

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111822\
 Data File : VN075320.D
 Acq On : 18 Nov 2022 18:17
 Operator : JC\MD
 Sample : PB149142ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 05:10:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

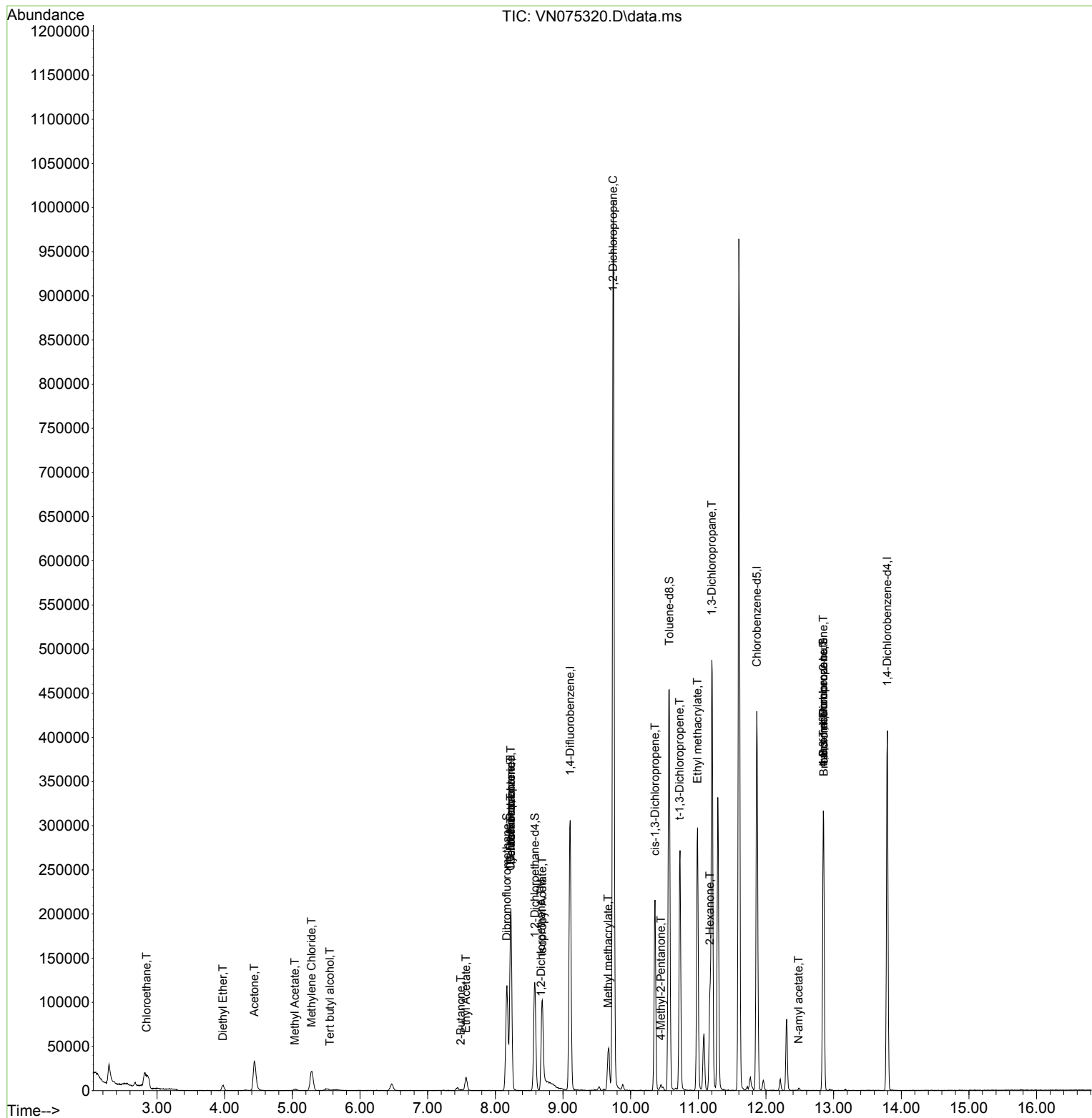
Internal Standards						
1) Pentafluorobenzene	8.230	168	153867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	282194	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	100974	48.705	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.420%		
35) Dibromofluoromethane	8.171	113	85518	51.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.240%		
50) Toluene-d8	10.571	98	332703	51.764	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.520%		
62) 4-Bromofluorobenzene	12.847	95	110039	48.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.480%		
Target Compounds						Qvalue
5) Bromomethane	2.930	94	54	Below Cal	#	5
6) Chloroethane	2.848	64	13968	6.422	ug/l #	55
8) Diethyl Ether	3.971	74	3956	3.501	ug/l	97
11) Tert butyl alcohol	5.553	59	214	0.443	ug/l #	72
16) Acetone	4.436	43	62569	71.277	ug/l	95
18) Methyl Acetate	5.036	43	3536	1.233	ug/l	91
20) Methylene Chloride	5.283	84	19230	9.825	ug/l	91
25) 2-Butanone	7.489	43	1538	1.114	ug/l #	43
31) Cyclohexane	8.224	56	3032	0.983	ug/l #	19
36) 1,1-Dichloropropene	8.224	75	12004	4.680	ug/l #	51
37) Ethyl Acetate	7.565	43	21679	7.708	ug/l	98
38) Carbon Tetrachloride	8.230	117	16555	5.868	ug/l #	16
42) 1,2-Dichloroethane	8.677	62	624	0.218	ug/l #	75
43) Isopropyl Acetate	8.694	43	121651	27.883	ug/l #	85
45) 1,2-Dichloropropane	9.741	63	1452	0.777	ug/l #	42
48) Methyl methacrylate	9.665	41	2905	1.452	ug/l #	32
51) 4-Methyl-2-Pentanone	10.447	43	4187	1.487	ug/l	97
53) t-1,3-Dichloropropene	10.724	75	651	0.219	ug/l #	67
54) cis-1,3-Dichloropropene	10.359	75	41502	13.148	ug/l #	63
56) Ethyl methacrylate	10.988	69	1125	0.354	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	5870	1.693	ug/l #	42
59) 2-Hexanone	11.171	43	86928	40.682	ug/l #	21
71) Bromoform	12.853	173	1110	0.721	ug/l #	1
74) N-amyl acetate	12.482	43	1175	0.359	ug/l #	38
76) 1,2,3-Trichloropropane	12.847	75	56231	23.998	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	56231	61.603	ug/l #	10

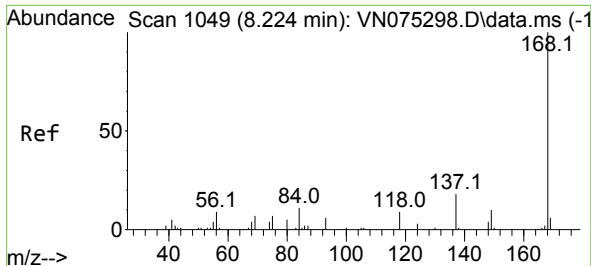
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 27 09:48:49 2022
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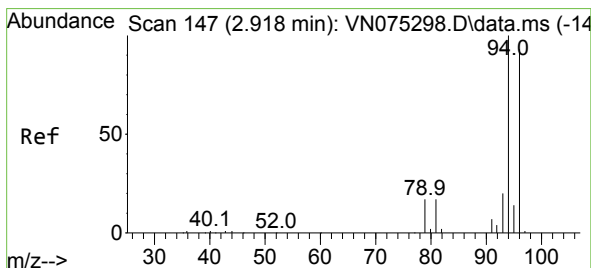
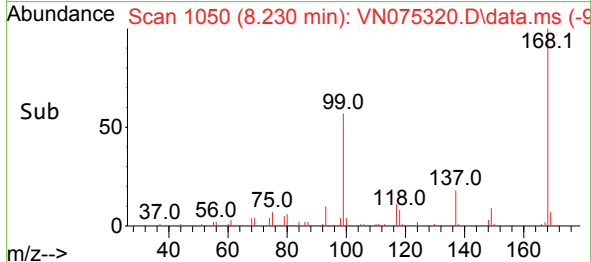
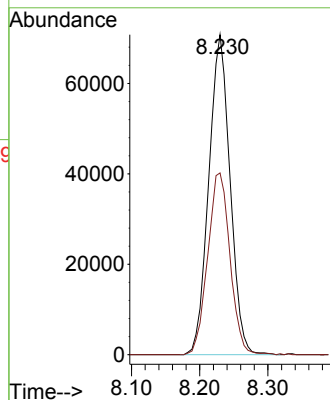
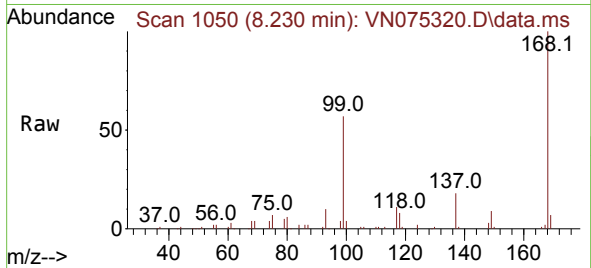




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

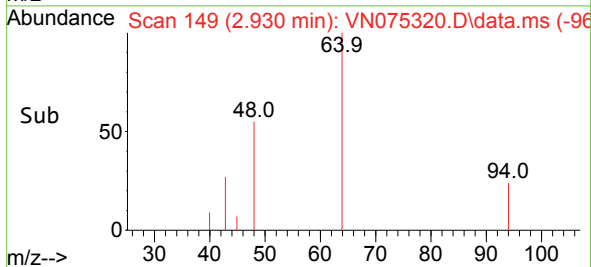
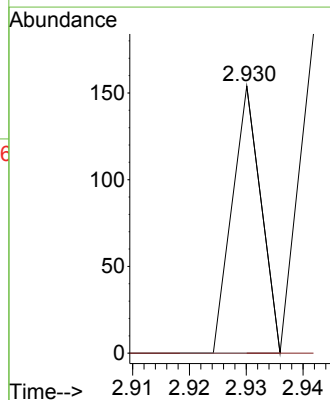
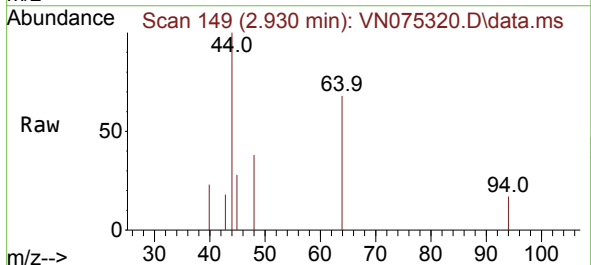
Instrument :
MSVOA_N
ClientSampleId :

