

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031225\
 Data File : VN085967.D
 Acq On : 12 Mar 2025 18:06
 Operator : JC\MD
 Sample : Q1507-01ME
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50-MIDDLESEX-AVE

Quant Time: Mar 13 01:42:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:43:32 2025
 Response via : Initial Calibration

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

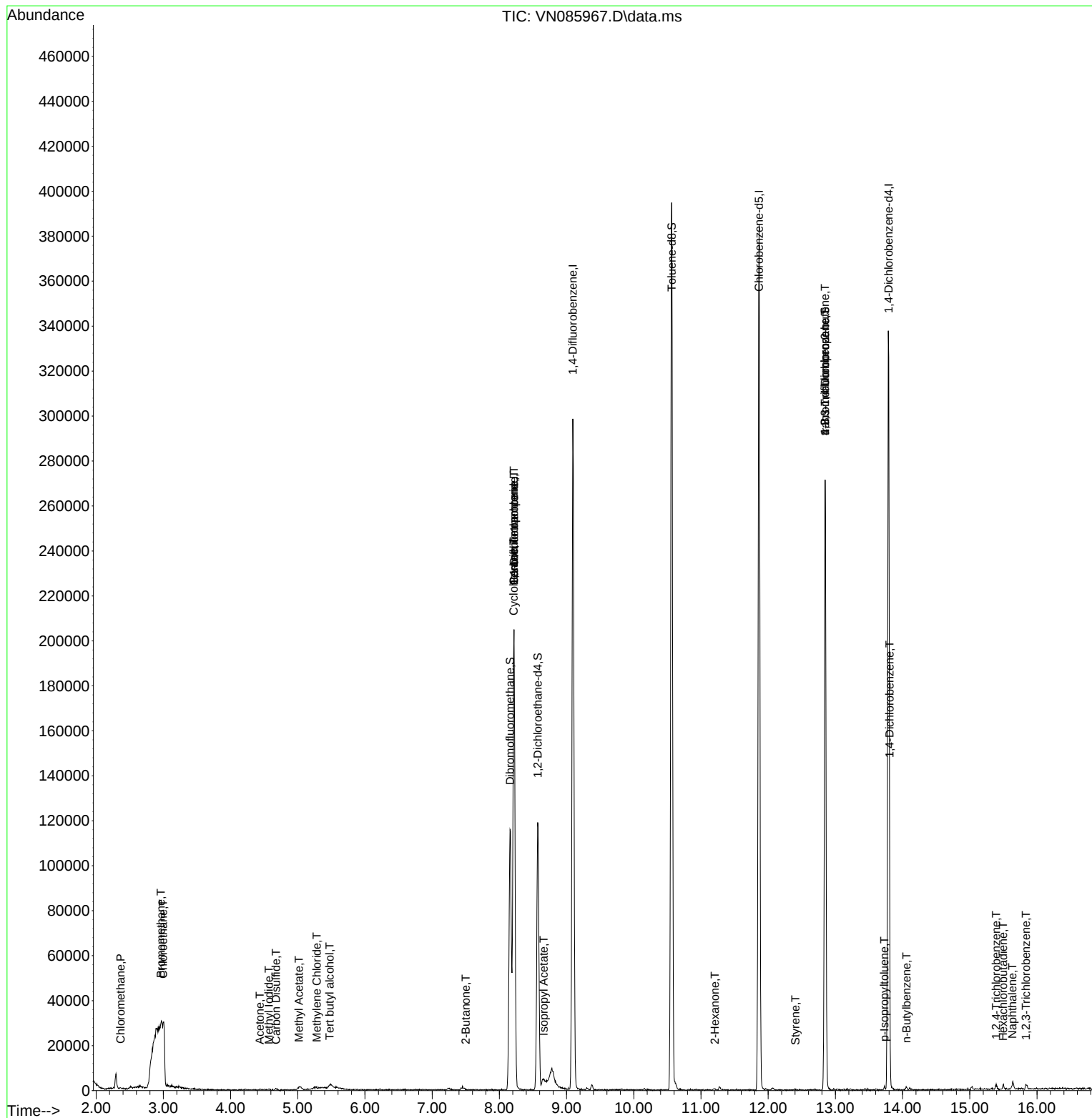
Internal Standards						
1) Pentafluorobenzene	8.218	168	143245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	255110	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	224446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	94391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	101846	54.841	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.680%			
35) Dibromofluoromethane	8.159	113	83399	49.960	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.920%			
50) Toluene-d8	10.565	98	282832	46.568	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.140%			
62) 4-Bromofluorobenzene	12.847	95	95549	47.749	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.500%			
Target Compounds					Qvalue	
3) Chloromethane	2.365	50	501	0.256	ug/l #	41
5) Bromomethane	2.965	94	560	0.423	ug/l #	5
6) Chloroethane	2.995	64	595	0.434	ug/l #	41
10) Methyl Iodide	4.571	142	510	0.239	ug/l #	38
11) Tert butyl alcohol	5.477	59	1921	8.410	ug/l #	72
16) Acetone	4.436	43	458	0.779	ug/l #	22
17) Carbon Disulfide	4.677	76	1275	0.274	ug/l #	75
18) Methyl Acetate	5.018	43	1497	0.741	ug/l #	52
20) Methylene Chloride	5.283	84	696	0.368	ug/l #	45
25) 2-Butanone	7.500	43	341	0.394	ug/l #	45
31) Cyclohexane	8.212	56	3230	1.218	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	11594	4.907	ug/l #	48
38) Carbon Tetrachloride	8.218	117	15603	5.558	ug/l #	16
43) Isopropyl Acetate	8.659	43	4424	0.759	ug/l #	53
58) 2-Chloroethyl Vinyl ether	10.165	63	306	Below Cal	#	46
59) 2-Hexanone	11.206	43	679	0.527	ug/l #	32
70) Styrene	12.406	104	65	0.597	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	48047	22.915	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	48047	66.861	ug/l #	12
86) p-Isopropyltoluene	13.729	119	636	0.744	ug/l #	69
88) 1,4-Dichlorobenzene	13.806	146	940	0.280	ug/l #	6
89) n-Butylbenzene	14.059	91	1101	0.248	ug/l #	40
93) 1,2,4-Trichlorobenzene	15.394	180	861	0.574	ug/l	93
94) Hexachlorobutadiene	15.494	225	592	0.649	ug/l #	32
95) Naphthalene	15.635	128	4209	1.022	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.835	180	1352	0.898	ug/l #	73

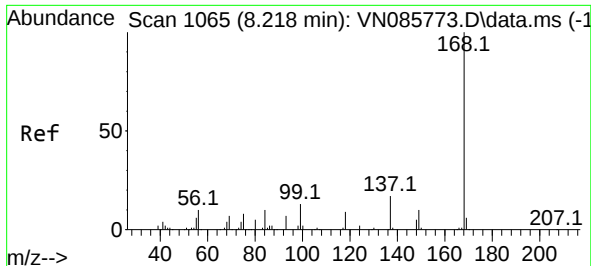
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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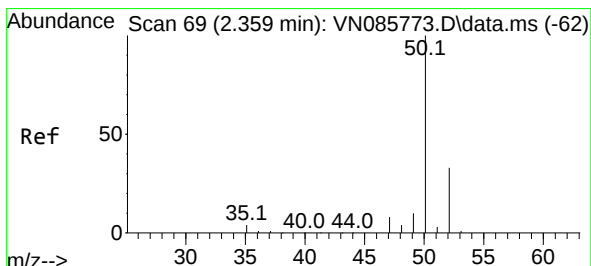
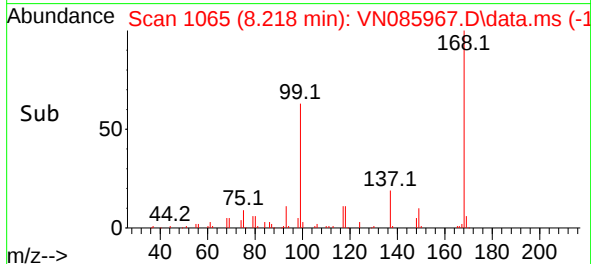
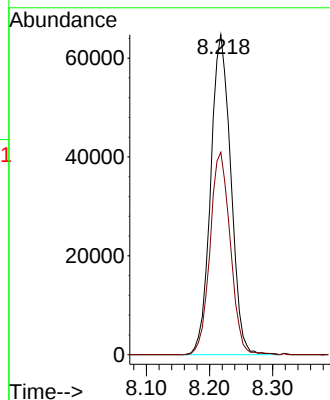
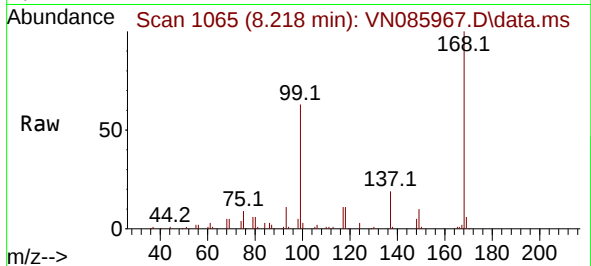




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

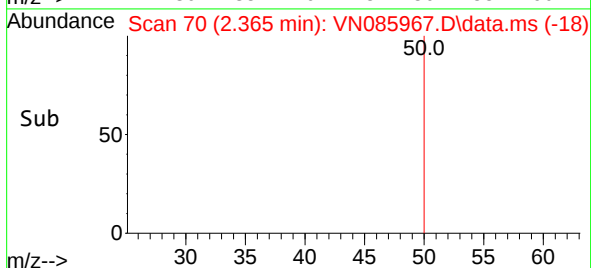
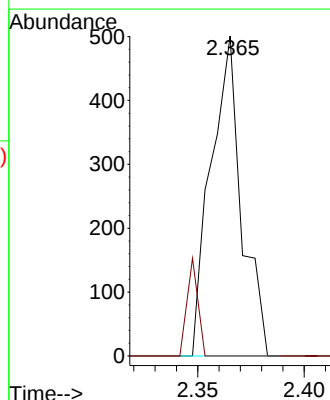
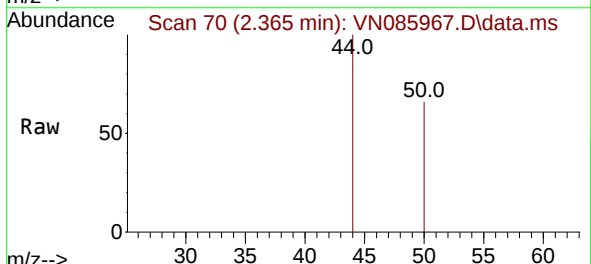
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

