

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088186.D
 Acq On : 31 Oct 2025 14:21
 Operator : JC\MD
 Sample : Q3447-07
 Misc : 3.22g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW4-251023-01

Quant Time: Nov 01 00:33:41 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	273190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	616897	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	566365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	278512	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	289955	61.379	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 122.760%	
35) Dibromofluoromethane	8.141	113	206260	49.769	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.540%	
50) Toluene-d8	10.541	98	797025	49.911	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.820%	
62) 4-Bromofluorobenzene	12.829	95	288155	51.095	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.180%	

Target Compounds				Qvalue		
3) Chloromethane	2.377	50	1698	0.468	ug/l #	86
10) Methyl Iodide	4.559	142	3897	5.324	ug/l #	85
11) Tert butyl alcohol	5.483	59	3914	4.809	ug/l #	71
14) Allyl chloride	5.006	41	2029	0.337	ug/l #	22
16) Acetone	4.436	43	232348	97.901	ug/l	99
18) Methyl Acetate	5.012	43	118600	24.410	ug/l	100
20) Methylene Chloride	5.253	84	3131	1.607	ug/l #	79
23) Vinyl Acetate	6.694	43	21819	1.914	ug/l #	72
25) 2-Butanone	7.489	43	21823	6.977	ug/l	96
31) Cyclohexane	8.206	56	9795	1.481	ug/l #	29
36) 1,1-Dichloropropene	8.194	75	26573	4.391	ug/l #	50
37) Ethyl Acetate	7.489	43	21823	2.795	ug/l #	72
38) Carbon Tetrachloride	8.194	117	34120	5.459	ug/l #	17
40) Benzene	8.577	78	10646	0.578	ug/l #	84
48) Methyl methacrylate	9.635	41	4938	0.891	ug/l #	14
51) 4-Methyl-2-Pentanone	10.435	43	4400	0.620	ug/l #	82
52) Toluene	10.606	92	347408	30.576	ug/l	98
54) cis-1,3-Dichloropropene	10.218	75	1646	0.219	ug/l #	60
55) 1,1,2-Trichloroethane	10.977	97	1481	0.344	ug/l #	27
67) Ethyl Benzene	11.941	91	467029	20.689	ug/l	99
68) m/p-Xylenes	12.041	106	47578	5.625	ug/l	92
69) o-Xylene	12.376	106	16907	2.109	ug/l	88
70) Styrene	12.394	104	6000	0.459	ug/l #	53
73) Isopropylbenzene	12.671	105	24632	1.147	ug/l	94
74) N-ethyl acetate	12.459	43	2631	0.431	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.929	83	3635	0.544	ug/l #	14
76) 1,2,3-Trichloropropane	13.112	75	5936	0.932	ug/l #	1
78) n-propylbenzene	13.018	91	50738	1.936	ug/l	95
79) 2-Chlorotoluene	13.182	91	6349	0.425	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.112	105	18406	1.032	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.829	75	167842	73.528	ug/l #	1
82) 4-Chlorotoluene	13.076	91	3626	0.224	ug/l	100
83) tert-Butylbenzene	13.647	119	401175	25.173	ug/l #	59
84) 1,2,4-Trimethylbenzene	13.459	105	47676	2.671	ug/l	99
85) sec-Butylbenzene	13.647	105	16684	0.713	ug/l #	1
86) p-Isopropyltoluene	13.706	119	700814	37.311	ug/l	97

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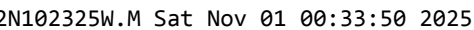
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

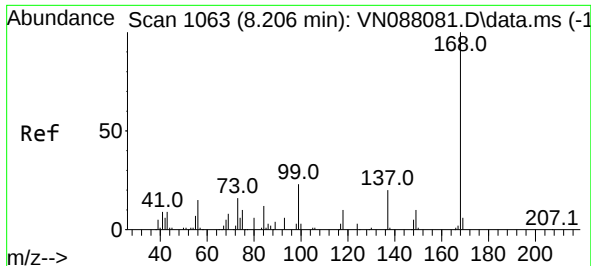
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	14.041	91	37523	2.017	ug/l	96
90) Hexachloroethane	14.300	117	9901	2.722	ug/l #	23
91) 1,2-Dichlorobenzene	14.076	146	4911	0.551	ug/l #	55
92) 1,2-Dibromo-3-Chloropr...	14.700	75	370	0.238	ug/l #	8
95) Naphthalene	15.611	128	367044	19.848	ug/l #	94

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

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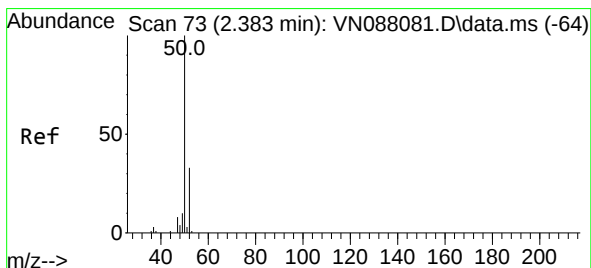
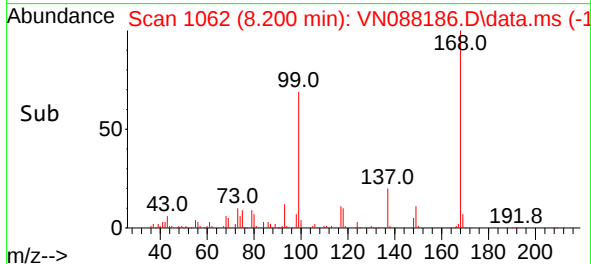
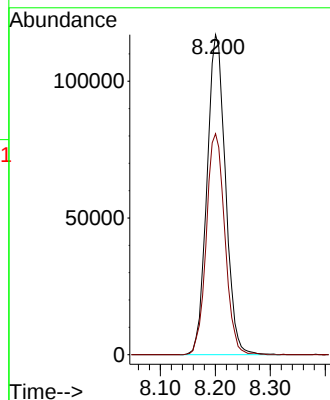
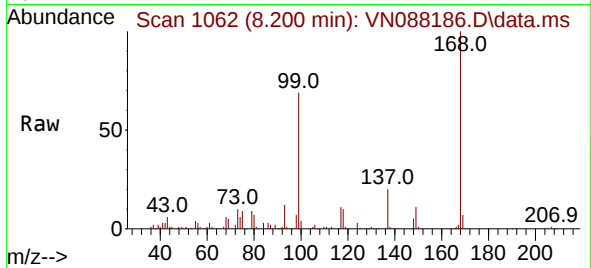




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

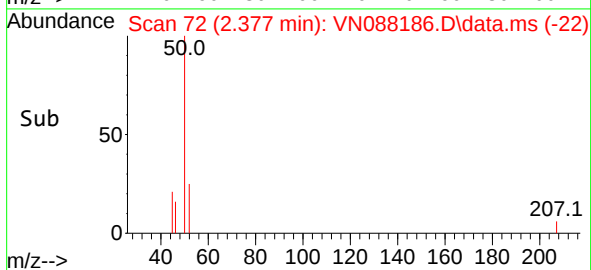
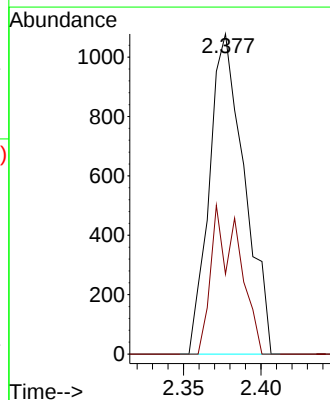
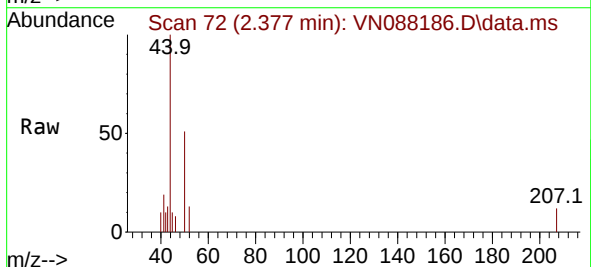
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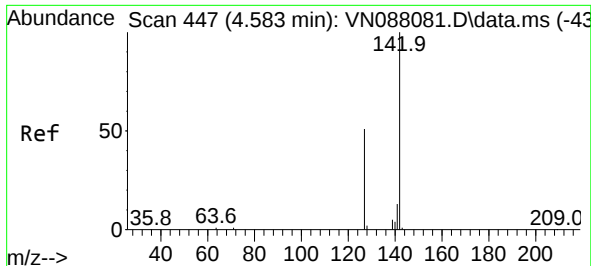
Tgt Ion:168 Resp: 273190
Ion Ratio Lower Upper
168 100
99 69.1 57.2 85.8



#3
Chloromethane
Concen: 0.468 ug/l
RT: 2.377 min Scan# 72
Delta R.T. -0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

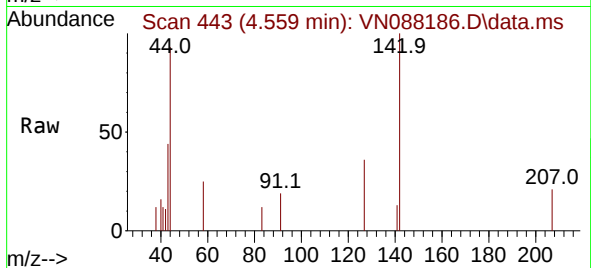
Tgt Ion: 50 Resp: 1698
Ion Ratio Lower Upper
50 100
52 25.0 26.2 39.4#



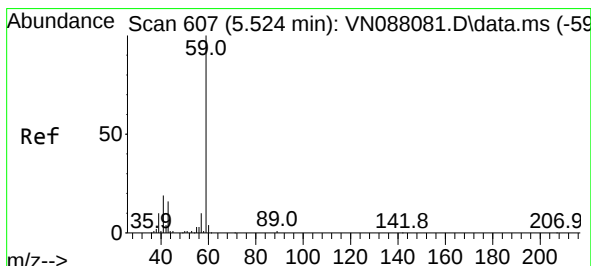
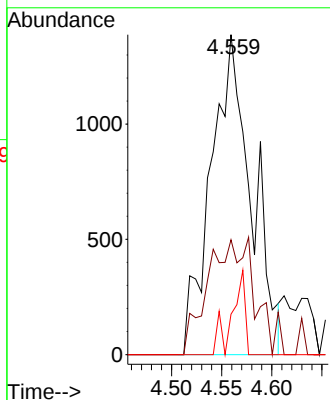
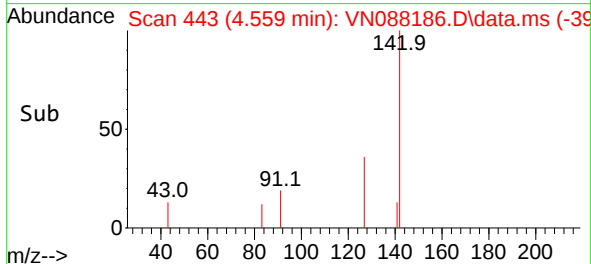


#10
Methyl Iodide
Concen: 5.324 ug/l
RT: 4.559 min Scan# 443
Delta R.T. -0.018 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

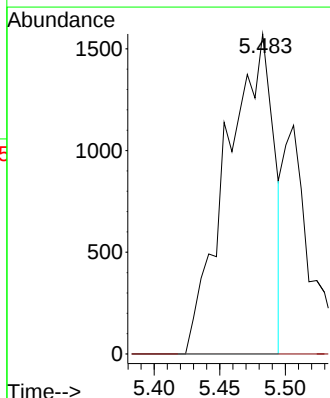
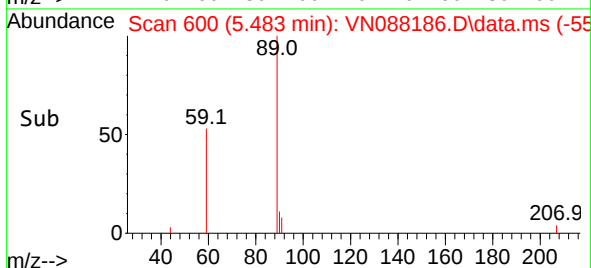
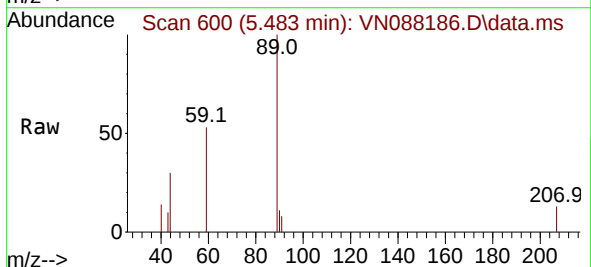


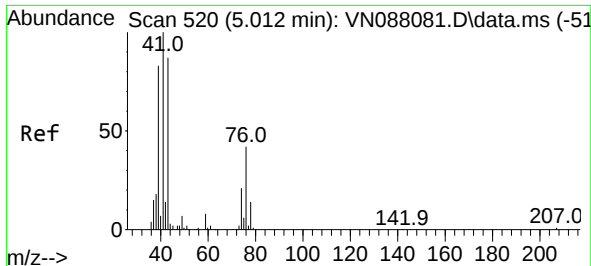
Tgt Ion:142 Resp: 3897
Ion Ratio Lower Upper
142 100
127 35.9 38.0 57.0#
141 12.6 12.0 18.0



#11
Tert butyl alcohol
Concen: 4.809 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.035 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 59 Resp: 3914
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

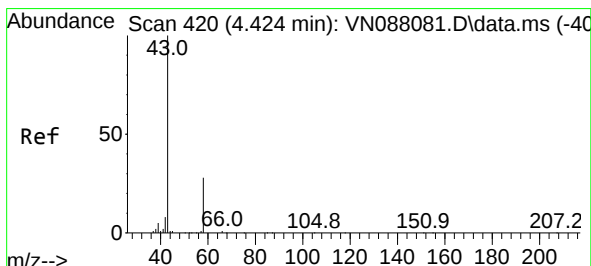
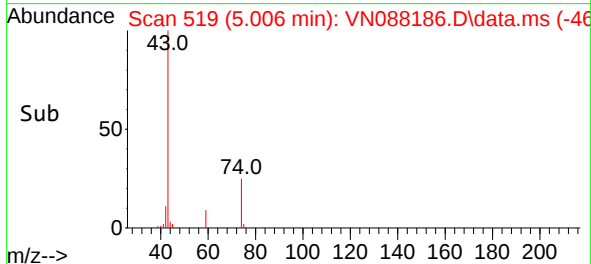
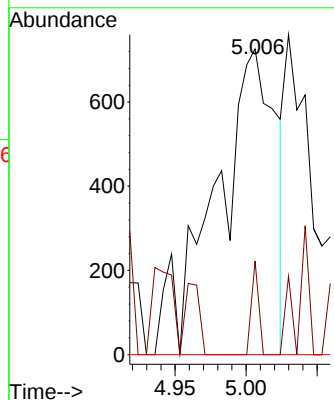
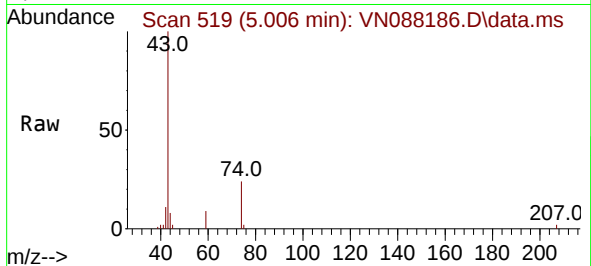




