

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087797.D
 Acq On : 11 Sep 2025 15:03
 Operator : JC\MD
 Sample : Q3078-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 250910074-01-VOA

Quant Time: Sep 12 02:53:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	209108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	464981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	450268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215998	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	211796	49.434	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.860%
35) Dibromofluoromethane	8.147	113	170897	50.905	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.820%
50) Toluene-d8	10.547	98	600032	47.753	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.500%
62) 4-Bromofluorobenzene	12.823	95	214630	48.031	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.060%

Target Compounds					Qvalue	
4) Vinyl Chloride	2.536	62	1782	0.504	ug/l	100
5) Bromomethane	2.983	94	423	0.232	ug/l	91
6) Chloroethane	3.142	64	1149	0.462	ug/l #	42
8) Diethyl Ether	3.965	74	14074	6.233	ug/l	88
10) Methyl Iodide	4.571	142	1068	7.231	ug/l #	38
11) Tert butyl alcohol	5.518	59	3321774	4466.041	ug/l	98
14) Allyl chloride	4.930	41	20693	3.788	ug/l #	27
15) Acrylonitrile	5.712	53	1421	0.677	ug/l #	55
16) Acetone	4.418	43	2516289	1078.896	ug/l	98
17) Carbon Disulfide	4.706	76	22297	2.686	ug/l	99
18) Methyl Acetate	5.018	43	11950	2.447	ug/l	96
19) Methyl tert-butyl Ether	5.783	73	19781	1.749	ug/l	97
20) Methylene Chloride	5.265	84	1325	Below Cal	#	81
21) trans-1,2-Dichloroethene	5.771	96	1046	0.320	ug/l #	57
23) Vinyl Acetate	6.600	43	2698	0.252	ug/l #	72
25) 2-Butanone	7.471	43	4007305	1305.988	ug/l	99
26) 2,2-Dichloropropane	7.424	77	139310	25.110	ug/l #	54
27) cis-1,2-Dichloroethene	7.483	96	3860	0.988	ug/l #	9
29) Tetrahydrofuran	7.824	42	835747	423.228	ug/l	99
31) Cyclohexane	8.206	56	6454	1.198	ug/l #	37
36) 1,1-Dichloropropene	8.441	75	1034	0.201	ug/l #	43
37) Ethyl Acetate	7.471	43	4007305	569.400	ug/l #	72
38) Carbon Tetrachloride	8.206	117	23748	4.670	ug/l #	17
39) Methylcyclohexane	9.577	83	1411	0.249	ug/l	85
40) Benzene	8.588	78	52062	3.296	ug/l	100
41) Methacrylonitrile	7.824	41	561455	154.010	ug/l #	47
42) 1,2-Dichloroethane	8.641	62	15594	2.569	ug/l	82
43) Isopropyl Acetate	8.647	43	20052	1.825	ug/l #	1
48) Methyl methacrylate	9.659	41	5767	1.110	ug/l #	69
49) 1,4-Dioxane	9.682	88	5161	76.614	ug/l #	93
51) 4-Methyl-2-Pentanone	10.429	43	88890	13.408	ug/l	93
52) Toluene	10.606	92	71167	7.267	ug/l	93
59) 2-Hexanone	11.041	43	21569	5.148	ug/l	72
65) Chlorobenzene	11.865	112	13852	1.237	ug/l #	82
67) Ethyl Benzene	11.941	91	129354	6.669	ug/l	99
68) m/p-Xylenes	12.047	106	44673	6.280	ug/l	100

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

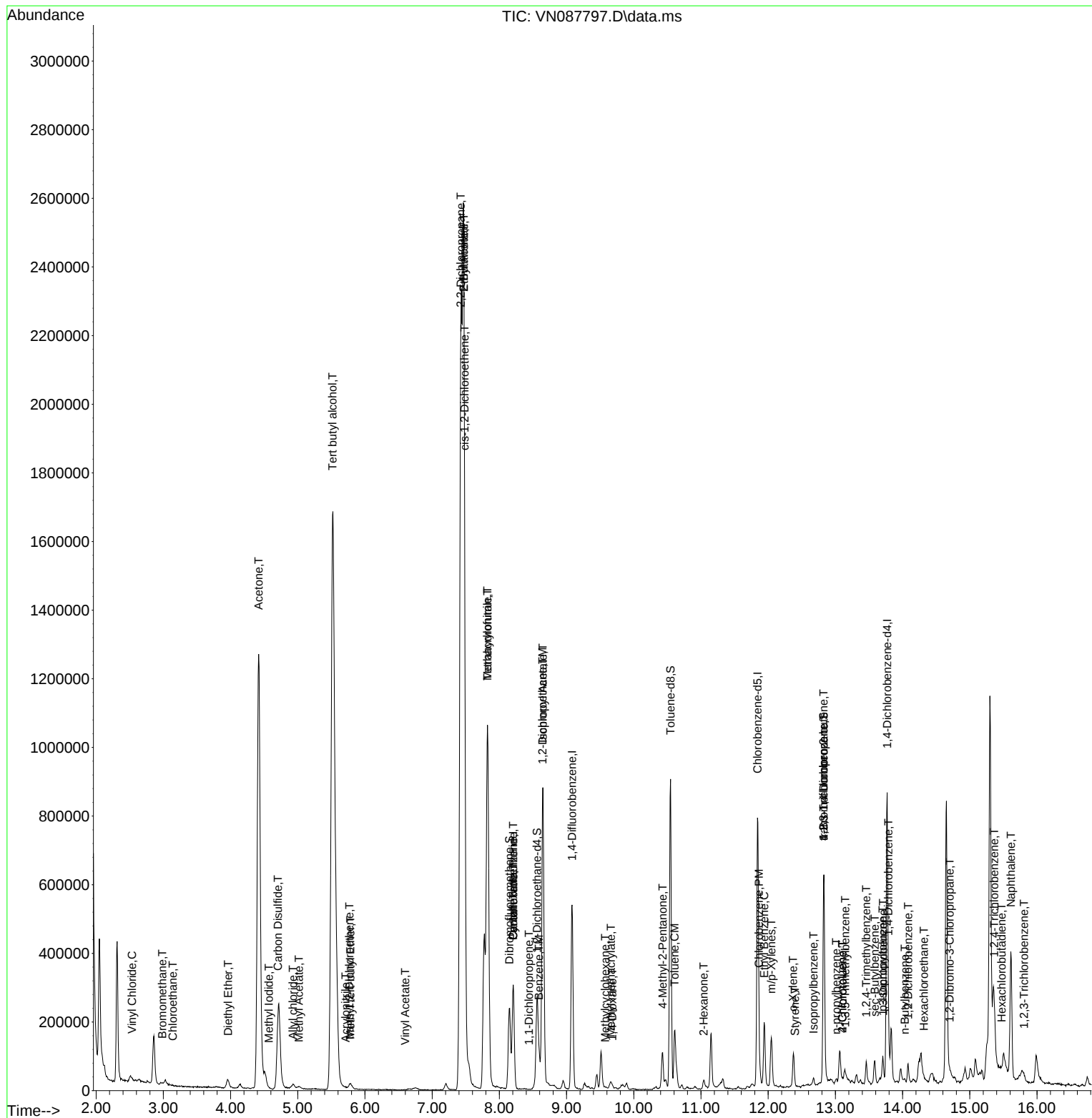
69) o-Xylene	12.371	106	25442	3.650	ug/l	96
70) Styrene	12.400	104	4754	0.407	ug/l #	3
73) Isopropylbenzene	12.676	105	13615	0.780	ug/l	96
76) 1,2,3-Trichloropropane	12.823	75	121415	23.970	ug/l #	1
78) n-propylbenzene	13.012	91	11580	0.539	ug/l	99
79) 2-Chlorotoluene	13.106	91	7166	0.554	ug/l	85
80) 1,3,5-Trimethylbenzene	13.147	105	11741	0.793	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.823	75	121415	63.458	ug/l #	1
82) 4-Chlorotoluene	13.106	91	5586	0.411	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	36005	2.429	ug/l	96
85) sec-Butylbenzene	13.588	105	5439	0.297	ug/l	82
86) p-Isopropyltoluene	13.706	119	35295	2.334	ug/l	93
87) 1,3-Dichlorobenzene	13.712	146	2004	0.247	ug/l	94
88) 1,4-Dichlorobenzene	13.788	146	31704	3.759	ug/l	92
89) n-Butylbenzene	14.035	91	5363	0.357	ug/l	84
90) Hexachloroethane	14.317	117	1513	0.525	ug/l #	33
91) 1,2-Dichlorobenzene	14.082	146	4013	0.522	ug/l #	82
92) 1,2-Dibromo-3-Chloropr...	14.700	75	696	0.488	ug/l #	8
93) 1,2,4-Trichlorobenzene	15.364	180	3424	0.742	ug/l	92
94) Hexachlorobutadiene	15.476	225	1767	1.074	ug/l	91
95) Naphthalene	15.611	128	338258	20.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.806	180	2860	0.634	ug/l	93

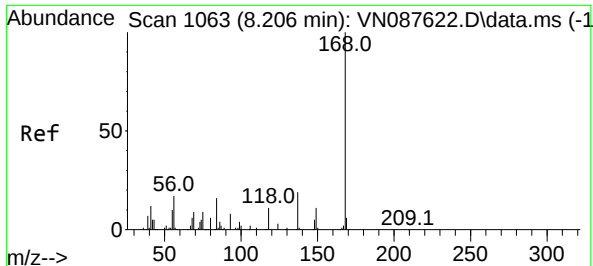
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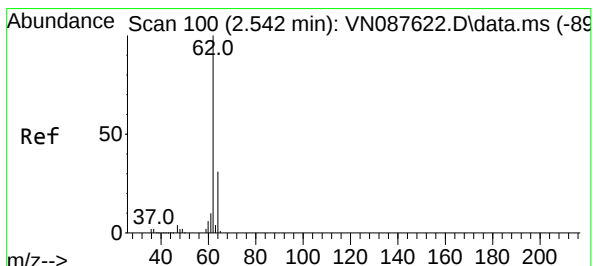
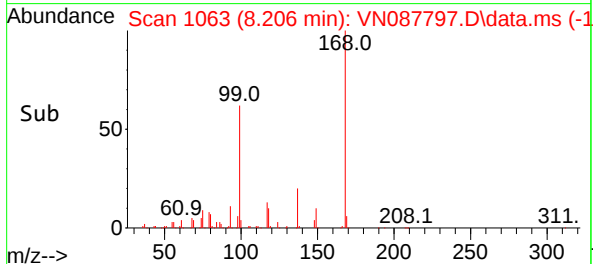
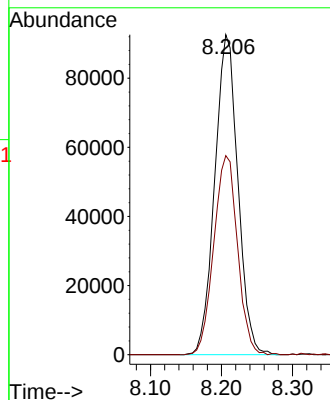
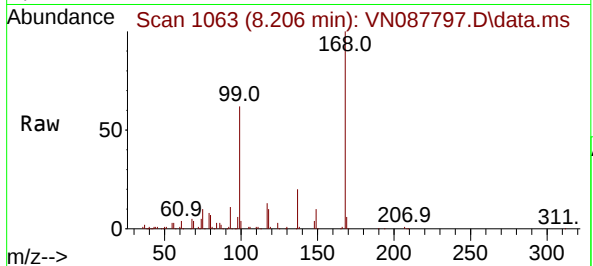




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

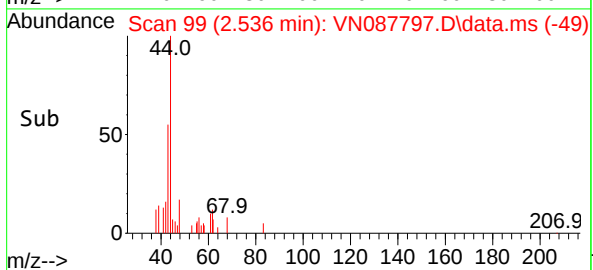
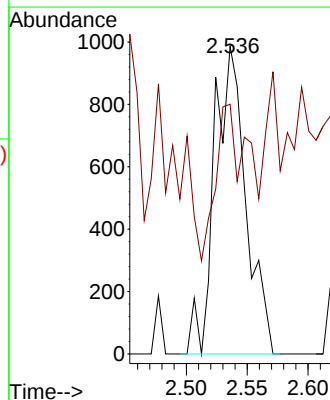
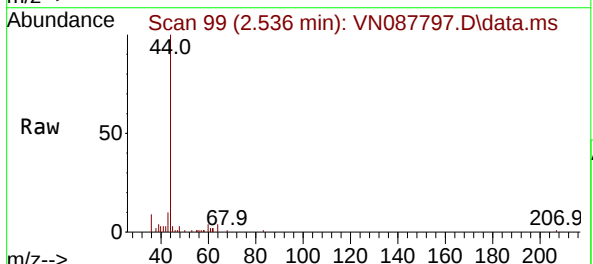
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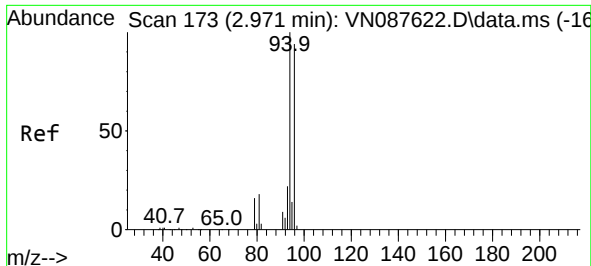
Tgt Ion:168 Resp: 209108
Ion Ratio Lower Upper
168 100
99 62.2 57.2 85.8



#4
Vinyl Chloride
Concen: 0.504 ug/l
RT: 2.536 min Scan# 99
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 62 Resp: 1782
Ion Ratio Lower Upper
62 100
64 30.9 24.6 37.0

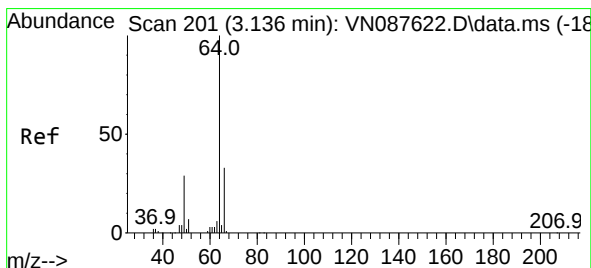
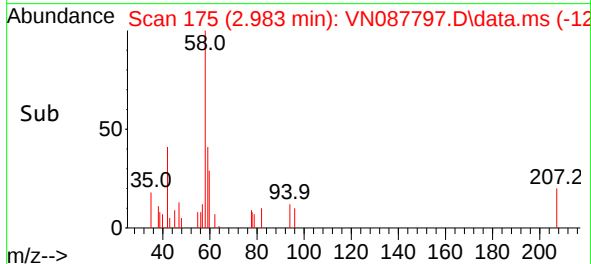
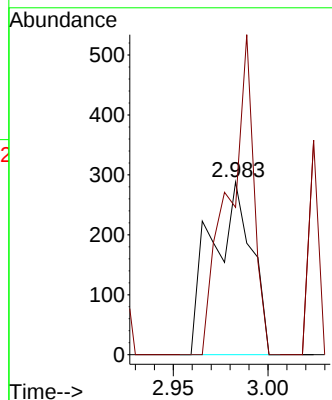
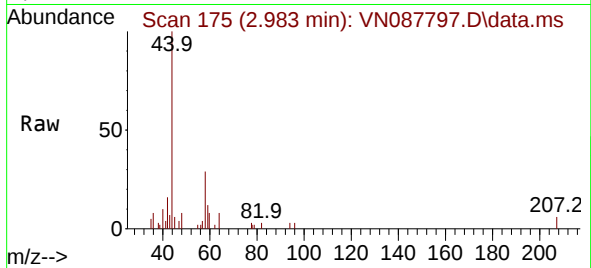




#5
Bromomethane
Concen: 0.232 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

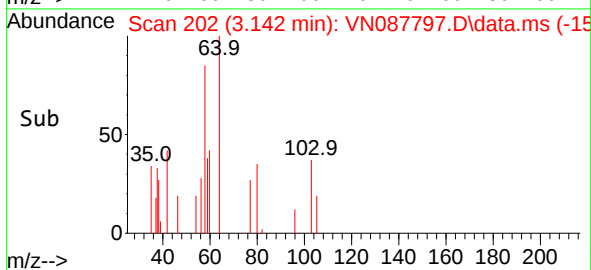
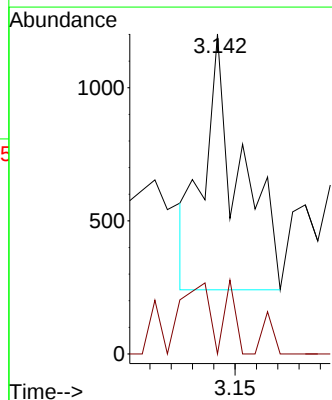
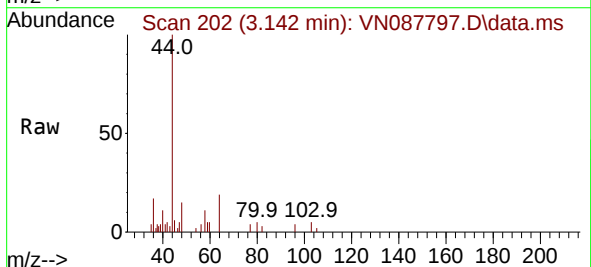
Instrument :
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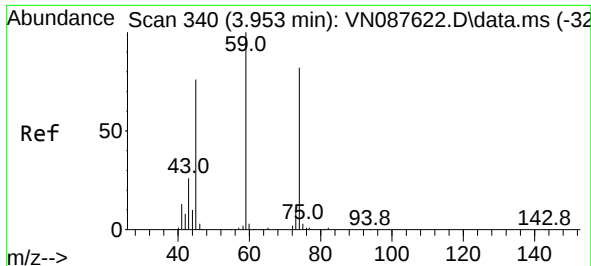
Tgt Ion: 94 Resp: 423
Ion Ratio Lower Upper
94 100
96 85.4 75.4 113.2



#6
Chloroethane
Concen: 0.462 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 64 Resp: 1149
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.2#





#8

Diethyl Ether

Concen: 6.233 ug/l

RT: 3.965 min Scan# 340

Delta R.T. 0.012 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

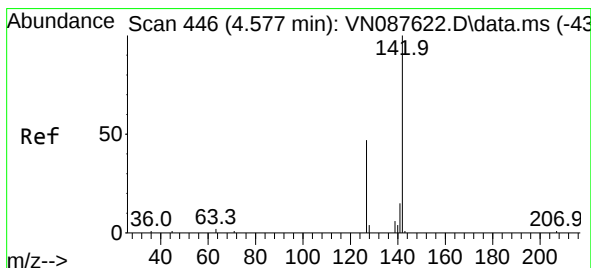
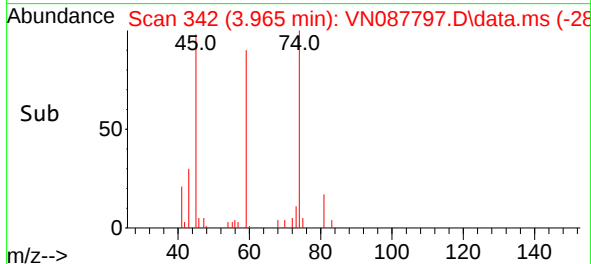
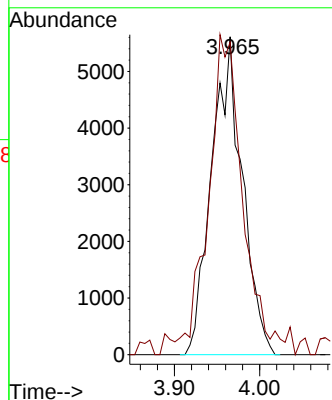
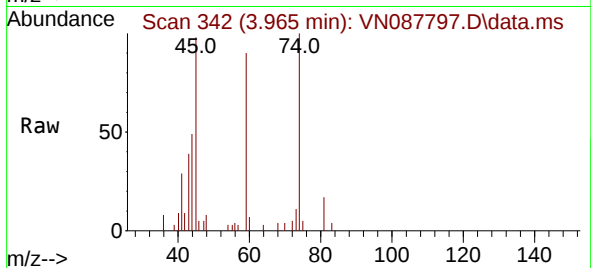
250910074-01-VOA

