

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102422\
 Data File : VN074995.D
 Acq On : 24 Oct 2022 19:50
 Operator : JC\MD
 Sample : N5249-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 06:52:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

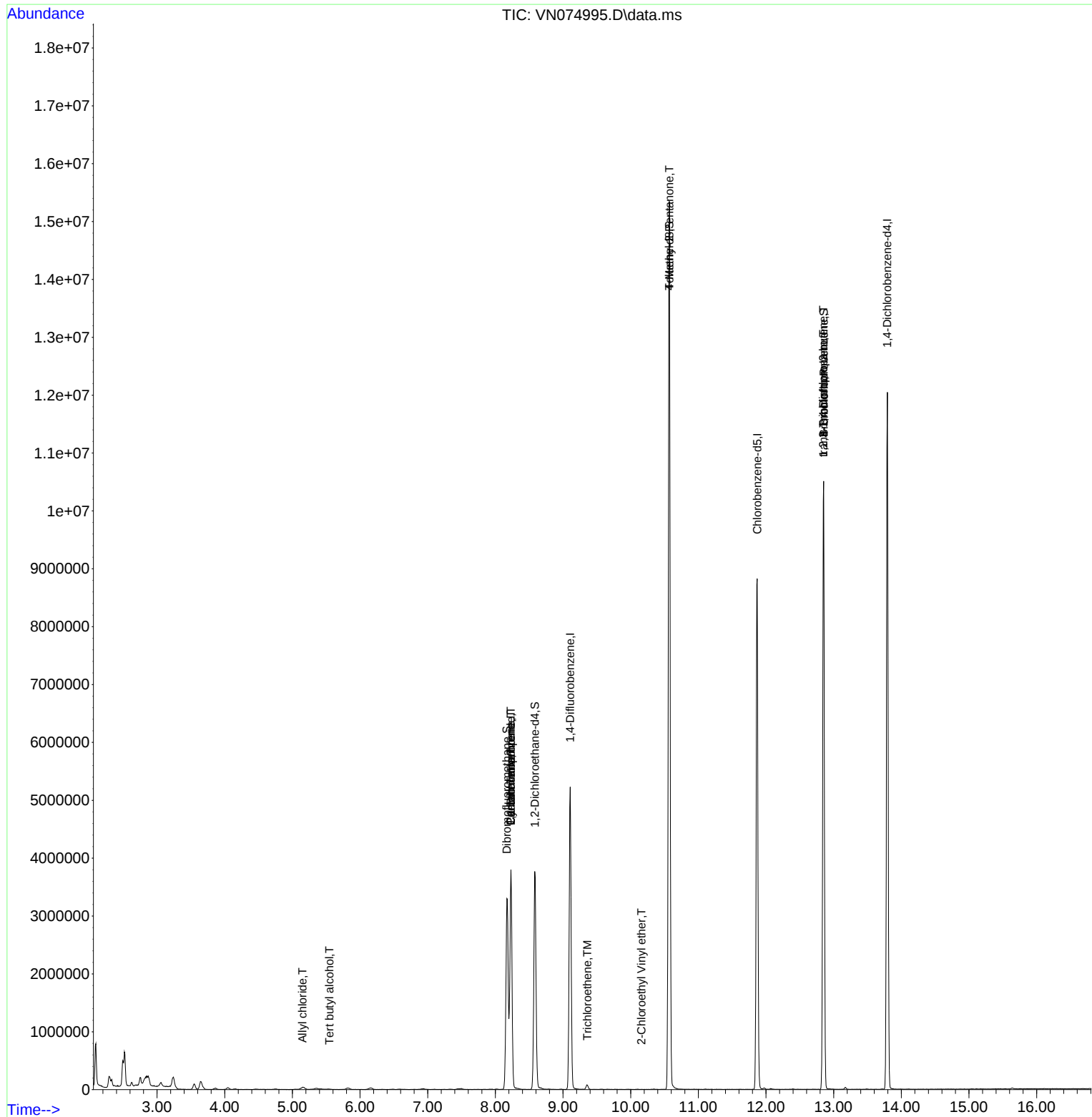
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	2568954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	4487439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	4977463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	3112916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	3037822	44.507	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.020%
35) Dibromofluoromethane	8.171	113	2338080	43.774	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.540%
50) Toluene-d8	10.570	98	10540440	51.435	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.860%
62) 4-Bromofluorobenzene	12.853	95	3551918	49.137	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	3268	Below Cal		98
4) Vinyl Chloride	2.512	62	520	Below Cal	#	56
5) Bromomethane	2.942	94	3646	Below Cal		100
6) Chloroethane	3.106	64	2002	Below Cal	#	40
7) Trichlorofluoromethane	3.236	101	221	Below Cal	#	38
11) Tert butyl alcohol	5.547	59	6423	0.445 ug/l	#	94
12) 1,1-Dichloroethene	4.336	96	181	Below Cal	#	8
13) Acrolein	4.212	56	183	Below Cal	#	16
14) Allyl chloride	5.147	41	18653	0.298 ug/l	#	63
16) Acetone	4.453	43	11026	Below Cal	#	77
17) Carbon Disulfide	4.712	76	1317	Below Cal	#	20
20) Methylene Chloride	5.277	84	521	Below Cal	#	56
21) trans-1,2-Dichloroethene	5.806	96	402	Below Cal	#	1
31) Cyclohexane	8.229	56	67268	0.965 ug/l	#	35
36) 1,1-Dichloropropene	8.229	75	229653	3.414 ug/l	#	48
38) Carbon Tetrachloride	8.229	117	284160	3.881 ug/l	#	16
44) Trichloroethene	9.359	130	26802	0.527 ug/l		97
51) 4-Methyl-2-Pentanone	10.570	43	41759	0.513 ug/l	#	1
58) 2-Chloroethyl Vinyl ether	10.159	63	85	3.611 ug/l	#	45
71) Bromoform	12.853	173	29476	0.688 ug/l	#	1
76) 1,2,3-Trichloropropane	12.847	75	1954708	23.155 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	1954708	74.239 ug/l	#	10

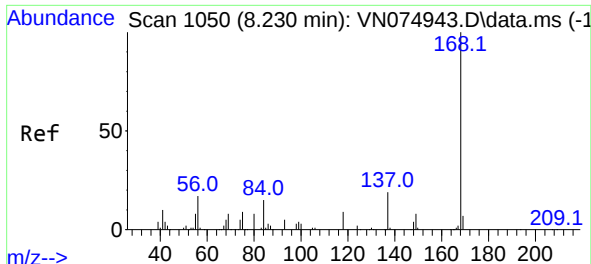
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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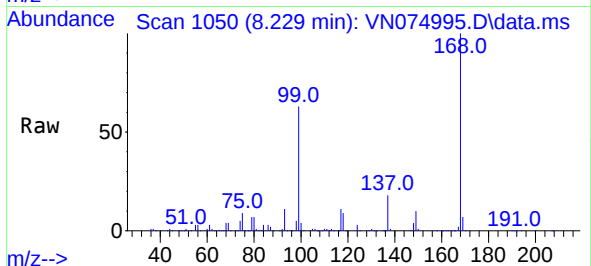
Quant Time: Oct 25 06:52:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 21 09:37:47 2022
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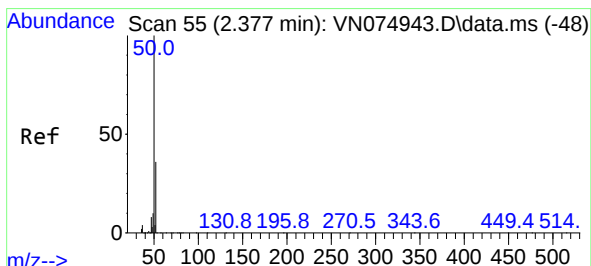
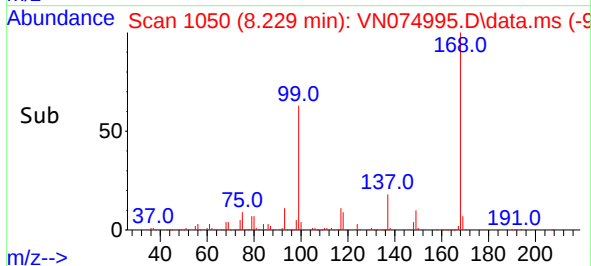
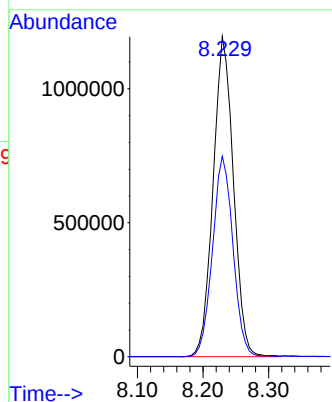


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Instrument :
MSVOA_N
ClientSampleId :

