

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087085.D
 Acq On : 18 Jun 2025 15:02
 Operator : JC\MD
 Sample : Q2347-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

Quant Time: Jun 19 01:29:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

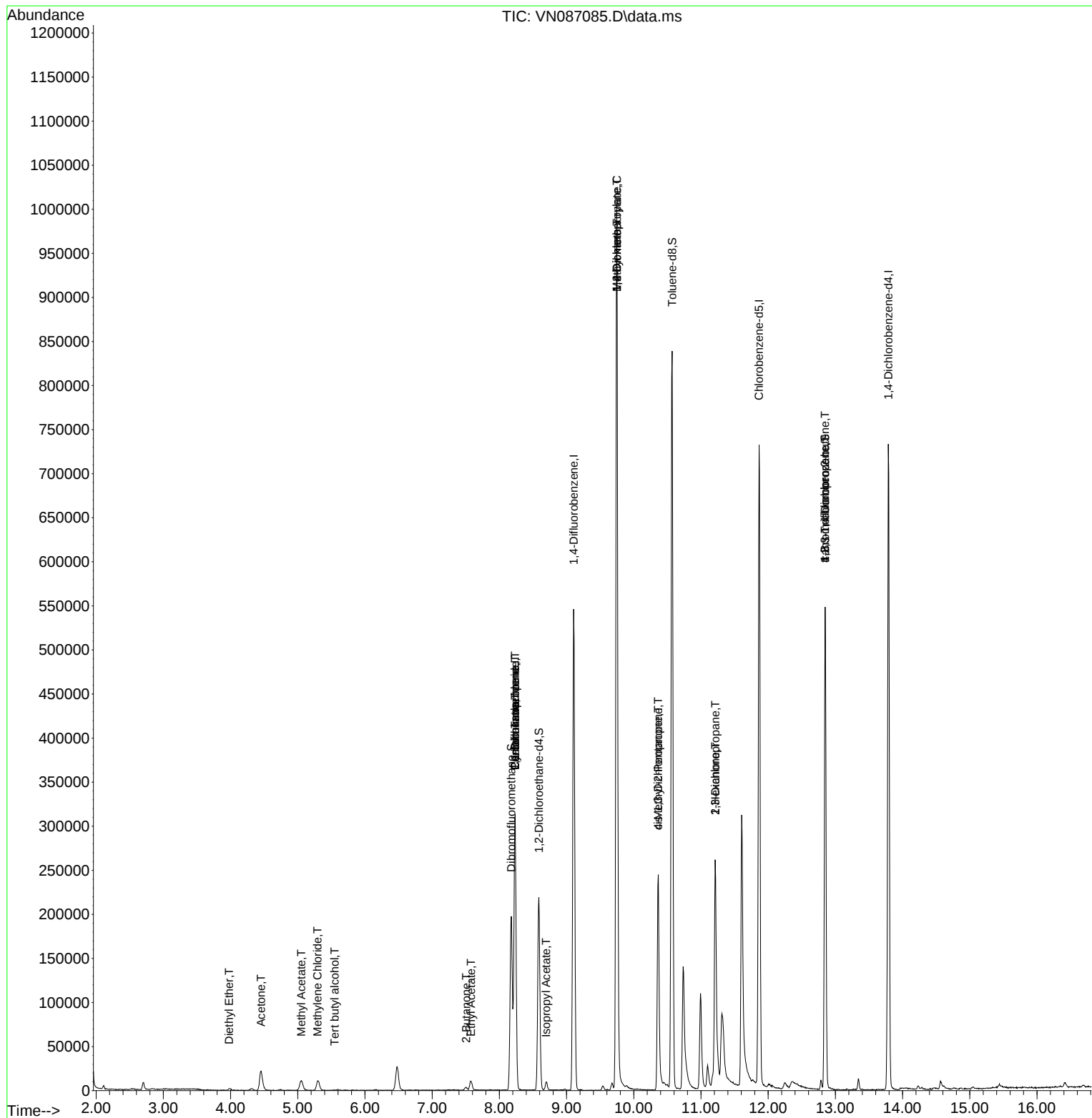
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	247020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	505646	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	456673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	214657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	178724	54.039	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.080%	
35) Dibromofluoromethane	8.177	113	153679	51.285	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.560%	
50) Toluene-d8	10.571	98	625267	52.709	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.420%	
62) 4-Bromofluorobenzene	12.847	95	215540	48.905	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.800%	
Target Compounds						Qvalue
8) Diethyl Ether	3.977	74	1125	0.602	ug/l	83
11) Tert butyl alcohol	5.547	59	791	0.881	ug/l #	73
16) Acetone	4.453	43	44327	25.273	ug/l	95
18) Methyl Acetate	5.053	43	24876	4.867	ug/l	97
20) Methylene Chloride	5.294	84	9967	3.035	ug/l	92
25) 2-Butanone	7.506	43	5995	2.103	ug/l	98
31) Cyclohexane	8.235	56	4404	0.821	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	18697	4.187	ug/l #	48
37) Ethyl Acetate	7.577	43	17049	2.999	ug/l	99
38) Carbon Tetrachloride	8.235	117	24050	5.486	ug/l #	15
43) Isopropyl Acetate	8.694	43	10704	1.173	ug/l	95
45) 1,2-Dichloropropane	9.747	63	1195	0.336	ug/l #	43
48) Methyl methacrylate	9.747	41	85200	20.290	ug/l #	36
49) 1,4-Dioxane	9.747	88	54	0.707	ug/l #	1
51) 4-Methyl-2-Pentanone	10.365	43	93887	17.094	ug/l #	45
54) cis-1,3-Dichloropropene	10.365	75	58390	10.053	ug/l #	55
57) 1,3-Dichloropropane	11.212	76	3629	0.609	ug/l #	43
59) 2-Hexanone	11.212	43	50692	14.329	ug/l #	47
76) 1,2,3-Trichloropropane	12.847	75	100024	19.603	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	100024	45.125	ug/l #	16

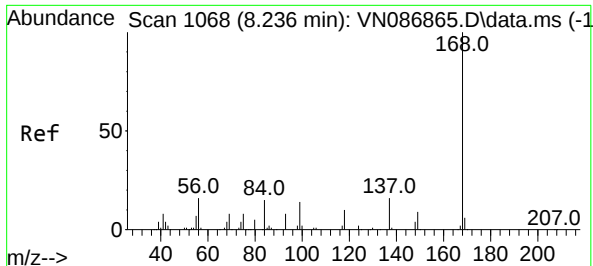
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

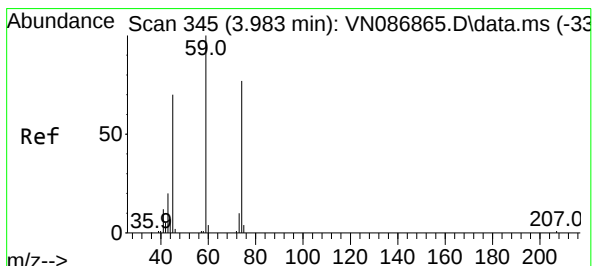
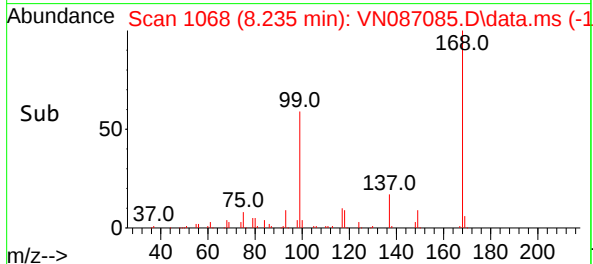
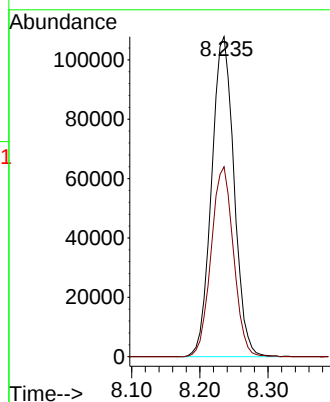
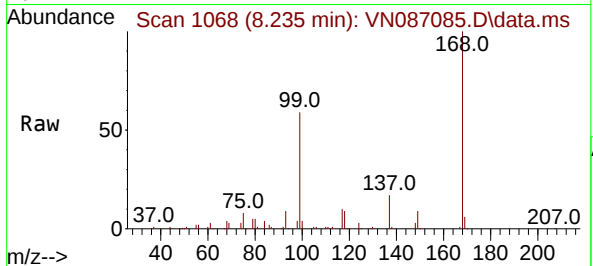




