

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084603.D
 Acq On : 31 Oct 2024 06:09
 Operator : JC\MD
 Sample : P4613-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ARS20-0001

Quant Time: Nov 01 05:22:24 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	175214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	295946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	128254	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132025	52.170	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	104.340%
35) Dibromofluoromethane	8.159	113	104147	47.259	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.520%
50) Toluene-d8	10.565	98	387824	47.774	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.540%
62) 4-Bromofluorobenzene	12.847	95	143186	47.195	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	94.400%

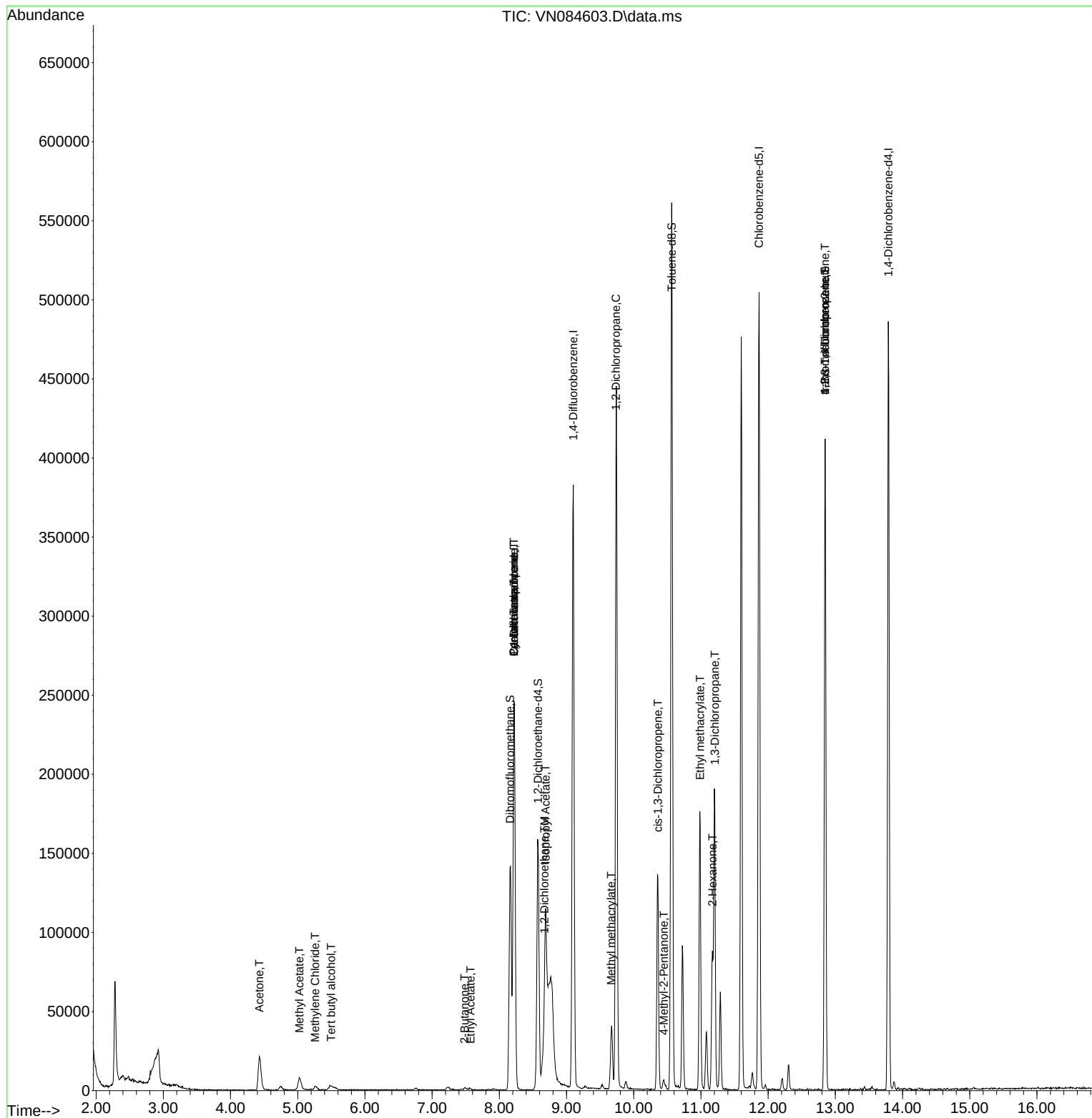
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	1391	Below Cal	#	41
6) Chloroethane	3.083	64	890	Below Cal	#	77
11) Tert butyl alcohol	5.495	59	2220	6.646	ug/l #	73
16) Acetone	4.430	43	41662	54.764	ug/l	98
18) Methyl Acetate	5.024	43	17516	2.790	ug/l	97
20) Methylene Chloride	5.259	84	930	0.418	ug/l #	68
25) 2-Butanone	7.483	43	2681	2.271	ug/l	95
31) Cyclohexane	8.218	56	3846	1.101	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	15254	4.991	ug/l #	50
37) Ethyl Acetate	7.571	43	1718	0.620	ug/l #	74
38) Carbon Tetrachloride	8.218	117	19070	5.582	ug/l #	15
42) 1,2-Dichloroethane	8.671	62	812	0.255	ug/l #	75
43) Isopropyl Acetate	8.688	43	169480	32.750	ug/l #	73
45) 1,2-Dichloropropane	9.735	63	461	0.200	ug/l #	44
48) Methyl methacrylate	9.665	41	2504	1.160	ug/l #	45
51) 4-Methyl-2-Pentanone	10.447	43	6509	2.462	ug/l #	75
54) cis-1,3-Dichloropropene	10.359	75	25362	6.760	ug/l #	66
56) Ethyl methacrylate	10.988	69	1183	0.378	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	2026	0.546	ug/l #	42
59) 2-Hexanone	11.171	43	92517	48.082	ug/l #	24
76) 1,2,3-Trichloropropane	12.847	75	73347	28.609	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	73347	67.873	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	72	Below Cal	#	1

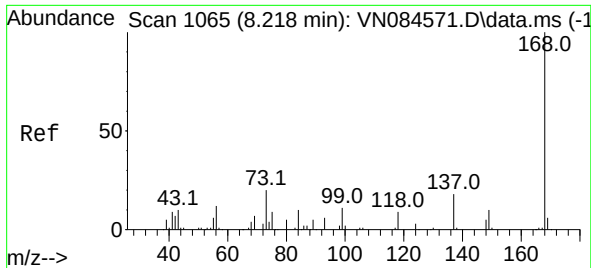
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084603.D
Acq On : 31 Oct 2024 06:09
Operator : JC\MD
Sample : P4613-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

Quant Time: Nov 01 05:22:24 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

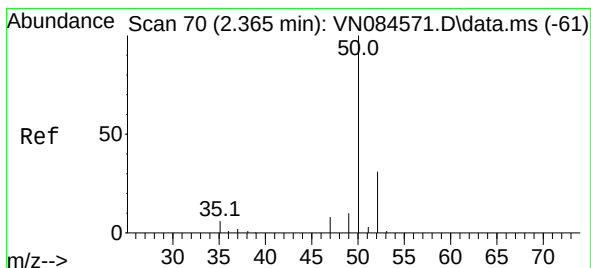
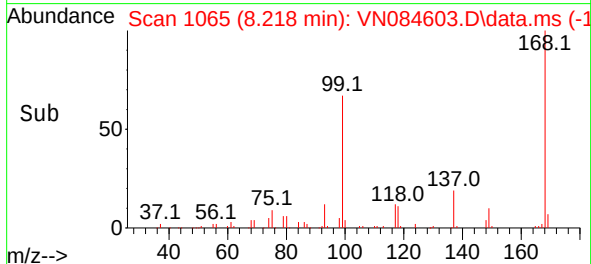
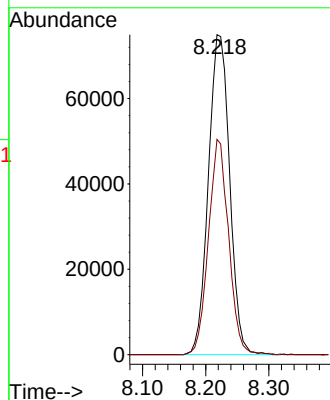
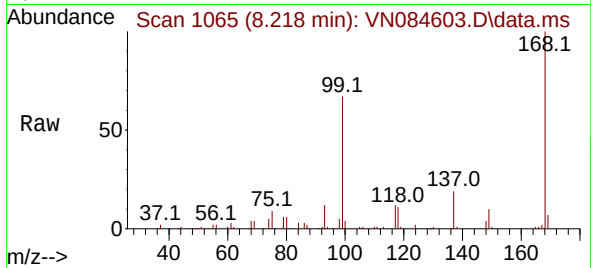