#14
 Allyl chloride
 Concen: 0.337 ug/l
 RT: 5.006 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN088186.D
 Acq: 31 Oct 2025 14:21

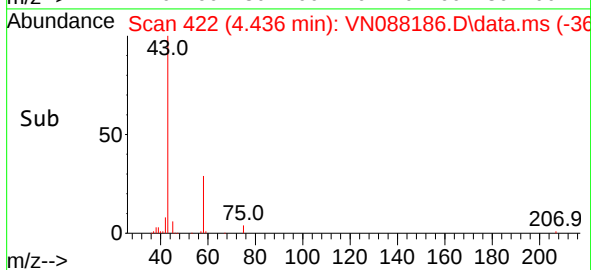
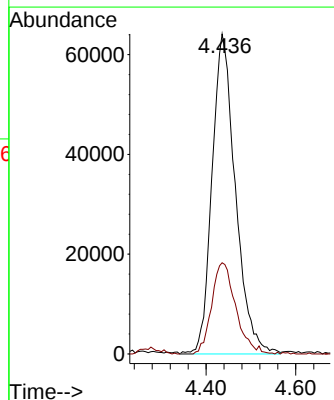
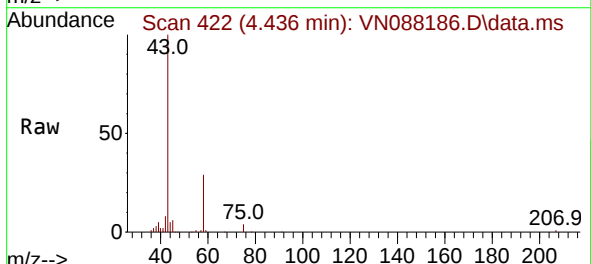
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW4-251023-01

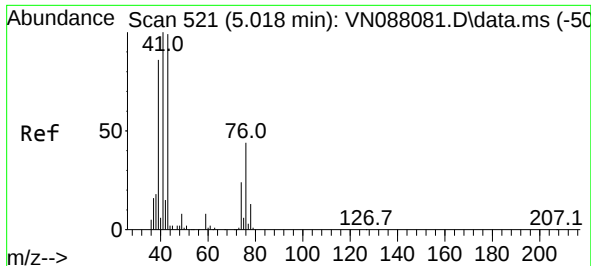
Tgt Ion: 41 Resp: 2029
 Ion Ratio Lower Upper
 41 100
 39 3.8 63.9 95.9#
 76 0.0 28.1 42.1#



#16
 Acetone
 Concen: 97.901 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. 0.012 min
 Lab File: VN088186.D
 Acq: 31 Oct 2025 14:21

Tgt Ion: 43 Resp: 232348
 Ion Ratio Lower Upper
 43 100
 58 28.5 22.6 33.8

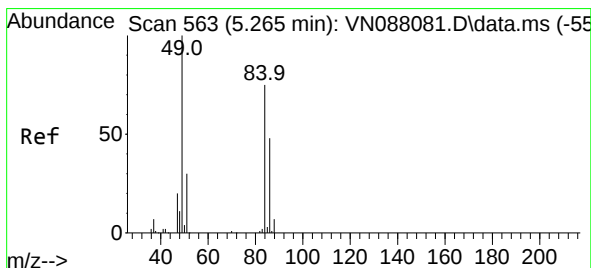
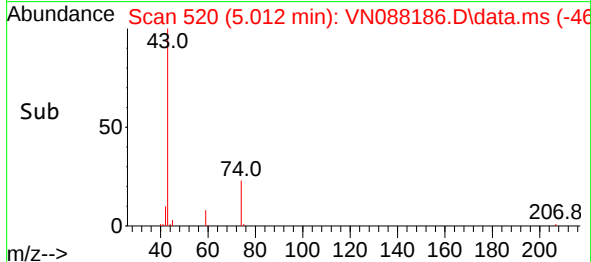
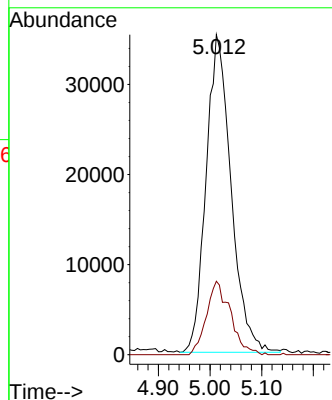
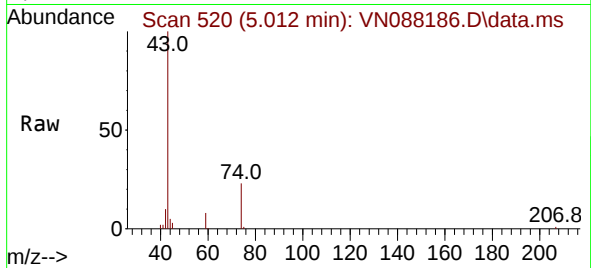




#18
Methyl Acetate
Concen: 24.410 ug/l
RT: 5.012 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

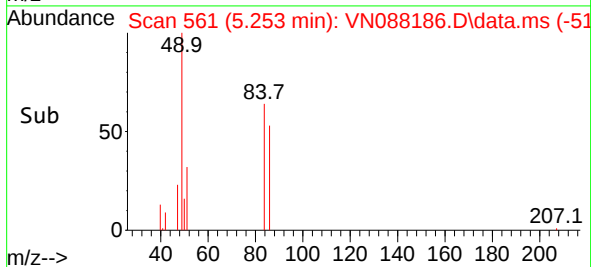
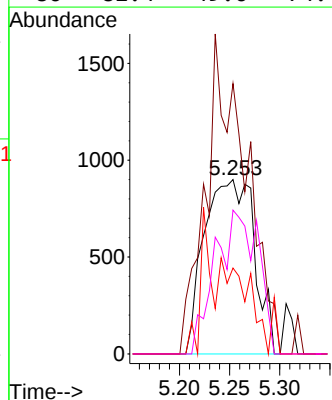
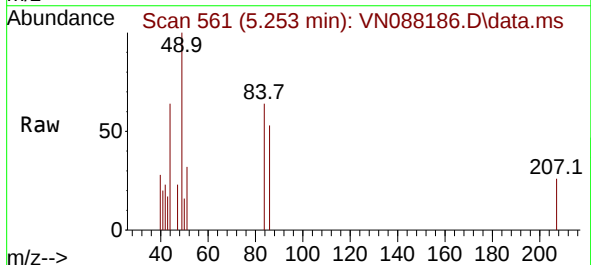
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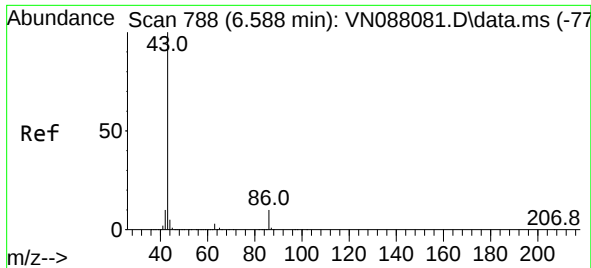
Tgt Ion: 43 Resp: 118600
Ion Ratio Lower Upper
43 100
74 22.2 17.6 26.4



#20
Methylene Chloride
Concen: 1.607 ug/l
RT: 5.253 min Scan# 561
Delta R.T. -0.012 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 84 Resp: 3131
Ion Ratio Lower Upper
84 100
49 155.1 103.4 155.2
51 49.2 33.8 50.8
86 82.4 49.6 74.4#

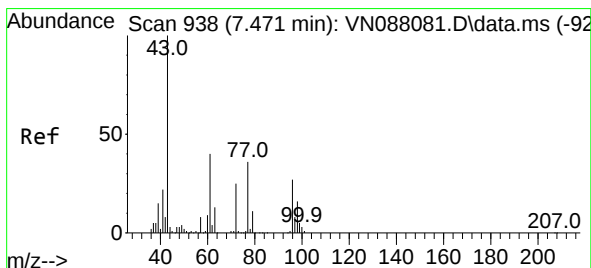
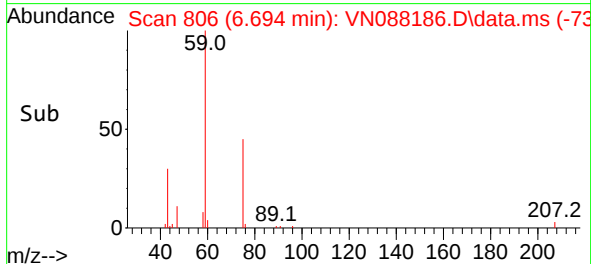
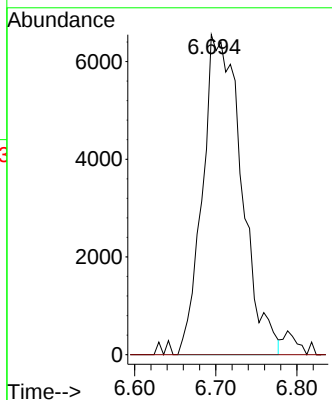
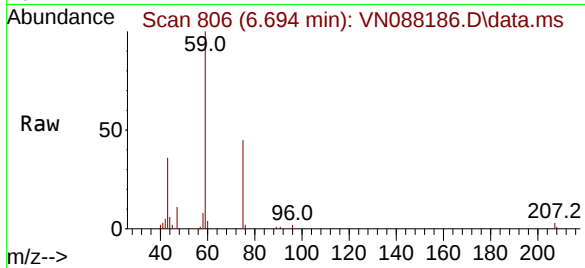




#23
 Vinyl Acetate
 Concen: 1.914 ug/l
 RT: 6.694 min Scan# 806
 Delta R.T. 0.106 min
 Lab File: VN088186.D
 Acq: 31 Oct 2025 14:21

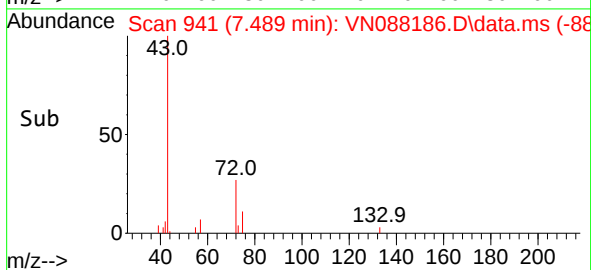
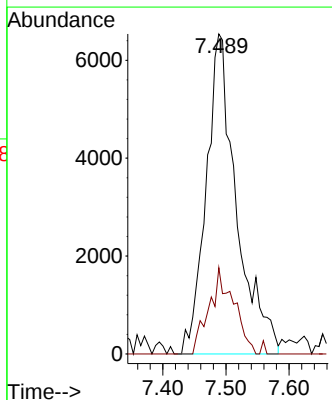
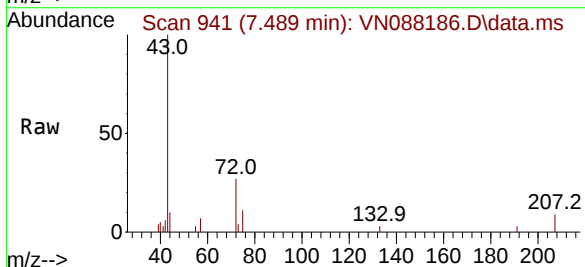
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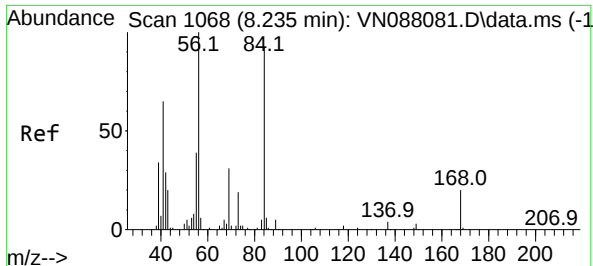
Tgt Ion: 43 Resp: 21819
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 6.977 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.023 min
 Lab File: VN088186.D
 Acq: 31 Oct 2025 14:21

Tgt Ion: 43 Resp: 21823
 Ion Ratio Lower Upper
 43 100
 72 27.0 19.9 29.9

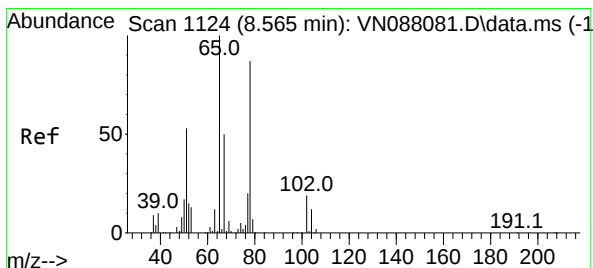
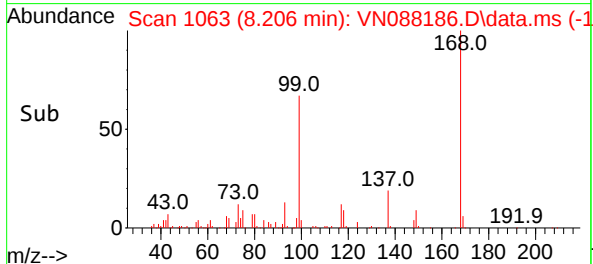
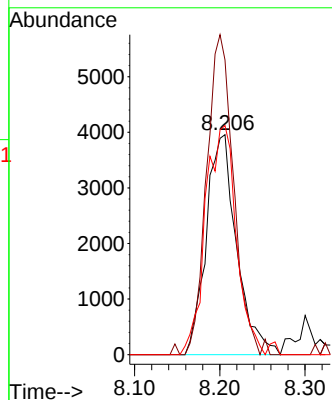
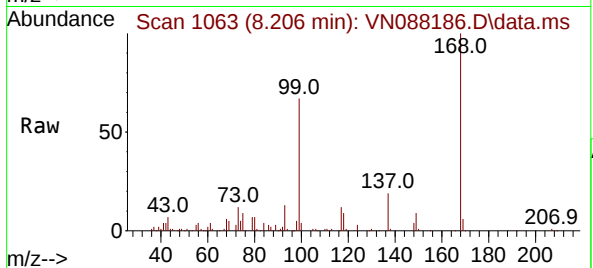