Tgt Ion: 74 Resp: 14074

Ion Ratio Lower Upper

74 100

45 113.8 50.6 151.9



#10

Methyl Iodide

Concen: 7.231 ug/l

RT: 4.571 min Scan# 445

Delta R.T. -0.006 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

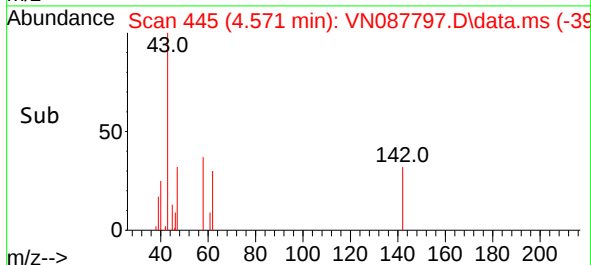
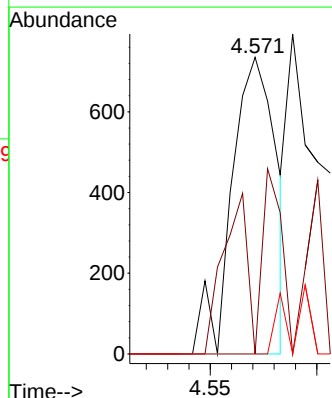
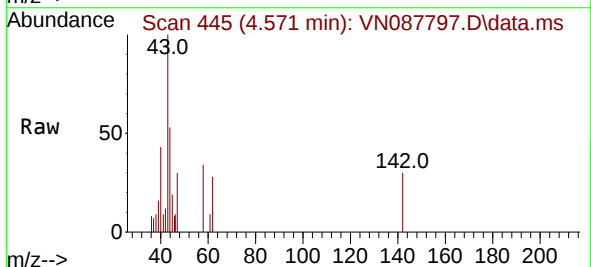
Tgt Ion: 142 Resp: 1068

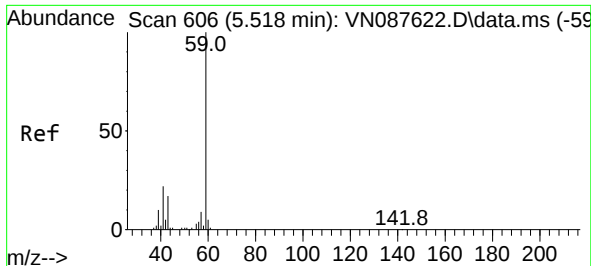
Ion Ratio Lower Upper

142 100

127 0.0 38.0 57.0#

141 0.0 12.0 18.0#

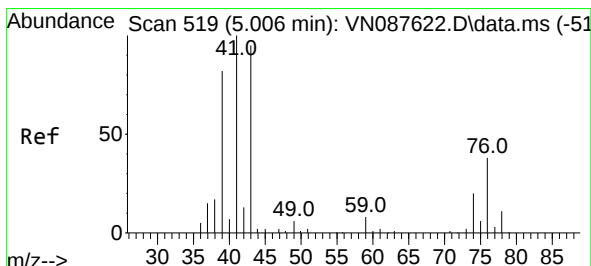
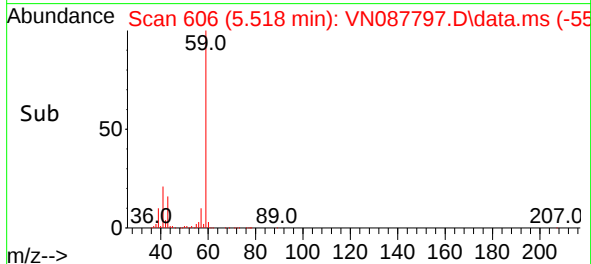
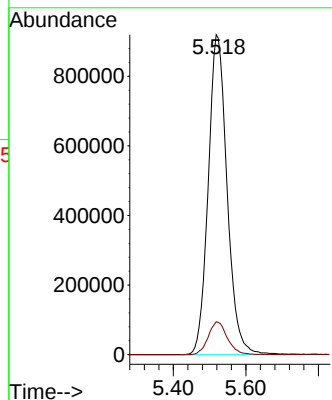
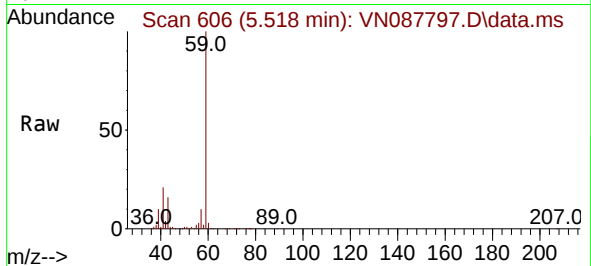




#11
Tert butyl alcohol
Concen: 4466.041 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN087797.D
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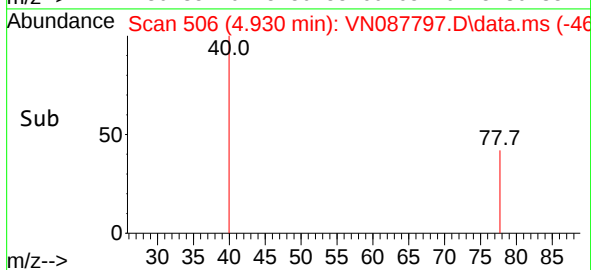
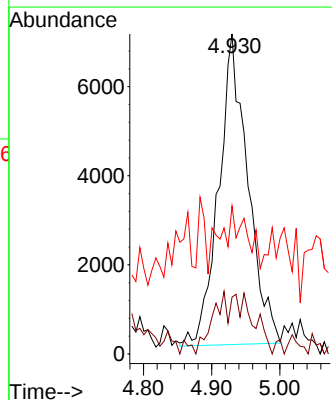
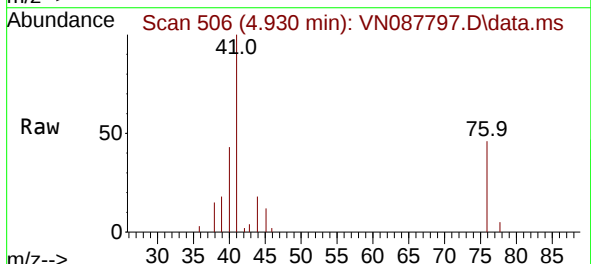
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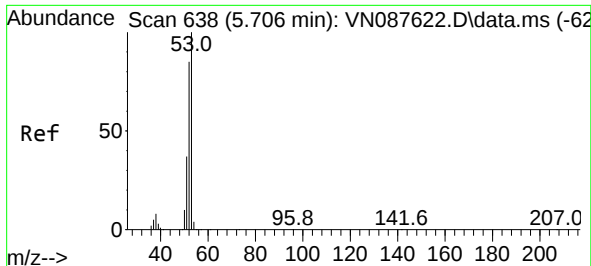
Tgt Ion: 59 Resp: 3321774
Ion Ratio Lower Upper
59 100
57 10.5 9.0 13.4



#14
Allyl chloride
Concen: 3.788 ug/l
RT: 4.930 min Scan# 506
Delta R.T. -0.077 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 41 Resp: 20693
Ion Ratio Lower Upper
41 100
39 10.5 63.9 95.9#
76 0.0 28.1 42.1#

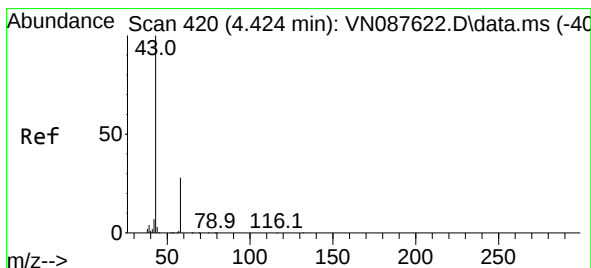
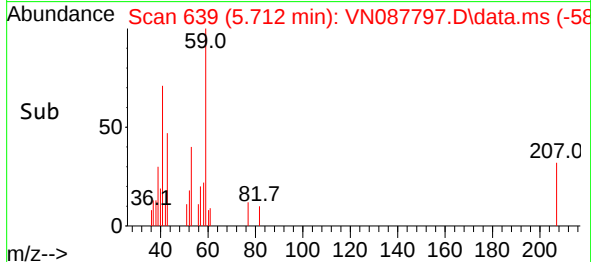
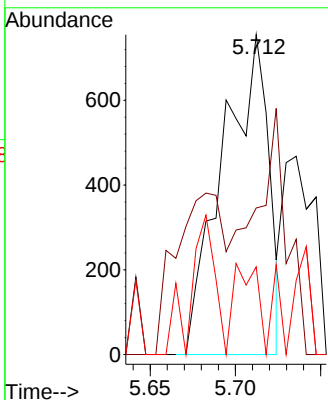
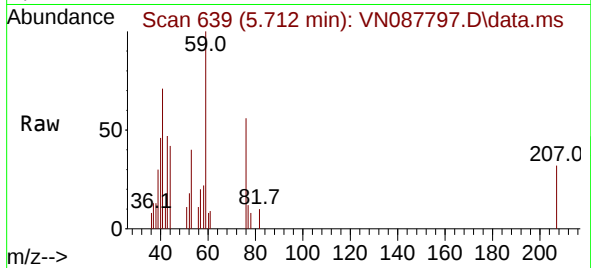




#15
Acrylonitrile
Concen: 0.677 ug/l
RT: 5.712 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN087797.D
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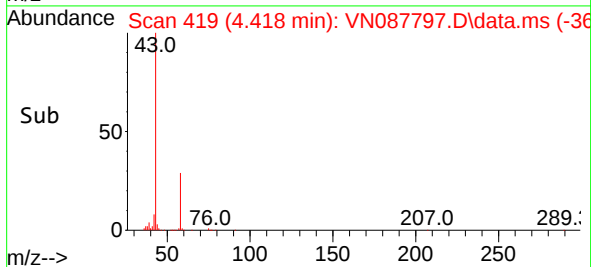
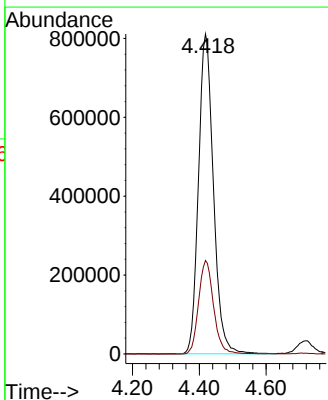
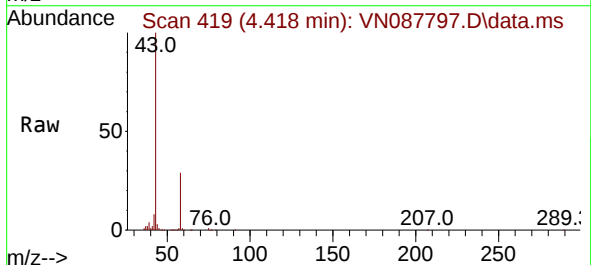
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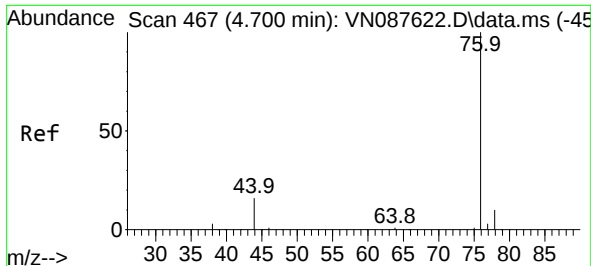
Tgt Ion: 53 Resp: 1421
Ion Ratio Lower Upper
53 100
52 51.3 67.6 101.4#
51 0.0 30.1 45.1#



#16
Acetone
Concen: 1078.896 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 2516289
Ion Ratio Lower Upper
43 100
58 29.2 22.6 33.8

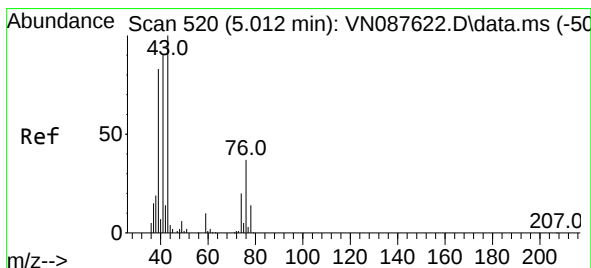
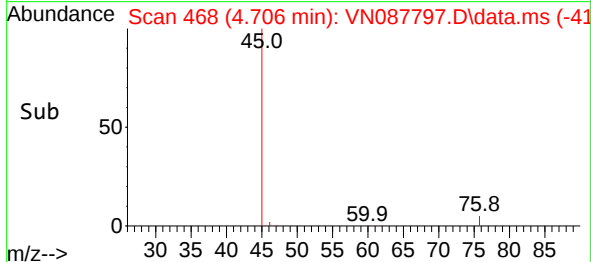
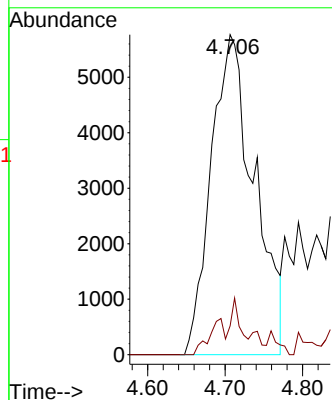
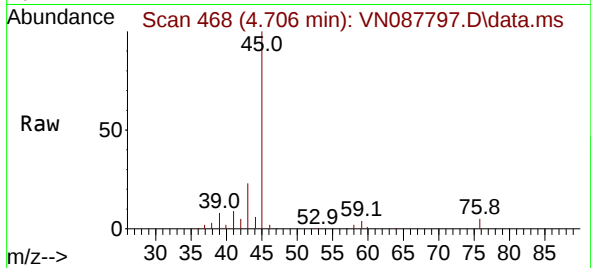




#17
Carbon Disulfide
Concen: 2.686 ug/l
RT: 4.706 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

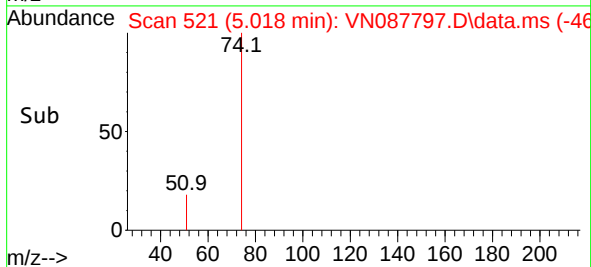
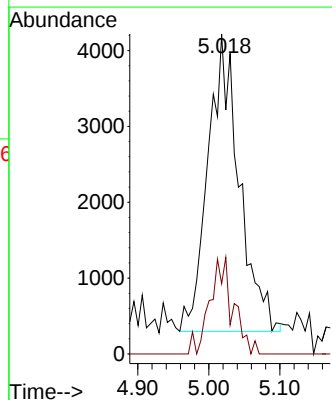
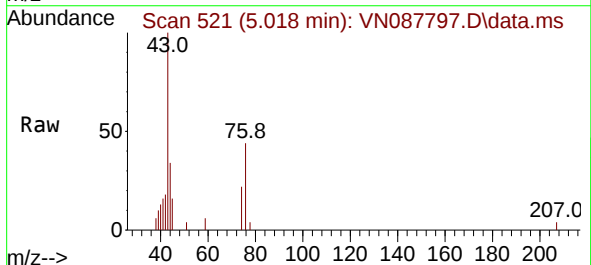
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

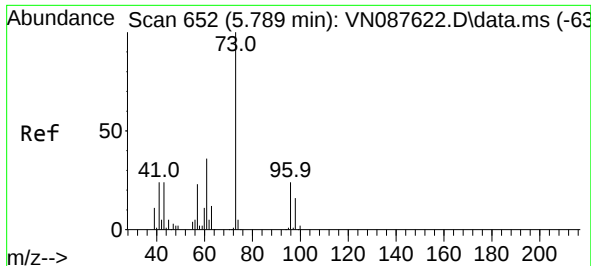
Tgt Ion: 76 Resp: 22297
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4



#18
Methyl Acetate
Concen: 2.447 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 11950
Ion Ratio Lower Upper
43 100
74 24.1 17.6 26.4

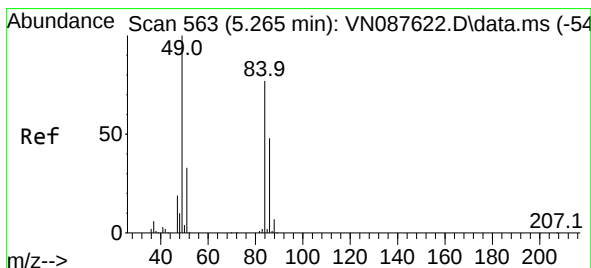
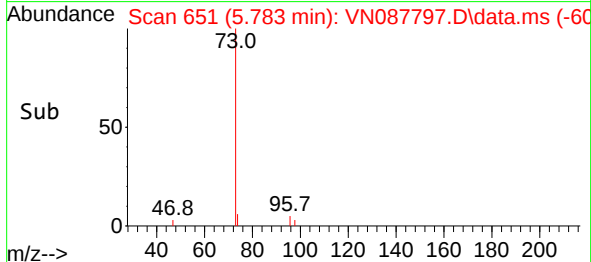
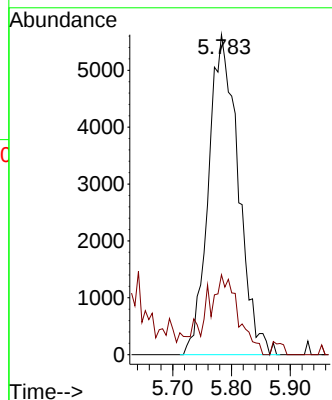
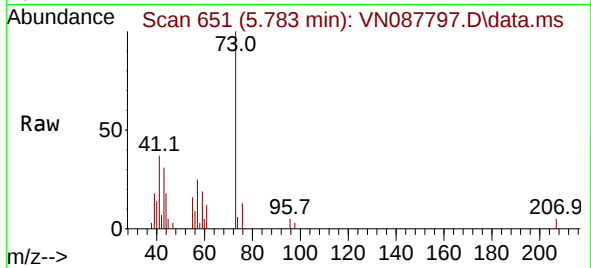




#19
Methyl tert-butyl Ether
Concen: 1.749 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

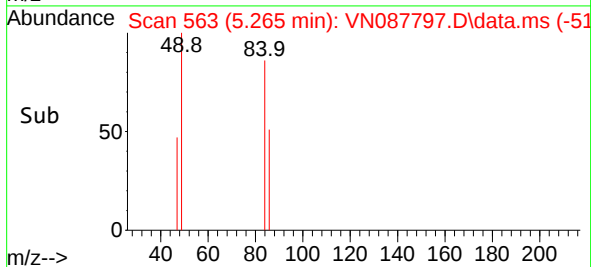
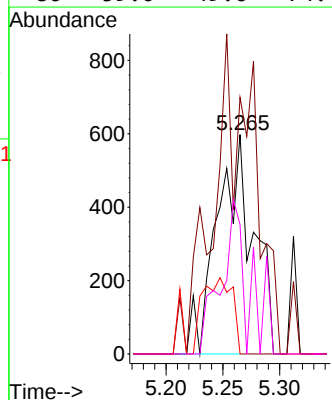
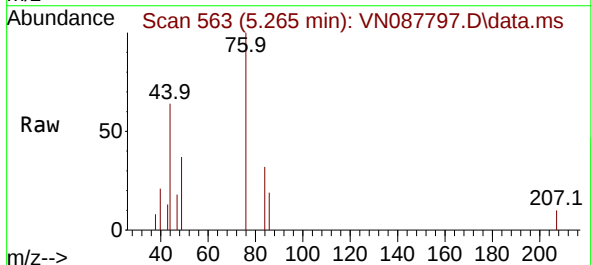
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

