

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111124\
 Data File : VN084774.D
 Acq On : 11 Nov 2024 16:06
 Operator : JC\MD
 Sample : P4722-20RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:33:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

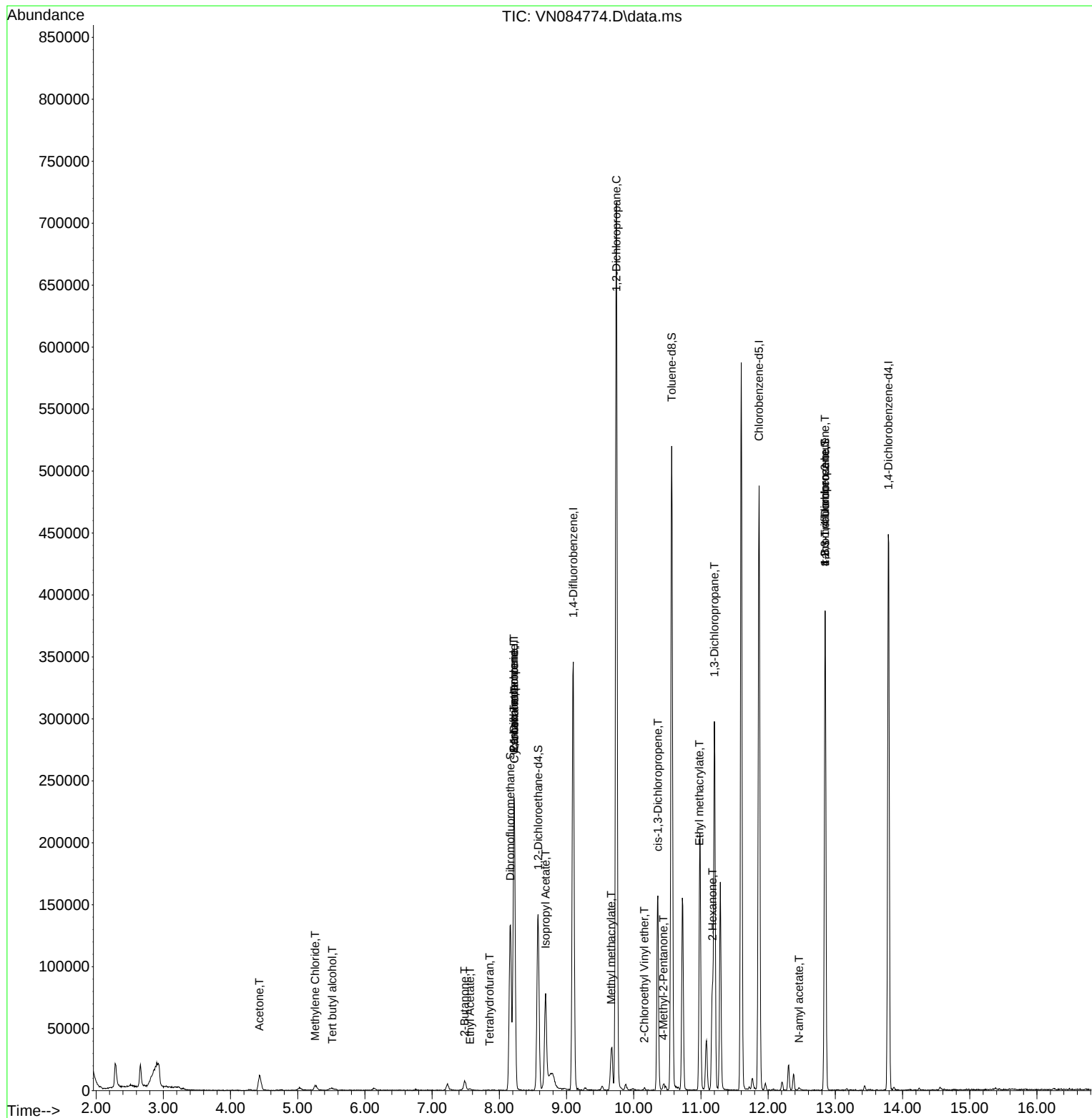
Internal Standards						
1) Pentafluorobenzene	8.218	168	169890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	299832	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120968	49.299	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.600%		
35) Dibromofluoromethane	8.165	113	97759	48.169	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.340%		
50) Toluene-d8	10.565	98	358774	47.990	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.980%		
62) 4-Bromofluorobenzene	12.847	95	134812	48.250	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.360	50	299	Below Cal	#	41
6) Chloroethane	3.177	64	450	Below Cal	#	45
11) Tert butyl alcohol	5.512	59	1861	5.746	ug/l #	73
16) Acetone	4.430	43	22989	29.922	ug/l	92
18) Methyl Acetate	5.024	43	4396	Below Cal	#	75
20) Methylene Chloride	5.259	84	3066	1.421	ug/l #	75
25) 2-Butanone	7.483	43	12665	11.063	ug/l	90
29) Tetrahydrofuran	7.853	42	312	0.411	ug/l #	34
31) Cyclohexane	8.224	56	3670	1.083	ug/l #	5
36) 1,1-Dichloropropene	8.218	75	14012	4.978	ug/l #	51
37) Ethyl Acetate	7.565	43	2271	0.889	ug/l #	72
38) Carbon Tetrachloride	8.218	117	17883	5.684	ug/l #	16
43) Isopropyl Acetate	8.688	43	94961	19.540	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	693	0.327	ug/l #	44
48) Methyl methacrylate	9.665	41	2377	1.196	ug/l #	41
51) 4-Methyl-2-Pentanone	10.441	43	6176	2.537	ug/l #	66
54) cis-1,3-Dichloropropene	10.359	75	28546	8.261	ug/l #	63
56) Ethyl methacrylate	10.977	69	998	0.346	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2920	0.854	ug/l #	42
58) 2-Chloroethyl Vinyl ether	10.159	63	949	0.704	ug/l #	84
59) 2-Hexanone	11.171	43	68620	38.724	ug/l #	24
74) N-amyl acetate	12.459	43	1513	0.402	ug/l #	45
76) 1,2,3-Trichloropropane	12.847	75	67791	26.852	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67791	63.703	ug/l #	11
88) 1,4-Dichlorobenzene	13.812	146	469	Below Cal	#	24

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

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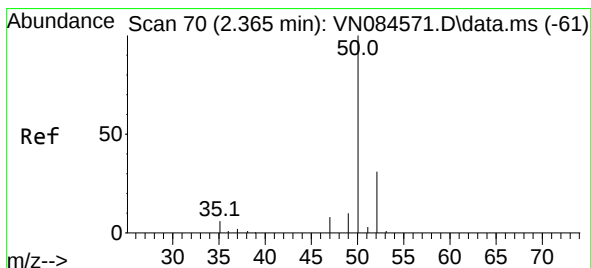
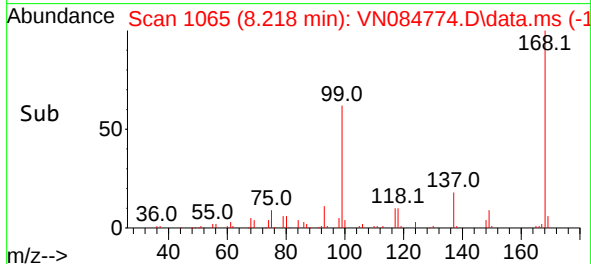
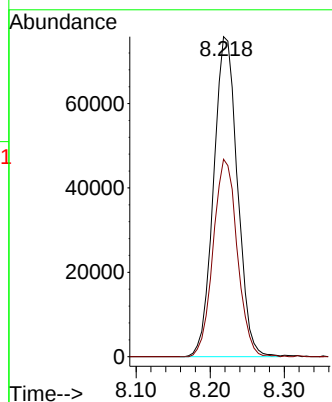
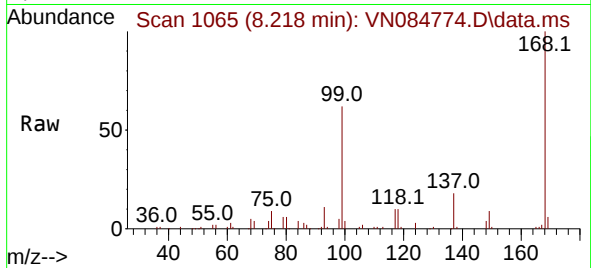




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

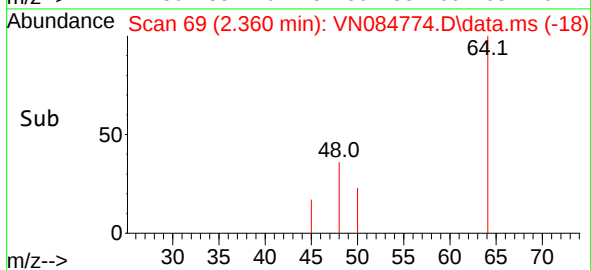
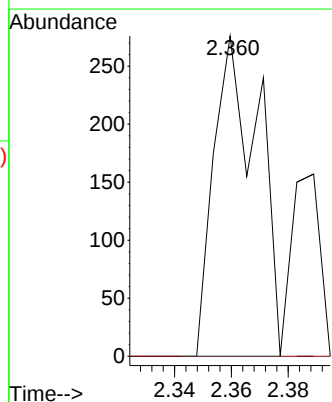
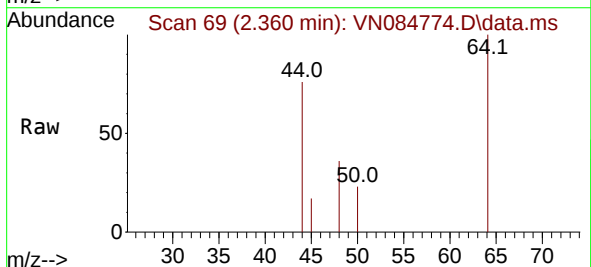
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 169890
Ion Ratio Lower Upper
168 100
99 61.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.360 min Scan# 69
Delta R.T. 0.001 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 50 Resp: 299
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