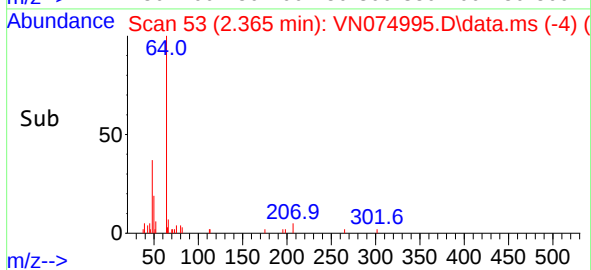
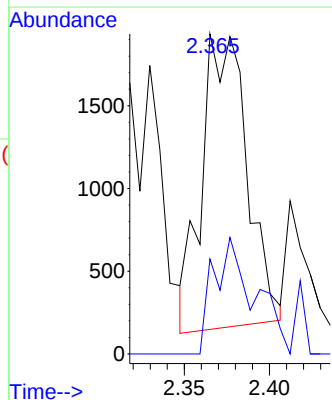
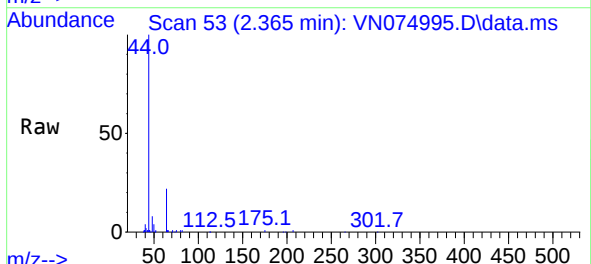


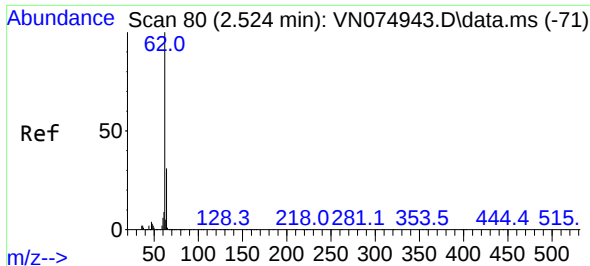
Tgt Ion:168 Resp: 2568954
Ion Ratio Lower Upper
168 100
99 62.6 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 53
Delta R.T. -0.012 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 50 Resp: 3268
Ion Ratio Lower Upper
50 100
52 34.9 28.8 43.2

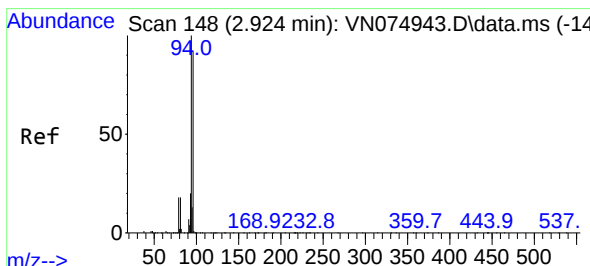
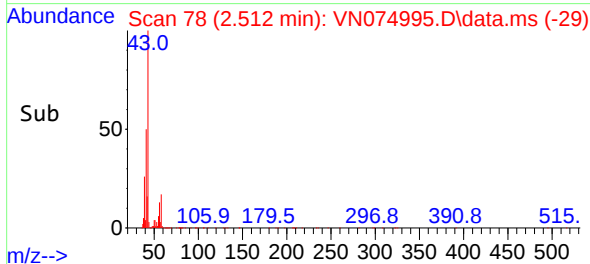
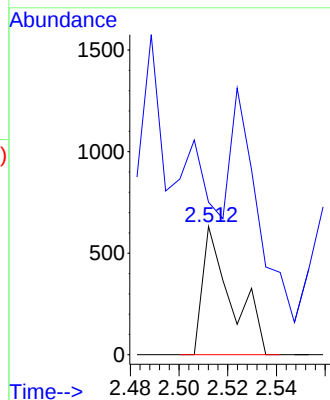
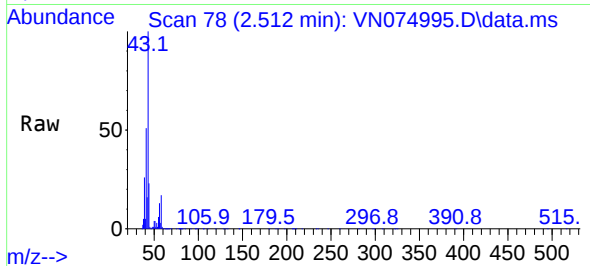




#4
Vinyl Chloride
Concen: Below Cal
RT: 2.512 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

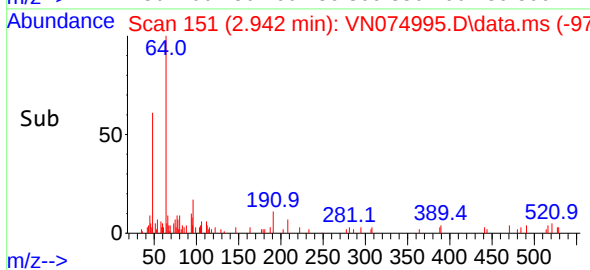
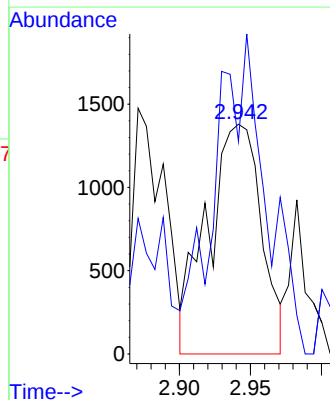
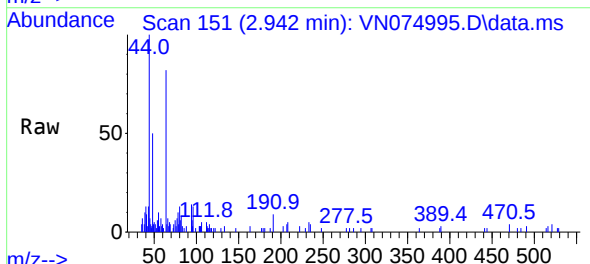
Instrument :
MSVOA_N
ClientSampleId :

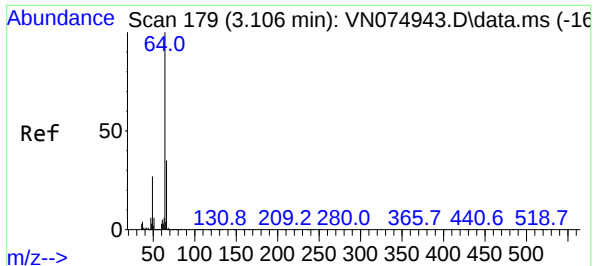
Tgt Ion: 62 Resp: 520
Ion Ratio Lower Upper
62 100
64 54.7 24.5 36.7#



#5
Bromomethane
Concen: Below Cal
RT: 2.942 min Scan# 151
Delta R.T. 0.018 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 94 Resp: 3646
Ion Ratio Lower Upper
94 100
96 91.5 73.5 110.3

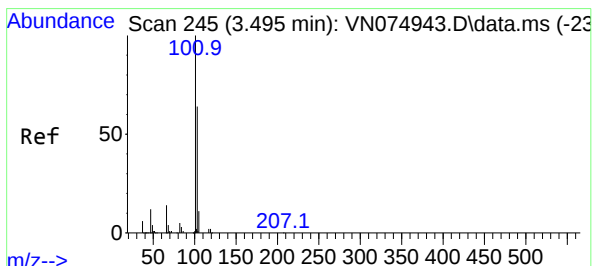
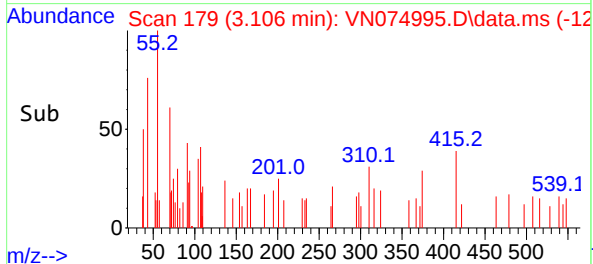
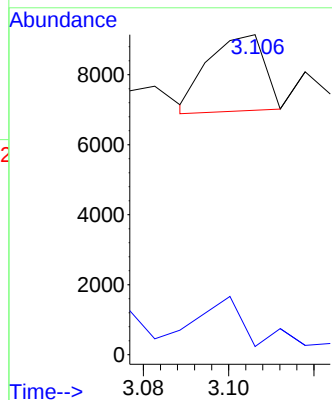
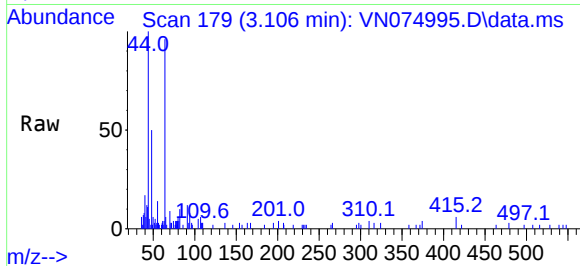