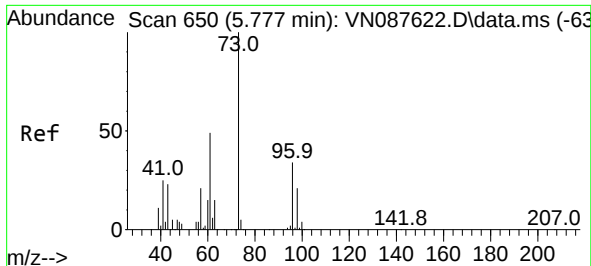
Tgt Ion: 73 Resp: 19781
Ion Ratio Lower Upper
73 100
57 21.4 18.4 27.6



#20
Methylene Chloride
Concen: Below Cal
RT: 5.265 min Scan# 563
Delta R.T. 0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 84 Resp: 1325
Ion Ratio Lower Upper
84 100
49 116.9 103.4 155.2
51 0.0 33.8 50.8#
86 59.0 49.6 74.4

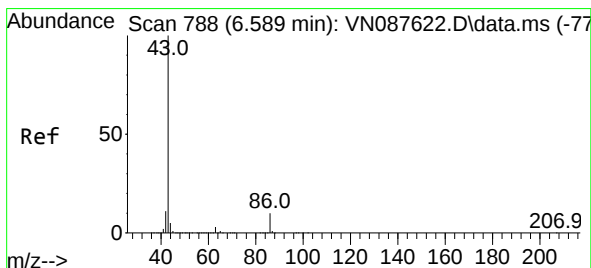
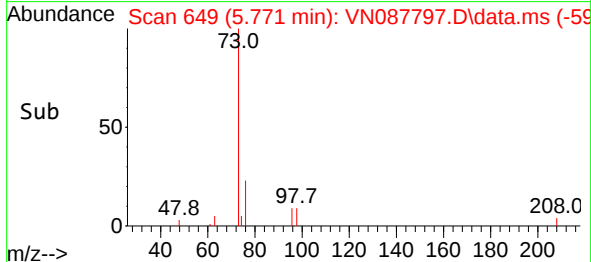
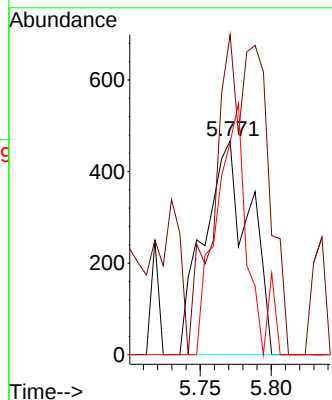
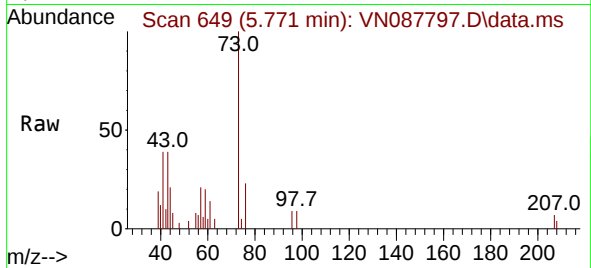




#21
trans-1,2-Dichloroethene
Concen: 0.320 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

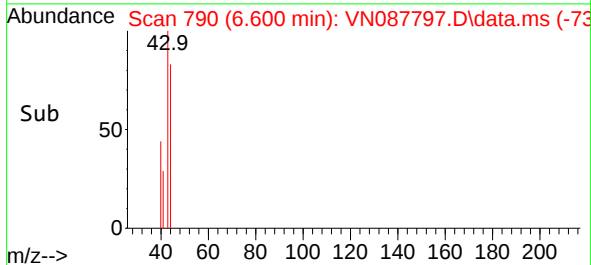
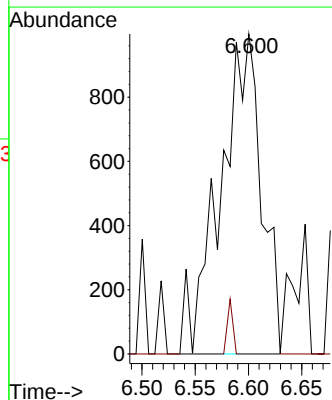
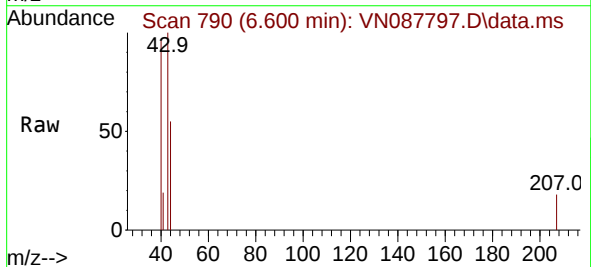
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

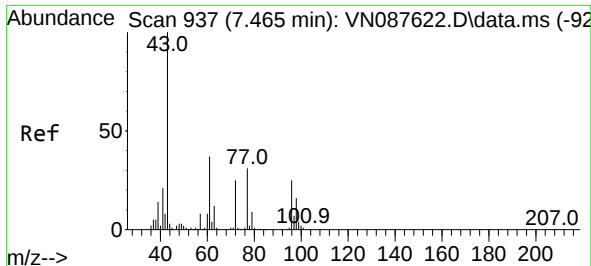
Tgt Ion: 96 Resp: 1046
Ion Ratio Lower Upper
96 100
61 95.5 118.0 177.0#
98 99.1 50.0 75.0#



#23
Vinyl Acetate
Concen: 0.252 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.012 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 2698
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

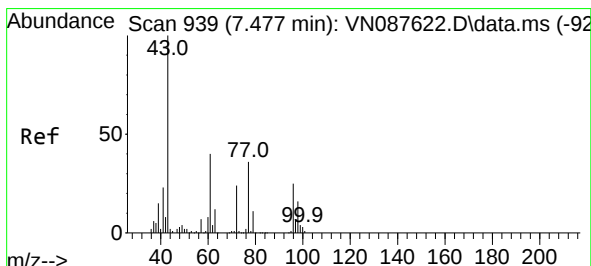
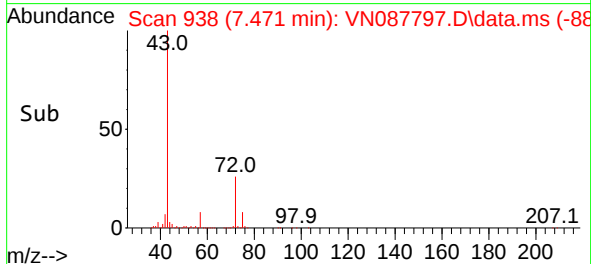
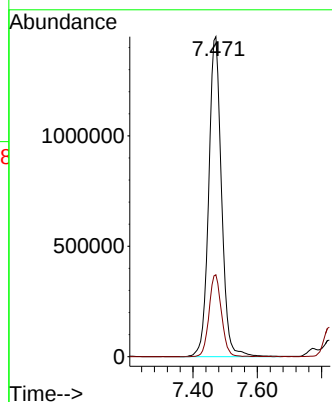
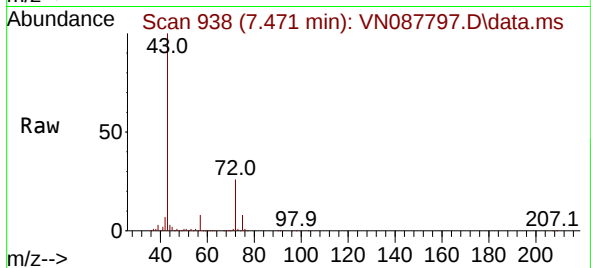




#25
2-Butanone
Concen: 1305.988 ug/l
RT: 7.471 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

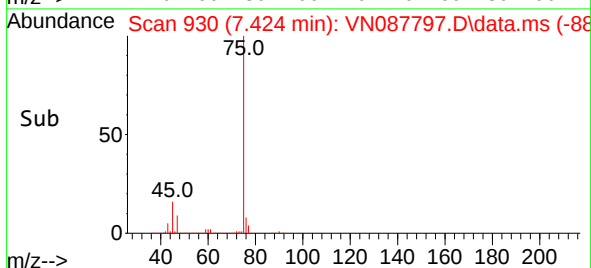
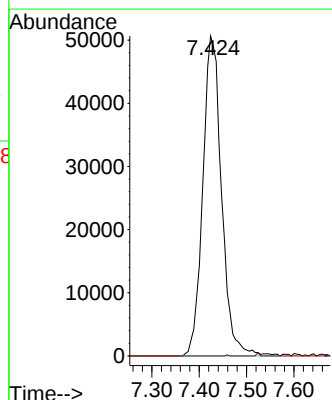
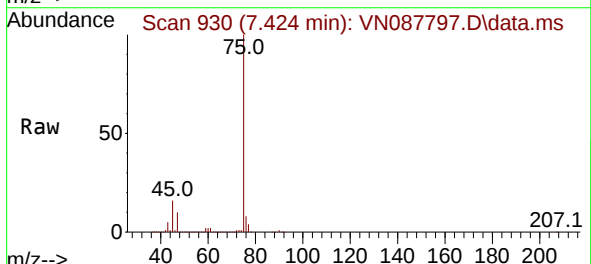
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

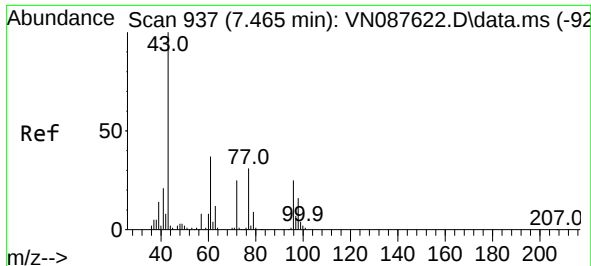
Tgt Ion: 43 Resp: 4007305
Ion Ratio Lower Upper
43 100
72 25.6 19.9 29.9



#26
2,2-Dichloropropane
Concen: 25.110 ug/l
RT: 7.424 min Scan# 930
Delta R.T. -0.053 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

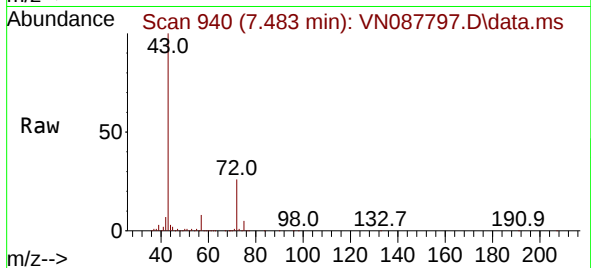
Tgt Ion: 77 Resp: 139310
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.7#



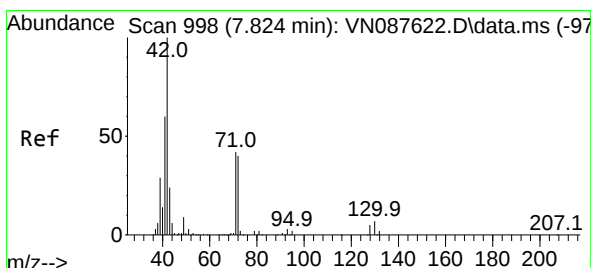
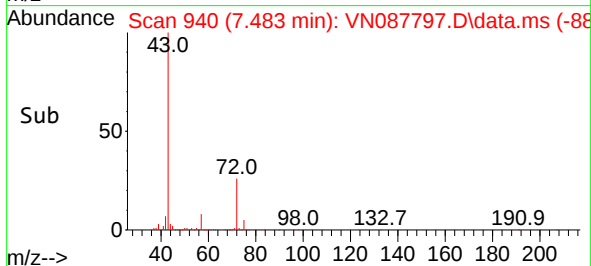
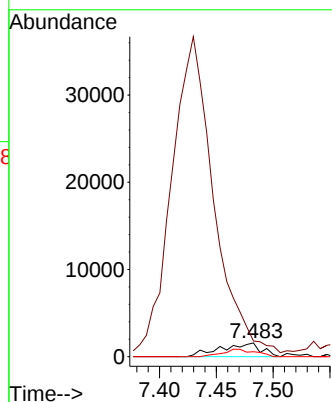


#27
 cis-1,2-Dichloroethene
 Concen: 0.988 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. 0.018 min
 Lab File: VN087797.D
 Acq: 11 Sep 2025 15:03

Instrument :
 MSVOA_N
 ClientSampleId :
 250910074-01-VOA

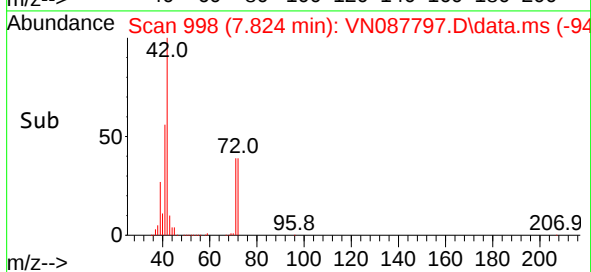
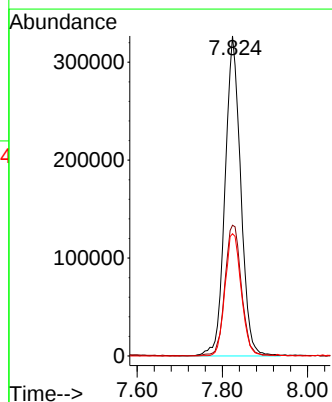
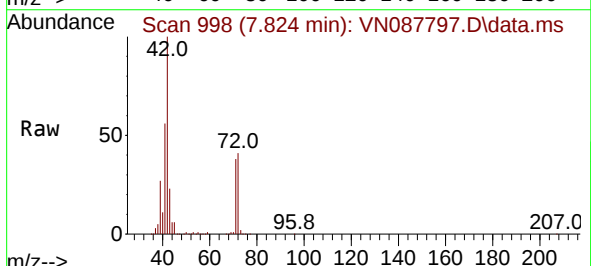


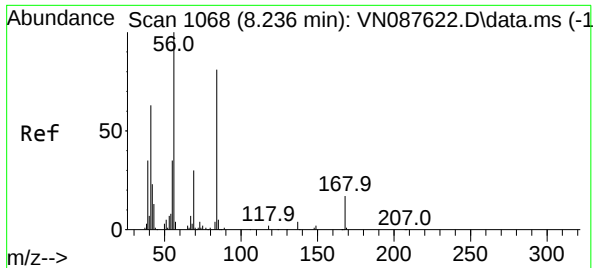
Tgt Ion: 96 Resp: 3860
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 301.8
 98 43.9 0.0 126.2



#29
 Tetrahydrofuran
 Concen: 423.228 ug/l
 RT: 7.824 min Scan# 998
 Delta R.T. -0.000 min
 Lab File: VN087797.D
 Acq: 11 Sep 2025 15:03

Tgt Ion: 42 Resp: 835747
 Ion Ratio Lower Upper
 42 100
 72 43.0 33.7 50.5
 71 39.5 31.9 47.9

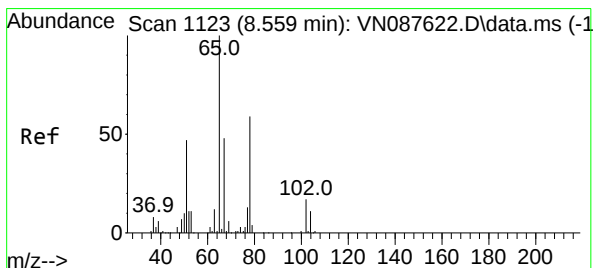
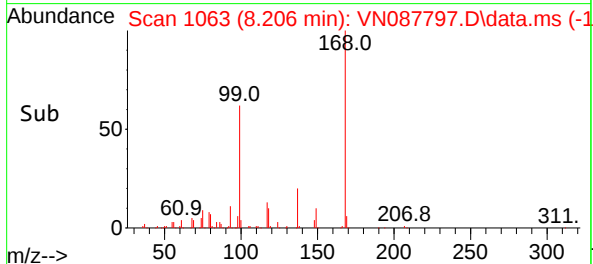
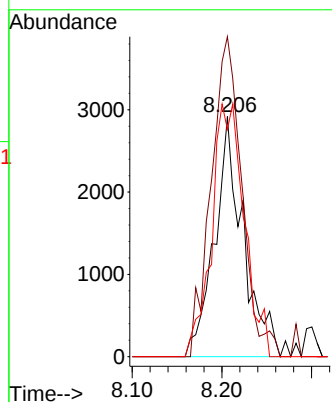
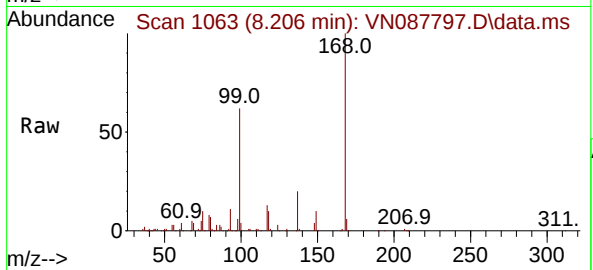




#31
Cyclohexane
Concen: 1.198 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

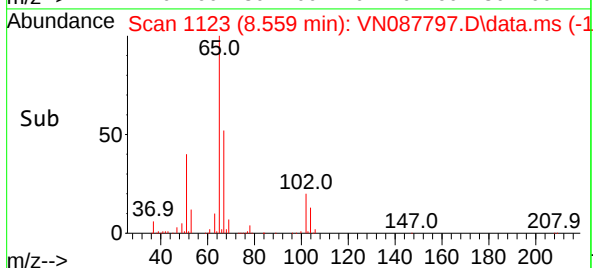
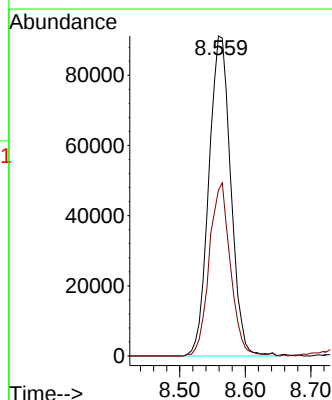
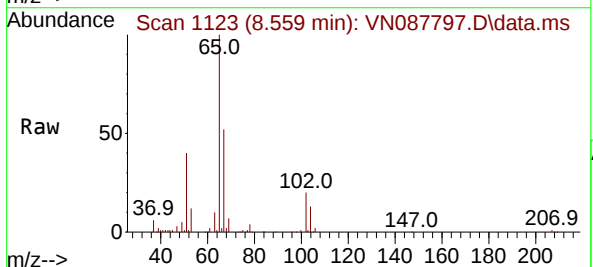
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

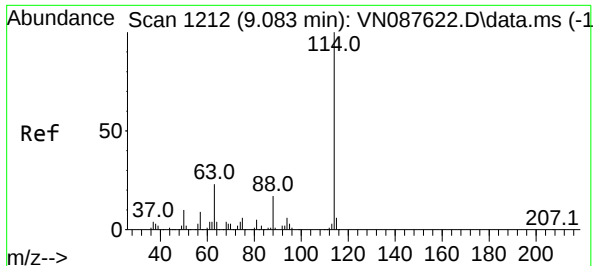
Tgt Ion: 56 Resp: 6454
Ion Ratio Lower Upper
56 100
69 133.3 23.7 35.5#
84 94.7 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 49.434 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 65 Resp: 211796
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.0

