

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
 Data File : VN073328.D
 Acq On : 05 Jul 2022 20:28
 Operator : JC\MD
 Sample : N3564-25
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-16-2-5-GR

Quant Time: Jul 06 01:17:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

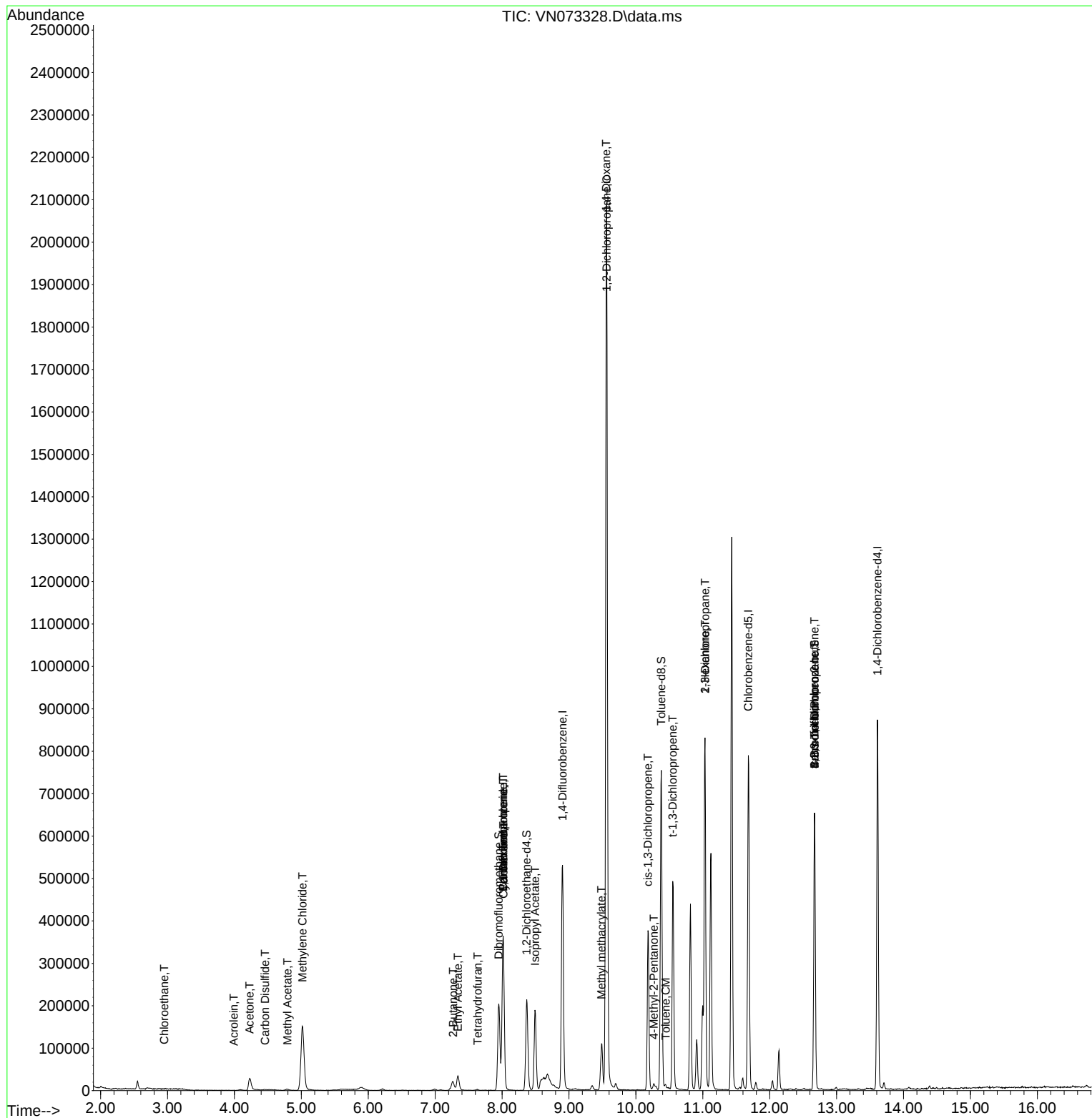
Internal Standards						
1) Pentafluorobenzene	8.016	168	277360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	478559	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	449355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	227650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	177920	44.436	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.880%		
35) Dibromofluoromethane	7.951	113	152775	47.983	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.960%		
50) Toluene-d8	10.380	98	508650	44.981	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.960%		
62) 4-Bromofluorobenzene	12.668	95	226766	52.182	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.360%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.951	64	512	0.260	ug/l #	42
13) Acrolein	3.993	56	188	0.307	ug/l #	54
16) Acetone	4.228	43	55665	24.767	ug/l	94
17) Carbon Disulfide	4.457	76	2596	0.307	ug/l #	71
18) Methyl Acetate	4.793	43	6637	1.054	ug/l #	81
20) Methylene Chloride	5.016	84	122266	30.955	ug/l	89
25) 2-Butanone	7.269	43	34343	9.598	ug/l	90
29) Tetrahydrofuran	7.634	42	1657	0.676	ug/l #	74
31) Cyclohexane	8.022	56	6299	0.961	ug/l #	39
36) 1,1-Dichloropropene	8.016	75	23315	4.759	ug/l #	49
37) Ethyl Acetate	7.339	43	58525	7.906	ug/l	96
38) Carbon Tetrachloride	8.016	117	28761	5.677	ug/l #	14
43) Isopropyl Acetate	8.492	43	222360	20.901	ug/l #	88
45) 1,2-Dichloropropane	9.563	63	2886	0.749	ug/l #	44
48) Methyl methacrylate	9.486	41	7861	1.596	ug/l #	39
49) 1,4-Dioxane	9.557	88	63	0.674	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	9308	1.380	ug/l	97
52) Toluene	10.445	92	4106	0.439	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	1200	0.215	ug/l #	1
54) cis-1,3-Dichloropropene	10.180	75	66937	11.114	ug/l #	66
57) 1,3-Dichloropropane	11.033	76	7927	1.202	ug/l #	42
59) 2-Hexanone	11.033	43	123135	23.944	ug/l #	45
71) Bromoform	12.668	173	1690	0.618	ug/l #	1
76) 1,2,3-Trichloropropane	12.668	75	121444	20.402	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	121444	55.951	ug/l #	10

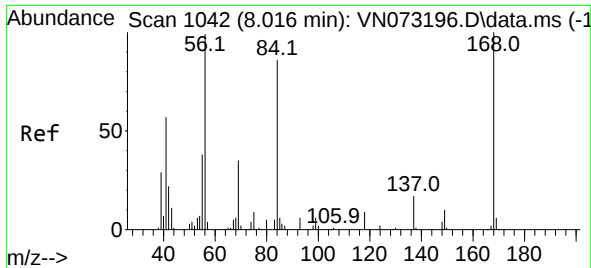
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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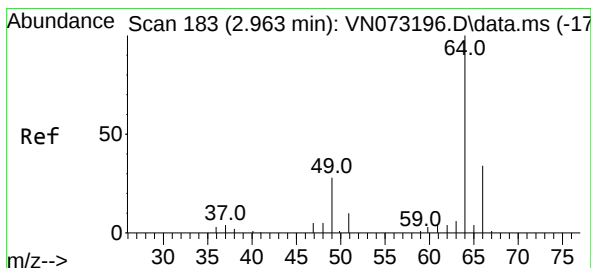
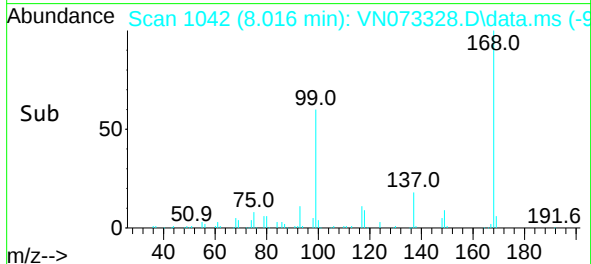
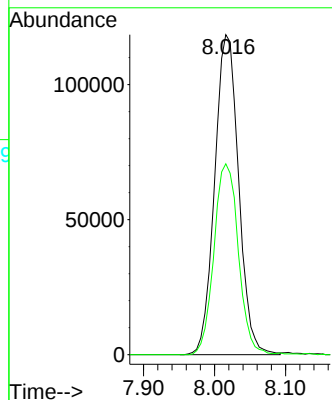
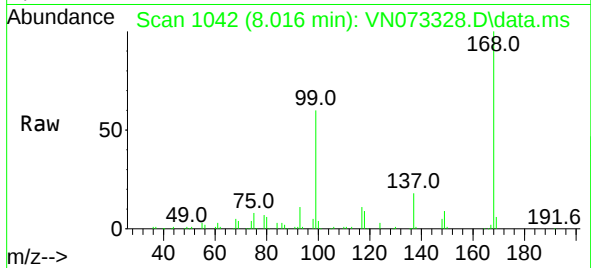




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

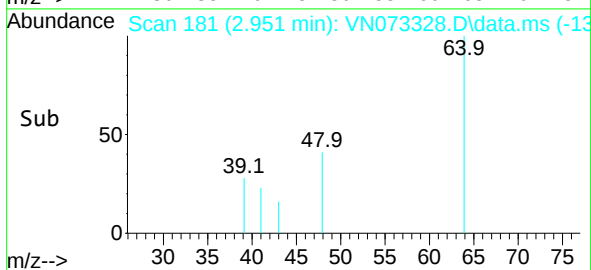
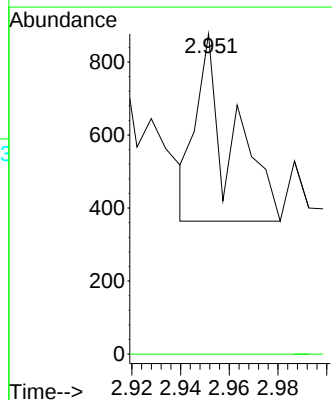
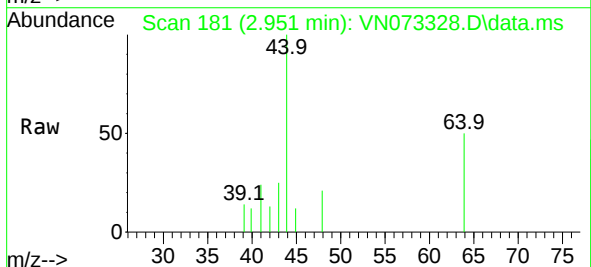
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-5-GR