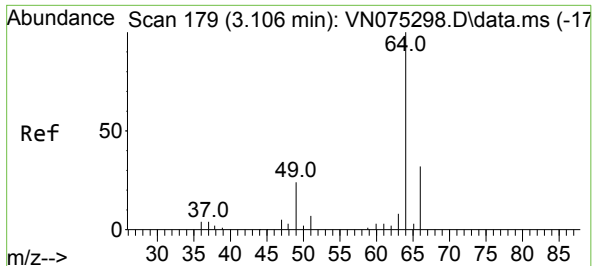
Tgt Ion:168 Resp: 153867
Ion Ratio Lower Upper
168 100
99 56.8 51.6 77.4



#5
Bromomethane
Concen: Below Cal
RT: 2.930 min Scan# 149
Delta R.T. 0.012 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 0.0 71.8 107.6#

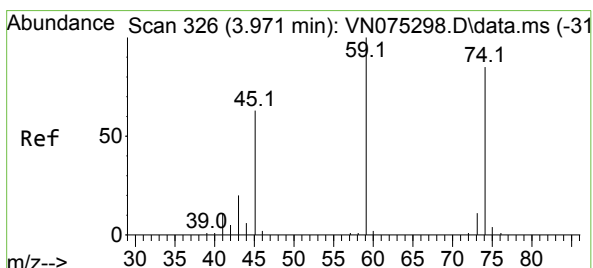
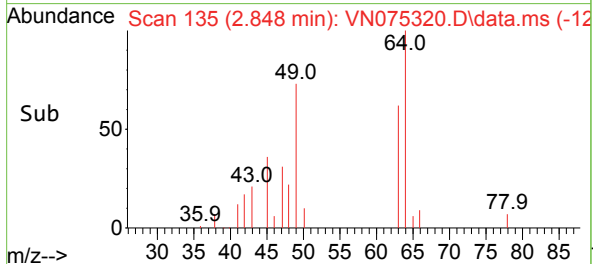
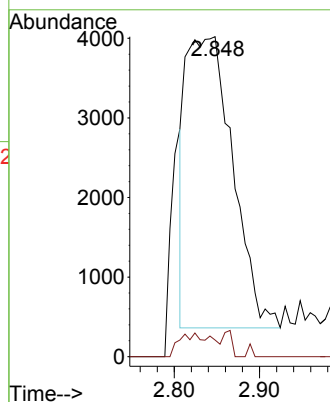
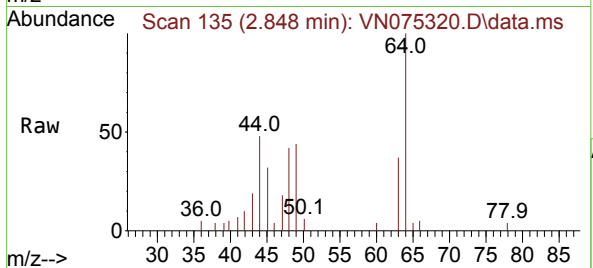




#6
Chloroethane
Concen: 6.422 ug/l
RT: 2.848 min Scan# 11
Delta R.T. -0.247 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

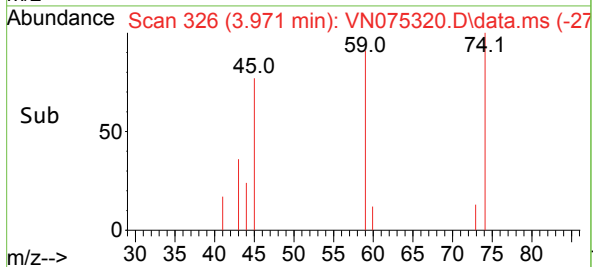
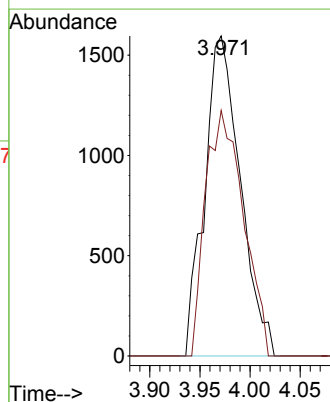
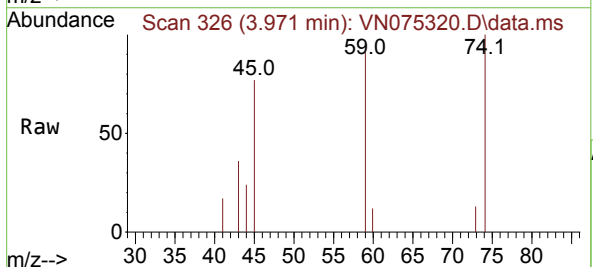
Instrument :
MSVOA_N
ClientSampleId :

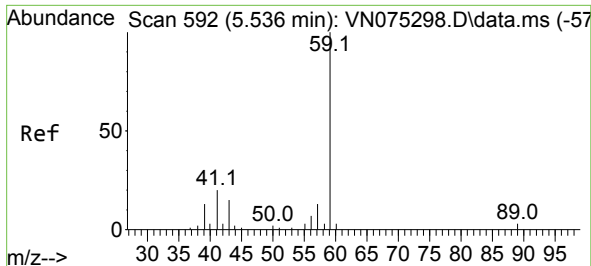
Tgt Ion: 64 Resp: 13968
Ion Ratio Lower Upper
64 100
66 5.7 23.8 35.8#



#8
Diethyl Ether
Concen: 3.501 ug/l
RT: 3.971 min Scan# 326
Delta R.T. 0.000 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion: 74 Resp: 3956
Ion Ratio Lower Upper
74 100
45 81.6 39.3 117.9

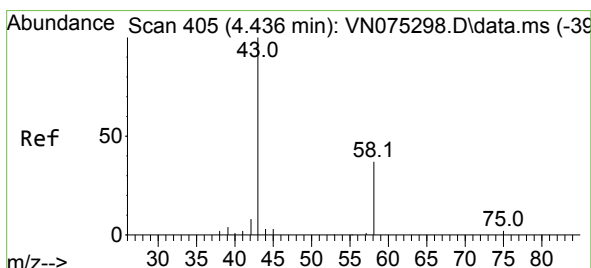
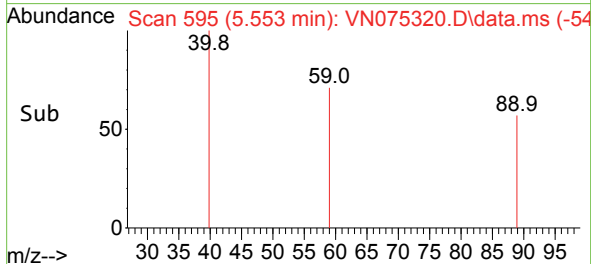
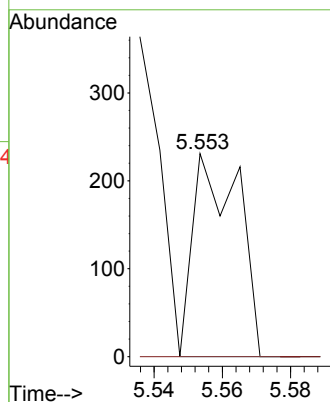
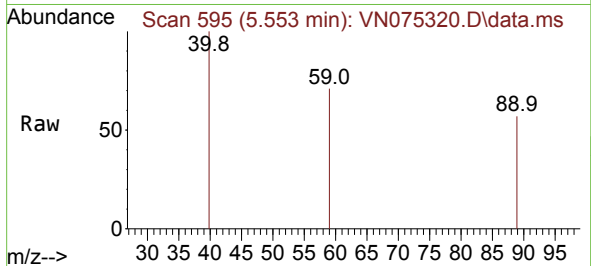




#11
Tert butyl alcohol
Concen: 0.443 ug/l
RT: 5.553 min Scan# 59
Delta R.T. 0.011 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

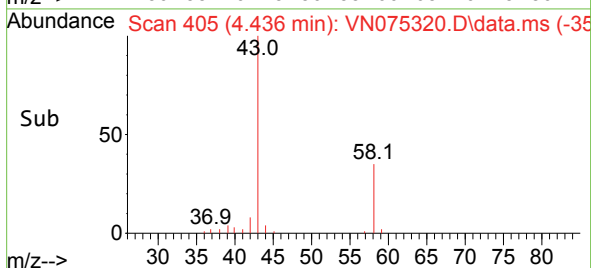
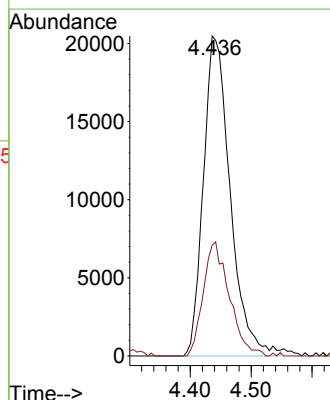
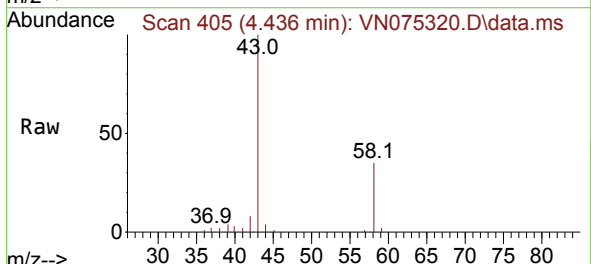
Instrument :
MSVOA_N
ClientSampleId :

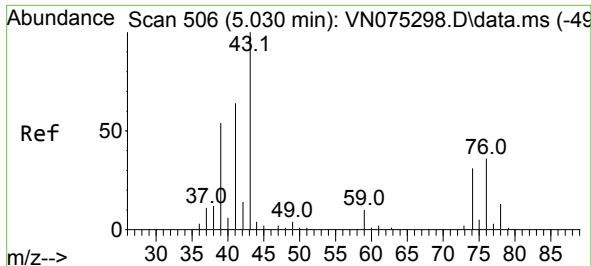
Tgt Ion: 59 Resp: 214
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#16
Acetone
Concen: 71.277 ug/l
RT: 4.436 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