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

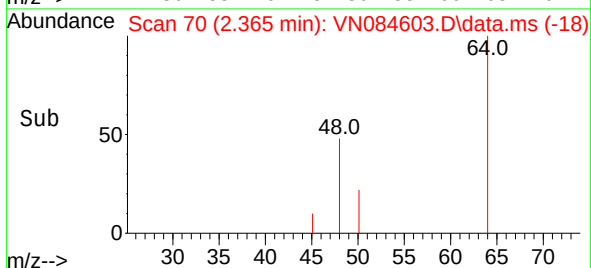
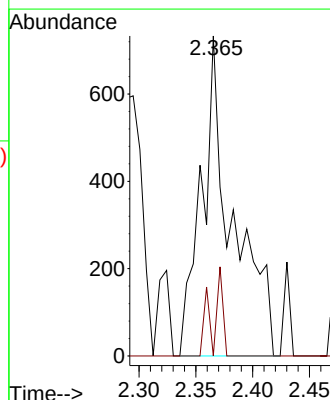
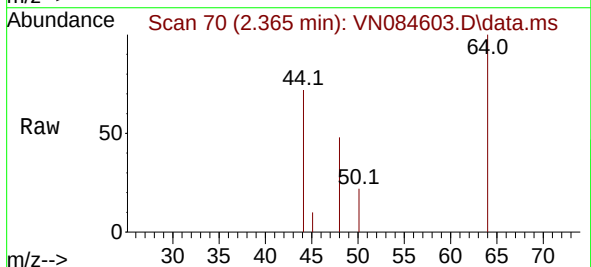
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

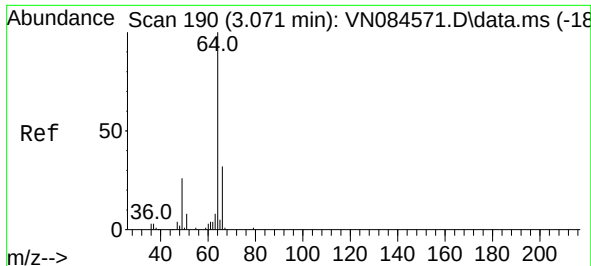
Tgt Ion:168 Resp: 175214
Ion Ratio Lower Upper
168 100
99 67.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion: 50 Resp: 1391
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

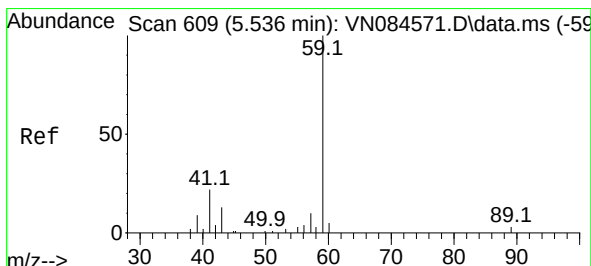
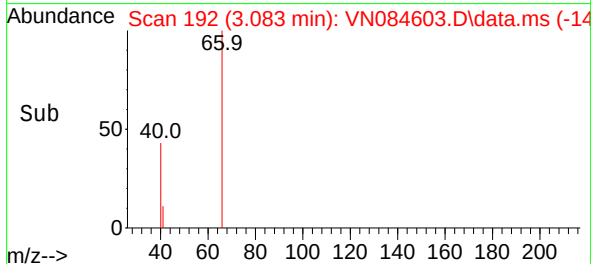
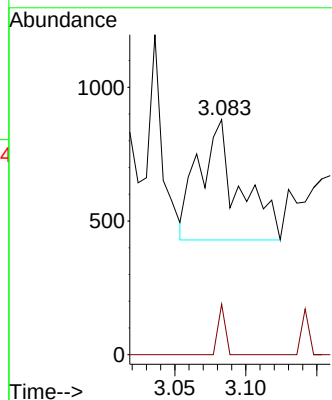
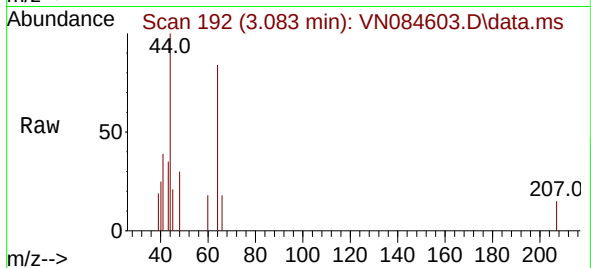




#6
Chloroethane
Concen: Below Cal
RT: 3.083 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

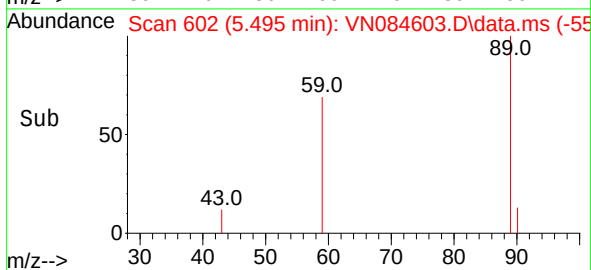
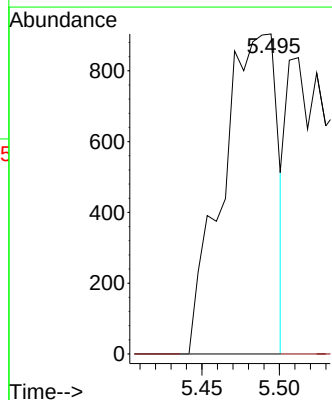
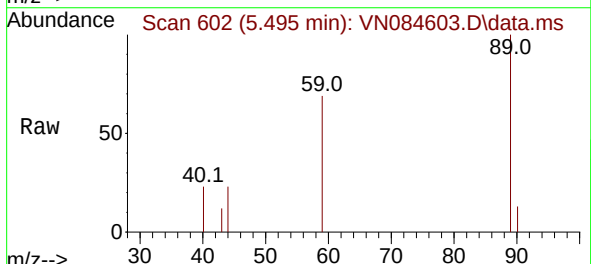
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

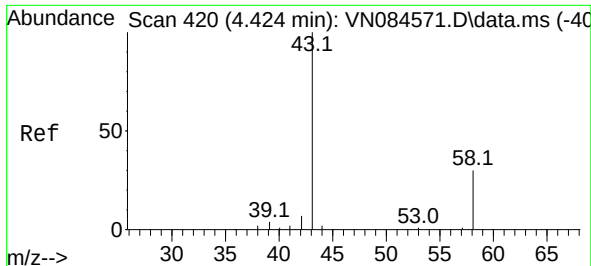
Tgt Ion: 64 Resp: 890
Ion Ratio Lower Upper
64 100
66 42.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 6.646 ug/l
RT: 5.495 min Scan# 602
Delta R.T. -0.029 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion: 59 Resp: 2220
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

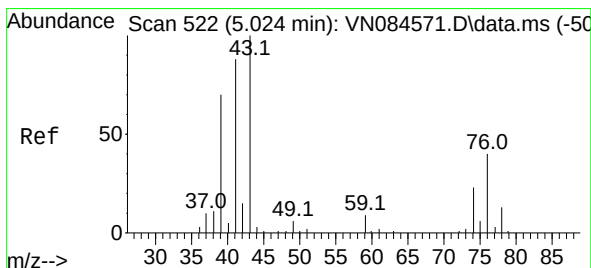
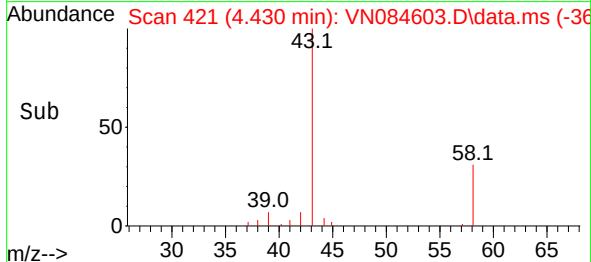
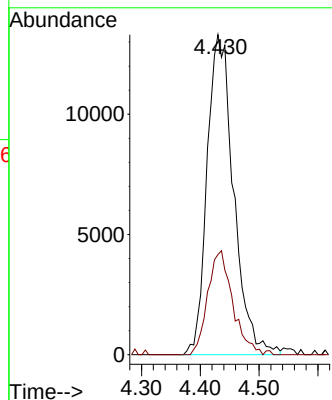
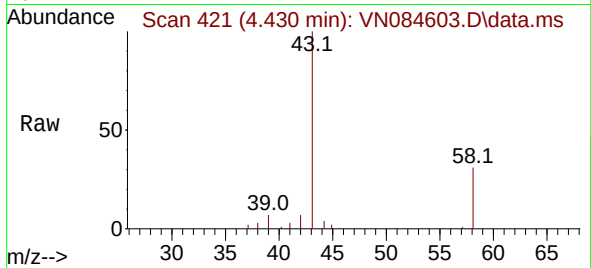




#16
Acetone
Concen: 54.764 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

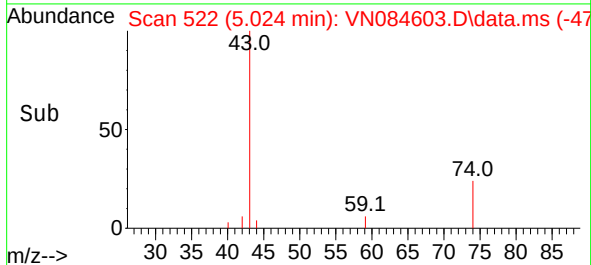
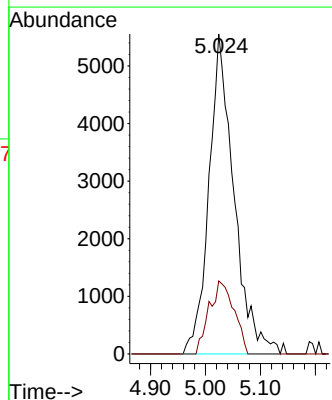
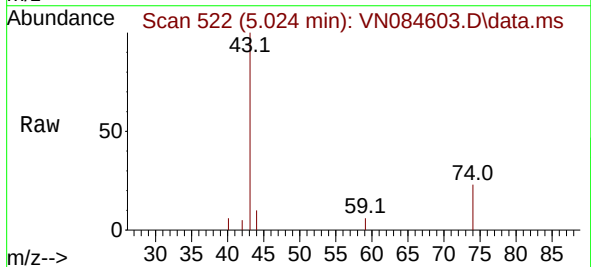
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