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

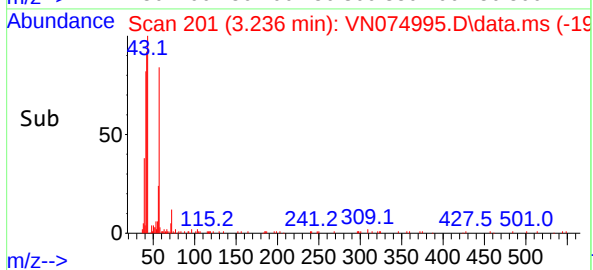
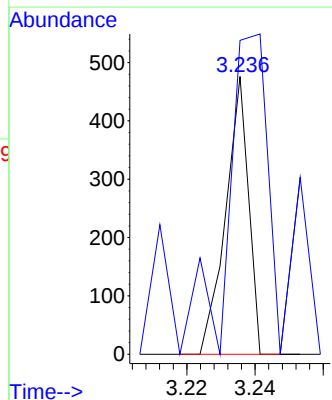
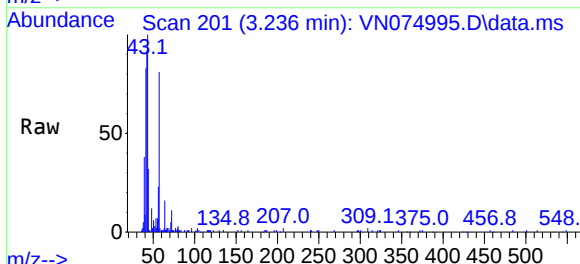
Instrument :
MSVOA_N
ClientSampleId :

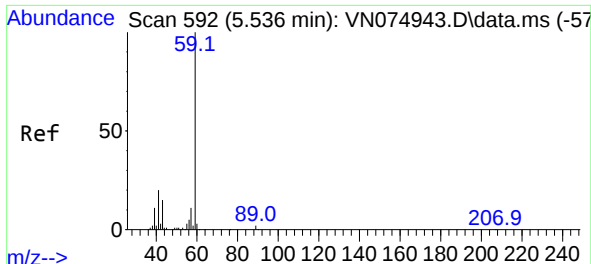
Tgt Ion: 64 Resp: 2002
Ion Ratio Lower Upper
64 100
66 0.0 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.236 min Scan# 201
Delta R.T. -0.259 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 101 Resp: 221
Ion Ratio Lower Upper
101 100
103 113.0 51.5 77.3#

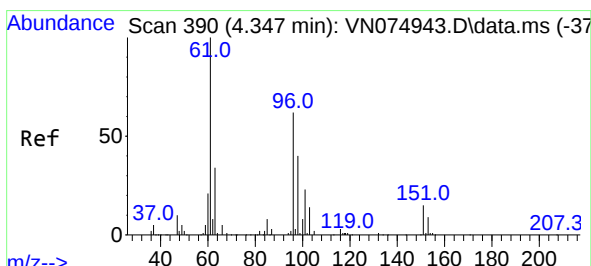
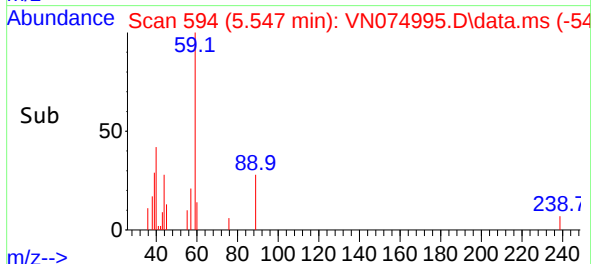
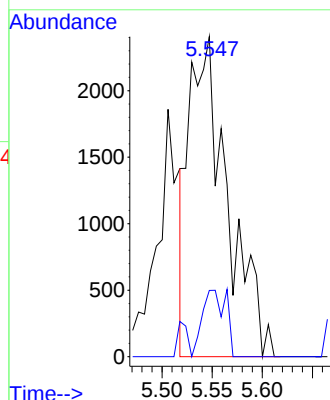
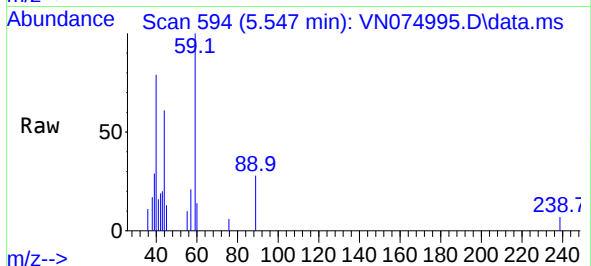




#11
Tert butyl alcohol
Concen: 0.445 ug/l
RT: 5.547 min Scan# 591
Delta R.T. 0.012 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

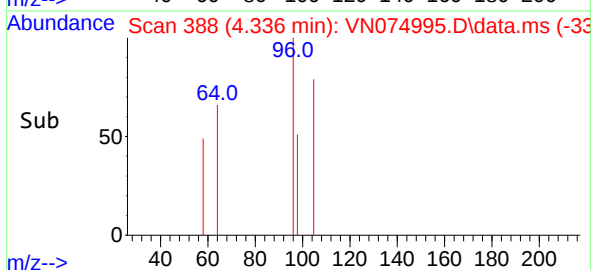
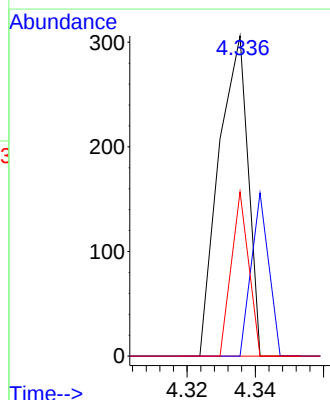
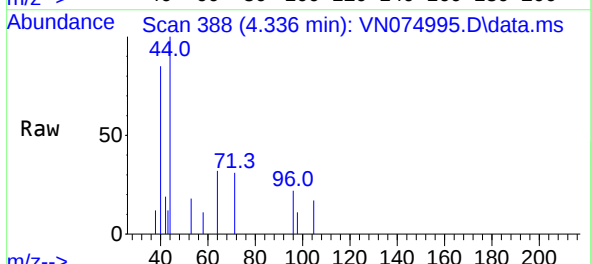
Instrument :
MSVOA_N
ClientSampleId :

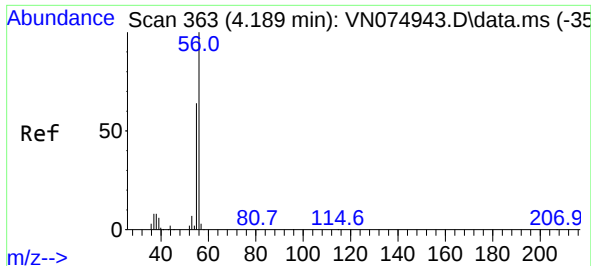
Tgt Ion: 59 Resp: 6423
Ion Ratio Lower Upper
59 100
57 12.7 8.2 12.4#



#12
1,1-Dichloroethene
Concen: Below Cal
RT: 4.336 min Scan# 388
Delta R.T. -0.011 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 96 Resp: 181
Ion Ratio Lower Upper
96 100
61 0.0 128.9 193.3#
98 51.3 51.8 77.8#

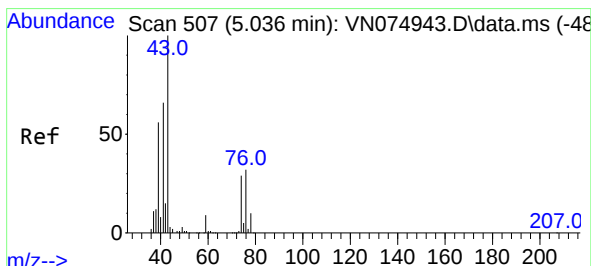
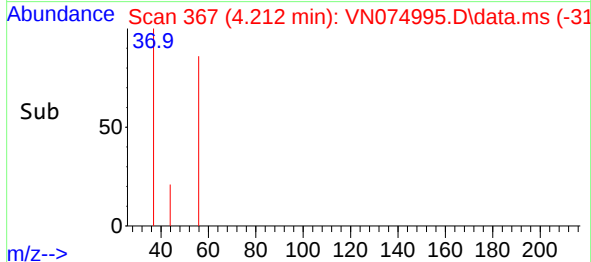
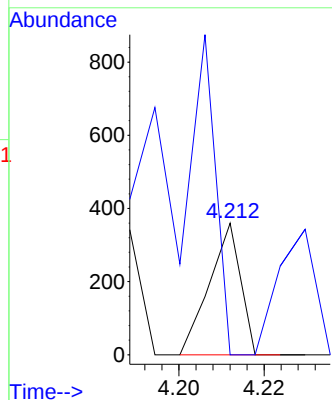
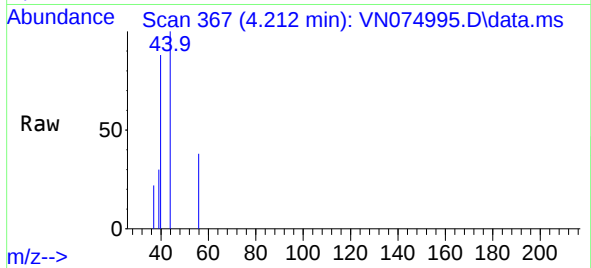




#13
Acrolein
Concen: Below Cal
RT: 4.212 min Scan# 30
Delta R.T. 0.023 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