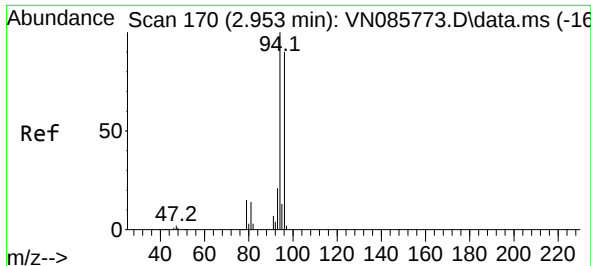
Tgt Ion:168 Resp: 143245
Ion Ratio Lower Upper
168 100
99 63.3 47.9 71.9



#3
Chloromethane
Concen: 0.256 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 0.0 26.7 40.1#

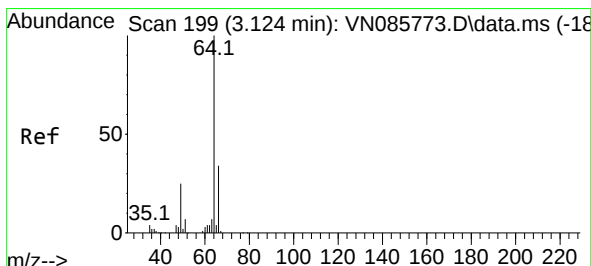
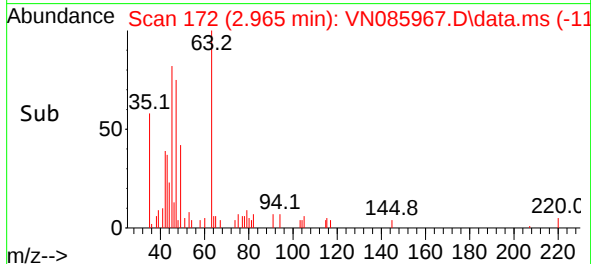
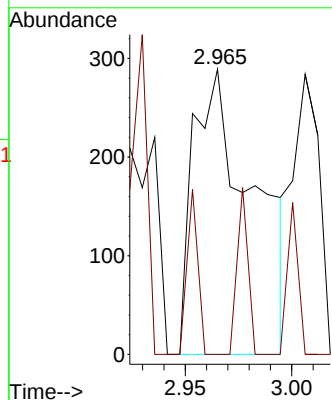
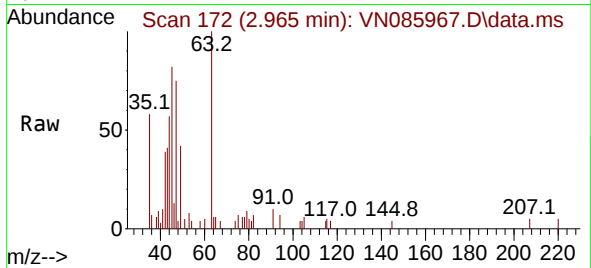




#5
Bromomethane
Concen: 0.423 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

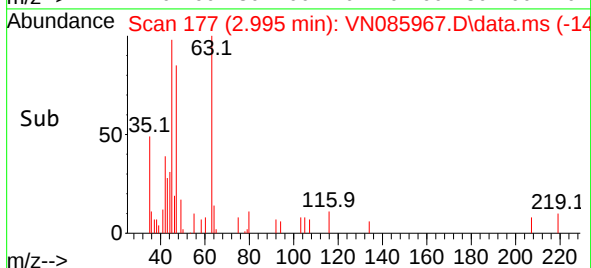
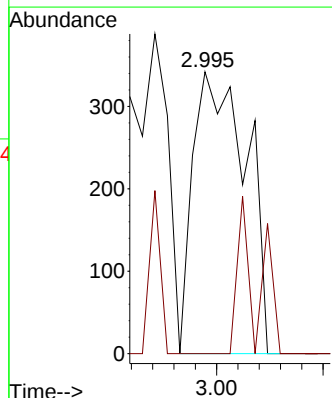
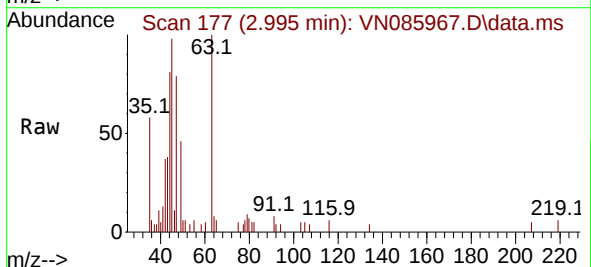
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

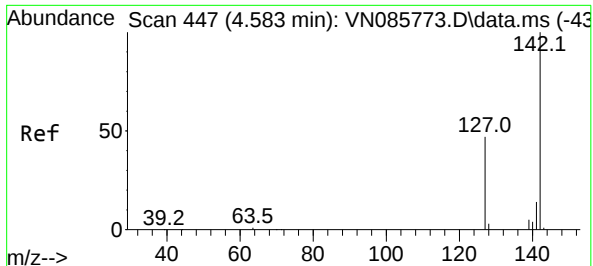
Tgt Ion: 94 Resp: 560
Ion Ratio Lower Upper
94 100
96 0.0 71.7 107.5#



#6
Chloroethane
Concen: 0.434 ug/l
RT: 2.995 min Scan# 177
Delta R.T. -0.130 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

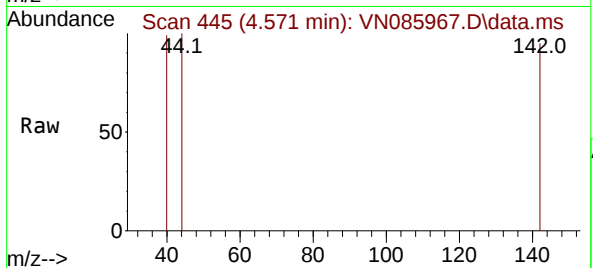
Tgt Ion: 64 Resp: 595
Ion Ratio Lower Upper
64 100
66 0.0 27.0 40.6#



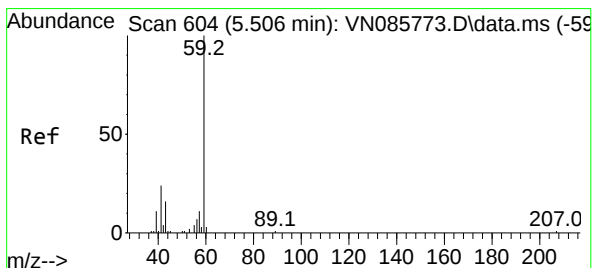
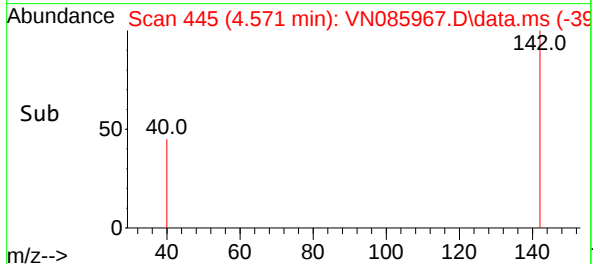
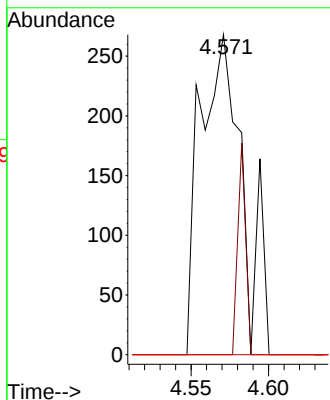


#10
Methyl Iodide
Concen: 0.239 ug/l
RT: 4.571 min Scan# 445
Delta R.T. -0.012 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

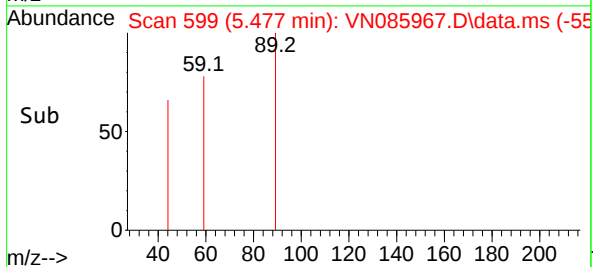
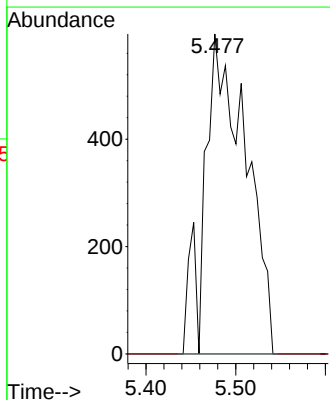
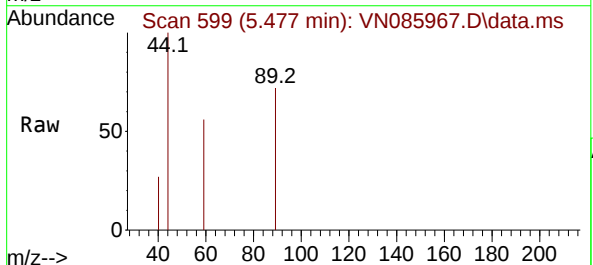


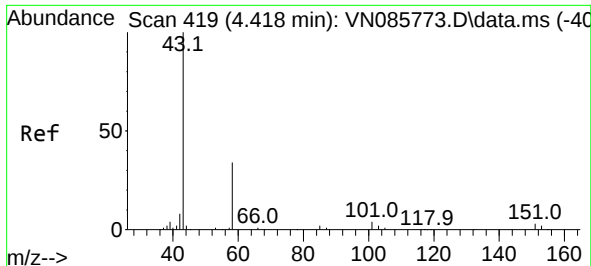
Tgt Ion:142 Resp: 510
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 8.410 ug/l
RT: 5.477 min Scan# 599
Delta R.T. -0.030 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 59 Resp: 1921
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