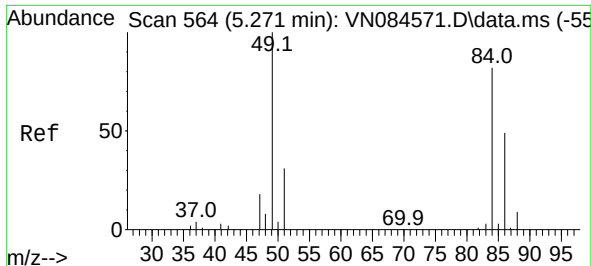
Tgt Ion: 43 Resp: 41662
Ion Ratio Lower Upper
43 100
58 31.3 24.4 36.6



#18
Methyl Acetate
Concen: 2.790 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion: 43 Resp: 17516
Ion Ratio Lower Upper
43 100
74 22.6 19.2 28.8

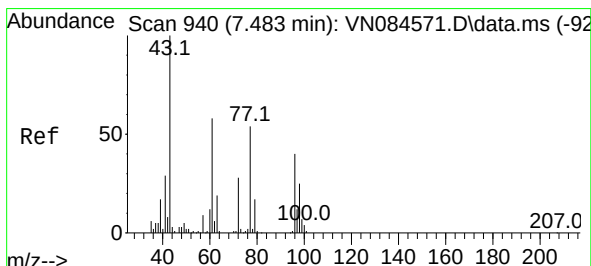
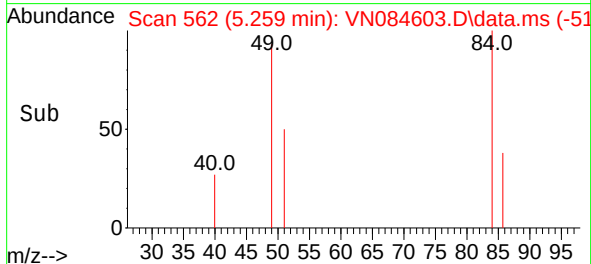
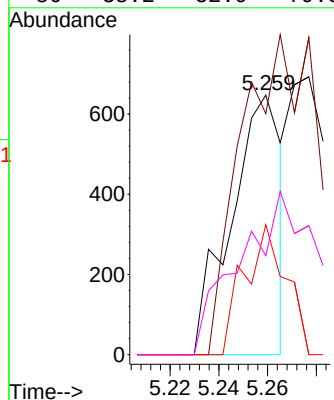
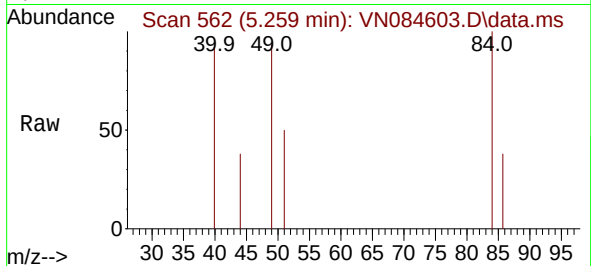




#20
Methylene Chloride
Concen: 0.418 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

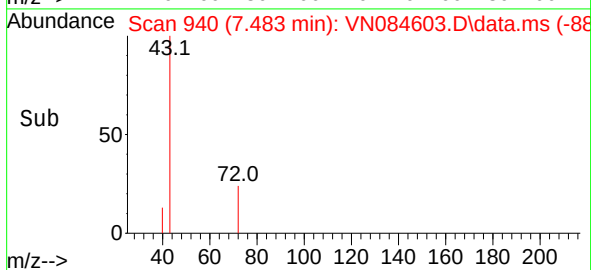
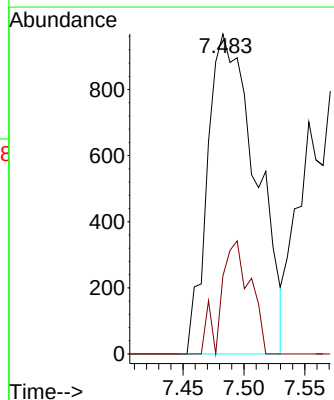
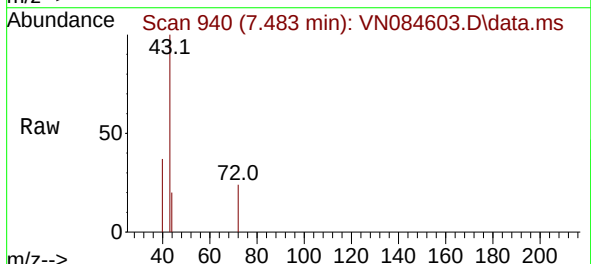
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

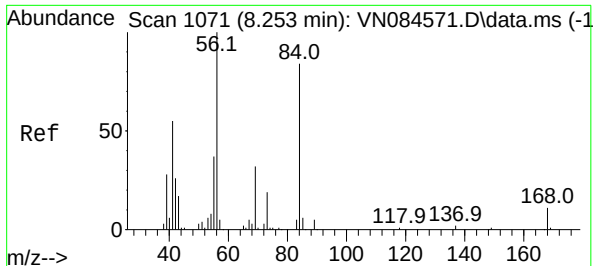
Tgt Ion:	84	Resp:	930
Ion	Ratio	Lower	Upper
84	100		
49	92.9	107.2	160.8#
51	50.1	31.8	47.8#
86	38.2	52.9	79.3#



#25
2-Butanone
Concen: 2.271 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

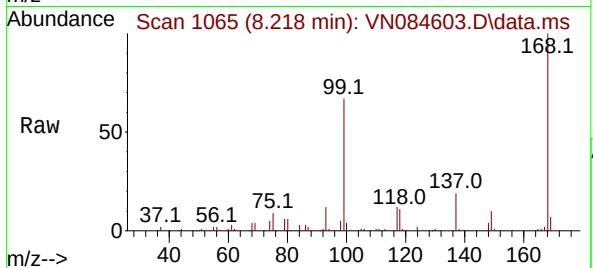
Tgt Ion:	43	Resp:	2681
Ion	Ratio	Lower	Upper
43	100		
72	24.4	21.4	32.2



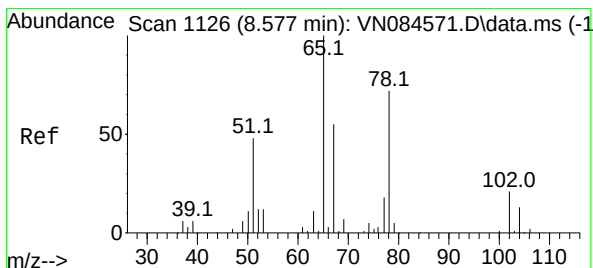
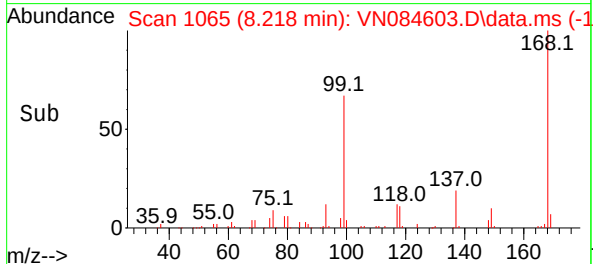
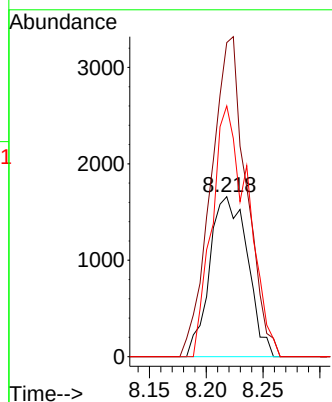


#31
Cyclohexane
Concen: 1.101 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

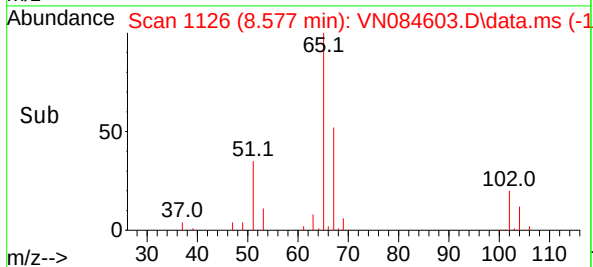
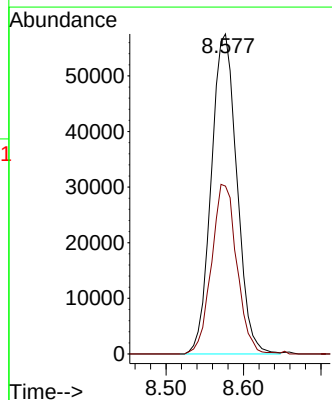
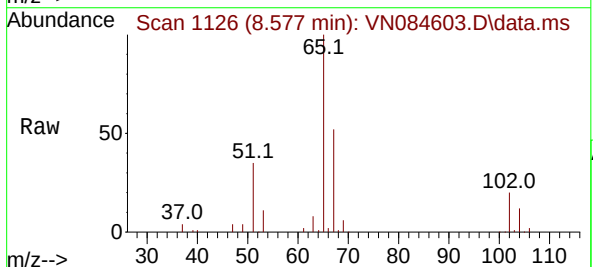