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

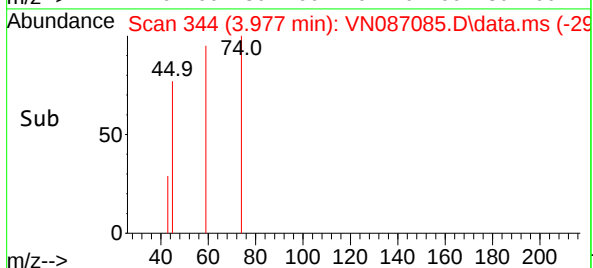
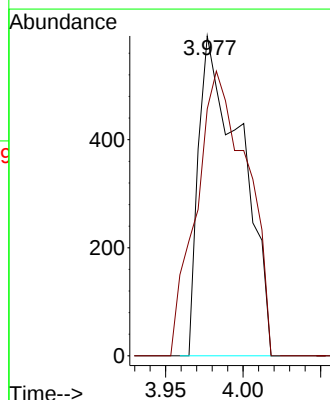
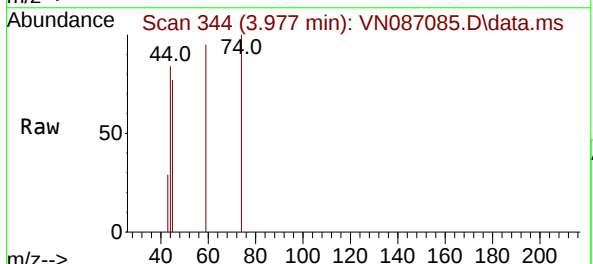
Instrument :
MSVOA_N
ClientSampleId :
TP-10

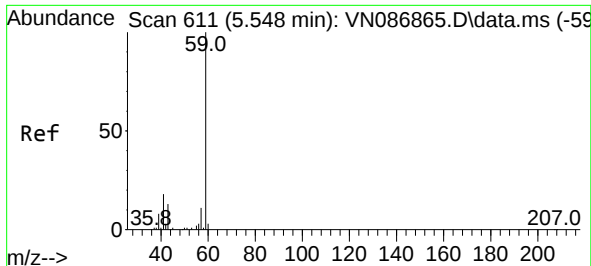
Tgt Ion:168 Resp: 247020
Ion Ratio Lower Upper
168 100
99 59.4 49.1 73.7



#8
Diethyl Ether
Concen: 0.602 ug/l
RT: 3.977 min Scan# 344
Delta R.T. -0.006 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion: 74 Resp: 1125
Ion Ratio Lower Upper
74 100
45 106.9 45.5 136.5

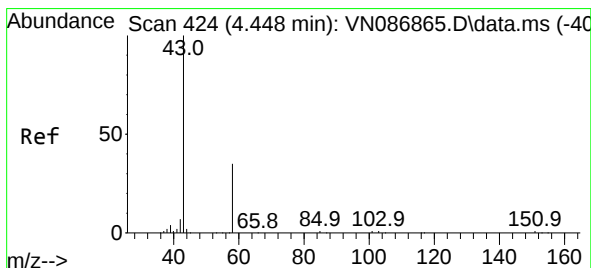
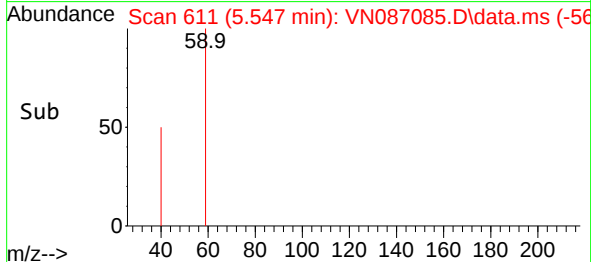
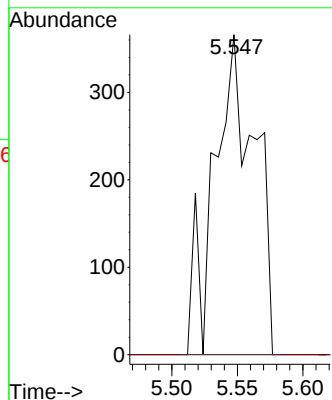
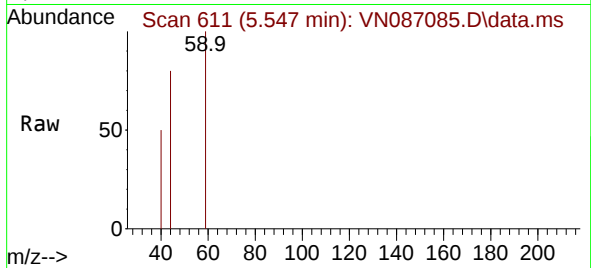




#11
Tert butyl alcohol
Concen: 0.881 ug/l
RT: 5.547 min Scan# 611
Delta R.T. -0.000 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

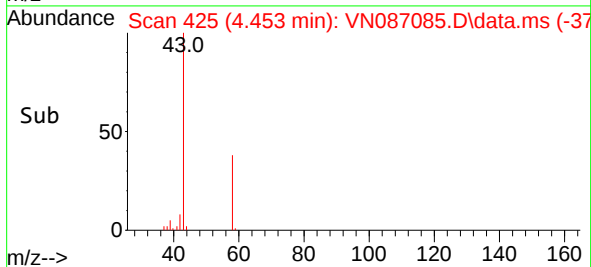
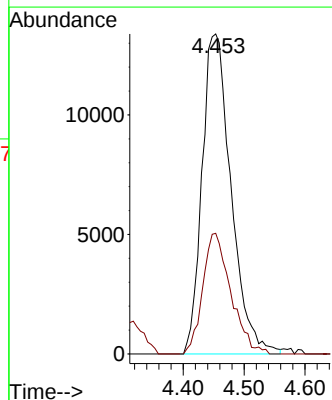
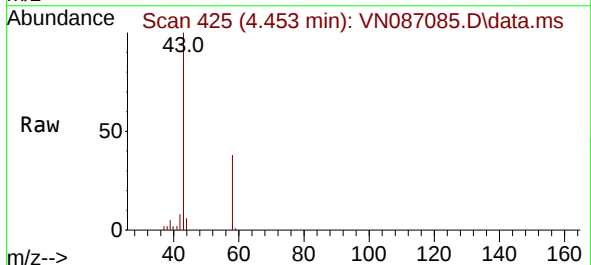
Instrument :
MSVOA_N
ClientSampleId :
TP-10

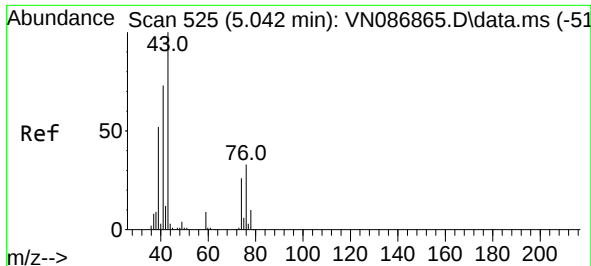
Tgt Ion: 59 Resp: 791
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 25.273 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion: 43 Resp: 44327
Ion Ratio Lower Upper
43 100
58 37.7 28.0 42.0

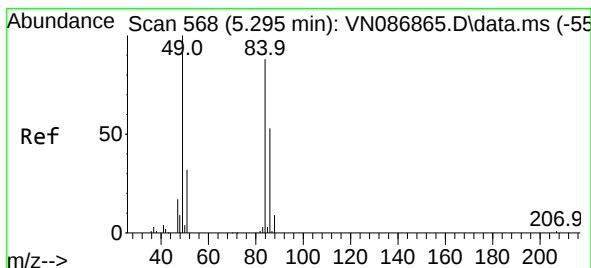
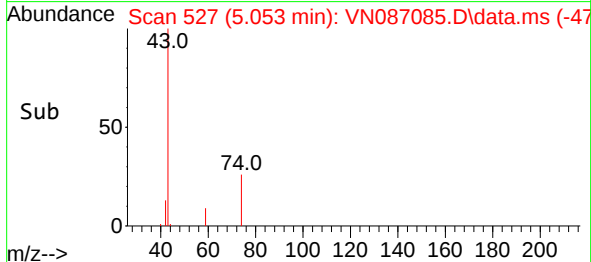
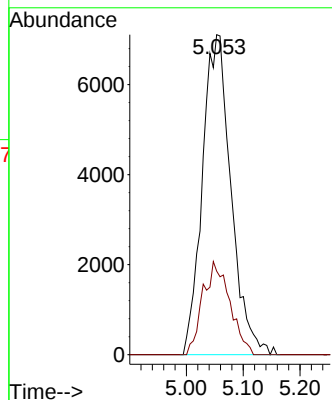
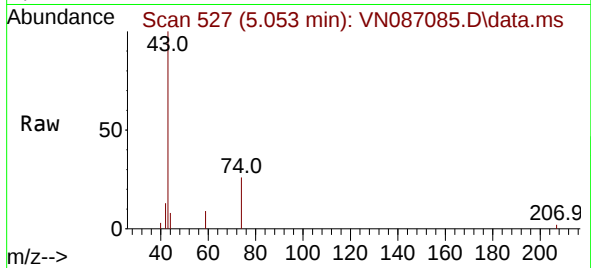