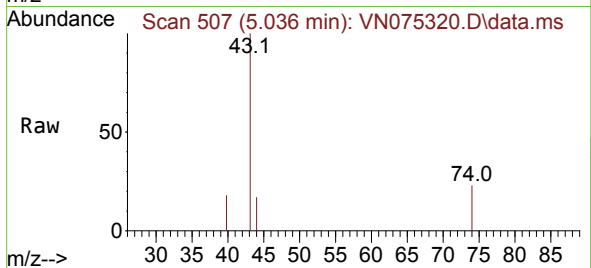
Tgt Ion: 43 Resp: 62569
Ion Ratio Lower Upper
43 100
58 34.6 25.5 38.3



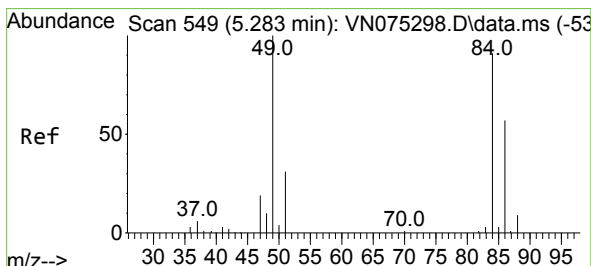
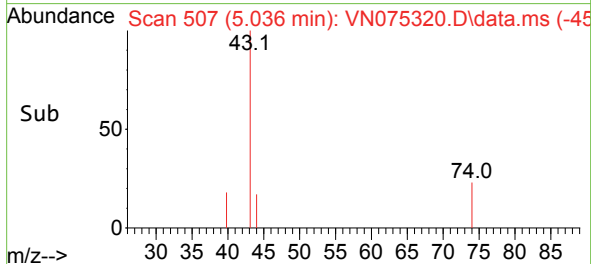
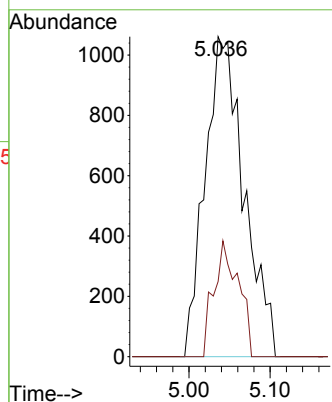


#18
Methyl Acetate
Concen: 1.233 ug/l
RT: 5.036 min Scan# 506
Delta R.T. -0.006 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :

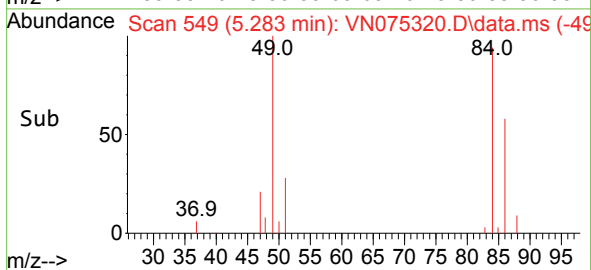
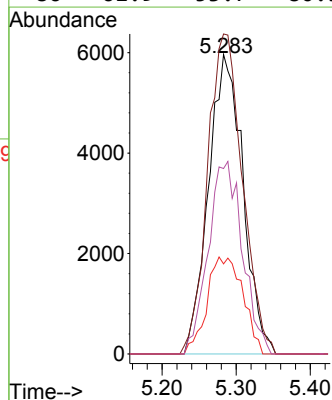
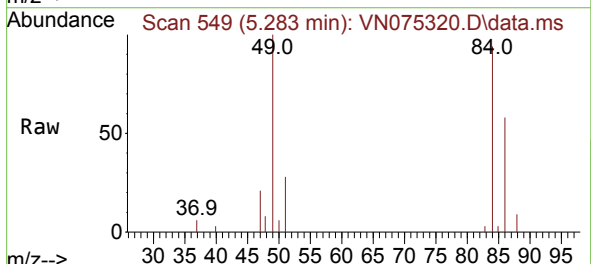


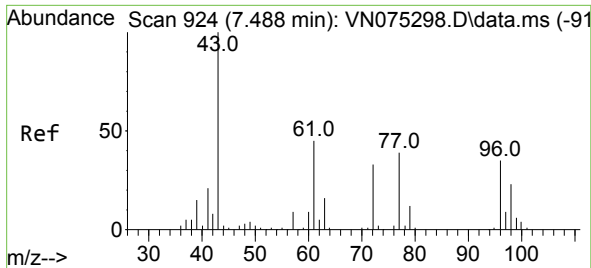
Tgt Ion: 43 Resp: 3536
Ion Ratio Lower Upper
43 100
74 22.8 22.0 33.0



#20
Methylene Chloride
Concen: 9.825 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.000 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion: 84 Resp: 19230
Ion Ratio Lower Upper
84 100
49 106.9 94.9 142.3
51 30.1 26.8 40.2
86 61.9 53.7 80.5

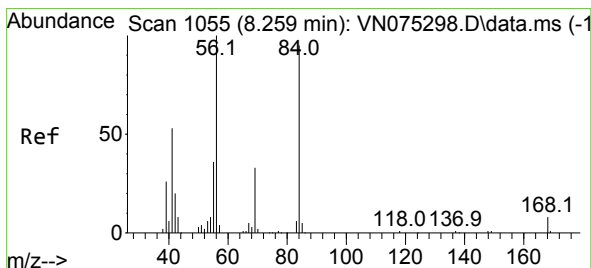
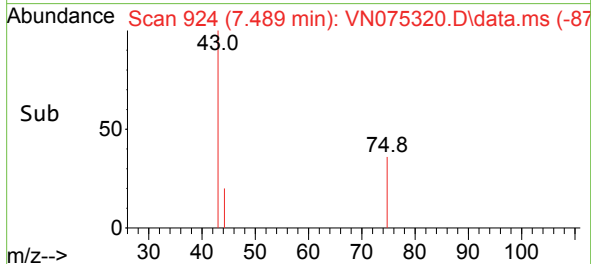
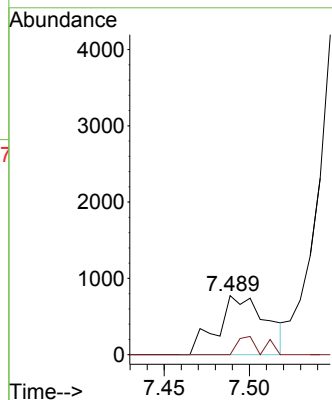
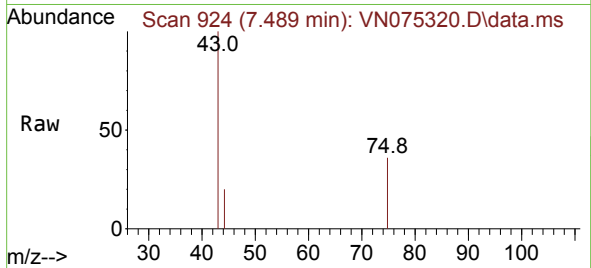




#25
2-Butanone
Concen: 1.114 ug/l
RT: 7.489 min Scan# 91
Delta R.T. -0.005 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

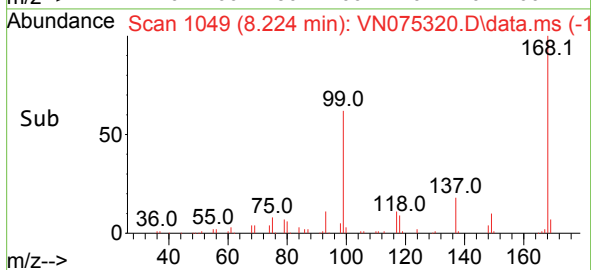
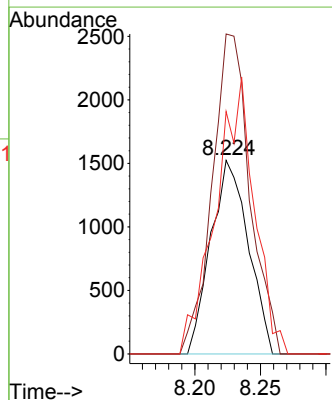
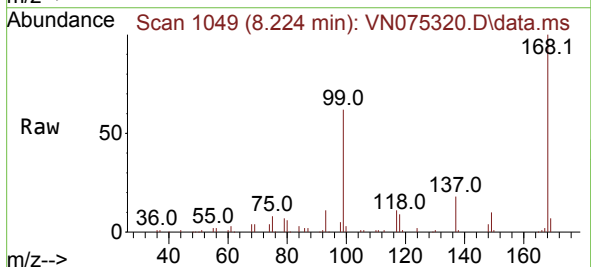
Instrument :
MSVOA_N
ClientSampleId :

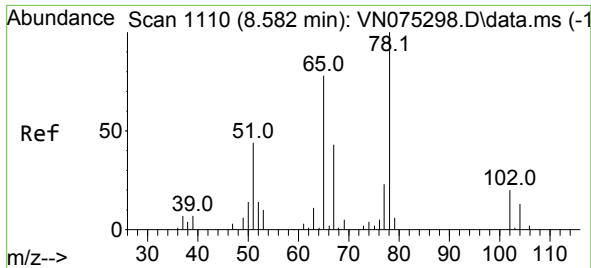
Tgt Ion: 43 Resp: 1538
Ion Ratio Lower Upper
43 100
72 0.0 25.5 38.3#



#31
Cyclohexane
Concen: 0.983 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.035 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion: 56 Resp: 3032
Ion Ratio Lower Upper
56 100
69 165.3 25.2 37.8#
84 125.2 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 48.705 ug/l

RT: 8.583 min Scan# 1110

Delta R.T. -0.005 min

Lab File: VN075320.D

Acq: 18 Nov 2022 18:17

Instrument :

