

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
 Data File : VN073329.D
 Acq On : 05 Jul 2022 20:52
 Operator : JC\MD
 Sample : N3564-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-16-2-6

Quant Time: Jul 06 01:17:39 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)

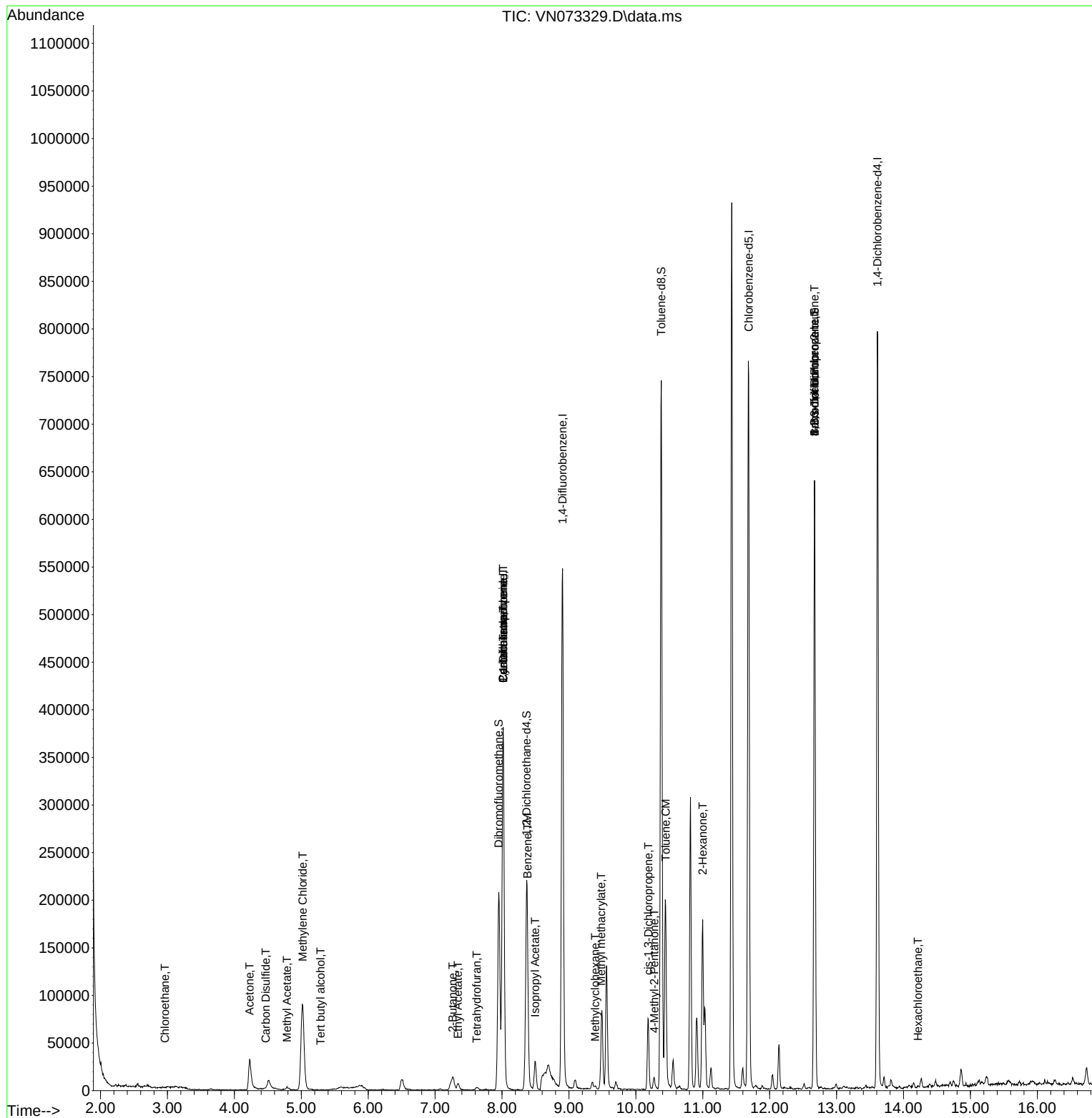
Internal Standards						
1) Pentafluorobenzene	8.016	168	287621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	482002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	445434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	207990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	180080	43.371	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.740%		
35) Dibromofluoromethane	7.951	113	150968	47.077	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.160%		
50) Toluene-d8	10.381	98	504486	44.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.580%		
62) 4-Bromofluorobenzene	12.669	95	220644	50.410	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.820%		
Target Compounds						
					Qvalue	
6) Chloroethane	2.963	64	420	0.206	ug/l #	42
11) Tert butyl alcohol	5.287	59	276	0.274	ug/l #	72
16) Acetone	4.228	43	58845	25.248	ug/l	97
17) Carbon Disulfide	4.469	76	2256	0.257	ug/l #	75
18) Methyl Acetate	4.787	43	6228	0.954	ug/l #	60
20) Methylene Chloride	5.022	84	74772	18.255	ug/l	94
25) 2-Butanone	7.263	43	21835	5.884	ug/l #	86
29) Tetrahydrofuran	7.622	42	2655	1.045	ug/l #	66
31) Cyclohexane	8.016	56	7189	1.057	ug/l #	21
36) 1,1-Dichloropropene	8.016	75	23606	4.784	ug/l #	49
37) Ethyl Acetate	7.340	43	9227	1.238	ug/l	98
38) Carbon Tetrachloride	8.016	117	28987	5.681	ug/l #	17
39) Methylcyclohexane	9.392	83	1579	0.257	ug/l #	76
40) Benzene	8.381	78	8275	0.543	ug/l #	81
43) Isopropyl Acetate	8.492	43	35208	3.286	ug/l #	88
48) Methyl methacrylate	9.481	41	6336	1.277	ug/l #	39
51) 4-Methyl-2-Pentanone	10.275	43	11087	1.632	ug/l #	79
52) Toluene	10.445	92	82748	8.793	ug/l	96
54) cis-1,3-Dichloropropene	10.186	75	13311	2.194	ug/l #	71
59) 2-Hexanone	10.998	43	158935	30.684	ug/l #	21
71) Bromoform	12.669	173	1687	0.622	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	115603	21.256	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	115603	58.295	ug/l #	10
90) Hexachloroethane	14.216	117	1020	0.384	ug/l #	9