#18
Methyl Acetate
Concen: 4.867 ug/l
RT: 5.053 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

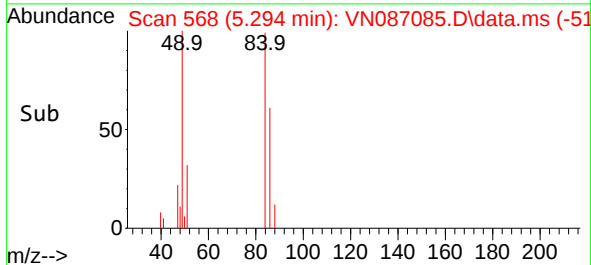
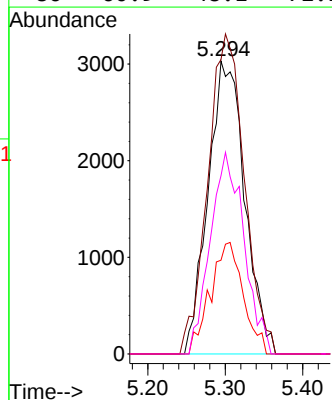
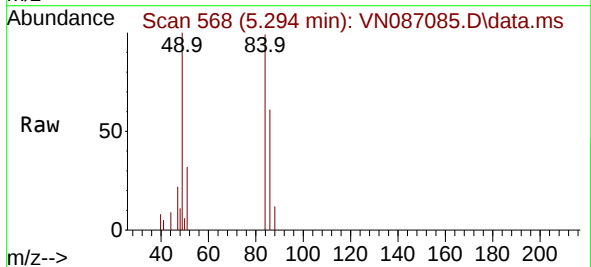
Instrument :
MSVOA_N
ClientSampleId :
TP-10

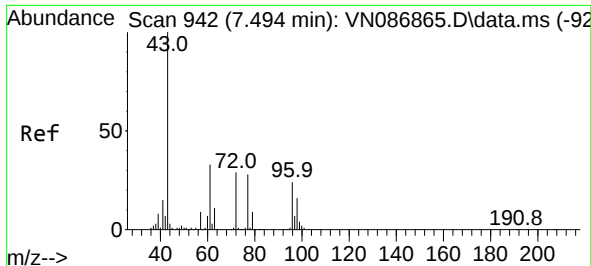
Tgt Ion: 43 Resp: 24876
Ion Ratio Lower Upper
43 100
74 27.5 20.7 31.1



#20
Methylene Chloride
Concen: 3.035 ug/l
RT: 5.294 min Scan# 568
Delta R.T. -0.000 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion: 84 Resp: 9967
Ion Ratio Lower Upper
84 100
49 100.5 90.5 135.7
51 32.0 28.5 42.7
86 60.9 48.1 72.1

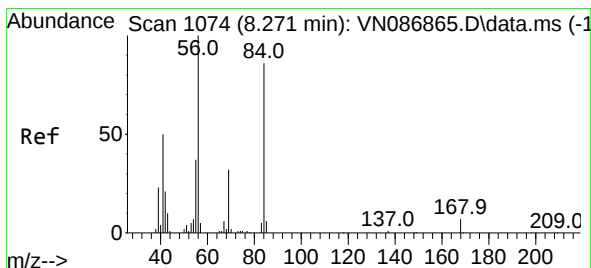
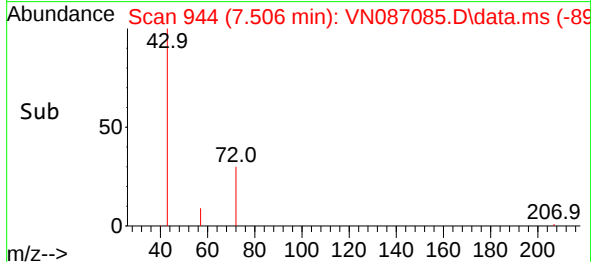
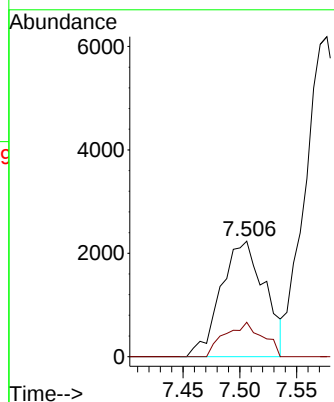
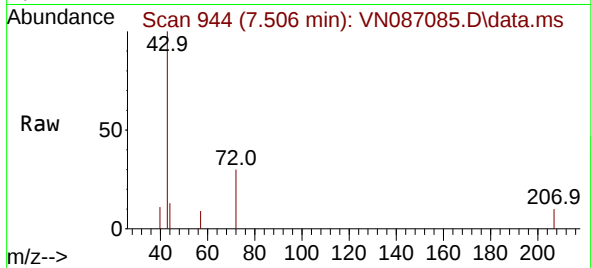




#25
2-Butanone
Concen: 2.103 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

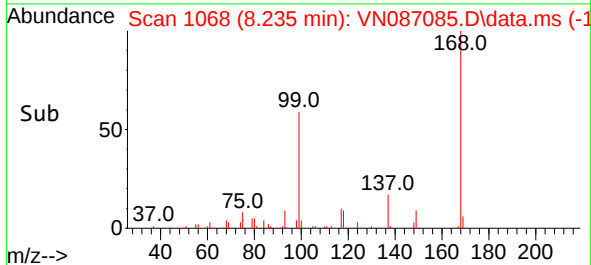
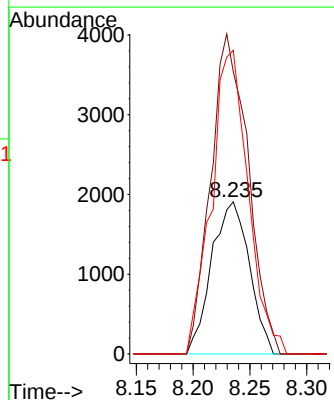
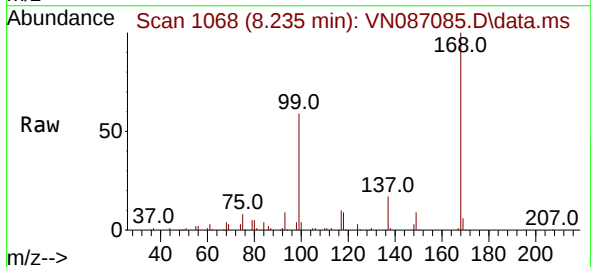
Instrument :
MSVOA_N
ClientSampleId :
TP-10

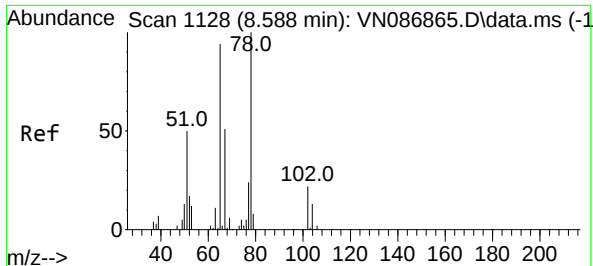
Tgt Ion: 43 Resp: 5995
Ion Ratio Lower Upper
43 100
72 29.7 23.0 34.6



#31
Cyclohexane
Concen: 0.821 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion: 56 Resp: 4404
Ion Ratio Lower Upper
56 100
69 185.4 25.4 38.0#
84 199.6 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 54.039 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087085.D