MSVOA_N

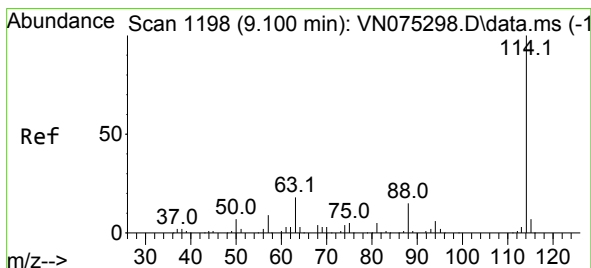
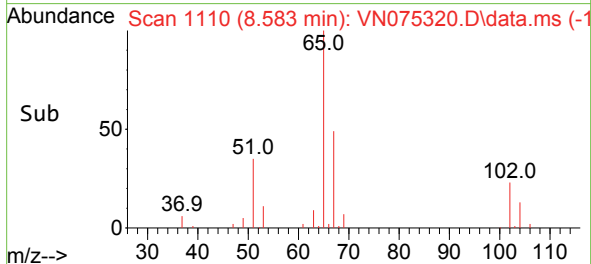
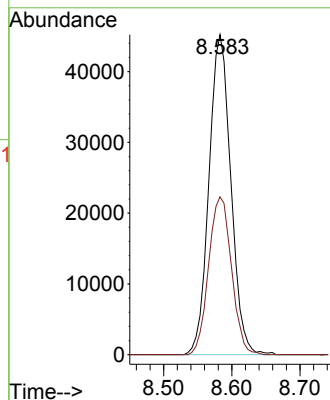
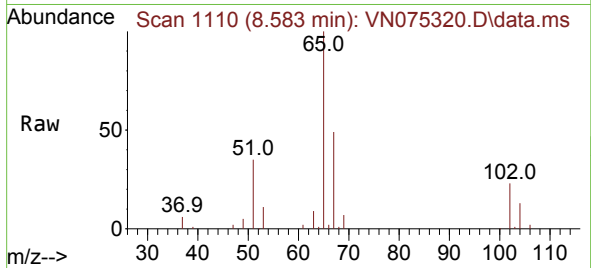
ClientSampleId :

Tgt Ion: 65 Resp: 100974

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075320.D

Acq: 18 Nov 2022 18:17

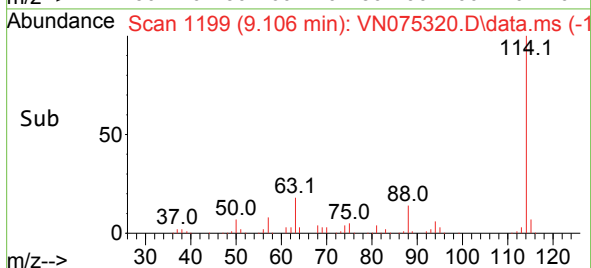
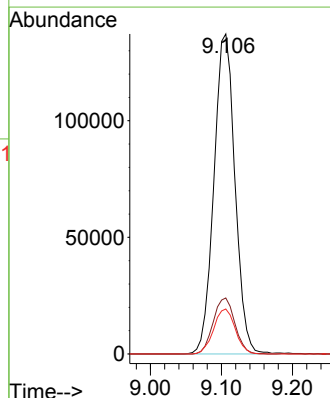
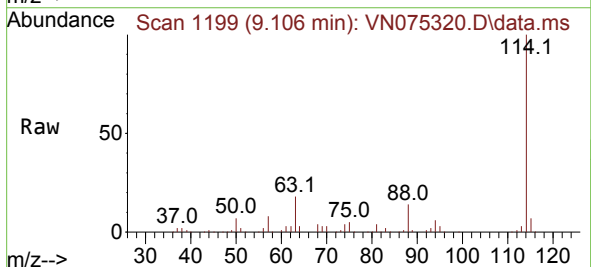
Tgt Ion:114 Resp: 282194

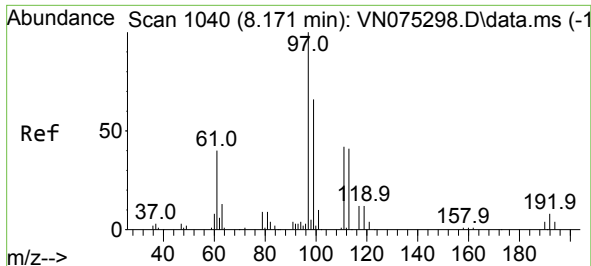
Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

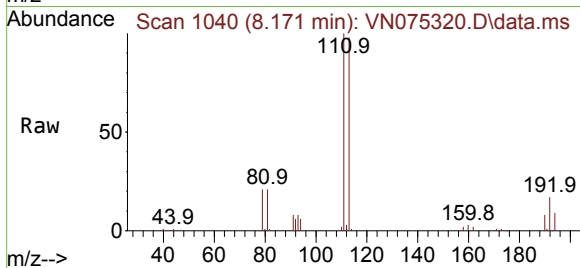
88 14.1 0.0 29.0



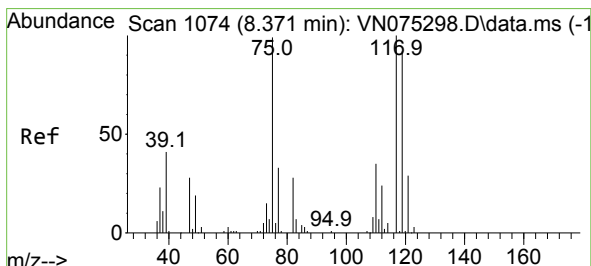
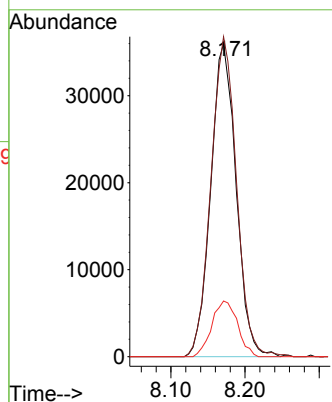
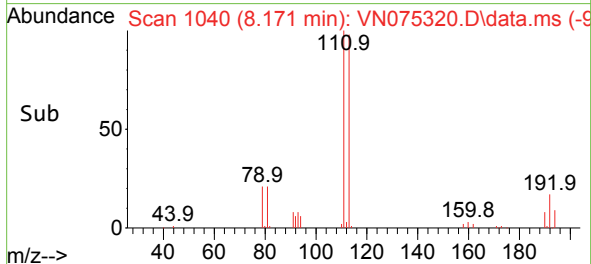


#35
Dibromofluoromethane
Concen: 51.622 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :

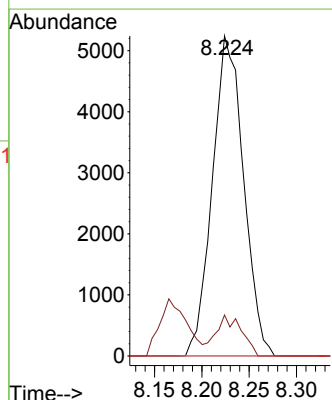
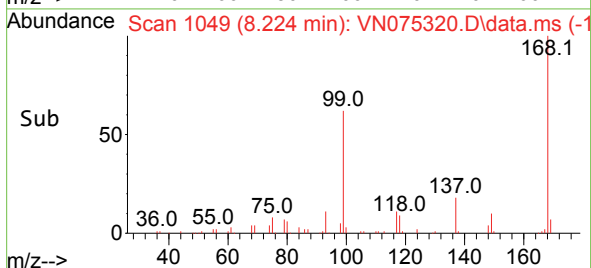
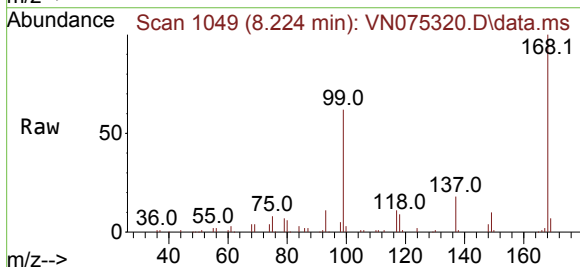


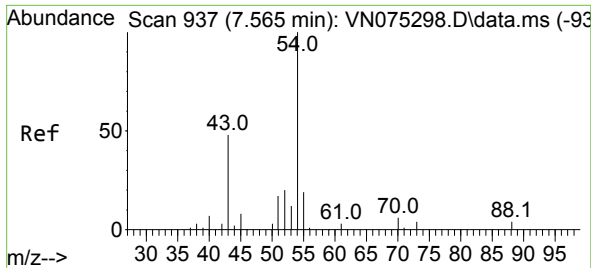
Tgt Ion:113 Resp: 85518
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 18.1 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.680 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.153 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion: 75 Resp: 12004
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.3#
77 0.0 24.6 37.0#

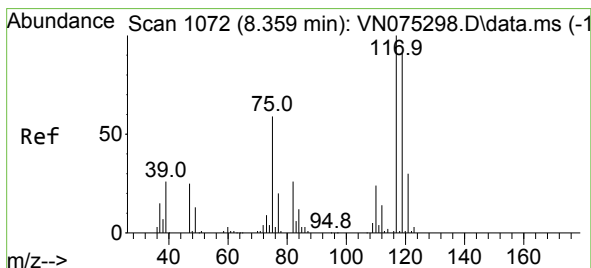
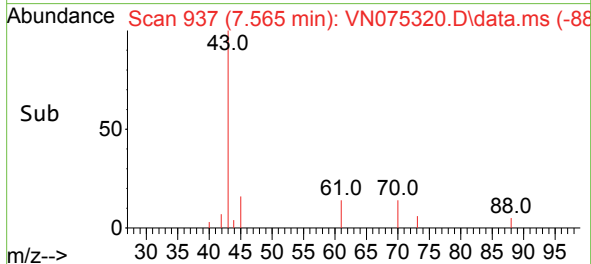
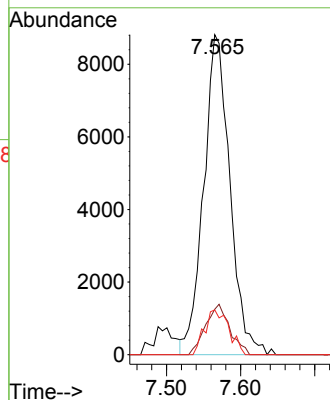
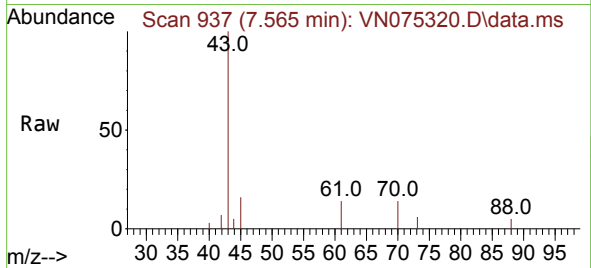




#37
Ethyl Acetate
Concen: 7.708 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