#31
Cyclohexane
Concen: 1.481 ug/l
RT: 8.206 min Scan# 1103
Delta R.T. -0.029 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

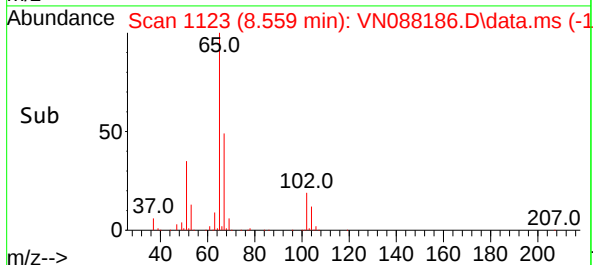
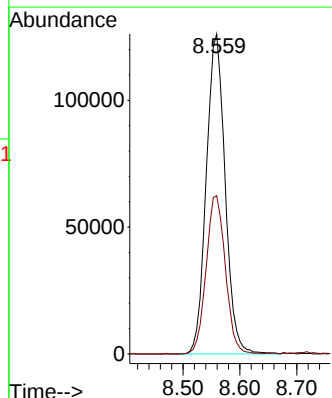
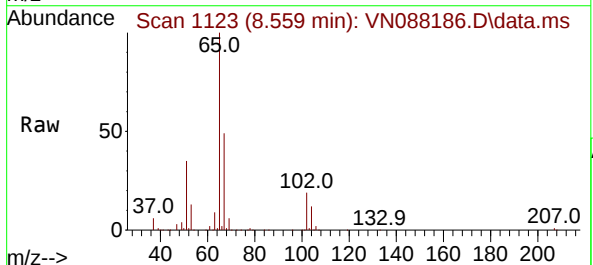
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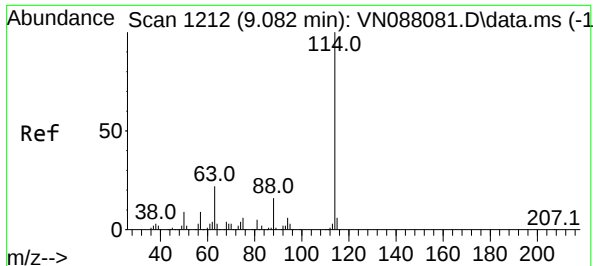
Tgt Ion: 56 Resp: 9795
Ion Ratio Lower Upper
56 100
69 133.9 23.7 35.5#
84 104.1 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 61.379 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 65 Resp: 289955
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

P001-TW4-251023-01

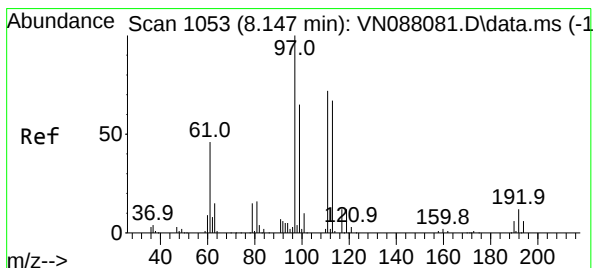
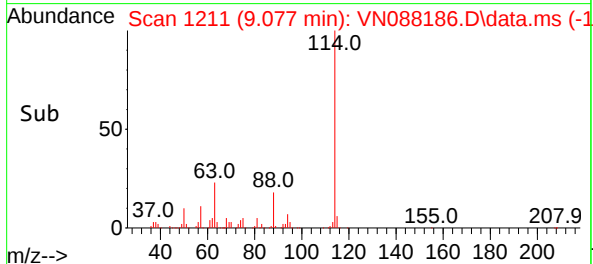
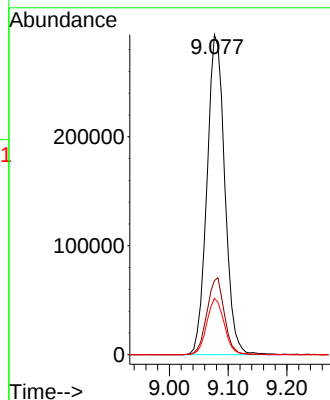
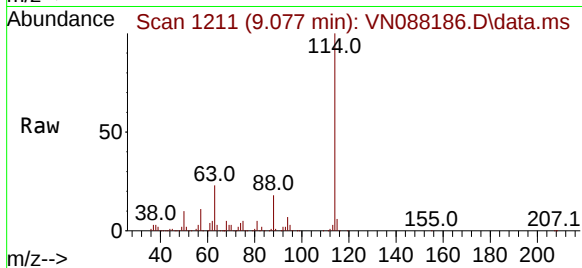
Tgt Ion:114 Resp: 616897

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.2

88 17.6 0.0 33.4



#35

Dibromofluoromethane

Concen: 49.769 ug/l

RT: 8.141 min Scan# 1052

Delta R.T. -0.012 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

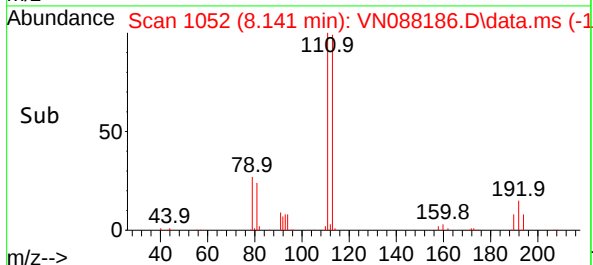
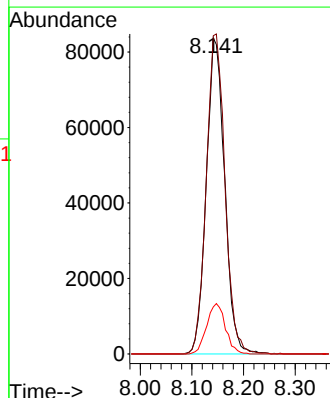
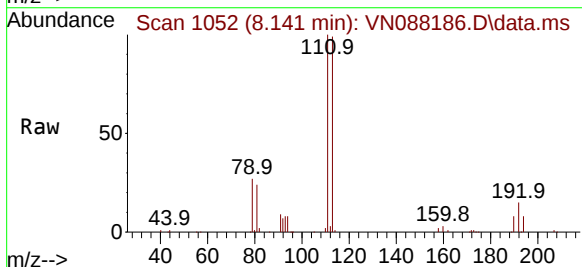
Tgt Ion:113 Resp: 206260

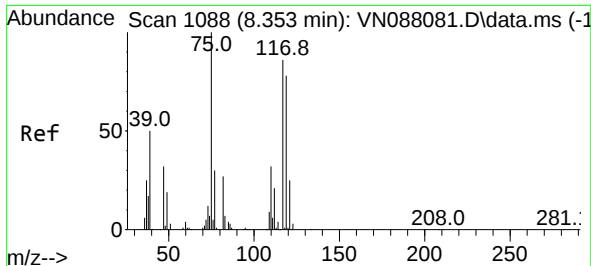
Ion Ratio Lower Upper

113 100

111 103.1 82.8 124.2

192 16.3 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.391 ug/l

RT: 8.194 min Scan# 1

Delta R.T. -0.159 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

P001-TW4-251023-01

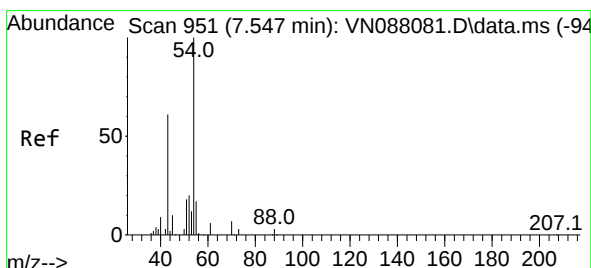
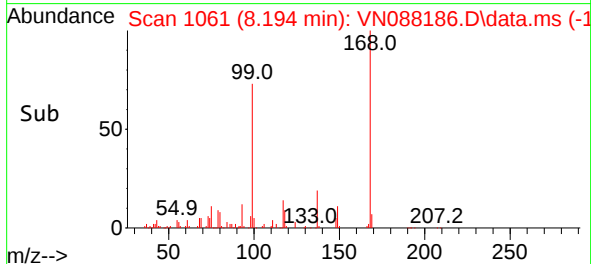
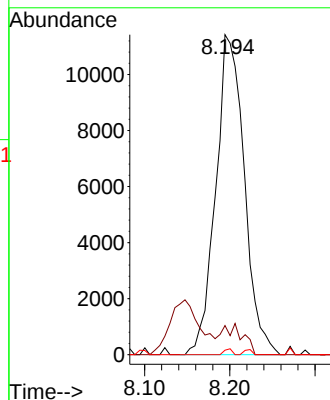
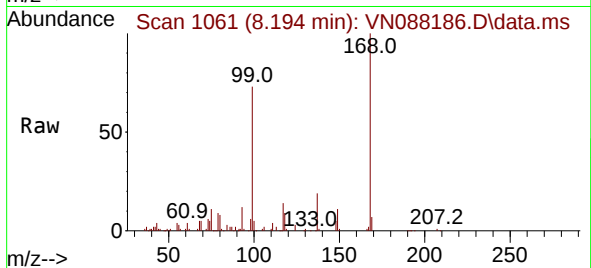
Tgt Ion: 75 Resp: 26573

Ion Ratio Lower Upper

75 100

110 7.1 15.9 47.6#

77 0.5 24.4 36.6#



#37

Ethyl Acetate

Concen: 2.795 ug/l

RT: 7.489 min Scan# 941

Delta R.T. -0.059 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

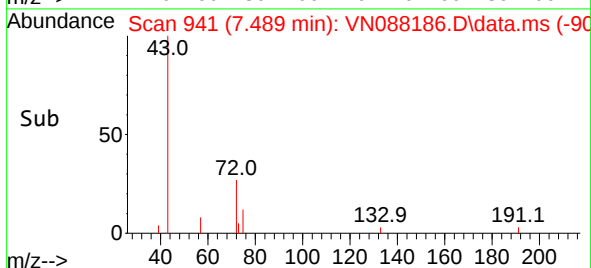
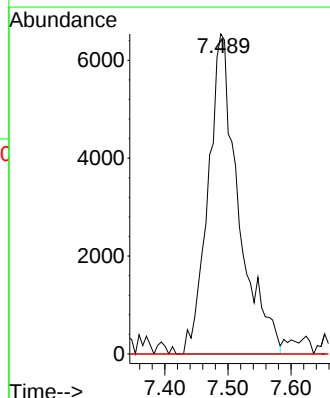
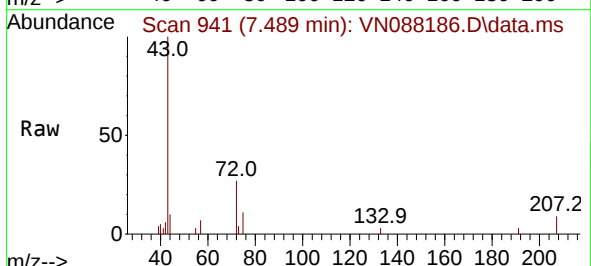
Tgt Ion: 43 Resp: 21823

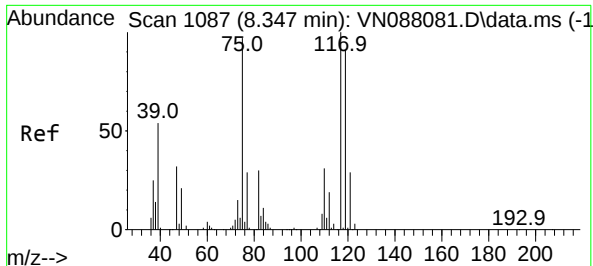
Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#

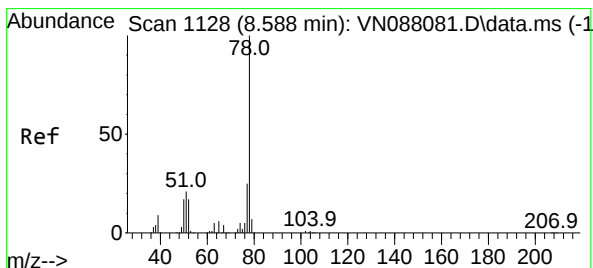
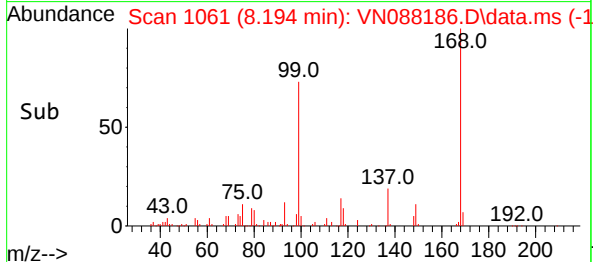
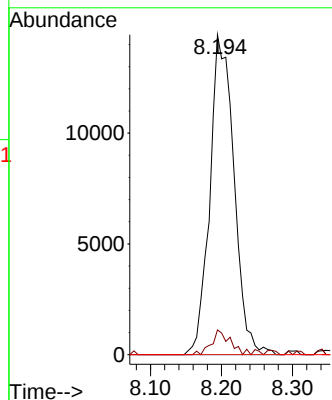
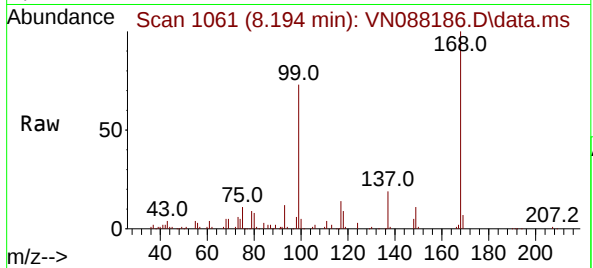




#38
Carbon Tetrachloride
Concen: 5.459 ug/l
RT: 8.194 min Scan# 110
Delta R.T. -0.147 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