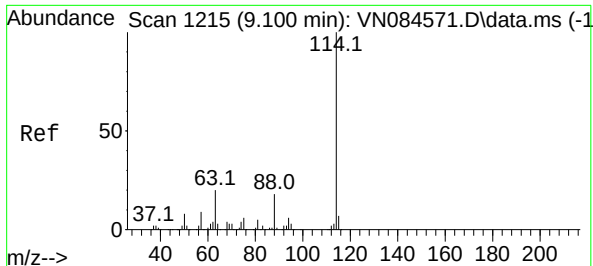
Tgt Ion: 56 Resp: 3846
Ion Ratio Lower Upper
56 100
69 196.2 23.8 35.6#
84 156.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.170 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion: 65 Resp: 132025
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.0

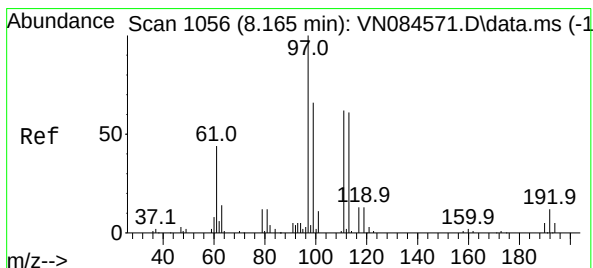
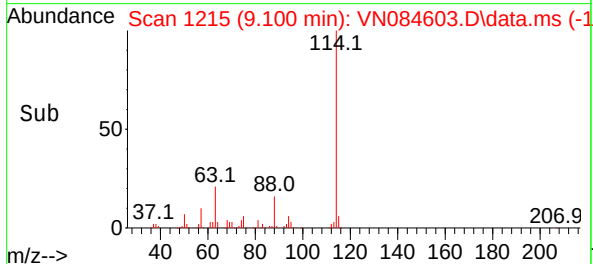
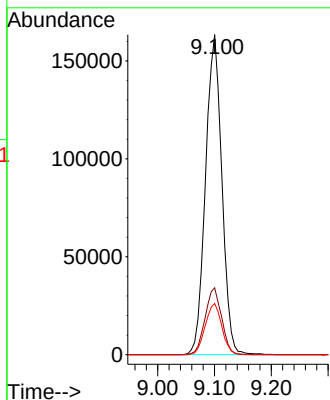
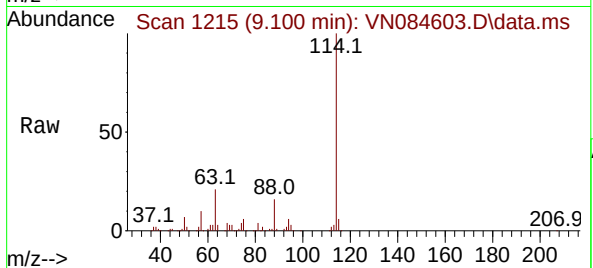




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

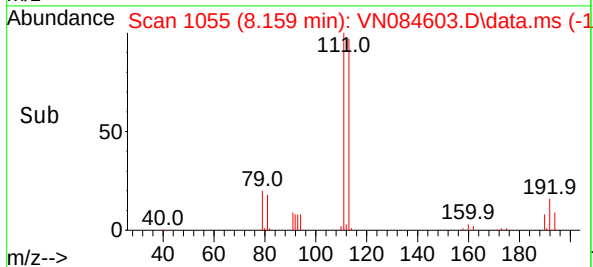
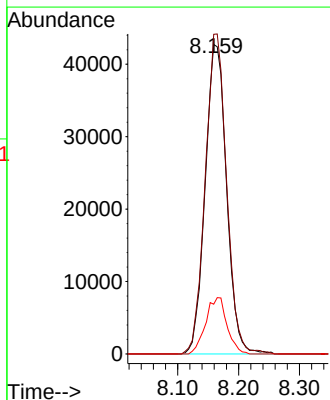
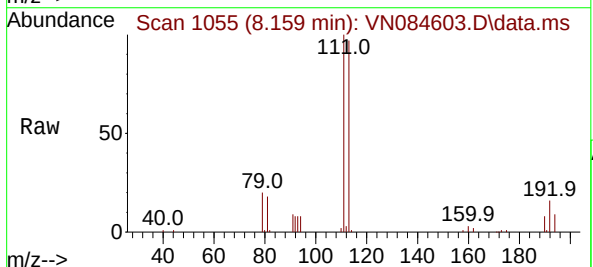
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

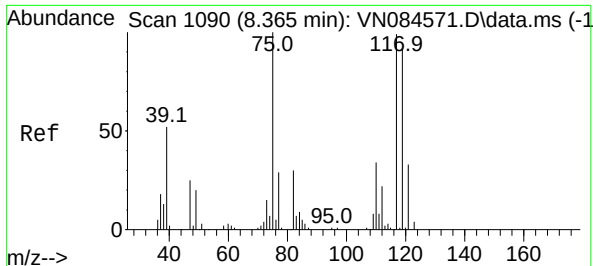
Tgt Ion:114 Resp: 325574
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.8
88 16.0 0.0 31.6



#35
Dibromofluoromethane
Concen: 47.259 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion:113 Resp: 104147
Ion Ratio Lower Upper
113 100
111 103.3 83.3 124.9
192 18.1 13.5 20.3

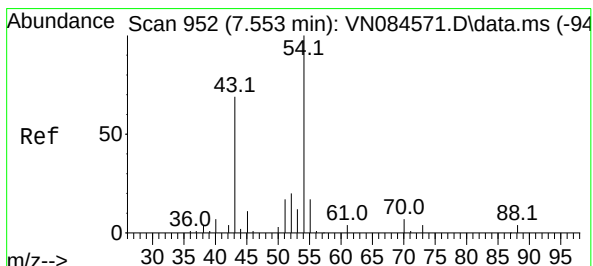
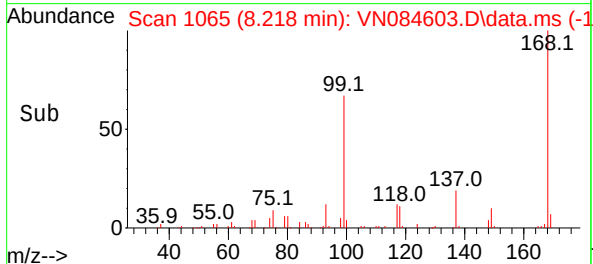
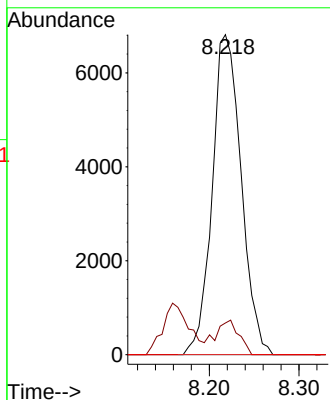
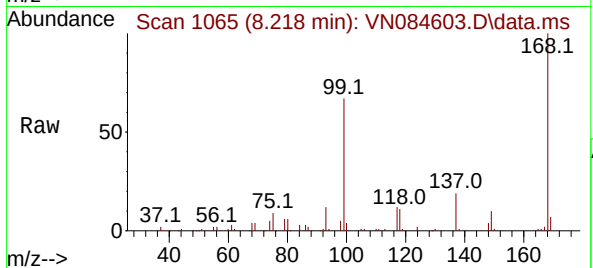




#36
1,1-Dichloropropene
Concen: 4.991 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

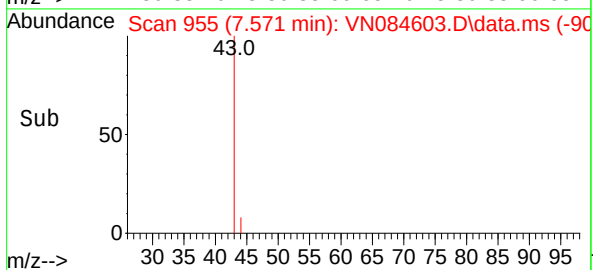
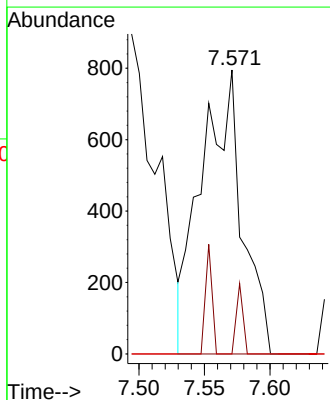
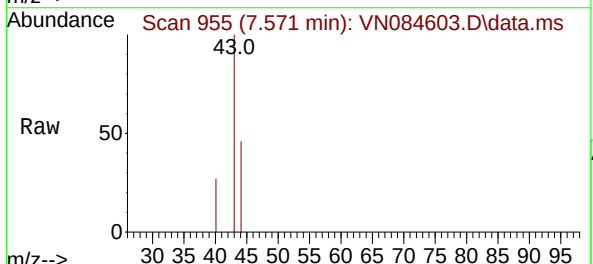
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