Acq: 18 Jun 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

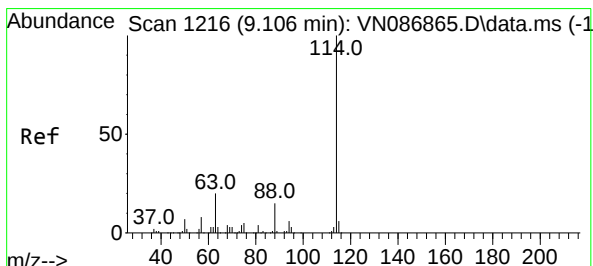
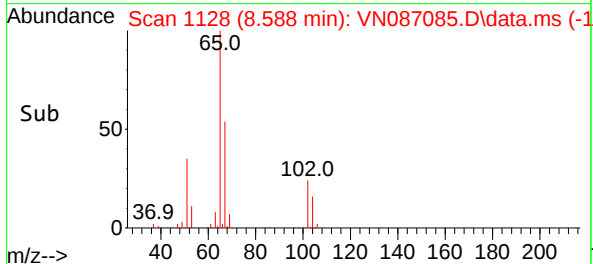
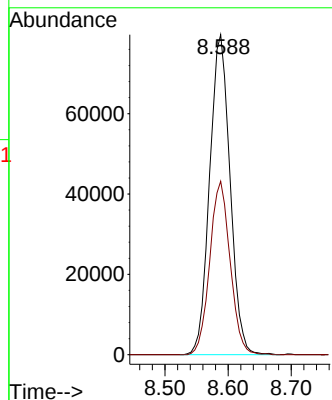
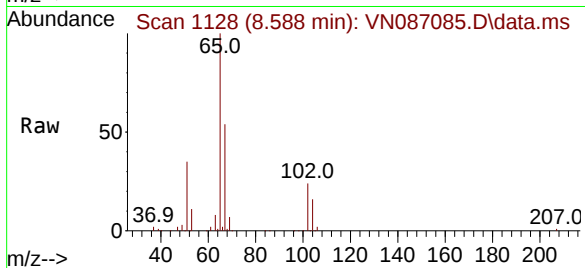
TP-10

Tgt Ion: 65 Resp: 178724

Ion Ratio Lower Upper

65 100

67 54.1 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087085.D

Acq: 18 Jun 2025 15:02

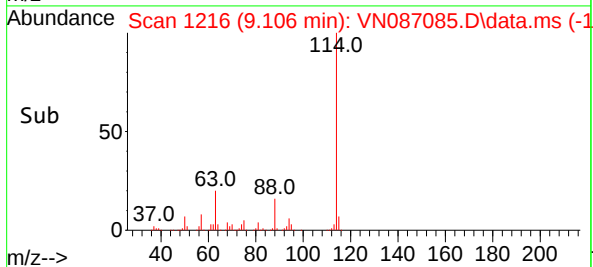
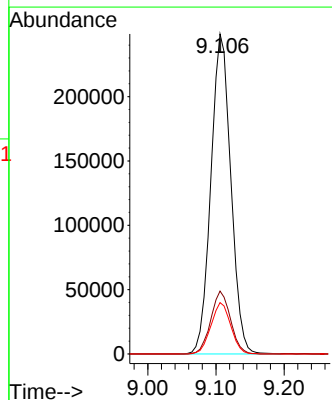
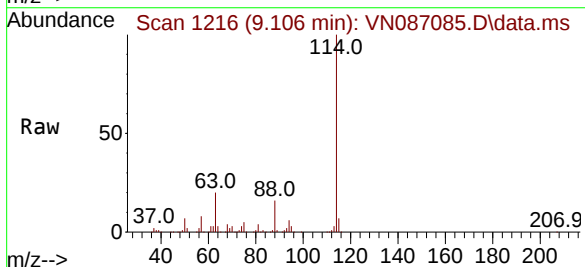
Tgt Ion: 114 Resp: 505646

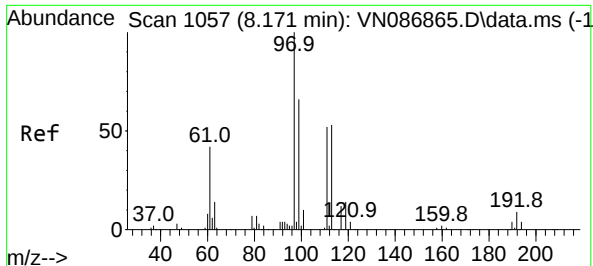
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.0 0.0 30.2

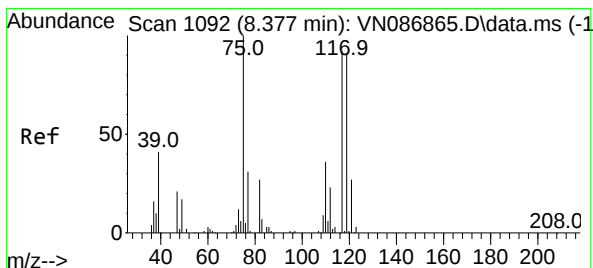
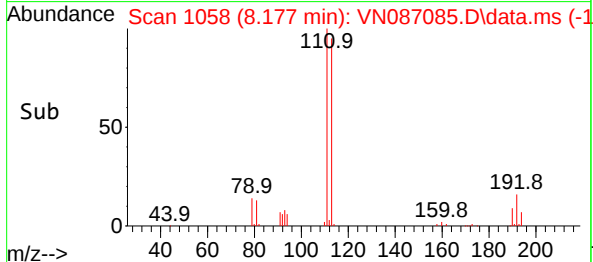
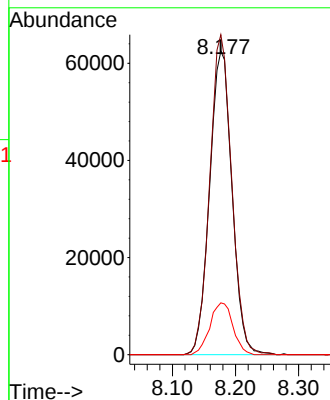
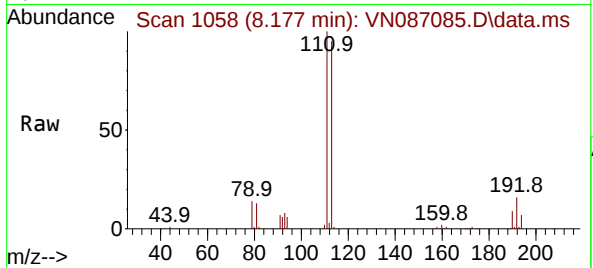




#35
Dibromofluoromethane
Concen: 51.285 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

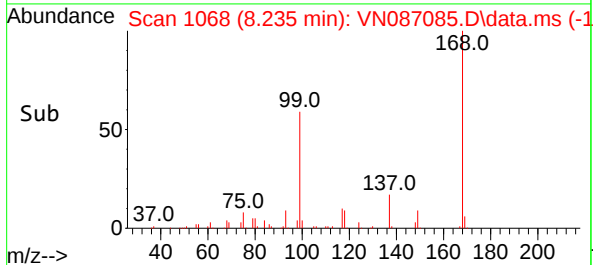
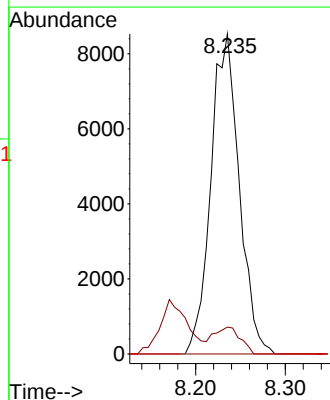
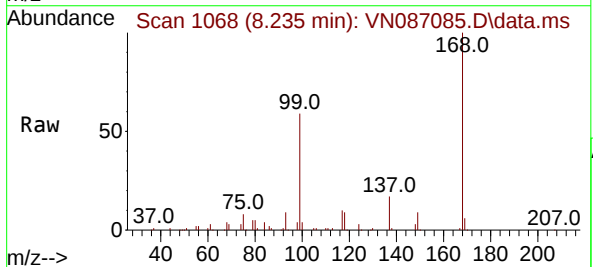
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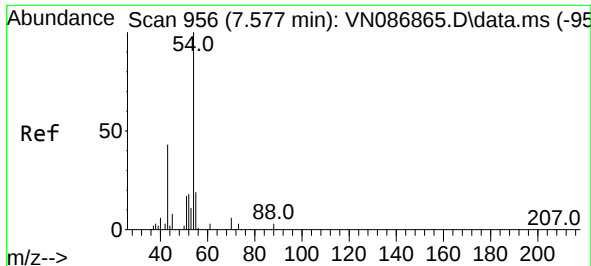
Tgt Ion:113 Resp: 153679
Ion Ratio Lower Upper
113 100
111 103.2 84.2 126.2
192 17.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.187 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion: 75 Resp: 18697
Ion Ratio Lower Upper
75 100
110 7.8 17.6 52.9#
77 0.0 25.3 37.9#

