

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084689.D
 Acq On : 05 Nov 2024 15:47
 Operator : JC\MD
 Sample : PB164664TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

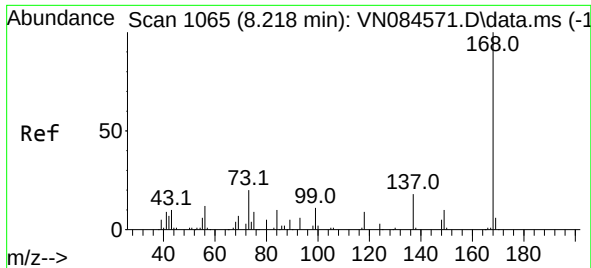
Quant Time: Nov 06 00:33:02 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	188946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	339904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	308439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	141586	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132631	48.600	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.200%
35) Dibromofluoromethane	8.165	113	106889	46.459	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.920%
50) Toluene-d8	10.565	98	403586	47.620	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.240%
62) 4-Bromofluorobenzene	12.847	95	155804	49.189	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	98.380%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	599	Below Cal	#	41
6) Chloroethane	3.118	64	241	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	2295	6.371	ug/l #	73
16) Acetone	4.430	43	27034	31.804	ug/l	97
18) Methyl Acetate	5.024	43	5853	Below Cal	#	78
20) Methylene Chloride	5.265	84	1780	0.742	ug/l #	76
25) 2-Butanone	7.488	43	2952	2.319	ug/l #	80
31) Cyclohexane	8.224	56	4060	1.078	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15708	4.923	ug/l #	51
37) Ethyl Acetate	7.553	43	2948	1.018	ug/l #	78
38) Carbon Tetrachloride	8.224	117	20272	5.684	ug/l #	14
43) Isopropyl Acetate	8.688	43	129795	23.762	ug/l #	89
45) 1,2-Dichloropropane	9.741	63	1023	0.426	ug/l #	44
48) Methyl methacrylate	9.659	41	3091	1.372	ug/l #	13
51) 4-Methyl-2-Pentanone	10.441	43	4691	1.700	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	39852	10.174	ug/l #	57
56) Ethyl methacrylate	10.976	69	1401	0.429	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4880	1.260	ug/l #	42
59) 2-Hexanone	11.170	43	96198	47.887	ug/l #	24
74) N-amyl acetate	12.488	43	1474	0.349	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	80399	28.407	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80399	67.393	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	227	Below Cal	#	1
95) Naphthalene	15.641	128	1899	0.232	ug/l #	81

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

Quant Time: Nov 06 00:33:02 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

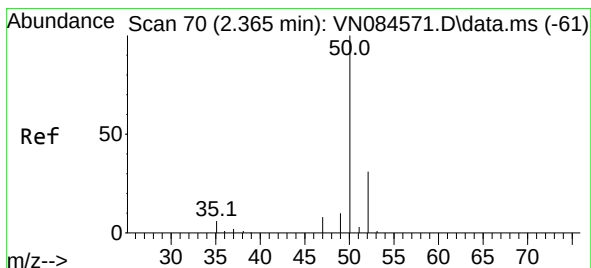
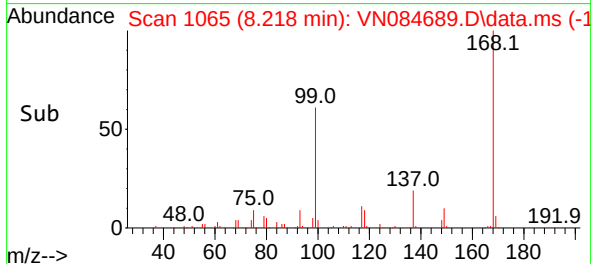
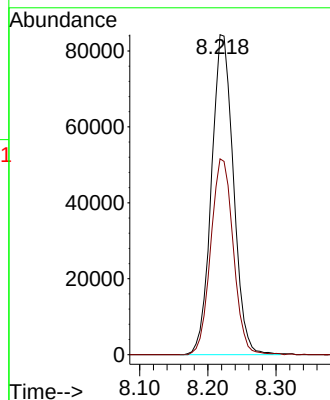
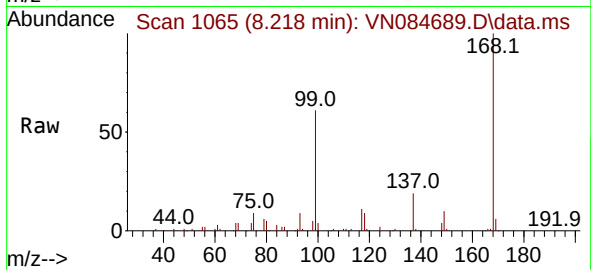




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

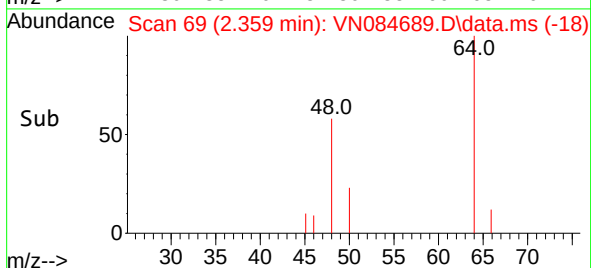
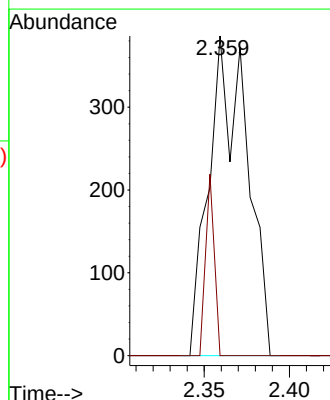
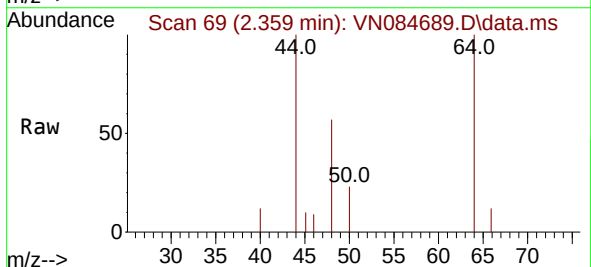
Instrument :
MSVOA_N
ClientSampleId :

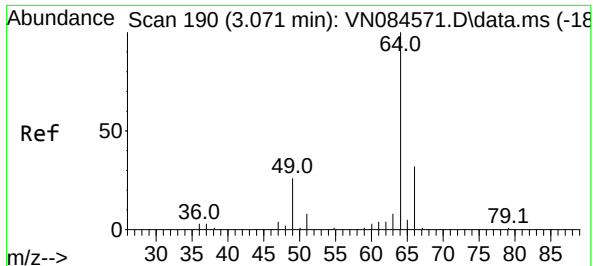
Tgt Ion:168 Resp: 188946
Ion Ratio Lower Upper
168 100
99 61.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

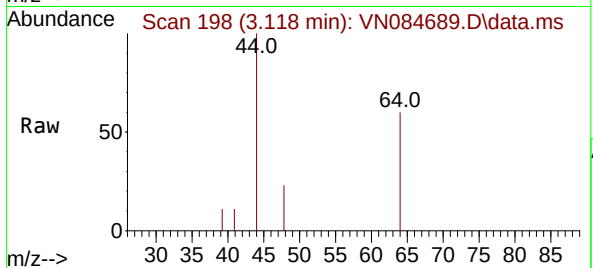
Tgt Ion: 50 Resp: 599
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



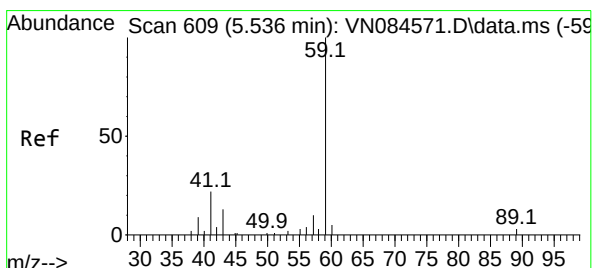
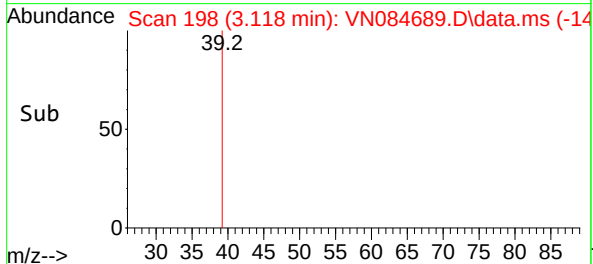
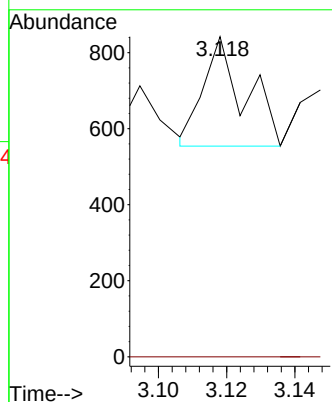