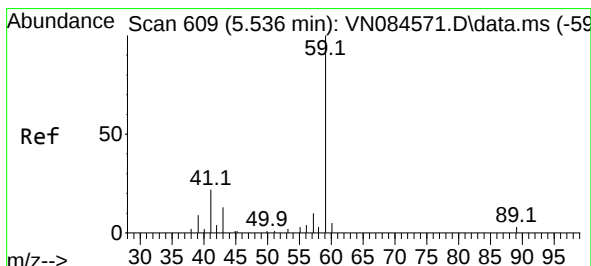
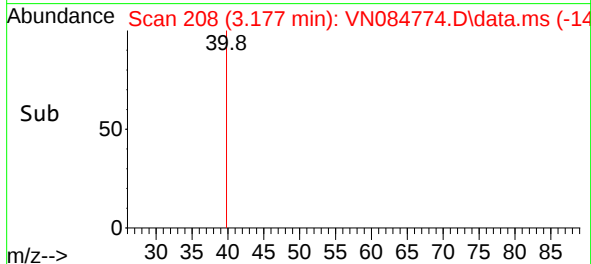
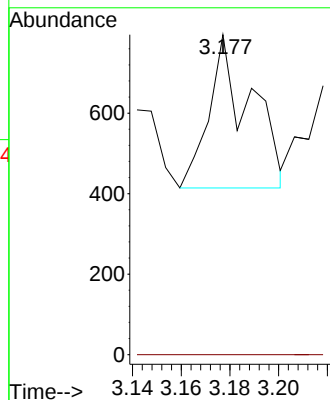
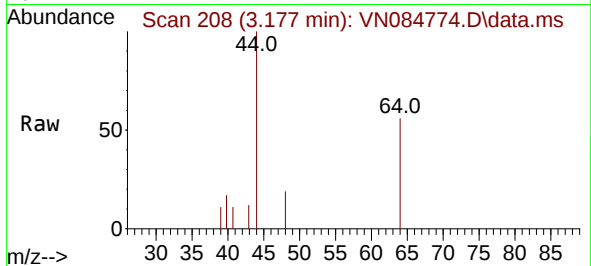




#6
Chloroethane
Concen: Below Cal
RT: 3.177 min Scan# 20
Delta R.T. 0.059 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

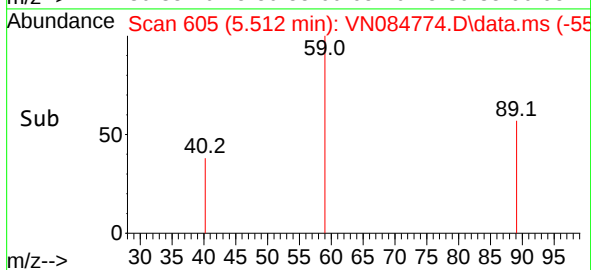
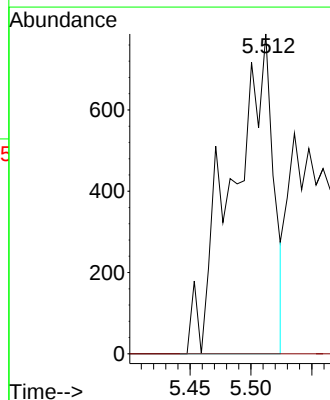
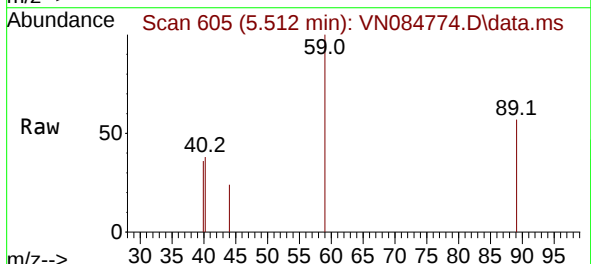
Instrument :
MSVOA_N
ClientSampleId :

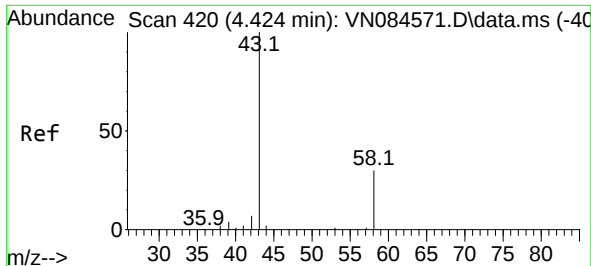
Tgt Ion: 64 Resp: 450
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 5.746 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.012 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 59 Resp: 1861
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

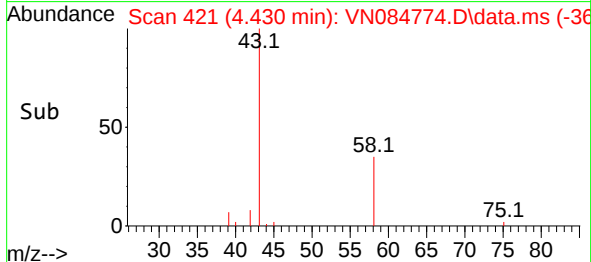
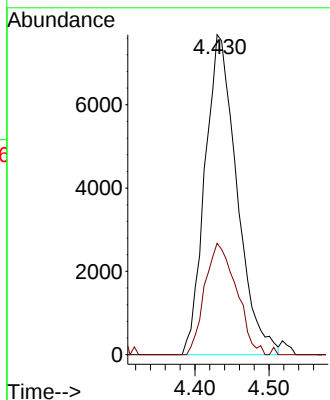
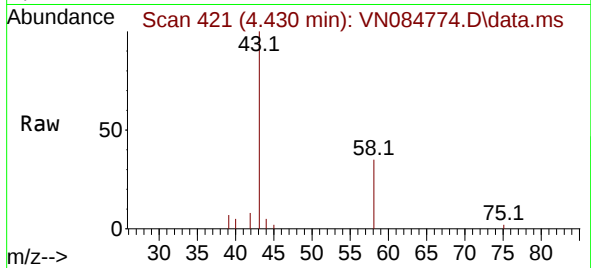




#16
Acetone
Concen: 29.922 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

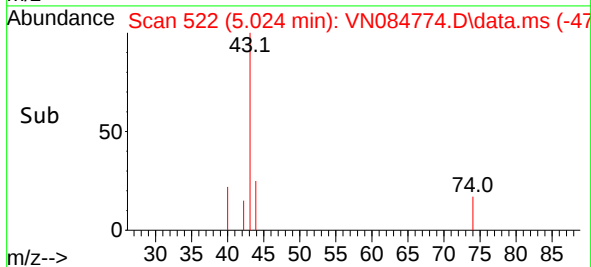
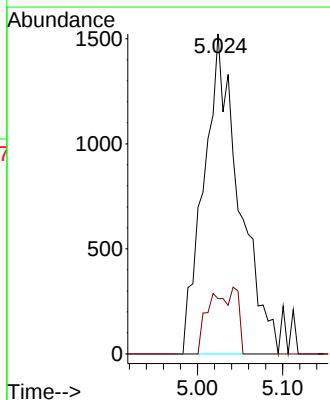
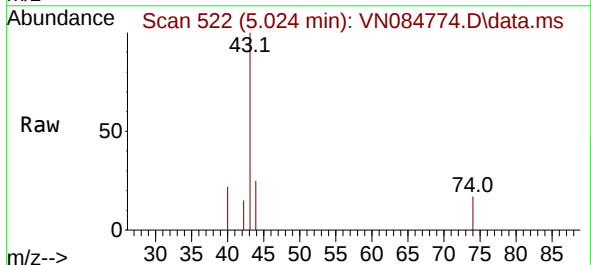
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 22989
Ion Ratio Lower Upper
43 100
58 34.8 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

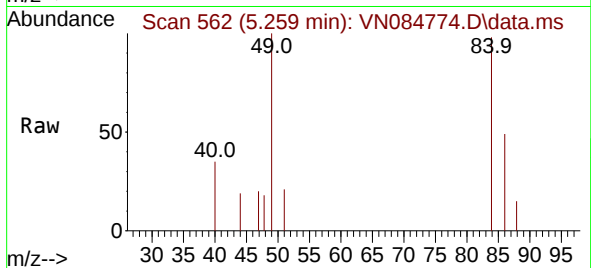
Tgt Ion: 43 Resp: 4396
Ion Ratio Lower Upper
43 100
74 11.5 19.2 28.8#



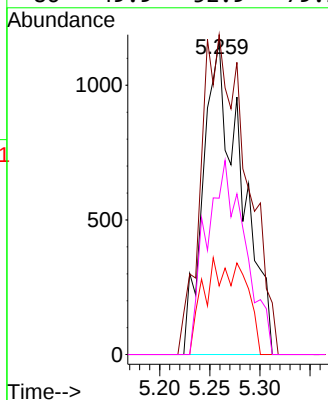
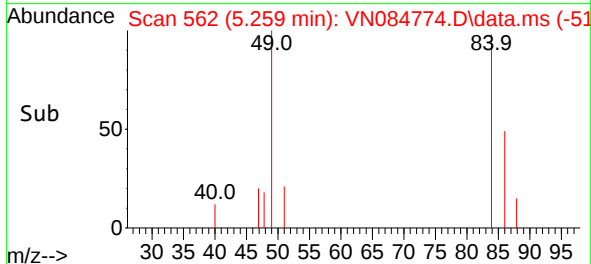