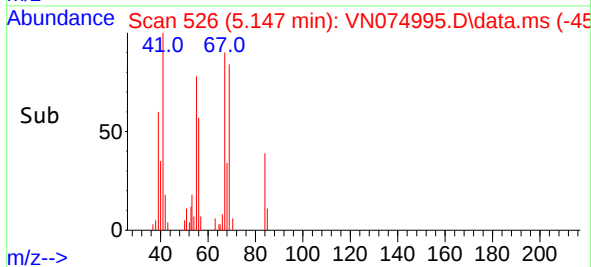
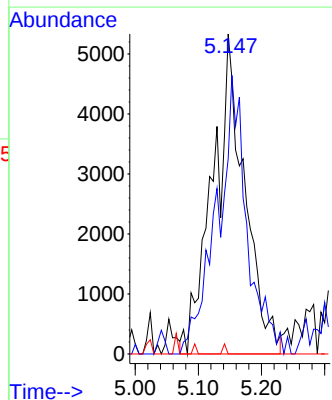
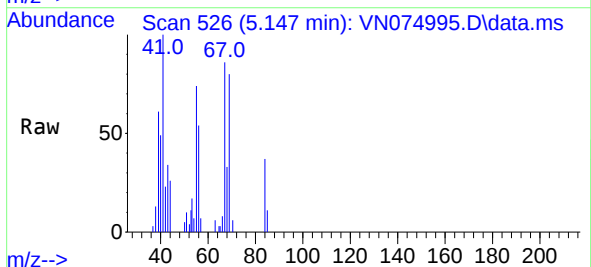
Instrument :
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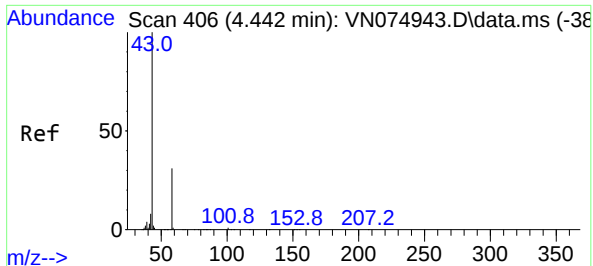
Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 0.0 53.7 80.5#



#14
Allyl chloride
Concen: 0.298 ug/l
RT: 5.147 min Scan# 526
Delta R.T. 0.112 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 41 Resp: 18653
Ion Ratio Lower Upper
41 100
39 57.2 60.0 90.0#
76 0.3 33.7 50.5#

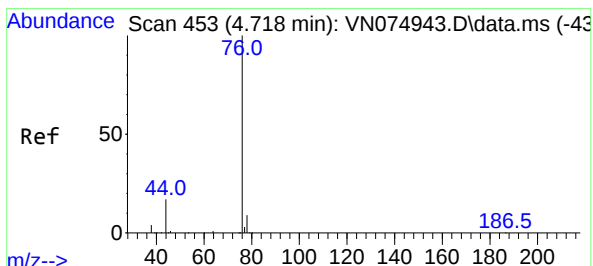
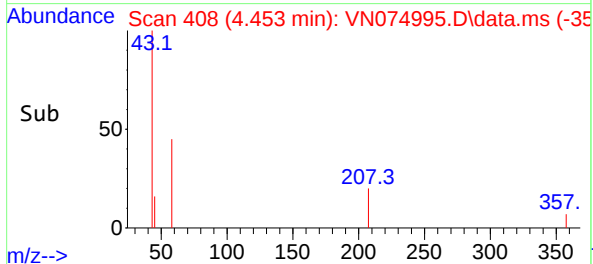
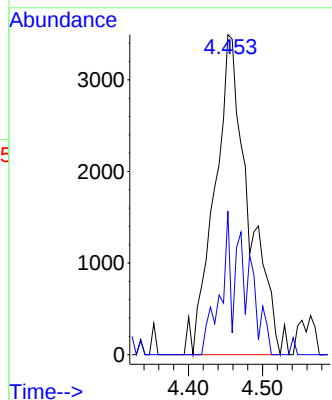
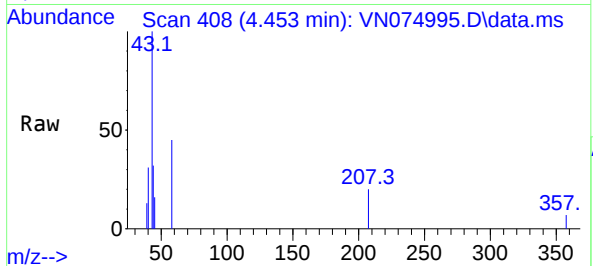




#16
Acetone
Concen: Below Cal
RT: 4.453 min Scan# 406
Delta R.T. 0.011 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

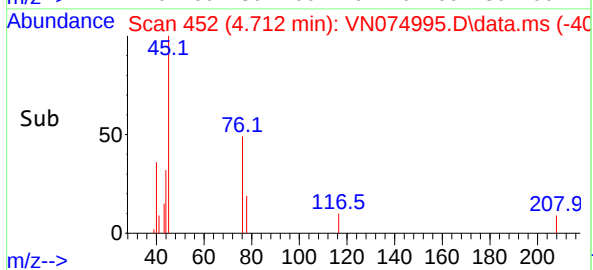
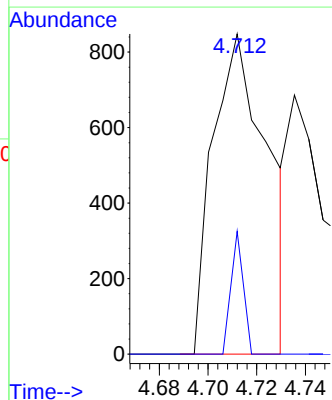
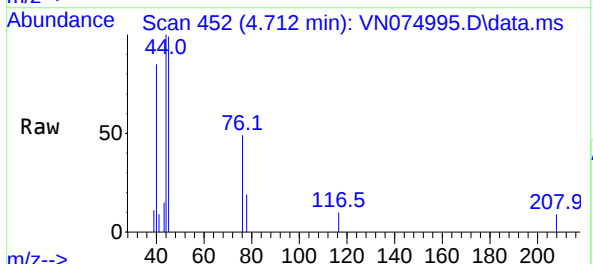
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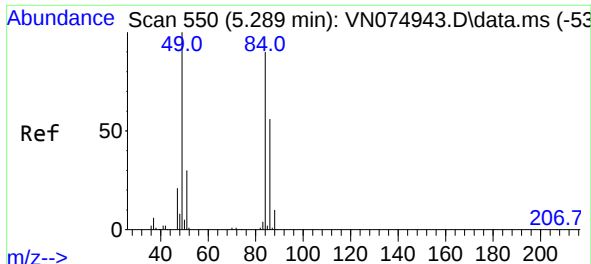
Tgt Ion: 43 Resp: 11026
Ion Ratio Lower Upper
43 100
58 44.9 25.7 38.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.712 min Scan# 452
Delta R.T. -0.006 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

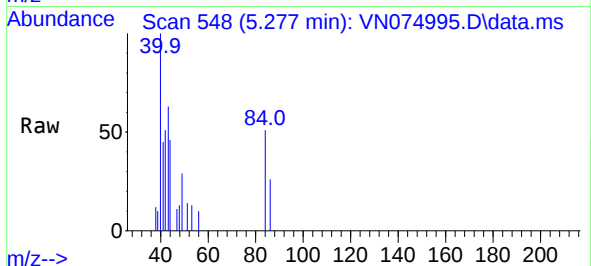
Tgt Ion: 76 Resp: 1317
Ion Ratio Lower Upper
76 100
78 38.3 7.4 11.2#



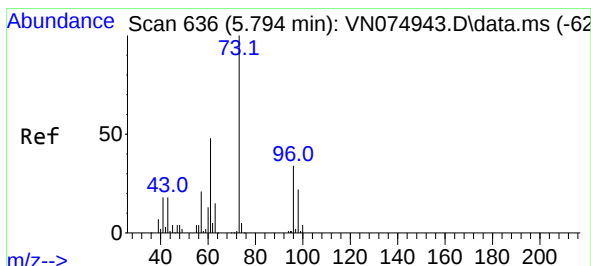
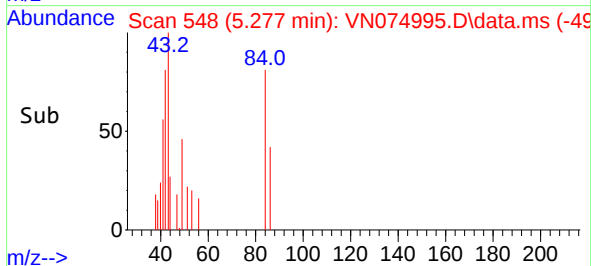
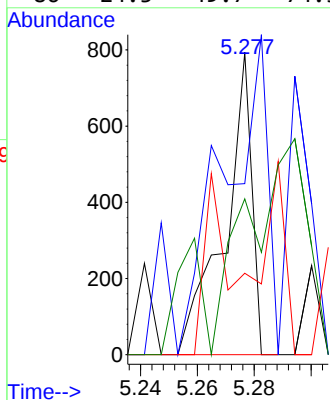


#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 54
Delta R.T. -0.012 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Instrument :
MSVOA_N
ClientSampleId :