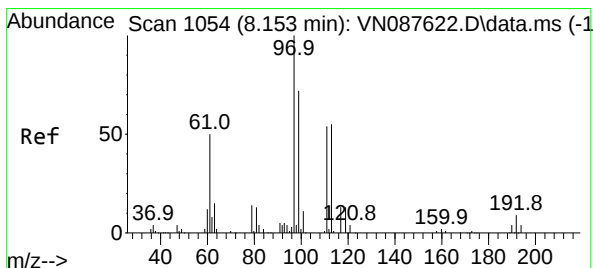
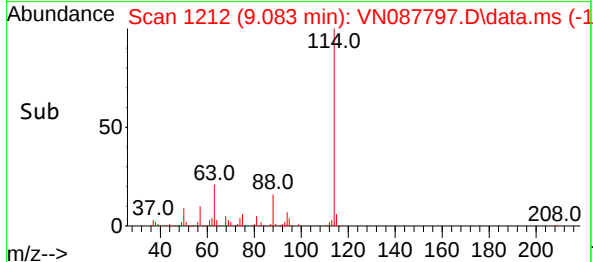
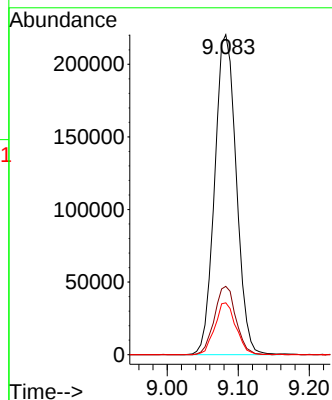
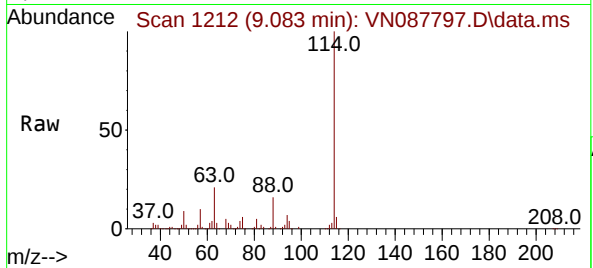




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

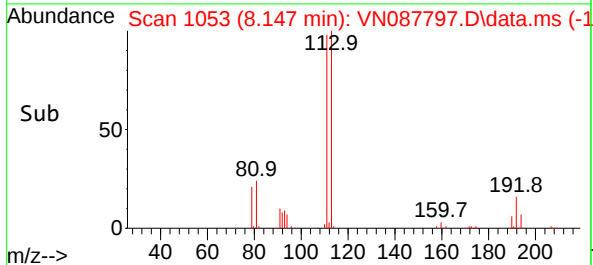
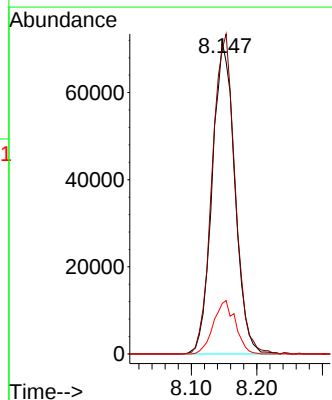
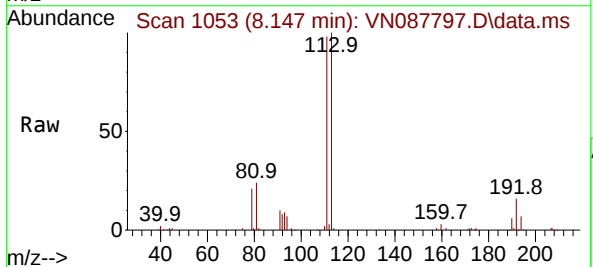
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

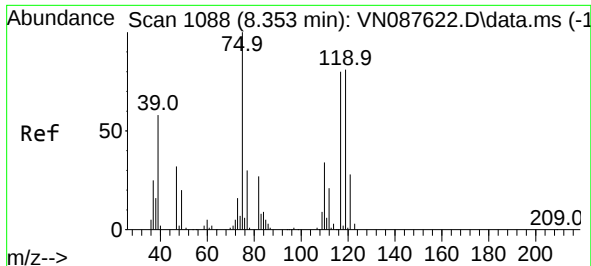
Tgt Ion:	114	Resp:	464981
Ion Ratio	Lower	Upper	
114	100		
63	21.4	0.0	45.2
88	16.2	0.0	33.4



#35
Dibromofluoromethane
Concen: 50.905 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion:	113	Resp:	170897
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.8	124.2
192	16.7	12.8	19.2





#36

1,1-Dichloropropene

Concen: 0.201 ug/l

RT: 8.441 min Scan# 1103

Delta R.T. 0.088 min

Lab File: VN087797.D

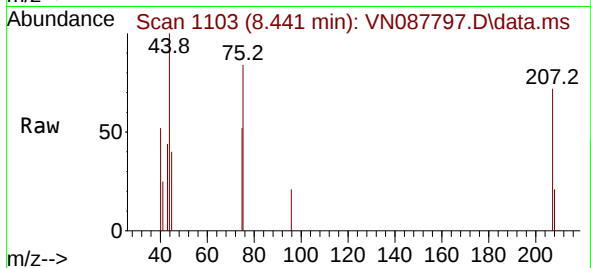
Acq: 11 Sep 2025 15:03

Instrument :

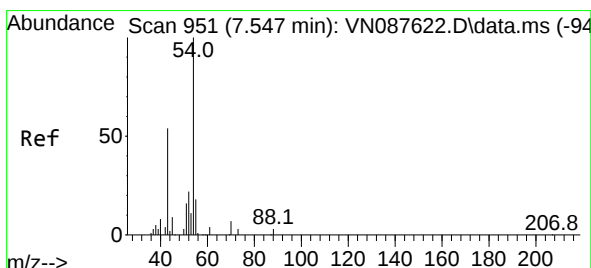
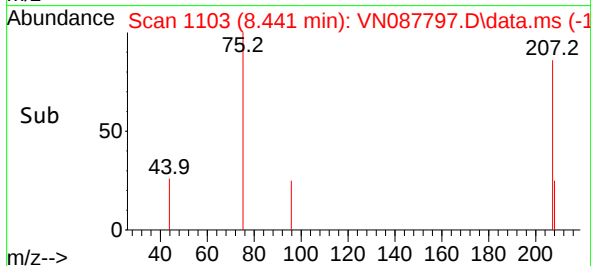
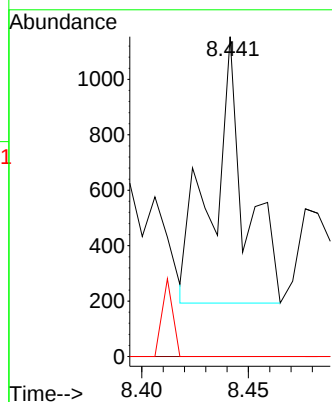
MSVOA_N

ClientSampleId :

250910074-01-VOA



Tgt Ion:	75	Resp:	1034
Ion	Ratio	Lower	Upper
75	100		
110	0.0	15.9	47.6#
77	0.0	24.4	36.6#



#37

Ethyl Acetate

Concen: 569.400 ug/l

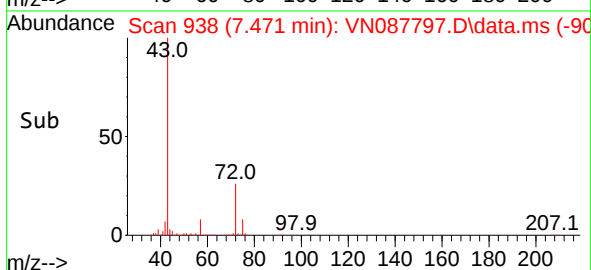
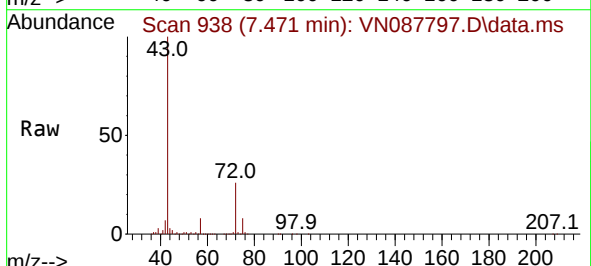
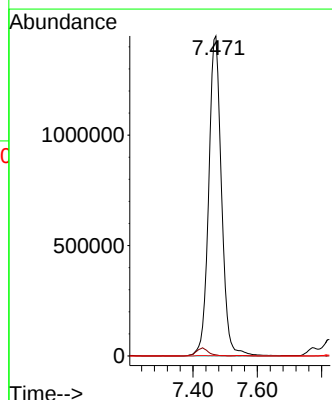
RT: 7.471 min Scan# 938

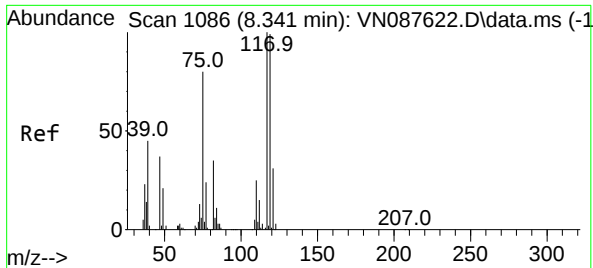
Delta R.T. -0.077 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

Tgt Ion:	43	Resp:	4007305
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.3	13.9#
70	0.0	7.0	10.6#

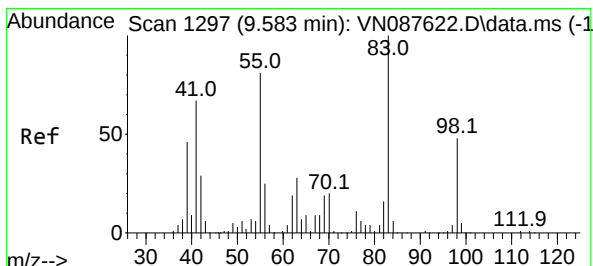
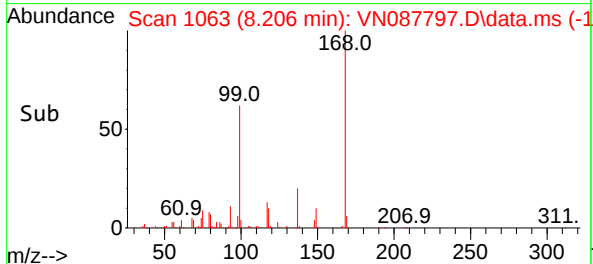
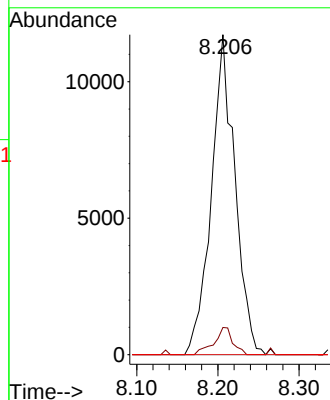
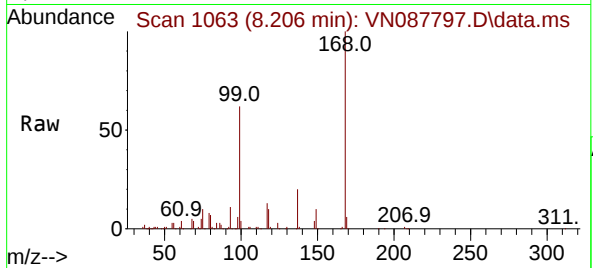




#38
Carbon Tetrachloride
Concen: 4.670 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.135 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

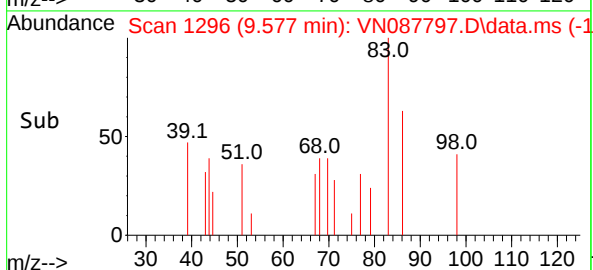
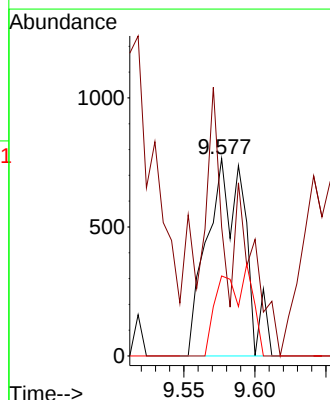
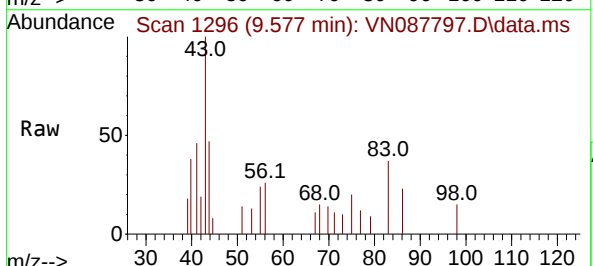
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

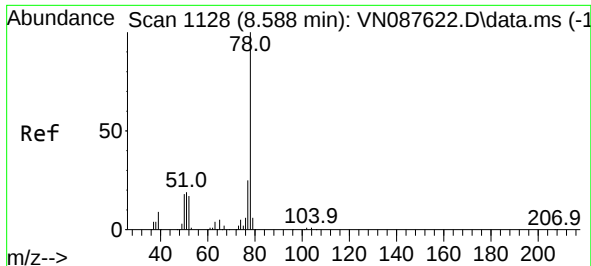
Tgt Ion:117 Resp: 23748
Ion Ratio Lower Upper
117 100
119 8.5 79.0 118.6#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 0.249 ug/l
RT: 9.577 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 83 Resp: 1411
Ion Ratio Lower Upper
83 100
55 65.4 64.6 96.8
98 40.5 38.4 57.6





#40

Benzene

Concen: 3.296 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

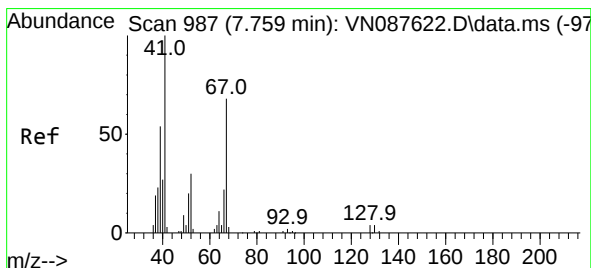
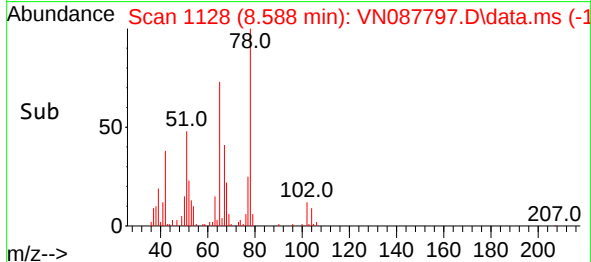
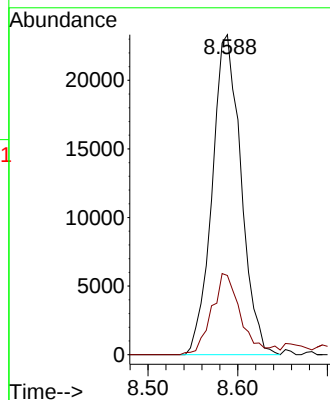
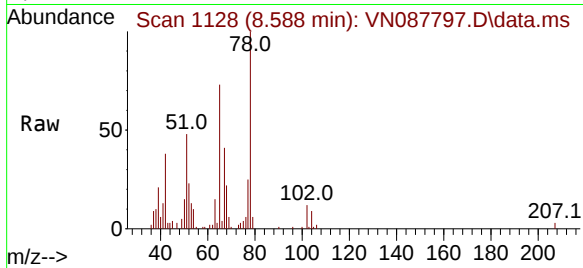
250910074-01-VOA

Tgt Ion: 78 Resp: 52062

Ion Ratio Lower Upper

78 100

77 24.7 19.7 29.5



#41

Methacrylonitrile

Concen: 154.010 ug/l

RT: 7.824 min Scan# 998

Delta R.T. 0.065 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

Tgt Ion: 41 Resp: 561455

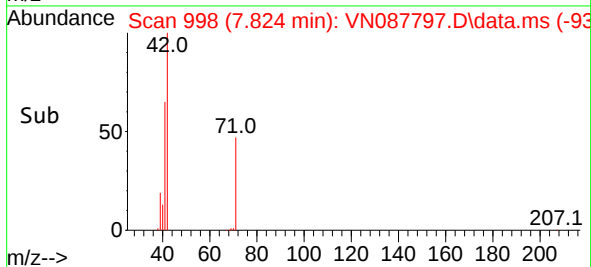
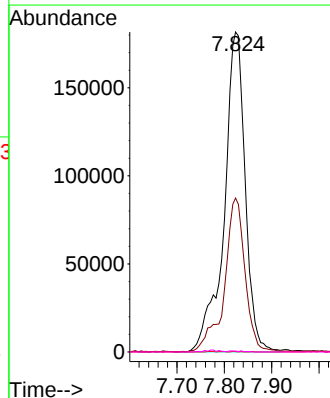
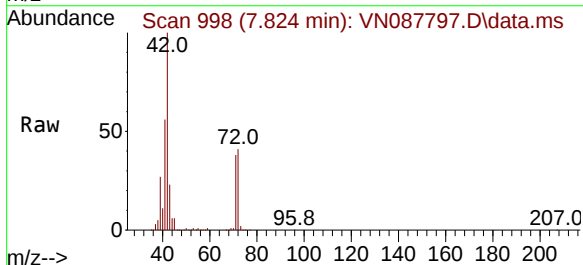
Ion Ratio Lower Upper

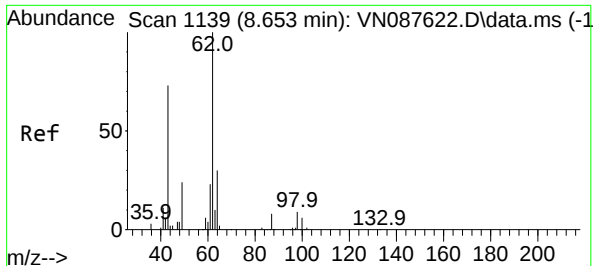
41 100

39 46.8 45.4 68.0

67 0.0 55.3 82.9#

52 0.1 24.5 36.7#

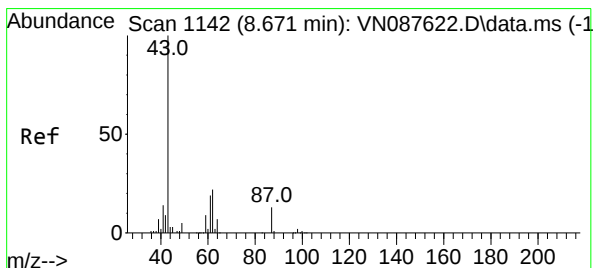
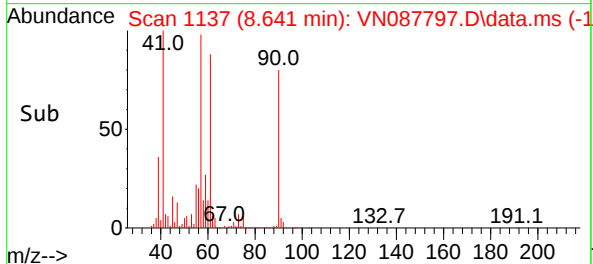
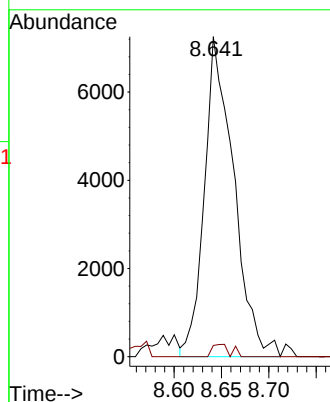
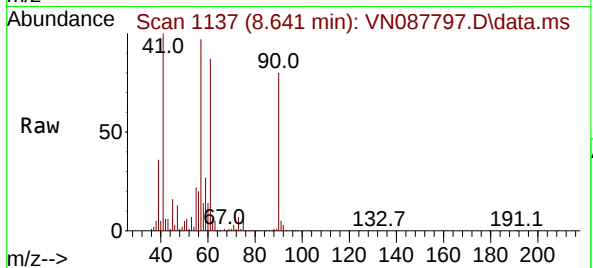