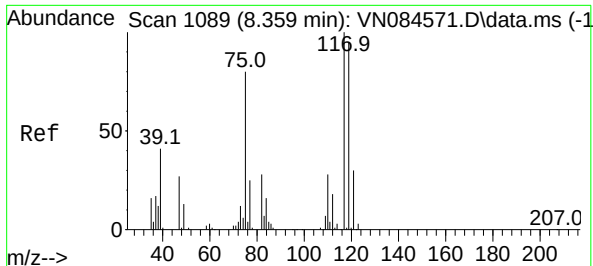
Tgt Ion: 75 Resp: 15254
Ion Ratio Lower Upper
75 100
110 8.8 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.620 ug/l
RT: 7.571 min Scan# 955
Delta R.T. 0.012 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion: 43 Resp: 1718
Ion Ratio Lower Upper
43 100
61 4.1 10.7 16.1#
70 0.0 8.8 13.2#

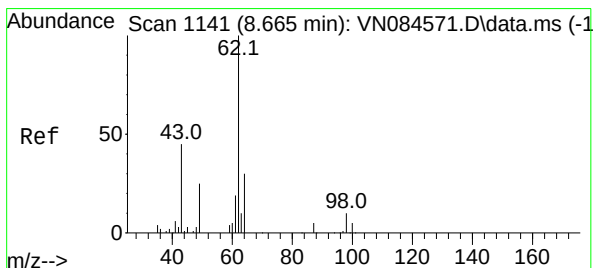
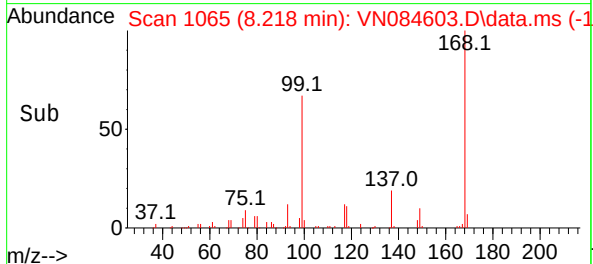
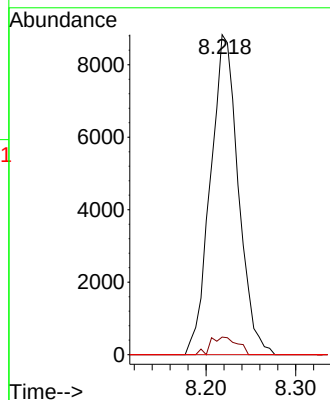
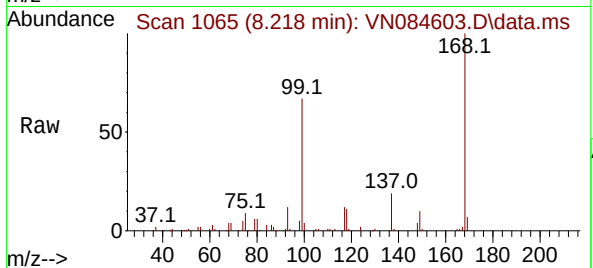




#38
Carbon Tetrachloride
Concen: 5.582 ug/l
RT: 8.218 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

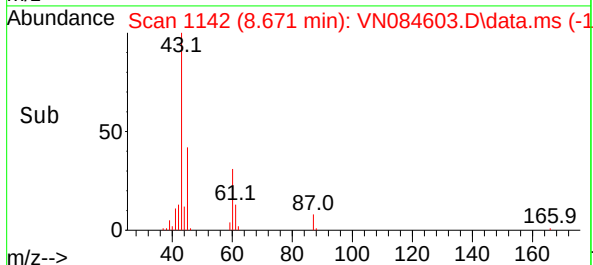
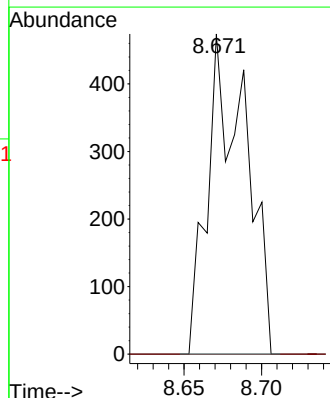
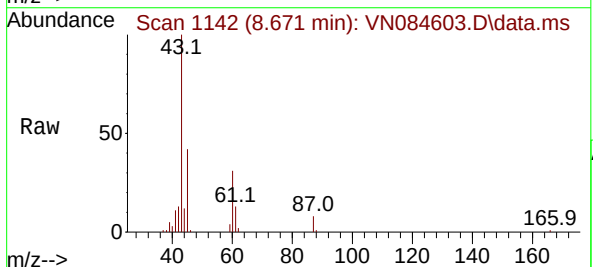
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

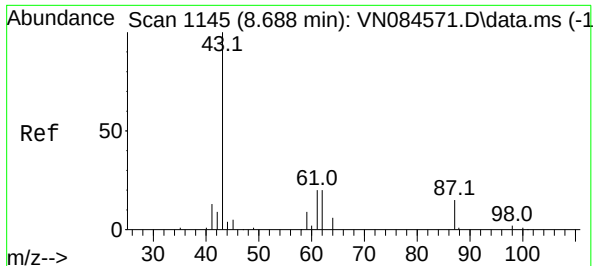
Tgt Ion:117 Resp: 19070
Ion Ratio Lower Upper
117 100
119 5.5 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.255 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.000 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion: 62 Resp: 812
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2





#43

Isopropyl Acetate

Concen: 32.750 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084603.D

Acq: 31 Oct 2024 06:09

Instrument :

MSVOA_N

ClientSampleId :

ARS20-0001

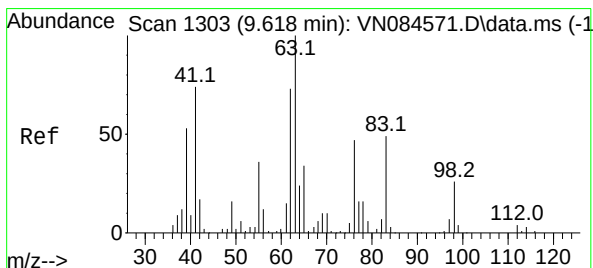
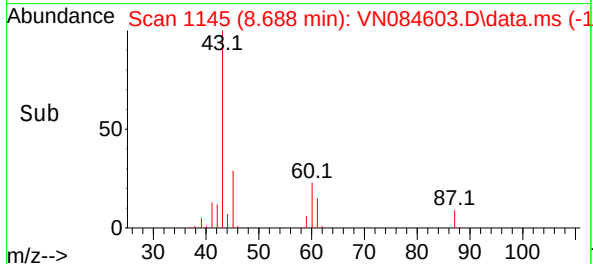
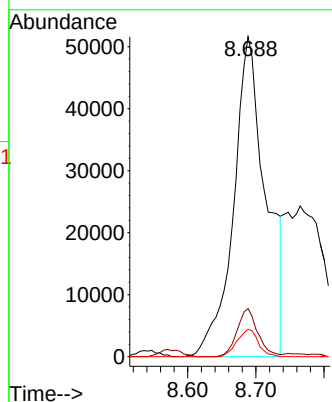
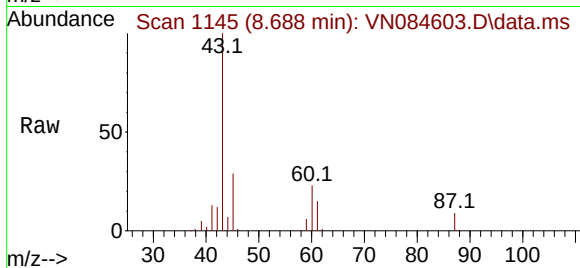
Tgt Ion: 43 Resp: 169480

Ion Ratio Lower Upper

43 100

61 9.7 20.4 30.6#

87 5.6 10.3 15.5#



#45

1,2-Dichloropropane

Concen: 0.200 ug/l

RT: 9.735 min Scan# 1323

Delta R.T. 0.117 min

Lab File: VN084603.D

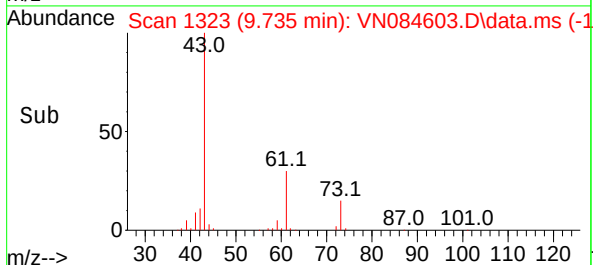
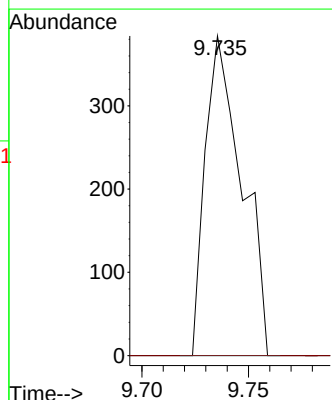
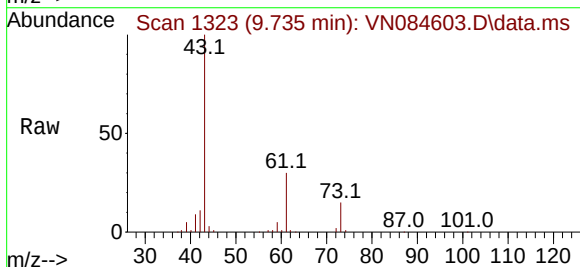
Acq: 31 Oct 2024 06:09