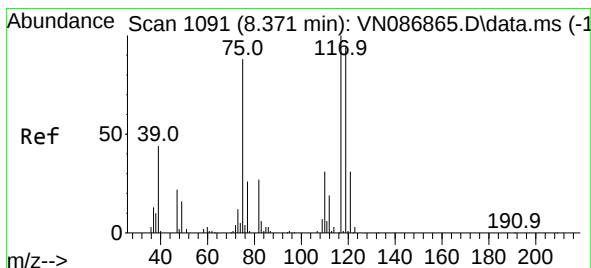
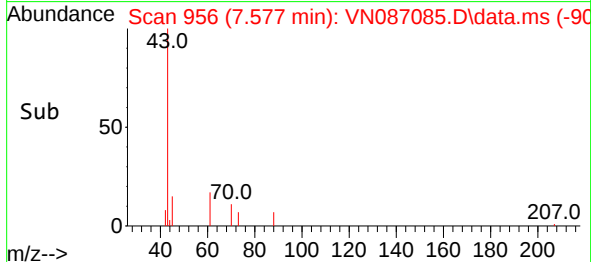
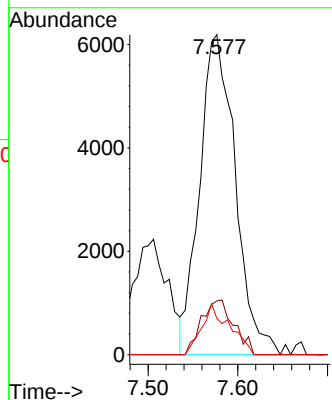
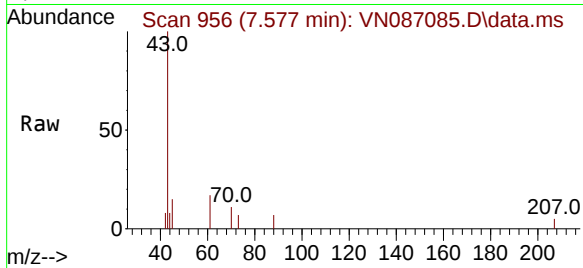




#37
Ethyl Acetate
Concen: 2.999 ug/l
RT: 7.577 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

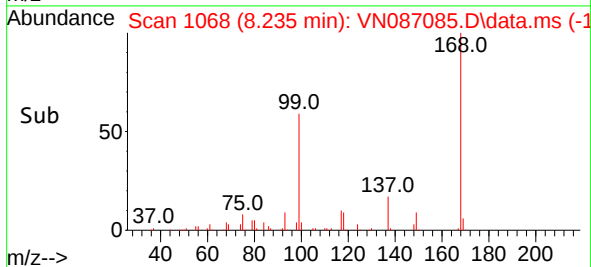
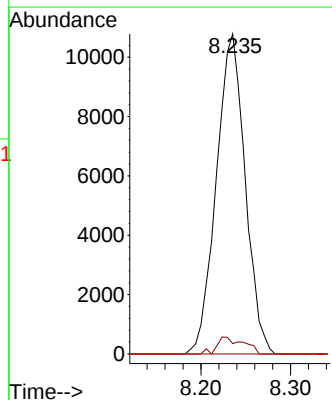
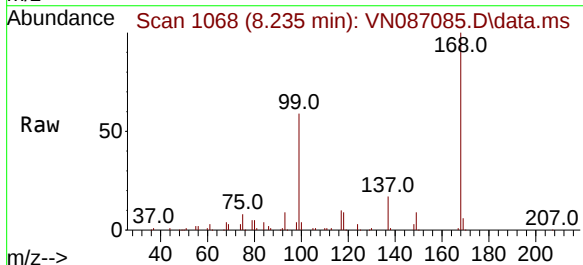
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TP-10

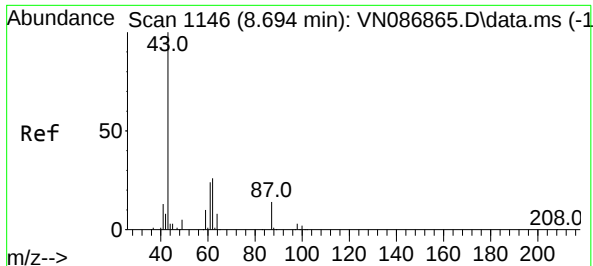
Tgt Ion:	43	Resp:	17049
Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.1	18.1
70	12.3	9.8	14.6



#38
Carbon Tetrachloride
Concen: 5.486 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion:	117	Resp:	24050
Ion	Ratio	Lower	Upper
117	100		
119	3.3	75.0	112.6#
121	0.0	24.9	37.3#

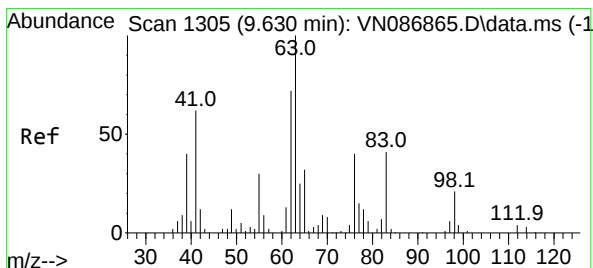
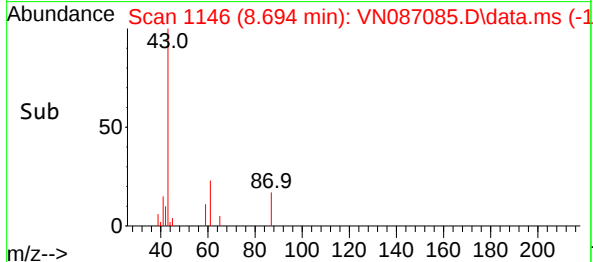
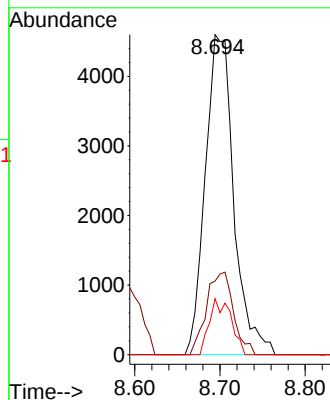
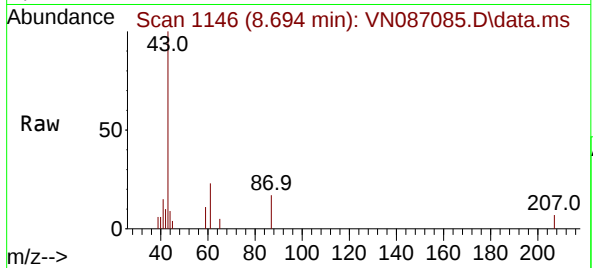




#43
Isopropyl Acetate
Concen: 1.173 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

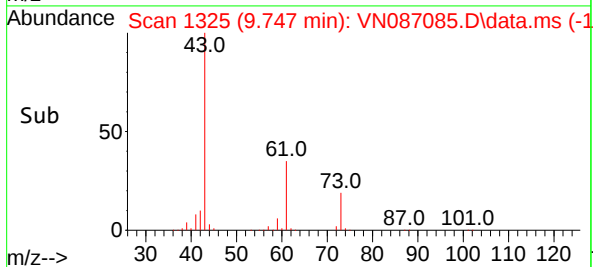
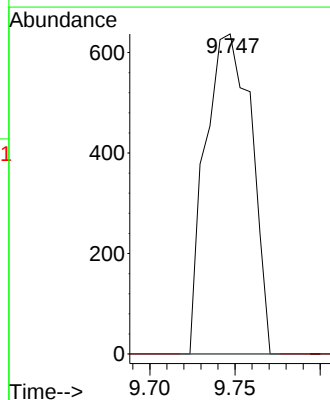
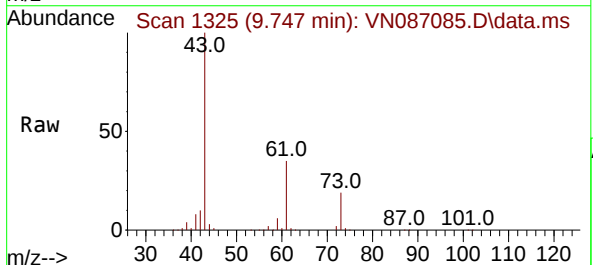
Instrument :
MSVOA_N
ClientSampleId :
TP-10

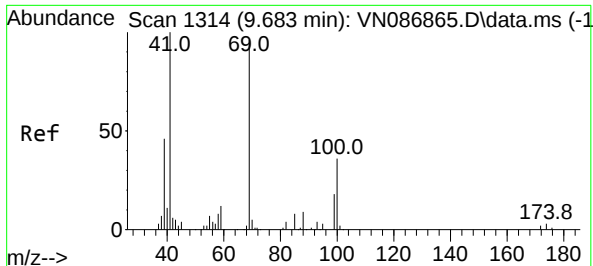
Tgt Ion:	43	Resp:	10704
Ion	Ratio	Lower	Upper
43	100		
61	24.4	22.1	33.1
87	13.3	11.8	17.6