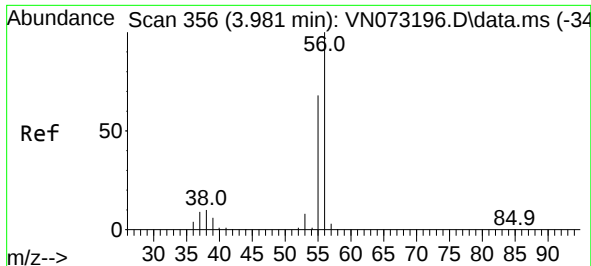
Tgt Ion:168 Resp: 277360
Ion Ratio Lower Upper
168 100
99 59.6 42.3 63.5



#6
Chloroethane
Concen: 0.260 ug/l
RT: 2.951 min Scan# 181
Delta R.T. -0.012 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Tgt Ion: 64 Resp: 512
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#





#13

Acrolein

Concen: 0.307 ug/l

RT: 3.993 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN073328.D

Acq: 05 Jul 2022 20:28

Instrument :

MSVOA_N

ClientSampleId :

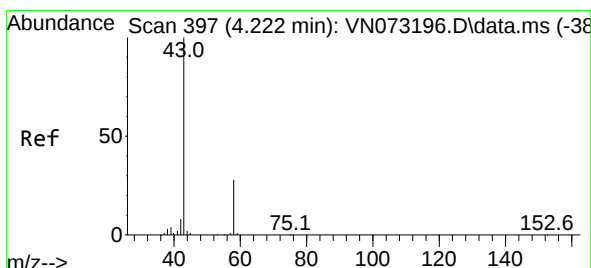
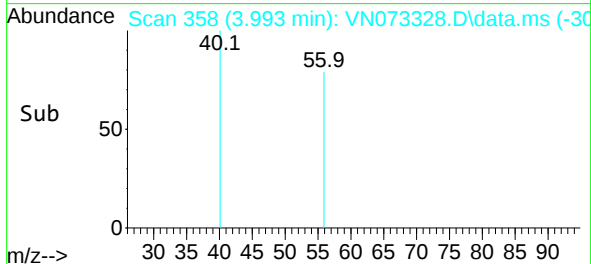
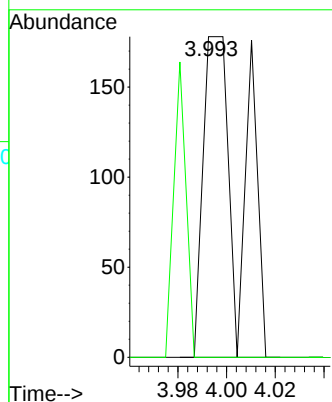
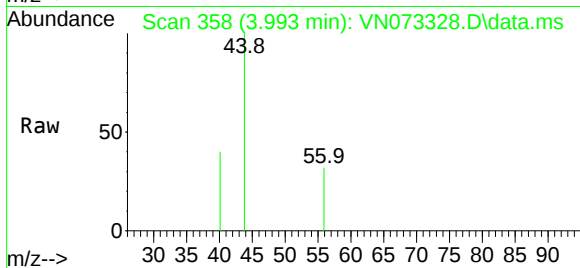
WC-16-2-5-GR

Tgt Ion: 56 Resp: 188

Ion Ratio Lower Upper

56 100

55 30.9 54.8 82.2#



#16

Acetone

Concen: 24.767 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073328.D

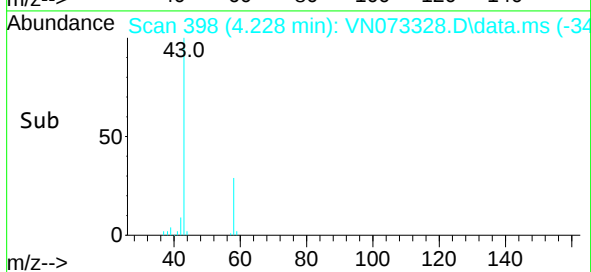
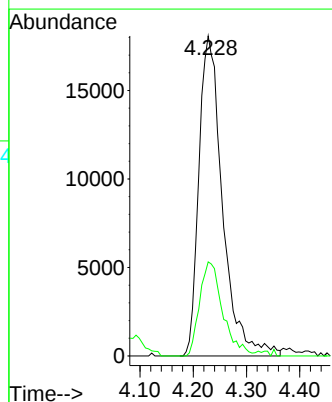
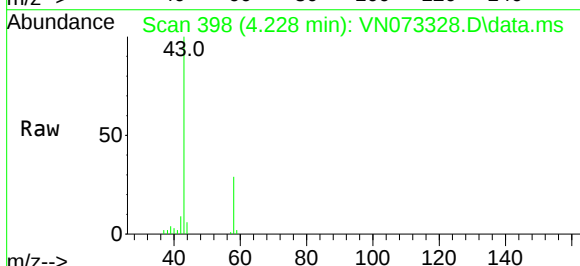
Acq: 05 Jul 2022 20:28

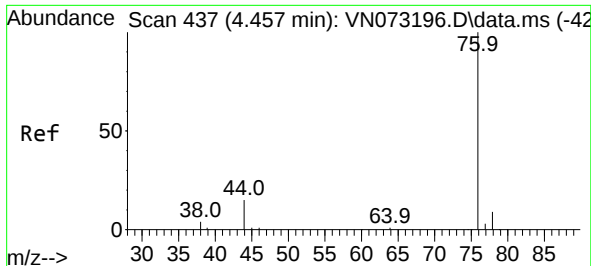
Tgt Ion: 43 Resp: 55665

Ion Ratio Lower Upper

43 100

58 29.4 26.0 39.0





#17

Carbon Disulfide

Concen: 0.307 ug/l

RT: 4.457 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN073328.D

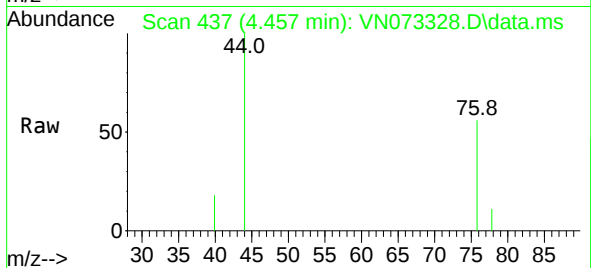
Acq: 05 Jul 2022 20:28

Instrument :

MSVOA_N

ClientSampleId :

WC-16-2-5-GR

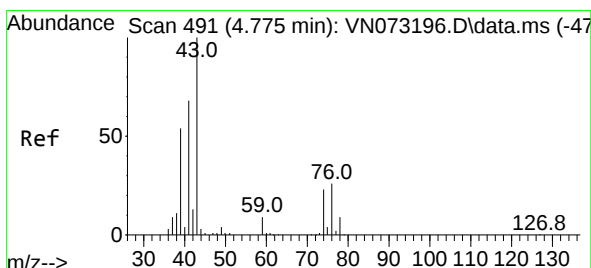
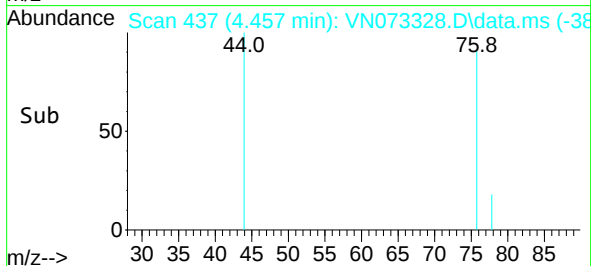
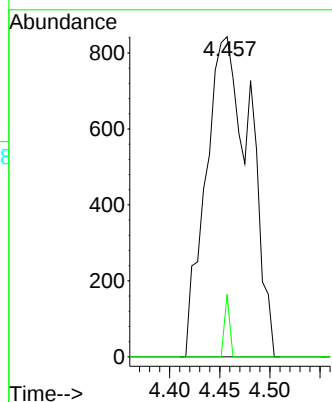


Tgt Ion: 76 Resp: 2596

Ion Ratio Lower Upper

76 100

78 19.5 7.2 10.8#



#18

Methyl Acetate

Concen: 1.054 ug/l

RT: 4.793 min Scan# 494

Delta R.T. 0.018 min

Lab File: VN073328.D

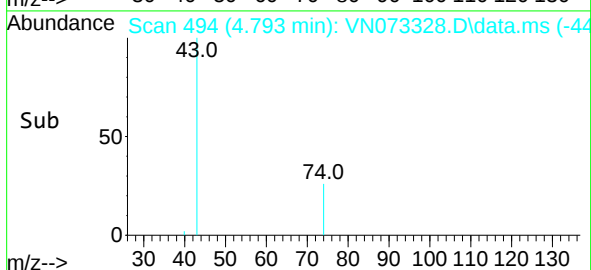
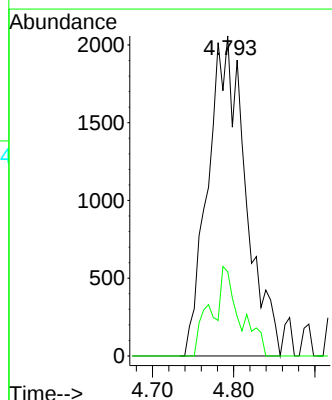
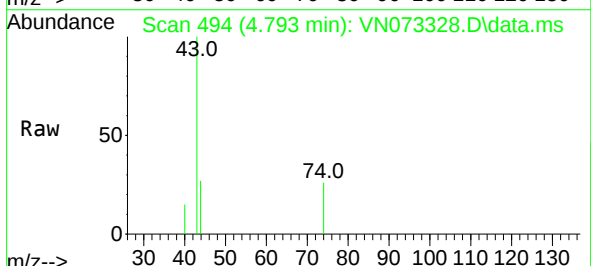
Acq: 05 Jul 2022 20:28