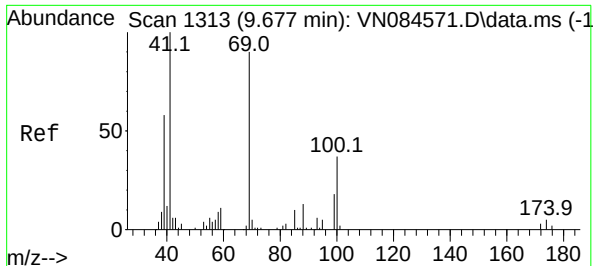
Tgt Ion: 63 Resp: 461

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.160 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084603.D

Acq: 31 Oct 2024 06:09

Instrument :

MSVOA_N

ClientSampleId :

ARS20-0001

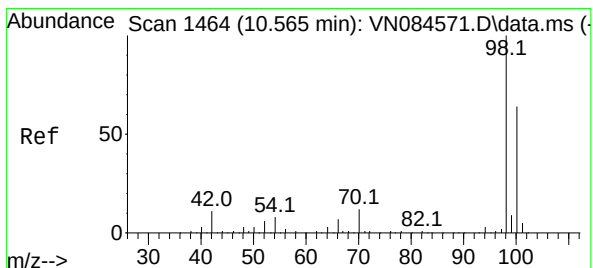
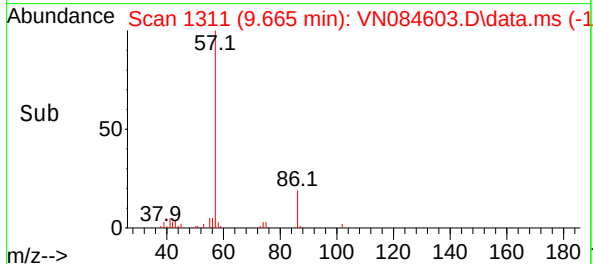
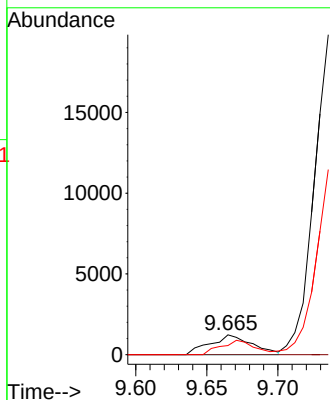
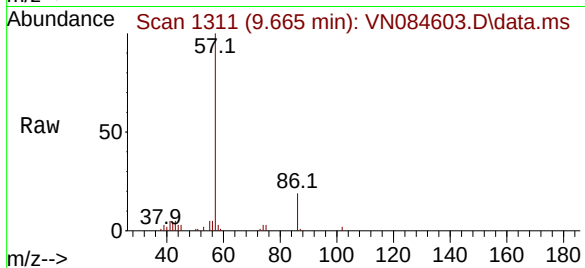
Tgt Ion: 41 Resp: 2504

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 57.7 45.8 68.6



#50

Toluene-d8

Concen: 47.774 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084603.D

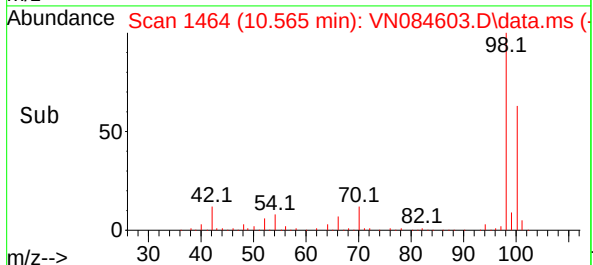
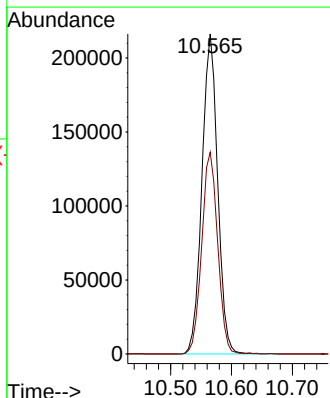
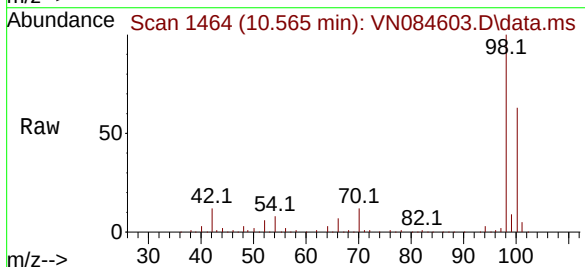
Acq: 31 Oct 2024 06:09

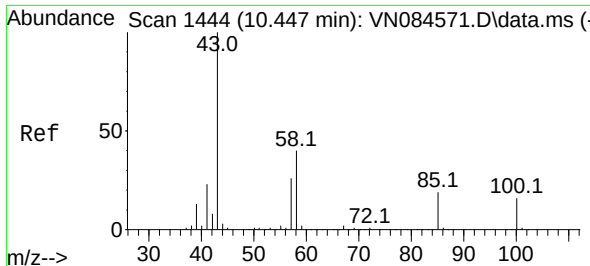
Tgt Ion: 98 Resp: 387824

Ion Ratio Lower Upper

98 100

100 64.0 52.7 79.1

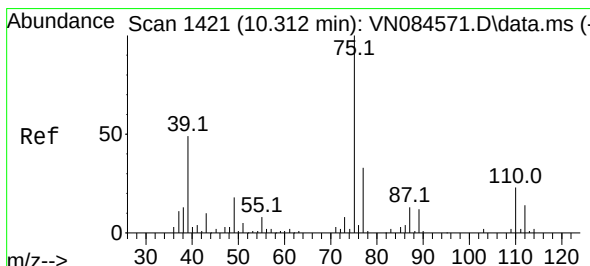
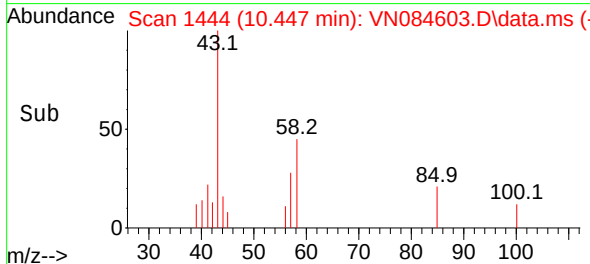
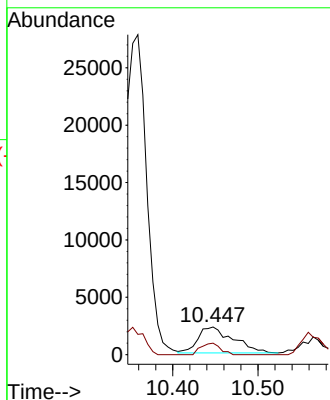
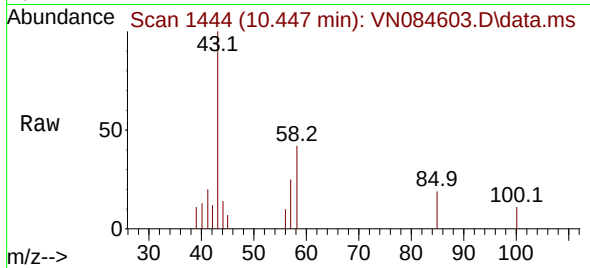




#51
4-Methyl-2-Pentanone
Concen: 2.462 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

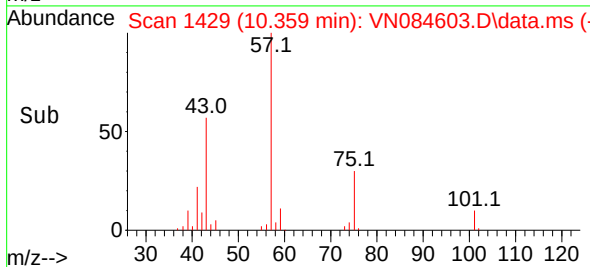
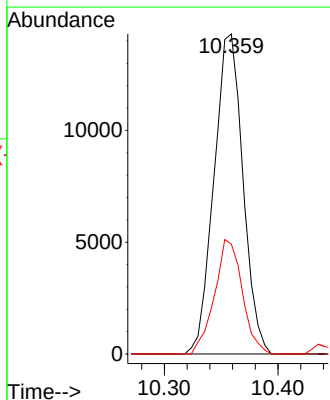
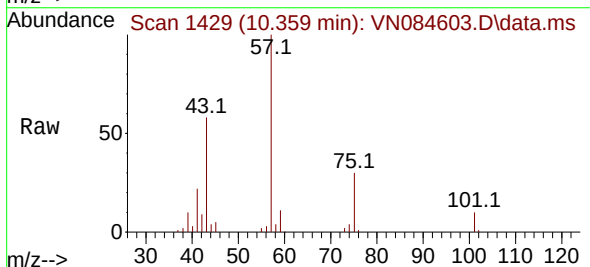
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

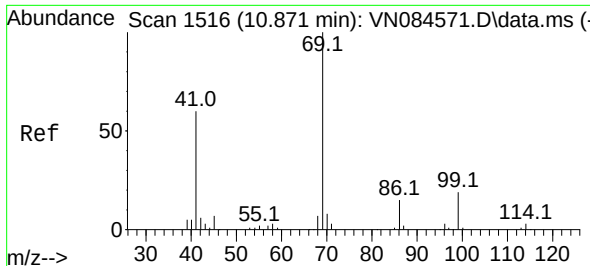
Tgt Ion: 43 Resp: 6509
Ion Ratio Lower Upper
43 100
58 24.4 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 6.760 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion: 75 Resp: 25362
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 34.4 38.7 58.1#