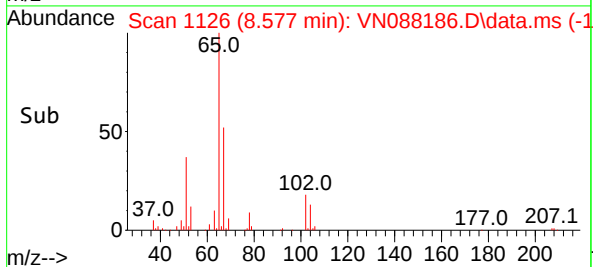
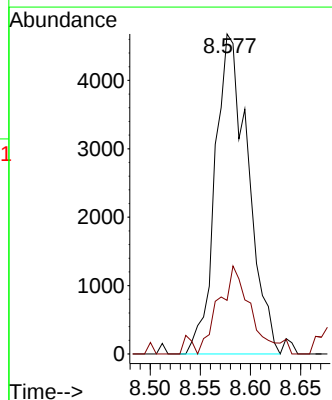
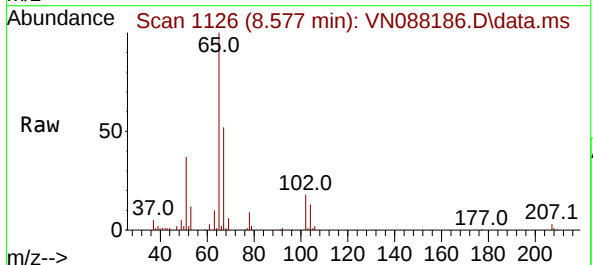
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

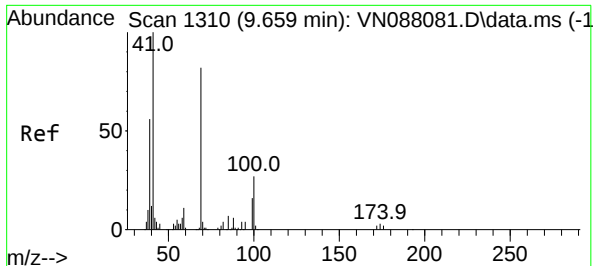
Tgt Ion:117 Resp: 34120
Ion Ratio Lower Upper
117 100
119 7.7 79.0 118.6#
121 0.0 25.0 37.6#



#40
Benzene
Concen: 0.578 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.012 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 78 Resp: 10646
Ion Ratio Lower Upper
78 100
77 16.7 19.7 29.5#





#48

Methyl methacrylate

Concen: 0.891 ug/l

RT: 9.635 min Scan# 11

Delta R.T. -0.029 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

P001-TW4-251023-01

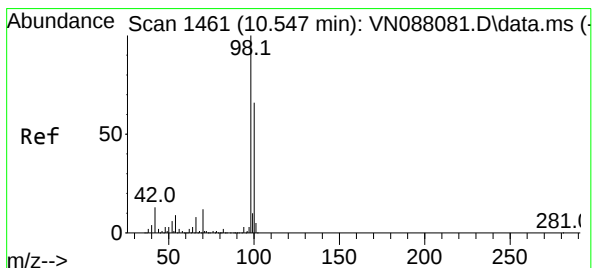
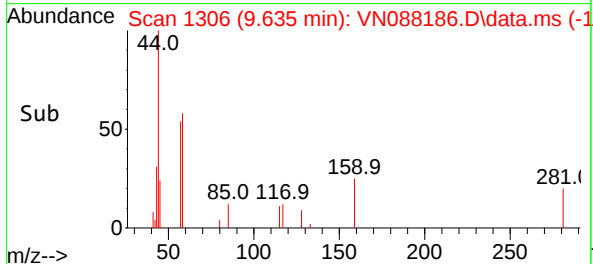
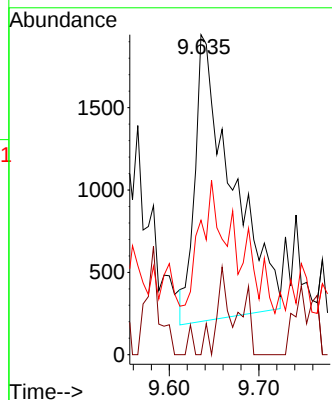
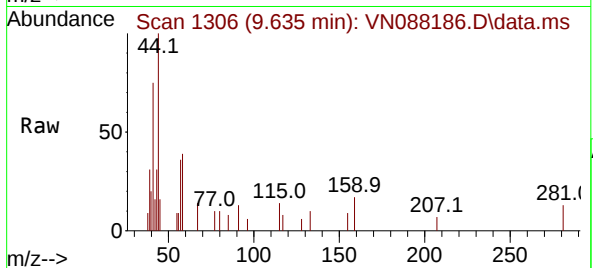
Tgt Ion: 41 Resp: 4938

Ion Ratio Lower Upper

41 100

69 1.3 62.7 94.1#

39 0.0 52.9 79.3#



#50

Toluene-d8

Concen: 49.911 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088186.D

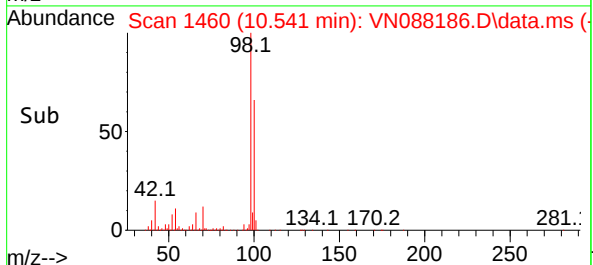
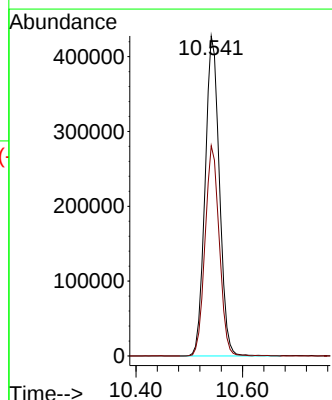
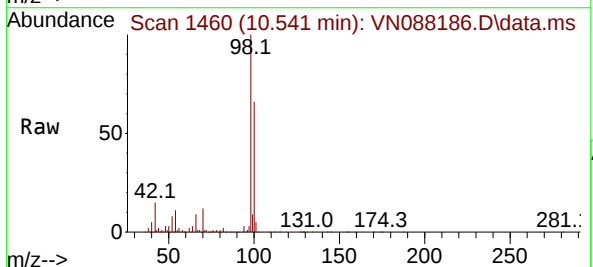
Acq: 31 Oct 2025 14:21

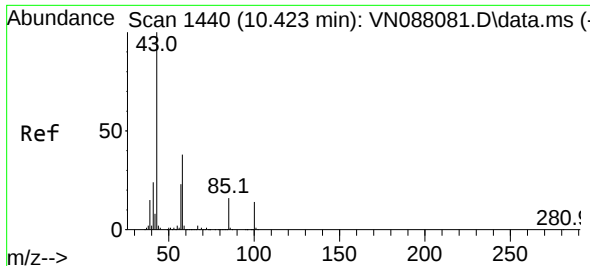
Tgt Ion: 98 Resp: 797025

Ion Ratio Lower Upper

98 100

100 65.1 52.8 79.2

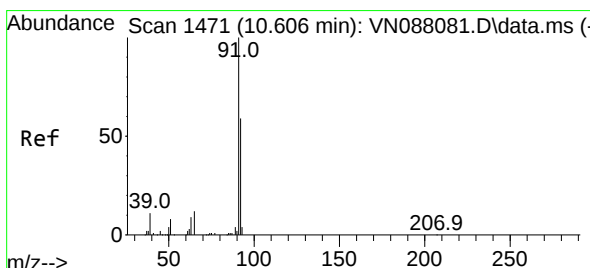
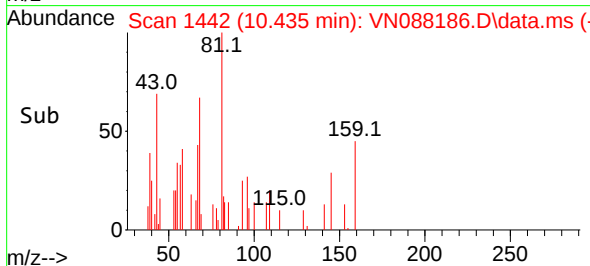
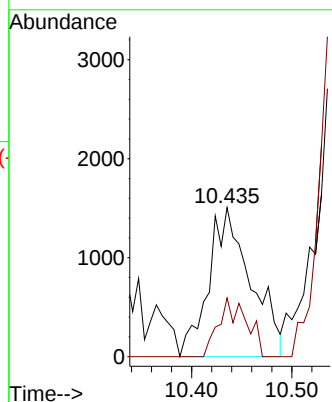
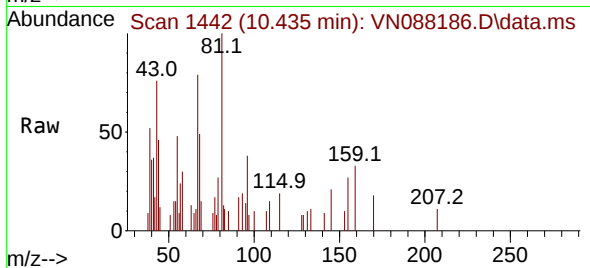




#51
4-Methyl-2-Pentanone
Concen: 0.620 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.012 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

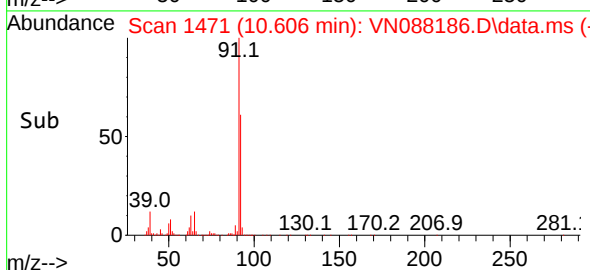
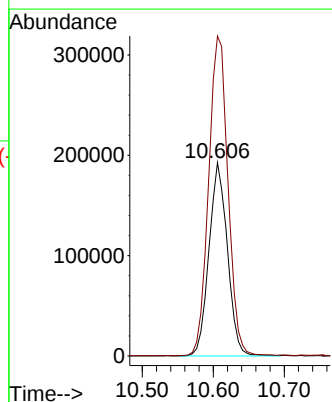
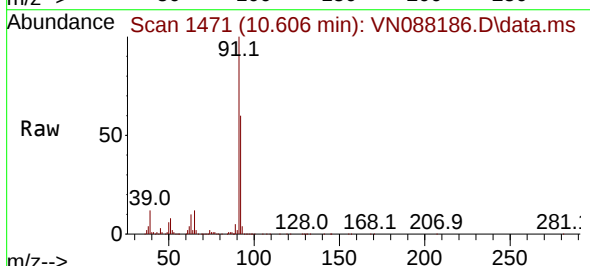
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

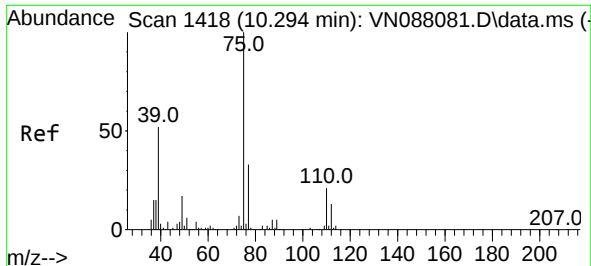
Tgt Ion: 43 Resp: 4400
Ion Ratio Lower Upper
43 100
58 26.0 29.6 44.4#



#52
Toluene
Concen: 30.576 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 92 Resp: 347408
Ion Ratio Lower Upper
92 100
91 173.2 140.4 210.6

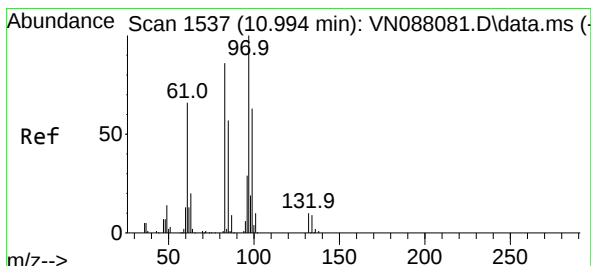
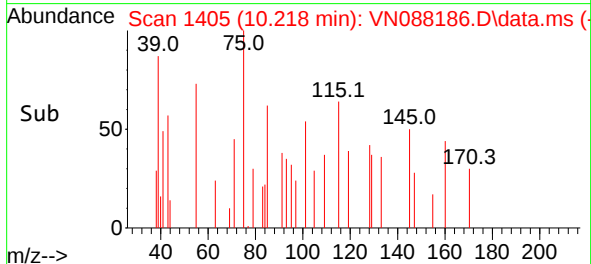
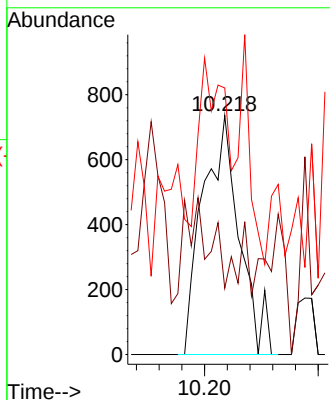
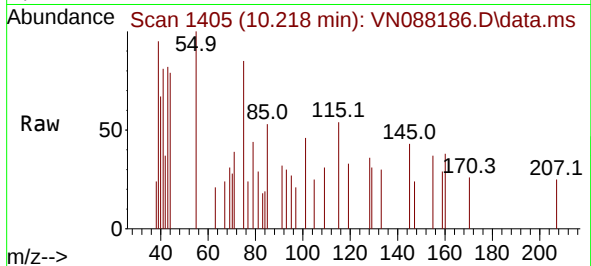




#54
 cis-1,3-Dichloropropene
 Concen: 0.219 ug/l
 RT: 10.218 min Scan# 1418
 Delta R.T. -0.071 min
 Lab File: VN088186.D
 Acq: 31 Oct 2025 14:21