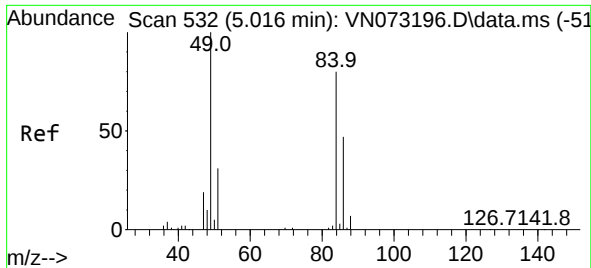
Tgt Ion: 43 Resp: 6637

Ion Ratio Lower Upper

43 100

74 17.1 21.6 32.4#



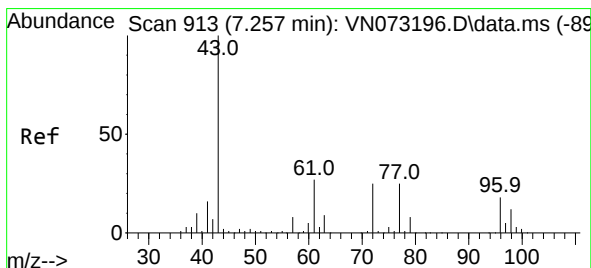
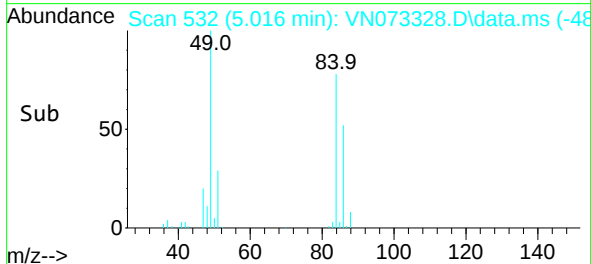
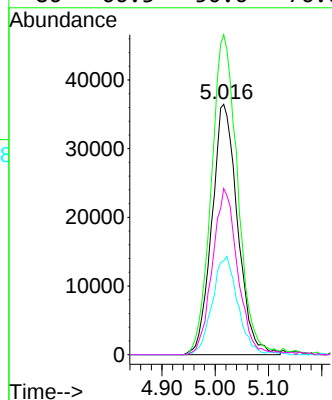
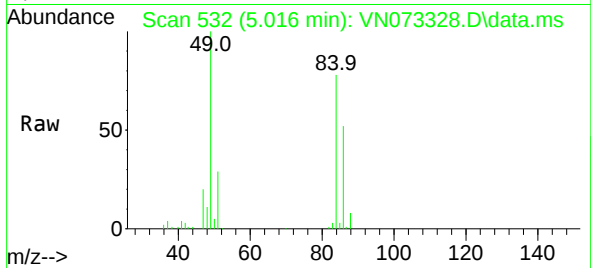


#20
Methylene Chloride
Concen: 30.955 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-5-GR

Tgt Ion: 84 Resp: 122266

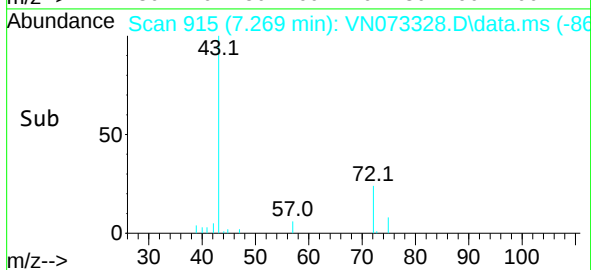
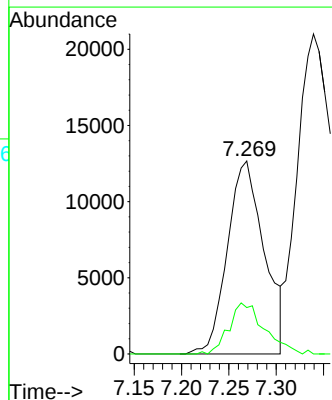
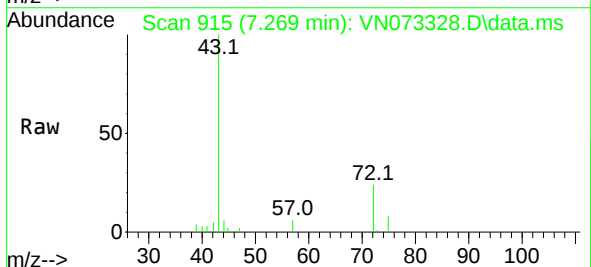
Ion	Ratio	Lower	Upper
84	100		
49	127.8	88.3	132.5
51	37.5	28.2	42.2
86	66.3	50.6	76.0

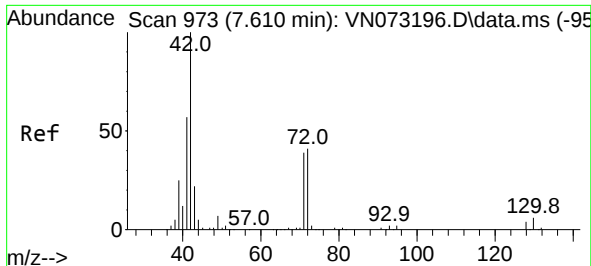


#25
2-Butanone
Concen: 9.598 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Tgt Ion: 43 Resp: 34343

Ion	Ratio	Lower	Upper
43	100		
72	24.1	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.676 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN073328.D

Acq: 05 Jul 2022 20:28

Instrument :

MSVOA_N

ClientSampleId :

WC-16-2-5-GR

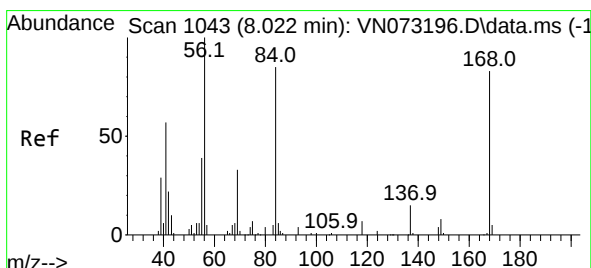
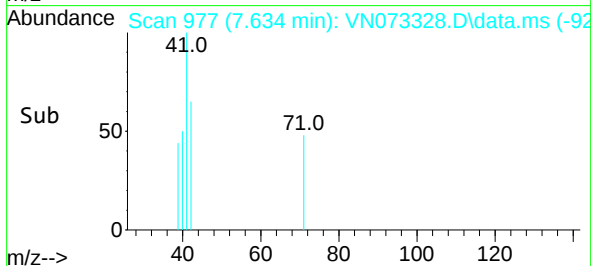
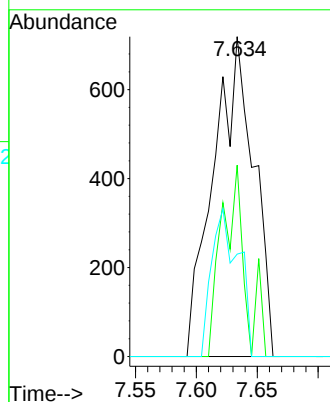
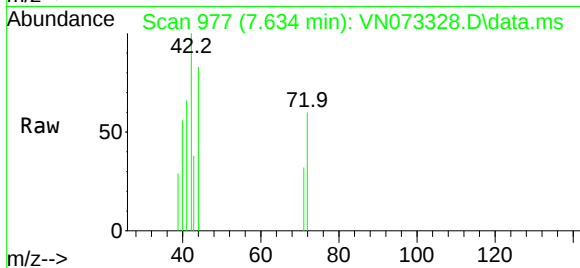
Tgt Ion: 42 Resp: 1657

Ion Ratio Lower Upper

42 100

72 29.7 39.7 59.5#

71 30.8 36.6 55.0#



#31

Cyclohexane

Concen: 0.961 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073328.D

Acq: 05 Jul 2022 20:28

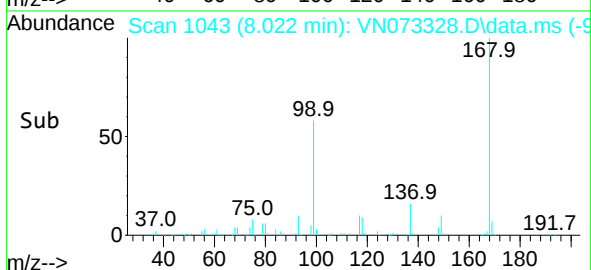
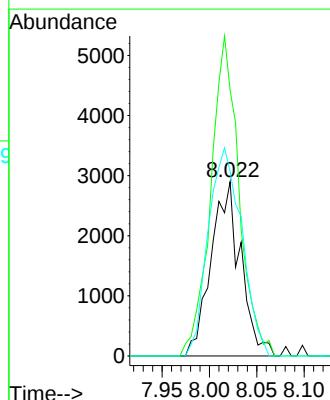
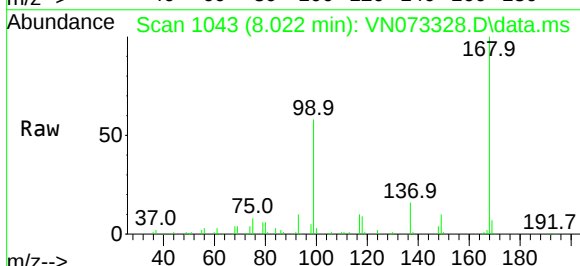
Tgt Ion: 56 Resp: 6299

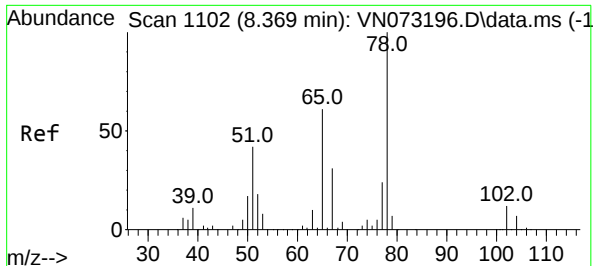
Ion Ratio Lower Upper

56 100

69 152.5 27.8 41.8#

84 105.9 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.436 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073328.D

Acq: 05 Jul 2022 20:28

Instrument :

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ClientSampleId :