#45
1,2-Dichloropropane
Concen: 0.336 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.117 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion:	63	Resp:	1195
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.5	38.3#

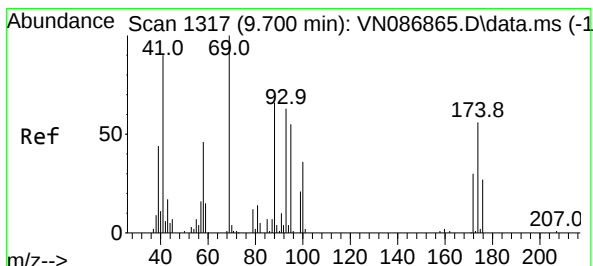
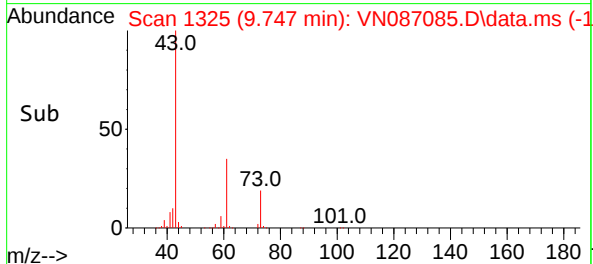
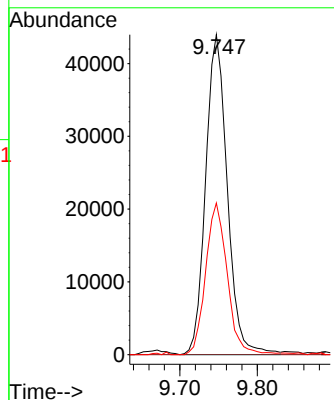
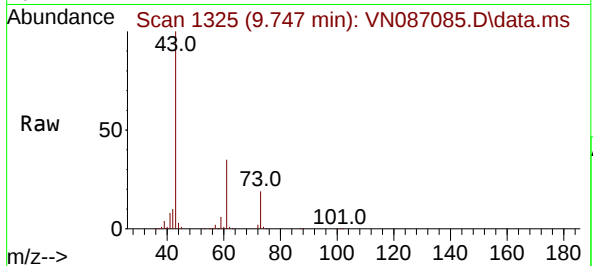




#48
Methyl methacrylate
Concen: 20.290 ug/l
RT: 9.747 min Scan# 1314
Delta R.T. 0.064 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

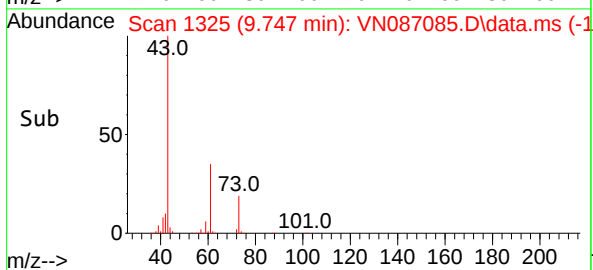
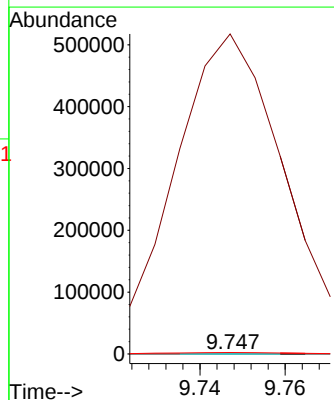
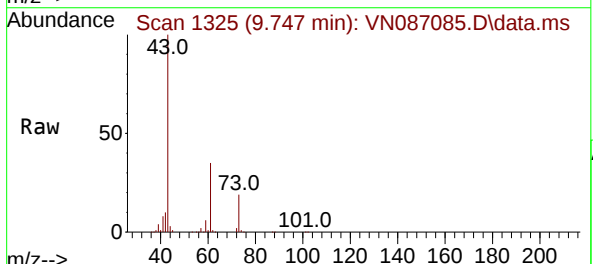
Instrument :
MSVOA_N
ClientSampleId :
TP-10

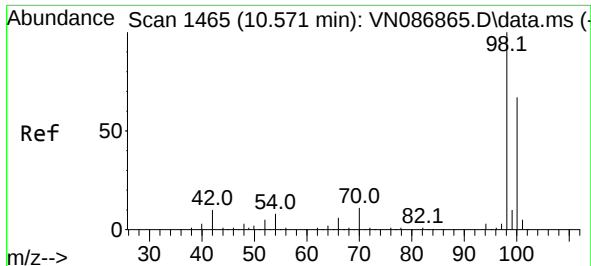
Tgt Ion: 41 Resp: 85200
Ion Ratio Lower Upper
41 100
69 0.0 74.6 112.0#
39 47.8 40.2 60.4



#49
1,4-Dioxane
Concen: 0.707 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.047 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 1823103.7 0.0 0.0#
58 9125.9 57.7 86.5#

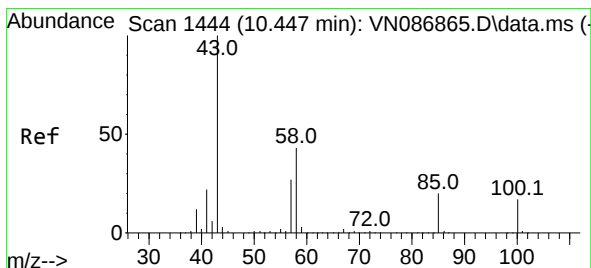
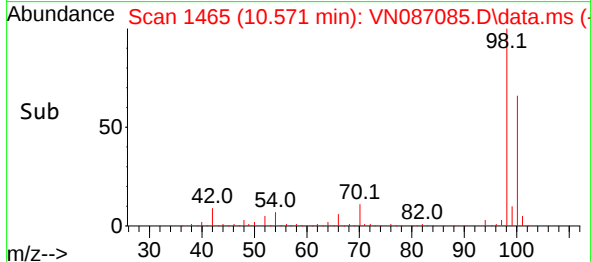
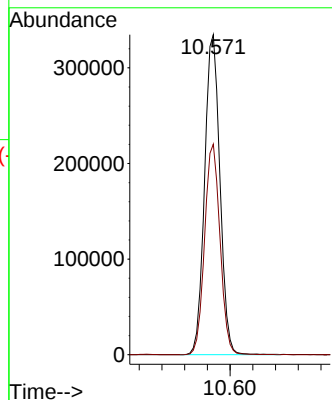
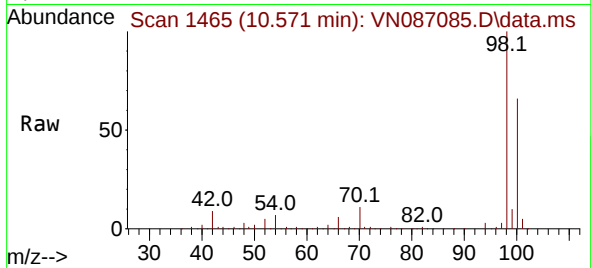




#50
Toluene-d8
Concen: 52.709 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

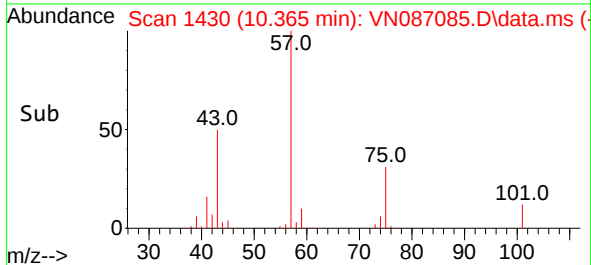
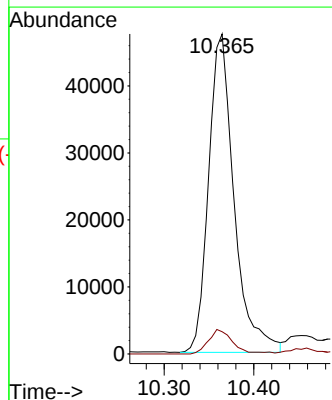
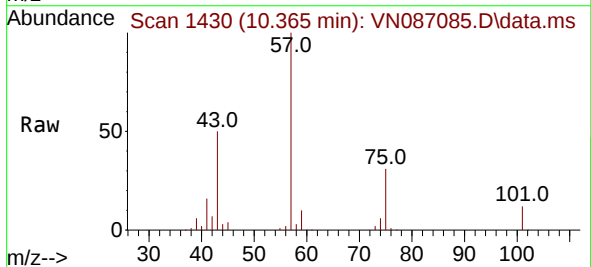
Instrument :
MSVOA_N
ClientSampleId :
TP-10