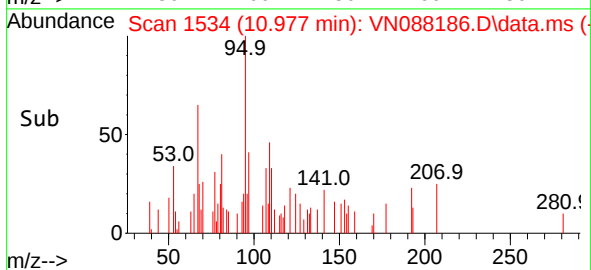
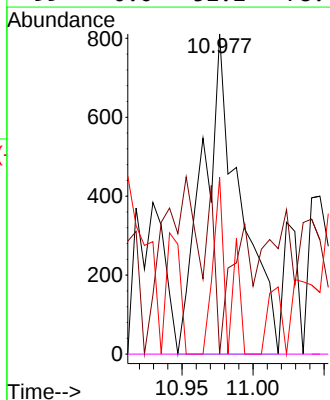
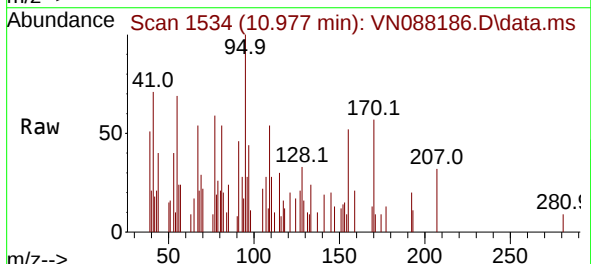
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-TW4-251023-01

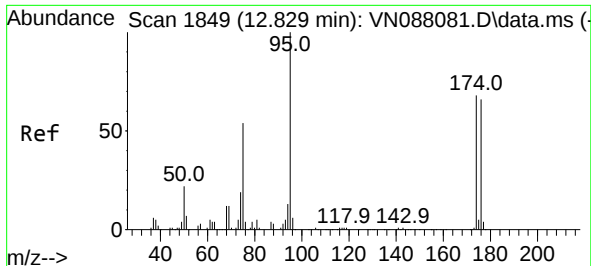
Tgt Ion: 75 Resp: 1646
 Ion Ratio Lower Upper
 75 100
 77 2.2 24.6 37.0#
 39 32.1 45.2 67.8#



#55
 1,1,2-Trichloroethane
 Concen: 0.344 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. -0.018 min
 Lab File: VN088186.D
 Acq: 31 Oct 2025 14:21

Tgt Ion: 97 Resp: 1481
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.2 102.4#
 85 34.3 45.5 68.3#
 99 0.0 52.2 78.4#

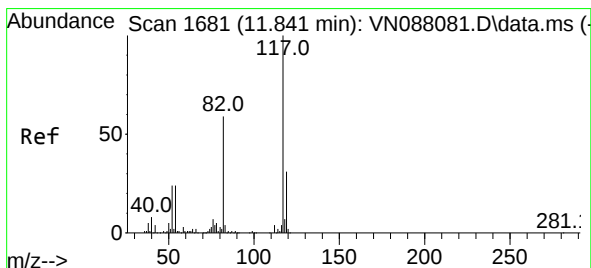
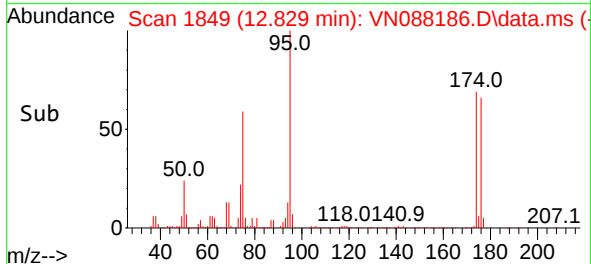
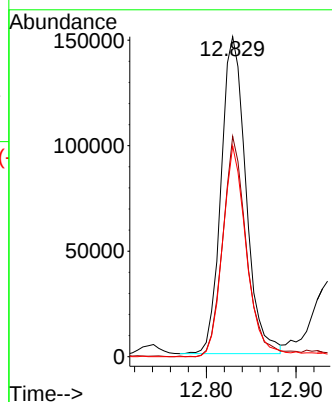
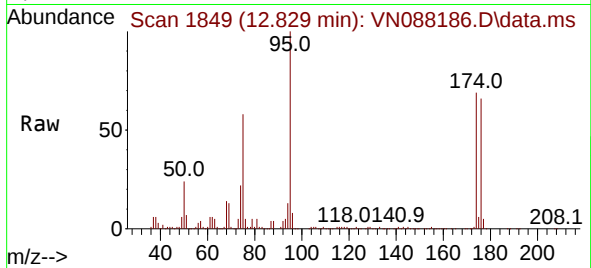




#62
4-Bromofluorobenzene
Concen: 51.095 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

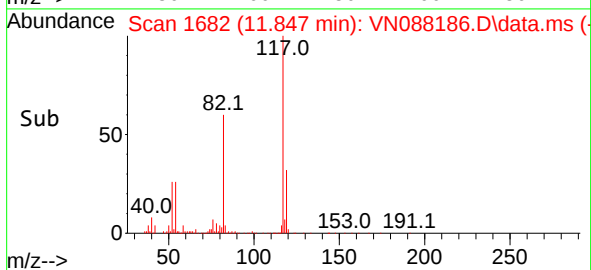
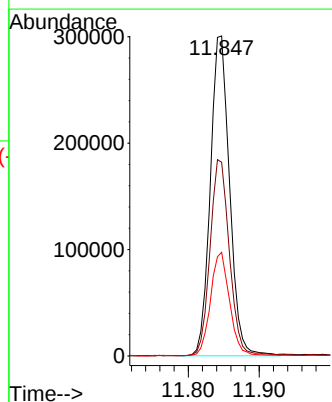
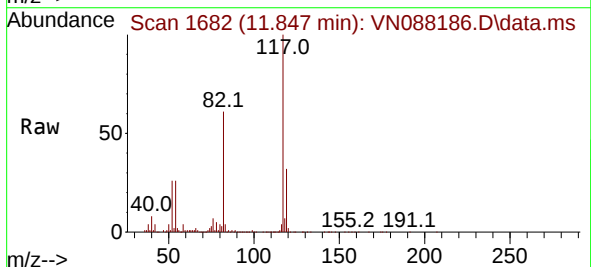
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

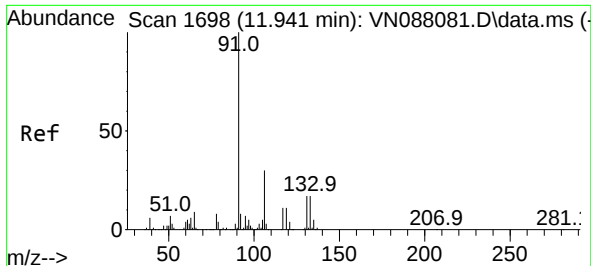
Tgt Ion: 95 Resp: 288155
Ion Ratio Lower Upper
95 100
174 67.1 0.0 138.4
176 64.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 117 Resp: 566365
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 32.3 24.3 36.5

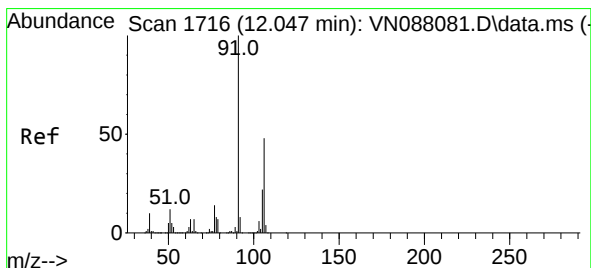
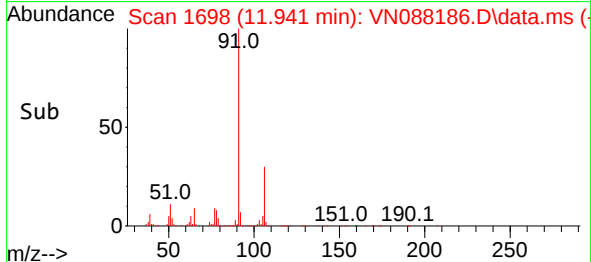
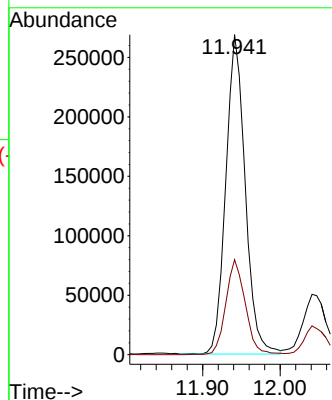
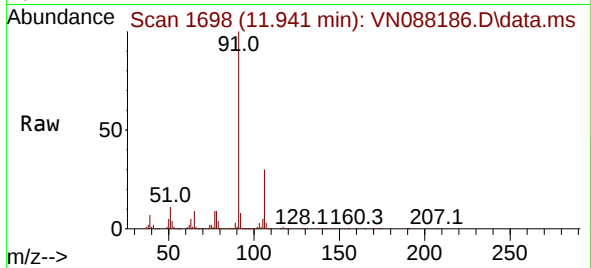




#67
Ethyl Benzene
Concen: 20.689 ug/l
RT: 11.941 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

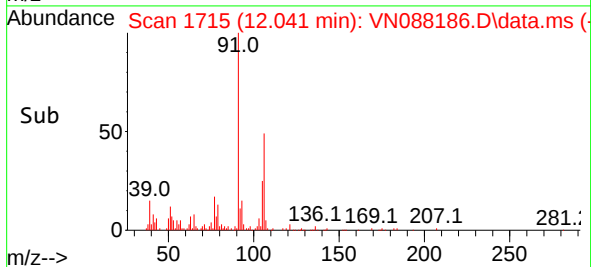
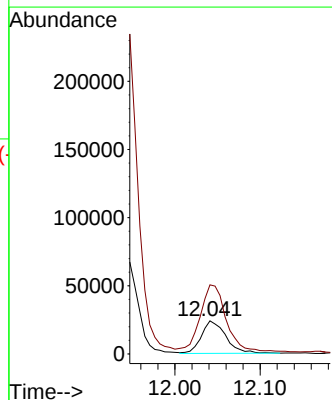
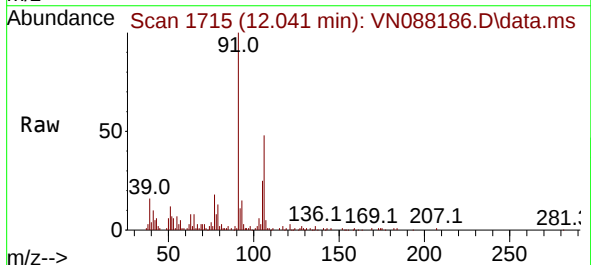
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

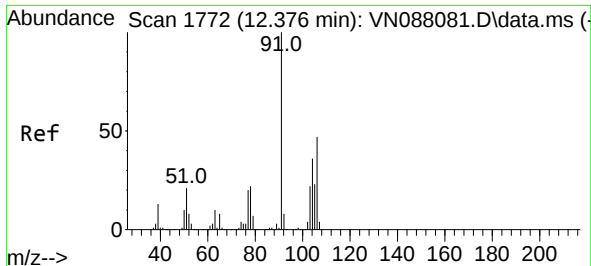
Tgt Ion: 91 Resp: 467029
Ion Ratio Lower Upper
91 100
106 29.8 24.1 36.1



#68
m/p-Xylenes
Concen: 5.625 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion:106 Resp: 47578
Ion Ratio Lower Upper
106 100
91 224.8 169.3 253.9

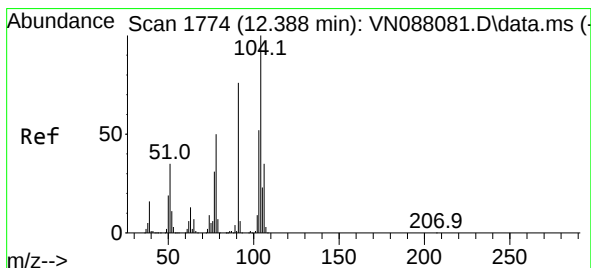
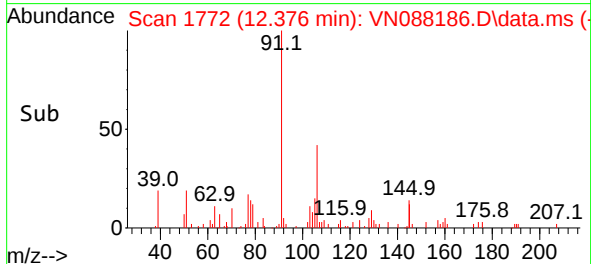
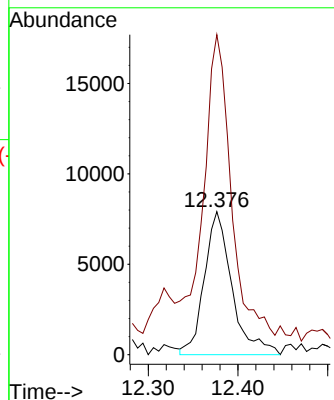
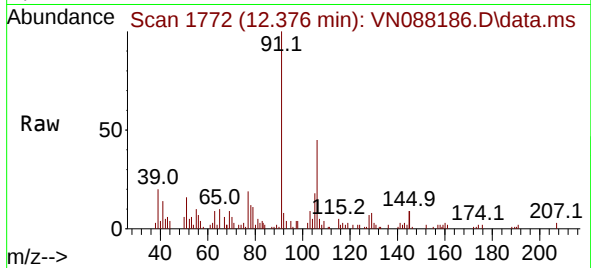




#69
o-Xylene
Concen: 2.109 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

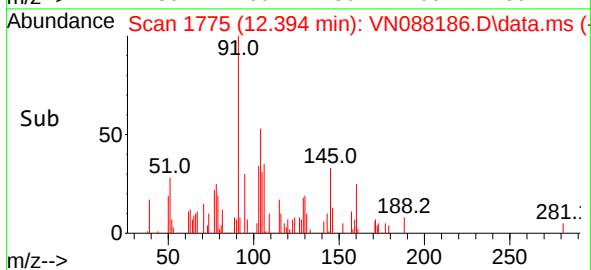
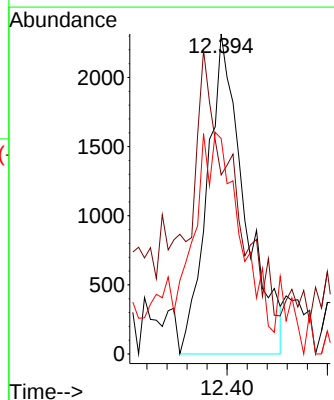
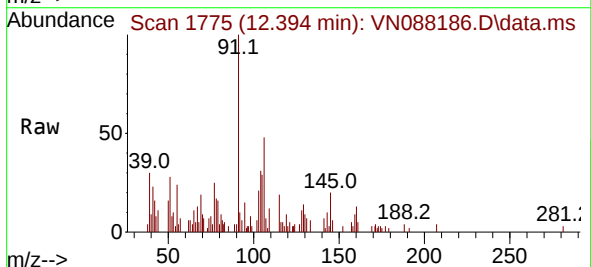
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