#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

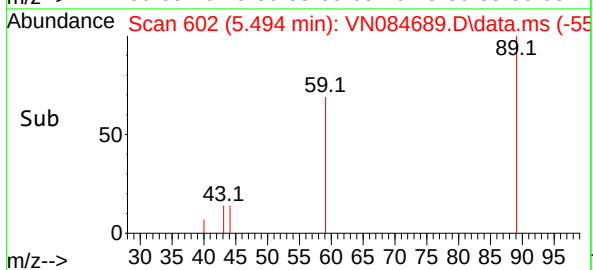
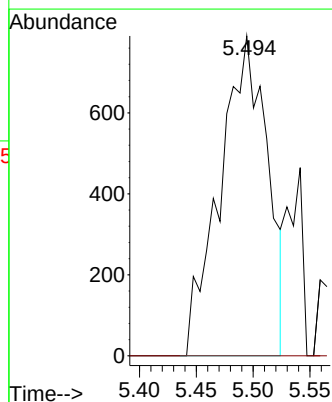
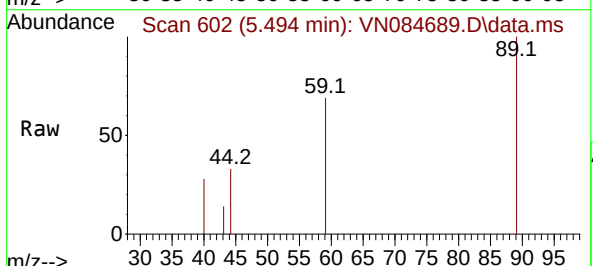


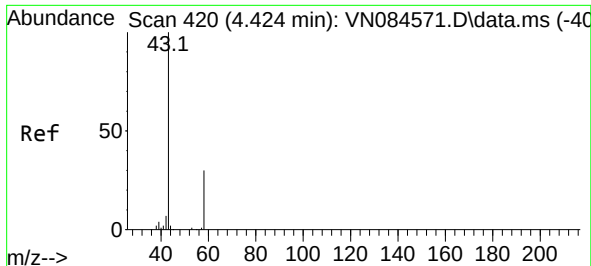
Tgt Ion: 64 Resp: 241
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 6.371 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.030 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

Tgt Ion: 59 Resp: 2295
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

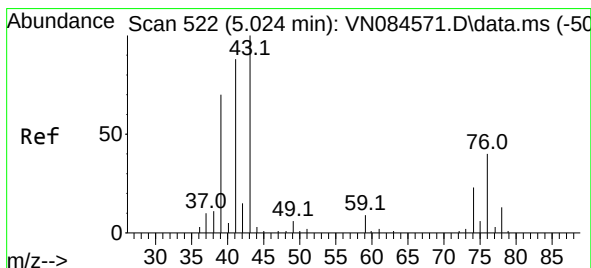
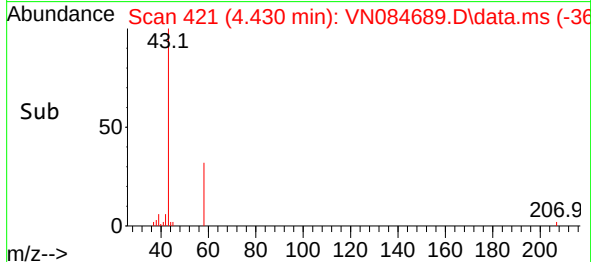
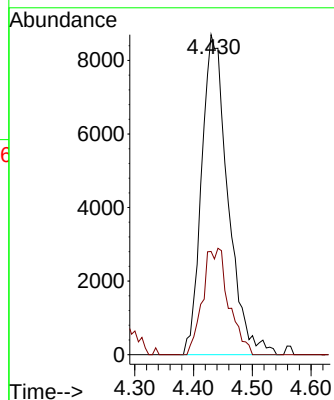
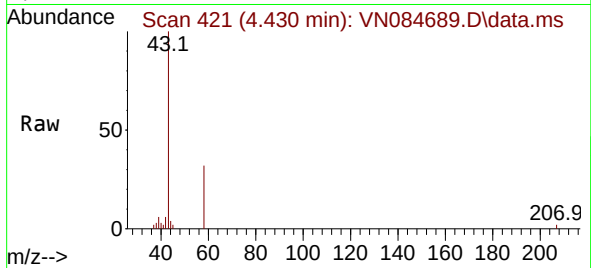




#16
Acetone
Concen: 31.804 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

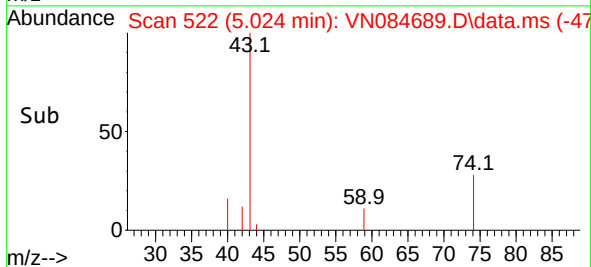
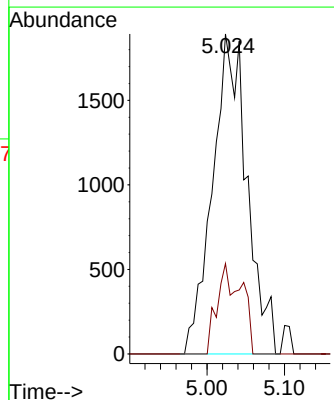
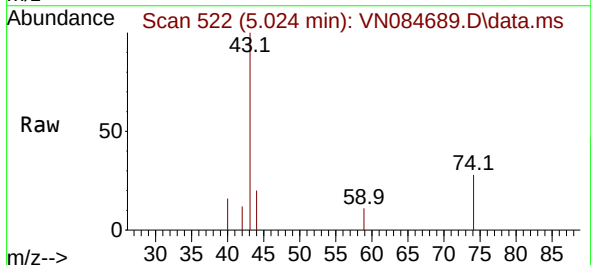
Instrument :
MSVOA_N
ClientSampleId :

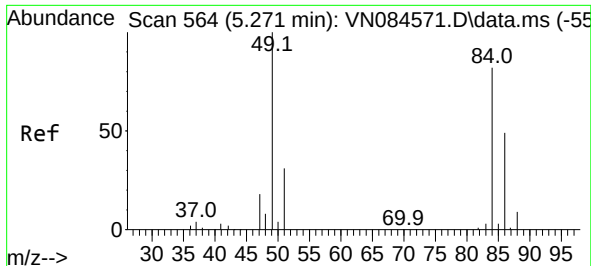
Tgt Ion: 43 Resp: 27034
Ion Ratio Lower Upper
43 100
58 32.2 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

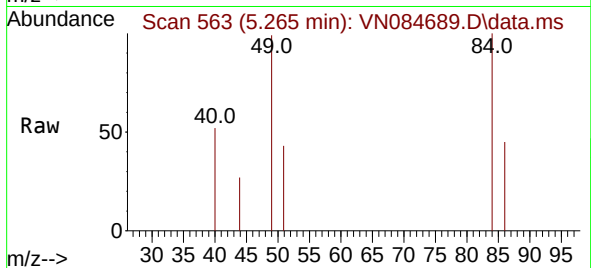
Tgt Ion: 43 Resp: 5853
Ion Ratio Lower Upper
43 100
74 13.0 19.2 28.8#





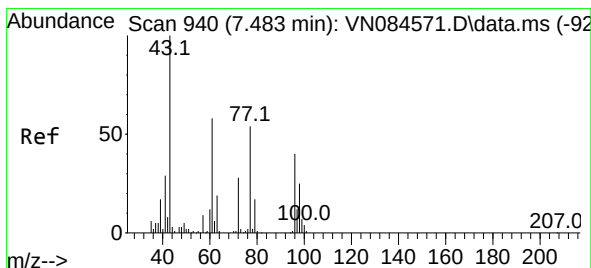
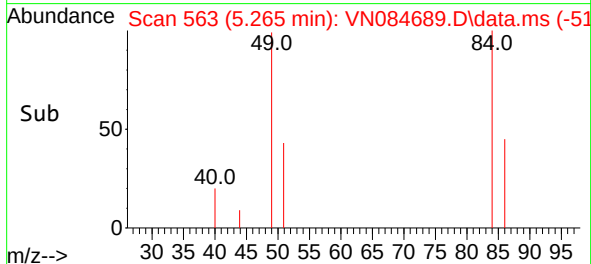
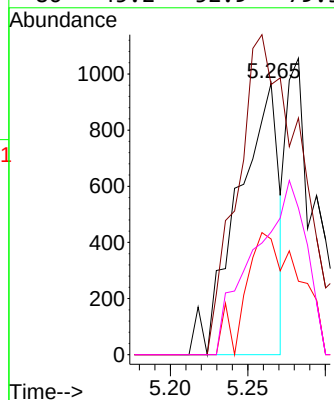
#20
Methylene Chloride
Concen: 0.742 ug/l
RT: 5.265 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 1780