#20
Methylene Chloride
Concen: 1.421 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Instrument :
MSVOA_N
ClientSampleId :

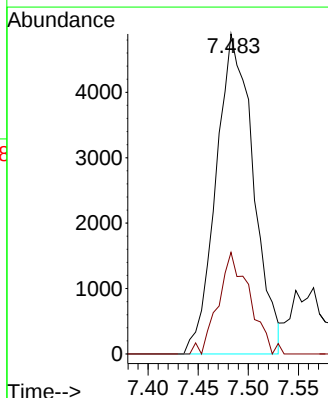
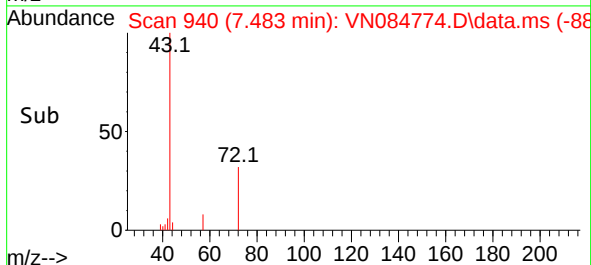
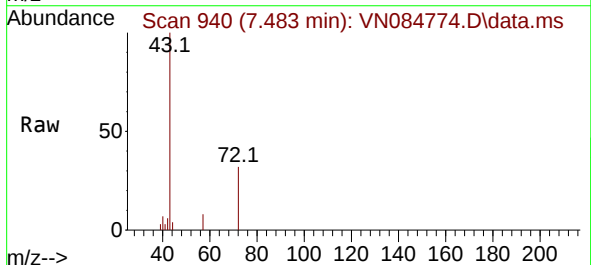


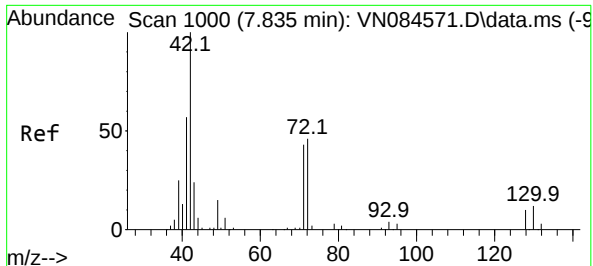
Tgt Ion:	84	Resp:	3066
Ion	Ratio	Lower	Upper
84	100		
49	102.1	107.2	160.8#
51	21.9	31.8	47.8#
86	49.9	52.9	79.3#



#25
2-Butanone
Concen: 11.063 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion:	43	Resp:	12665
Ion	Ratio	Lower	Upper
43	100		
72	31.7	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.411 ug/l

RT: 7.853 min Scan# 1066

Delta R.T. 0.018 min

Lab File: VN084774.D

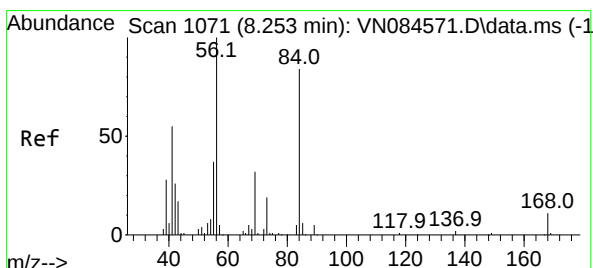
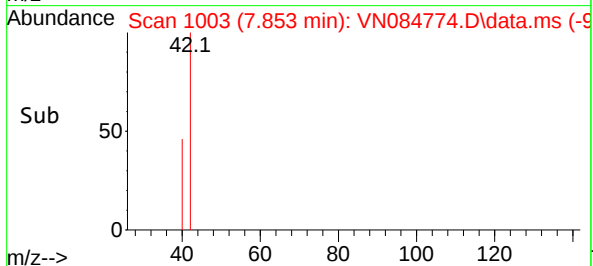
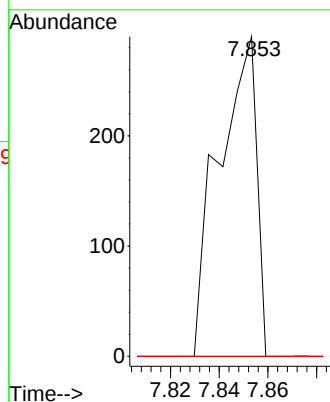
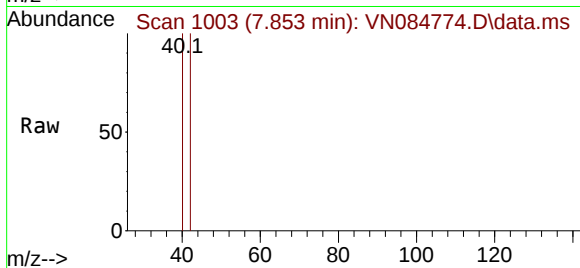
Acq: 11 Nov 2024 16:06

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 42	Resp: 312
Ion Ratio	Lower Upper
42	100
72	0.0 34.6 51.8#
71	0.0 32.2 48.4#



#31

Cyclohexane

Concen: 1.083 ug/l

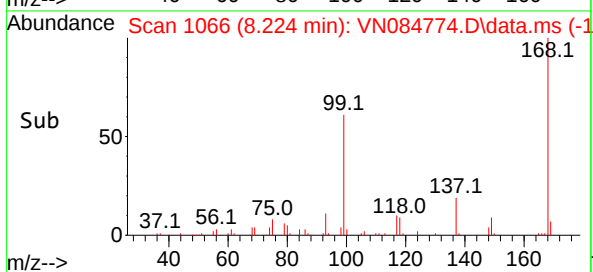
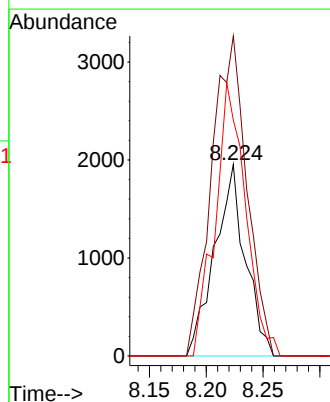
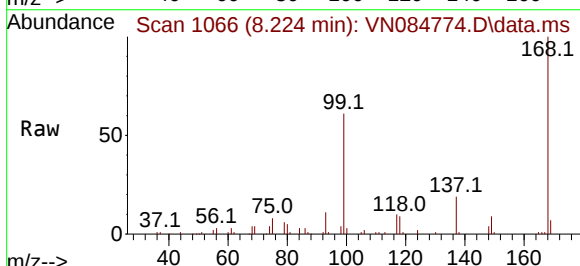
RT: 8.224 min Scan# 1066

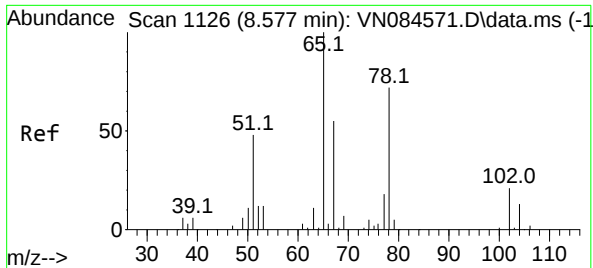
Delta R.T. -0.029 min

Lab File: VN084774.D

Acq: 11 Nov 2024 16:06

Tgt Ion: 56	Resp: 3670
Ion Ratio	Lower Upper
56	100
69	167.1 23.8 35.6#
84	123.2 68.8 103.2#

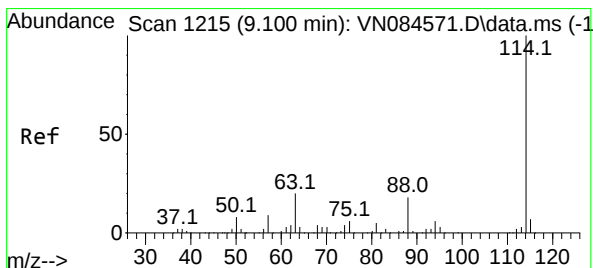
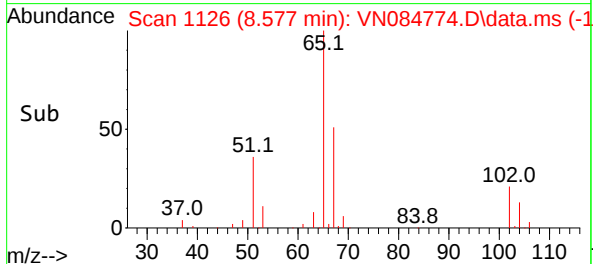
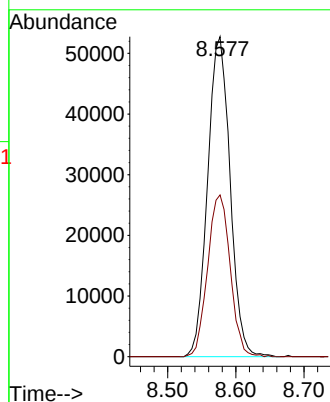
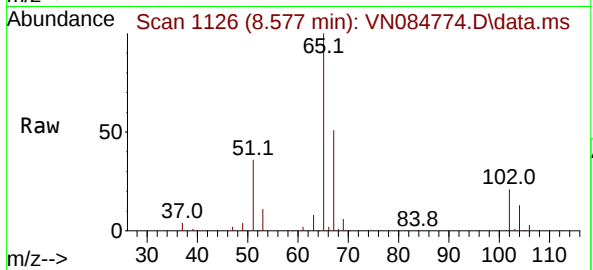