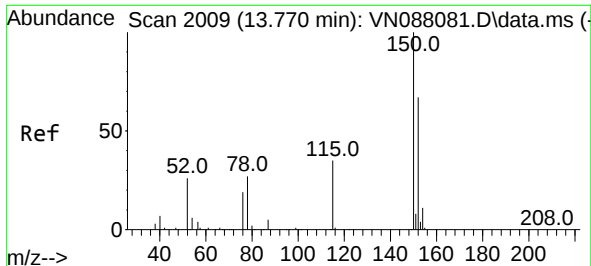
Tgt Ion:106 Resp: 16907
Ion Ratio Lower Upper
106 100
91 203.8 111.4 334.2



#70
Styrene
Concen: 0.459 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion:104 Resp: 6000
Ion Ratio Lower Upper
104 100
78 85.3 42.2 63.2#
103 88.5 43.4 65.2#

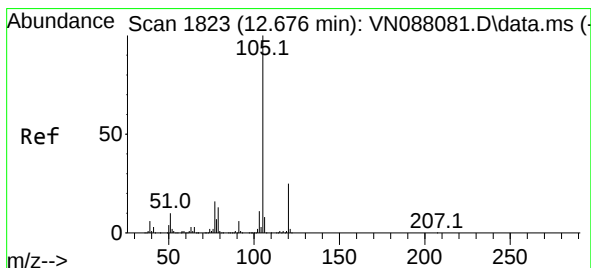
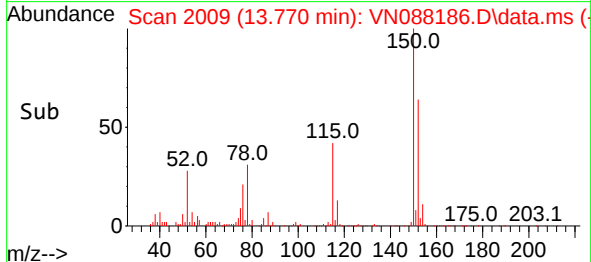
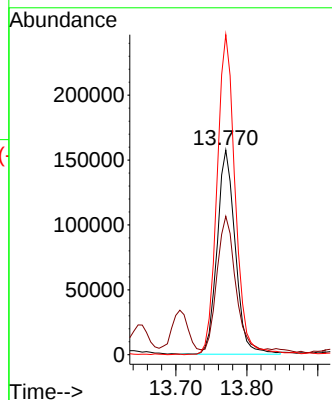
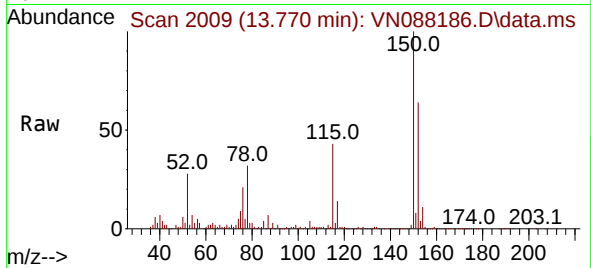




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

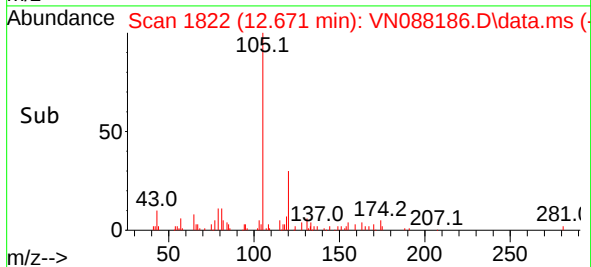
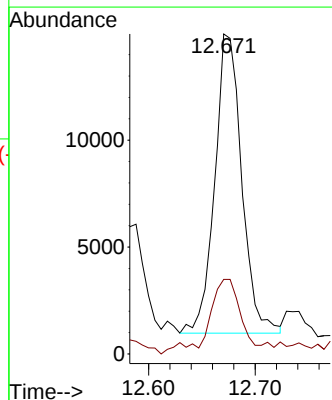
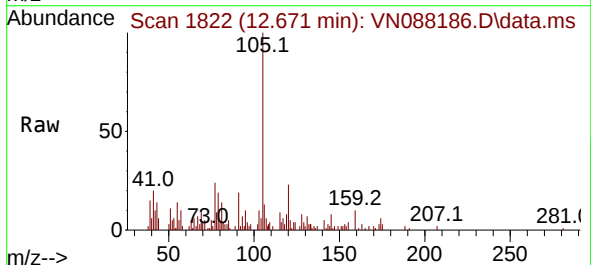
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

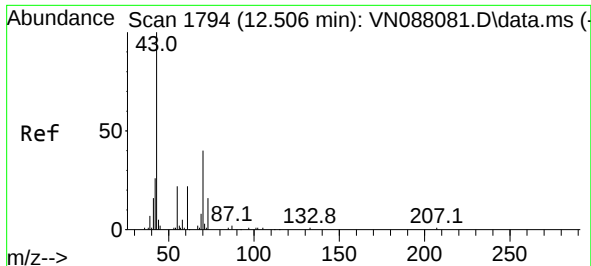
Tgt Ion:152 Resp: 278512
Ion Ratio Lower Upper
152 100
115 65.6 32.3 96.8
150 157.7 0.0 351.0



#73
Isopropylbenzene
Concen: 1.147 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion:105 Resp: 24632
Ion Ratio Lower Upper
105 100
120 22.6 12.8 38.3

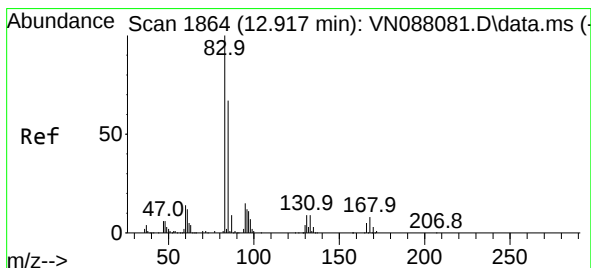
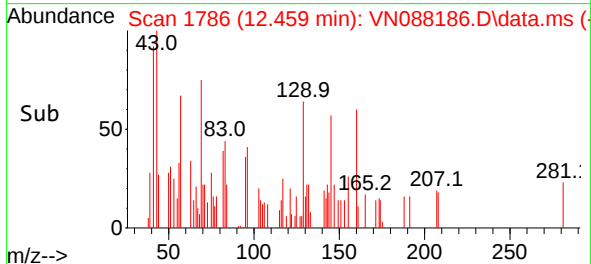
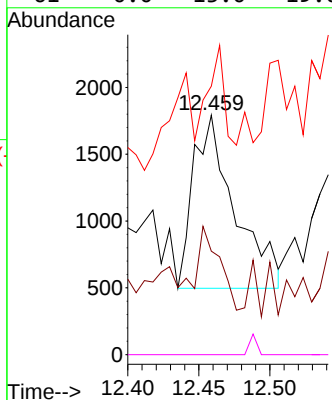
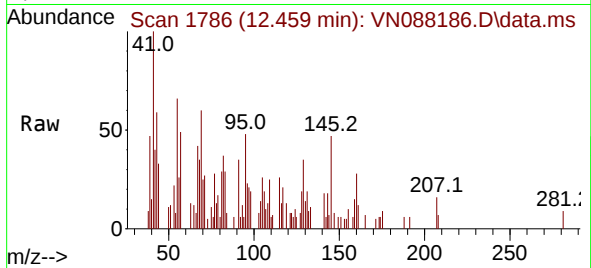




#74
N-amy1 acetate
Concen: 0.431 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.041 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

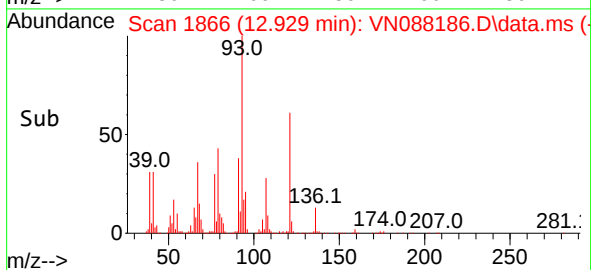
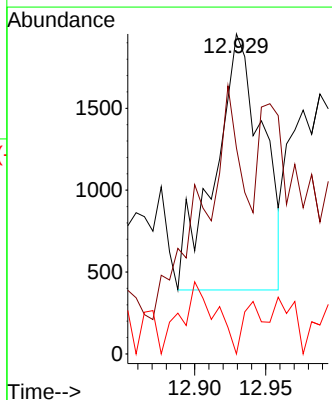
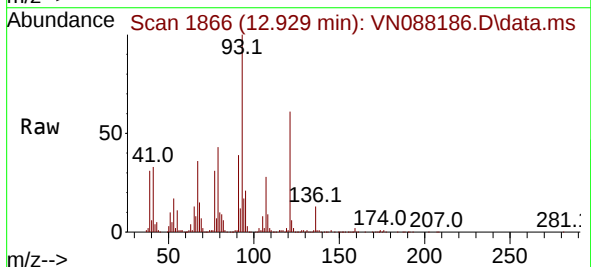
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

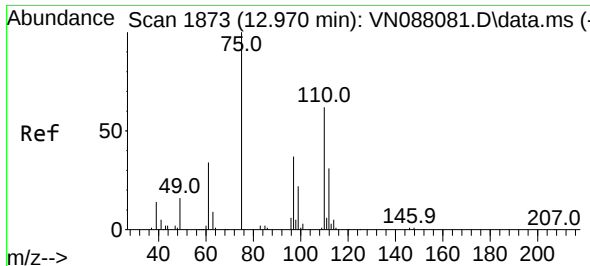
Tgt Ion:	43	Resp:	2631
Ion	Ratio	Lower	Upper
43	100		
70	28.0	27.6	41.4
55	22.2	13.0	19.6#
61	0.0	13.0	19.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.544 ug/l
RT: 12.929 min Scan# 1866
Delta R.T. 0.012 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion:	83	Resp:	3635
Ion	Ratio	Lower	Upper
83	100		
131	79.9	4.8	14.4#
85	9.4	32.1	96.3#

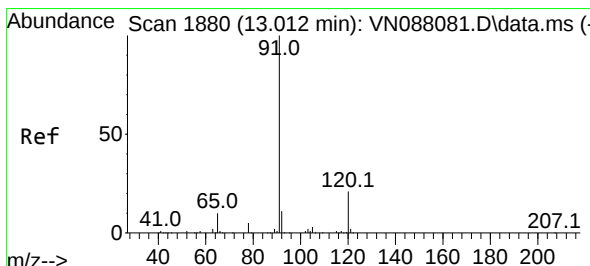
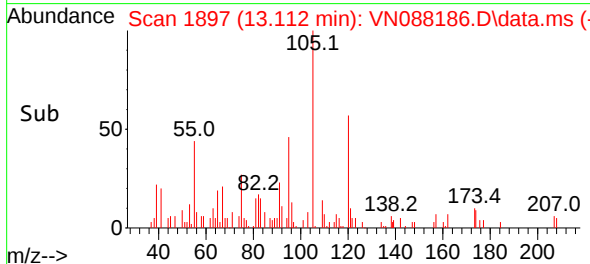
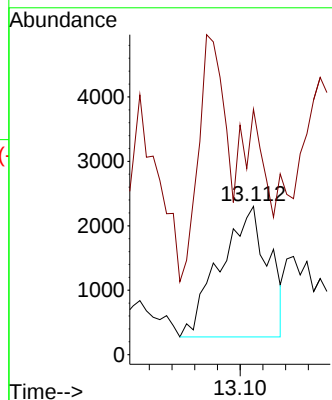
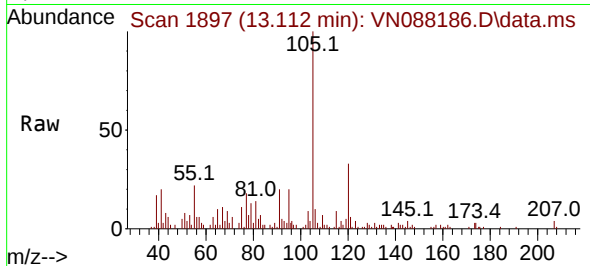




#76
1,2,3-Trichloropropane
Concen: 0.932 ug/l
RT: 13.112 min Scan# 1897
Delta R.T. 0.141 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

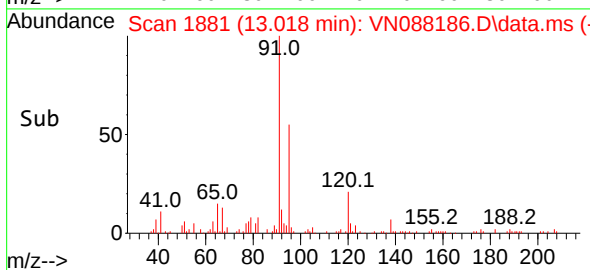
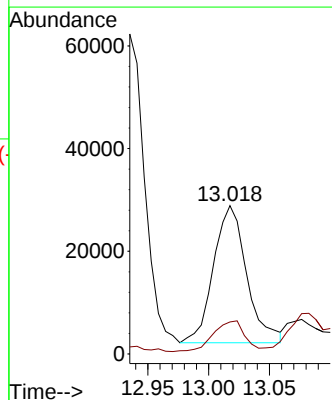
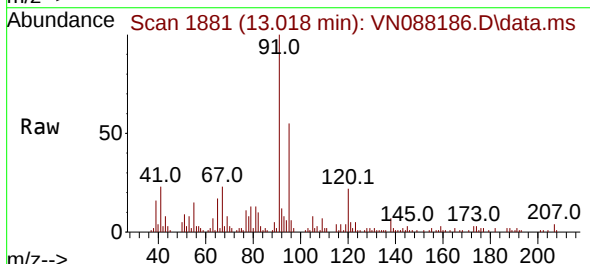
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

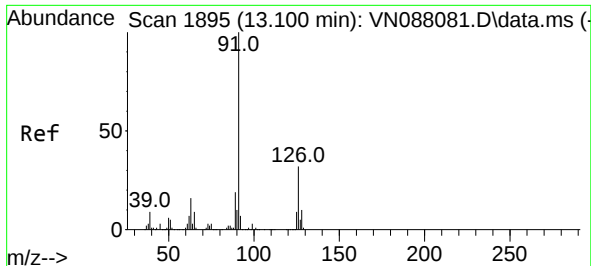
Tgt Ion: 75 Resp: 5936
Ion Ratio Lower Upper
75 100
77 0.0 89.1 267.4#



#78
n-propylbenzene
Concen: 1.936 ug/l
RT: 13.018 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 91 Resp: 50738
Ion Ratio Lower Upper
91 100
120 23.7 10.7 32.1