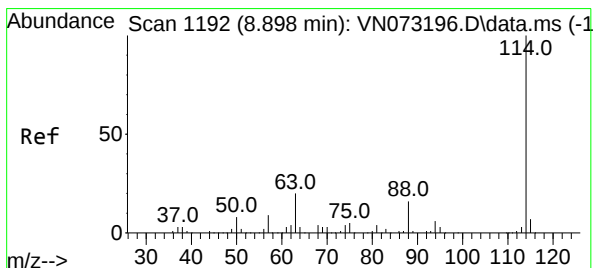
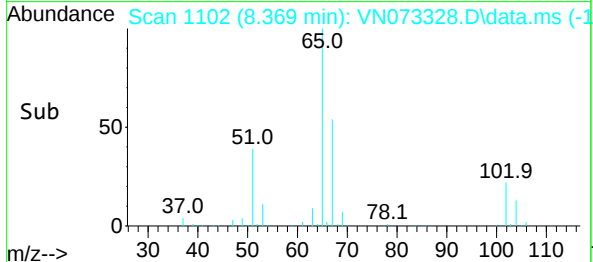
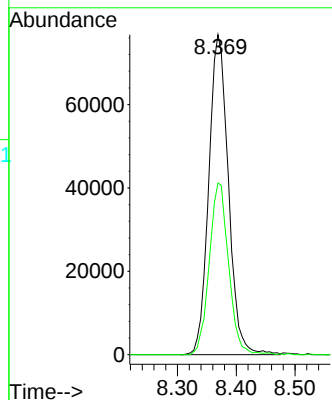
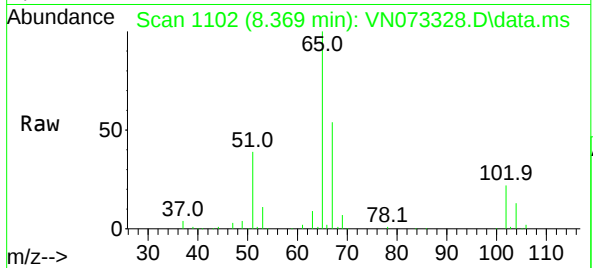
WC-16-2-5-GR

Tgt Ion: 65 Resp: 177920

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073328.D

Acq: 05 Jul 2022 20:28

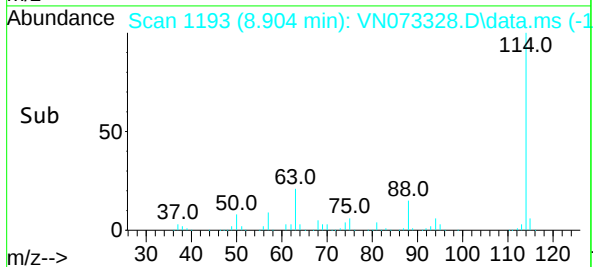
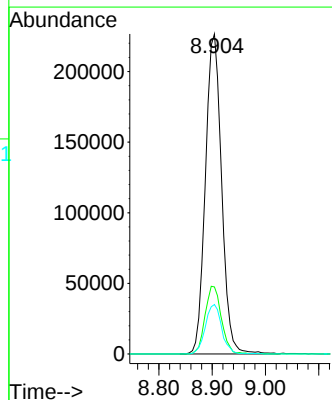
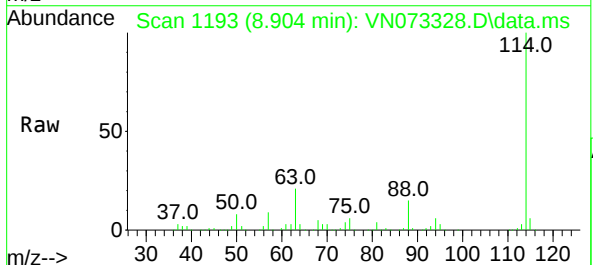
Tgt Ion: 114 Resp: 478559

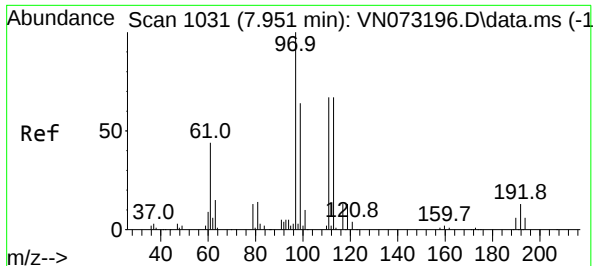
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.983 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073328.D

Acq: 05 Jul 2022 20:28

Instrument :

MSVOA_N

ClientSampleId :

WC-16-2-5-GR

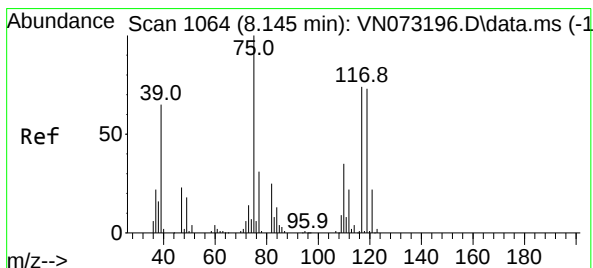
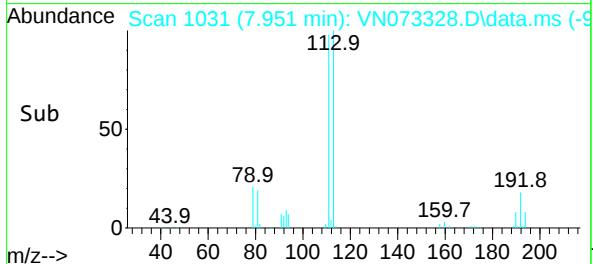
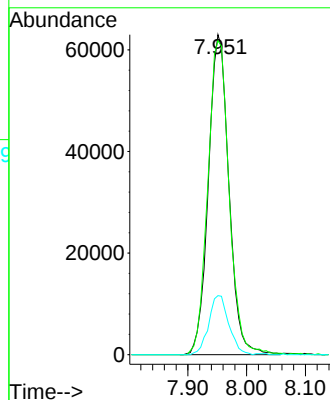
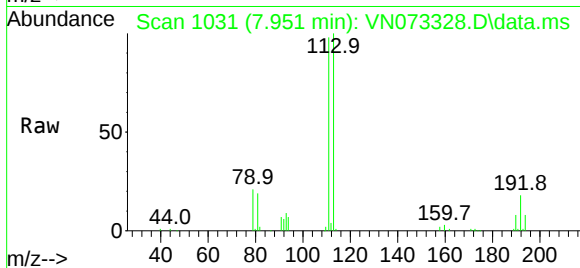
Tgt Ion:113 Resp: 152775

Ion Ratio Lower Upper

113 100

111 102.0 81.4 122.0

192 18.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.759 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073328.D

Acq: 05 Jul 2022 20:28

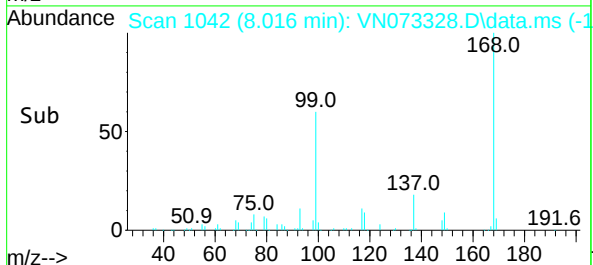
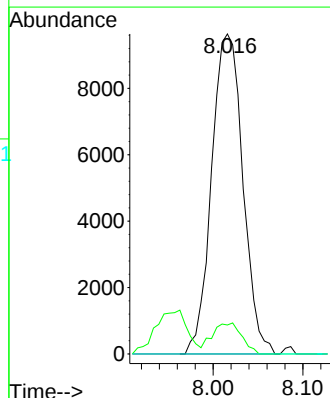
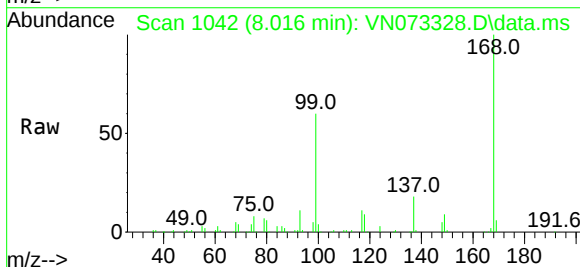
Tgt Ion: 75 Resp: 23315

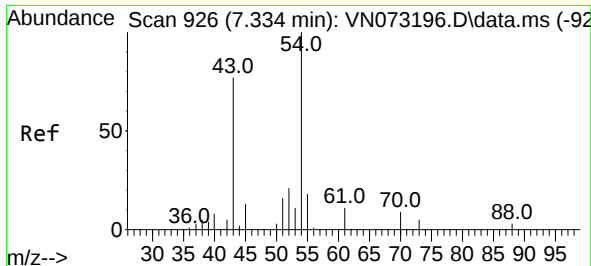
Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#

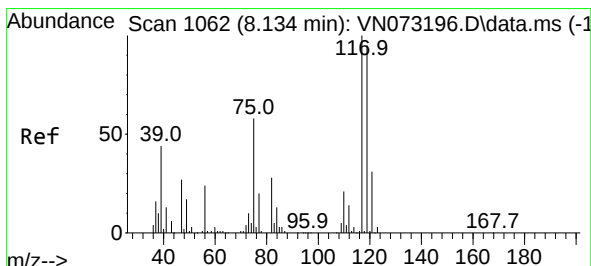
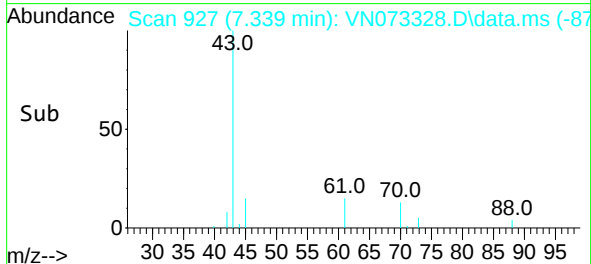
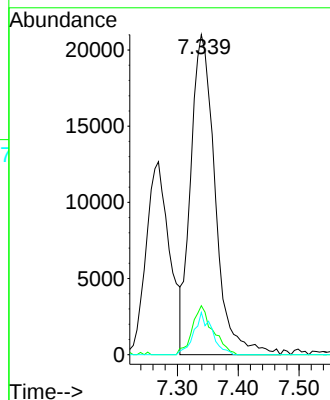
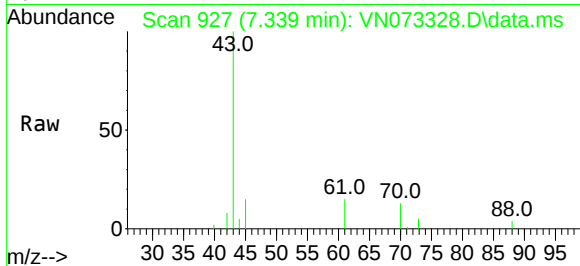