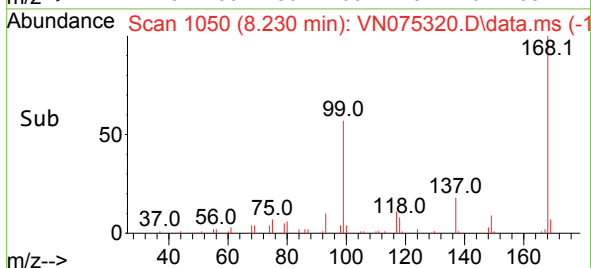
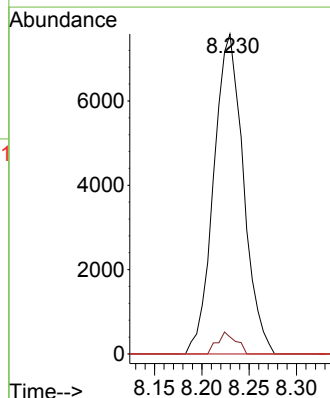
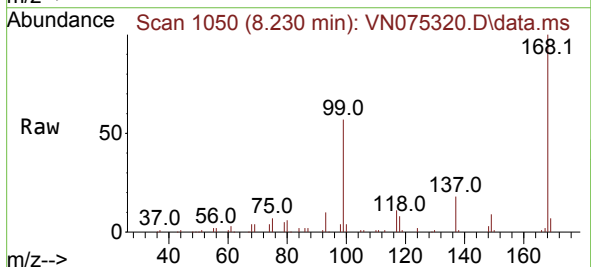
Instrument :
MSVOA_N
ClientSampleId :

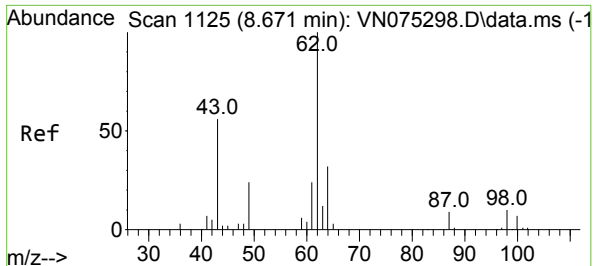
Tgt Ion:	43	Resp:	21679
Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.2	18.4
70	13.0	9.4	14.2



#38
Carbon Tetrachloride
Concen: 5.868 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion:	117	Resp:	16555
Ion	Ratio	Lower	Upper
117	100		
119	5.3	76.7	115.1#
121	0.0	23.9	35.9#





#42

1,2-Dichloroethane

Concen: 0.218 ug/l

RT: 8.677 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN075320.D

Acq: 18 Nov 2022 18:17

Instrument :

MSVOA_N

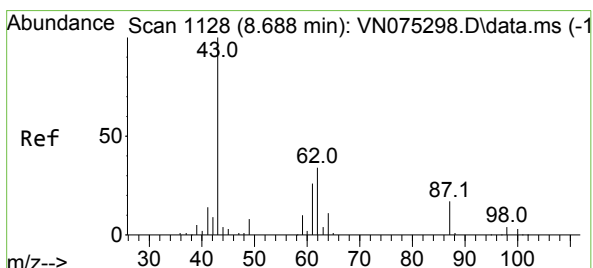
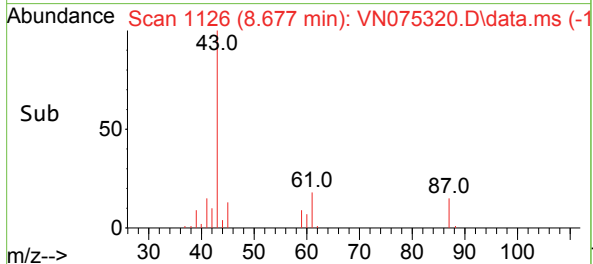
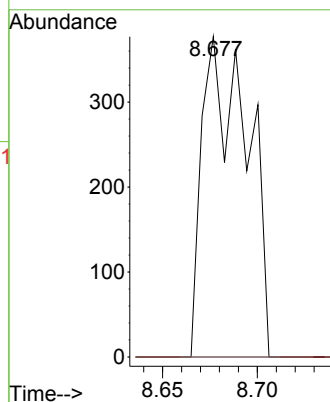
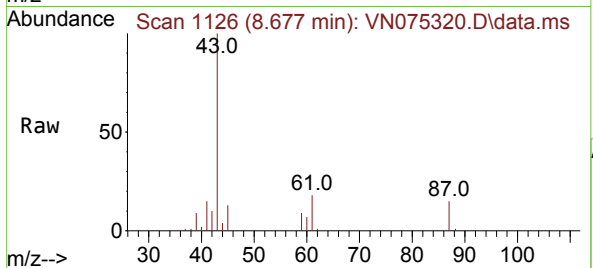
ClientSampleId :

Tgt Ion: 62 Resp: 624

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 27.883 ug/l

RT: 8.694 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN075320.D

Acq: 18 Nov 2022 18:17

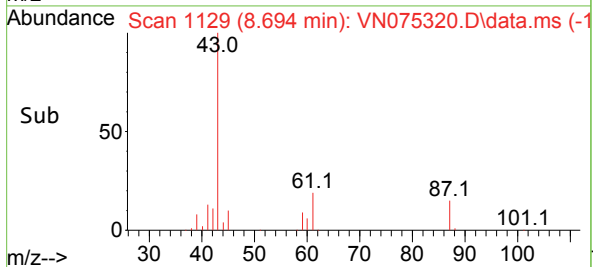
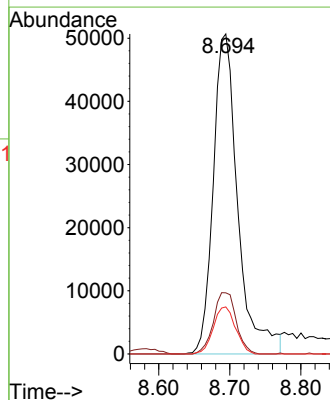
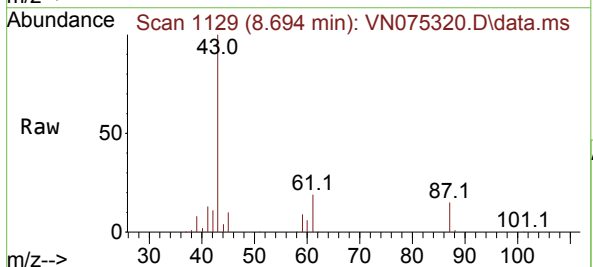
Tgt Ion: 43 Resp: 121651

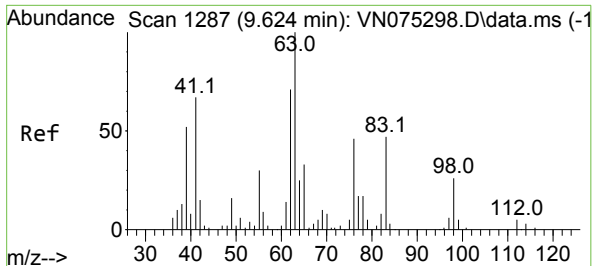
Ion Ratio Lower Upper

43 100

61 17.7 22.4 33.6#

87 13.3 12.5 18.7





#45

1,2-Dichloropropane

Concen: 0.777 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.117 min

Lab File: VN075320.D

Acq: 18 Nov 2022 18:17

Instrument :

MSVOA_N

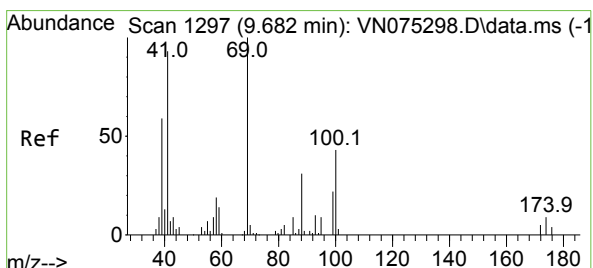
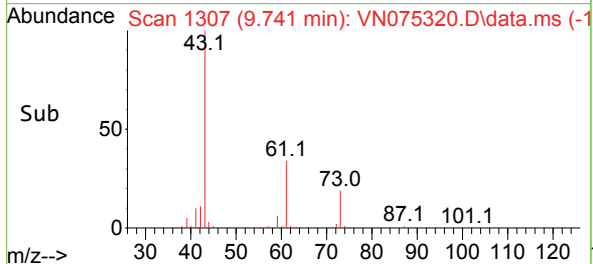
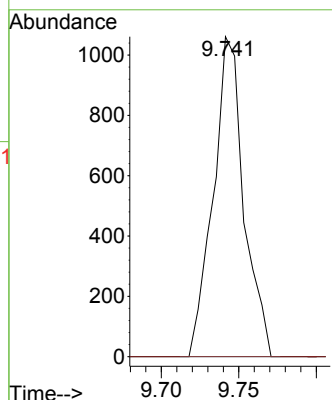
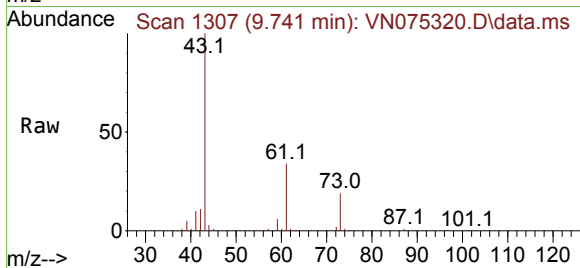
ClientSampleId :

Tgt Ion: 63 Resp: 1452

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.452 ug/l

RT: 9.665 min Scan# 1294

Delta R.T. -0.017 min

Lab File: VN075320.D

Acq: 18 Nov 2022 18:17

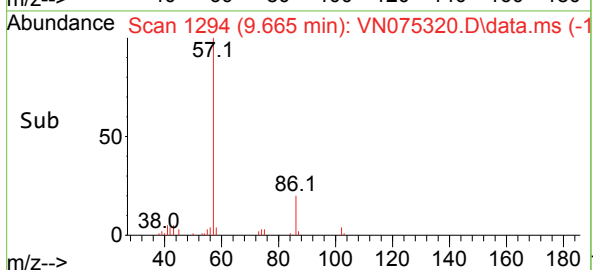
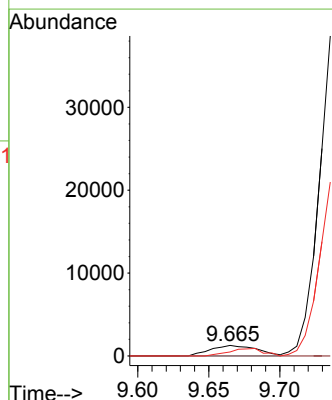
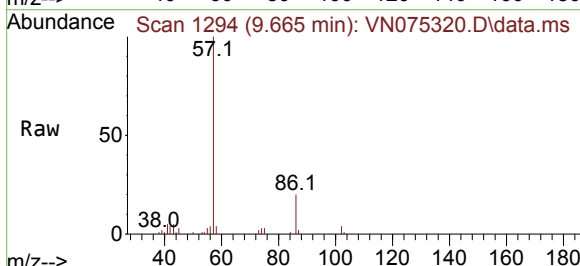
Tgt Ion: 41 Resp: 2905