#42
1,2-Dichloroethane
Concen: 2.569 ug/l
RT: 8.641 min Scan# 1137
Delta R.T. -0.012 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

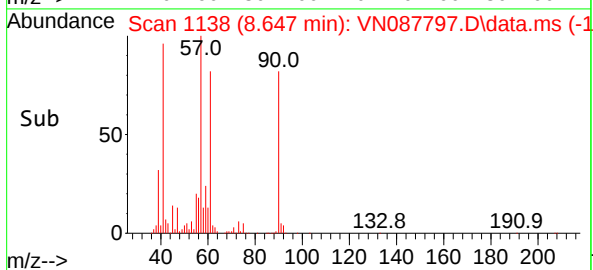
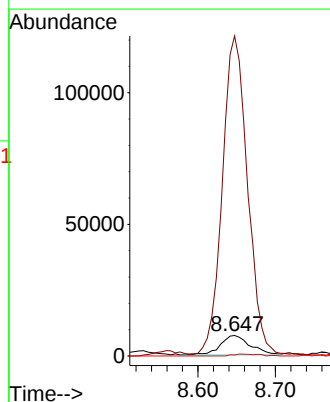
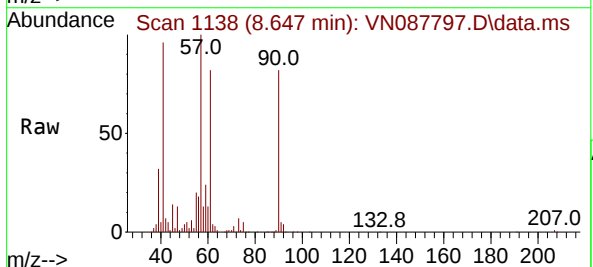
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

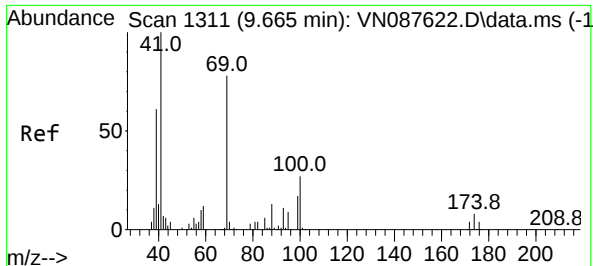
Tgt Ion: 62 Resp: 15594
Ion Ratio Lower Upper
62 100
98 2.4 0.0 17.4



#43
Isopropyl Acetate
Concen: 1.825 ug/l
RT: 8.647 min Scan# 1138
Delta R.T. -0.024 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 20052
Ion Ratio Lower Upper
43 100
61 1378.4 18.8 28.2#
87 8.4 9.6 14.4#

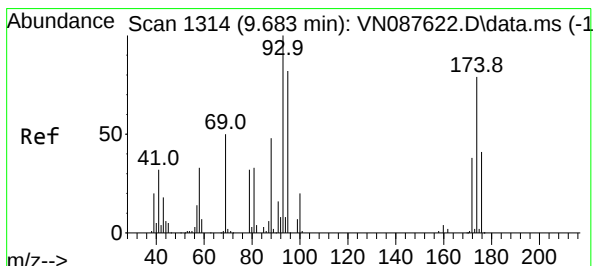
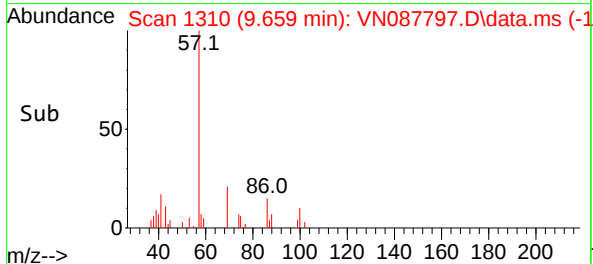
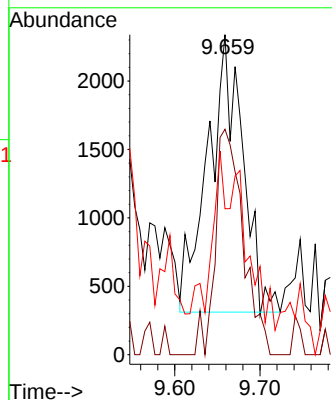
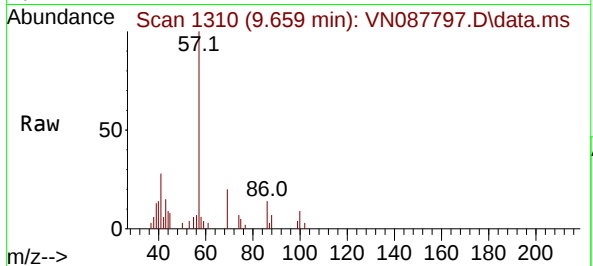




#48
Methyl methacrylate
Concen: 1.110 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

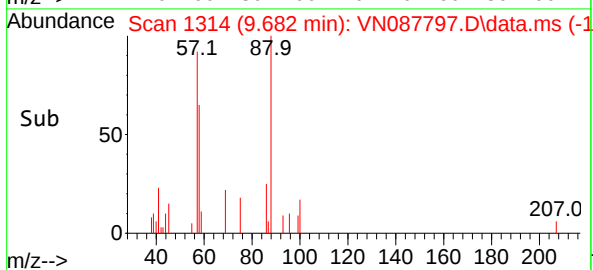
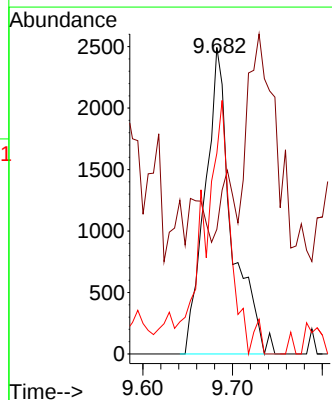
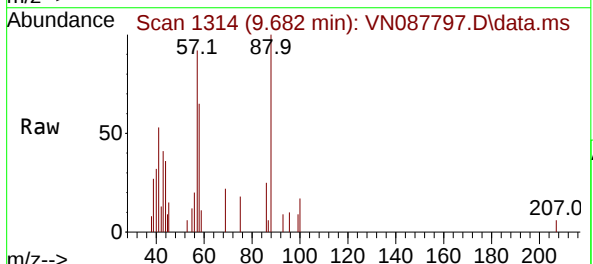
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

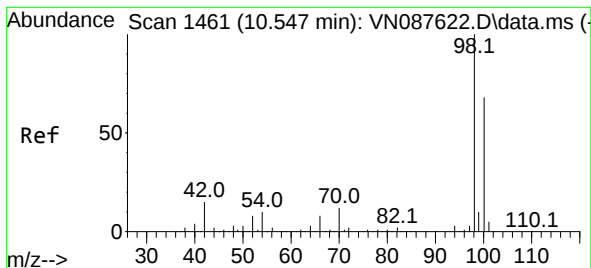
Tgt Ion: 41 Resp: 5767
Ion Ratio Lower Upper
41 100
69 64.7 62.7 94.1
39 26.4 52.9 79.3#



#49
1,4-Dioxane
Concen: 76.614 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 88 Resp: 5161
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 78.6 57.9 86.9

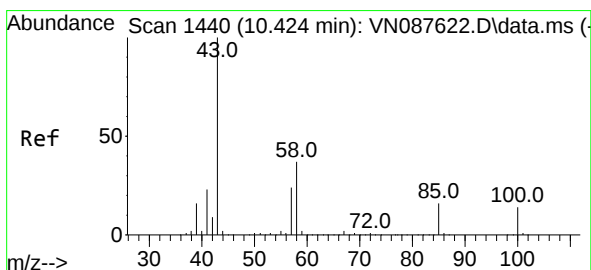
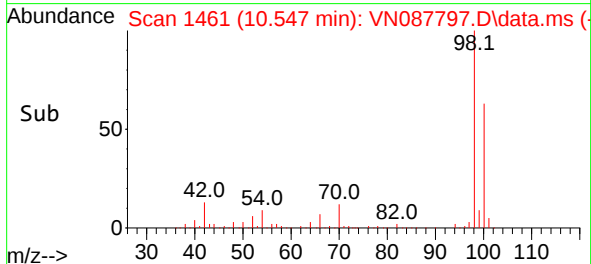
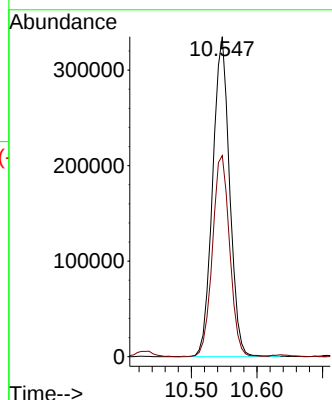
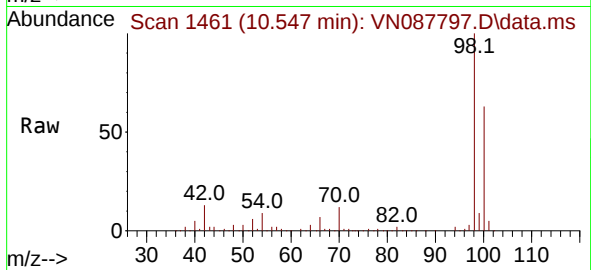




#50
Toluene-d8
Concen: 47.753 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

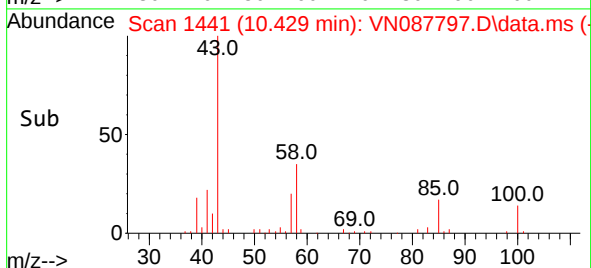
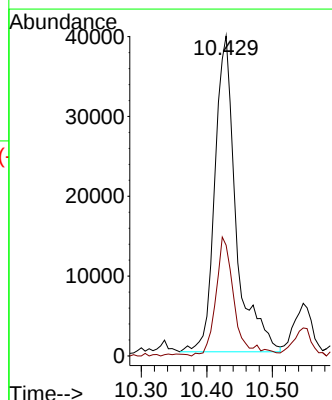
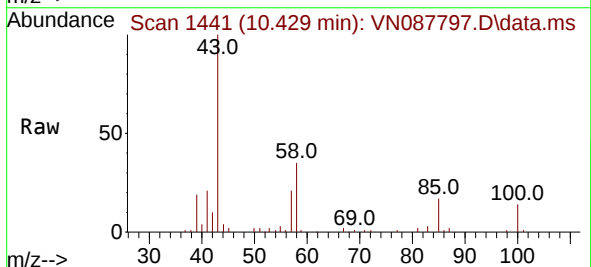
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

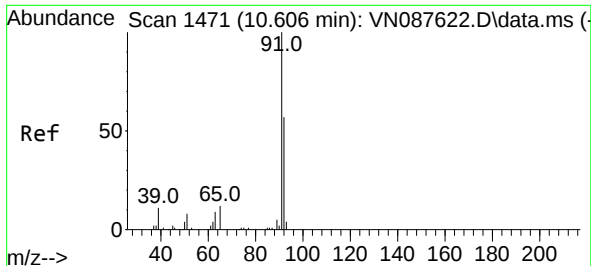
Tgt Ion: 98 Resp: 600032
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 13.408 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 88890
Ion Ratio Lower Upper
43 100
58 33.0 29.6 44.4

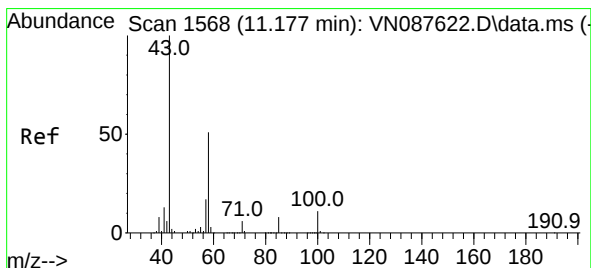
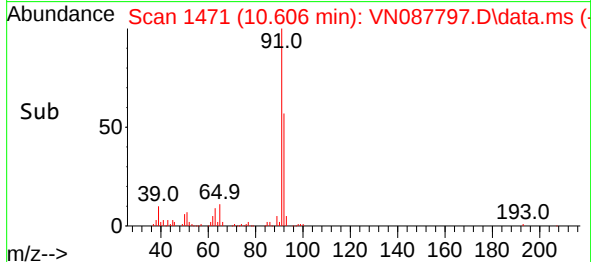
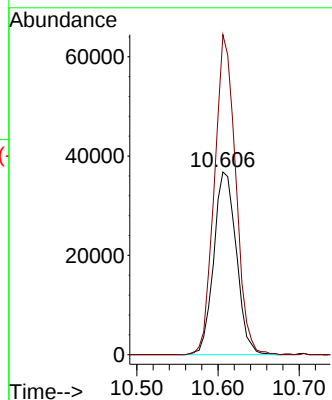
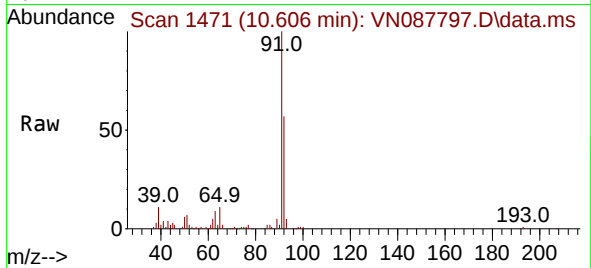




#52
Toluene
Concen: 7.267 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

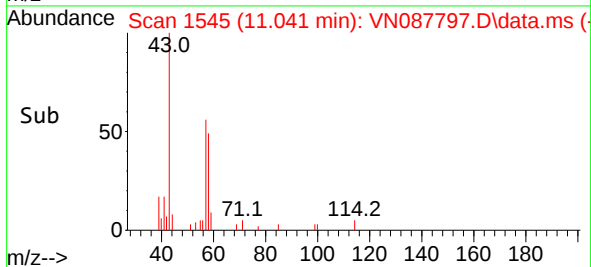
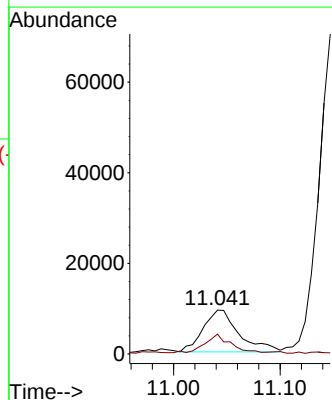
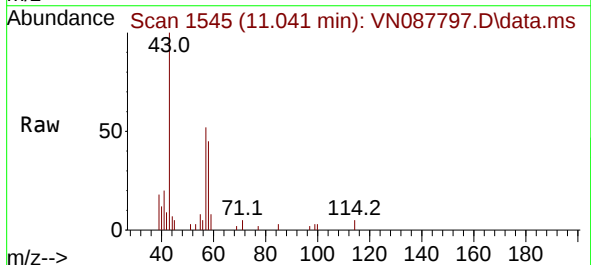
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

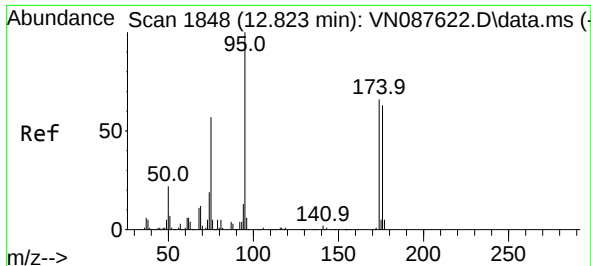
Tgt Ion: 92 Resp: 71167
Ion Ratio Lower Upper
92 100
91 165.2 140.4 210.6



#59
2-Hexanone
Concen: 5.148 ug/l
RT: 11.041 min Scan# 1545
Delta R.T. -0.135 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 21569
Ion Ratio Lower Upper
43 100
58 32.0 25.9 77.8

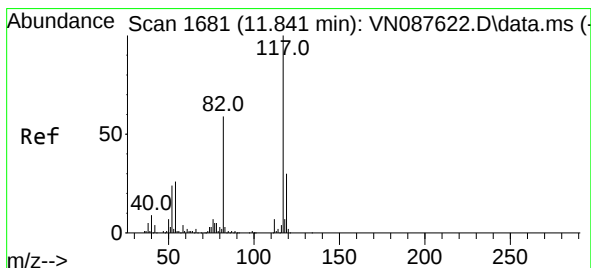
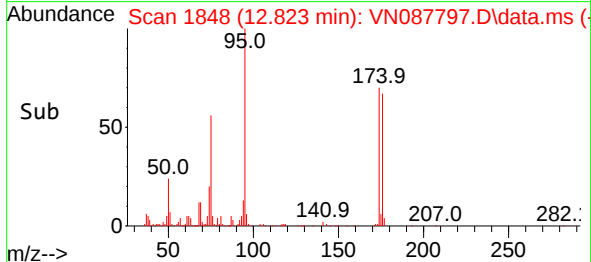
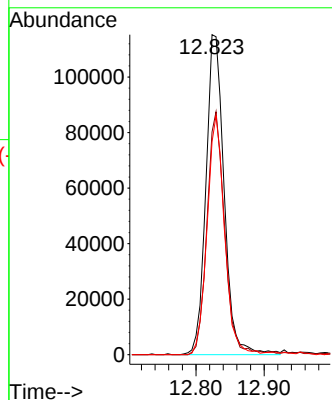
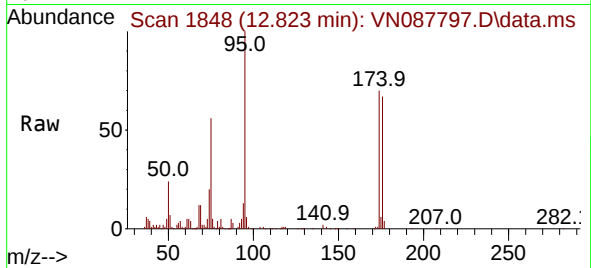




#62
4-Bromofluorobenzene
Concen: 48.031 ug/l
RT: 12.823 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

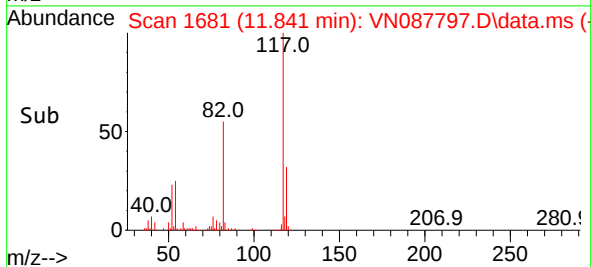
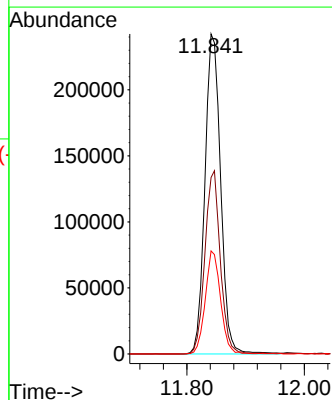
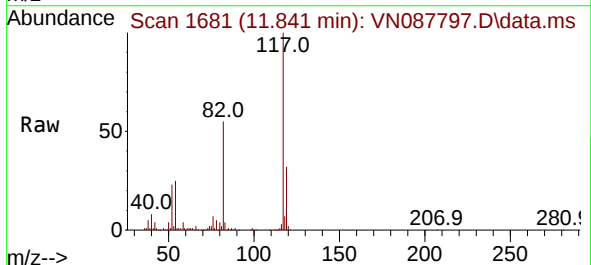
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