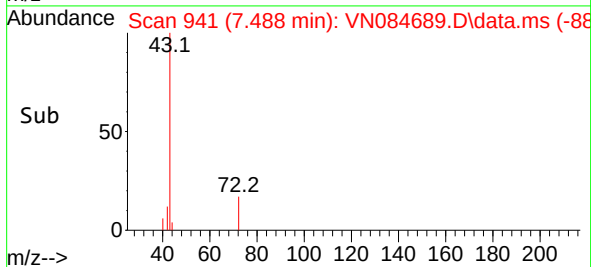
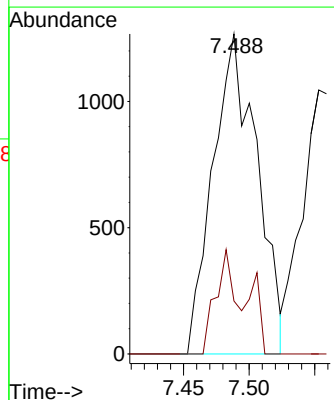
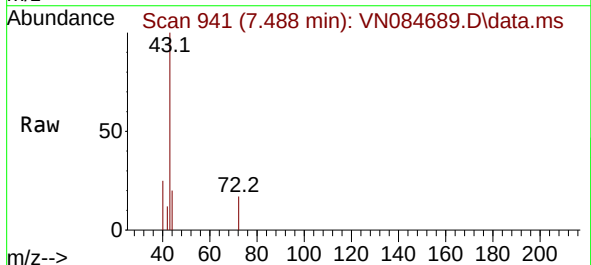
Ion	Ratio	Lower	Upper
84	100		
49	99.5	107.2	160.8#
51	42.6	31.8	47.8
86	45.2	52.9	79.3#

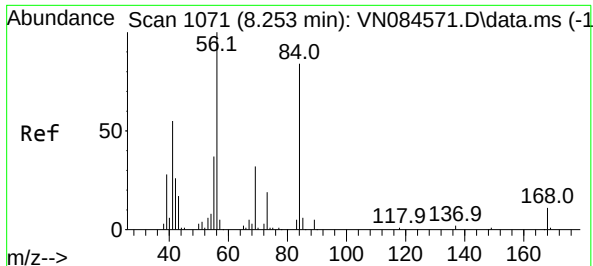


#25
2-Butanone
Concen: 2.319 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

Tgt Ion: 43 Resp: 2952

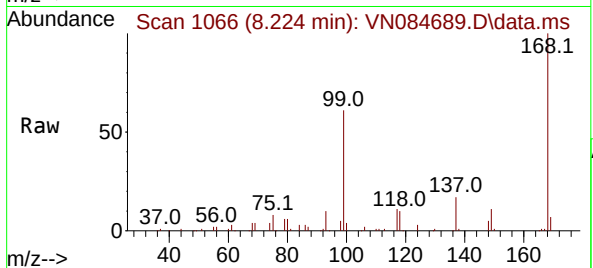
Ion	Ratio	Lower	Upper
43	100		
72	16.6	21.4	32.2#



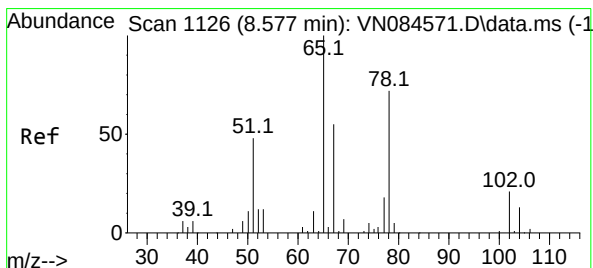
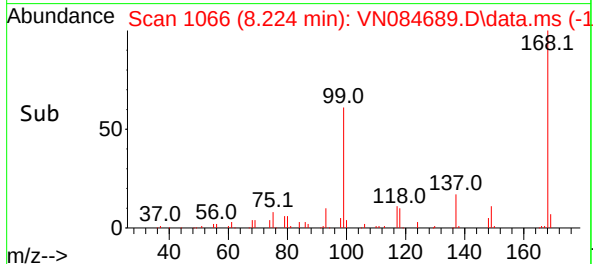
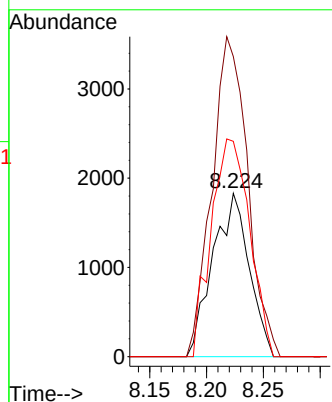


#31
Cyclohexane
Concen: 1.078 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

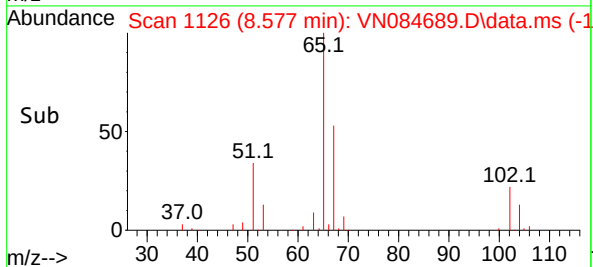
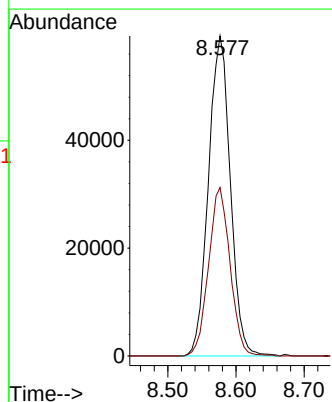
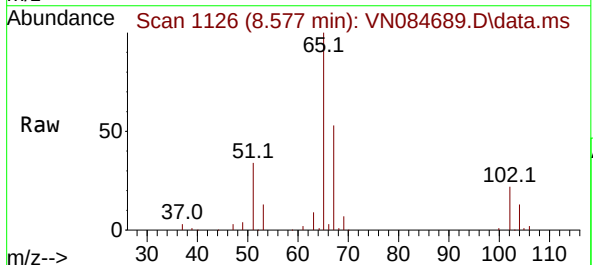


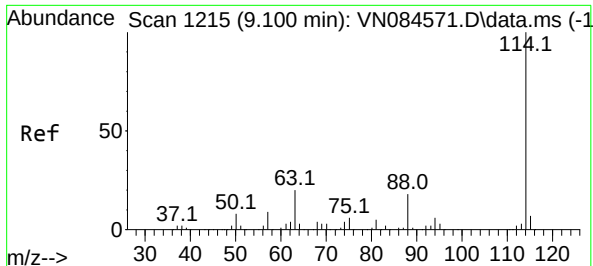
Tgt Ion: 56 Resp: 4060
Ion Ratio Lower Upper
56 100
69 183.7 23.8 35.6#
84 131.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 48.600 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

Tgt Ion: 65 Resp: 132631
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084689.D

Acq: 05 Nov 2024 15:47

Instrument :

MSVOA_N

ClientSampleId :

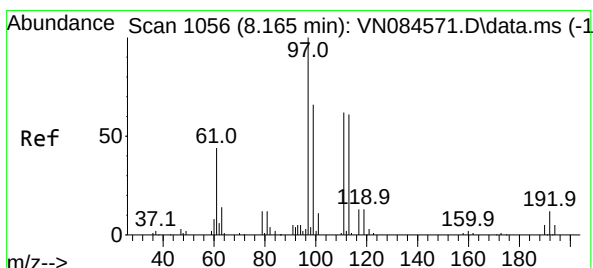
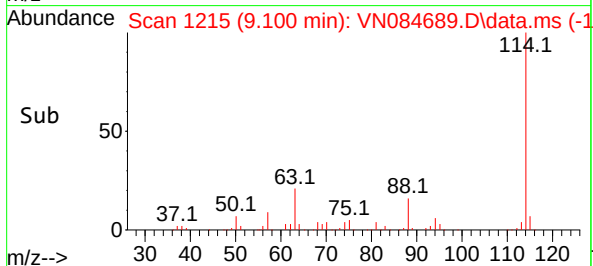
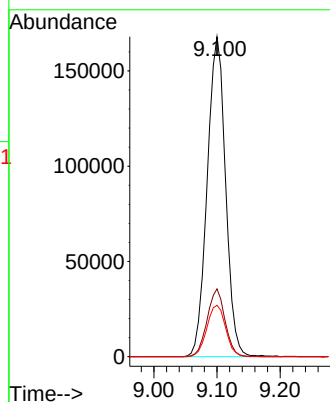
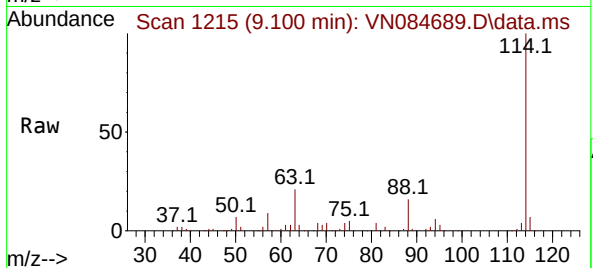
Tgt Ion:114 Resp: 339904

Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.8

88 16.0 0.0 31.6



#35

Dibromofluoromethane

Concen: 46.459 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084689.D

Acq: 05 Nov 2024 15:47

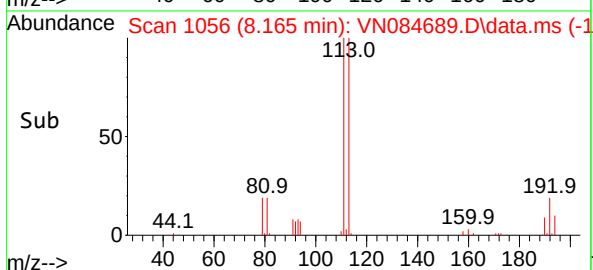
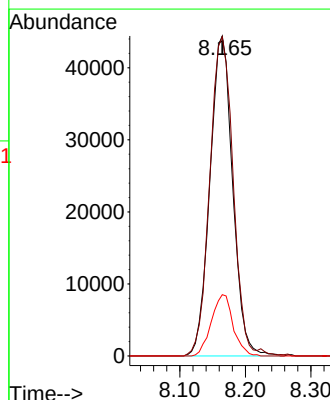
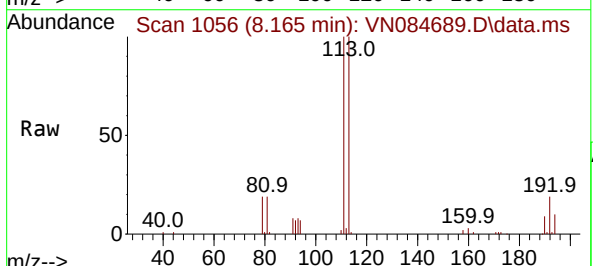
Tgt Ion:113 Resp: 106889

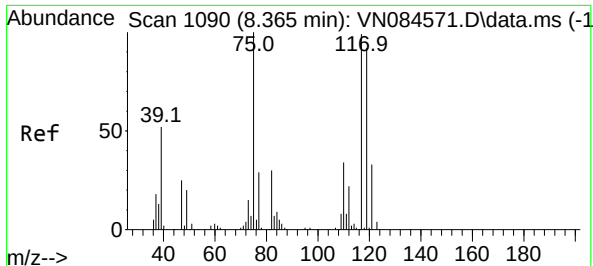
Ion Ratio Lower Upper

113 100

111 103.0 83.3 124.9

192 18.3 13.5 20.3





#36

1,1-Dichloropropene

Concen: 4.923 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

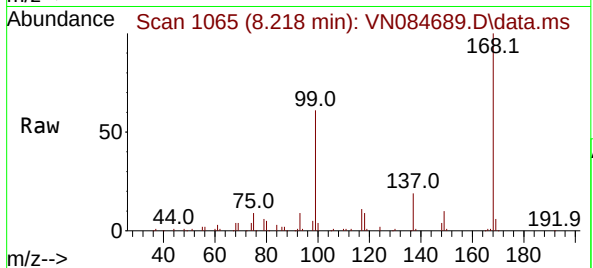
Lab File: VN084689.D

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ClientSampleId :



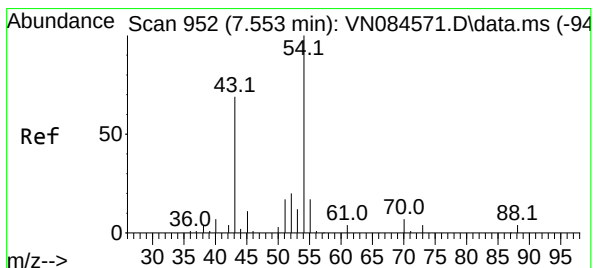
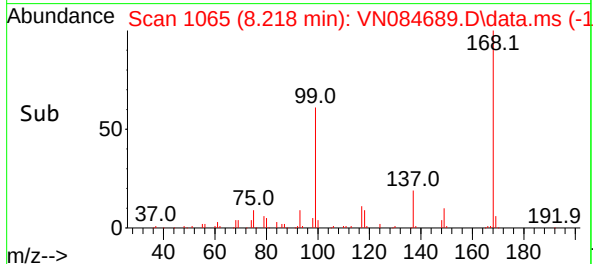
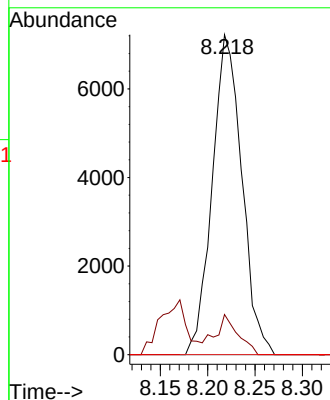
Tgt Ion: 75 Resp: 15708

Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.018 ug/l

RT: 7.553 min Scan# 952

Delta R.T. -0.006 min

Lab File: VN084689.D

Acq: 05 Nov 2024 15:47

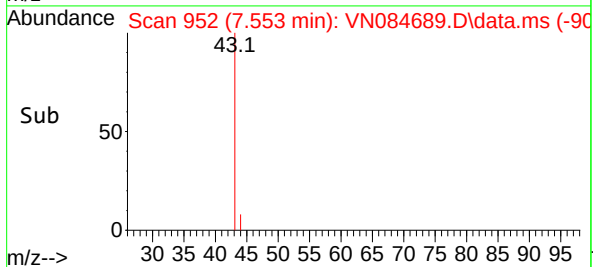
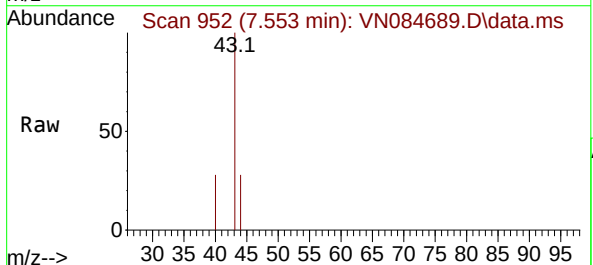
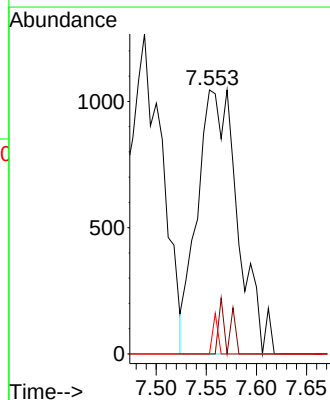
Tgt Ion: 43 Resp: 2948

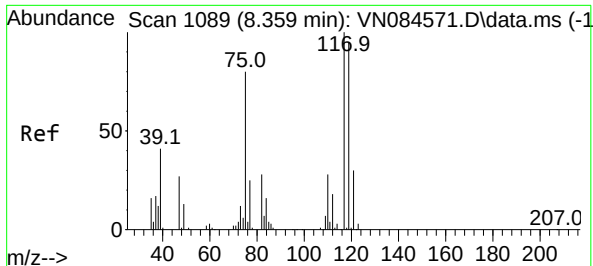
Ion Ratio Lower Upper

43 100

61 4.9 10.7 16.1#

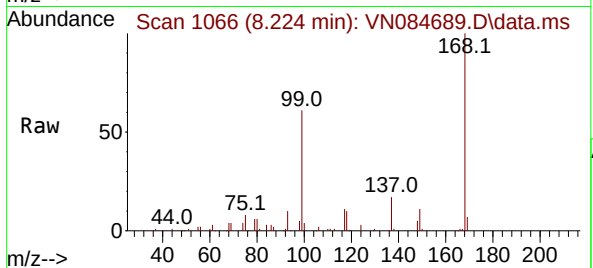
70 1.9 8.8 13.2#



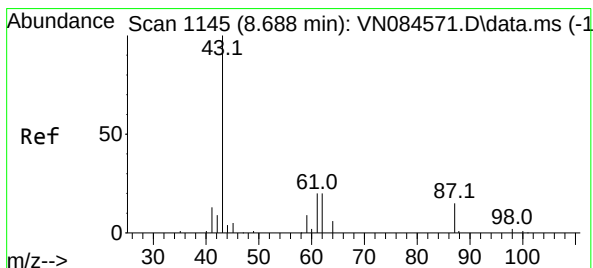
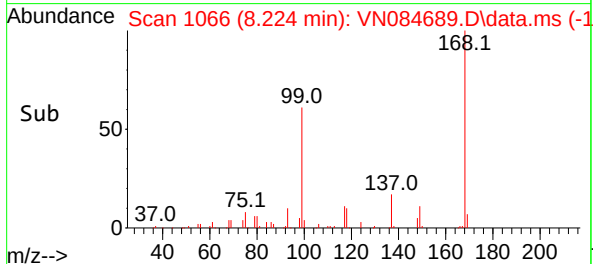
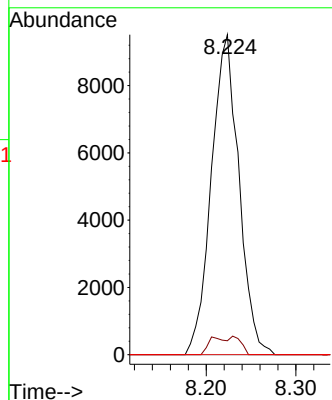


#38
Carbon Tetrachloride
Concen: 5.684 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

Instrument :
MSVOA_N
ClientSampleId :