#37
Ethyl Acetate
Concen: 7.906 ug/l
RT: 7.339 min Scan# 91
Delta R.T. 0.005 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

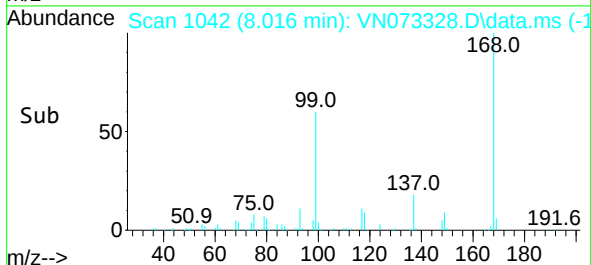
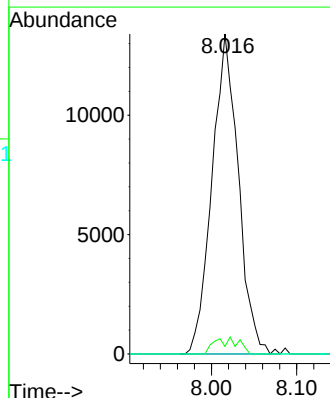
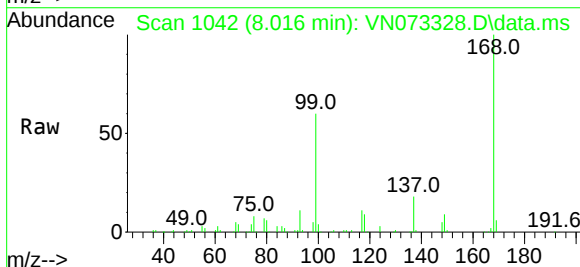
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-5-GR

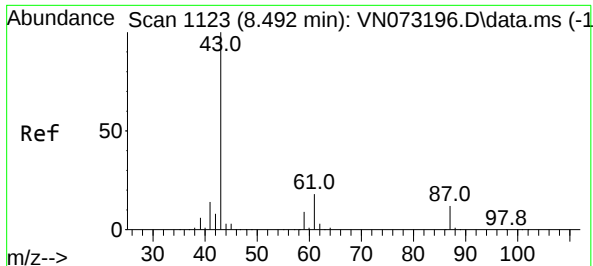
Tgt Ion: 43 Resp: 58525
Ion Ratio Lower Upper
43 100
61 12.9 11.8 17.6
70 9.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 5.677 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Tgt Ion: 117 Resp: 28761
Ion Ratio Lower Upper
117 100
119 2.4 75.8 113.8#
121 0.0 24.6 37.0#

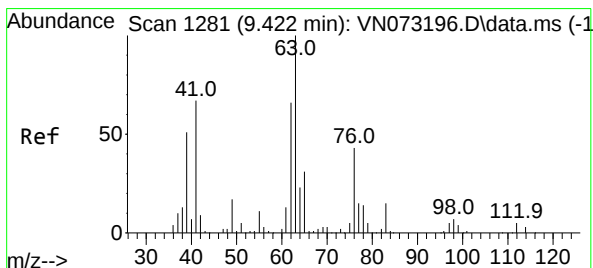
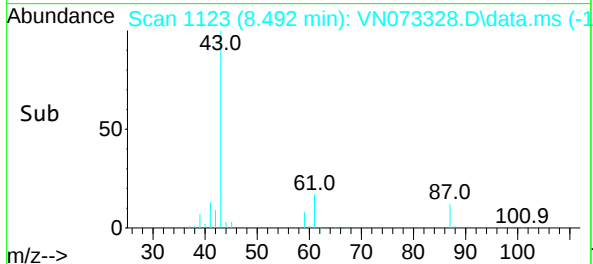
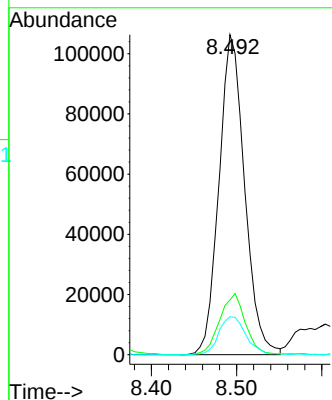
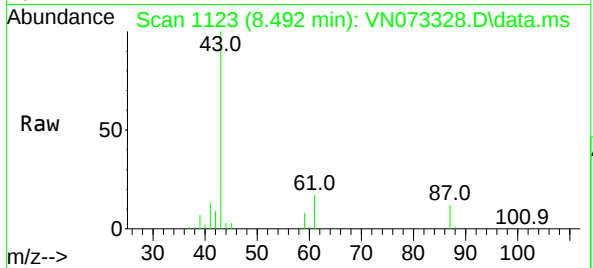




#43
Isopropyl Acetate
Concen: 20.901 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

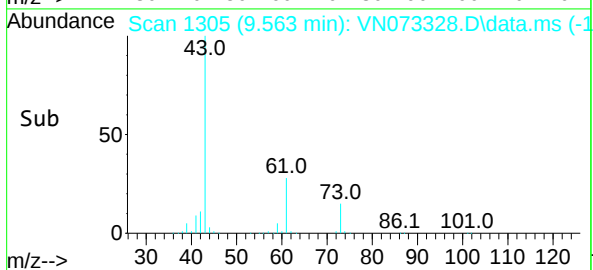
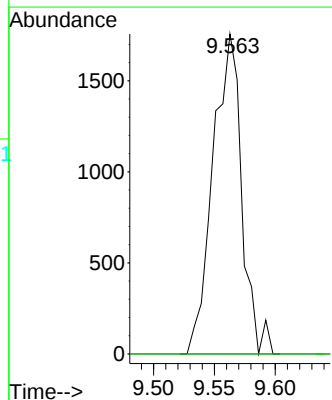
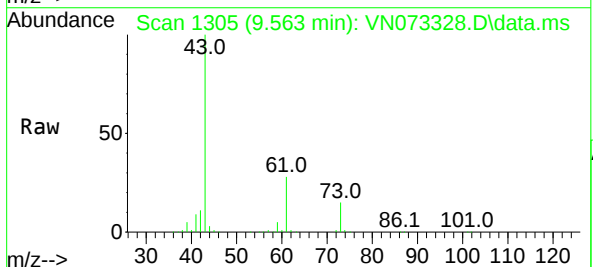
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-5-GR

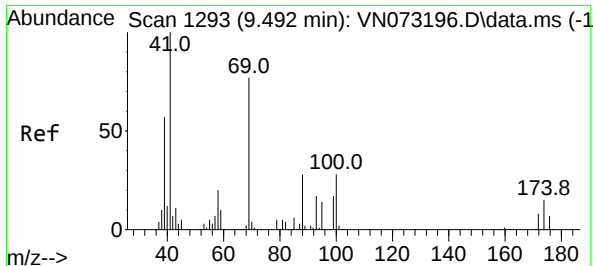
Tgt Ion: 43 Resp: 222360
Ion Ratio Lower Upper
43 100
61 19.2 21.9 32.9#
87 12.6 12.0 18.0



#45
1,2-Dichloropropane
Concen: 0.749 ug/l
RT: 9.563 min Scan# 1305
Delta R.T. 0.141 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Tgt Ion: 63 Resp: 2886
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

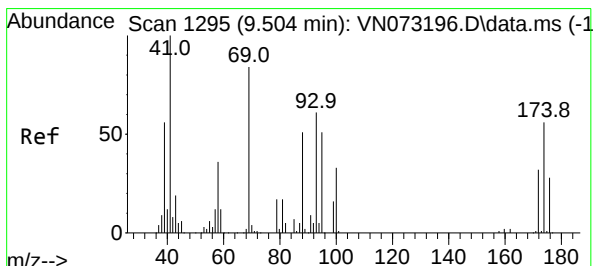
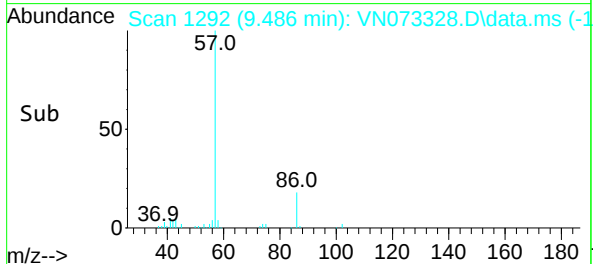
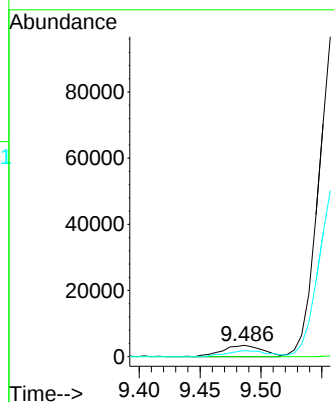
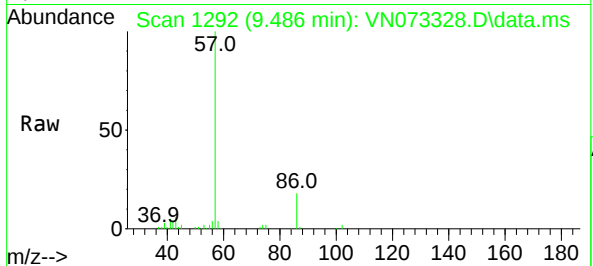




#48
Methyl methacrylate
Concen: 1.596 ug/l
RT: 9.486 min Scan# 1304
Delta R.T. -0.006 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