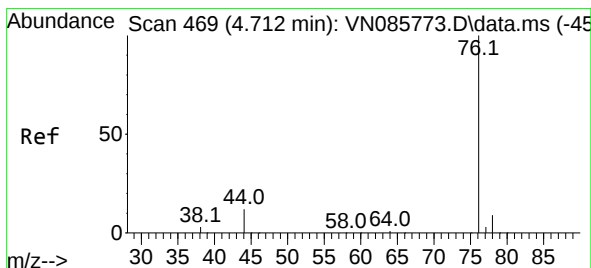
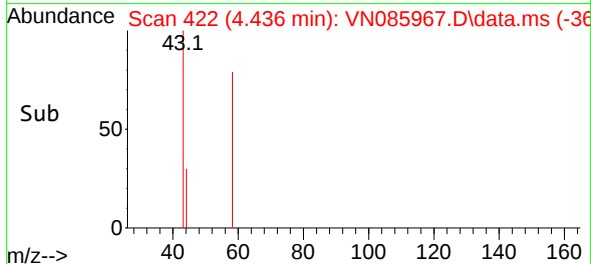
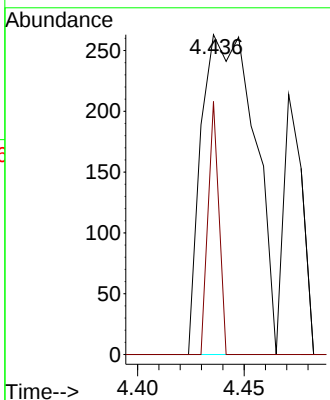
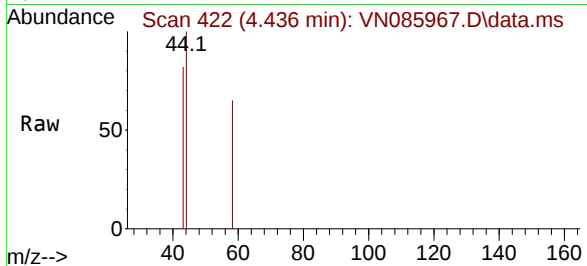




#16
Acetone
Concen: 0.779 ug/l
RT: 4.436 min Scan# 419
Delta R.T. 0.018 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

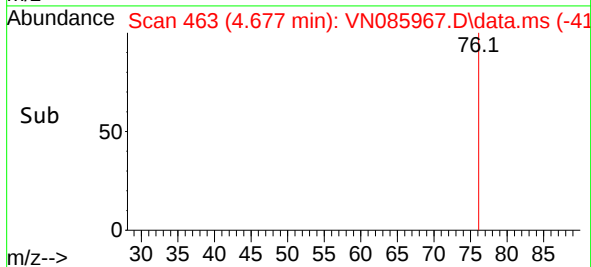
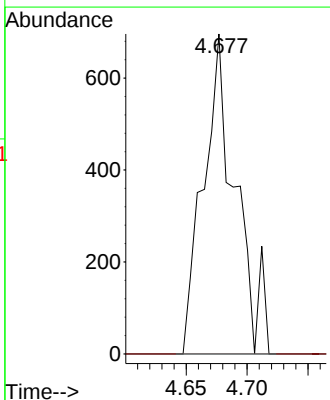
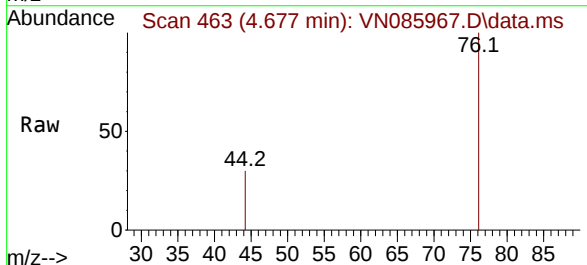
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

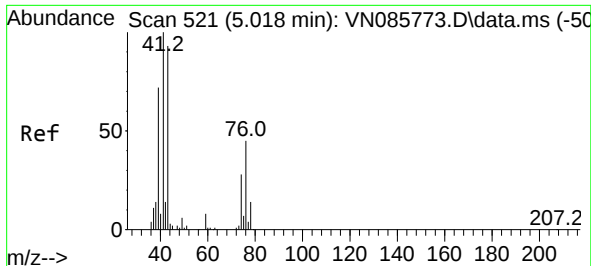
Tgt Ion: 43 Resp: 458
Ion Ratio Lower Upper
43 100
58 79.1 27.5 41.3#



#17
Carbon Disulfide
Concen: 0.274 ug/l
RT: 4.677 min Scan# 463
Delta R.T. -0.035 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 76 Resp: 1275
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

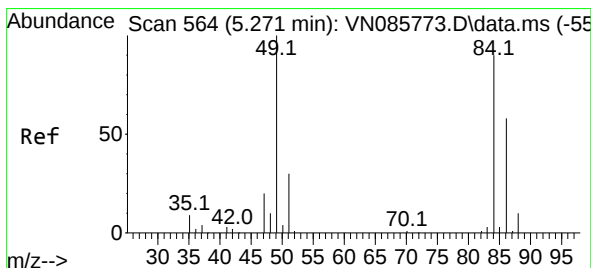
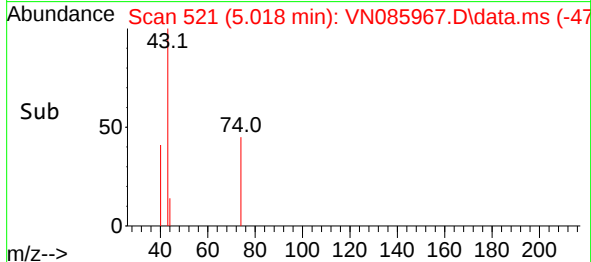
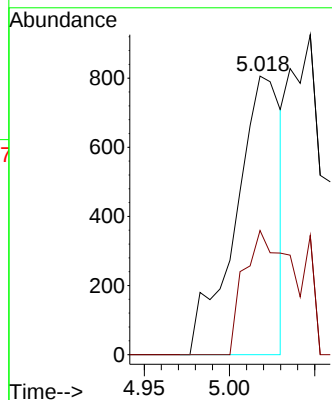
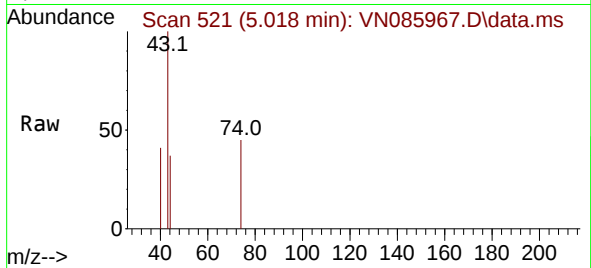




#18
Methyl Acetate
Concen: 0.741 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

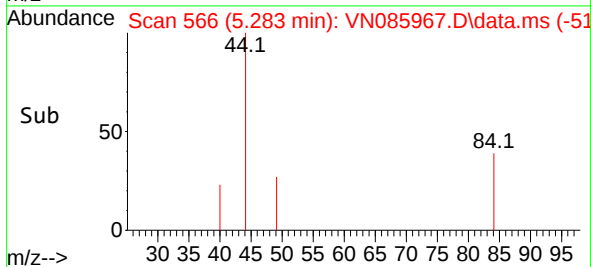
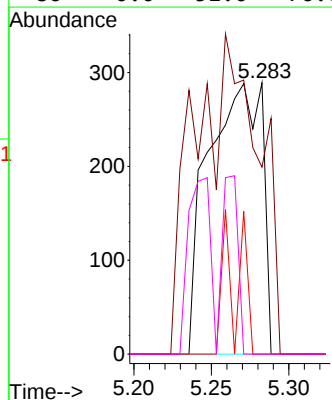
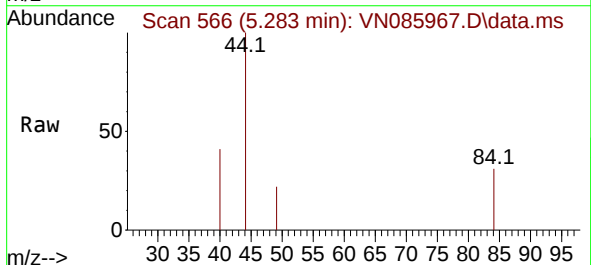
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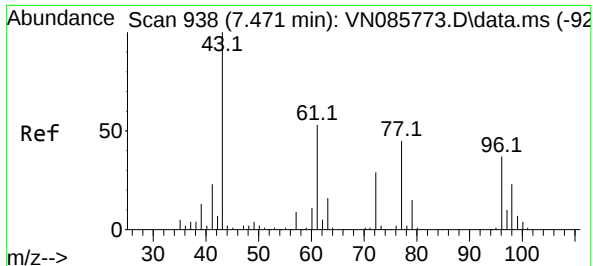
Tgt Ion: 43 Resp: 1497
Ion Ratio Lower Upper
43 100
74 52.9 22.2 33.4#



#20
Methylene Chloride
Concen: 0.368 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 84 Resp: 696
Ion Ratio Lower Upper
84 100
49 68.9 88.4 132.6#
51 0.0 26.6 40.0#
86 0.0 51.0 76.6#





#25

2-Butanone

Concen: 0.394 ug/l

RT: 7.500 min Scan# 94

Delta R.T. 0.029 min

Lab File: VN085967.D

Acq: 12 Mar 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

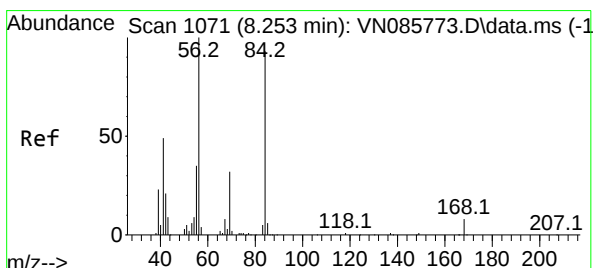
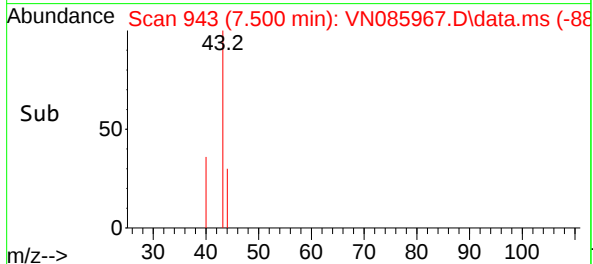
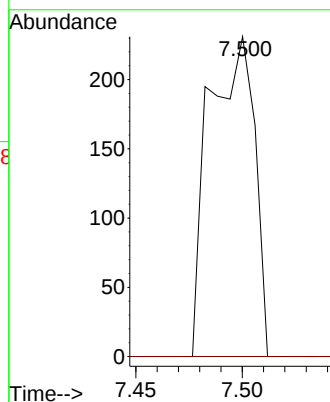
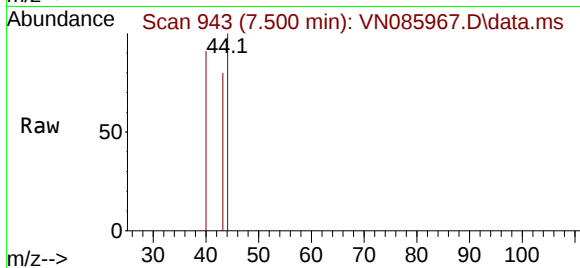
50-MIDDLESEX-AVE