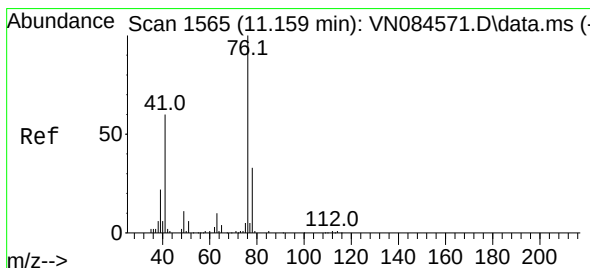
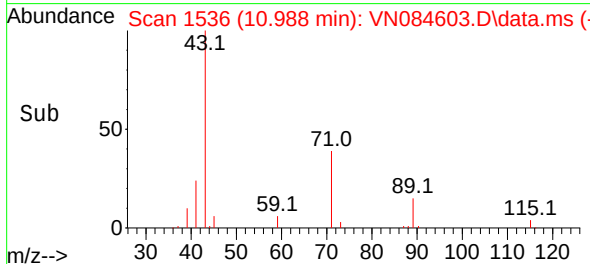
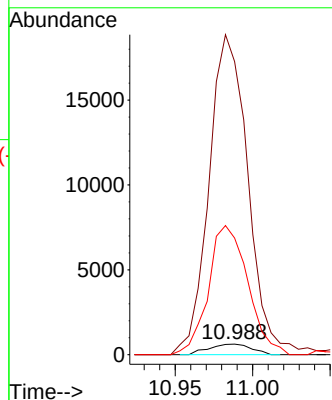
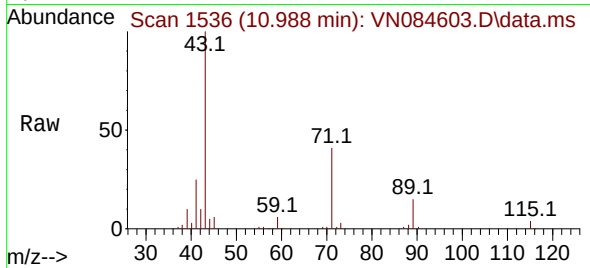




#56
Ethyl methacrylate
Concen: 0.378 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

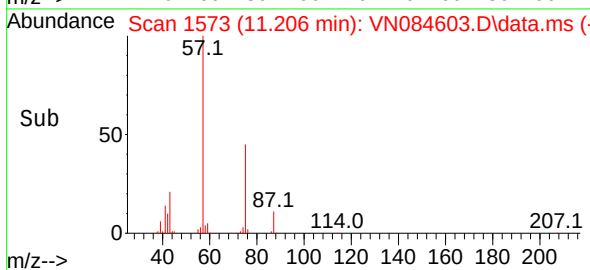
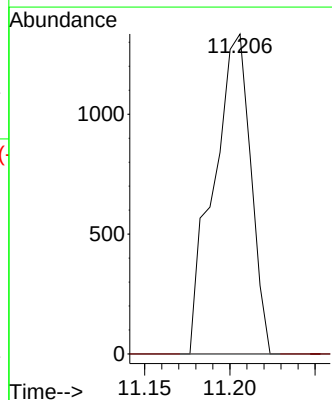
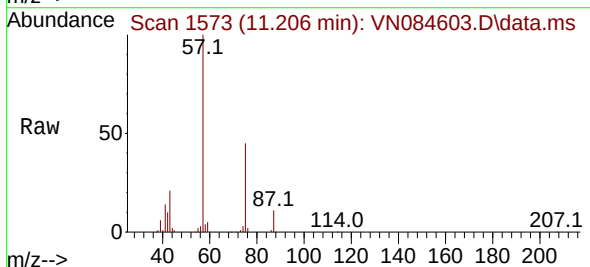
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

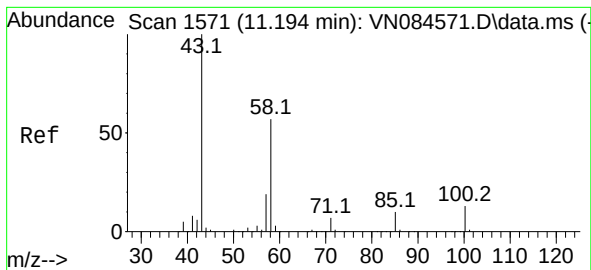
Tgt Ion: 69 Resp: 1183
Ion Ratio Lower Upper
69 100
41 2799.5 53.3 79.9#
39 1138.0 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 0.546 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion: 76 Resp: 2026
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

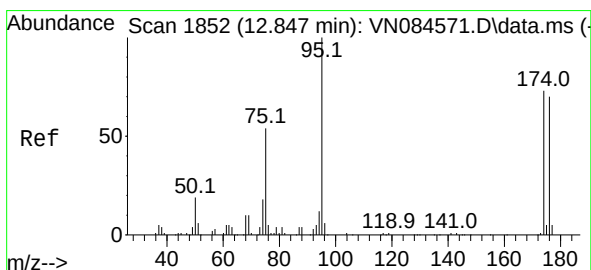
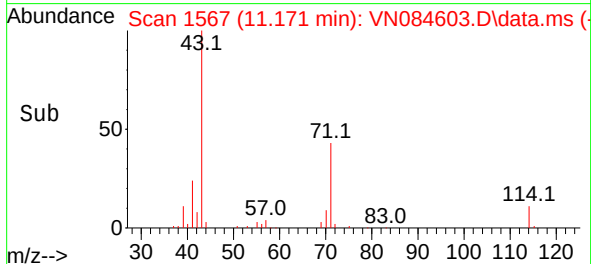
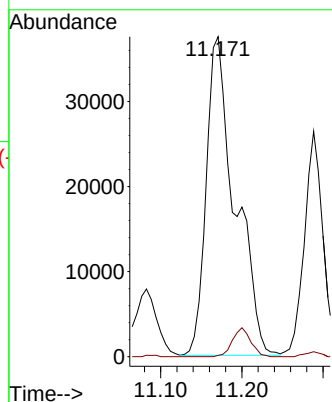
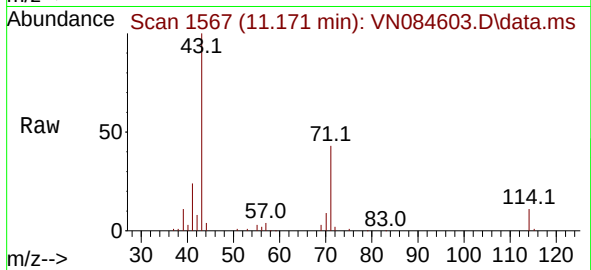




#59
2-Hexanone
Concen: 48.082 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.023 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

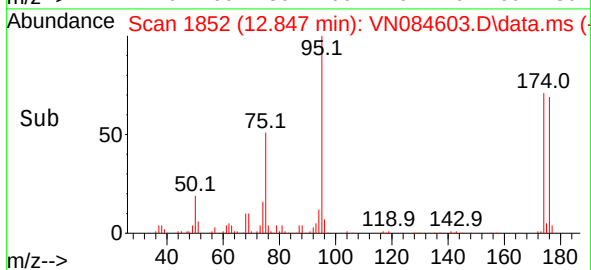
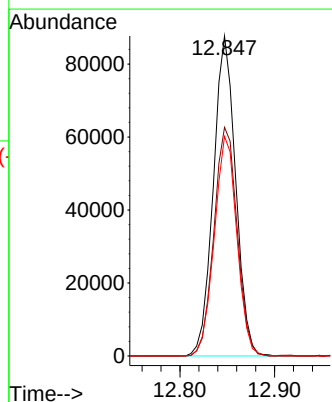
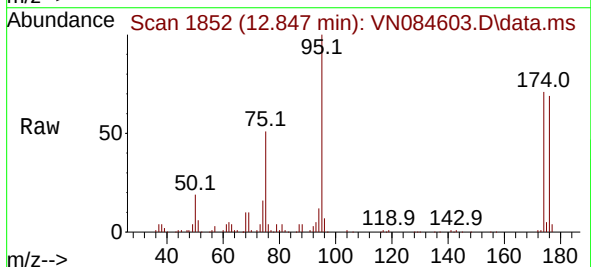
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

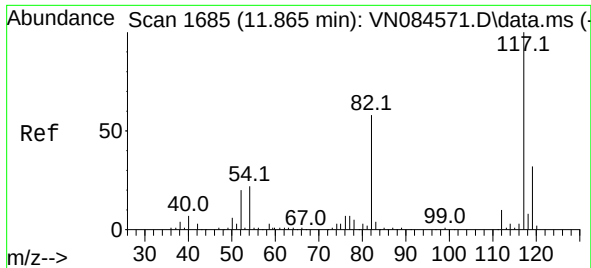
Tgt Ion: 43 Resp: 92517
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 47.195 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion: 95 Resp: 143186
Ion Ratio Lower Upper
95 100
174 74.5 0.0 145.2
176 69.6 0.0 140.0