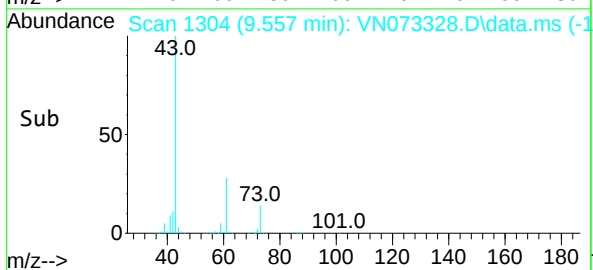
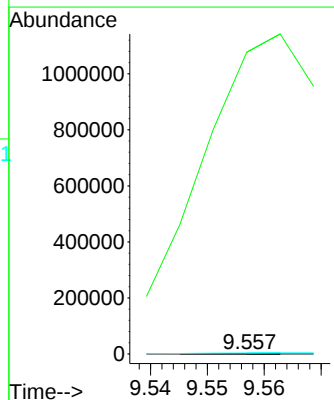
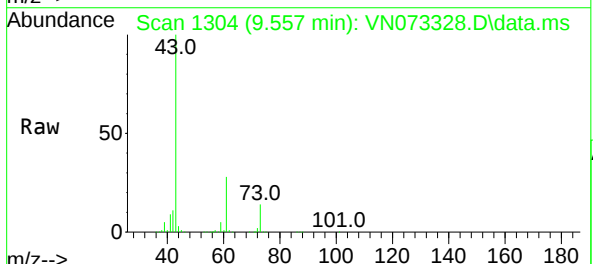
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-5-GR

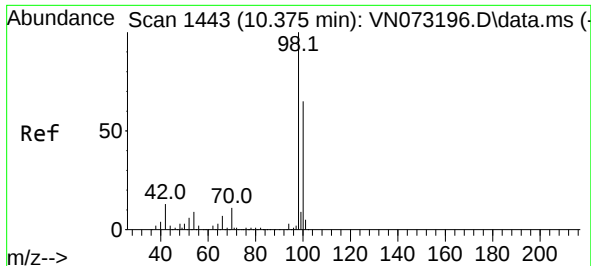
Tgt Ion: 41 Resp: 7861
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 55.2 45.6 68.4



#49
1,4-Dioxane
Concen: 0.674 ug/l
RT: 9.557 min Scan# 1304
Delta R.T. 0.053 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 3379427.0 20.2 30.4#
58 12706.3 54.2 81.4#

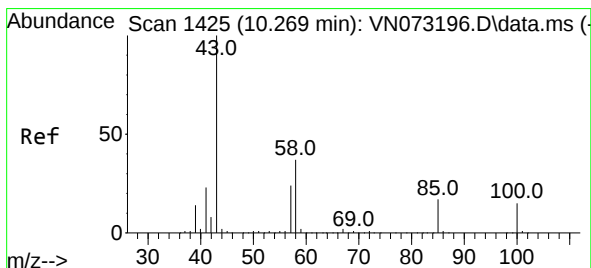
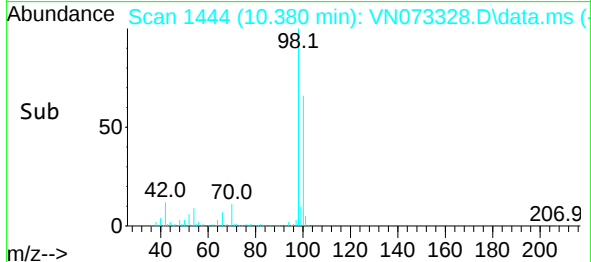
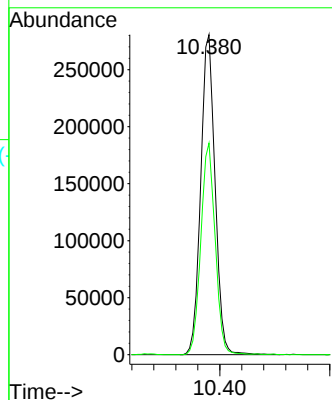
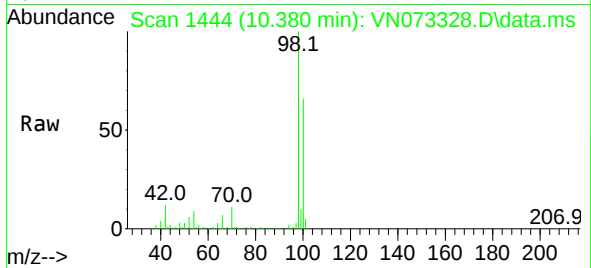




#50
Toluene-d8
Concen: 44.981 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

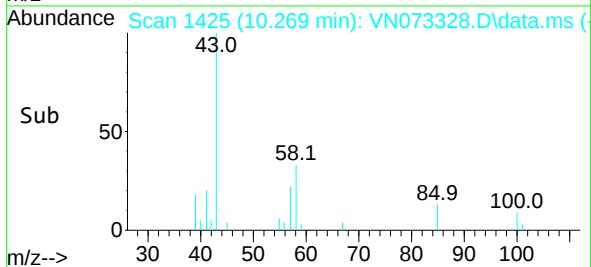
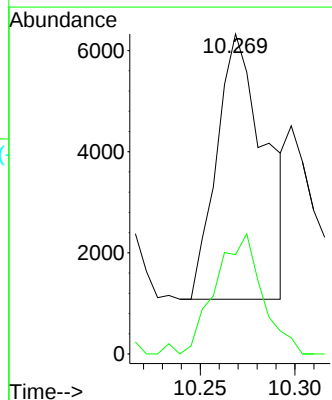
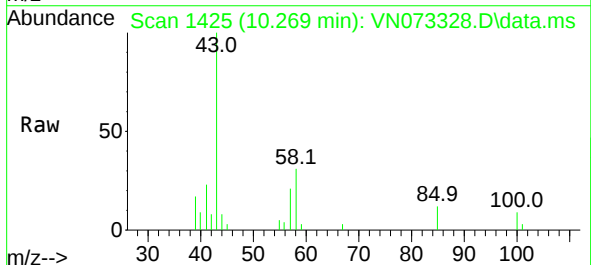
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-5-GR

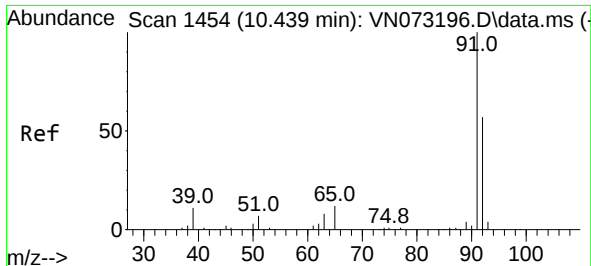
Tgt Ion: 98 Resp: 508650
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.380 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Tgt Ion: 43 Resp: 9308
Ion Ratio Lower Upper
43 100
58 44.3 34.1 51.1

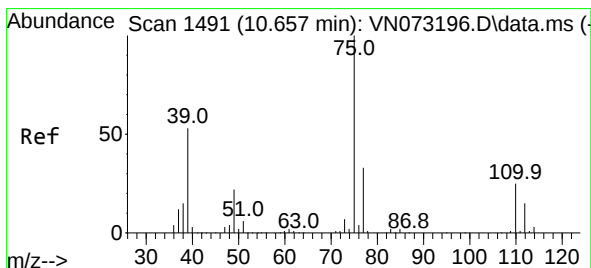
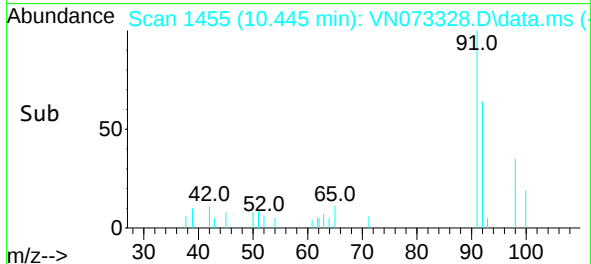
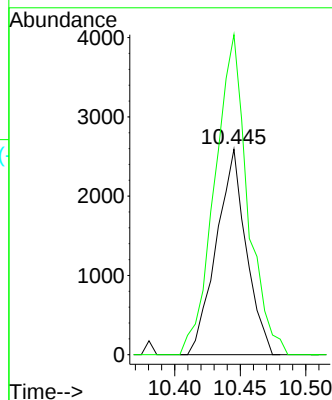
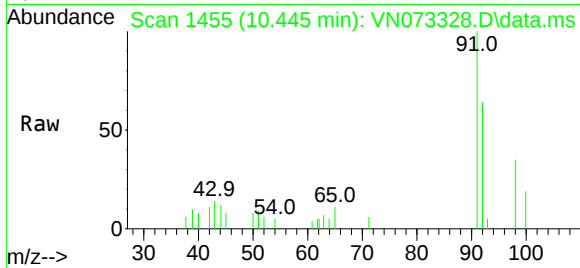




#52
Toluene
Concen: 0.439 ug/l
RT: 10.445 min Scan# 1454
Delta R.T. 0.006 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

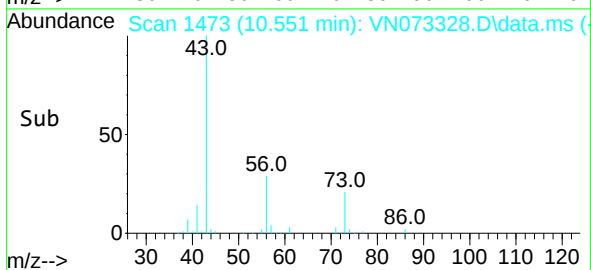
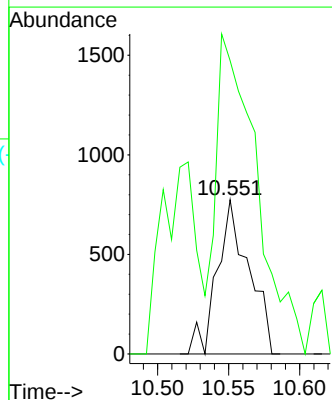
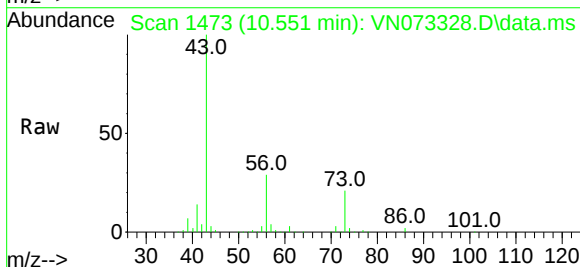
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-5-GR