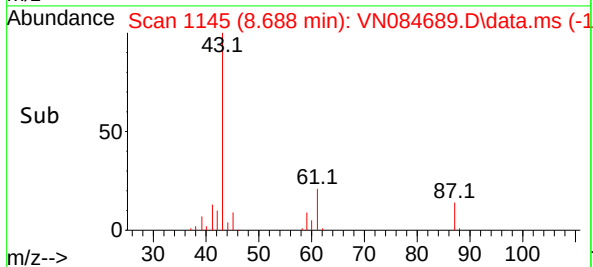
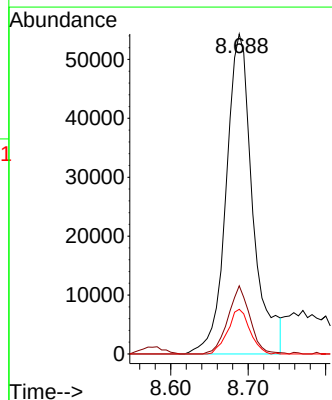
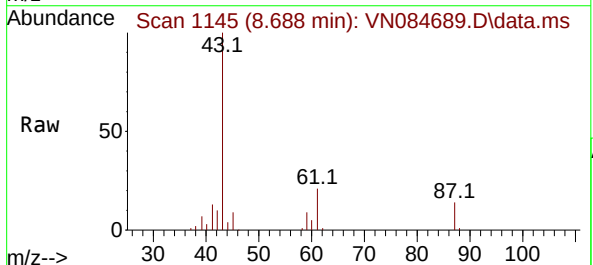


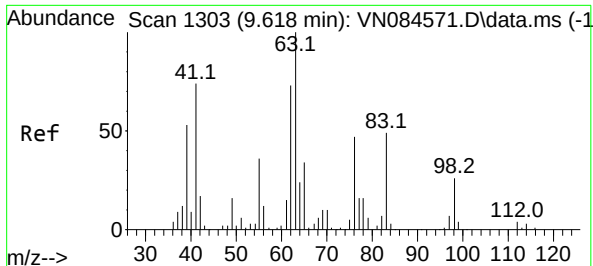
Tgt Ion:117 Resp: 20272
Ion Ratio Lower Upper
117 100
119 4.3 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 23.762 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

Tgt Ion: 43 Resp: 129795
Ion Ratio Lower Upper
43 100
61 17.6 20.4 30.6#
87 11.7 10.3 15.5





#45

1,2-Dichloropropane

Concen: 0.426 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084689.D

Acq: 05 Nov 2024 15:47

Instrument :

MSVOA_N

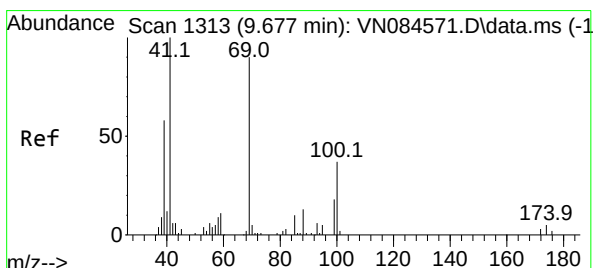
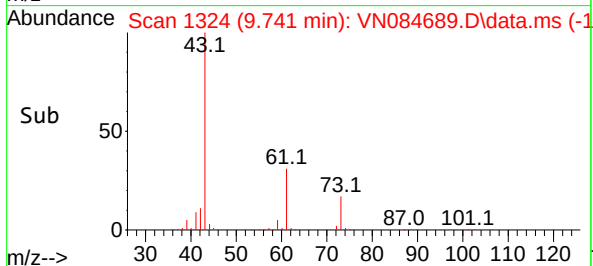
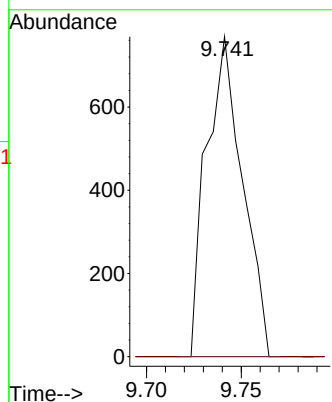
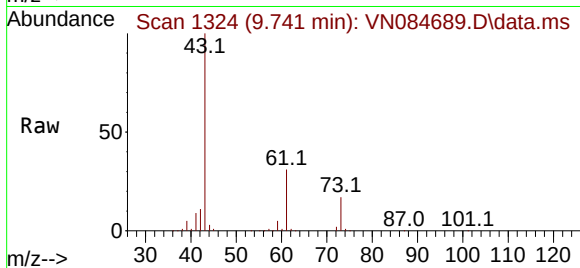
ClientSampleId :

Tgt Ion: 63 Resp: 1023

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.372 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084689.D

Acq: 05 Nov 2024 15:47

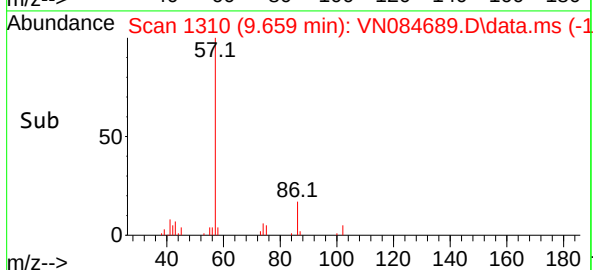
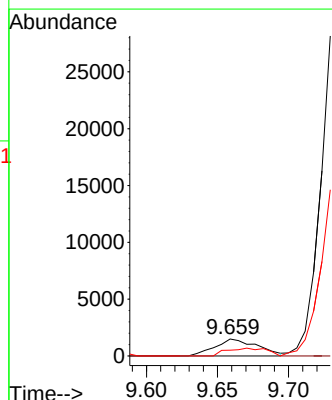
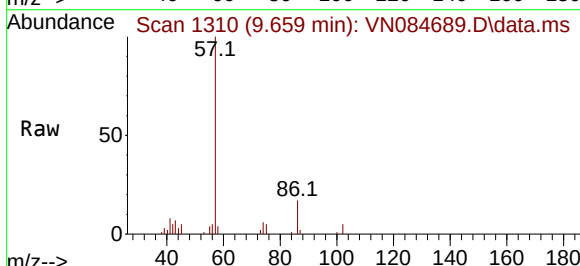
Tgt Ion: 41 Resp: 3091

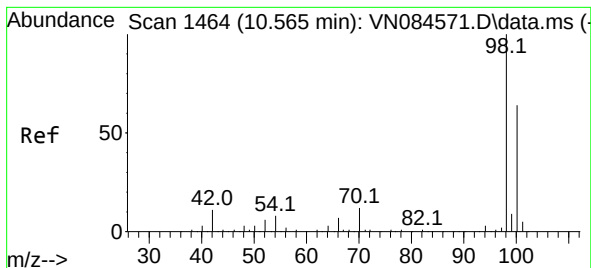
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 0.0 45.8 68.6#

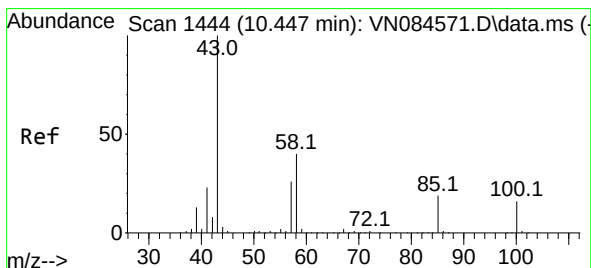
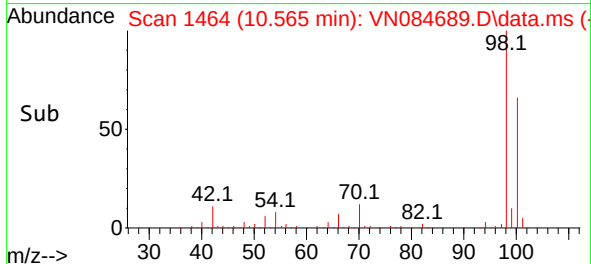
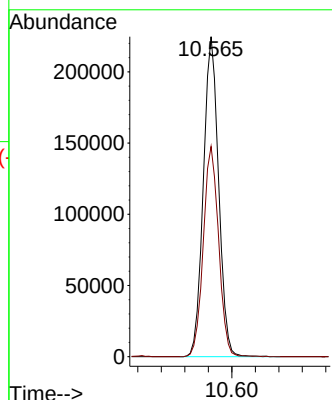
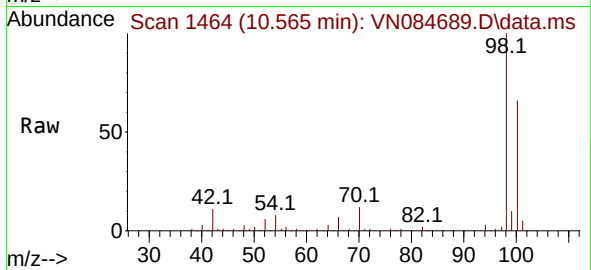




#50
Toluene-d8
Concen: 47.620 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