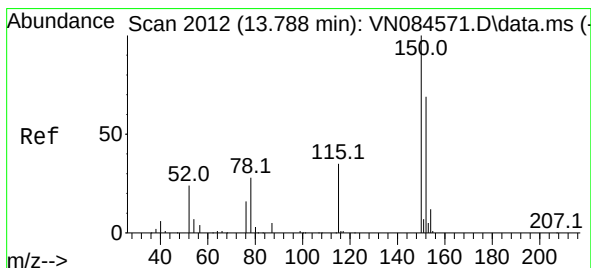
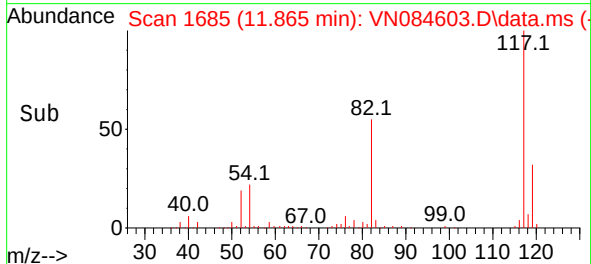
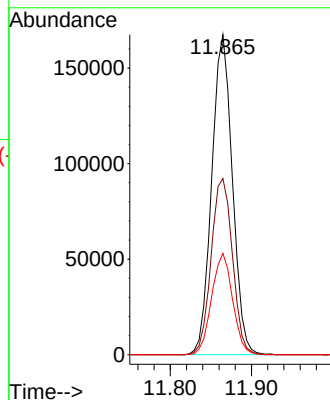
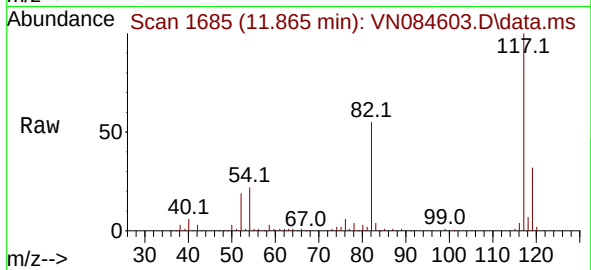




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

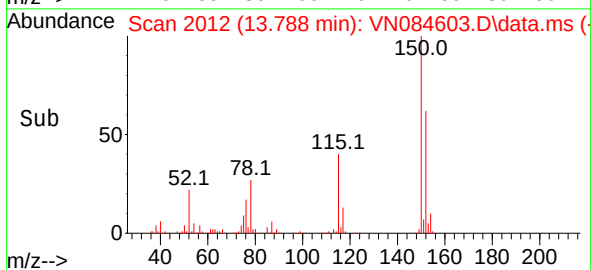
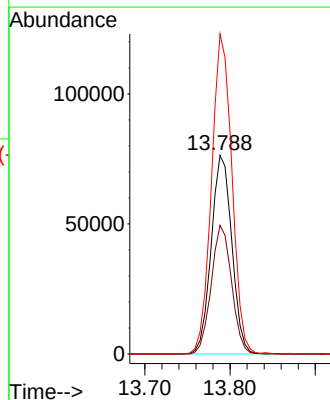
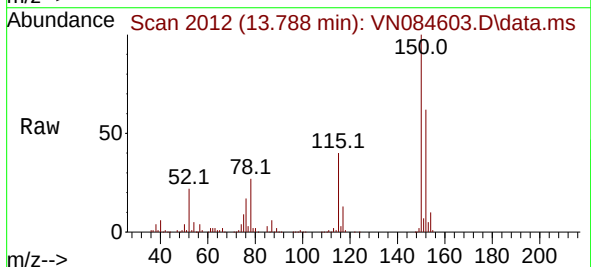
Instrument :
MSVOA_N
ClientSampleId :
ARS20-0001

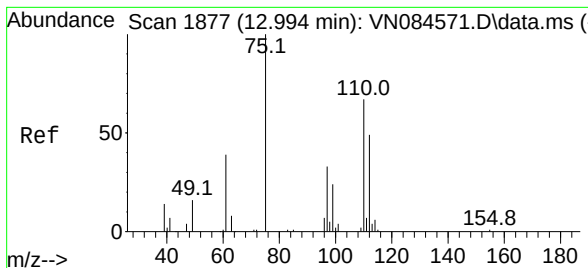
Tgt Ion:117 Resp: 295946
Ion Ratio Lower Upper
117 100
82 55.0 47.2 70.8
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084603.D
Acq: 31 Oct 2024 06:09

Tgt Ion:152 Resp: 128254
Ion Ratio Lower Upper
152 100
115 63.9 31.3 93.9
150 159.5 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 28.609 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084603.D

Acq: 31 Oct 2024 06:09

Instrument :

MSVOA_N

ClientSampleId :

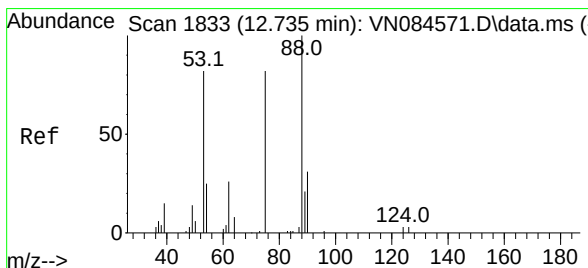
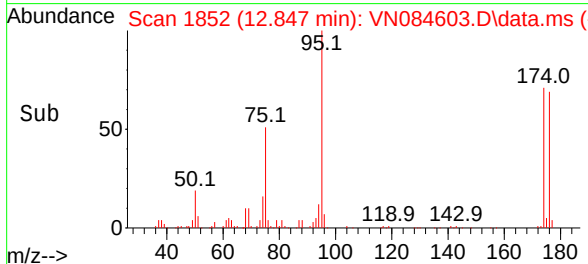
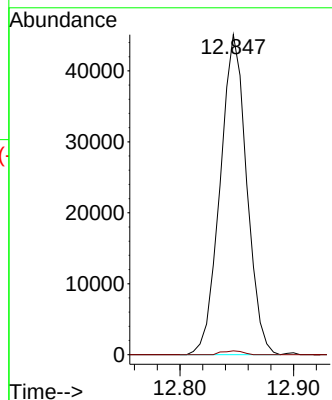
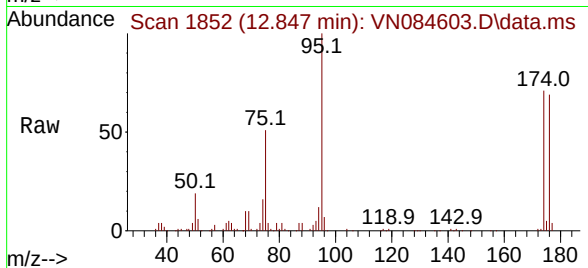
ARS20-0001

Tgt Ion: 75 Resp: 73347

Ion Ratio Lower Upper

75 100

77 0.9 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.873 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084603.D

Acq: 31 Oct 2024 06:09

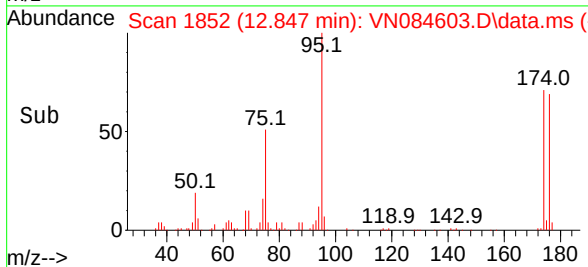
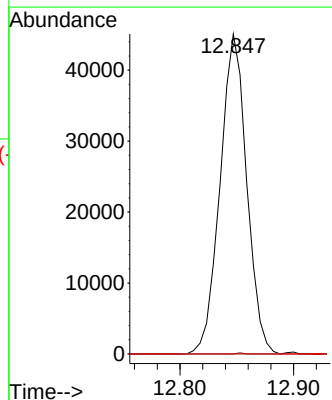
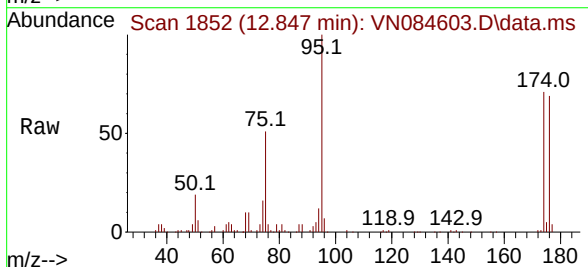
Tgt Ion: 75 Resp: 73347

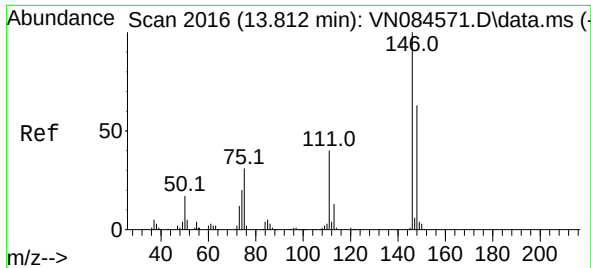
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN084603.D

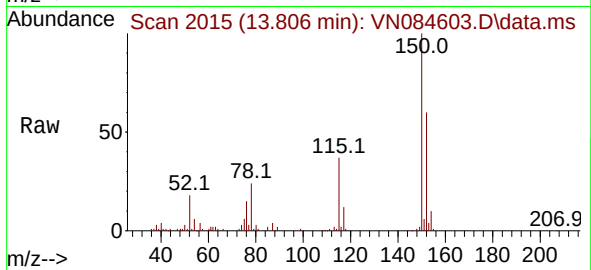
Acq: 31 Oct 2024 06:09

Instrument :

MSVOA_N

ClientSampleId :

ARS20-0001



Tgt Ion:146	Resp:	72
Ion Ratio	Lower	Upper
146	100	
111	2575.0	21.2 63.6#
148	0.0	31.9 95.9#