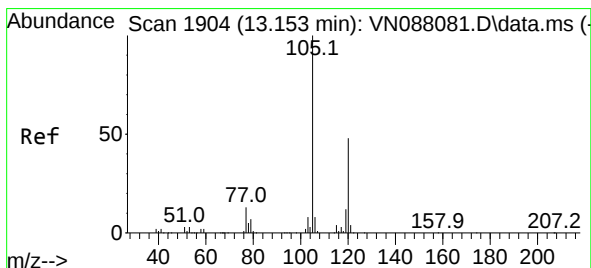
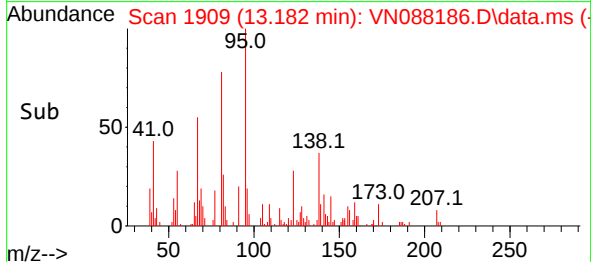
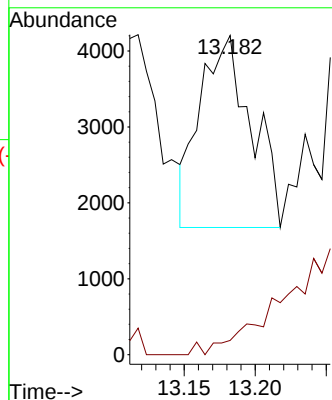
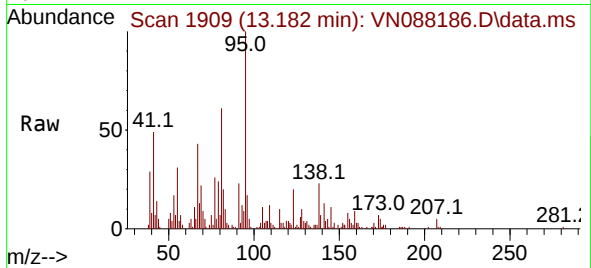




#79
2-Chlorotoluene
Concen: 0.425 ug/l
RT: 13.182 min Scan# 1897
Delta R.T. 0.082 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

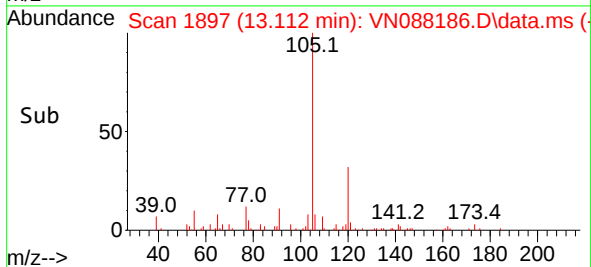
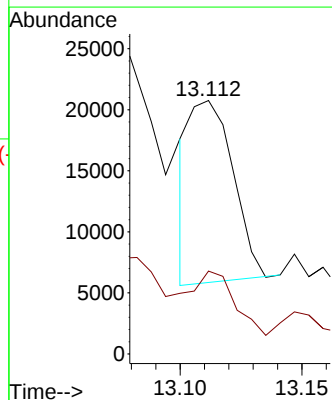
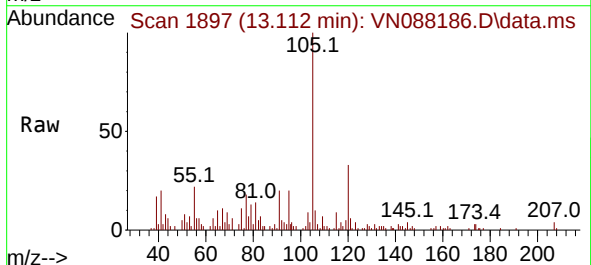
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

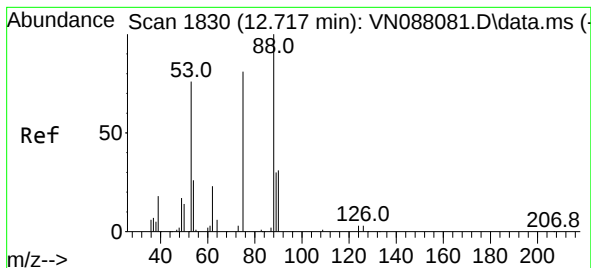
Tgt Ion: 91 Resp: 6349
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.3#



#80
1,3,5-Trimethylbenzene
Concen: 1.032 ug/l
RT: 13.112 min Scan# 1897
Delta R.T. -0.041 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 105 Resp: 18406
Ion Ratio Lower Upper
105 100
120 48.1 23.2 69.6

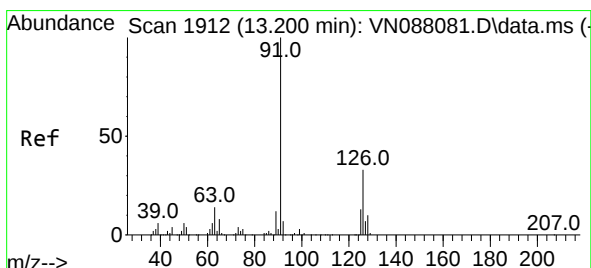
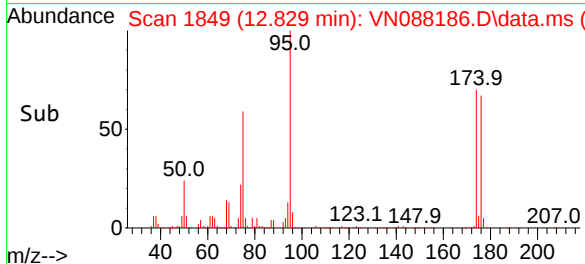
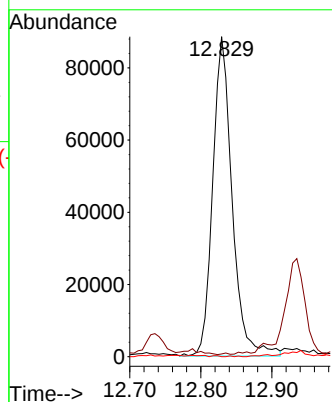
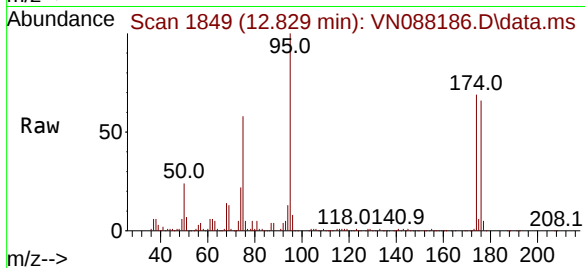




#81
trans-1,4-Dichloro-2-butene
Concen: 73.528 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

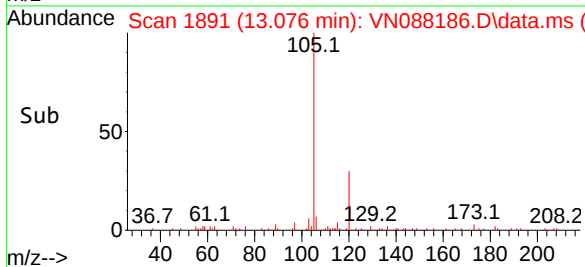
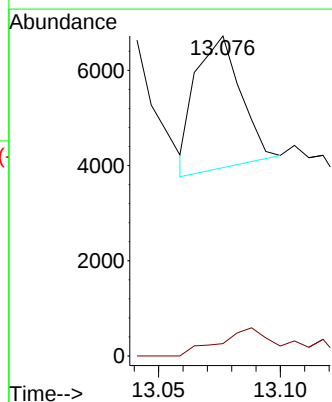
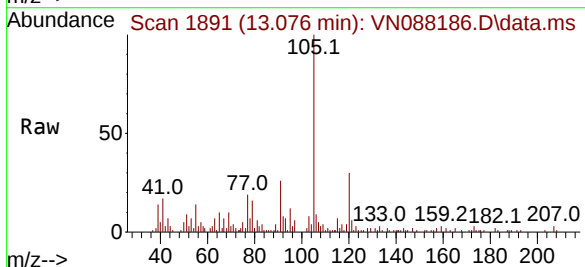
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

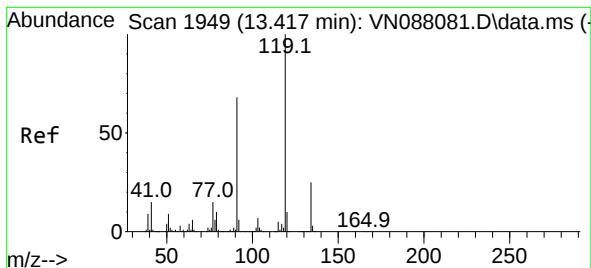
Tgt Ion: 75 Resp: 167842
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.1 35.6 53.4#



#82
4-Chlorotoluene
Concen: 0.224 ug/l
RT: 13.076 min Scan# 1891
Delta R.T. -0.124 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 91 Resp: 3626
Ion Ratio Lower Upper
91 100
126 31.3 15.6 46.8





#83

tert-Butylbenzene

Concen: 25.173 ug/l

RT: 13.647 min Scan# 1988

Delta R.T. 0.229 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

P001-TW4-251023-01

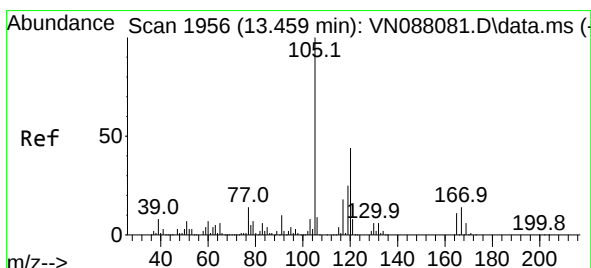
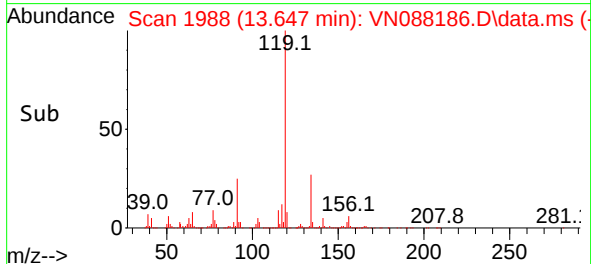
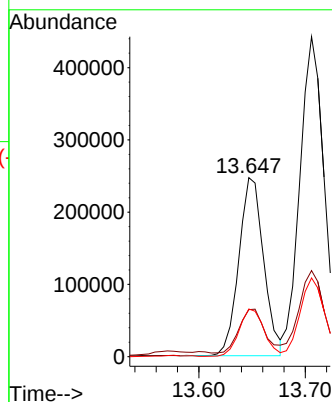
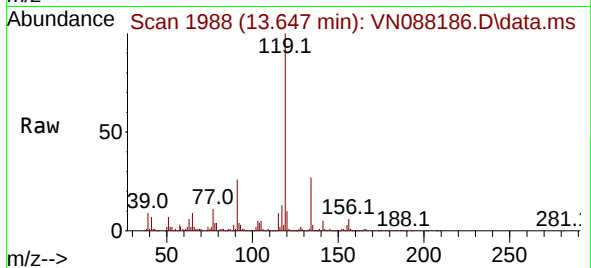
Tgt Ion:119 Resp: 401175

Ion Ratio Lower Upper

119 100

91 25.0 35.0 105.0#

134 26.6 12.6 37.8



#84

1,2,4-Trimethylbenzene

Concen: 2.671 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088186.D

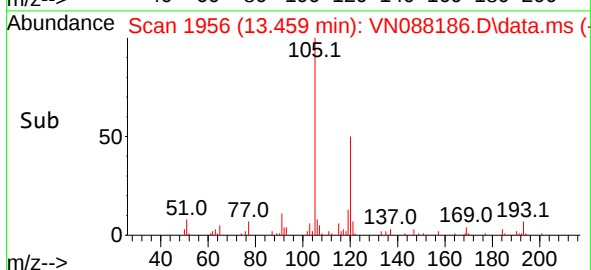
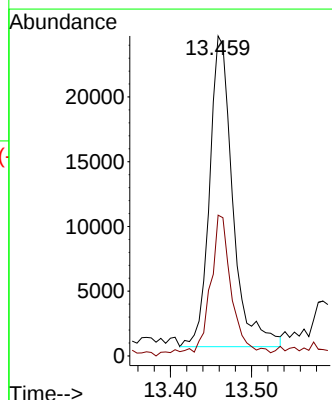
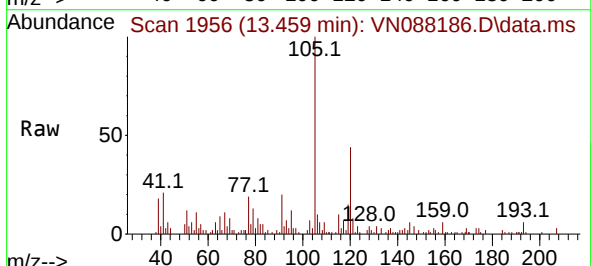
Acq: 31 Oct 2025 14:21