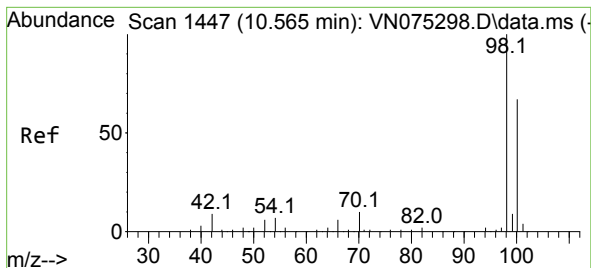
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 51.8 56.2 84.2#





#50

Toluene-d8

Concen: 51.764 ug/l

RT: 10.571 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN075320.D

Acq: 18 Nov 2022 18:17

Instrument :

MSVOA_N

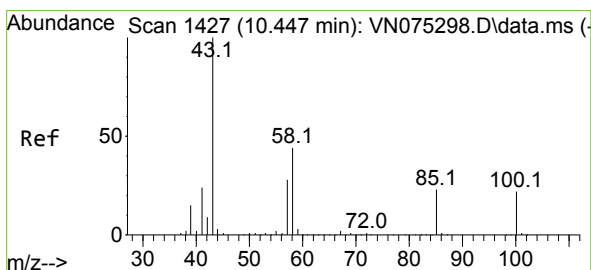
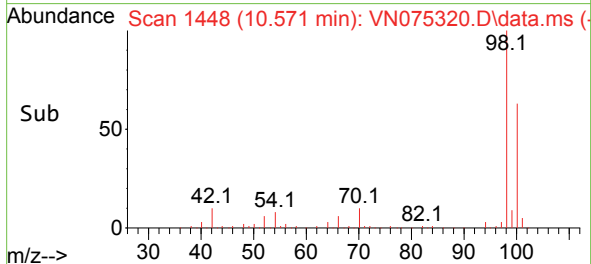
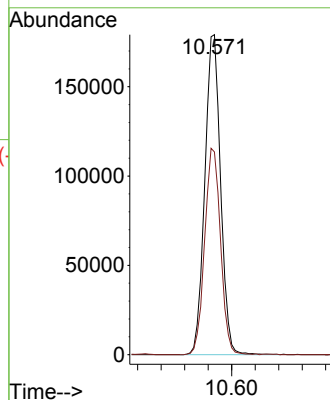
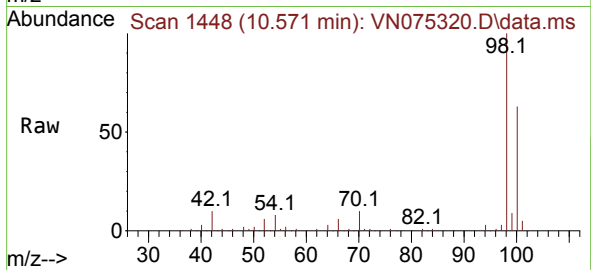
ClientSampleId :

Tgt Ion: 98 Resp: 332703

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.6



#51

4-Methyl-2-Pentanone

Concen: 1.487 ug/l

RT: 10.447 min Scan# 1427

Delta R.T. 0.000 min

Lab File: VN075320.D

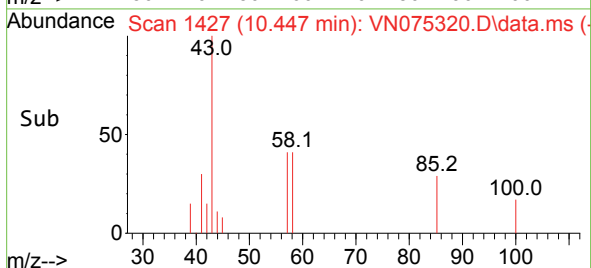
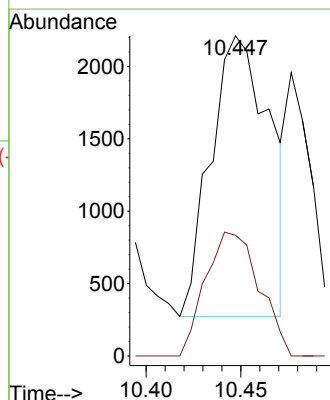
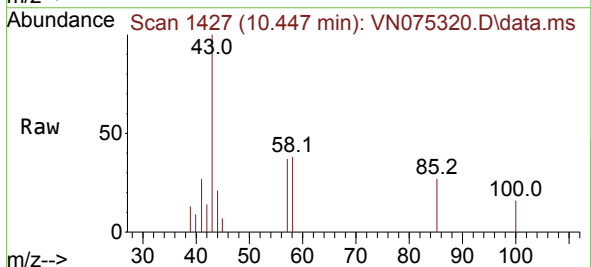
Acq: 18 Nov 2022 18:17

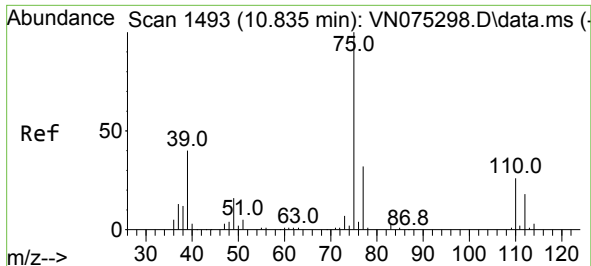
Tgt Ion: 43 Resp: 4187

Ion Ratio Lower Upper

43 100

58 40.4 33.6 50.4

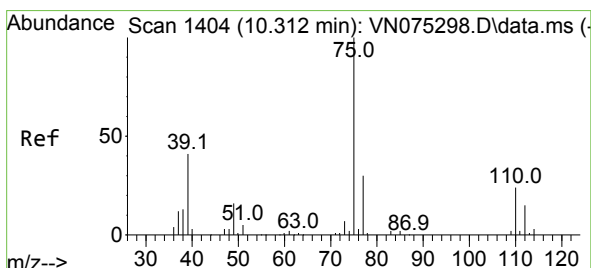
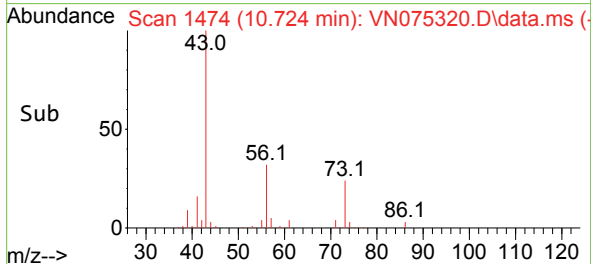
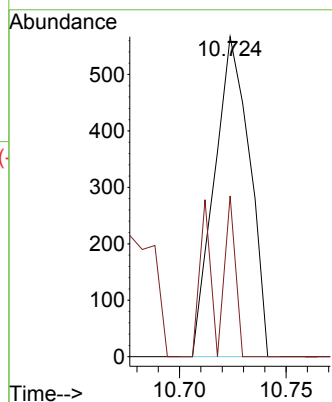
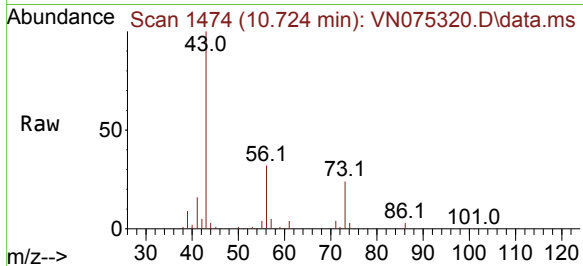




#53
 t-1,3-Dichloropropene
 Concen: 0.219 ug/l
 RT: 10.724 min Scan# 1412
 Delta R.T. -0.117 min
 Lab File: VN075320.D
 Acq: 18 Nov 2022 18:17

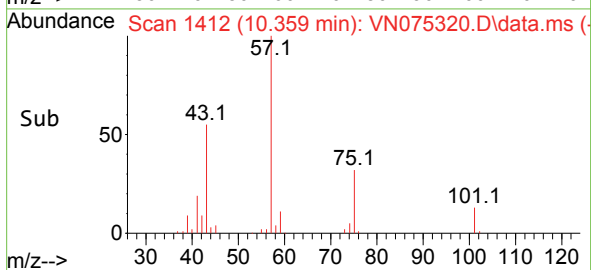
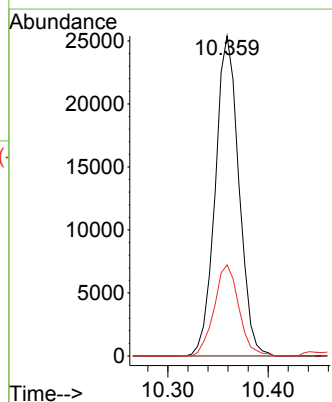
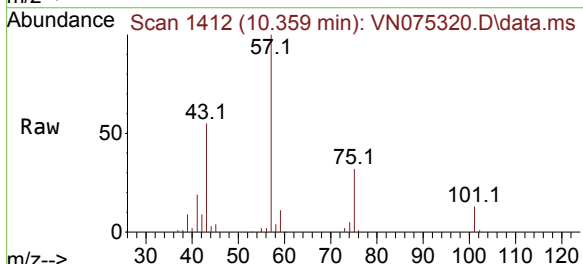
Instrument :
 MSVOA_N
 ClientSampleId :

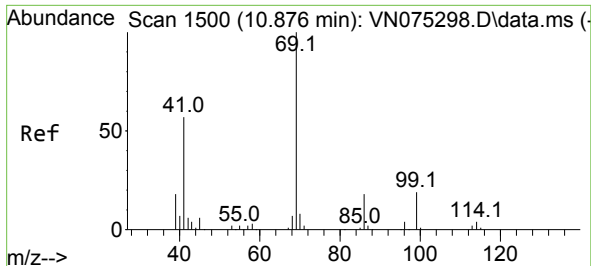
Tgt Ion: 75 Resp: 651
 Ion Ratio Lower Upper
 75 100
 77 50.3 25.4 38.2#



#54
 cis-1,3-Dichloropropene
 Concen: 13.148 ug/l
 RT: 10.359 min Scan# 1412
 Delta R.T. 0.041 min
 Lab File: VN075320.D
 Acq: 18 Nov 2022 18:17