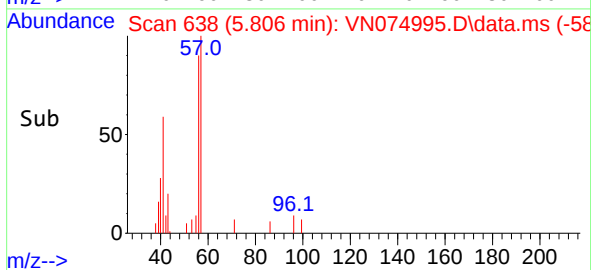
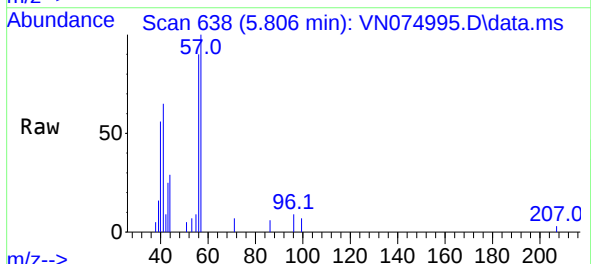
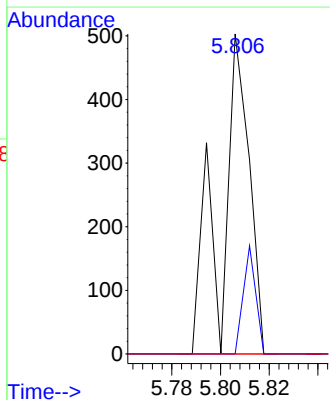


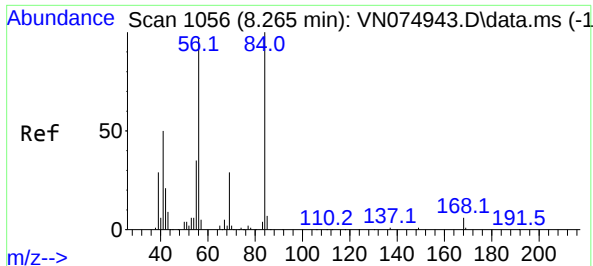
Tgt Ion: 84 Resp: 521
Ion Ratio Lower Upper
84 100
49 56.5 88.6 133.0#
51 27.0 26.7 40.1
86 24.3 49.7 74.5#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.806 min Scan# 638
Delta R.T. 0.012 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 96 Resp: 402
Ion Ratio Lower Upper
96 100
61 0.0 112.6 169.0#
98 0.0 52.4 78.6#





#31

Cyclohexane

Concen: 0.965 ug/l

RT: 8.229 min Scan# 1050

Delta R.T. -0.035 min

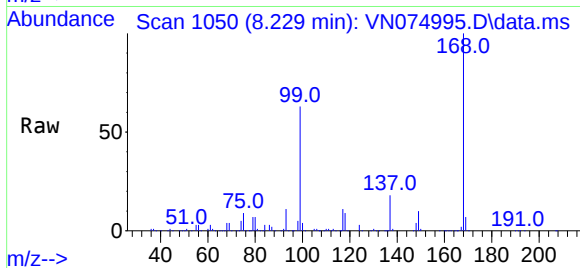
Lab File: VN074995.D

Acq: 24 Oct 2022 19:50

Instrument :

MSVOA_N

ClientSampleId :



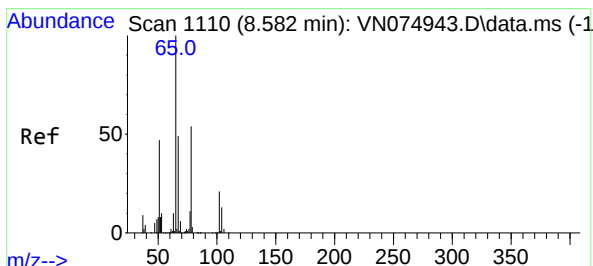
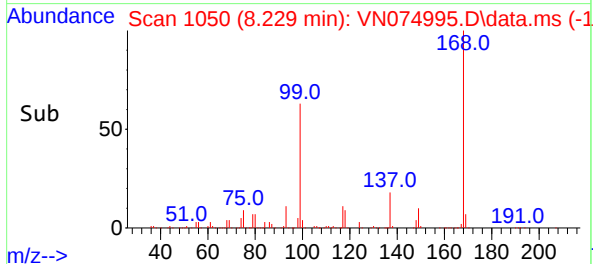
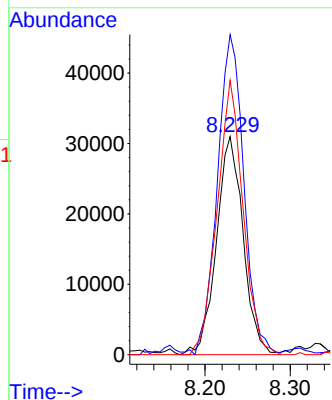
Tgt Ion: 56 Resp: 67268

Ion Ratio Lower Upper

56 100

69 145.7 24.2 36.2#

84 125.7 82.8 124.2#



#33

1,2-Dichloroethane-d4

Concen: 44.507 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN074995.D

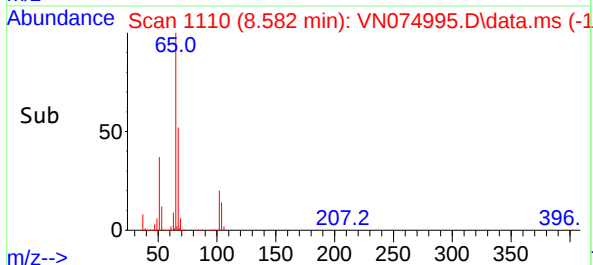
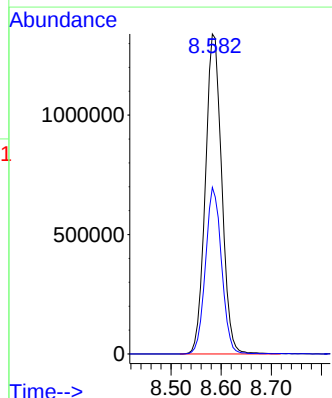
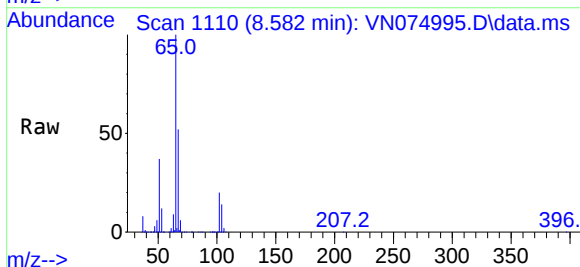
Acq: 24 Oct 2022 19:50

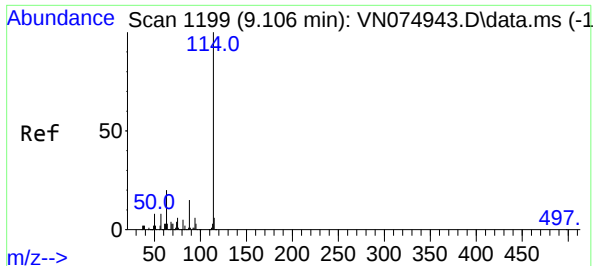
Tgt Ion: 65 Resp: 3037822

Ion Ratio Lower Upper

65 100

67 51.1 0.0 102.6

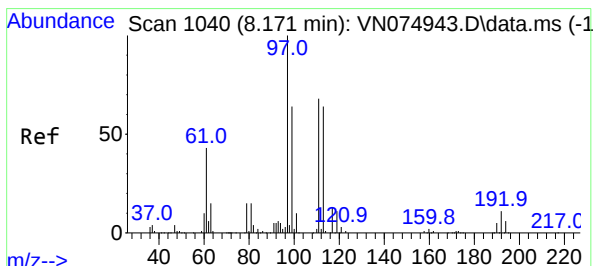
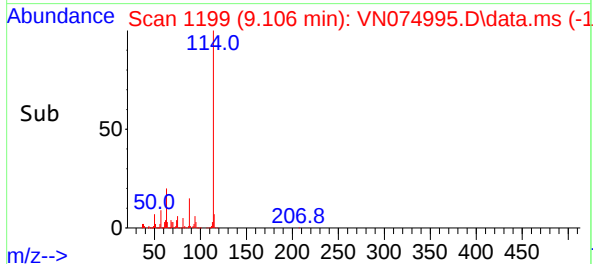
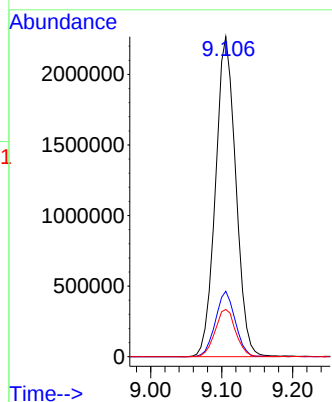
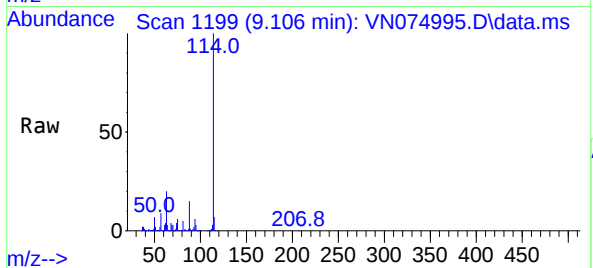