#33
 1,2-Dichloroethane-d4
 Concen: 49.299 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084774.D
 Acq: 11 Nov 2024 16:06

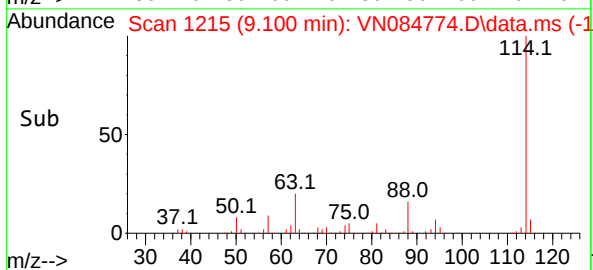
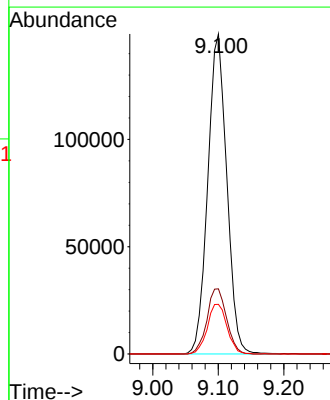
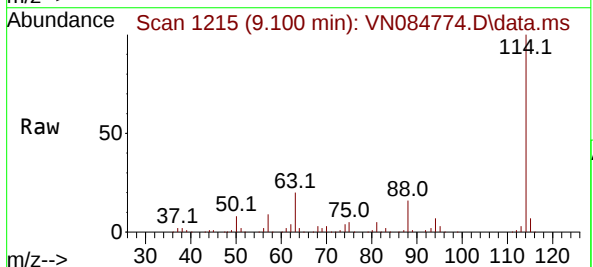
Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 65 Resp: 120968
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084774.D
 Acq: 11 Nov 2024 16:06

Tgt Ion: 114 Resp: 299832
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.8
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.169 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084774.D

Acq: 11 Nov 2024 16:06

Instrument :

MSVOA_N

ClientSampleId :

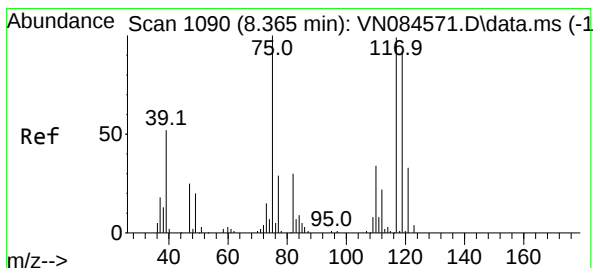
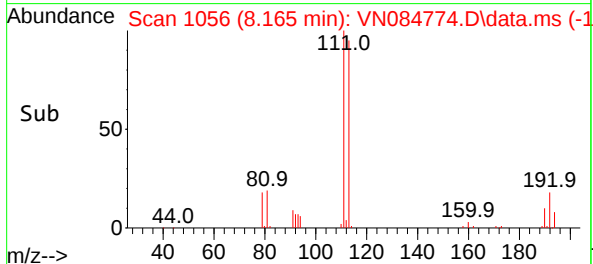
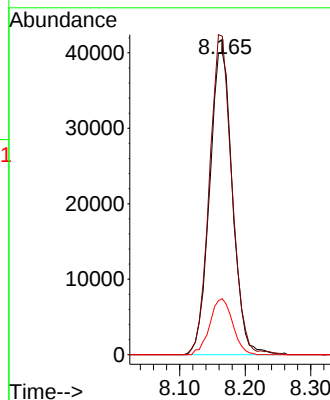
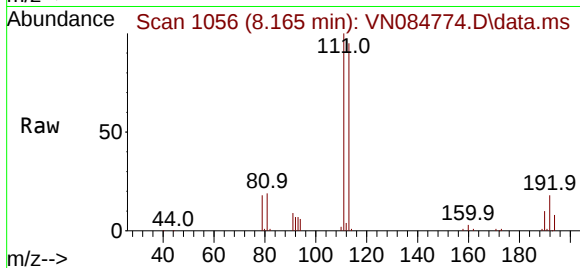
Tgt Ion:113 Resp: 97759

Ion Ratio Lower Upper

113 100

111 103.2 83.3 124.9

192 18.4 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.978 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084774.D

Acq: 11 Nov 2024 16:06

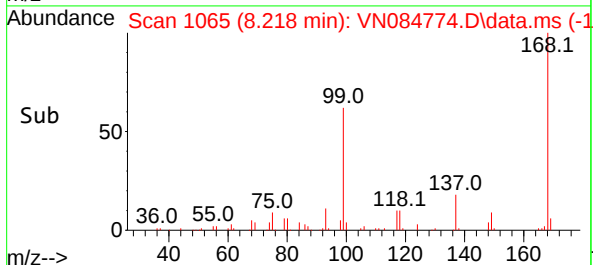
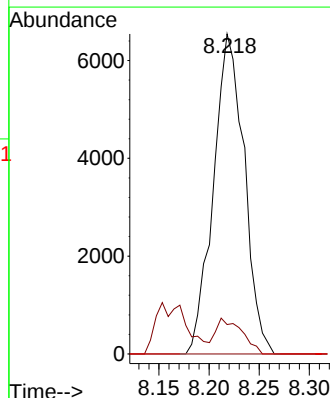
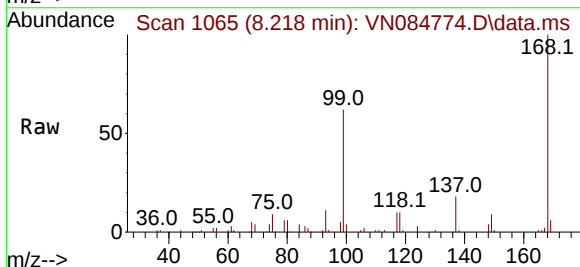
Tgt Ion: 75 Resp: 14012

Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.7#

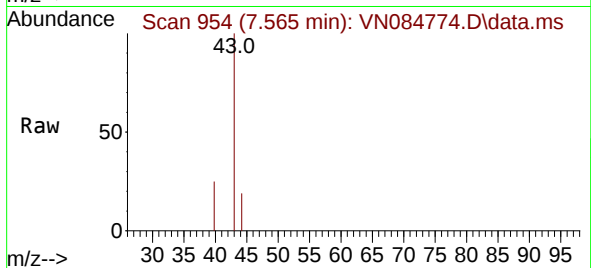
77 0.0 24.7 37.1#



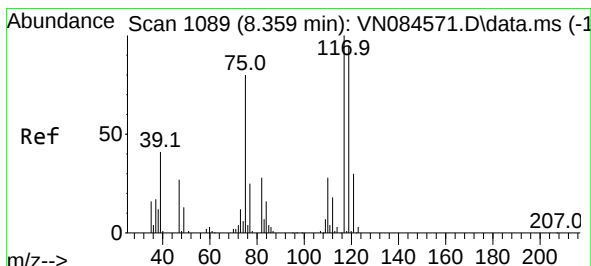
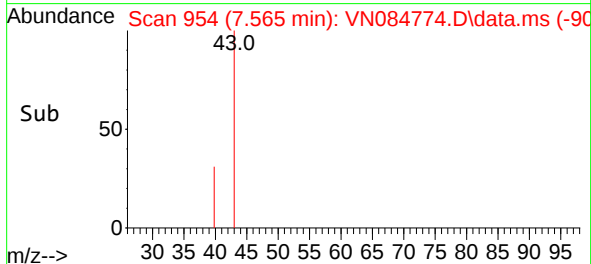
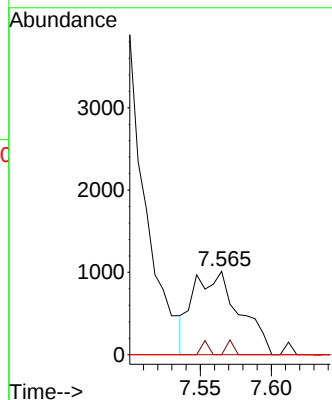


#37
Ethyl Acetate
Concen: 0.889 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Instrument :
MSVOA_N
ClientSampleId :

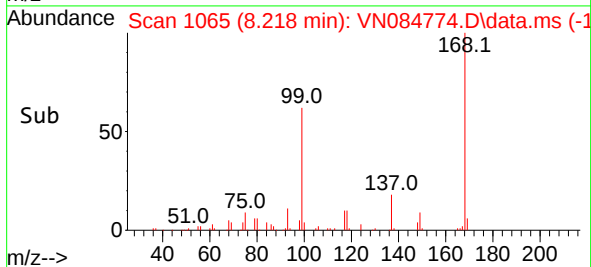
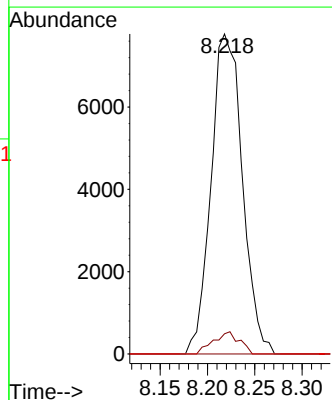
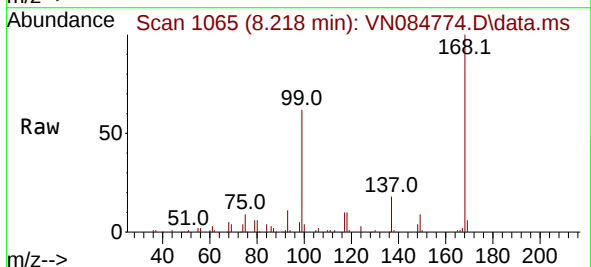