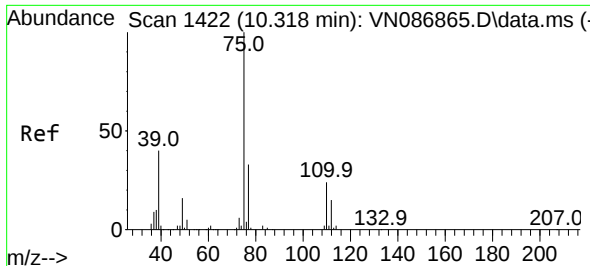
Tgt Ion: 98 Resp: 625267
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 17.094 ug/l
RT: 10.365 min Scan# 1430
Delta R.T. -0.083 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion: 43 Resp: 93887
Ion Ratio Lower Upper
43 100
58 7.4 34.2 51.4#

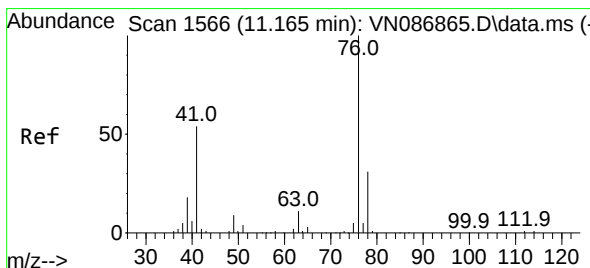
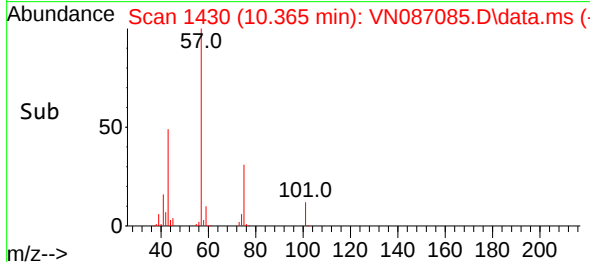
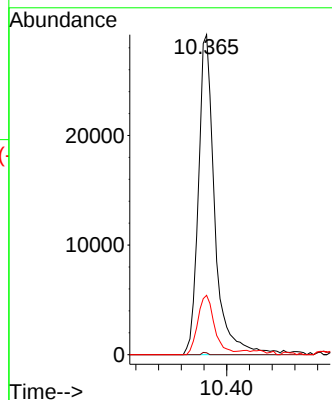
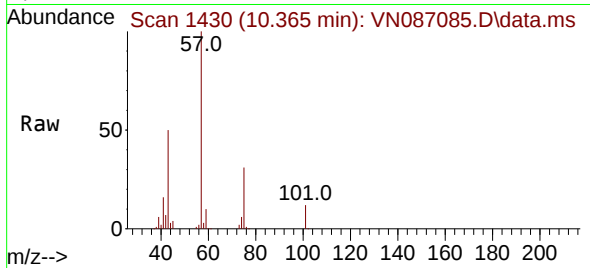




#54
 cis-1,3-Dichloropropene
 Concen: 10.053 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN087085.D
 Acq: 18 Jun 2025 15:02

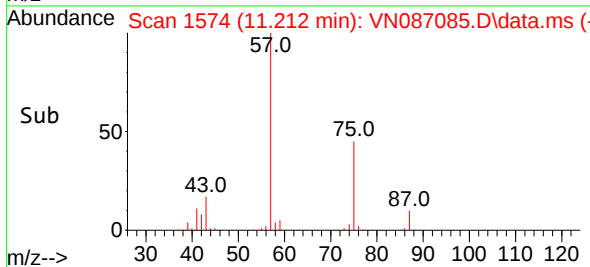
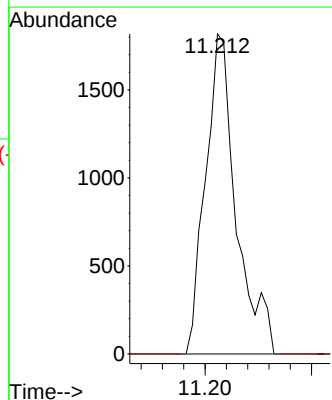
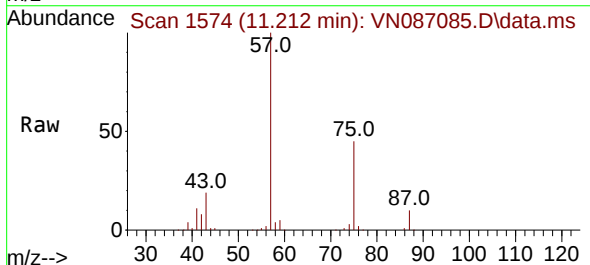
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-10

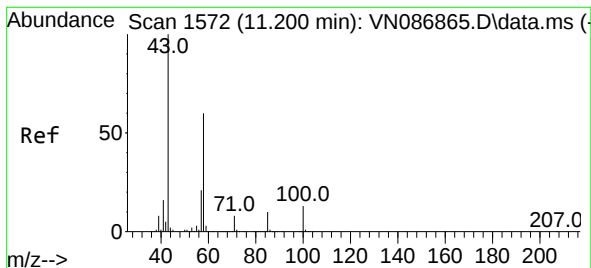
Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.6	26.2	39.4#
39	18.5	32.3	48.5#



#57
 1,3-Dichloropropane
 Concen: 0.609 ug/l
 RT: 11.212 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: VN087085.D
 Acq: 18 Jun 2025 15:02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.3	37.9#

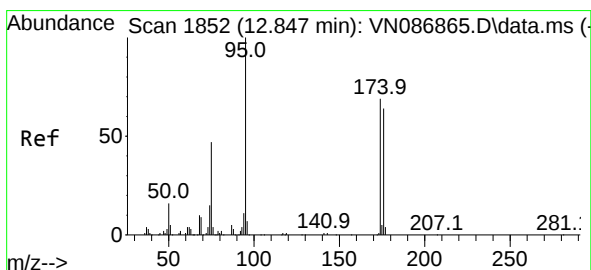
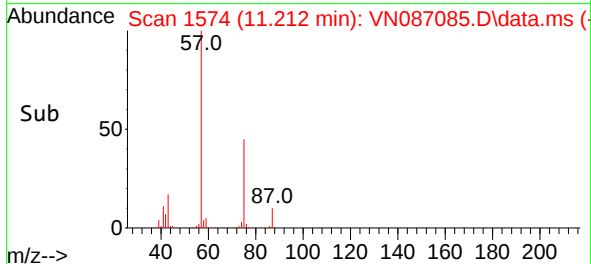
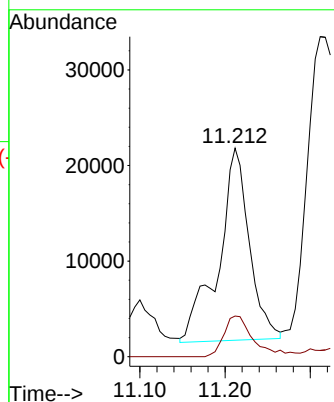
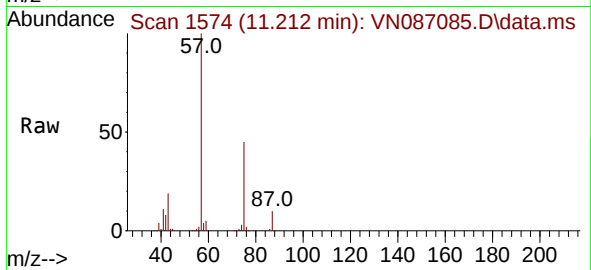




#59
2-Hexanone
Concen: 14.329 ug/l
RT: 11.212 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

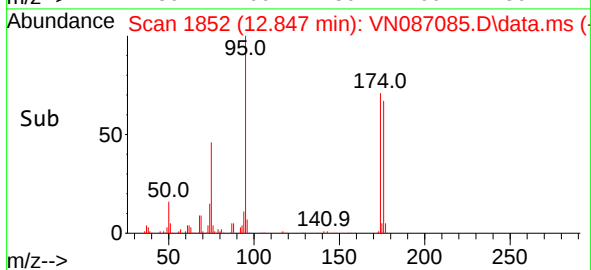
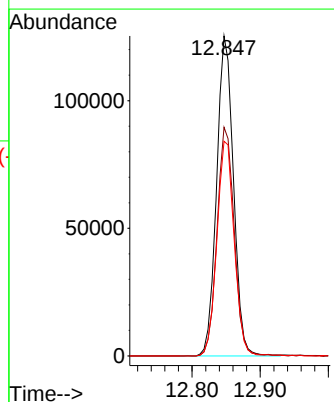
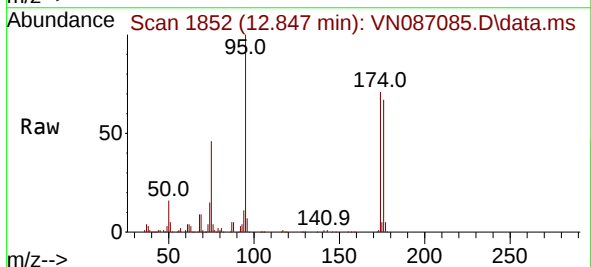
Instrument :
MSVOA_N
ClientSampleId :
TP-10