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

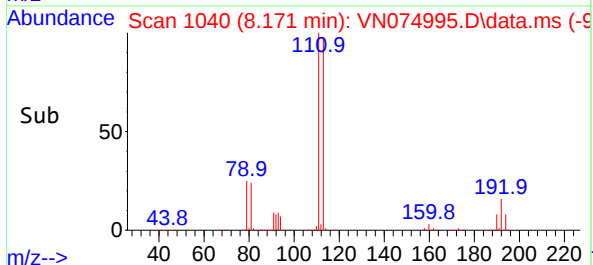
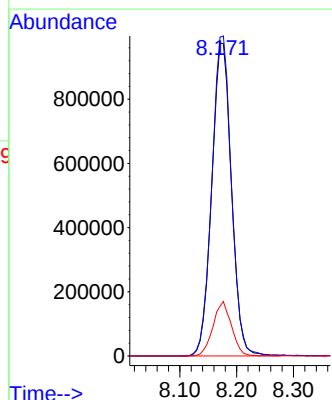
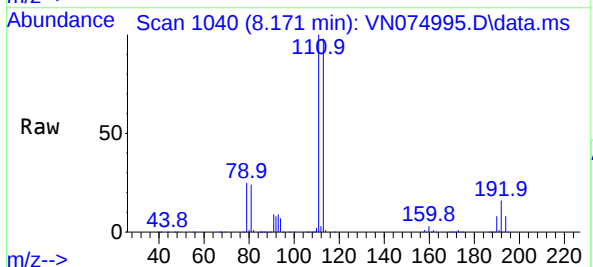
Instrument :
MSVOA_N
ClientSampleId :

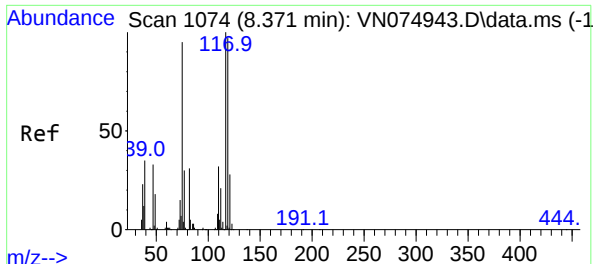
Tgt Ion:114 Resp: 4487439
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.8
88 14.8 0.0 30.4



#35
Dibromofluoromethane
Concen: 43.774 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion:113 Resp: 2338080
Ion Ratio Lower Upper
113 100
111 101.8 83.4 125.2
192 16.4 13.3 19.9

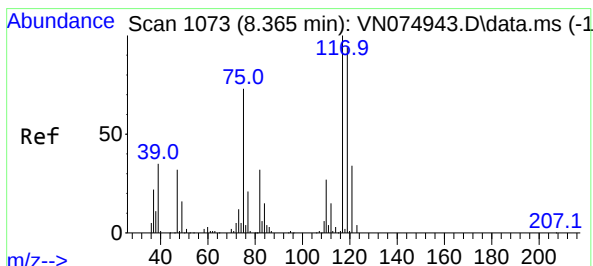
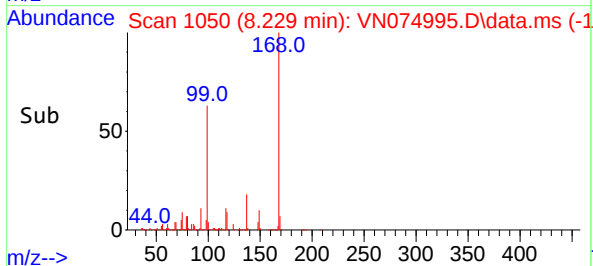
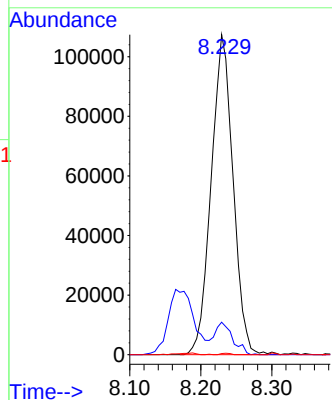
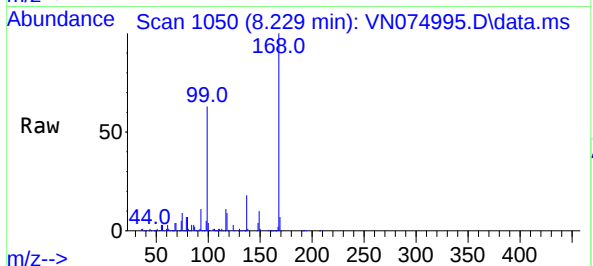




#36
1,1-Dichloropropene
Concen: 3.414 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

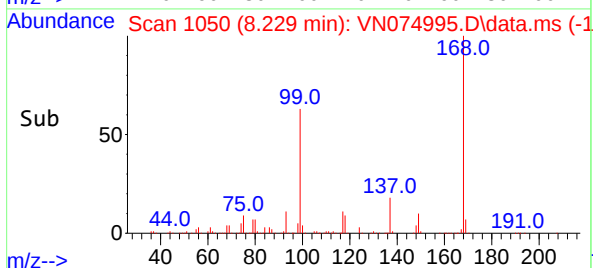
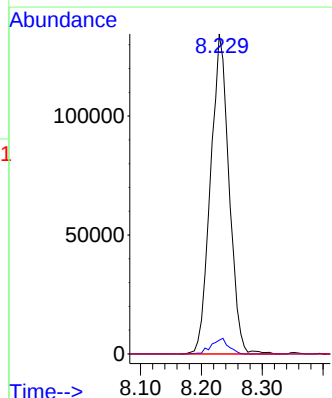
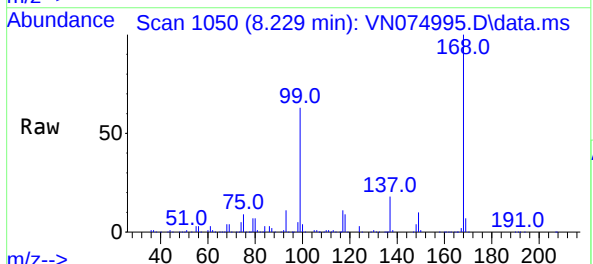
Instrument :
MSVOA_N
ClientSampleId :

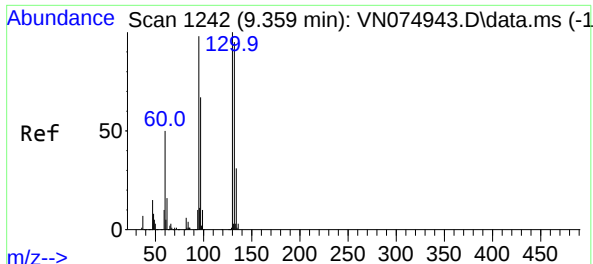
Tgt Ion: 75 Resp: 229653
Ion Ratio Lower Upper
75 100
110 8.3 18.1 54.4#
77 0.2 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 3.881 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 117 Resp: 284160
Ion Ratio Lower Upper
117 100
119 4.3 75.2 112.8#
121 0.0 27.0 40.6#





#44

Trichloroethene

Concen: 0.527 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN074995.D

Acq: 24 Oct 2022 19:50

Instrument :

MSVOA_N

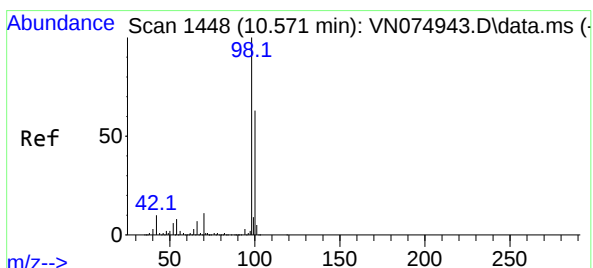
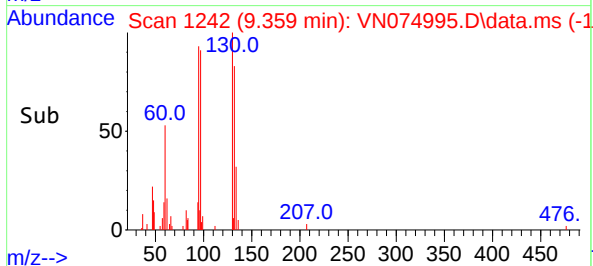
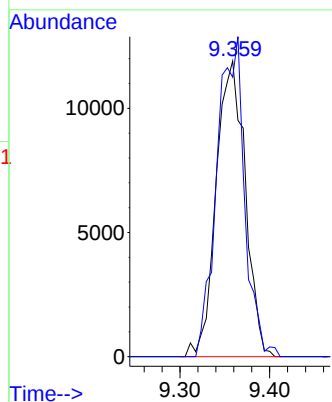
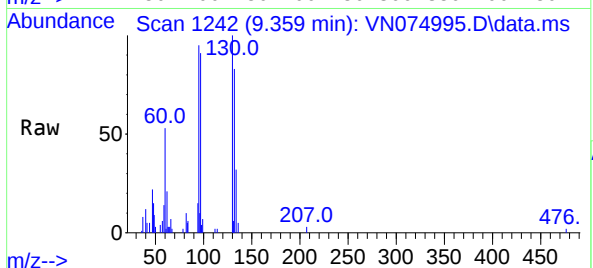
ClientSampleId :