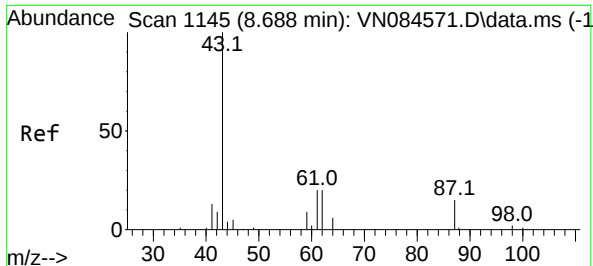
Tgt Ion: 43 Resp: 2271
Ion Ratio Lower Upper
43 100
61 2.8 10.7 16.1#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 117 Resp: 17883
Ion Ratio Lower Upper
117 100
119 6.3 78.7 118.1#
121 0.0 24.4 36.6#

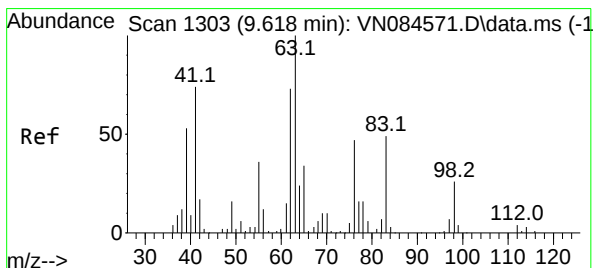
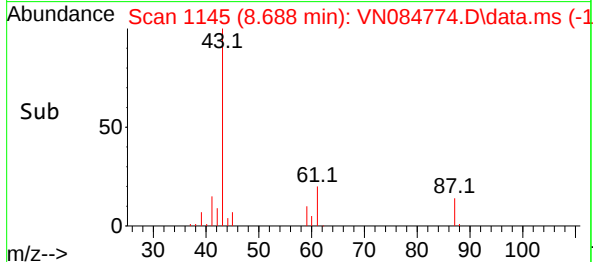
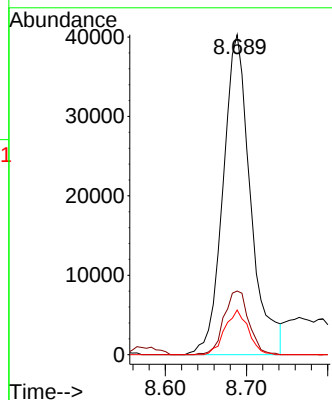
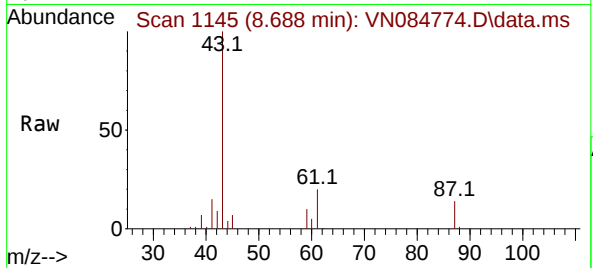




#43
Isopropyl Acetate
Concen: 19.540 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

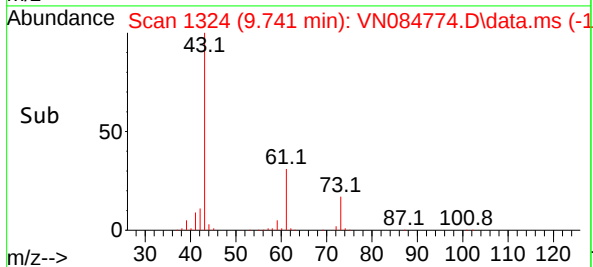
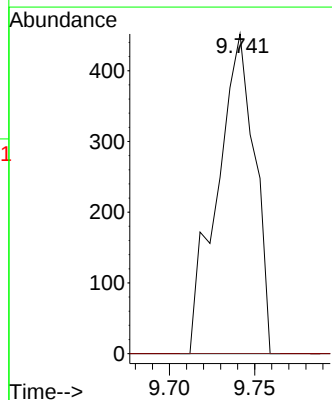
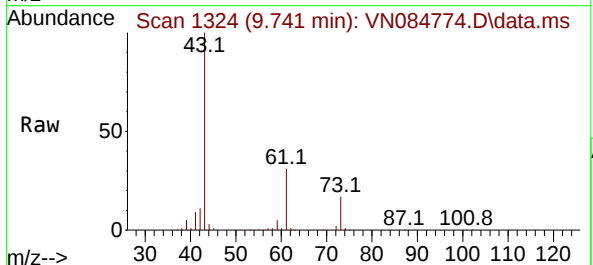
Instrument :
MSVOA_N
ClientSampleId :

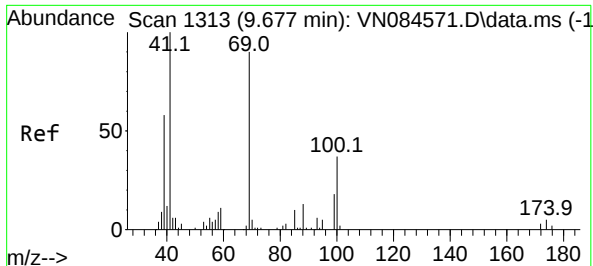
Tgt Ion: 43 Resp: 94961
Ion Ratio Lower Upper
43 100
61 18.0 20.4 30.6#
87 11.9 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.327 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 63 Resp: 693
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

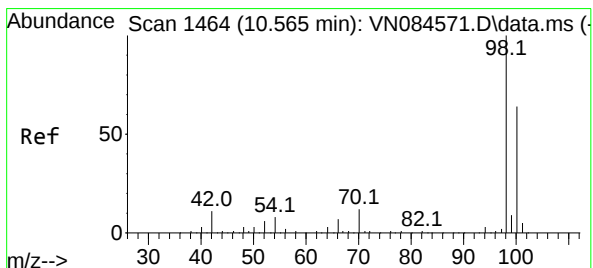
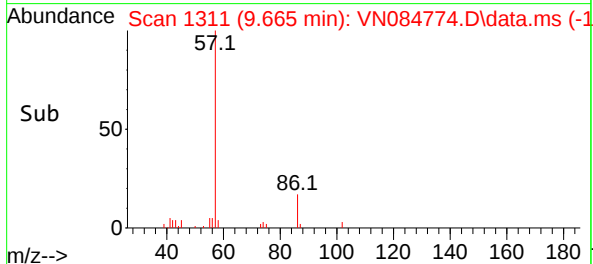
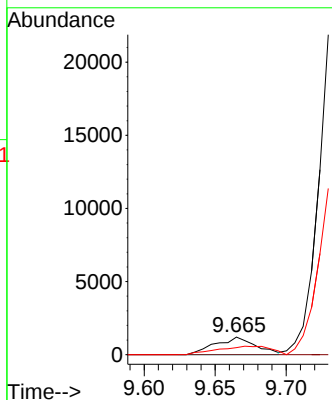
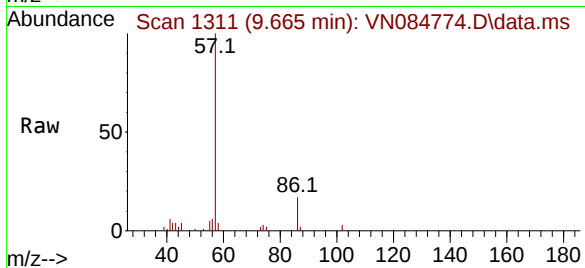




#48
Methyl methacrylate
Concen: 1.196 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

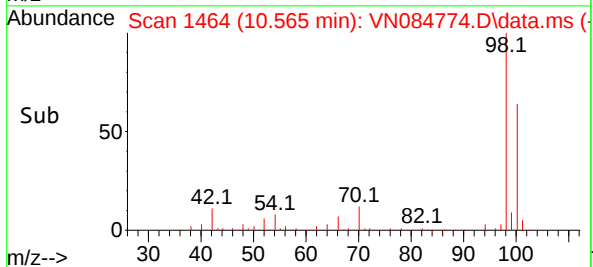
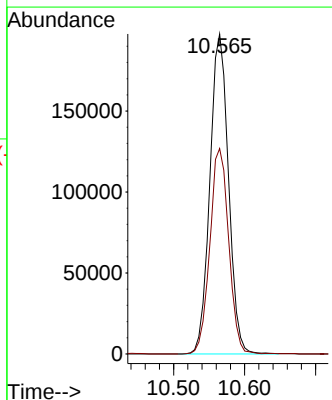
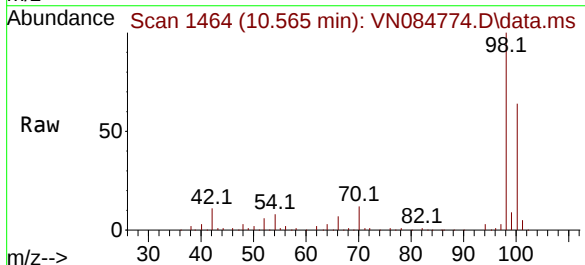
Instrument :
MSVOA_N
ClientSampleId :