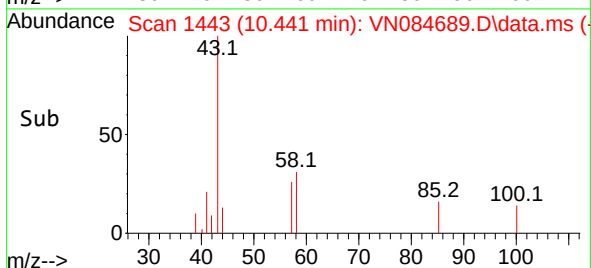
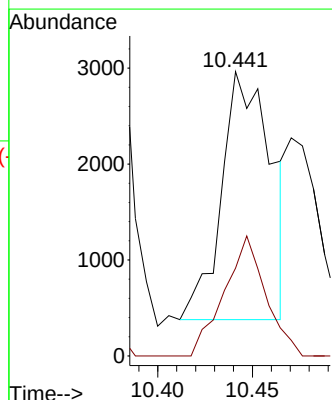
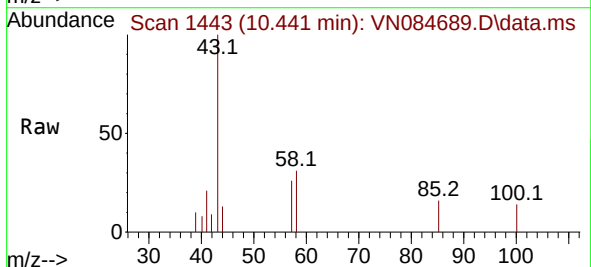
Instrument :
MSVOA_N
ClientSampleId :

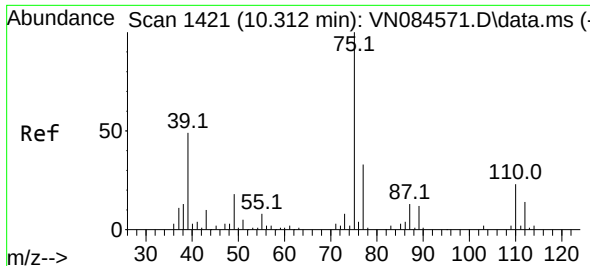
Tgt Ion: 98 Resp: 403586
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.700 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

Tgt Ion: 43 Resp: 4691
Ion Ratio Lower Upper
43 100
58 40.6 31.6 47.4

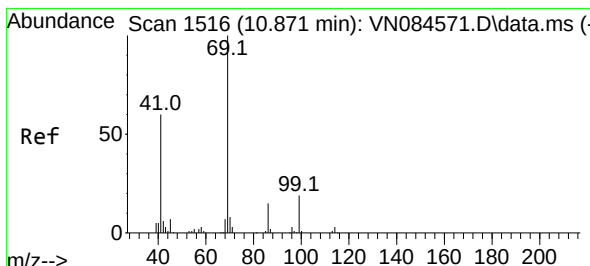
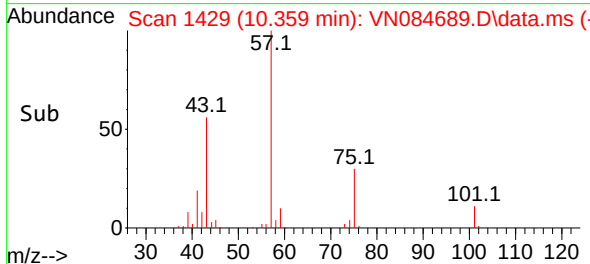
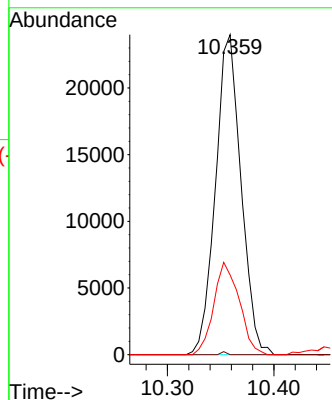
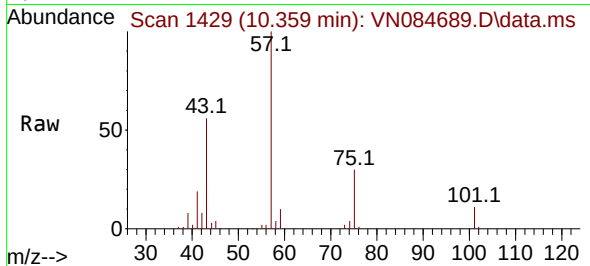




#54
 cis-1,3-Dichloropropene
 Concen: 10.174 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084689.D
 Acq: 05 Nov 2024 15:47

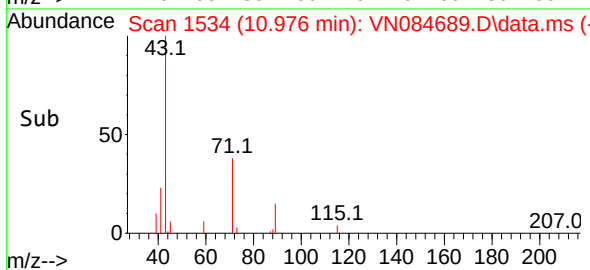
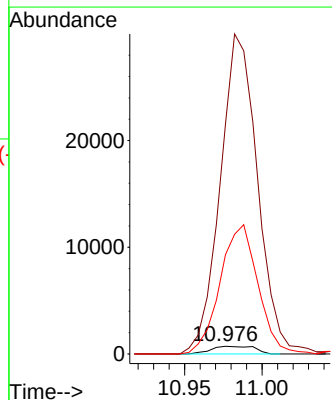
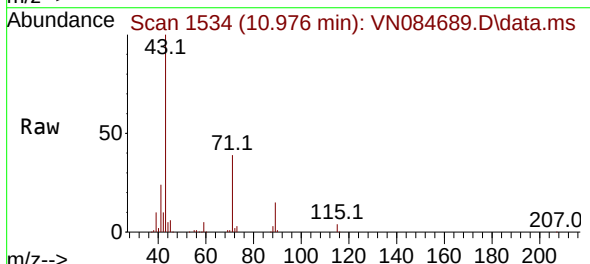
Instrument :
 MSVOA_N
 ClientSampleId :

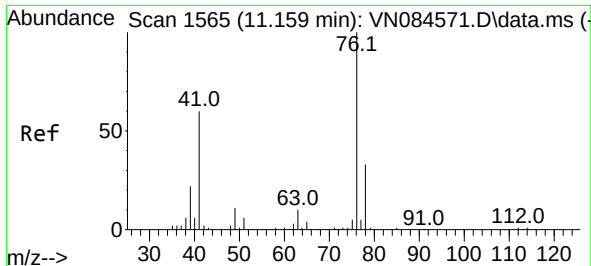
Tgt Ion: 75 Resp: 39852
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 24.9 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.429 ug/l
 RT: 10.976 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN084689.D
 Acq: 05 Nov 2024 15:47

Tgt Ion: 69 Resp: 1401
 Ion Ratio Lower Upper
 69 100
 41 3607.4 53.3 79.9#
 39 1469.8 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.260 ug/l

RT: 11.200 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN084689.D

Acq: 05 Nov 2024 15:47

Instrument :

MSVOA_N

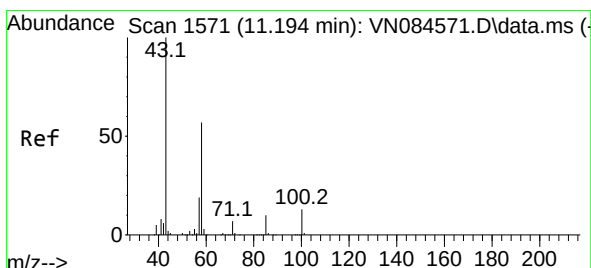
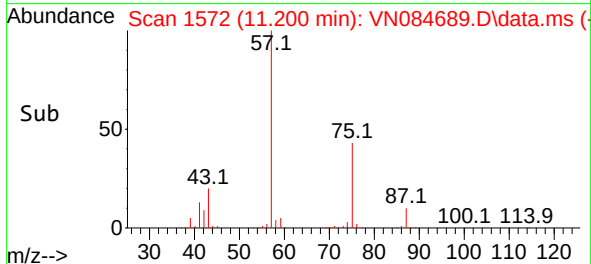
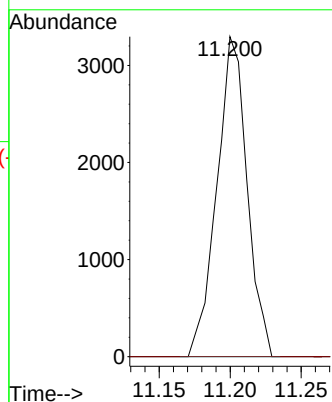
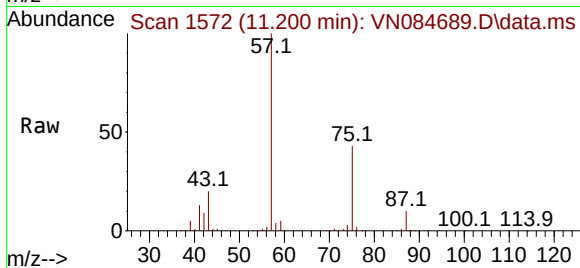
ClientSampleId :

Tgt Ion: 76 Resp: 4880

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 47.887 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084689.D