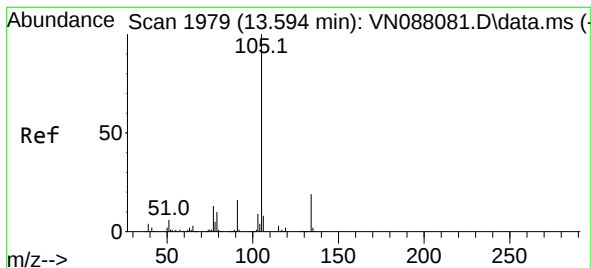
Tgt Ion:105 Resp: 47676

Ion Ratio Lower Upper

105 100

120 43.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 0.713 ug/l

RT: 13.647 min Scan# 1979

Delta R.T. 0.053 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

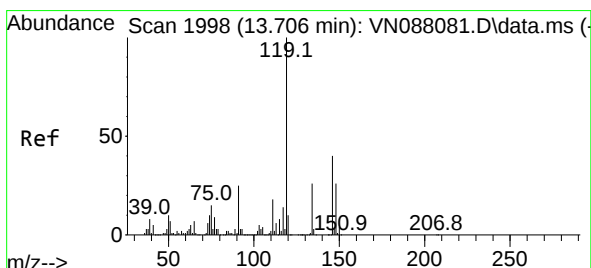
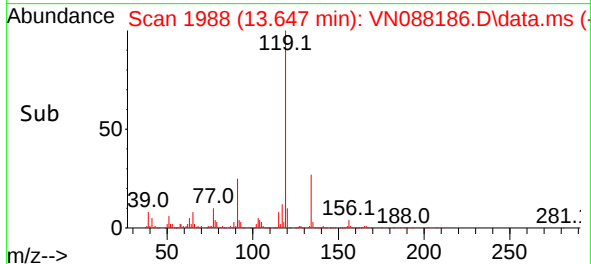
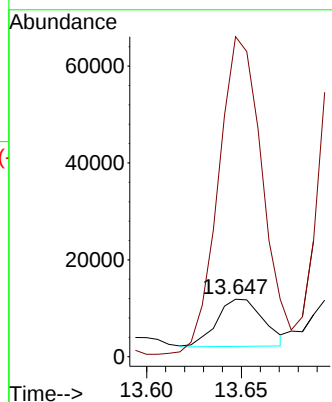
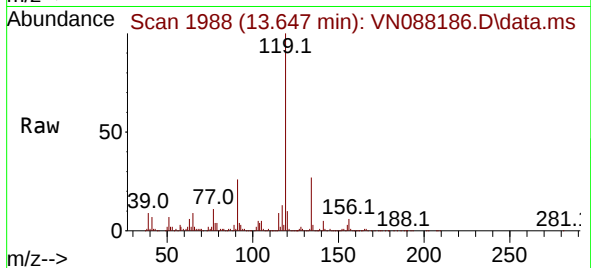
P001-TW4-251023-01

Tgt Ion:105 Resp: 16684

Ion Ratio Lower Upper

105 100

134 642.6 9.6 28.6#



#86

p-Isopropyltoluene

Concen: 37.311 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.000 min

Lab File: VN088186.D

Acq: 31 Oct 2025 14:21

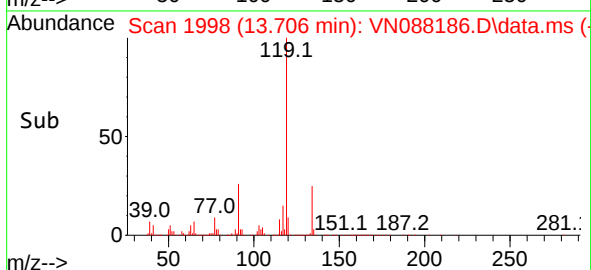
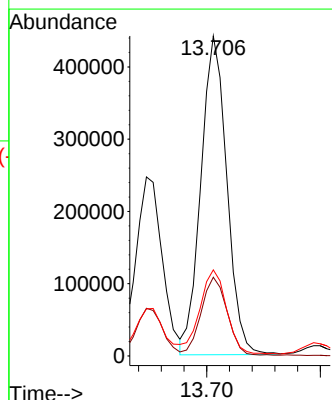
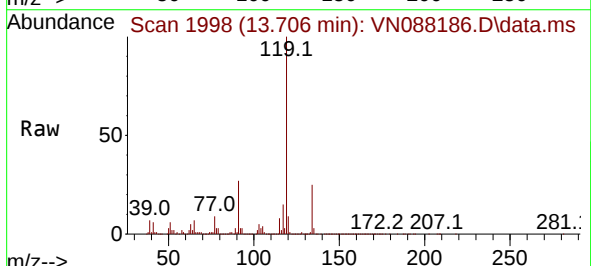
Tgt Ion:119 Resp: 700814

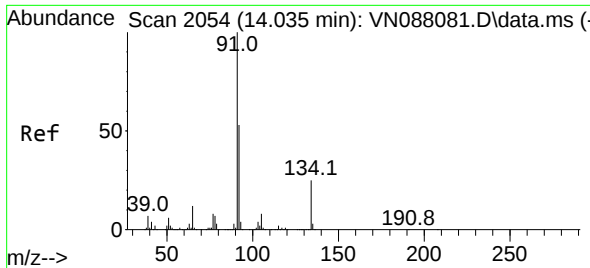
Ion Ratio Lower Upper

119 100

134 24.4 12.7 38.0

91 26.9 12.5 37.5

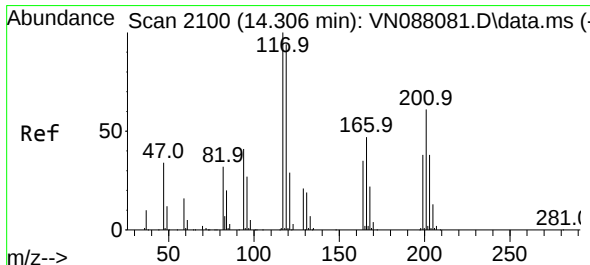
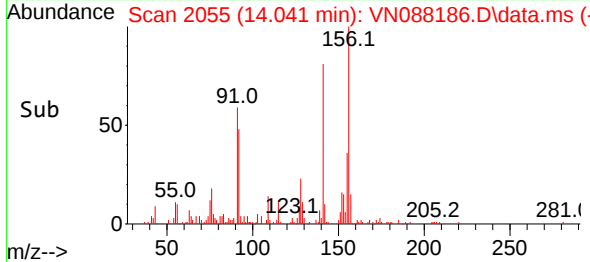
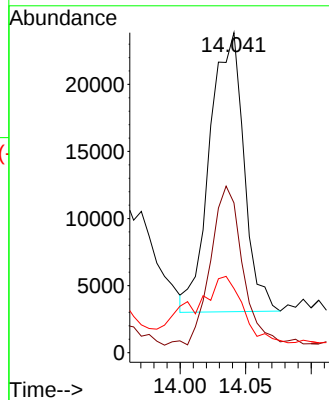
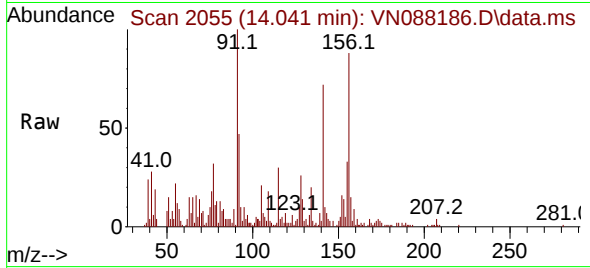




#89
n-Butylbenzene
Concen: 2.017 ug/l
RT: 14.041 min Scan# 2099
Delta R.T. 0.012 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

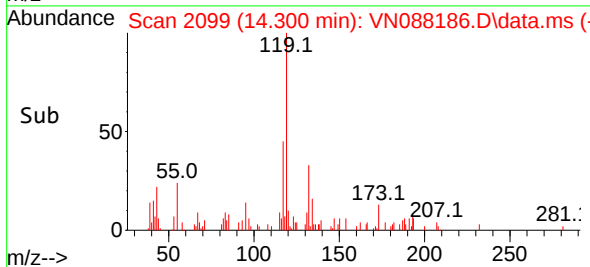
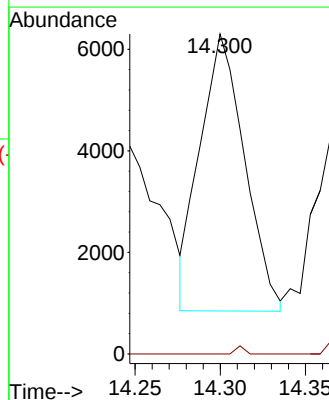
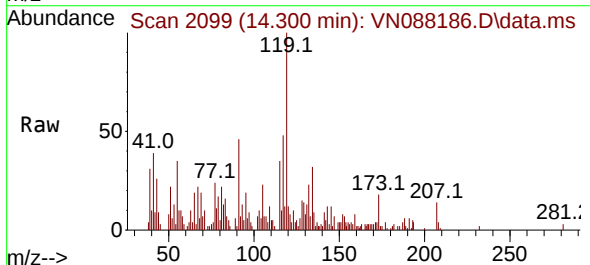
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

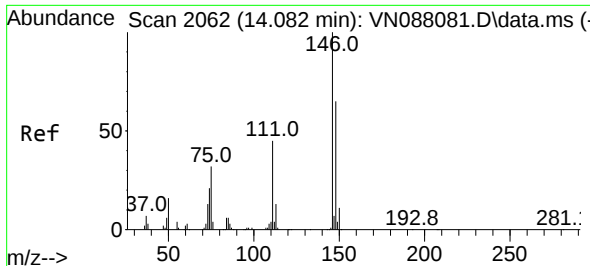
Tgt Ion: 91 Resp: 37523
Ion Ratio Lower Upper
91 100
92 53.9 25.9 77.8
134 26.0 11.7 35.0



#90
Hexachloroethane
Concen: 2.722 ug/l
RT: 14.300 min Scan# 2099
Delta R.T. -0.012 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 117 Resp: 9901
Ion Ratio Lower Upper
117 100
201 0.6 29.1 87.4#

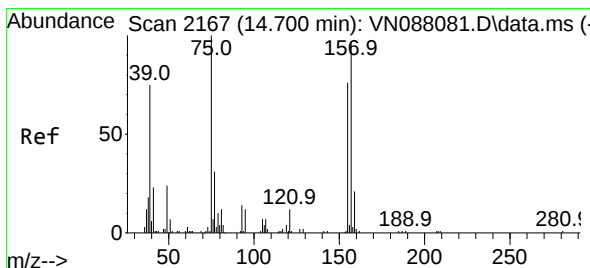
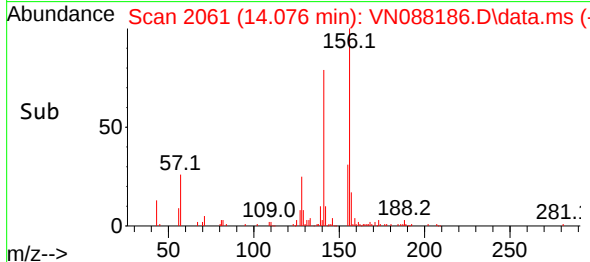
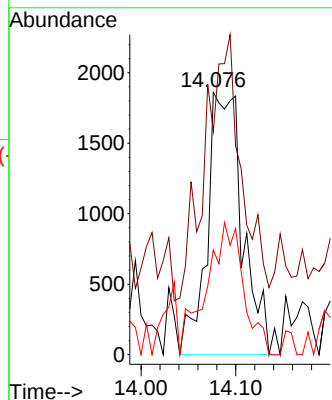
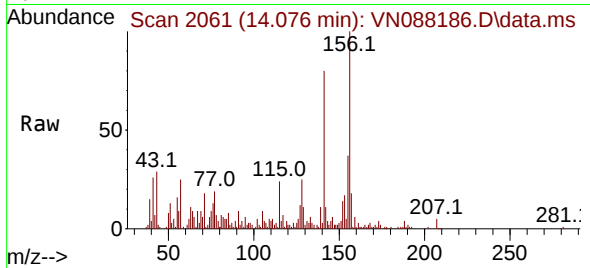




#91
1,2-Dichlorobenzene
Concen: 0.551 ug/l
RT: 14.076 min Scan# 2062
Delta R.T. -0.006 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

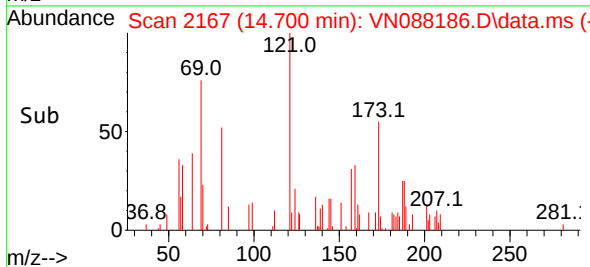
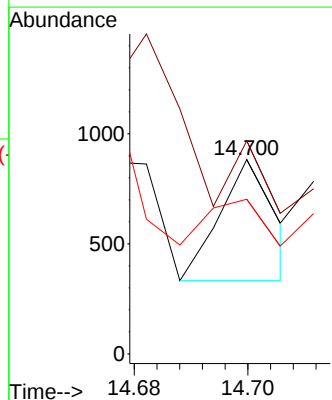
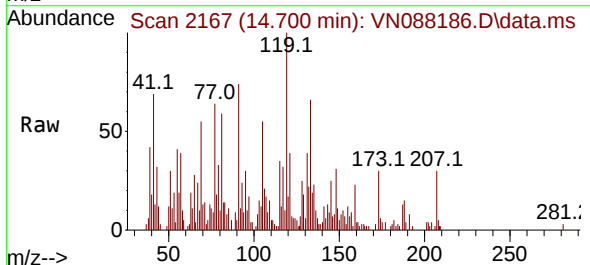
Instrument :
MSVOA_N
ClientSampleId :
P001-TW4-251023-01

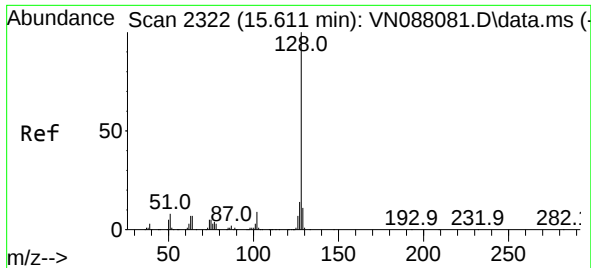
Tgt Ion:146 Resp: 4911
Ion Ratio Lower Upper
146 100
111 101.9 22.6 67.8#
148 51.9 31.9 95.9



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.238 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. -0.000 min
Lab File: VN088186.D
Acq: 31 Oct 2025 14:21

Tgt Ion: 75 Resp: 370
Ion Ratio Lower Upper
75 100
155 0.0 36.6 109.9#
157 0.0 45.6 136.9#





#95

Naphthalene

Concen: 19.848 ug/l

RT: 15.611 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN088186.D

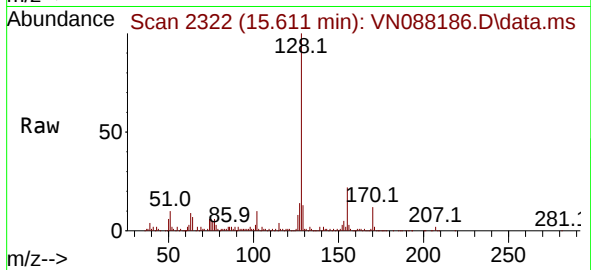
Acq: 31 Oct 2025 14:21

Instrument :

MSVOA_N

ClientSampleId :

P001-TW4-251023-01



Tgt Ion:128 Resp: 367044

Ion Ratio Lower Upper

128 100

127 15.3 10.6 15.8

129 13.1 8.6 12.8#