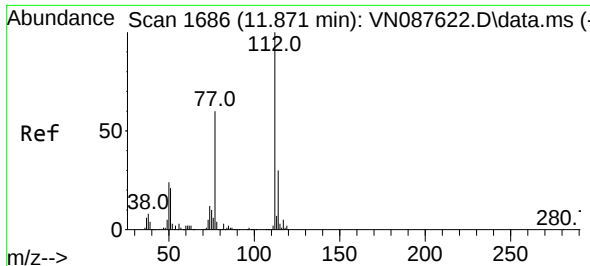
Tgt Ion: 95 Resp: 214630
Ion Ratio Lower Upper
95 100
174 73.5 0.0 138.4
176 71.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 117 Resp: 450268
Ion Ratio Lower Upper
117 100
82 55.2 47.4 71.2
119 32.2 24.3 36.5

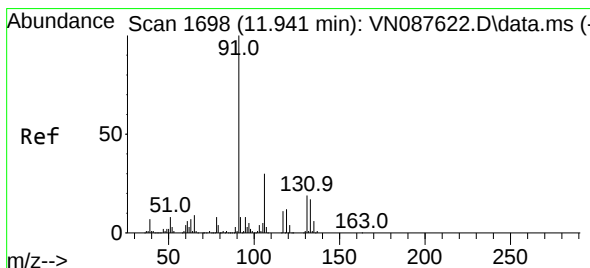
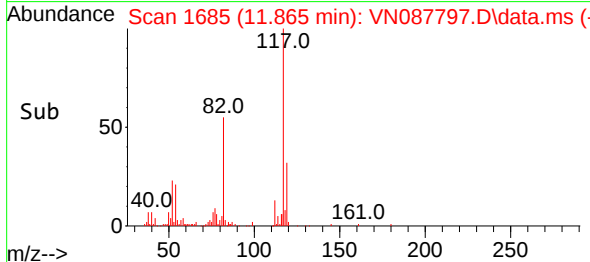
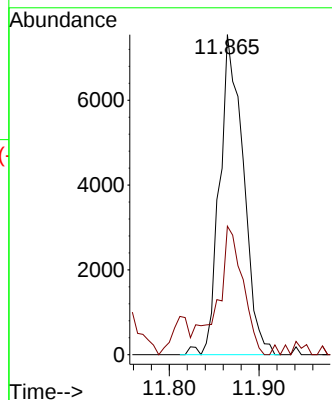
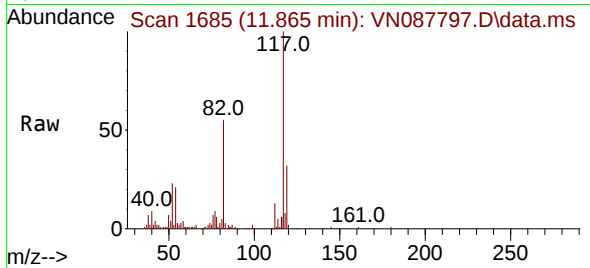




#65
Chlorobenzene
Concen: 1.237 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

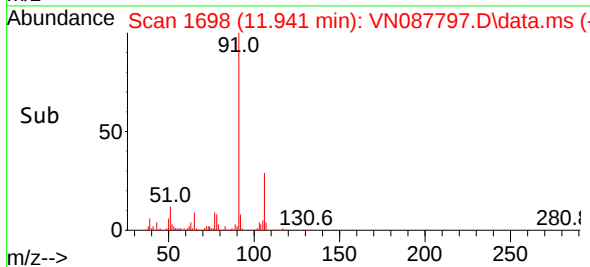
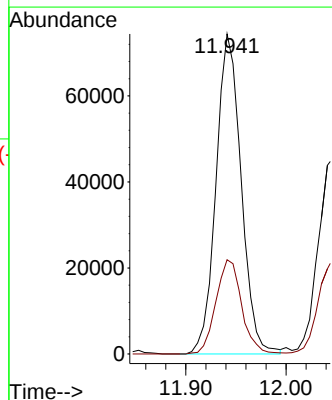
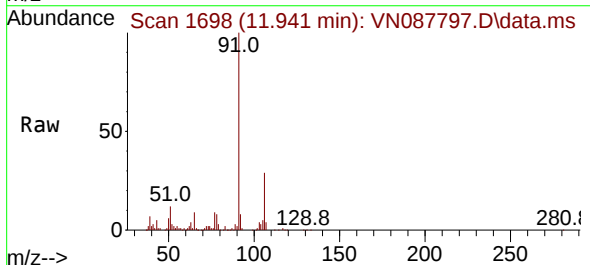
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

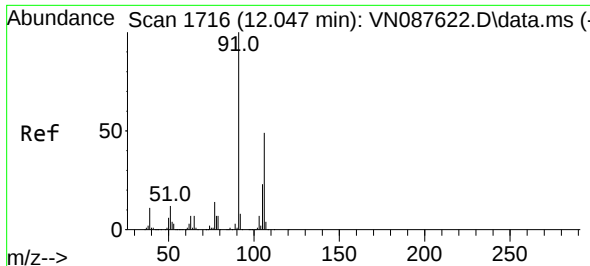
Tgt Ion:112 Resp: 13852
Ion Ratio Lower Upper
112 100
114 40.1 24.3 36.5#



#67
Ethyl Benzene
Concen: 6.669 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 91 Resp: 129354
Ion Ratio Lower Upper
91 100
106 29.4 24.1 36.1

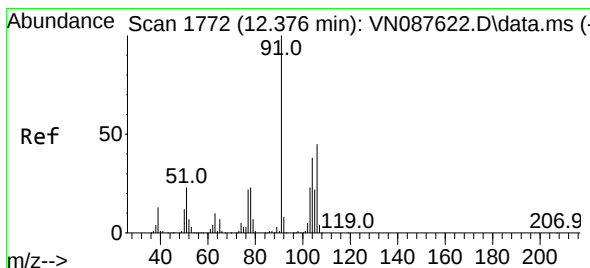
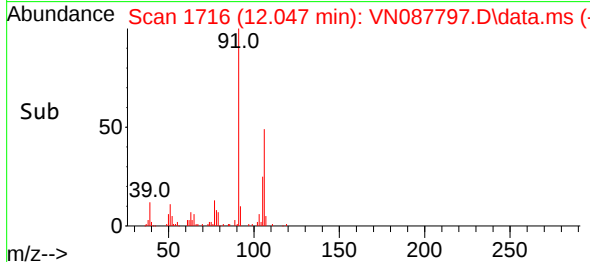
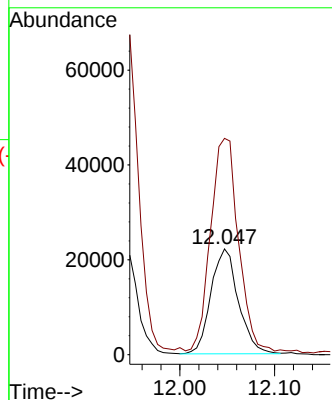
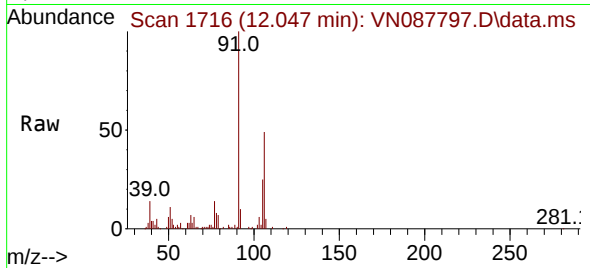




#68
m/p-Xylenes
Concen: 6.280 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

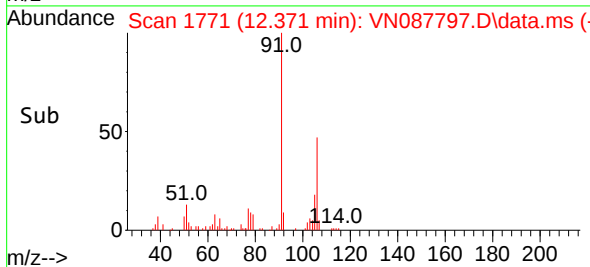
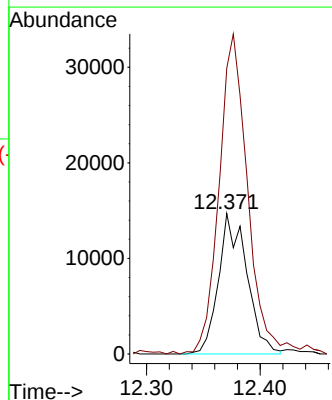
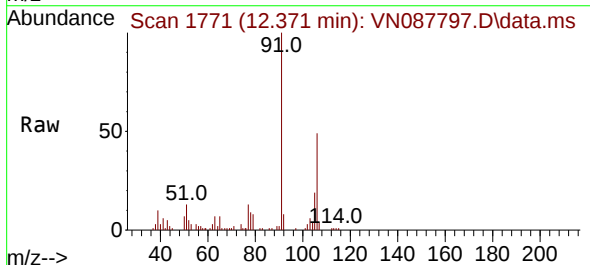
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

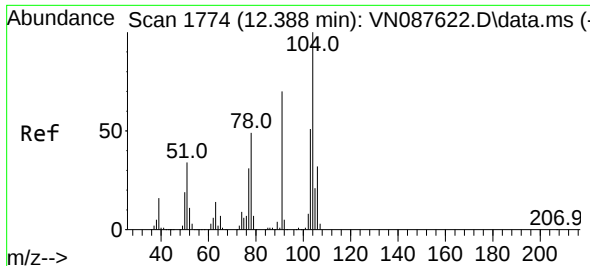
Tgt Ion:106 Resp: 44673
Ion Ratio Lower Upper
106 100
91 212.1 169.3 253.9



#69
o-Xylene
Concen: 3.650 ug/l
RT: 12.371 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion:106 Resp: 25442
Ion Ratio Lower Upper
106 100
91 229.5 111.4 334.2

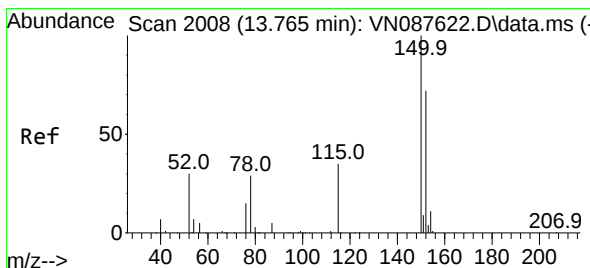
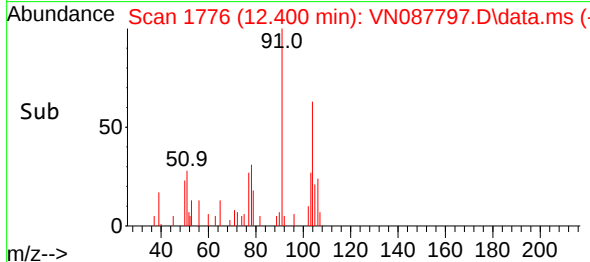
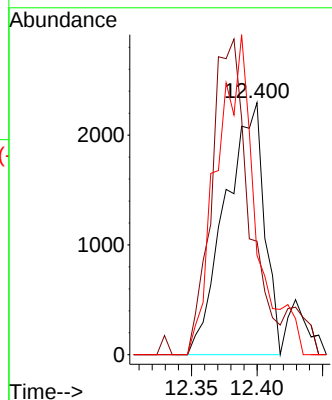
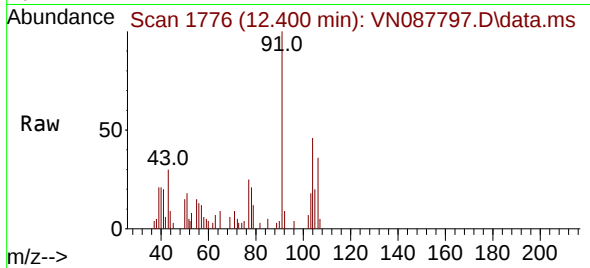




#70
Styrene
Concen: 0.407 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

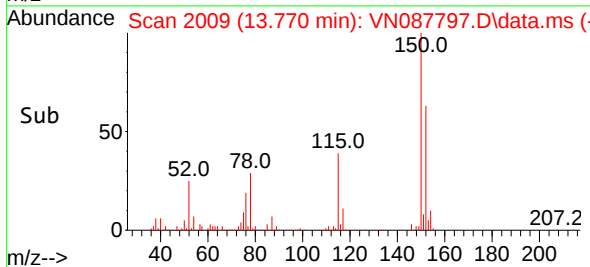
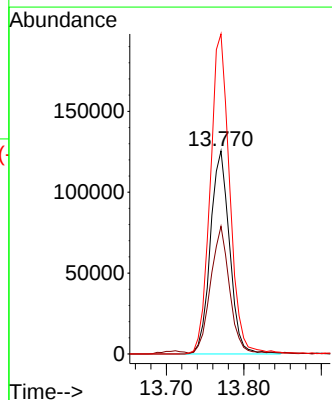
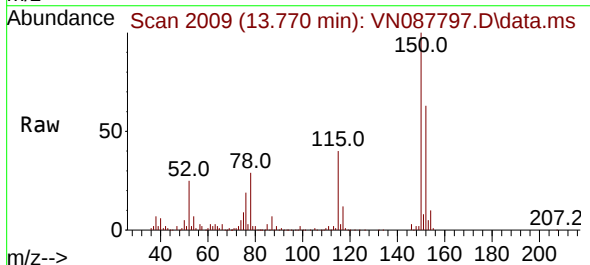
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

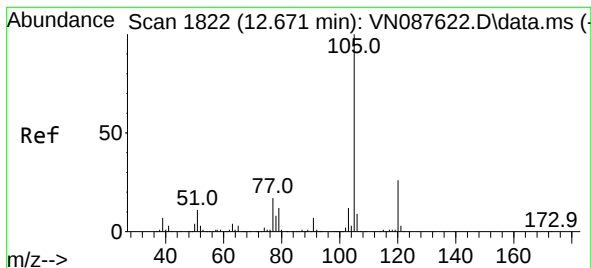
Tgt Ion:104 Resp: 4754
Ion Ratio Lower Upper
104 100
78 119.7 42.2 63.2#
103 125.6 43.4 65.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion:152 Resp: 215998
Ion Ratio Lower Upper
152 100
115 62.6 32.3 96.8
150 160.2 0.0 351.0





#73

Isopropylbenzene

Concen: 0.780 ug/l

RT: 12.676 min Scan# 1847

Delta R.T. 0.006 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

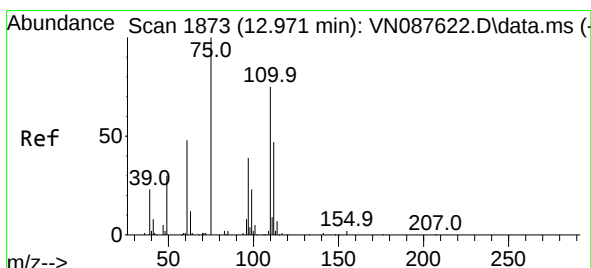
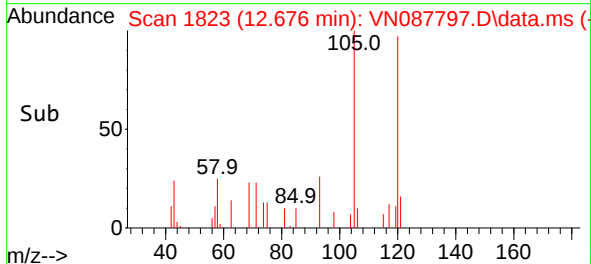
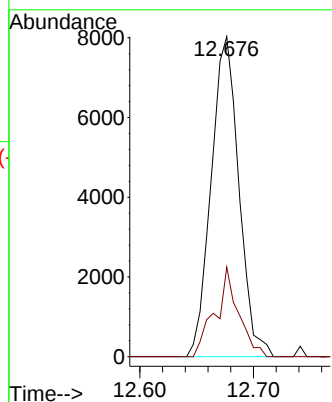
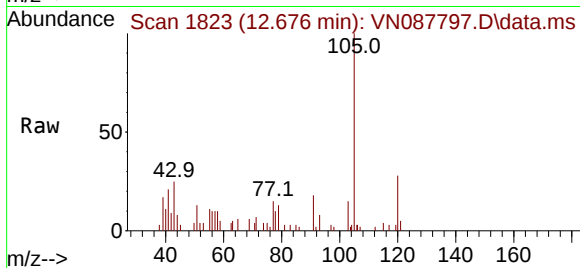
250910074-01-VOA

Tgt Ion:105 Resp: 13615

Ion Ratio Lower Upper

105 100

120 23.5 12.8 38.3



#76

1,2,3-Trichloropropane

Concen: 23.970 ug/l

RT: 12.823 min Scan# 1848

Delta R.T. -0.147 min

Lab File: VN087797.D

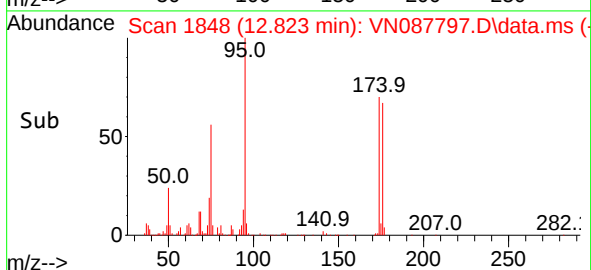
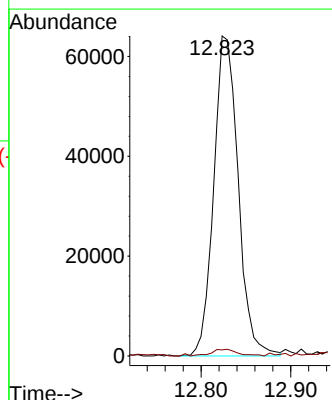
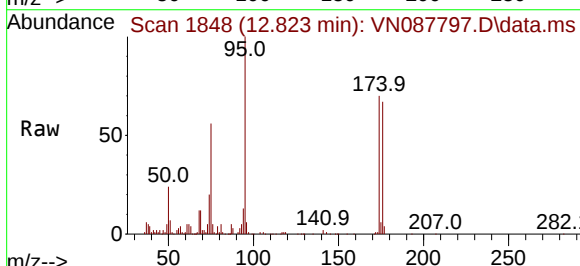
Acq: 11 Sep 2025 15:03