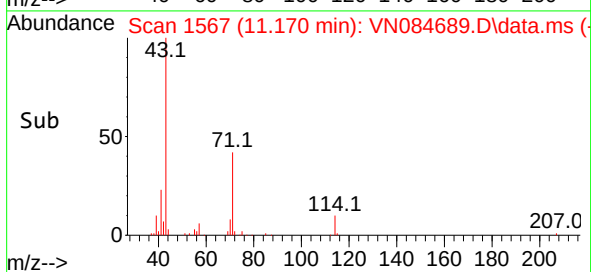
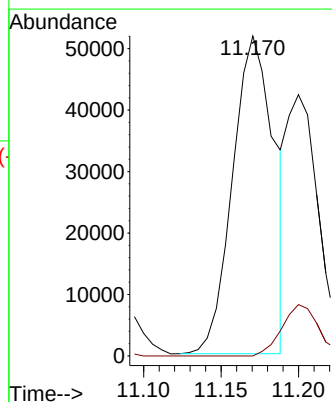
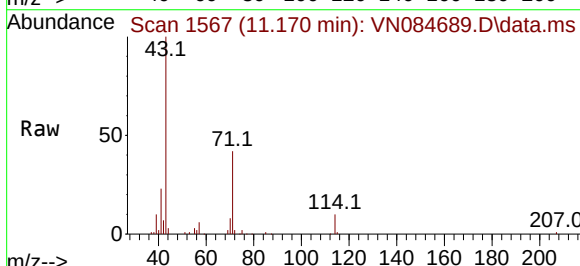
Acq: 05 Nov 2024 15:47

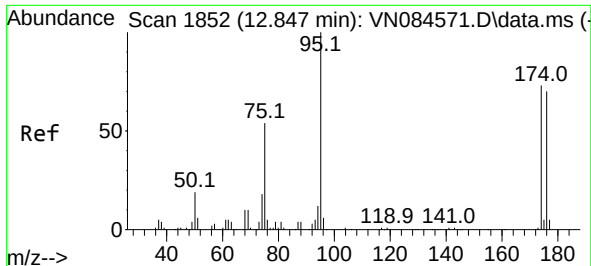
Tgt Ion: 43 Resp: 96198

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

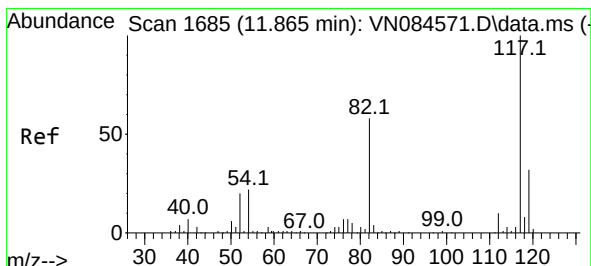
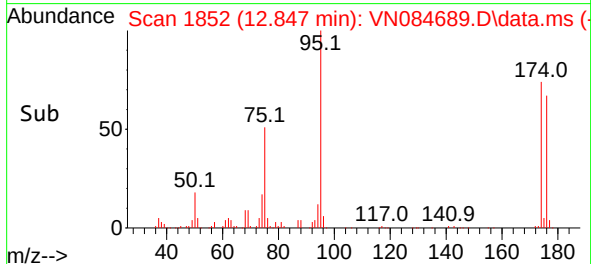
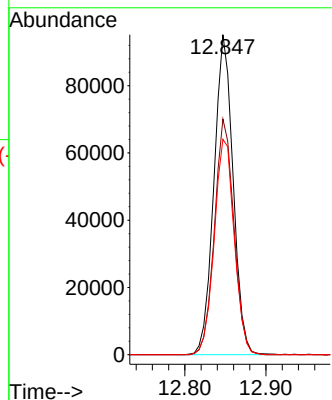
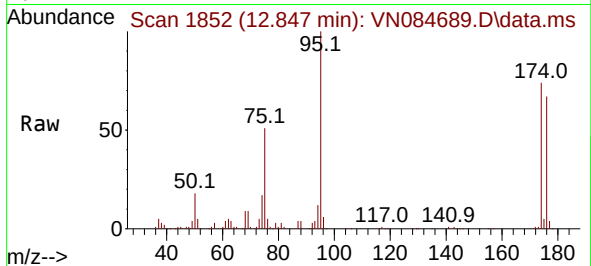




#62
4-Bromofluorobenzene
Concen: 49.189 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

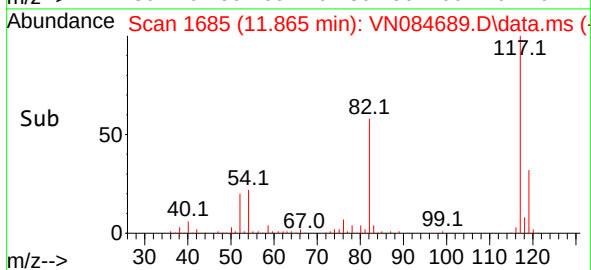
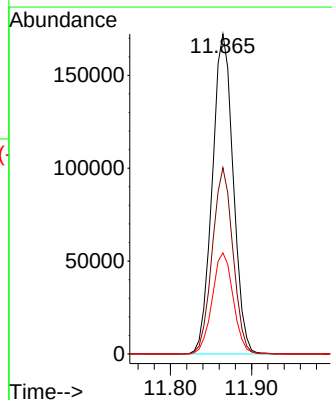
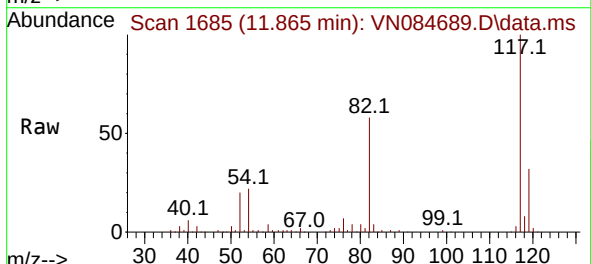
Instrument :
MSVOA_N
ClientSampleId :

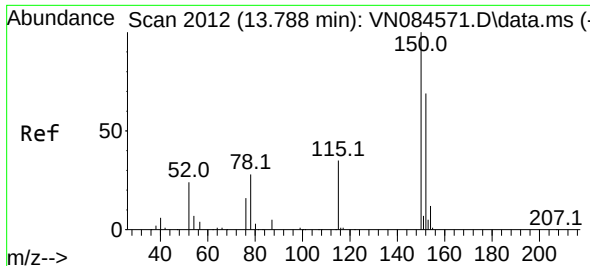
Tgt Ion: 95 Resp: 155804
Ion Ratio Lower Upper
95 100
174 74.7 0.0 145.2
176 70.5 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

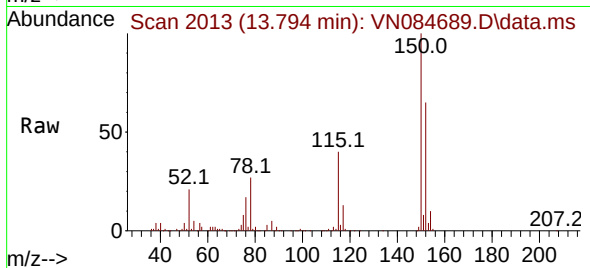
Tgt Ion: 117 Resp: 308439
Ion Ratio Lower Upper
117 100
82 58.2 47.2 70.8
119 31.6 25.4 38.0



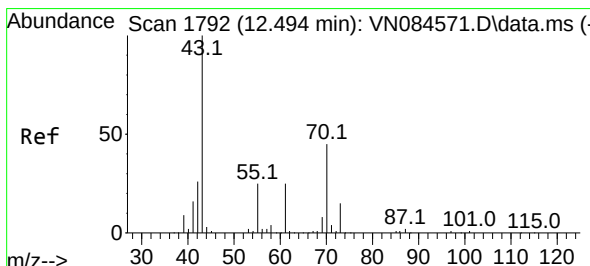
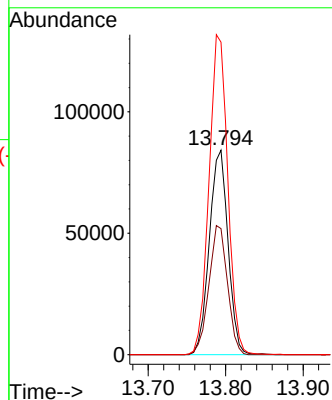
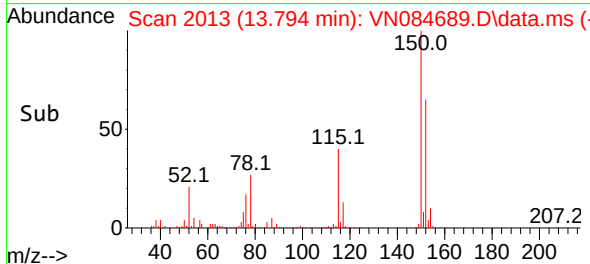


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2012
 Delta R.T. 0.006 min
 Lab File: VN084689.D
 Acq: 05 Nov 2024 15:47

Instrument :
 MSVOA_N
 ClientSampleId :