Tgt Ion: 43 Resp: 341

Ion Ratio Lower Upper

43 100

72 0.0 23.6 35.4#



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

Lab File: VN085967.D

Acq: 12 Mar 2025 18:06

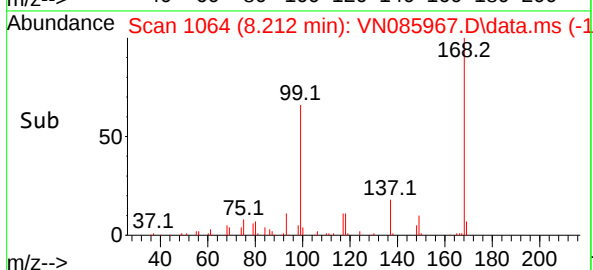
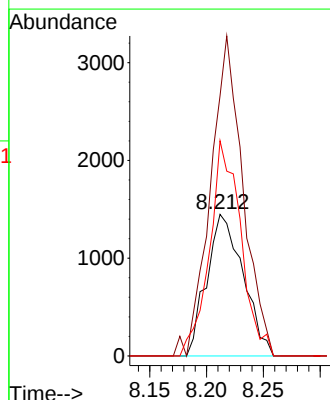
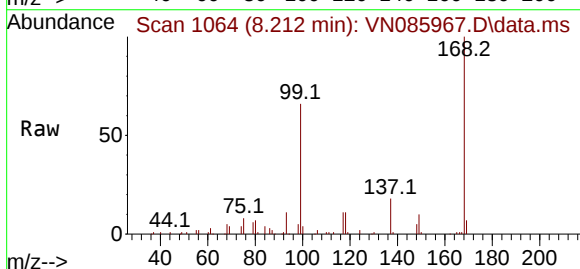
Tgt Ion: 56 Resp: 3230

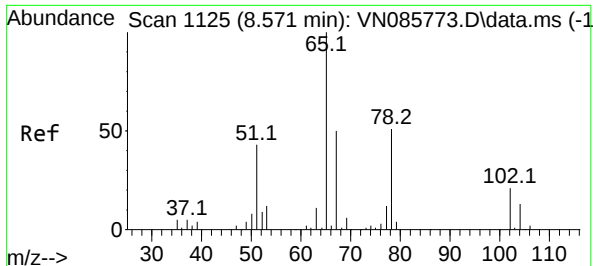
Ion Ratio Lower Upper

56 100

69 183.6 25.8 38.6#

84 152.0 74.5 111.7#





#33

1,2-Dichloroethane-d4

Concen: 54.841 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN085967.D

Acq: 12 Mar 2025 18:06

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ClientSampleId :

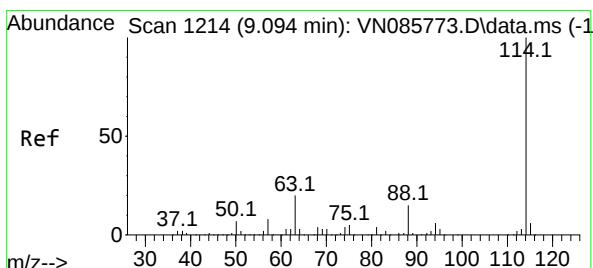
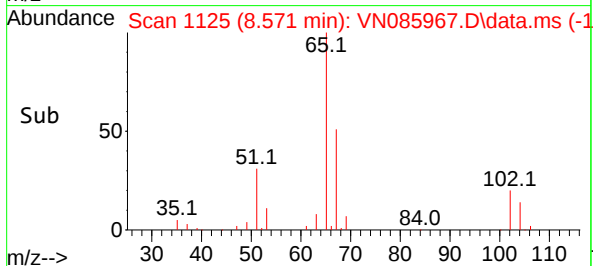
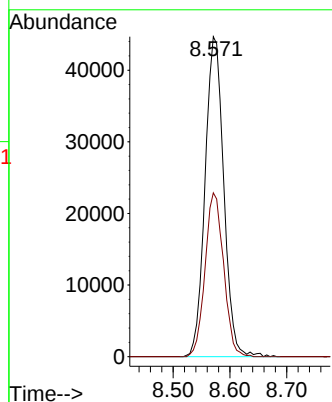
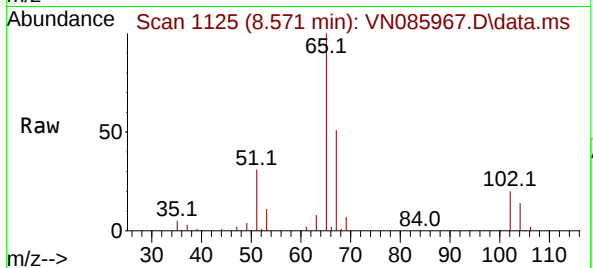
50-MIDDLESEX-AVE

Tgt Ion: 65 Resp: 101846

Ion Ratio Lower Upper

65 100

67 50.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VN085967.D

Acq: 12 Mar 2025 18:06

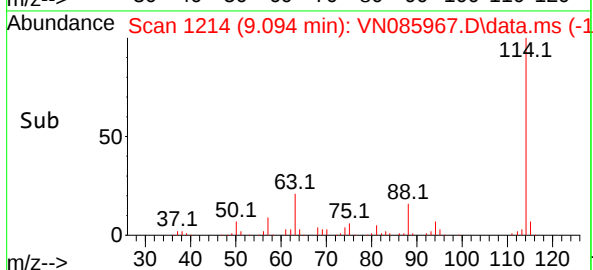
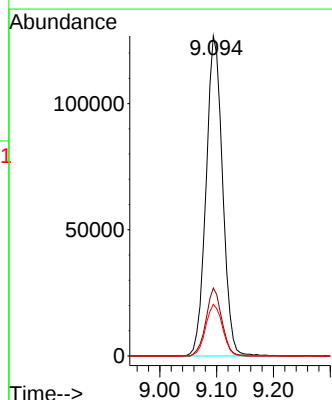
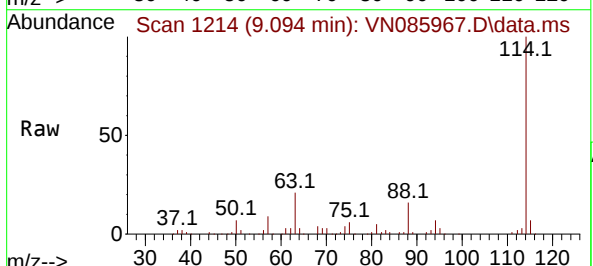
Tgt Ion: 114 Resp: 255110

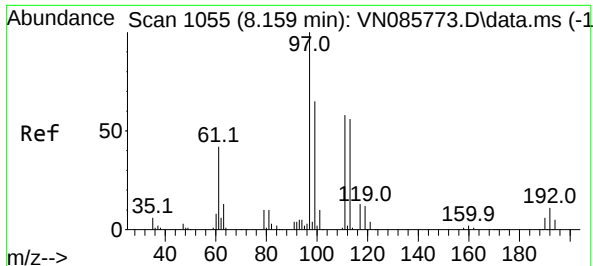
Ion Ratio Lower Upper

114 100

63 21.2 0.0 39.2

88 16.1 0.0 30.0





#35

Dibromofluoromethane

Concen: 49.960 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN085967.D

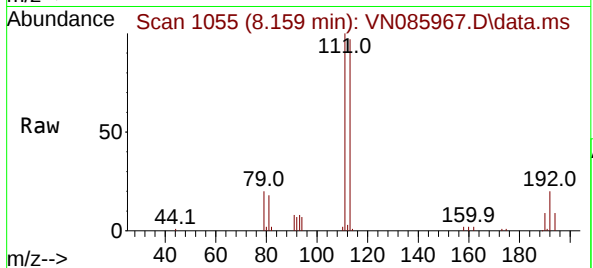
Acq: 12 Mar 2025 18:06

Instrument :

MSVOA_N

ClientSampleId :

50-MIDDLESEX-AVE



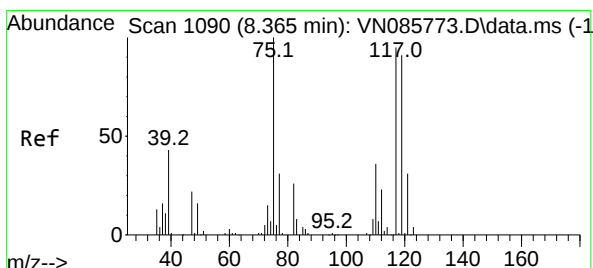
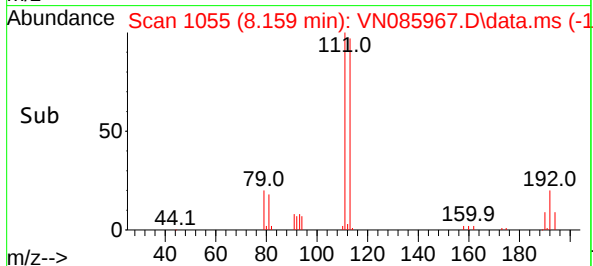
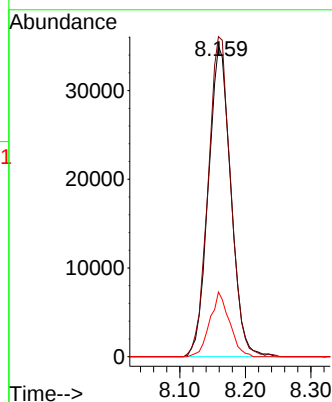
Tgt Ion:113 Resp: 83399