Tgt Ion:130 Resp: 26802

Ion Ratio Lower Upper

130 100

95 94.5 0.0 195.8



#50

Toluene-d8

Concen: 51.435 ug/l

RT: 10.570 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN074995.D

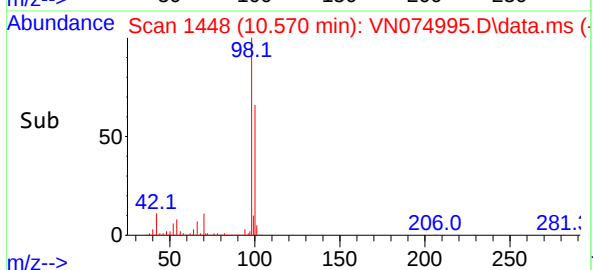
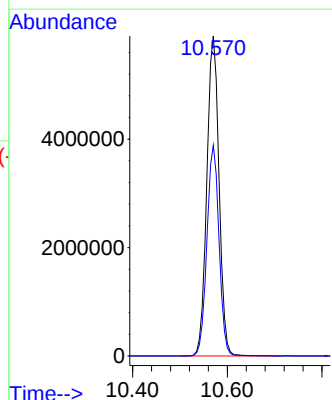
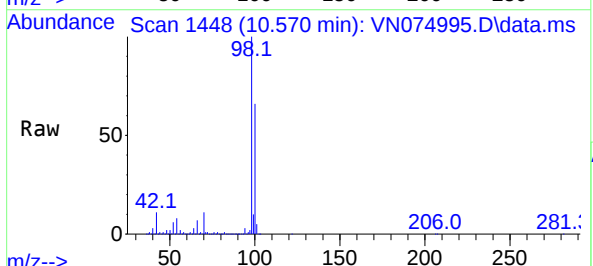
Acq: 24 Oct 2022 19:50

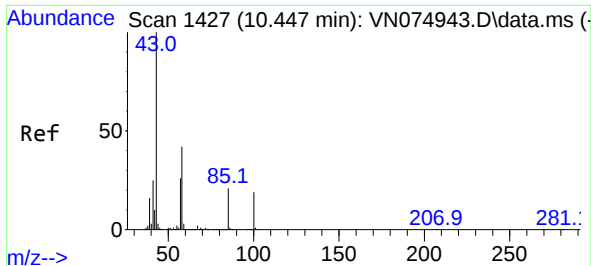
Tgt Ion: 98 Resp:10540440

Ion Ratio Lower Upper

98 100

100 65.4 51.4 77.2

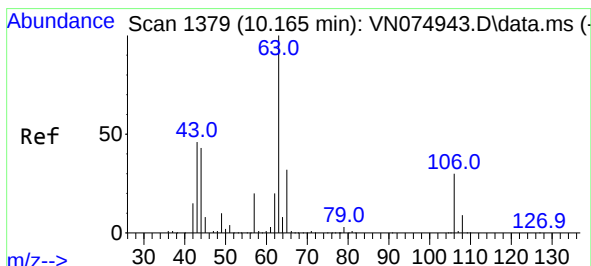
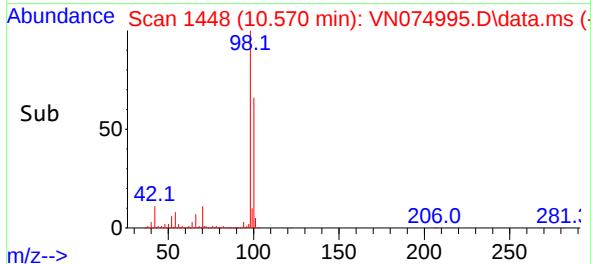
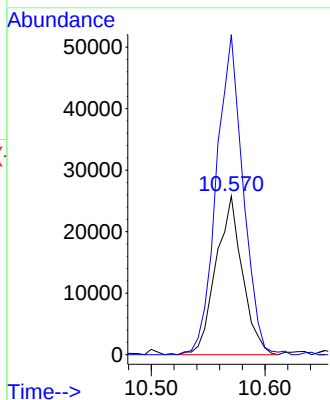
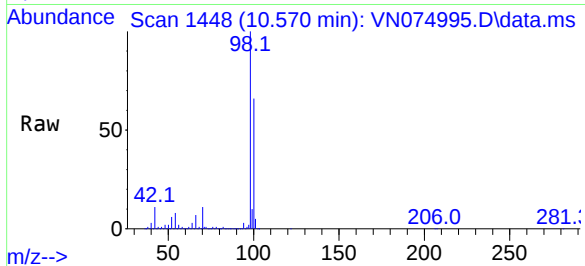




#51
4-Methyl-2-Pentanone
Concen: 0.513 ug/l
RT: 10.570 min Scan# 1427
Delta R.T. 0.123 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

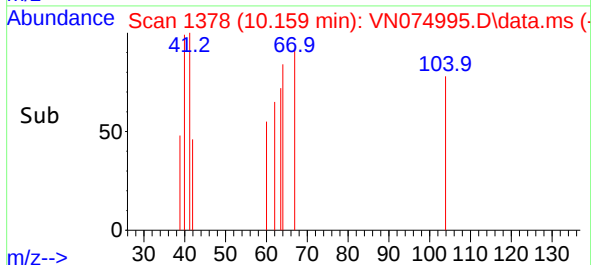
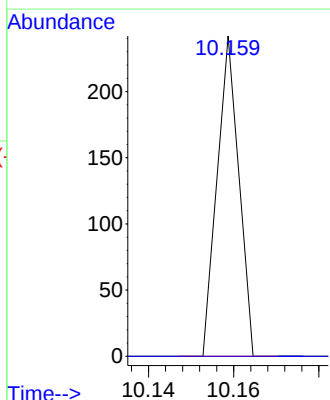
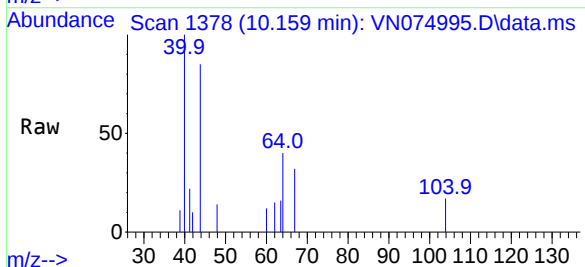
Instrument :
MSVOA_N
ClientSampleId :

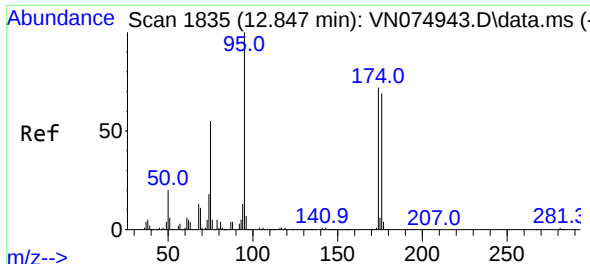
Tgt Ion: 43 Resp: 41759
Ion Ratio Lower Upper
43 100
58 203.6 33.6 50.4#



#58
2-Chloroethyl Vinyl ether
Concen: 3.611 ug/l
RT: 10.159 min Scan# 1378
Delta R.T. -0.006 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 63 Resp: 85
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#

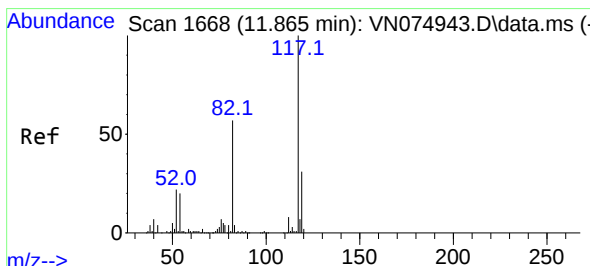
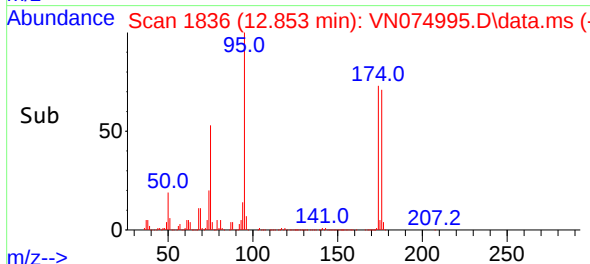
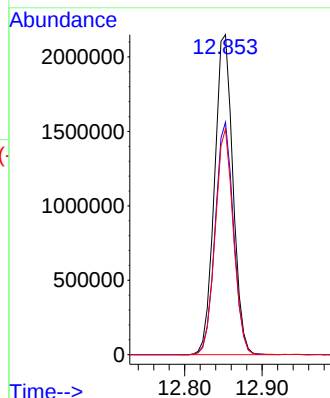
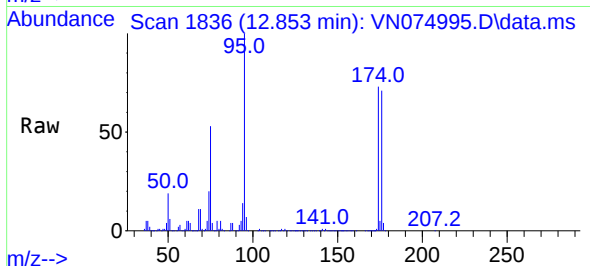




#62
4-Bromofluorobenzene
Concen: 49.137 ug/l
RT: 12.853 min Scan# 118
Delta R.T. 0.006 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