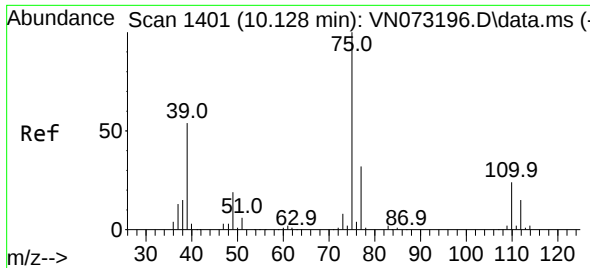
Tgt Ion: 92 Resp: 4106
Ion Ratio Lower Upper
92 100
91 172.1 138.6 207.8



#53
t-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 10.551 min Scan# 1473
Delta R.T. -0.106 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Tgt Ion: 75 Resp: 1200
Ion Ratio Lower Upper
75 100
77 156.4 25.6 38.4#

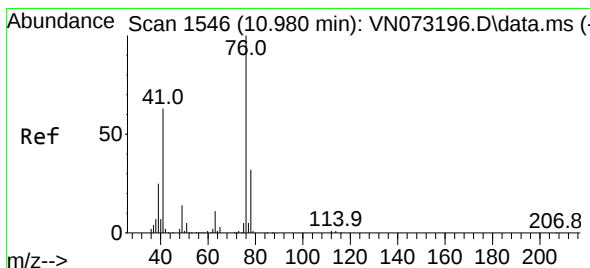
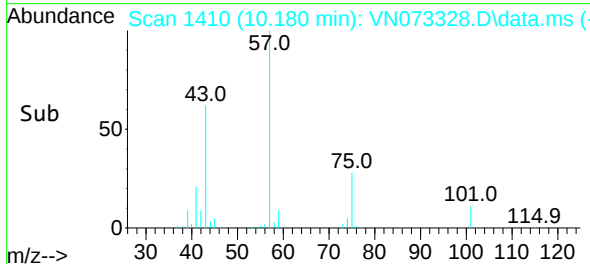
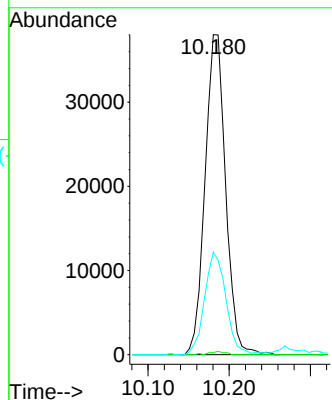
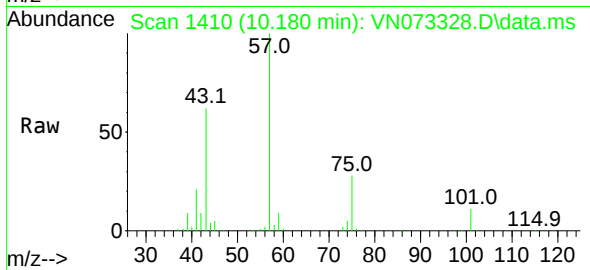




#54
 cis-1,3-Dichloropropene
 Concen: 11.114 ug/l
 RT: 10.180 min Scan# 1410
 Delta R.T. 0.052 min
 Lab File: VN073328.D
 Acq: 05 Jul 2022 20:28

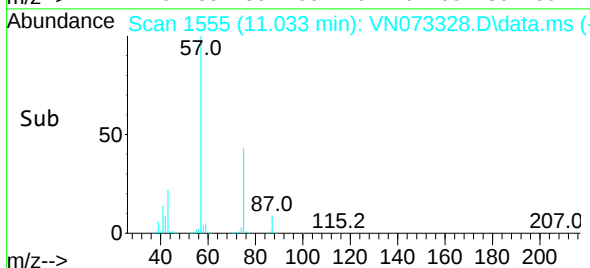
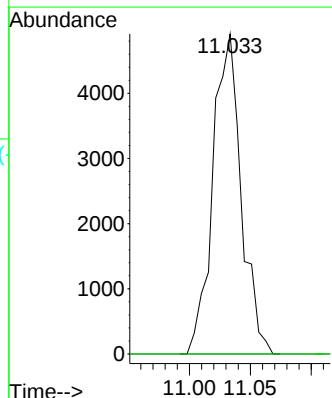
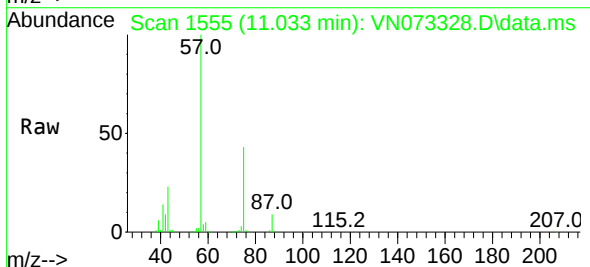
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-16-2-5-GR

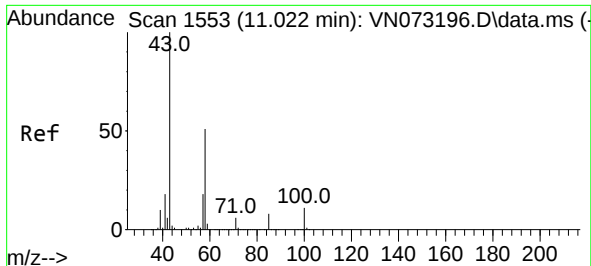
Tgt Ion: 75 Resp: 66937
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.2 37.8#
 39 32.0 35.7 53.5#



#57
 1,3-Dichloropropane
 Concen: 1.202 ug/l
 RT: 11.033 min Scan# 1555
 Delta R.T. 0.053 min
 Lab File: VN073328.D
 Acq: 05 Jul 2022 20:28

Tgt Ion: 76 Resp: 7927
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

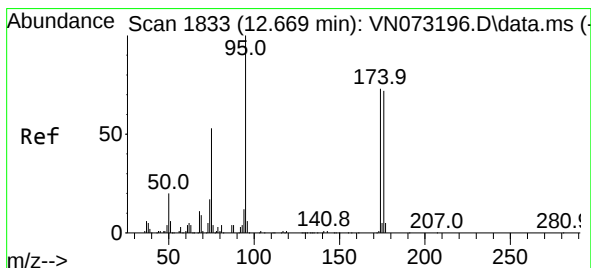
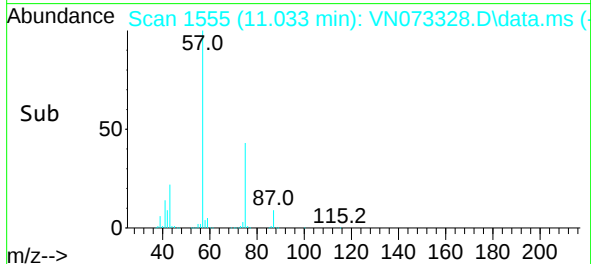
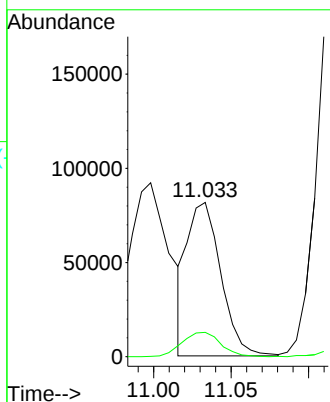
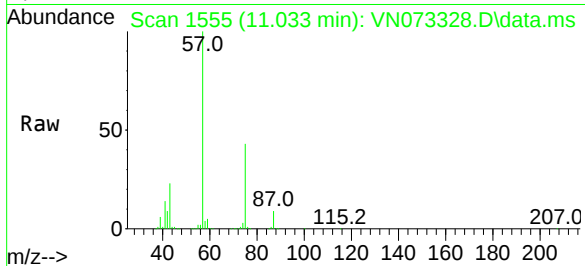




#59
2-Hexanone
Concen: 23.944 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

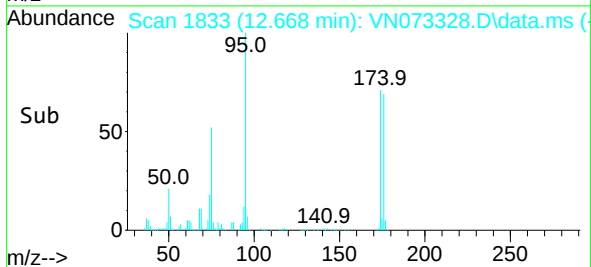
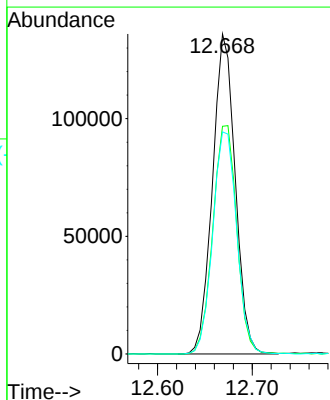
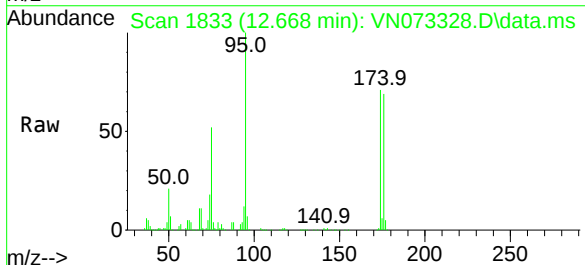
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-5-GR