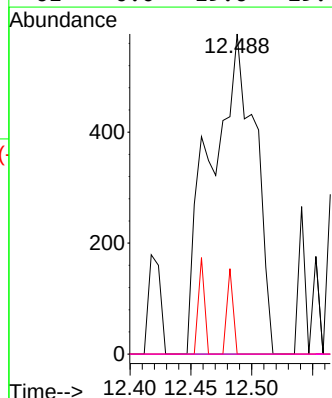
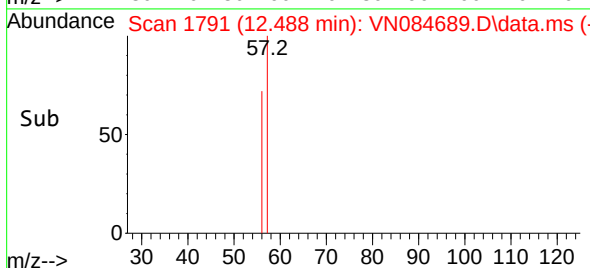
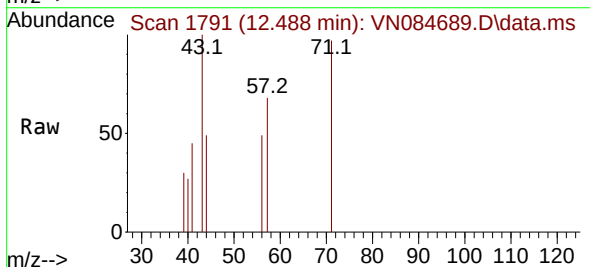


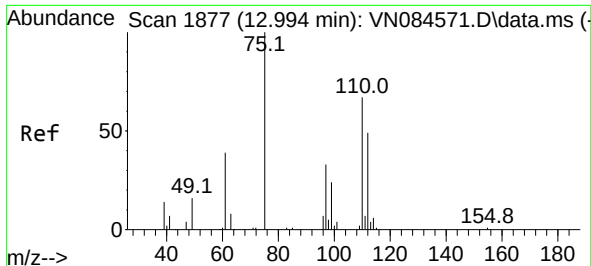
Tgt Ion:152 Resp: 141586
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.3 93.9
 150 156.3 0.0 349.8



#74
 N-ethyl acetate
 Concen: 0.349 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN084689.D
 Acq: 05 Nov 2024 15:47

Tgt Ion: 43 Resp: 1474
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.4 51.6#
 55 3.7 19.6 29.4#
 61 0.0 19.6 29.4#

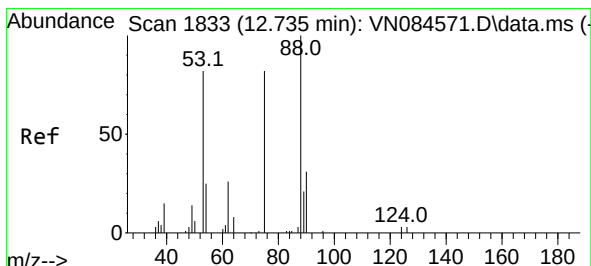
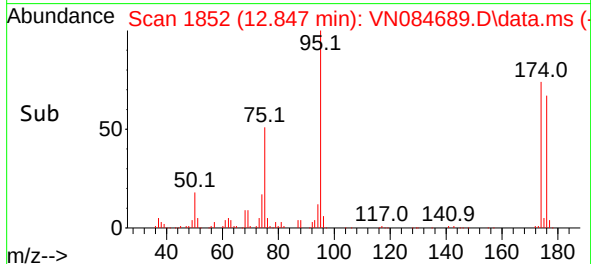
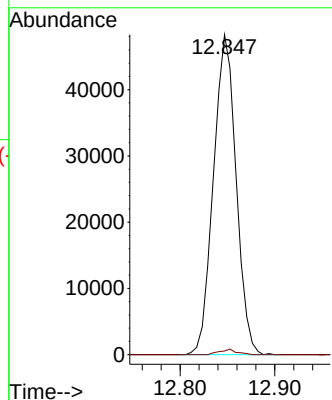
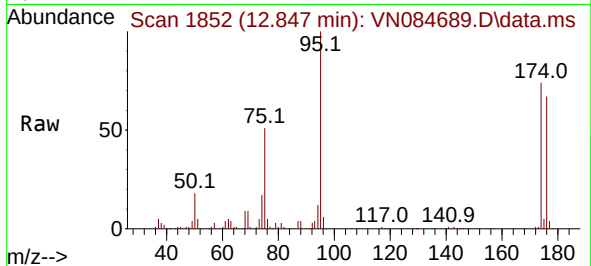




#76
1,2,3-Trichloropropane
Concen: 28.407 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

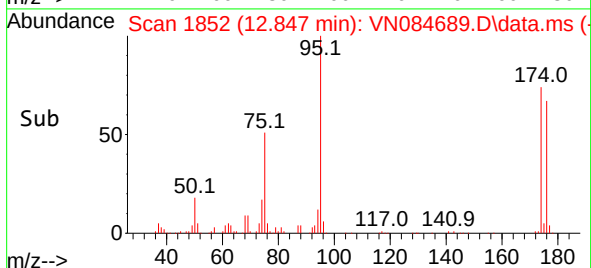
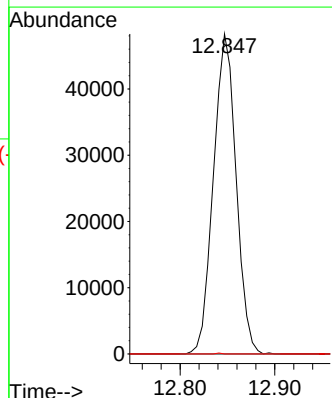
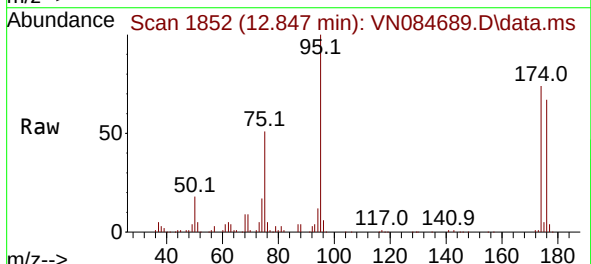
Instrument :
MSVOA_N
ClientSampleId :

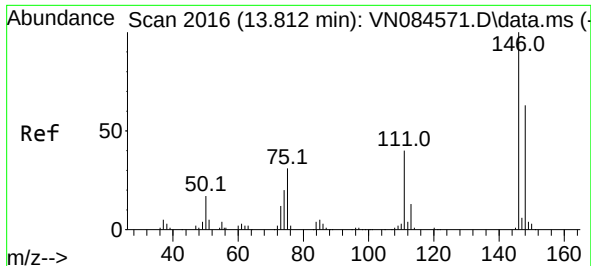
Tgt Ion: 75 Resp: 80399
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.393 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

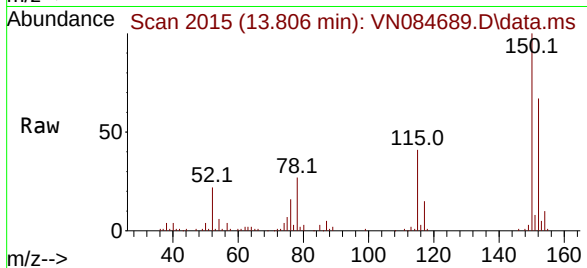
Tgt Ion: 75 Resp: 80399
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 35.5 53.3#



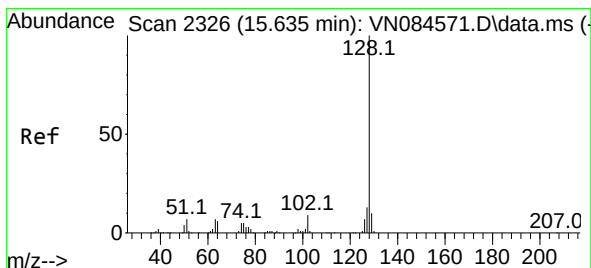
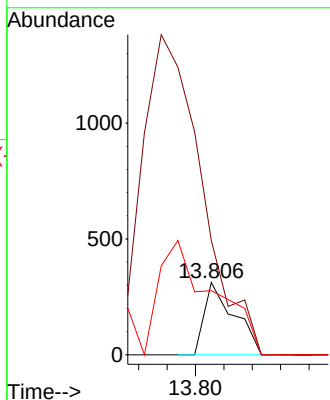
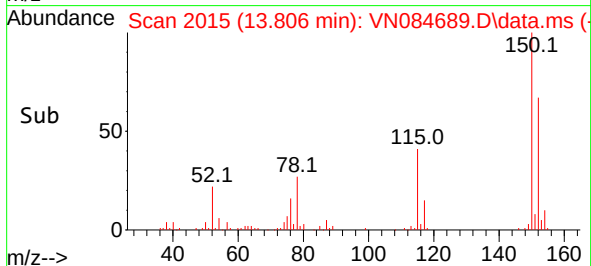


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47

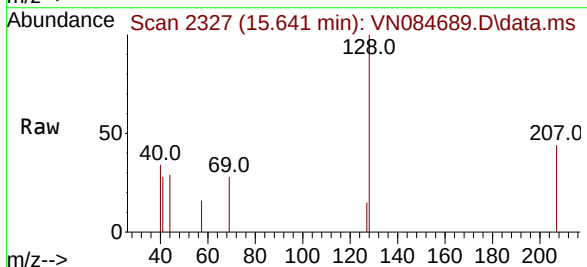
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 227
Ion Ratio Lower Upper
146 100
111 915.9 21.2 63.6#
148 321.6 31.9 95.9#



#95
Naphthalene
Concen: 0.232 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084689.D
Acq: 05 Nov 2024 15:47



Tgt Ion:128 Resp: 1899
Ion Ratio Lower Upper
128 100
127 8.8 10.5 15.7#
129 0.0 8.7 13.1#