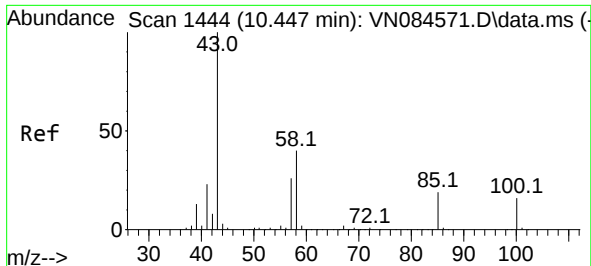
Tgt Ion: 41 Resp: 2377
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 63.6 45.8 68.6



#50
Toluene-d8
Concen: 47.990 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 98 Resp: 358774
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1

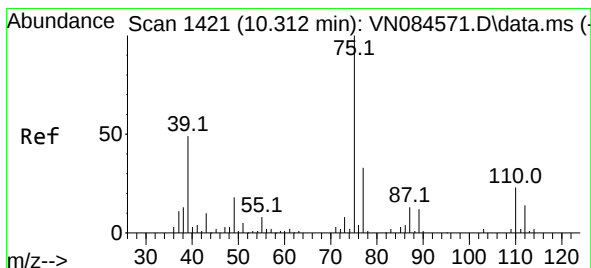
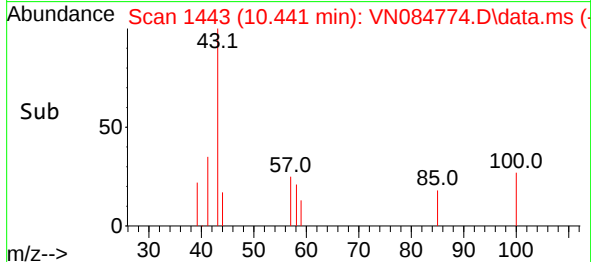
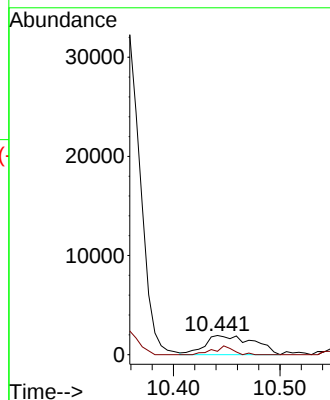
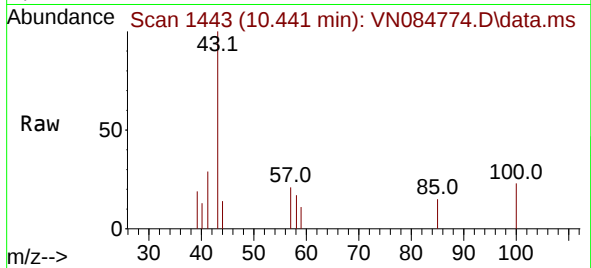




#51
4-Methyl-2-Pentanone
Concen: 2.537 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

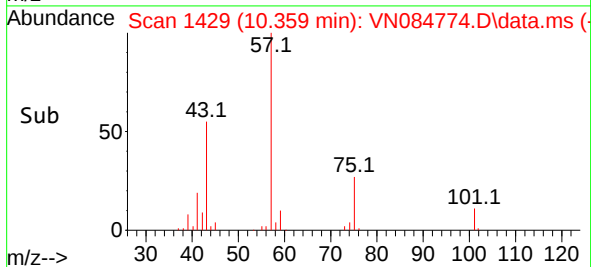
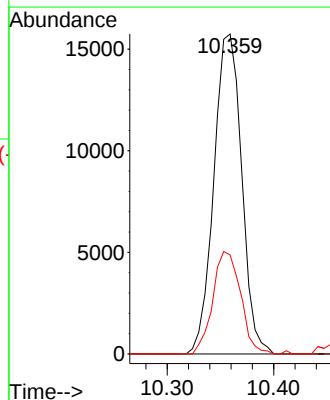
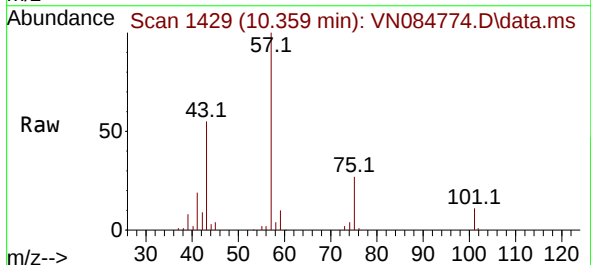
Instrument :
MSVOA_N
ClientSampleId :

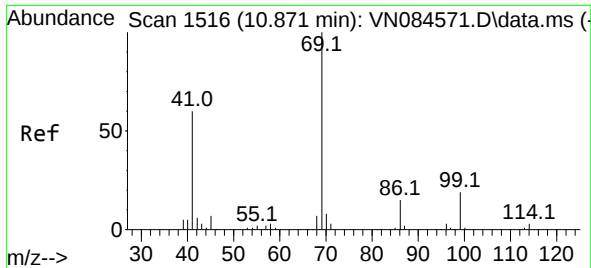
Tgt Ion: 43 Resp: 6176
Ion Ratio Lower Upper
43 100
58 18.4 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 8.261 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 75 Resp: 28546
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 31.0 38.7 58.1#

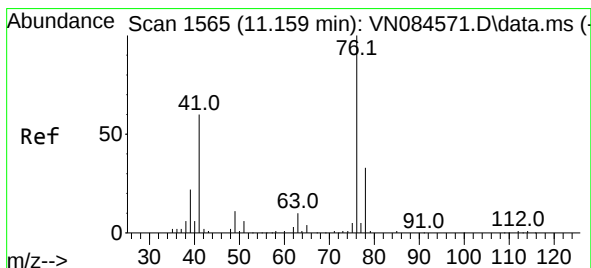
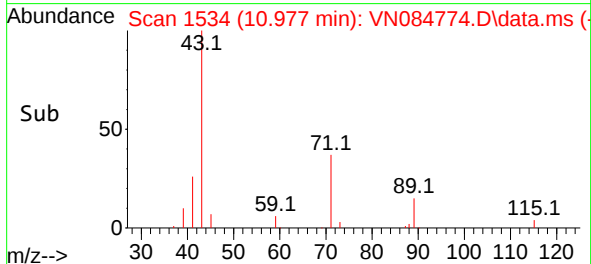
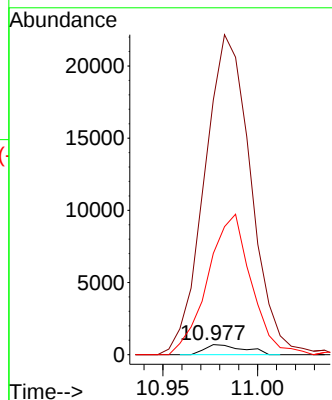
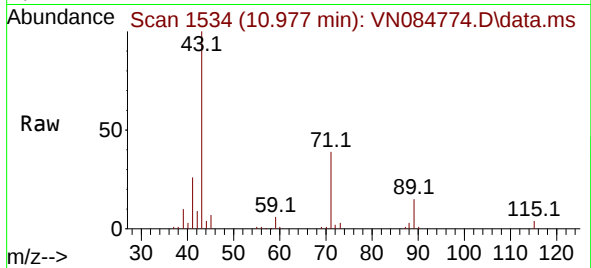




#56
Ethyl methacrylate
Concen: 0.346 ug/l
RT: 10.977 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

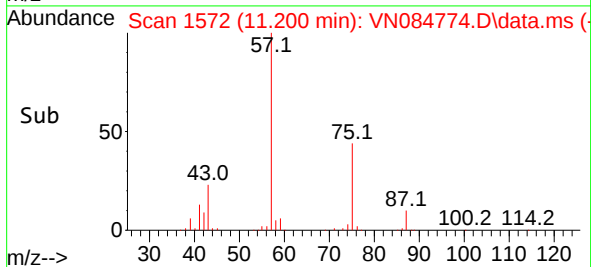
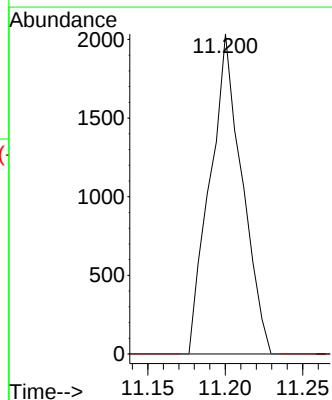
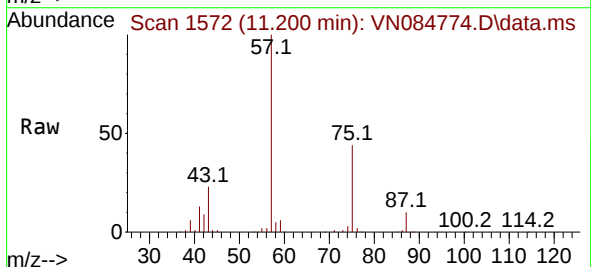
Instrument :
MSVOA_N
ClientSampleId :

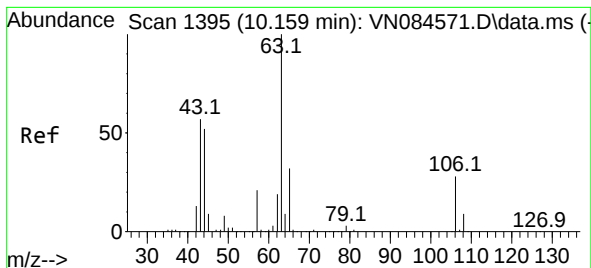
Tgt Ion: 69 Resp: 998
Ion Ratio Lower Upper
69 100
41 3798.9 53.3 79.9#
39 1560.1 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 0.854 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 76 Resp: 2920
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