Ion Ratio Lower Upper

113 100

111 103.6 82.2 123.4

192 18.1 14.7 22.1



#36

1,1-Dichloropropene

Concen: 4.907 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN085967.D

Acq: 12 Mar 2025 18:06

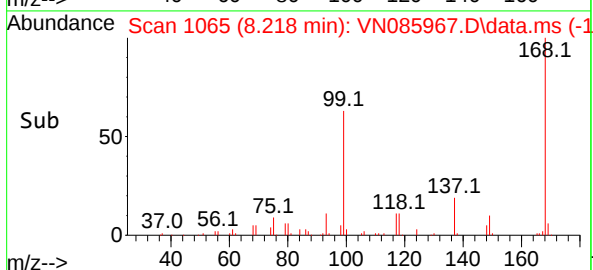
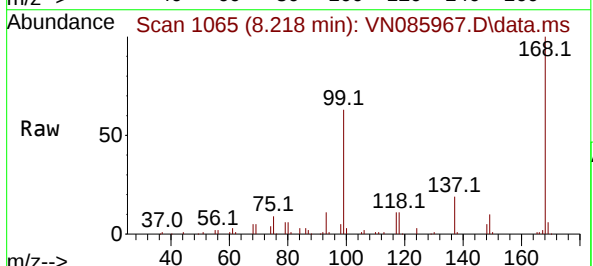
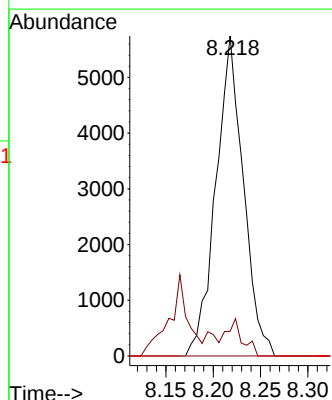
Tgt Ion: 75 Resp: 11594

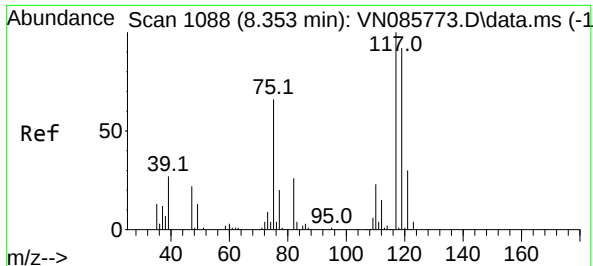
Ion Ratio Lower Upper

75 100

110 6.8 17.3 52.0#

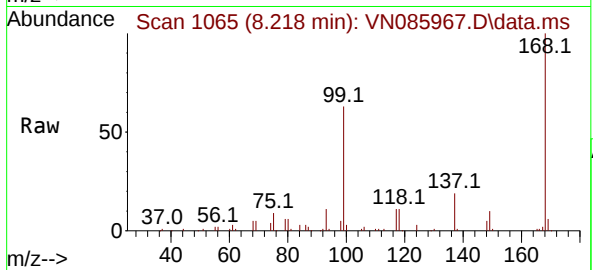
77 0.0 24.6 37.0#



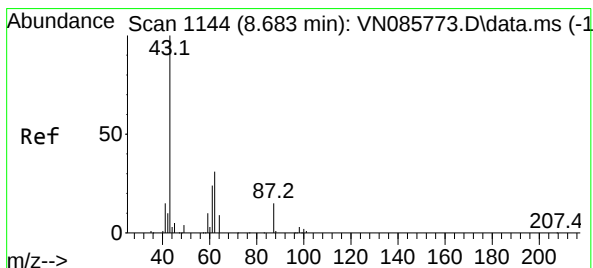
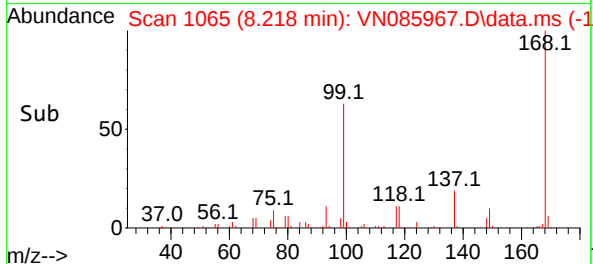
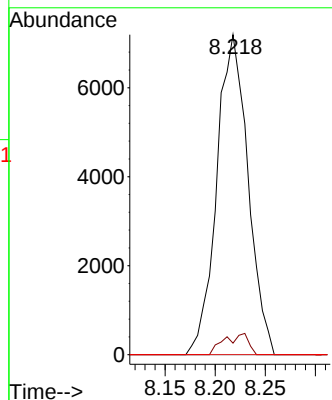


#38
Carbon Tetrachloride
Concen: 5.558 ug/l
RT: 8.218 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

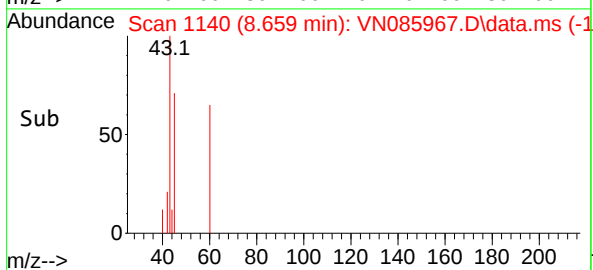
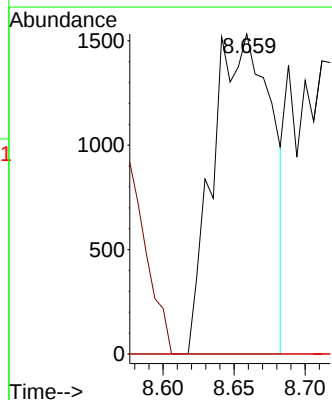
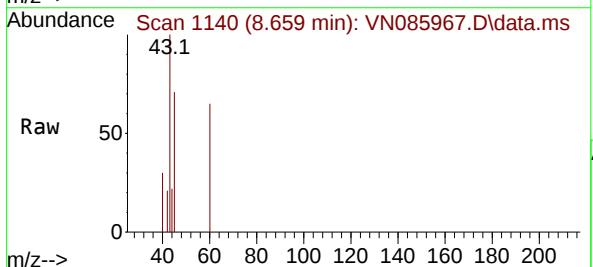


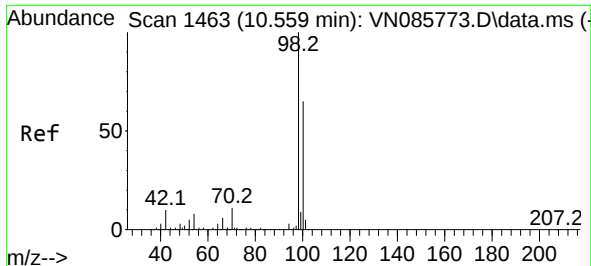
Tgt Ion:117 Resp: 15603
Ion Ratio Lower Upper
117 100
119 3.6 73.8 110.6#
121 0.0 24.3 36.5#



#43
Isopropyl Acetate
Concen: 0.759 ug/l
RT: 8.659 min Scan# 1140
Delta R.T. -0.024 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 43 Resp: 4424
Ion Ratio Lower Upper
43 100
61 0.0 22.6 34.0#
87 0.0 11.8 17.8#

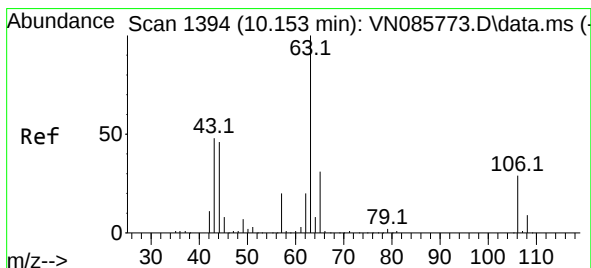
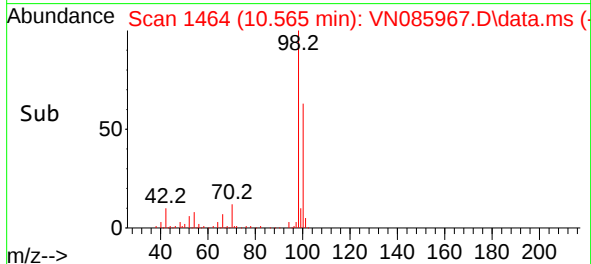
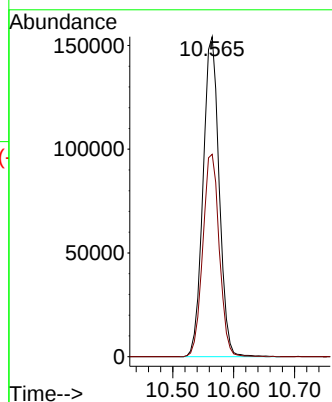
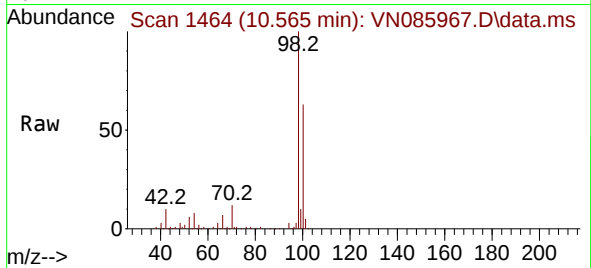




#50
Toluene-d8
Concen: 46.568 ug/l
RT: 10.565 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

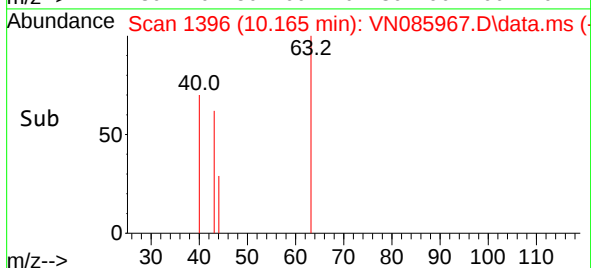
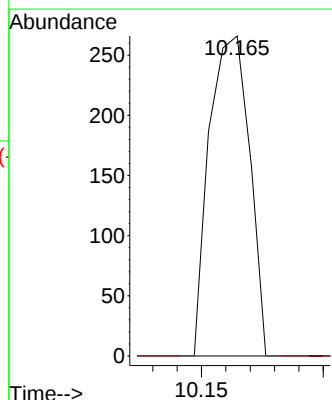
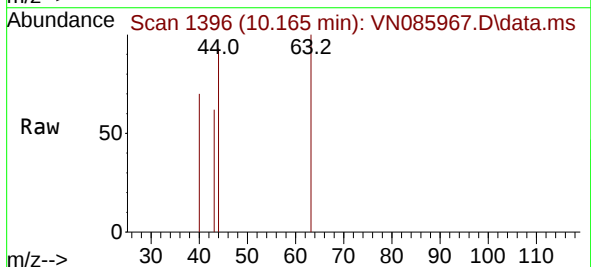
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