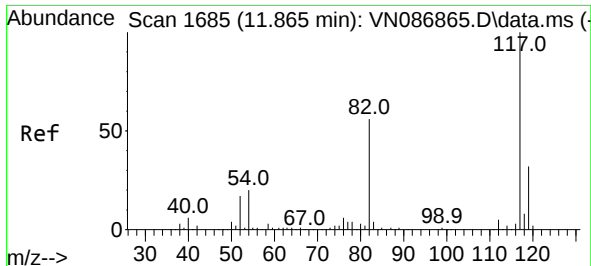
Tgt Ion: 43 Resp: 50692
Ion Ratio Lower Upper
43 100
58 20.7 30.4 91.3#



#62
4-Bromofluorobenzene
Concen: 48.905 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion: 95 Resp: 215540
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.8
176 69.2 0.0 132.6

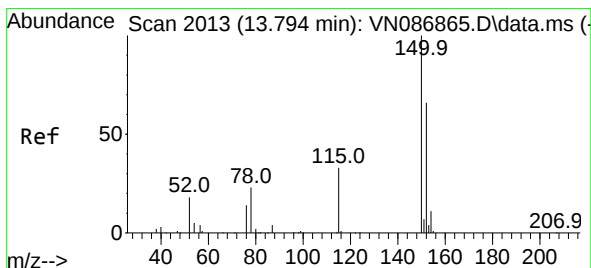
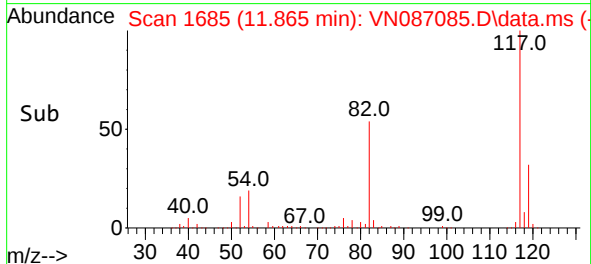
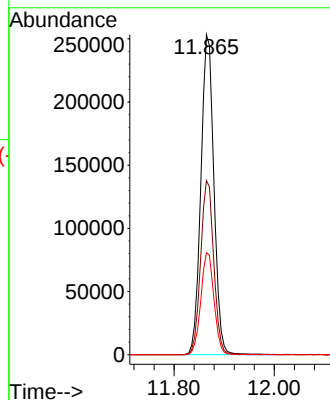
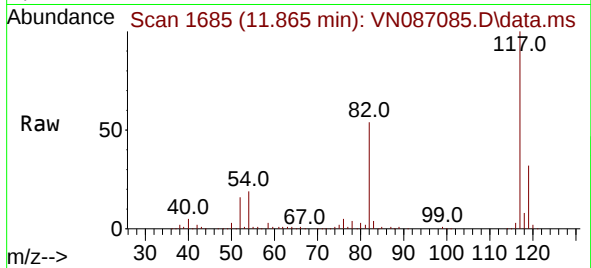




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

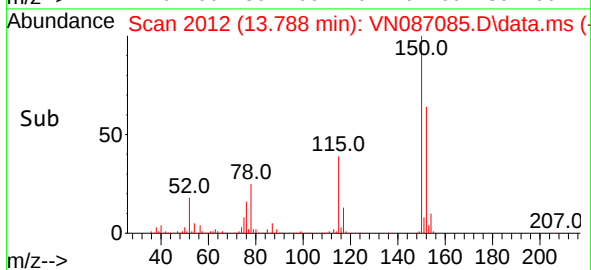
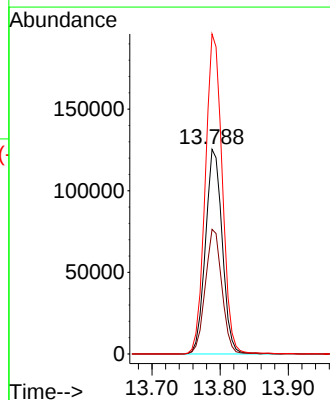
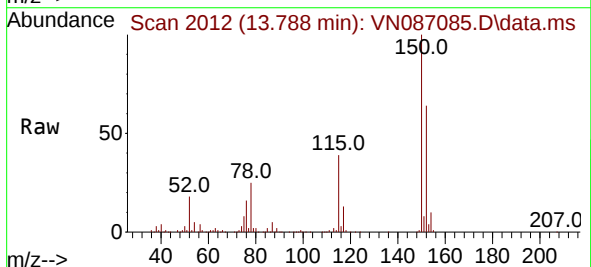
Instrument :
MSVOA_N
ClientSampleId :
TP-10

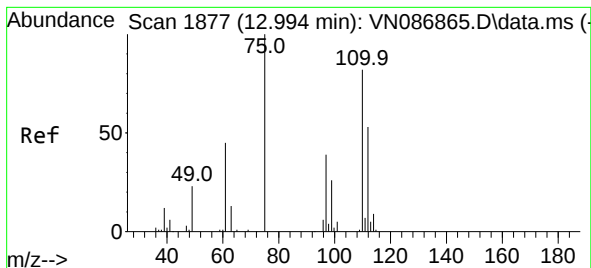
Tgt Ion:117 Resp: 456673
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 31.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087085.D
Acq: 18 Jun 2025 15:02

Tgt Ion:152 Resp: 214657
Ion Ratio Lower Upper
152 100
115 60.2 30.1 90.5
150 157.8 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.603 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087085.D

Acq: 18 Jun 2025 15:02

Instrument :

MSVOA_N

ClientSampleId :

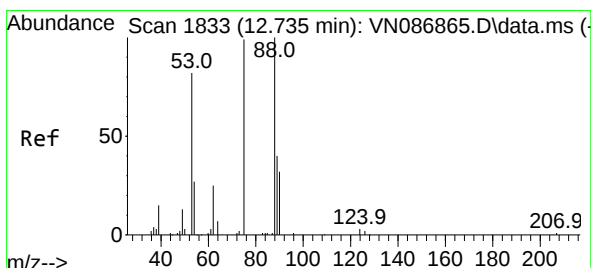
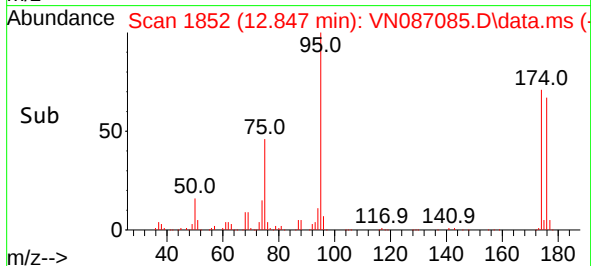
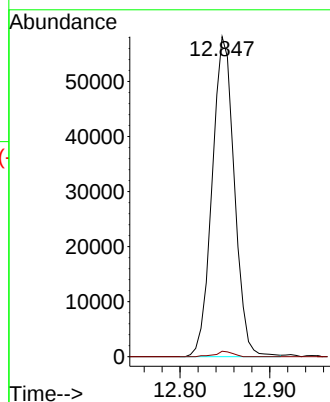
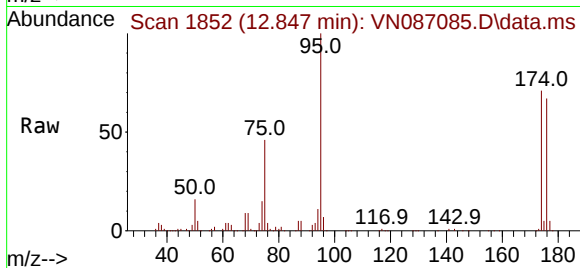
TP-10

Tgt Ion: 75 Resp: 100024

Ion Ratio Lower Upper

75 100

77 1.3 79.3 237.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 45.125 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087085.D

Acq: 18 Jun 2025 15:02

Tgt Ion: 75 Resp: 100024

Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.2 36.7 55.1#