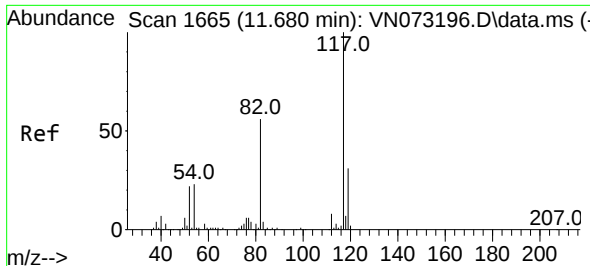
Tgt Ion: 43 Resp: 123135
Ion Ratio Lower Upper
43 100
58 18.3 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 52.182 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Tgt Ion: 95 Resp: 226766
Ion Ratio Lower Upper
95 100
174 75.3 0.0 167.6
176 73.4 0.0 163.4

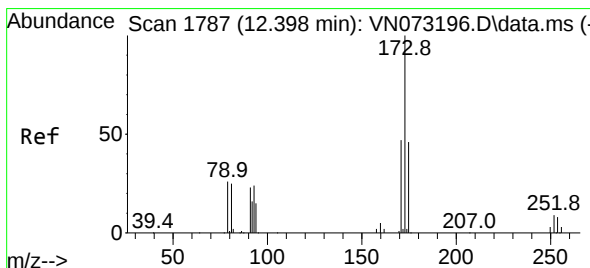
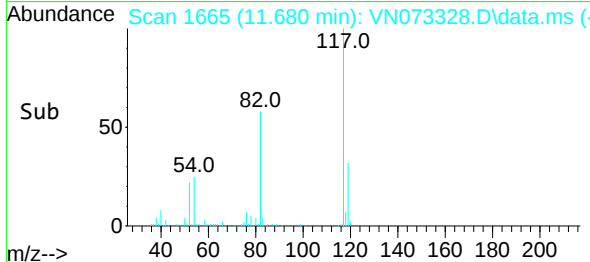
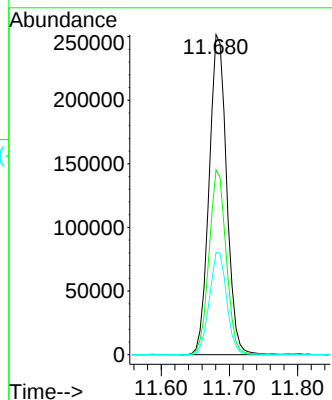
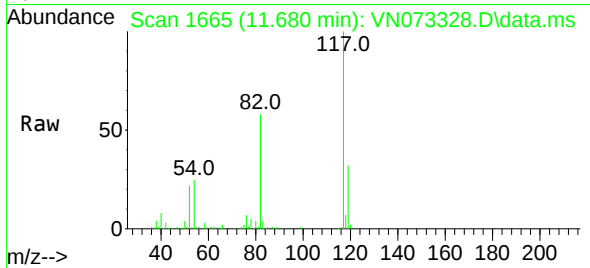




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

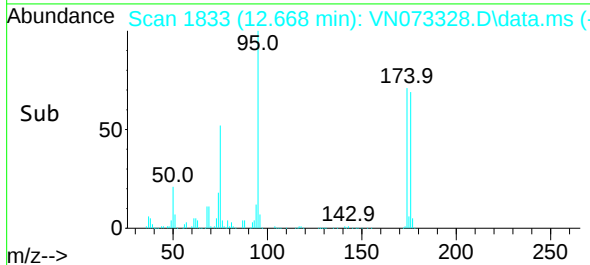
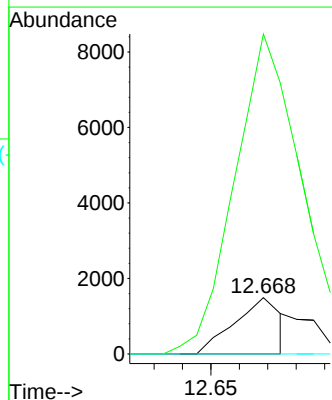
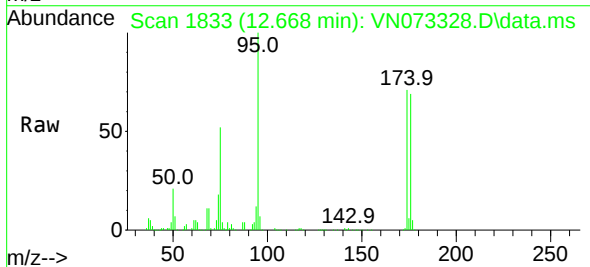
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-5-GR

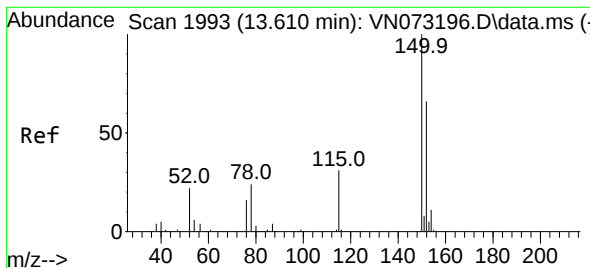
Tgt Ion:117 Resp: 449355
Ion Ratio Lower Upper
117 100
82 57.7 44.2 66.2
119 31.9 25.4 38.0



#71
Bromoform
Concen: 0.618 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073328.D
Acq: 05 Jul 2022 20:28

Tgt Ion:173 Resp: 1690
Ion Ratio Lower Upper
173 100
175 592.5 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN073328.D

Acq: 05 Jul 2022 20:28

Instrument :

MSVOA_N

ClientSampleId :

WC-16-2-5-GR

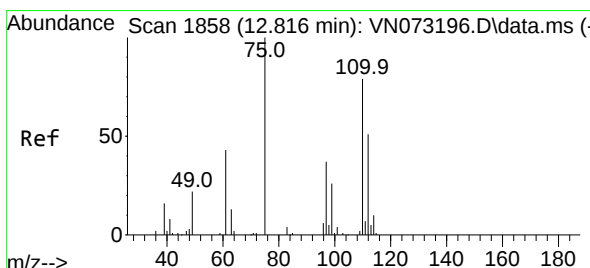
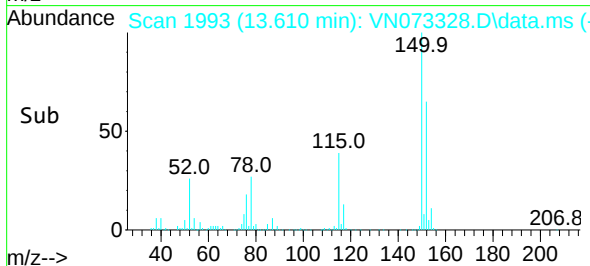
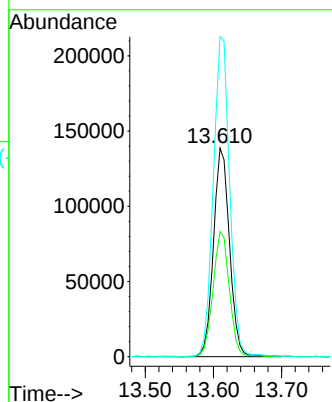
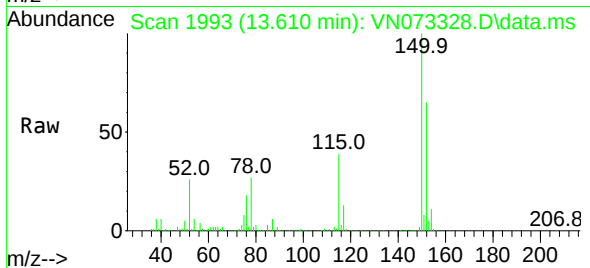
Tgt Ion:152 Resp: 227650

Ion Ratio Lower Upper

152 100

115 60.9 28.9 86.7

150 156.8 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 20.402 ug/l

RT: 12.668 min Scan# 1833

Delta R.T. -0.148 min

Lab File: VN073328.D

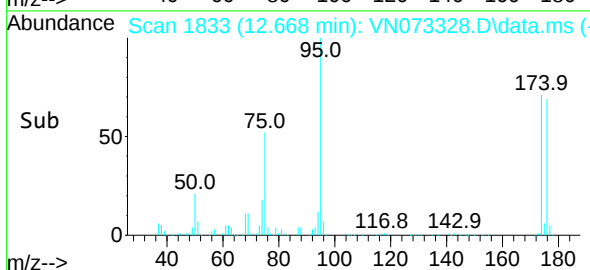
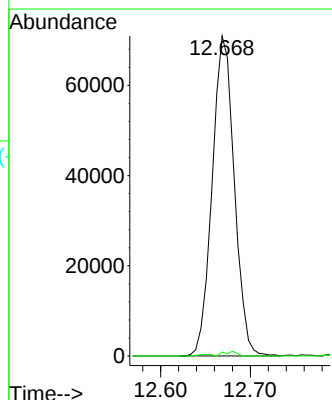
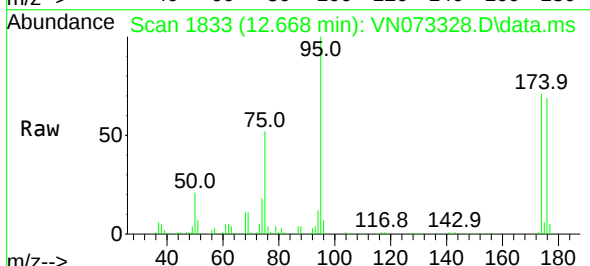
Acq: 05 Jul 2022 20:28

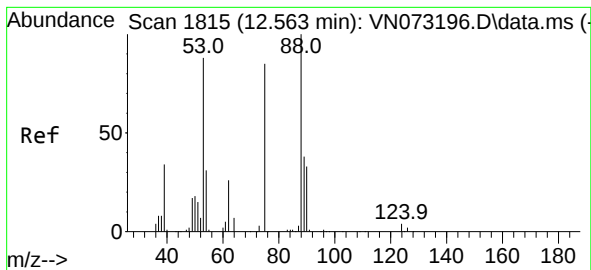
Tgt Ion: 75 Resp: 121444

Ion Ratio Lower Upper

75 100

77 1.2 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.951 ug/l
 RT: 12.668 min Scan# 11
 Delta R.T. 0.105 min
 Lab File: VN073328.D
 Acq: 05 Jul 2022 20:28

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-16-2-5-GR

Tgt Ion: 75 Resp: 121444
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

