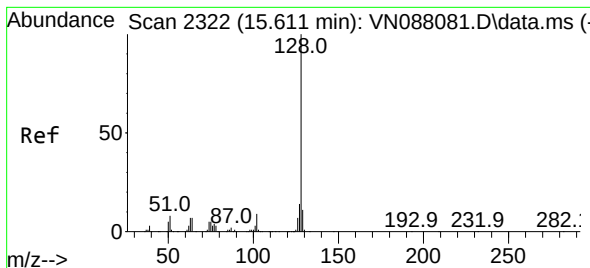
Tgt Ion: 75 Resp: 6055
 Ion Ratio Lower Upper
 75 100
 155 8.0 36.6 109.9#
 157 0.0 45.6 136.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.364 ug/l
 RT: 15.365 min Scan# 2280
 Delta R.T. 0.000 min
 Lab File: VN088183.D
 Acq: 31 Oct 2025 13:19

Tgt Ion: 180 Resp: 1729
 Ion Ratio Lower Upper
 180 100
 182 237.9 47.6 142.9#
 145 20146.7 16.5 49.5#





#95

Naphthalene

Concen: 676.303 ug/l

RT: 15.612 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN088183.D

Acq: 31 Oct 2025 13:19

Instrument :

MSVOA_N

ClientSampleId :

P001-TW1-251023-01

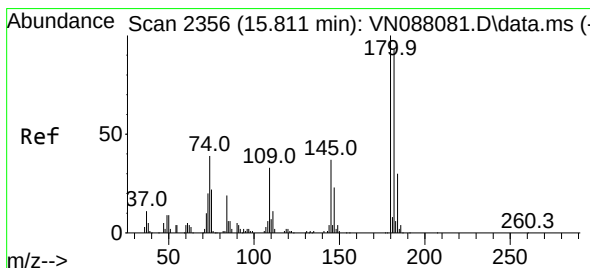
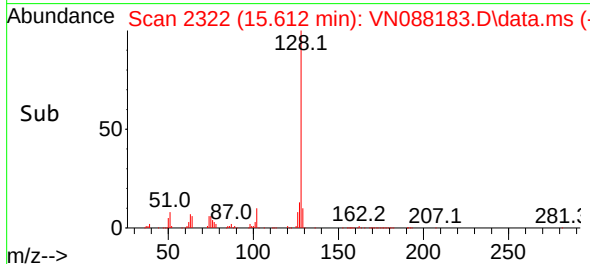
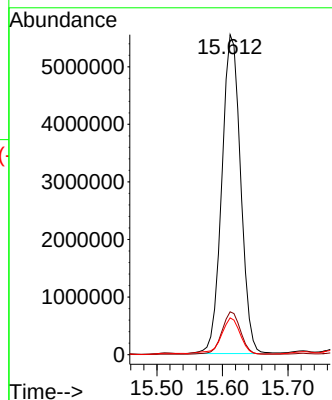
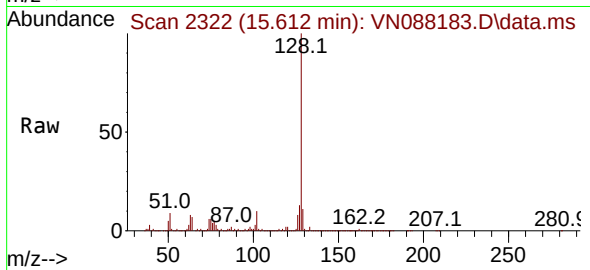
Tgt Ion:128 Resp:11017146

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

129 11.9 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 1.135 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. 0.024 min

Lab File: VN088183.D

Acq: 31 Oct 2025 13:19

Tgt Ion:180 Resp: 5174

Ion Ratio Lower Upper

180 100

182 0.0 46.8 140.3#

145 0.0 17.3 52.0#