Tgt Ion: 75 Resp: 41502
 Ion Ratio Lower Upper
 75 100
 77 0.0 23.7 35.5#
 39 28.4 35.8 53.6#

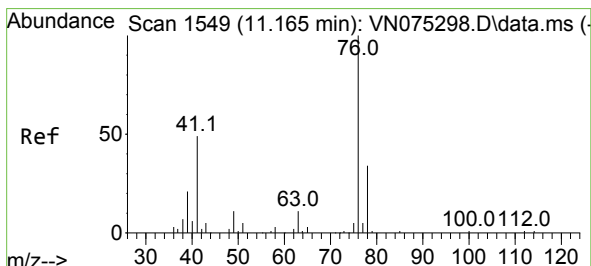
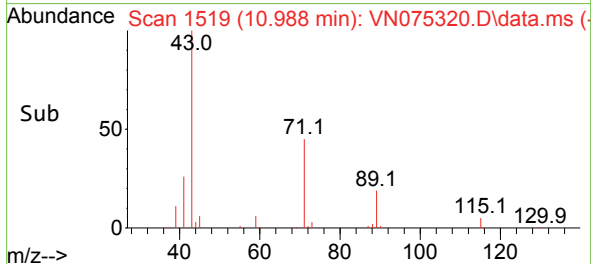
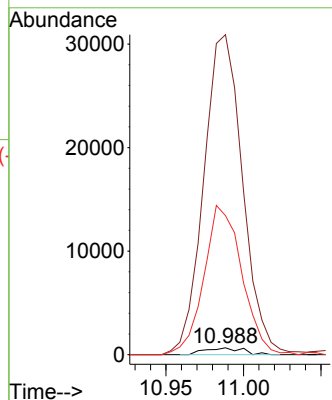
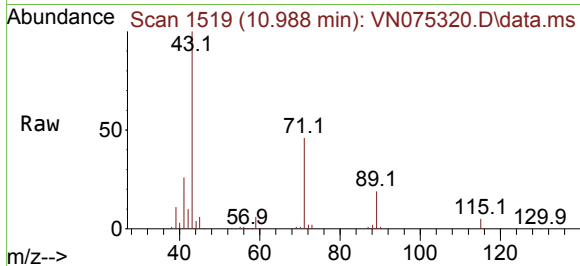




#56
Ethyl methacrylate
Concen: 0.354 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

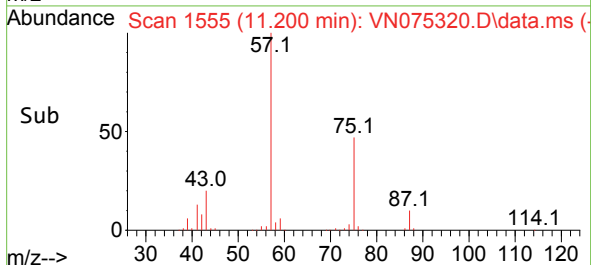
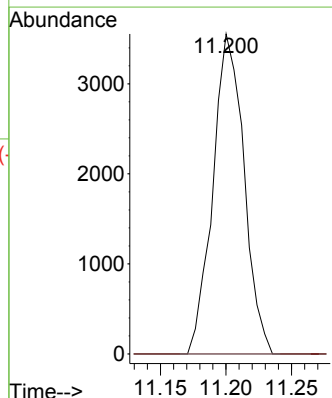
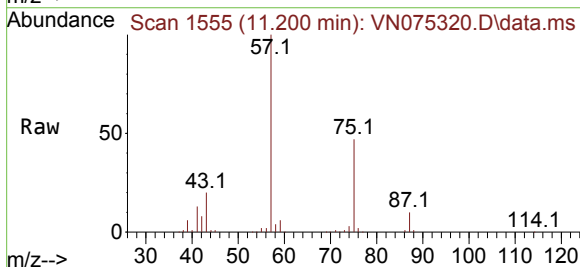
Instrument :
MSVOA_N
ClientSampleId :

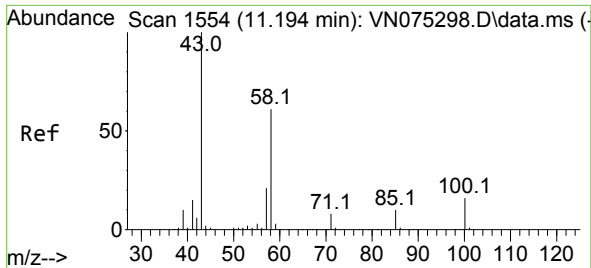
Tgt Ion: 69 Resp: 1125
Ion Ratio Lower Upper
69 100
41 4802.2 45.6 68.4#
39 2178.2 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.693 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. 0.035 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion: 76 Resp: 5870
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

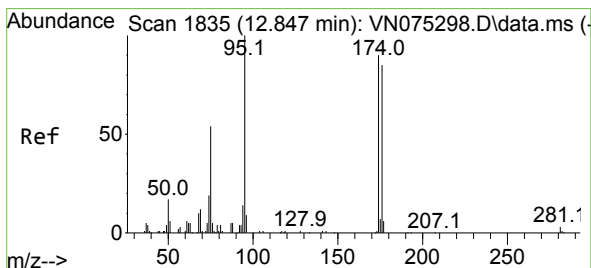
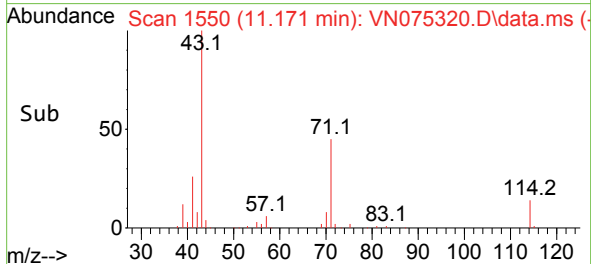
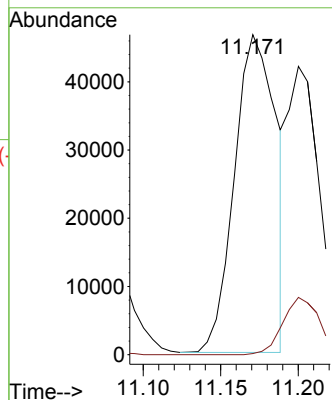
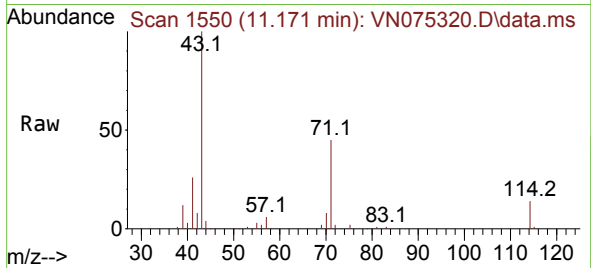




#59
2-Hexanone
Concen: 40.682 ug/l
RT: 11.171 min Scan# 1150
Delta R.T. -0.029 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

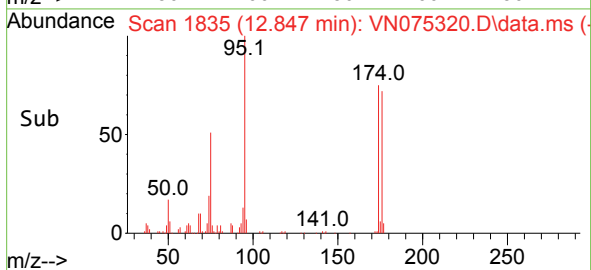
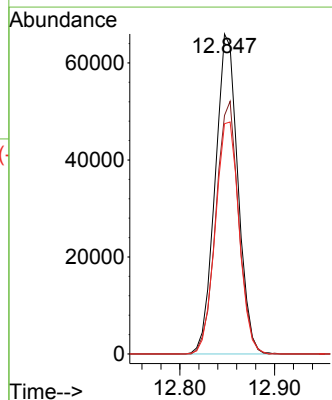
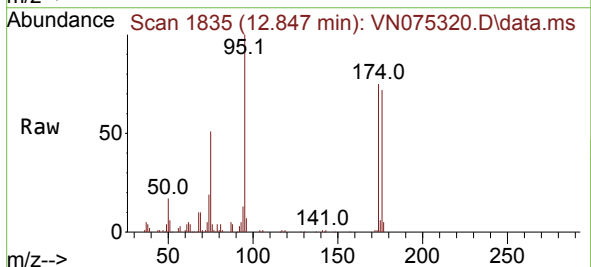
Instrument :
MSVOA_N
ClientSampleId :

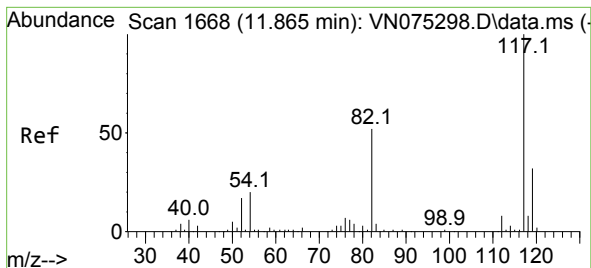
Tgt Ion: 43 Resp: 86928
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 48.738 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

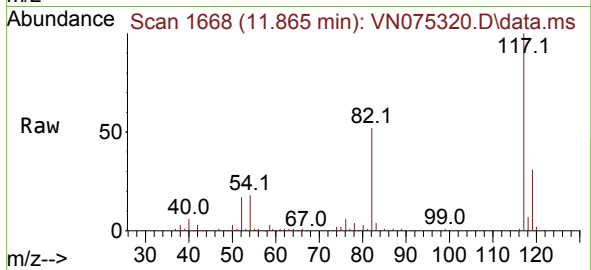
Tgt Ion: 95 Resp: 110039
Ion Ratio Lower Upper
95 100
174 79.0 0.0 147.4
176 75.6 0.0 142.2