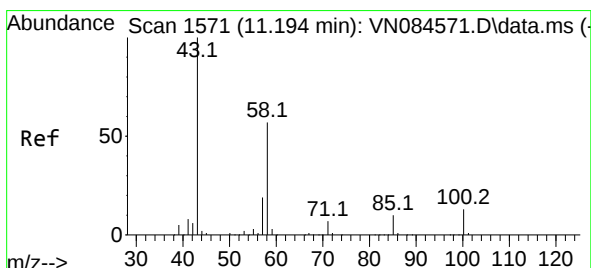
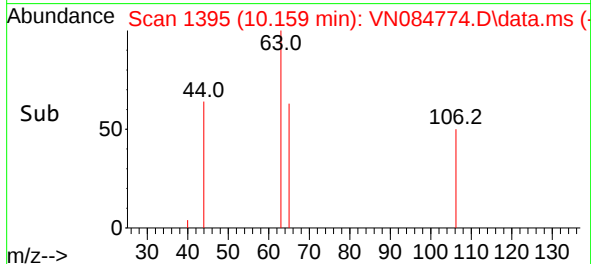
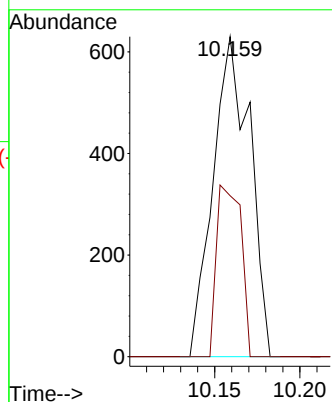
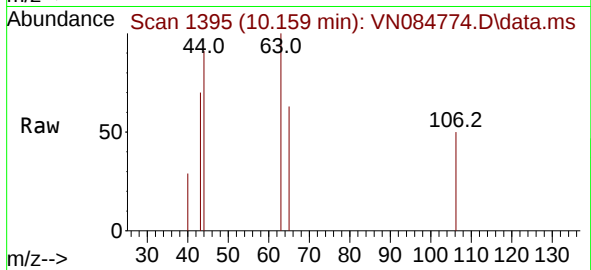




#58
2-Chloroethyl Vinyl ether
Concen: 0.704 ug/l
RT: 10.159 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

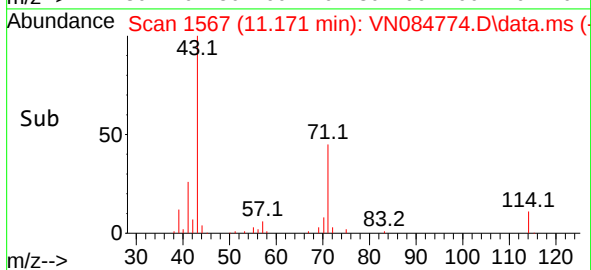
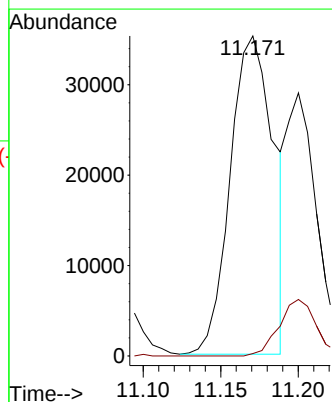
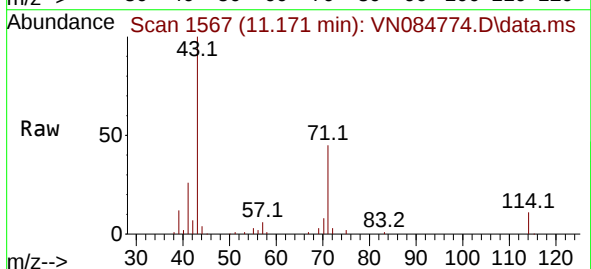
Instrument :
MSVOA_N
ClientSampleId :

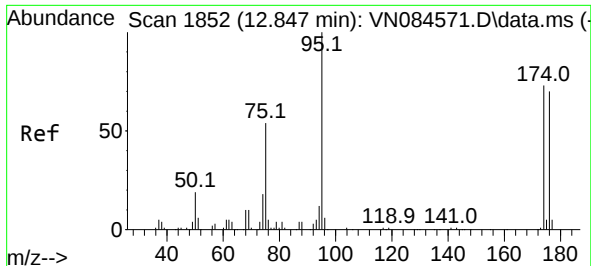
Tgt Ion: 63 Resp: 949
Ion Ratio Lower Upper
63 100
106 35.5 21.8 32.6#



#59
2-Hexanone
Concen: 38.724 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 43 Resp: 68620
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#

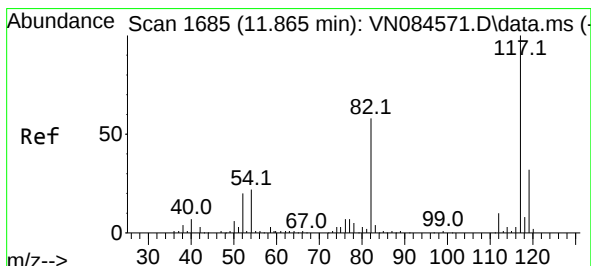
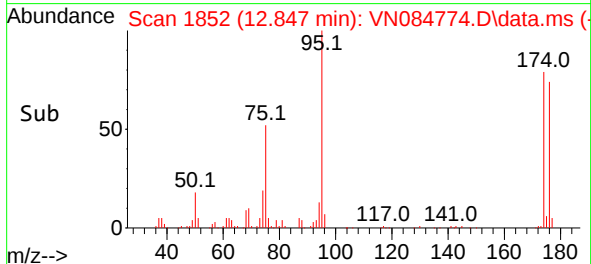
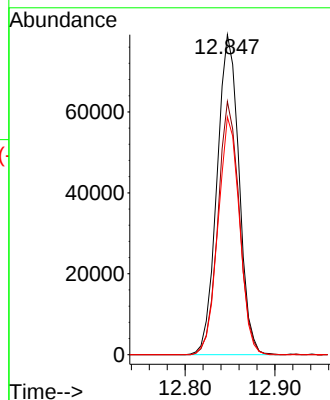
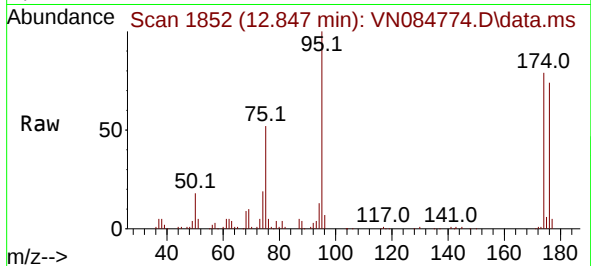




#62
4-Bromofluorobenzene
Concen: 48.250 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

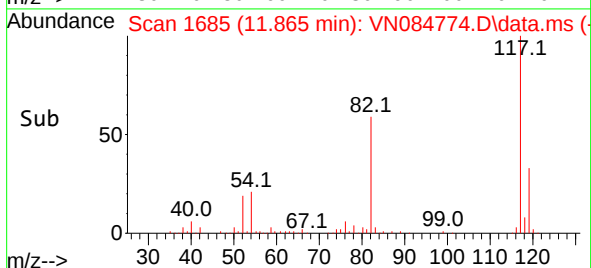
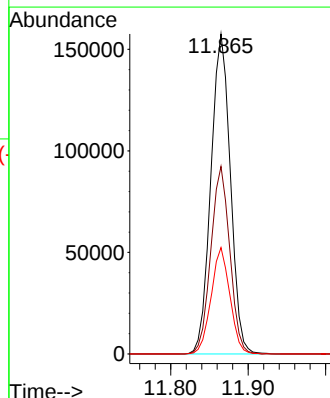
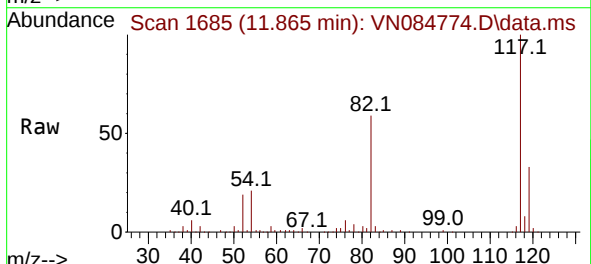
Instrument :
MSVOA_N
ClientSampleId :

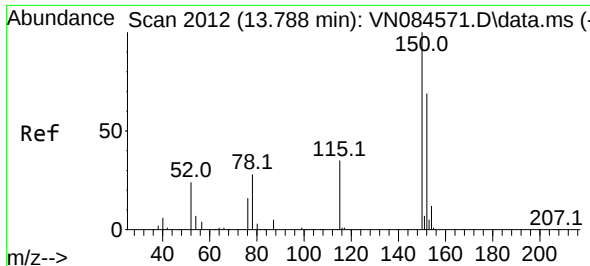
Tgt Ion: 95 Resp: 134812
Ion Ratio Lower Upper
95 100
174 76.7 0.0 145.2
176 72.3 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 117 Resp: 275305
Ion Ratio Lower Upper
117 100
82 58.6 47.2 70.8
119 33.3 25.4 38.0