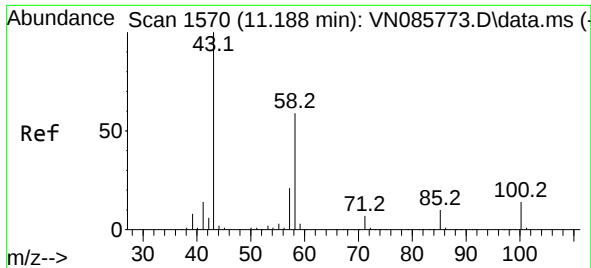
Tgt Ion: 98 Resp: 282832
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 10.165 min Scan# 1396
Delta R.T. 0.012 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 63 Resp: 306
Ion Ratio Lower Upper
63 100
106 0.0 22.7 34.1#

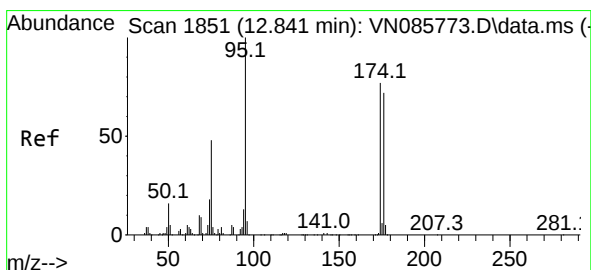
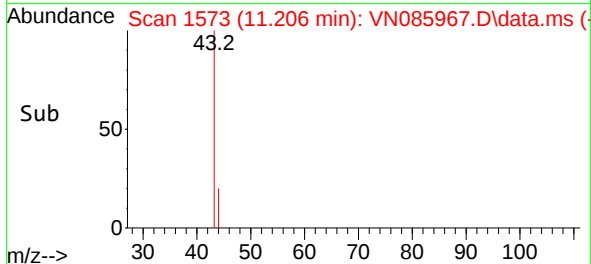
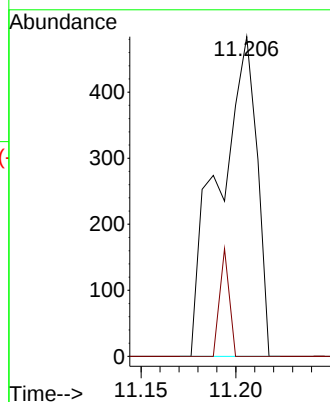
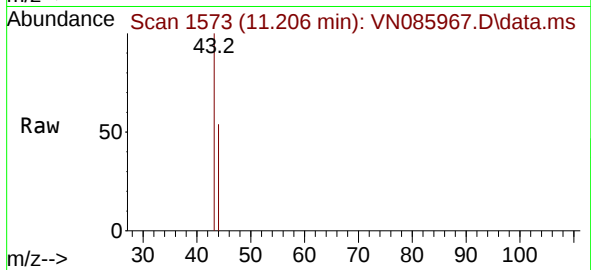




#59
2-Hexanone
Concen: 0.527 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

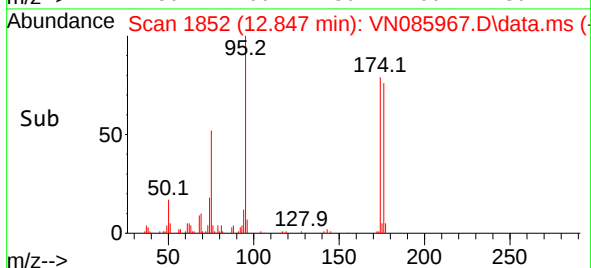
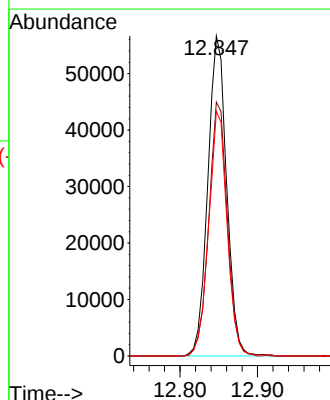
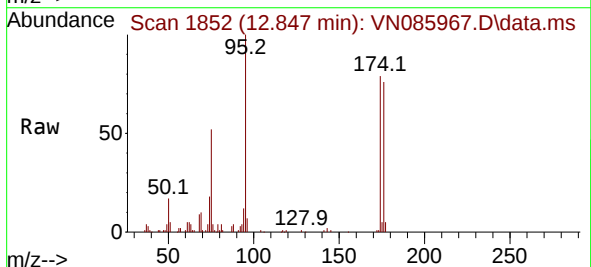
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

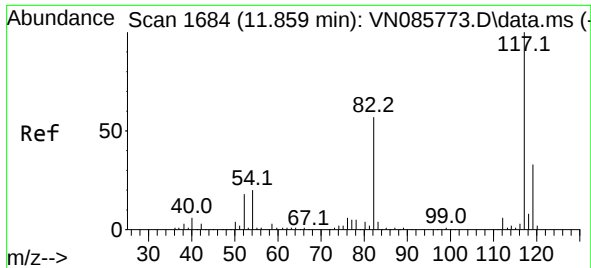
Tgt Ion: 43 Resp: 679
Ion Ratio Lower Upper
43 100
58 8.5 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 47.749 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.006 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 95 Resp: 95549
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.4
176 74.4 0.0 146.6

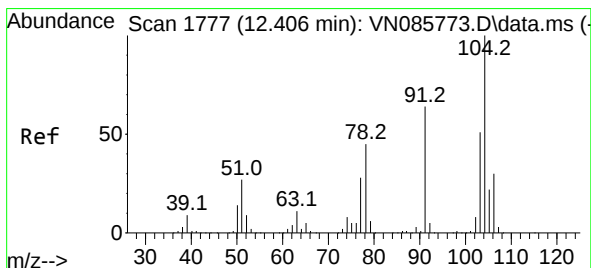
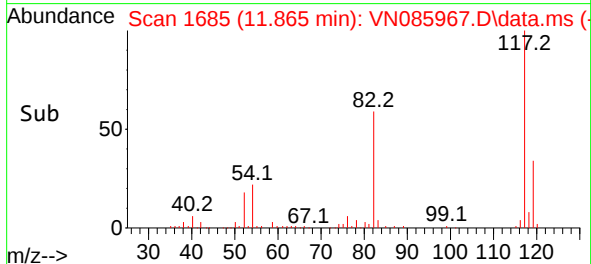
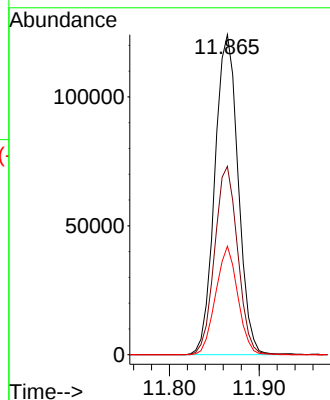
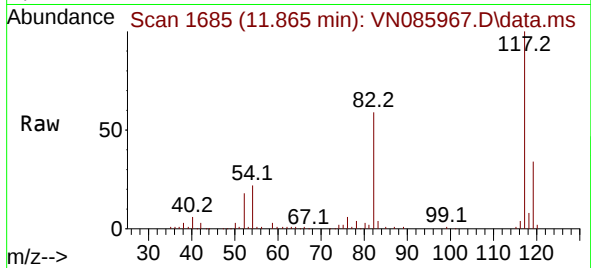




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

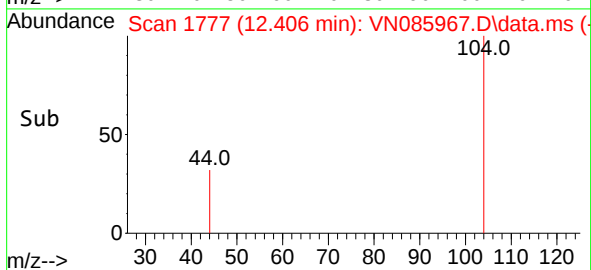
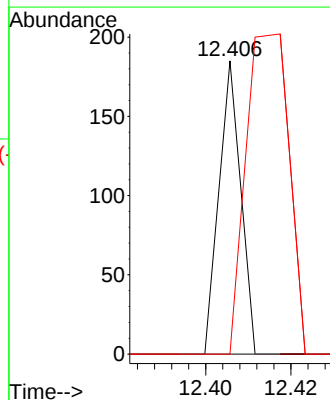
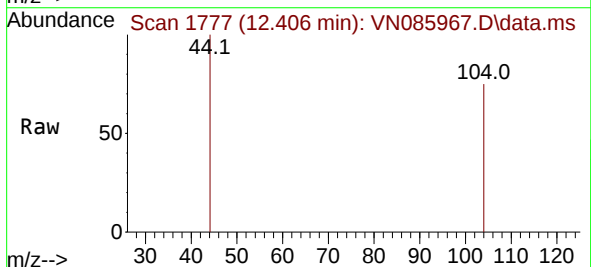
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

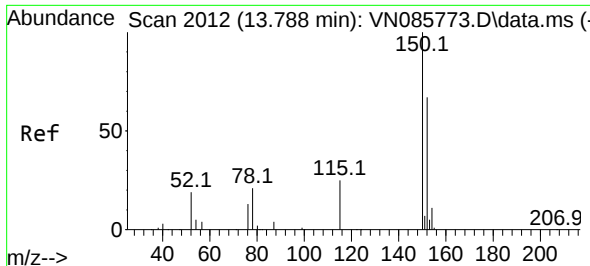
Tgt Ion:117 Resp: 224446
Ion Ratio Lower Upper
117 100
82 58.9 45.7 68.5
119 33.9 26.2 39.2



#70
Styrene
Concen: 0.597 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion:104 Resp: 65
Ion Ratio Lower Upper
104 100
78 0.0 39.0 58.6#
103 218.5 43.3 64.9#