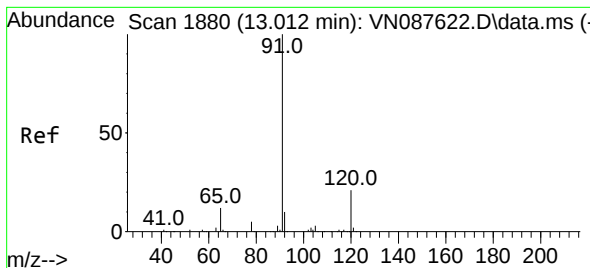
Tgt Ion: 75 Resp: 121415

Ion Ratio Lower Upper

75 100

77 2.2 89.1 267.4#





#78

n-propylbenzene

Concen: 0.539 ug/l

RT: 13.012 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

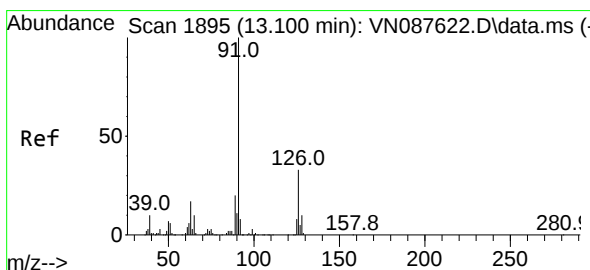
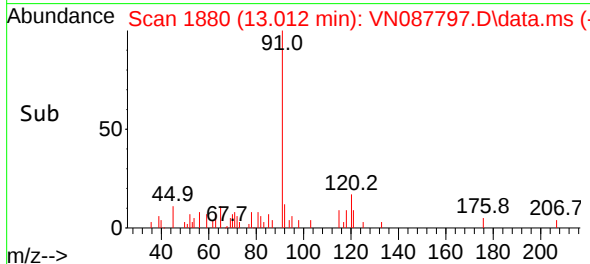
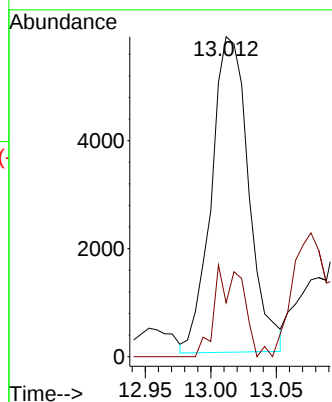
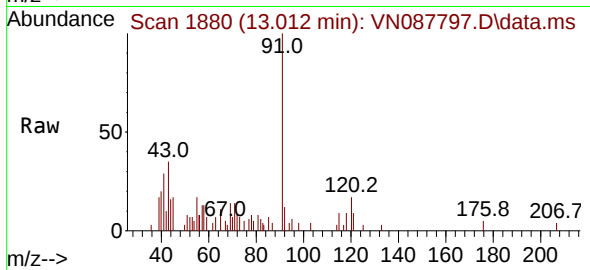
250910074-01-VOA

Tgt Ion: 91 Resp: 11580

Ion Ratio Lower Upper

91 100

120 21.9 10.7 32.1



#79

2-Chlorotoluene

Concen: 0.554 ug/l

RT: 13.106 min Scan# 1896

Delta R.T. 0.006 min

Lab File: VN087797.D

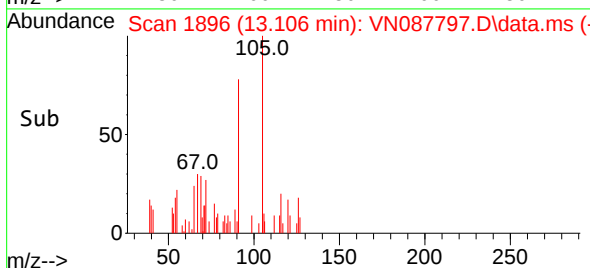
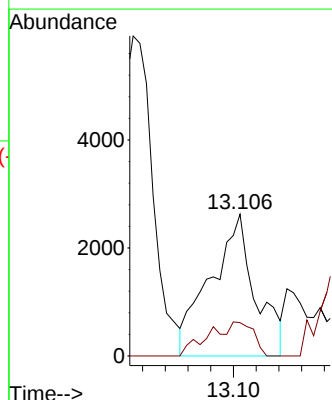
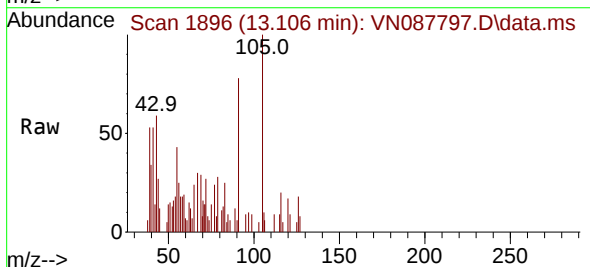
Acq: 11 Sep 2025 15:03

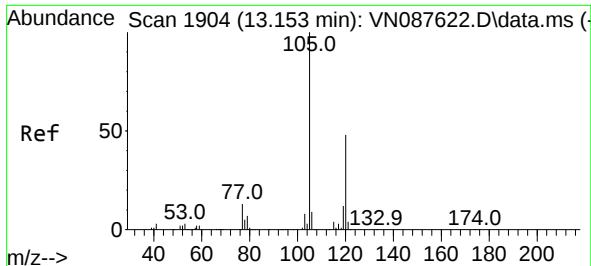
Tgt Ion: 91 Resp: 7166

Ion Ratio Lower Upper

91 100

126 23.8 16.1 48.3

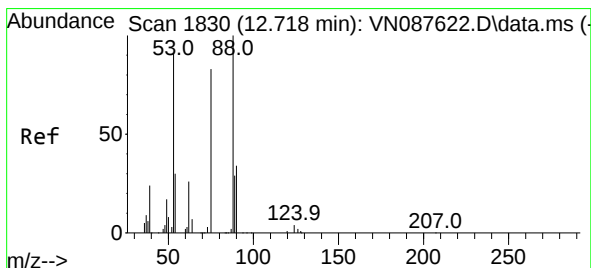
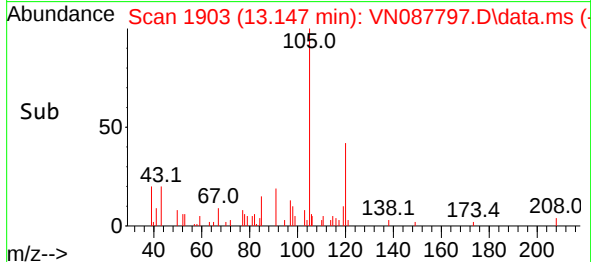
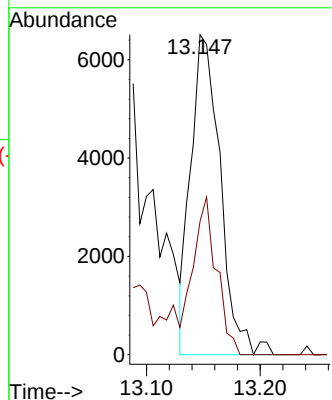
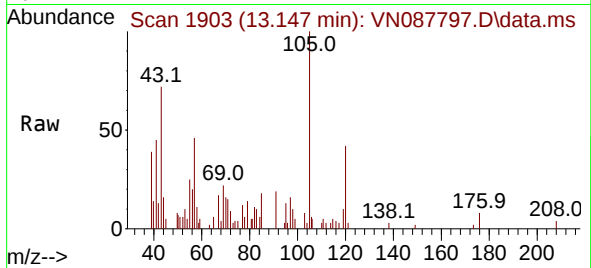




#80
1,3,5-Trimethylbenzene
Concen: 0.793 ug/l
RT: 13.147 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

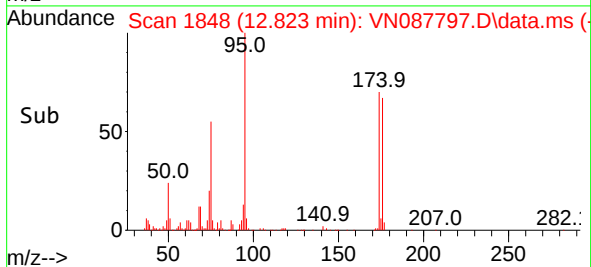
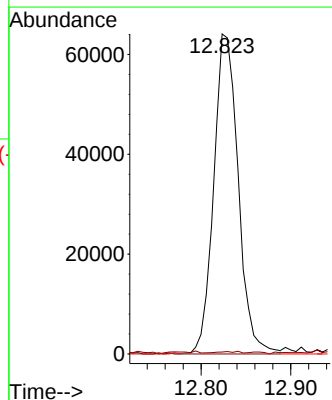
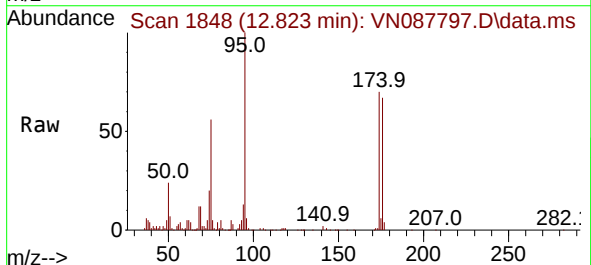
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

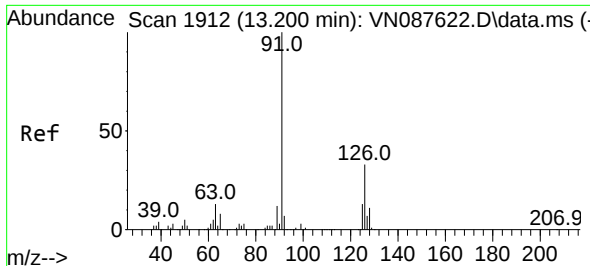
Tgt Ion:105 Resp: 11741
Ion Ratio Lower Upper
105 100
120 39.5 23.2 69.6



#81
trans-1,4-Dichloro-2-butene
Concen: 63.458 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.106 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 75 Resp: 121415
Ion Ratio Lower Upper
75 100
53 0.4 101.8 152.6#
89 0.0 35.6 53.4#

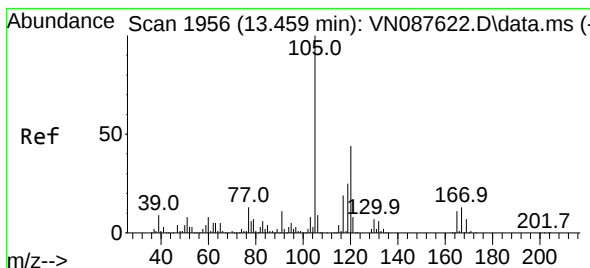
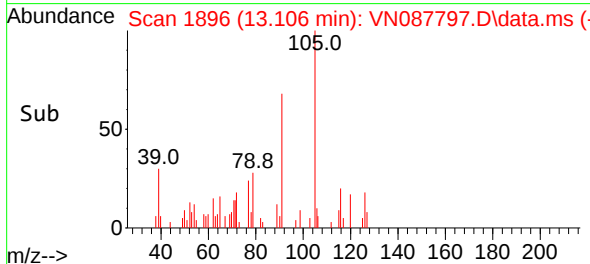
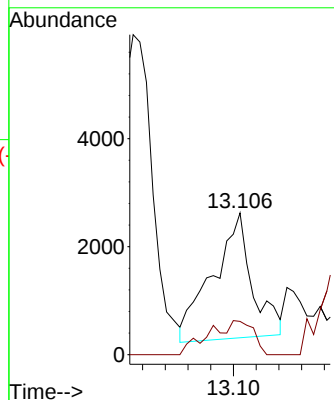
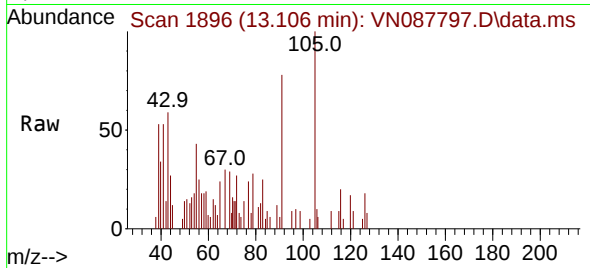




#82
4-Chlorotoluene
Concen: 0.411 ug/l
RT: 13.106 min Scan# 11
Delta R.T. -0.094 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

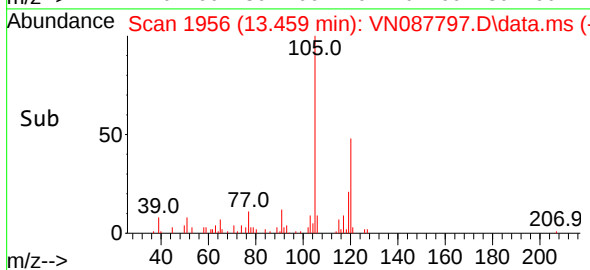
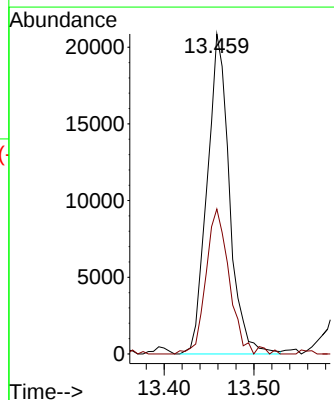
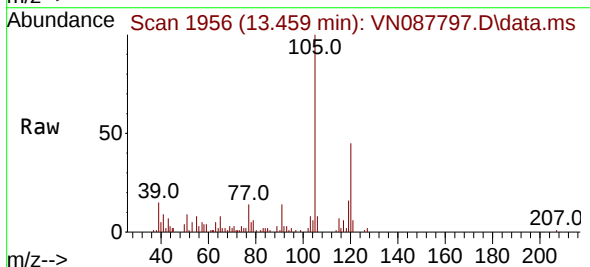
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

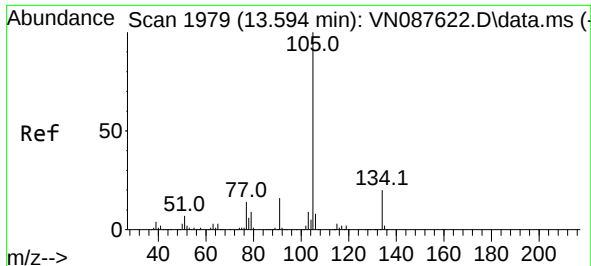
Tgt Ion: 91 Resp: 5586
Ion Ratio Lower Upper
91 100
126 30.5 15.6 46.8



#84
1,2,4-Trimethylbenzene
Concen: 2.429 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 105 Resp: 36005
Ion Ratio Lower Upper
105 100
120 46.7 22.0 66.0

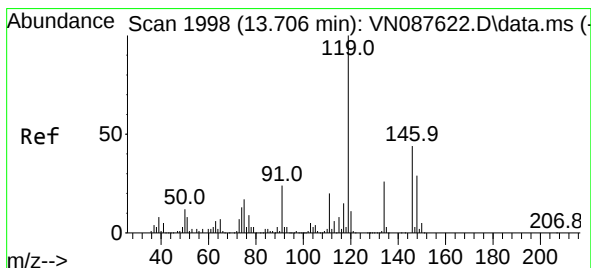
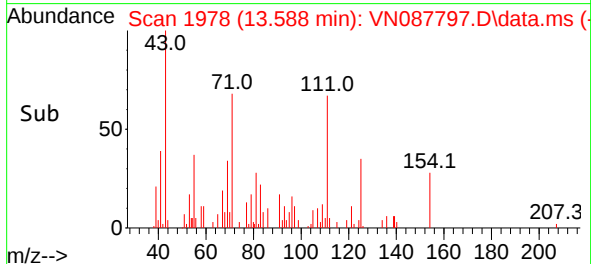
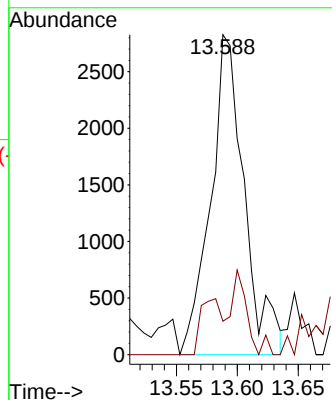
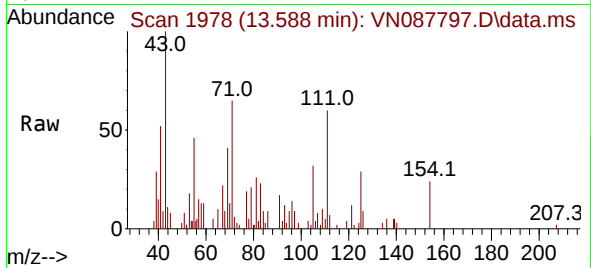




#85
 sec-Butylbenzene
 Concen: 0.297 ug/l
 RT: 13.588 min Scan# 1978
 Delta R.T. -0.006 min
 Lab File: VN087797.D
 Acq: 11 Sep 2025 15:03

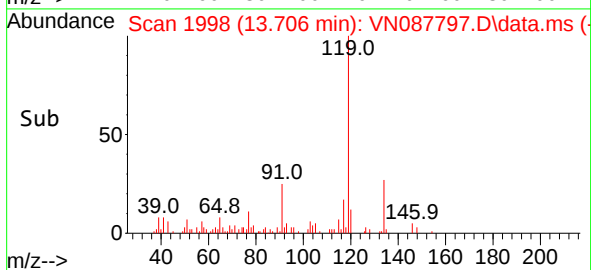
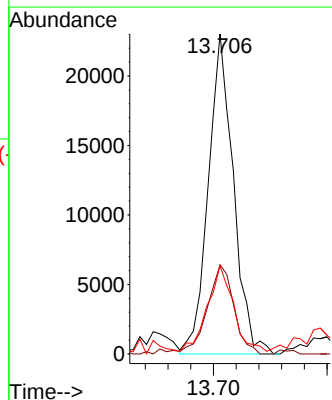
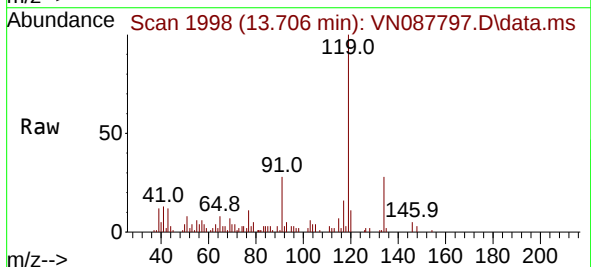
Instrument :
 MSVOA_N
 ClientSampleId :
 250910074-01-VOA

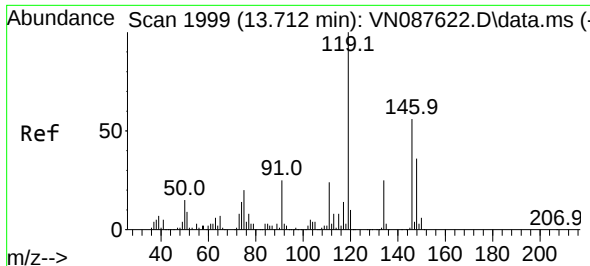
Tgt Ion:105 Resp: 5439
 Ion Ratio Lower Upper
 105 100
 134 11.0 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: 2.334 ug/l
 RT: 13.706 min Scan# 1998
 Delta R.T. -0.000 min
 Lab File: VN087797.D
 Acq: 11 Sep 2025 15:03

Tgt Ion:119 Resp: 35295
 Ion Ratio Lower Upper
 119 100
 134 29.6 12.7 38.0
 91 27.5 12.5 37.5

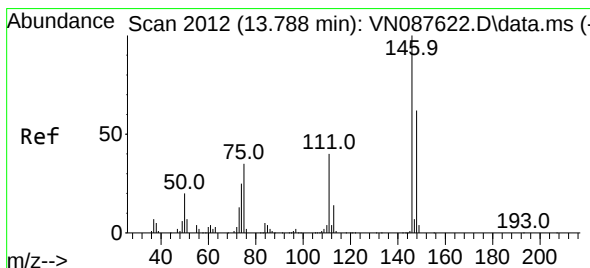
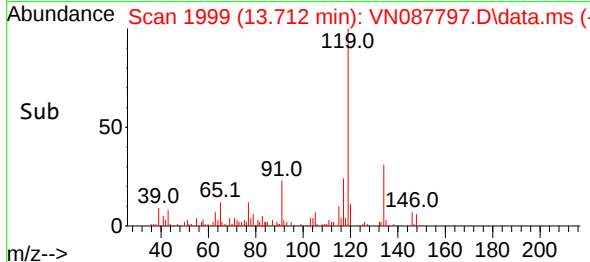
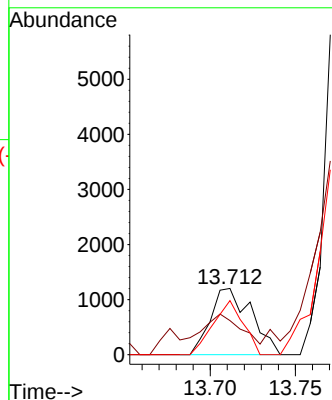
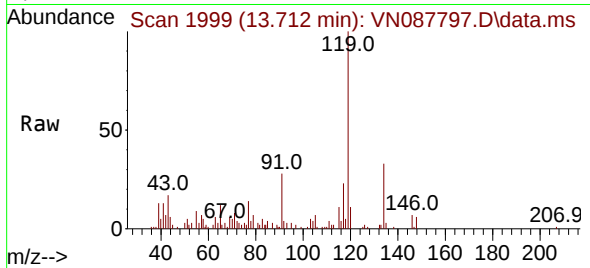