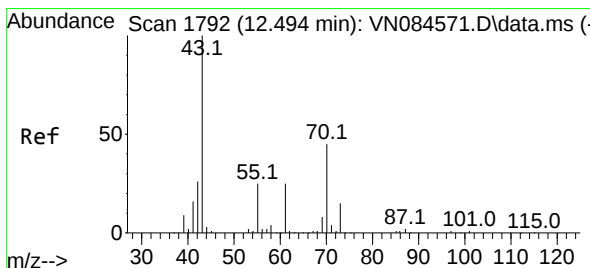
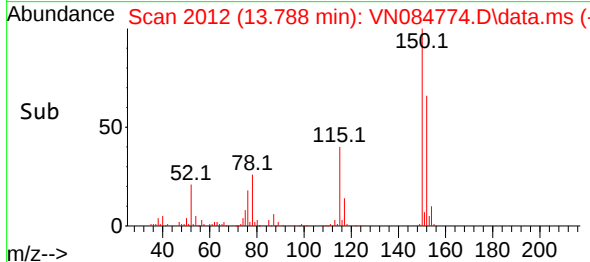
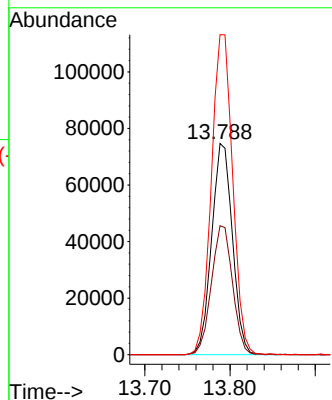
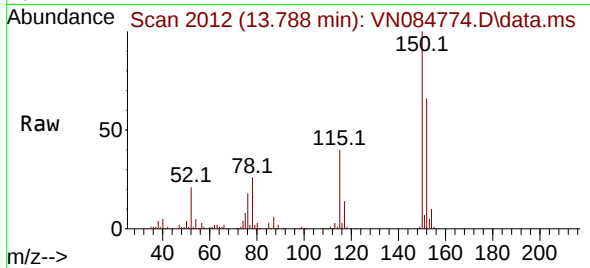




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

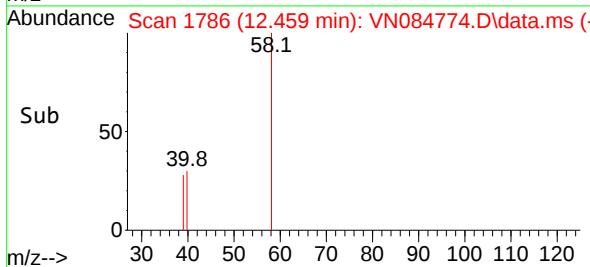
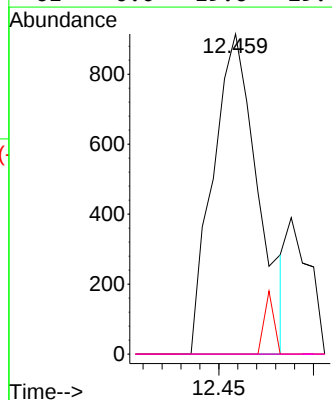
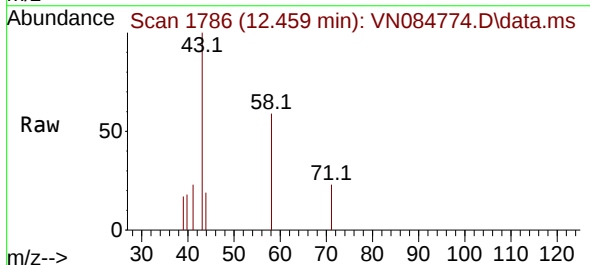
Instrument :
MSVOA_N
ClientSampleId :

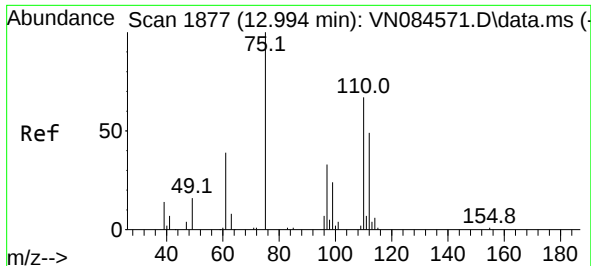
Tgt Ion:152 Resp: 126299
Ion Ratio Lower Upper
152 100
115 62.2 31.3 93.9
150 155.5 0.0 349.8



#74
N-ethyl acetate
Concen: 0.402 ug/l
RT: 12.459 min Scan# 1786
Delta R.T. -0.035 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 43 Resp: 1513
Ion Ratio Lower Upper
43 100
70 0.0 34.4 51.6#
55 4.2 19.6 29.4#
61 0.0 19.6 29.4#

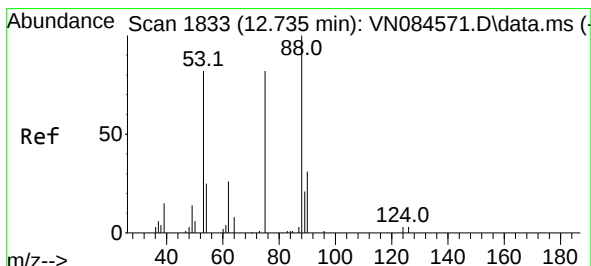
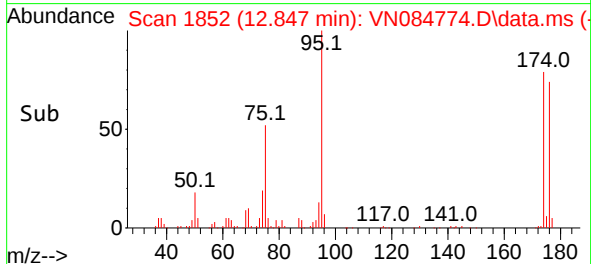
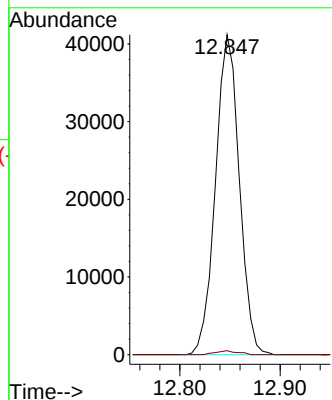
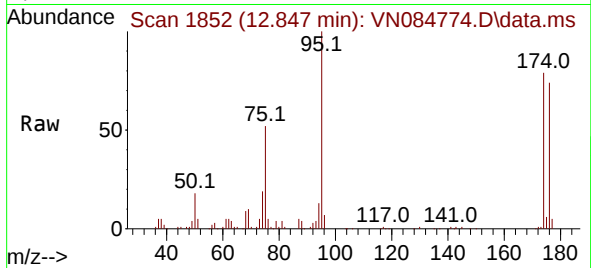




#76
1,2,3-Trichloropropane
Concen: 26.852 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

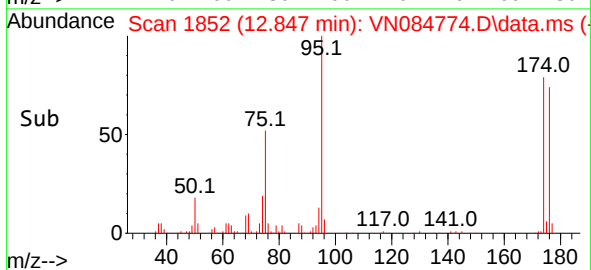
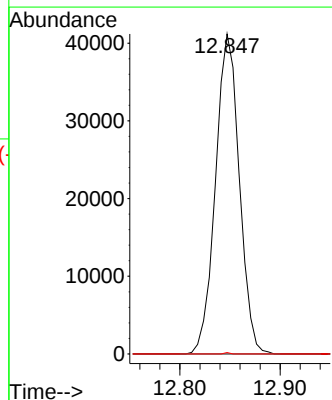
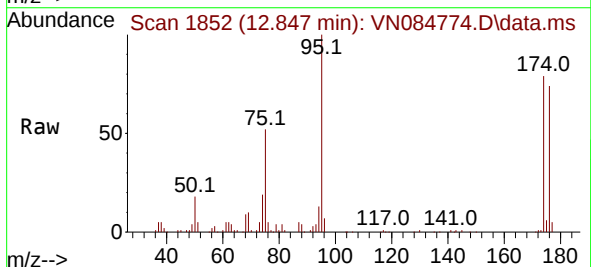
Instrument :
MSVOA_N
ClientSampleId :

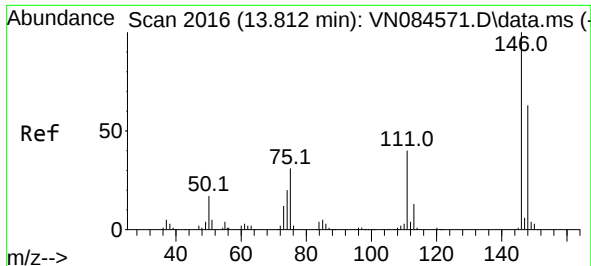
Tgt Ion: 75 Resp: 67791
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.703 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084774.D
Acq: 11 Nov 2024 16:06

Tgt Ion: 75 Resp: 67791
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.812 min Scan# 20

Delta R.T. -0.000 min

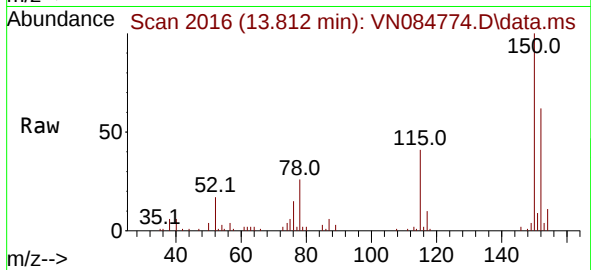
Lab File: VN084774.D

Acq: 11 Nov 2024 16:06

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 469

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 0.0 31.9 95.9#