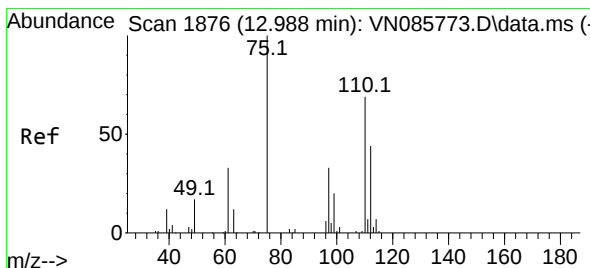
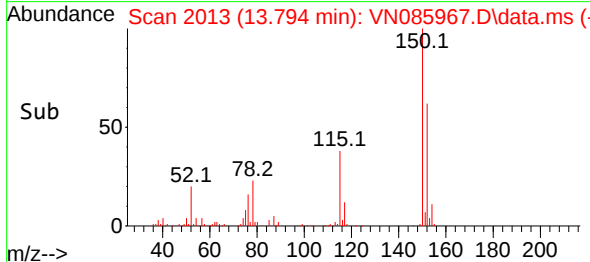
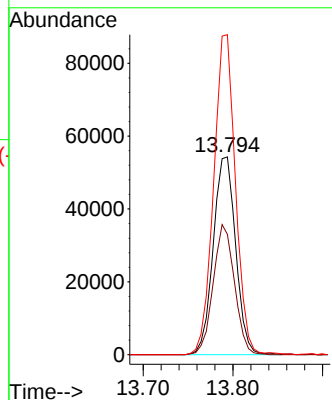
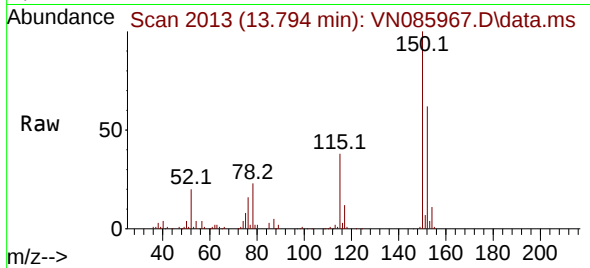




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.006 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

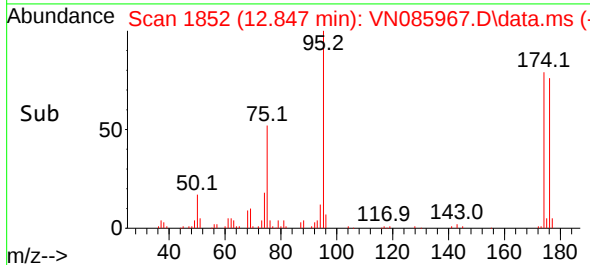
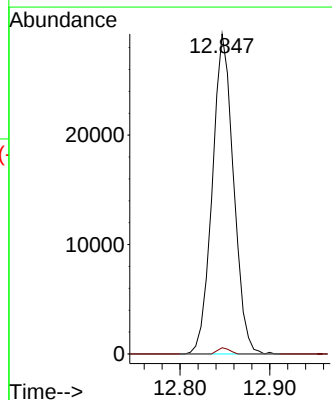
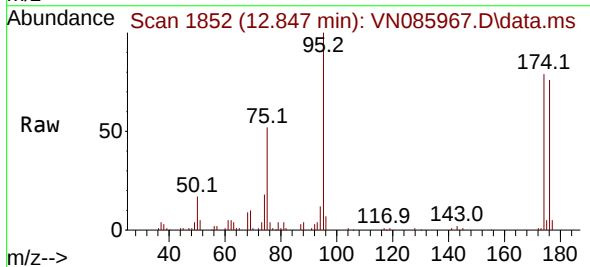
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

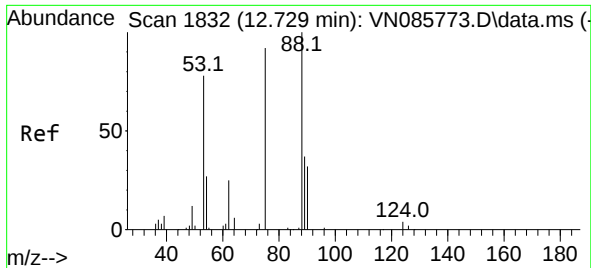
Tgt Ion:152 Resp: 94391
Ion Ratio Lower Upper
152 100
115 62.3 30.4 91.3
150 157.1 0.0 345.4



#76
1,2,3-Trichloropropane
Concen: 22.915 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 75 Resp: 48047
Ion Ratio Lower Upper
75 100
77 1.1 100.0 300.0#

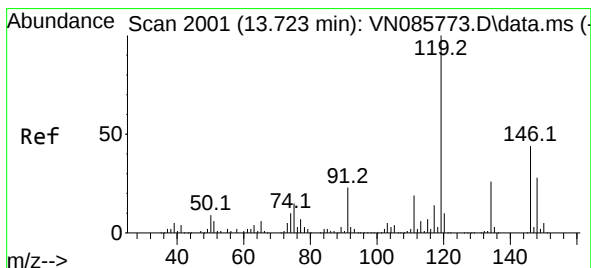
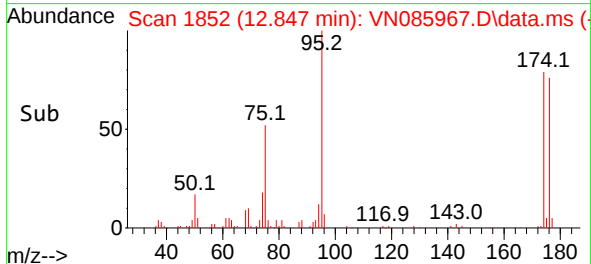
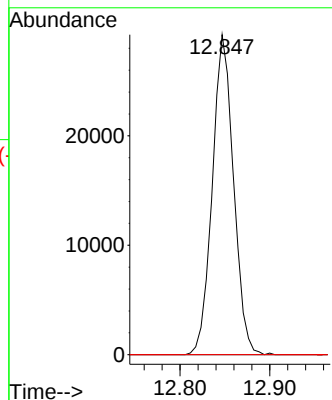
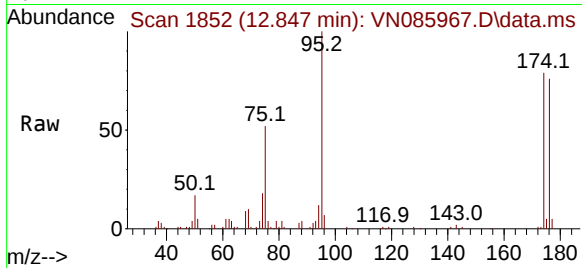




#81
trans-1,4-Dichloro-2-butene
Concen: 66.861 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.118 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

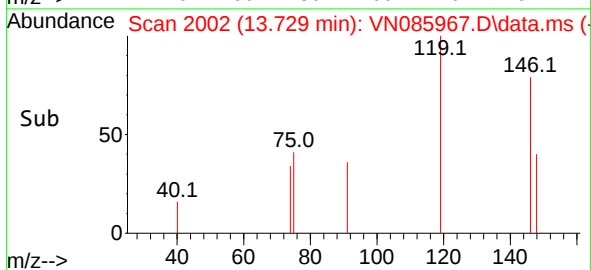
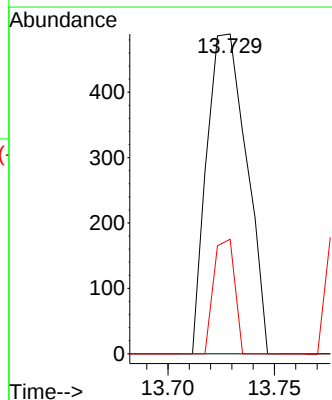
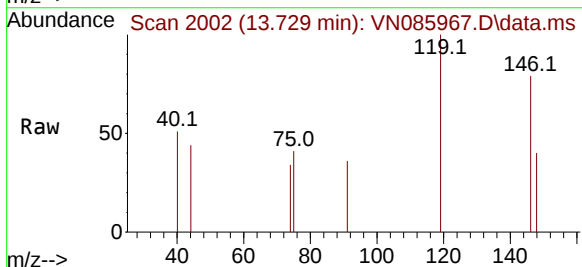
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

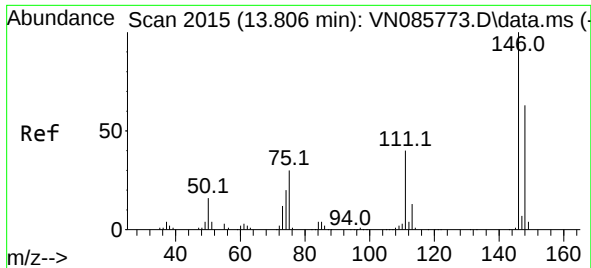
Tgt Ion: 75 Resp: 48047
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.9 52.3#



#86
p-Isopropyltoluene
Concen: 0.744 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.006 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 119 Resp: 636
Ion Ratio Lower Upper
119 100
134 0.0 13.0 39.0#
91 18.9 11.7 35.1

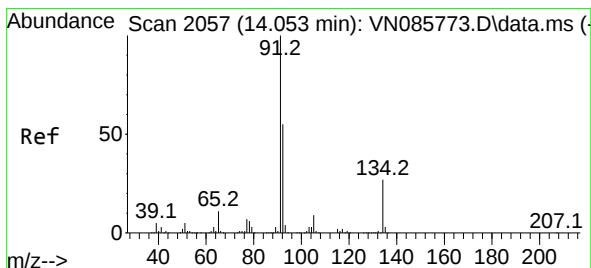
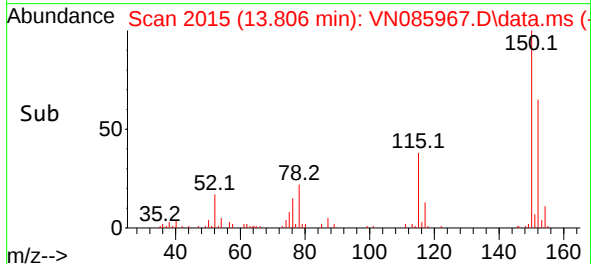
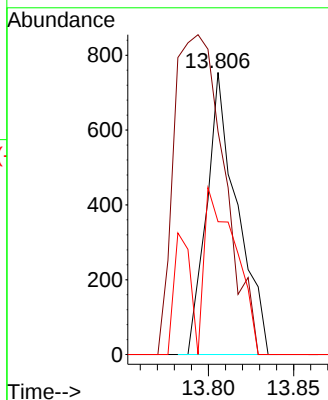
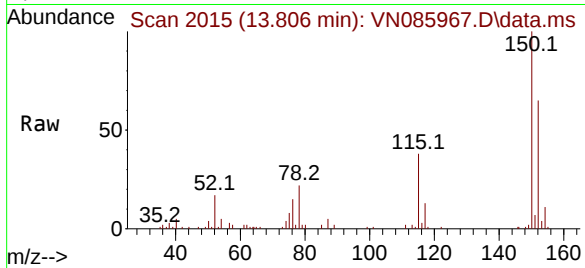