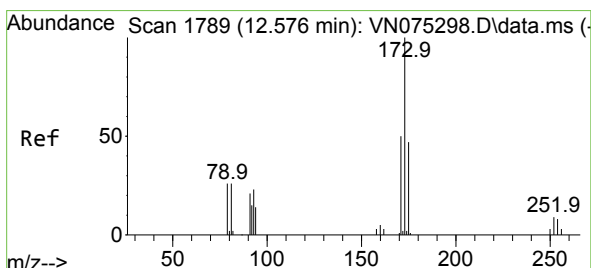
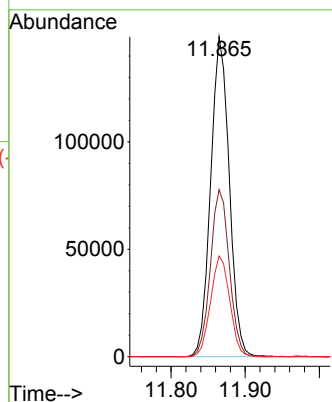
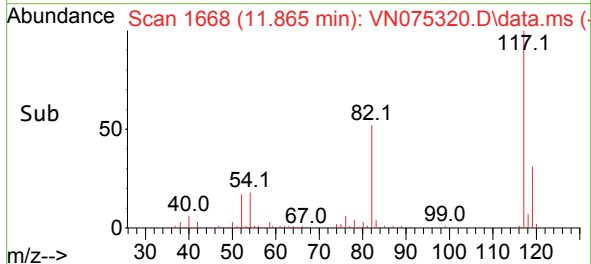


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :

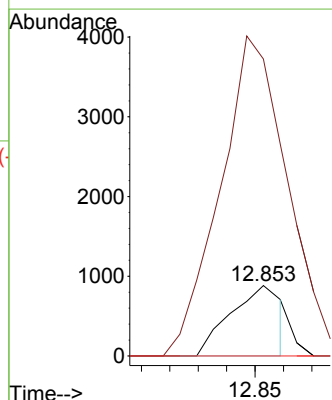
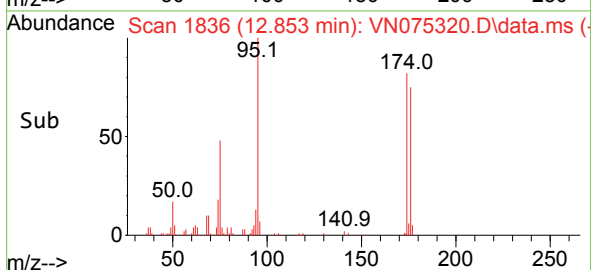
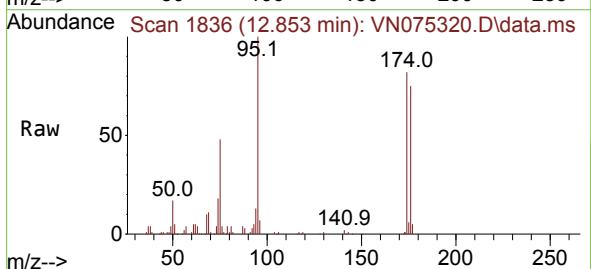


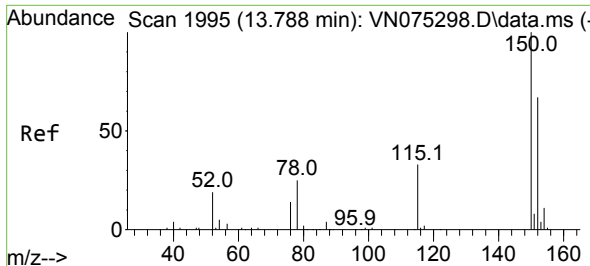
Tgt Ion:117 Resp: 259727
Ion Ratio Lower Upper
117 100
82 52.2 43.1 64.7
119 31.4 25.5 38.3



#71
Bromoform
Concen: 0.721 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.271 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion:173 Resp: 1110
Ion Ratio Lower Upper
173 100
175 507.6 24.6 74.0#
254 0.0 0.0 0.0

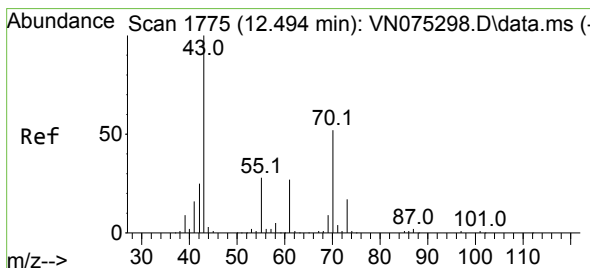
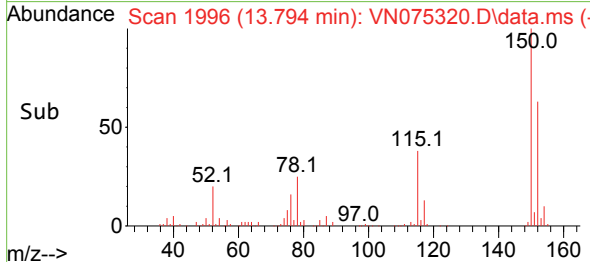
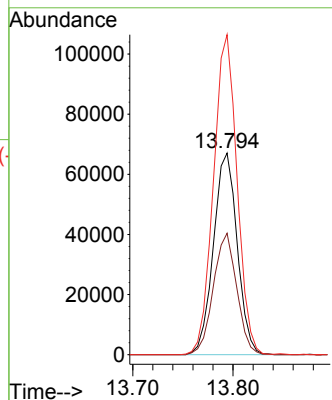
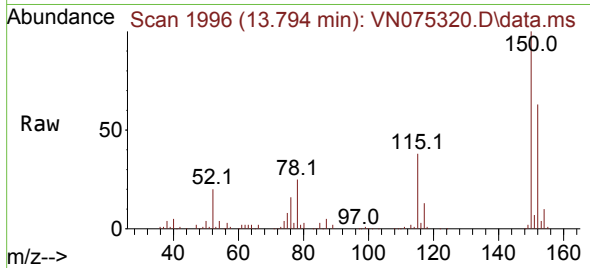




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1995
Delta R.T. 0.000 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

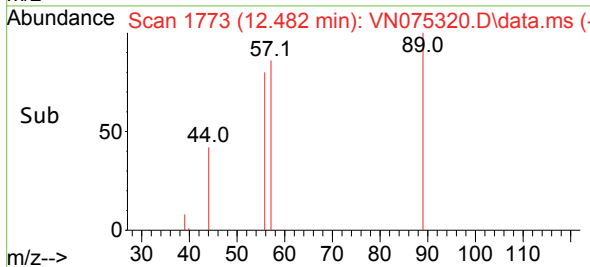
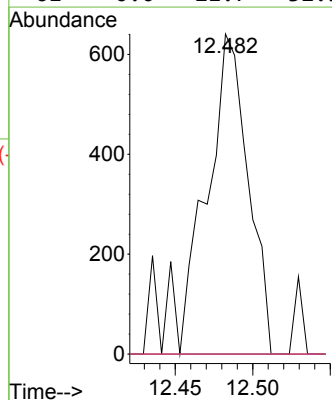
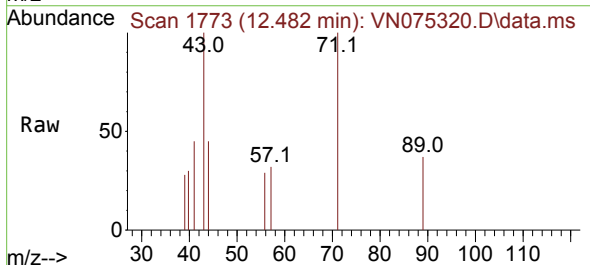
Instrument :
MSVOA_N
ClientSampleId :

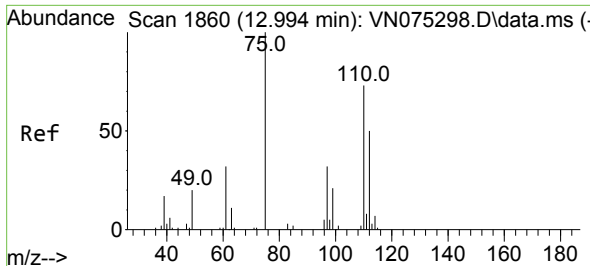
Tgt Ion:152 Resp: 110356
Ion Ratio Lower Upper
152 100
115 59.3 30.2 90.6
150 157.2 0.0 348.4



#74
N-ethyl acetate
Concen: 0.359 ug/l
RT: 12.482 min Scan# 1773
Delta R.T. -0.012 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
70 0.0 39.8 59.8#
55 0.0 19.9 29.9#
61 0.0 21.7 32.5#

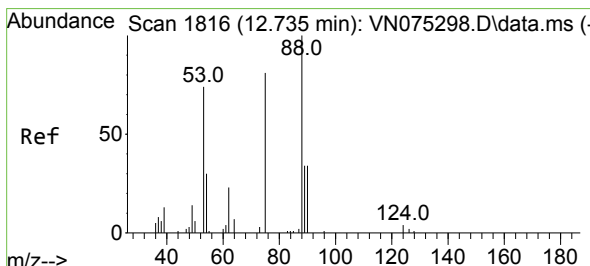
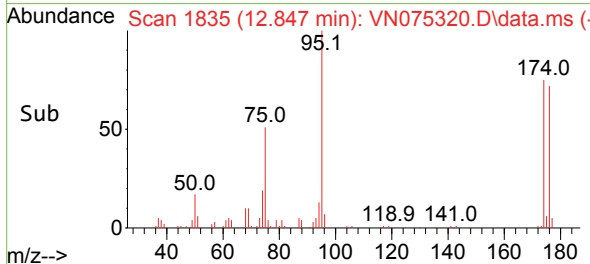
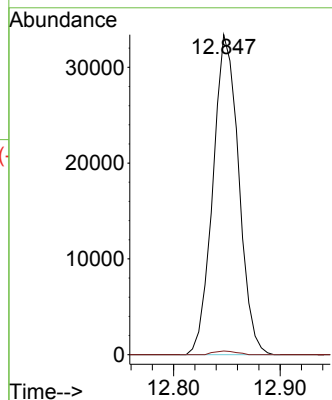
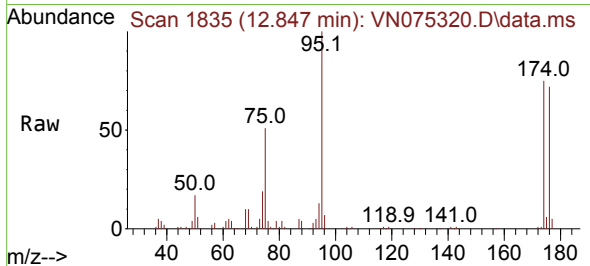




#76
1,2,3-Trichloropropane
Concen: 23.998 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 56231
Ion Ratio Lower Upper
75 100
77 1.0 75.6 226.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.603 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.106 min
Lab File: VN075320.D
Acq: 18 Nov 2022 18:17

Tgt Ion: 75 Resp: 56231
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