#87
 1,3-Dichlorobenzene
 Concen: 0.247 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VN087797.D
 Acq: 11 Sep 2025 15:03

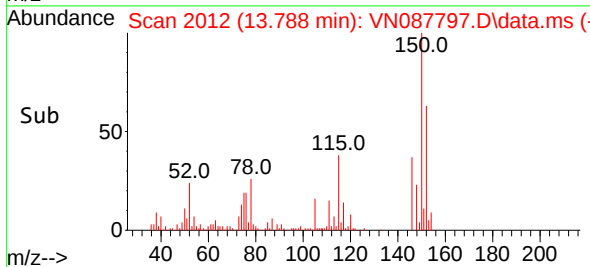
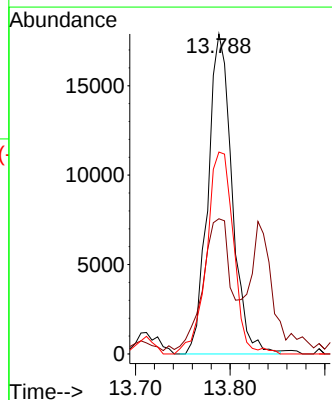
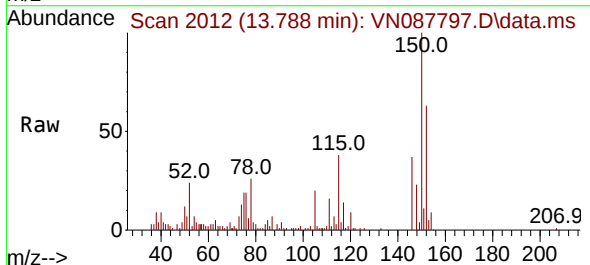
Instrument :
 MSVOA_N
 ClientSampleId :
 250910074-01-VOA

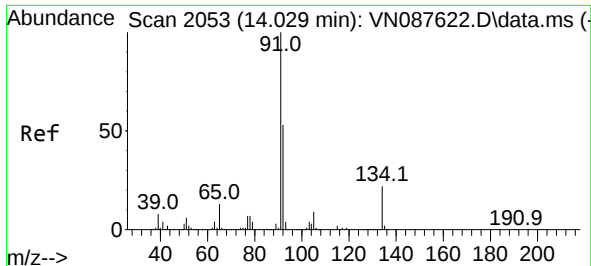
Tgt Ion:146 Resp: 2004
 Ion Ratio Lower Upper
 146 100
 111 39.6 22.1 66.5
 148 60.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 3.759 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN087797.D
 Acq: 11 Sep 2025 15:03

Tgt Ion:146 Resp: 31704
 Ion Ratio Lower Upper
 146 100
 111 46.3 21.0 63.0
 148 70.2 32.0 96.0

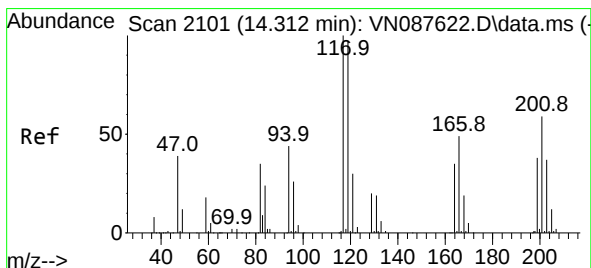
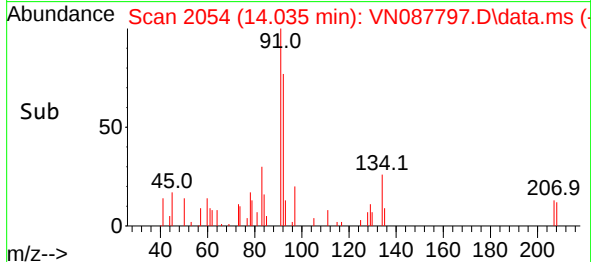
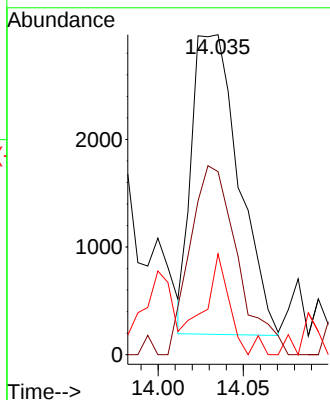
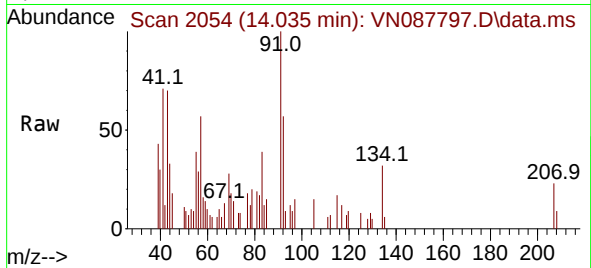




#89
n-Butylbenzene
Concen: 0.357 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

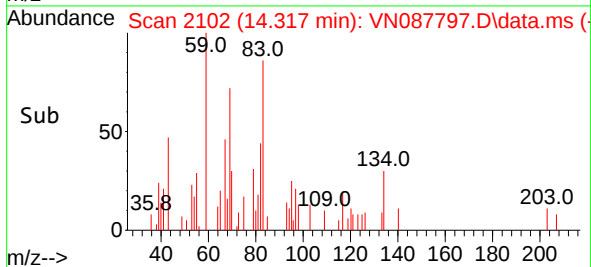
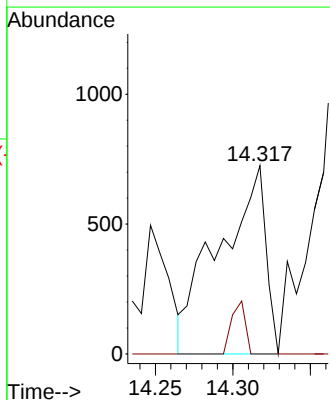
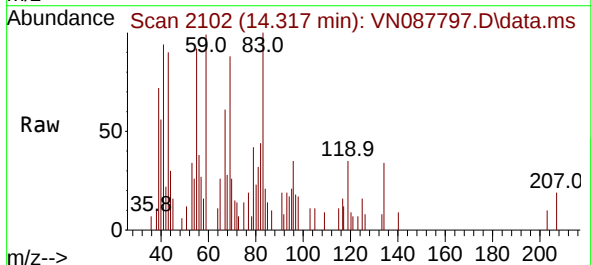
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

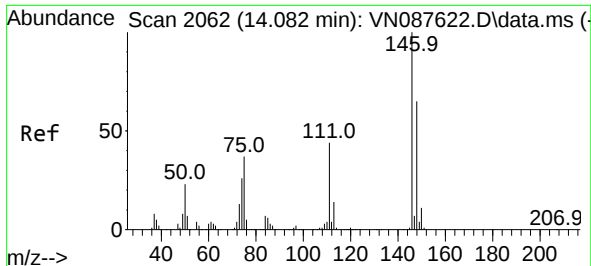
Tgt Ion: 91 Resp: 5363
Ion Ratio Lower Upper
91 100
92 64.6 25.9 77.8
134 17.2 11.7 35.0



#90
Hexachloroethane
Concen: 0.525 ug/l
RT: 14.317 min Scan# 2102
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 117 Resp: 1513
Ion Ratio Lower Upper
117 100
201 8.3 29.1 87.4#





#91

1,2-Dichlorobenzene

Concen: 0.522 ug/l

RT: 14.082 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VN087797.D

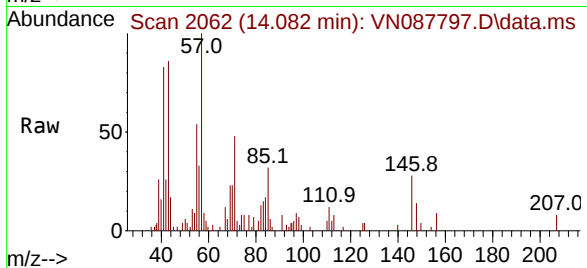
Acq: 11 Sep 2025 15:03

Instrument :

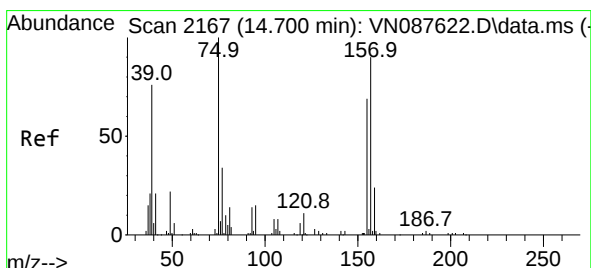
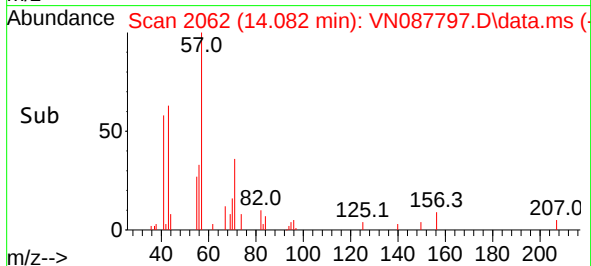
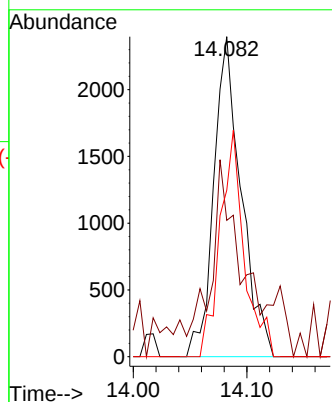
MSVOA_N

ClientSampleId :

250910074-01-VOA



Tgt Ion:	146	Resp:	4013
Ion	Ratio	Lower	Upper
146	100		
111	71.4	22.6	67.8#
148	62.2	31.9	95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.488 ug/l

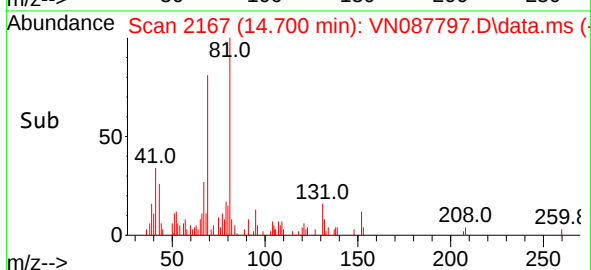
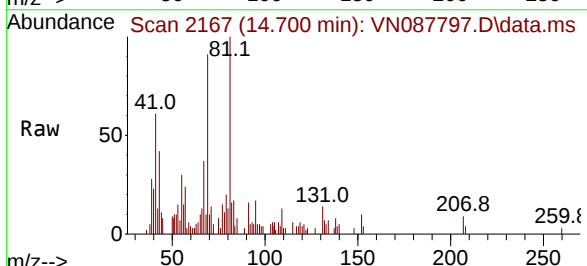
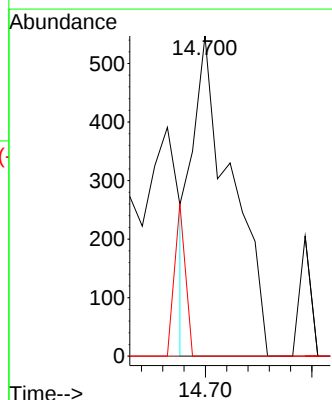
RT: 14.700 min Scan# 2167

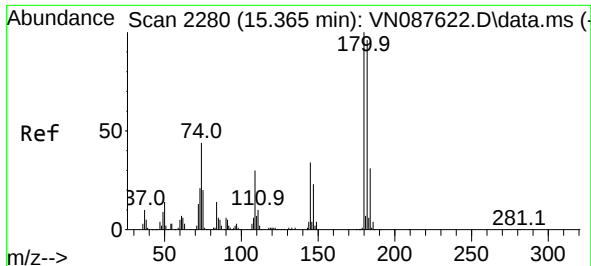
Delta R.T. -0.000 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

Tgt Ion:	75	Resp:	696
Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.6	109.9#
157	0.0	45.6	136.9#

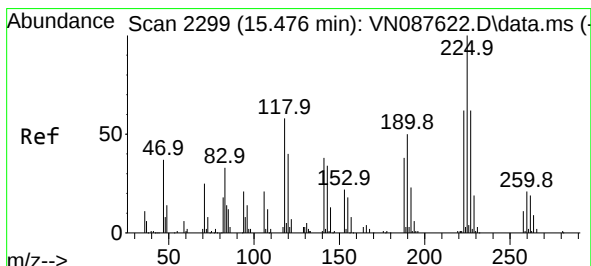
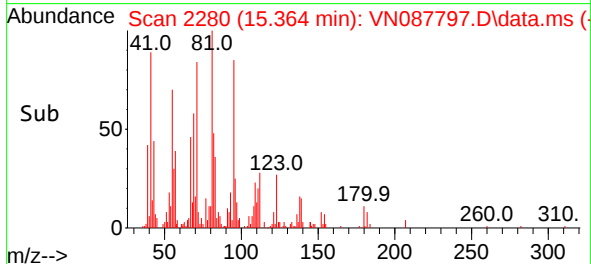
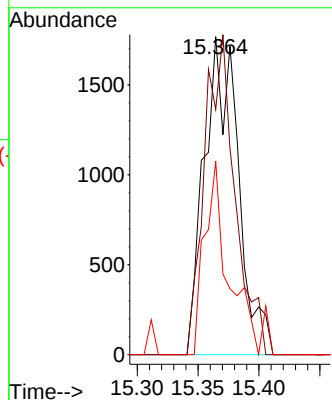
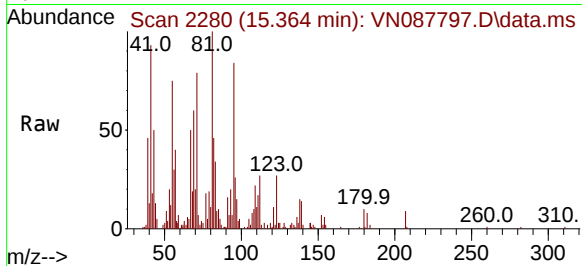




#93
1,2,4-Trichlorobenzene
Concen: 0.742 ug/l
RT: 15.364 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

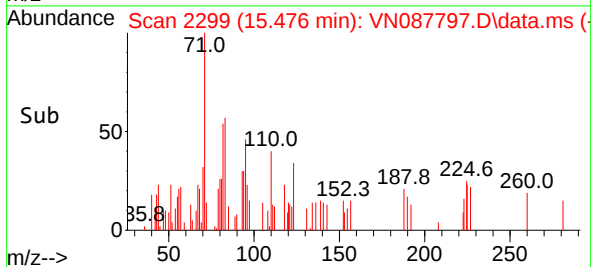
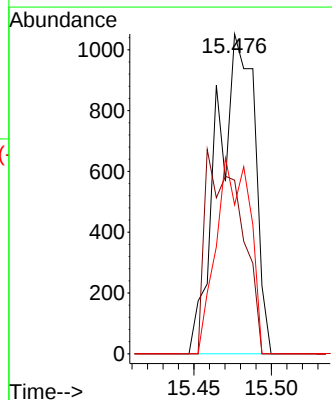
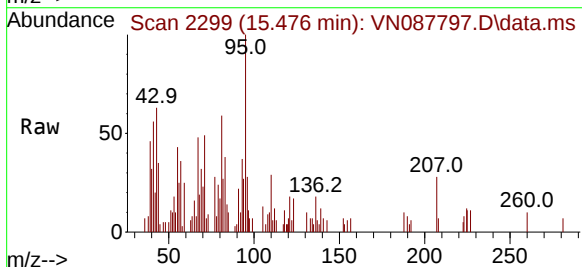
Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

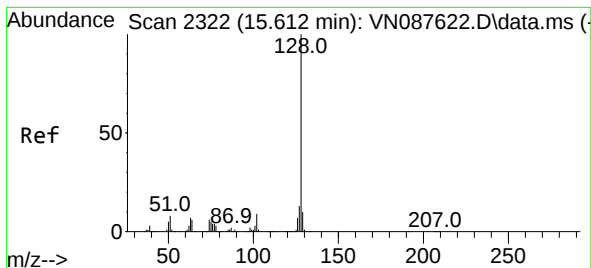
Tgt Ion:180	Resp:	3424
Ion Ratio	Lower	Upper
180	100	
182	90.5	47.6 142.9
145	42.4	16.5 49.5



#94
Hexachlorobutadiene
Concen: 1.074 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion:225	Resp:	1767
Ion Ratio	Lower	Upper
225	100	
223	60.1	32.0 96.2
227	54.5	32.1 96.5





#95

Naphthalene

Concen: 20.684 ug/l

RT: 15.611 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

Instrument :

MSVOA_N

ClientSampleId :

250910074-01-VOA

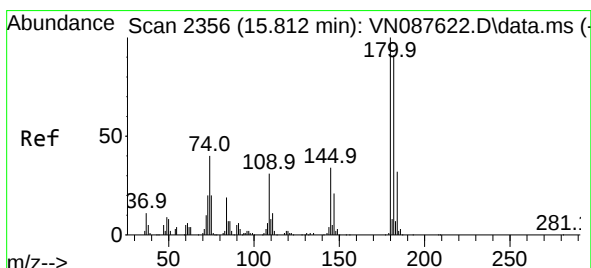
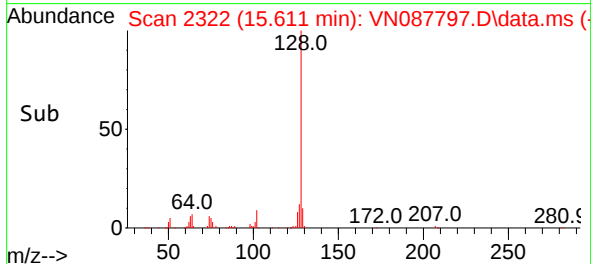
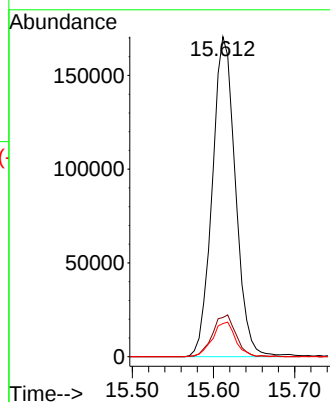
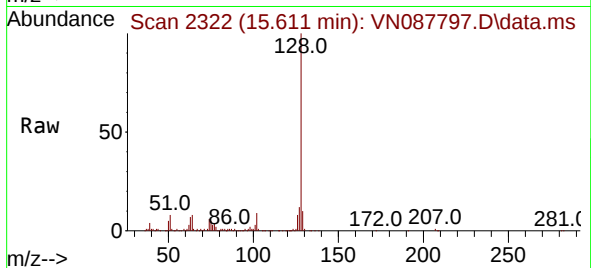
Tgt Ion:128 Resp: 338258

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 0.634 ug/l

RT: 15.806 min Scan# 2355

Delta R.T. -0.006 min

Lab File: VN087797.D

Acq: 11 Sep 2025 15:03

Tgt Ion:180 Resp: 2860

Ion Ratio Lower Upper

180 100

182 93.4 46.8 140.3

145 20.9 17.3 52.0