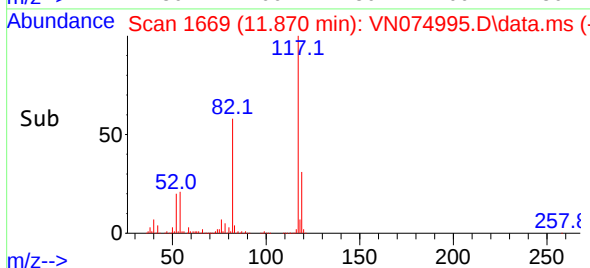
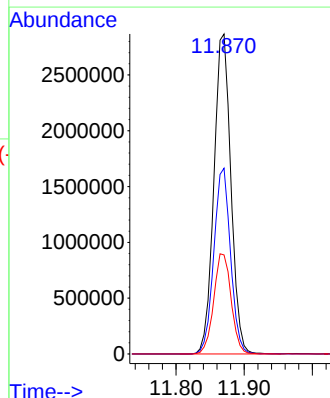
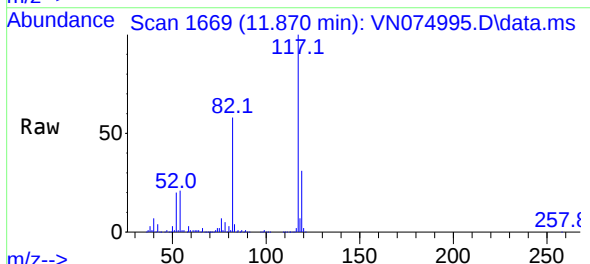
Instrument :
MSVOA_N
ClientSampleId :

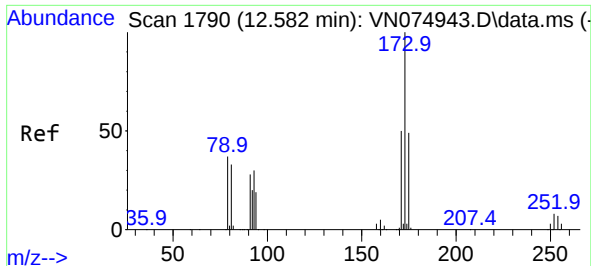
Tgt Ion: 95 Resp: 3551918
Ion Ratio Lower Upper
95 100
174 72.1 0.0 143.0
176 69.4 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 117 Resp: 4977463
Ion Ratio Lower Upper
117 100
82 58.1 45.6 68.4
119 30.9 25.1 37.7

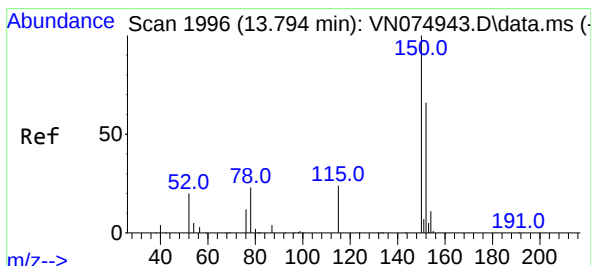
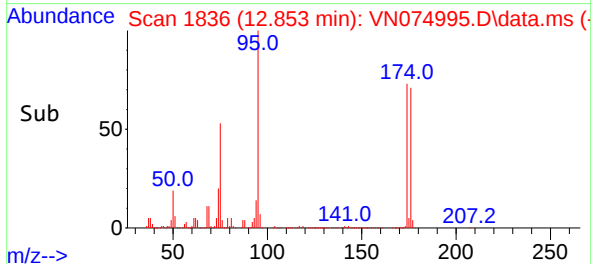
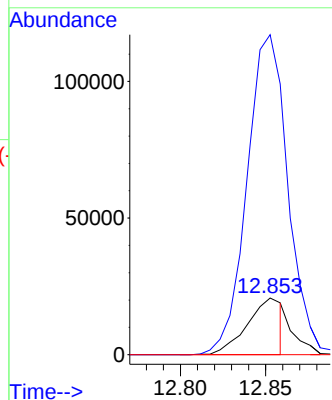
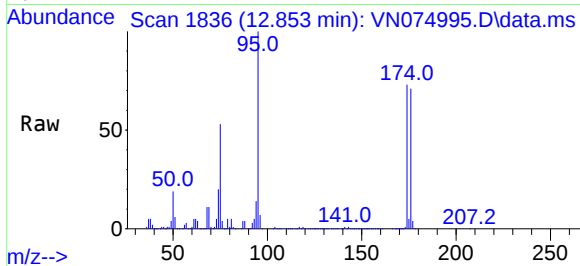




#71
Bromoform
Concen: 0.688 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.270 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

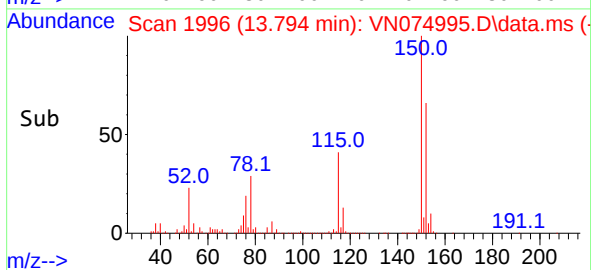
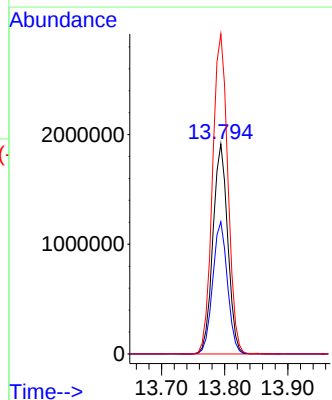
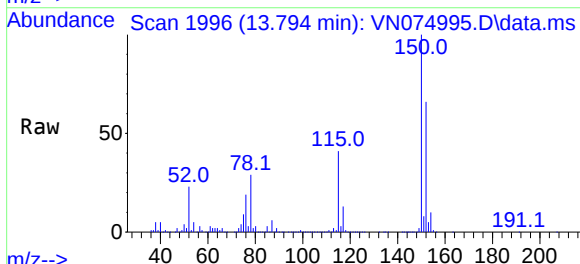
Instrument :
MSVOA_N
ClientSampleId :

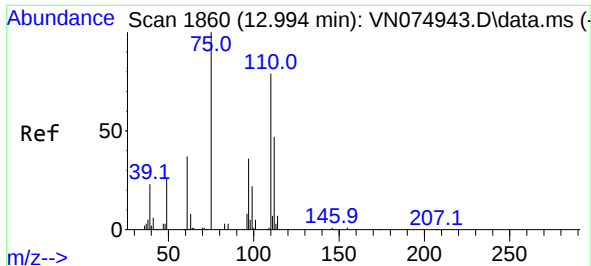
Tgt Ion:173 Resp: 29476
Ion Ratio Lower Upper
173 100
175 554.7 24.8 74.3#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion:152 Resp: 3112916
Ion Ratio Lower Upper
152 100
115 62.8 31.3 93.8
150 158.0 0.0 349.6

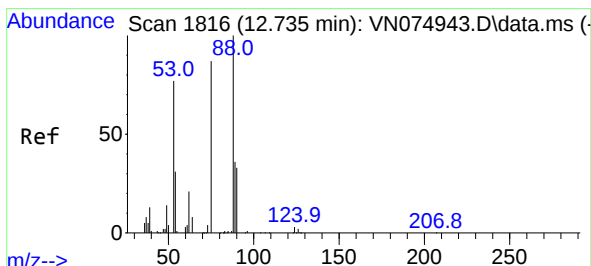
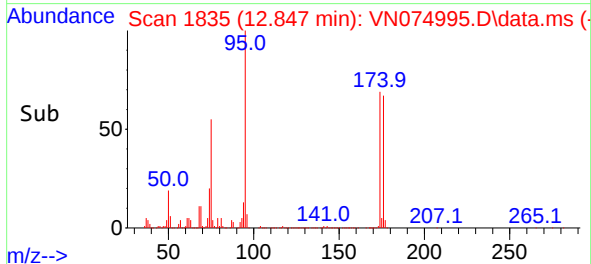
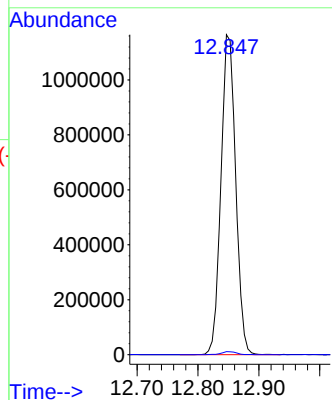
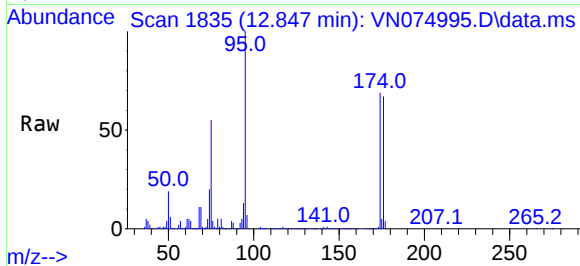




#76
1,2,3-Trichloropropane
Concen: 23.155 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 1954708
Ion Ratio Lower Upper
75 100
77 1.0 81.0 243.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 74.239 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074995.D
Acq: 24 Oct 2022 19:50

Tgt Ion: 75 Resp: 1954708
Ion Ratio Lower Upper
75 100
53 0.0 79.2 118.8#
89 0.0 37.9 56.9#