#88
1,4-Dichlorobenzene
Concen: 0.280 ug/l
RT: 13.806 min Scan# 2015
Delta R.T. -0.000 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

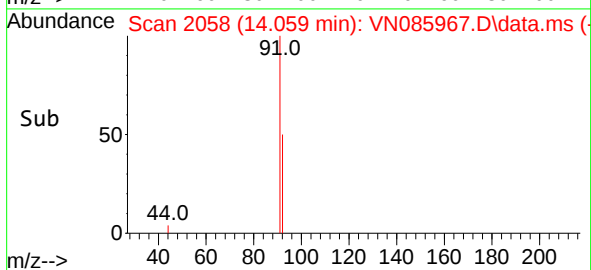
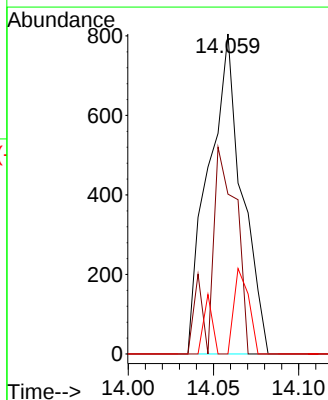
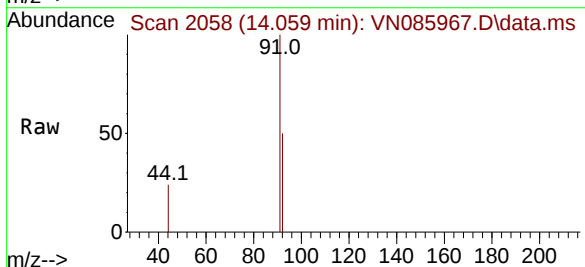
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

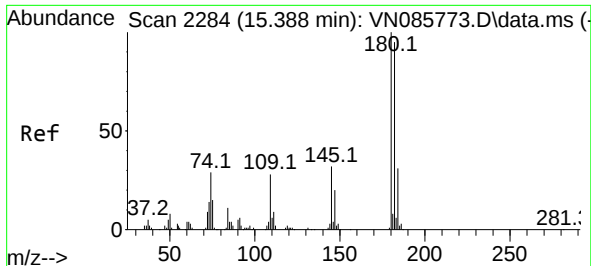
Tgt Ion:146 Resp: 940
Ion Ratio Lower Upper
146 100
111 186.2 20.4 61.3#
148 60.1 31.8 95.4



#89
n-Butylbenzene
Concen: 0.248 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion: 91 Resp: 1101
Ion Ratio Lower Upper
91 100
92 0.0 27.1 81.3#
134 11.7 12.7 38.1#

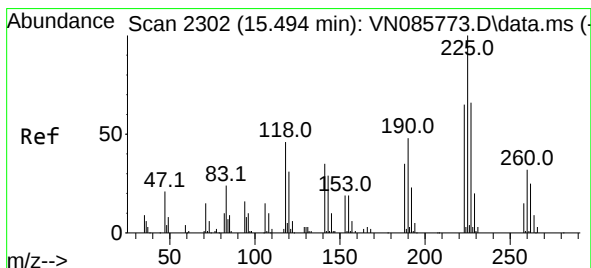
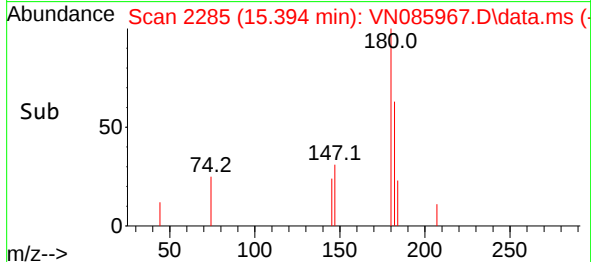
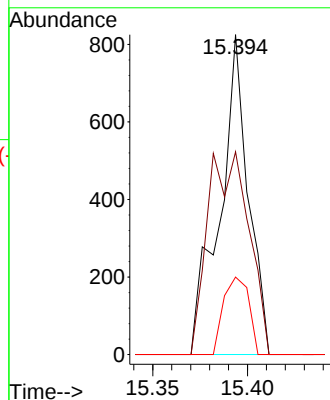
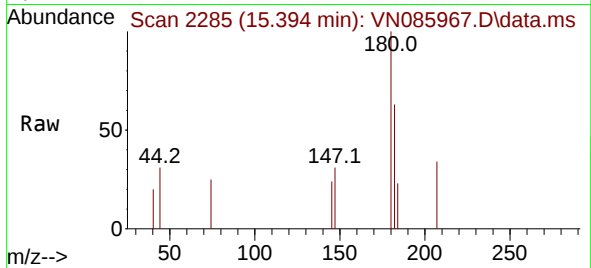




#93
1,2,4-Trichlorobenzene
Concen: 0.574 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

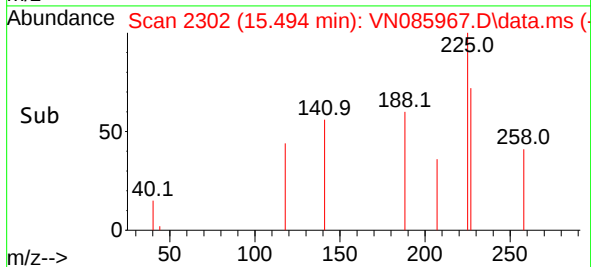
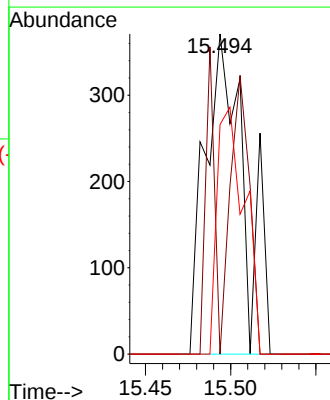
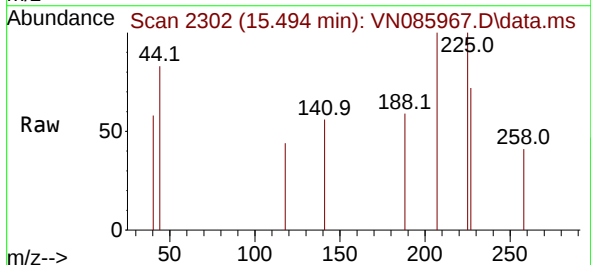
Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

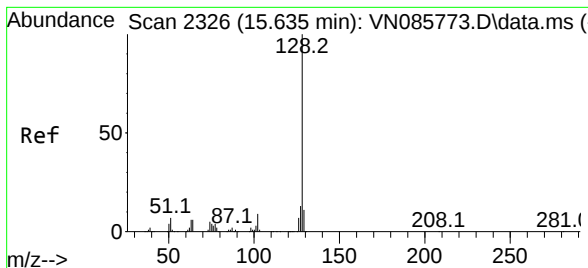
Tgt Ion:180 Resp: 861
Ion Ratio Lower Upper
180 100
182 91.6 47.3 141.9
145 21.5 16.2 48.5



#94
Hexachlorobutadiene
Concen: 0.649 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.000 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion:225 Resp: 592
Ion Ratio Lower Upper
225 100
223 21.3 31.9 95.5#
227 0.0 32.2 96.6#

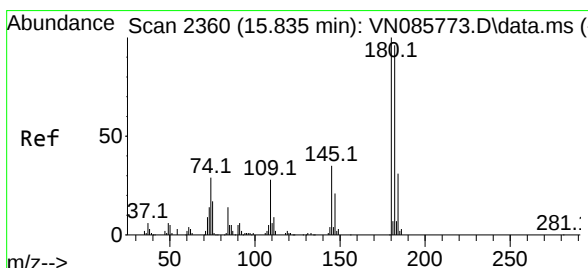
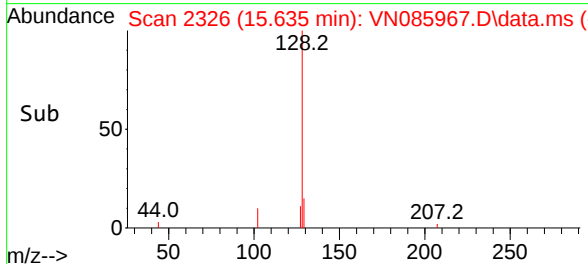
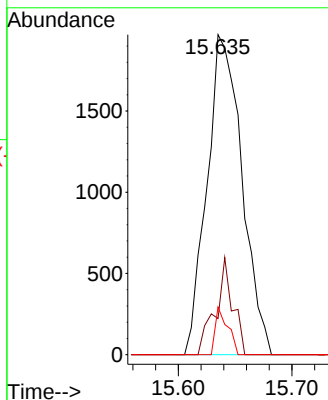
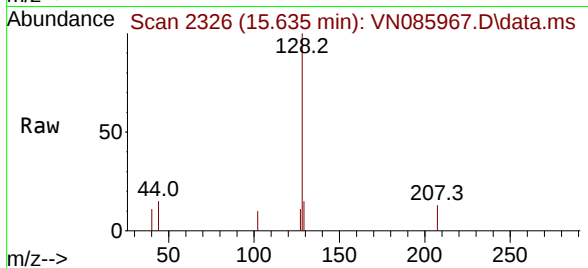




#95
Naphthalene
Concen: 1.022 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Instrument :
MSVOA_N
ClientSampleId :
50-MIDDLESEX-AVE

Tgt Ion:128 Resp: 4209
Ion Ratio Lower Upper
128 100
127 15.1 10.2 15.2
129 5.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.898 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN085967.D
Acq: 12 Mar 2025 18:06

Tgt Ion:180 Resp: 1352
Ion Ratio Lower Upper
180 100
182 75.3 47.3 141.8
145 5.8 16.9 50.6#