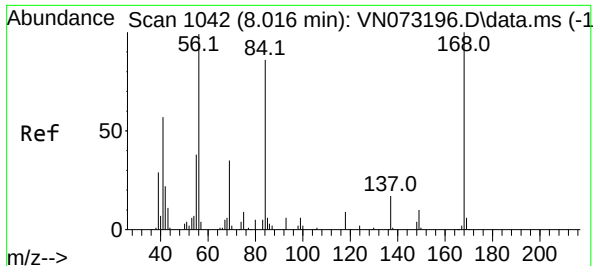
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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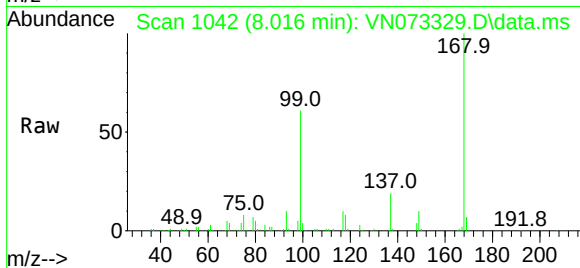
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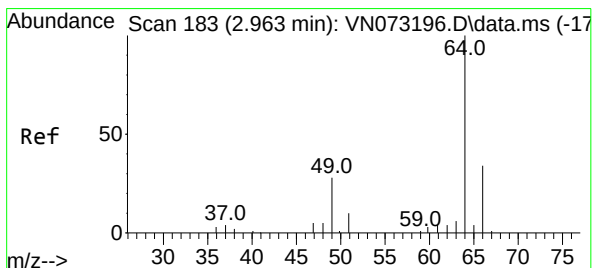
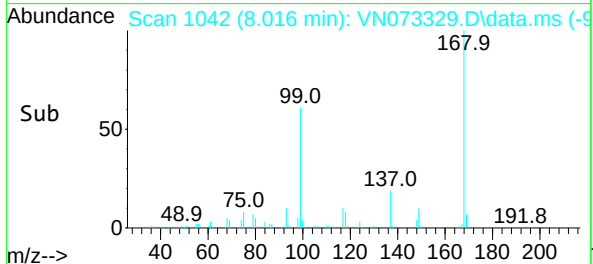
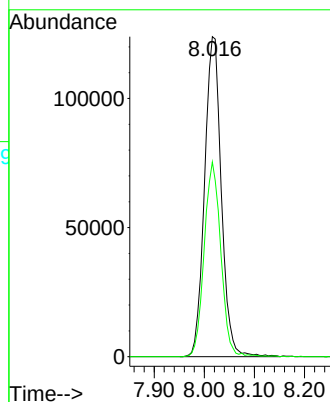


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

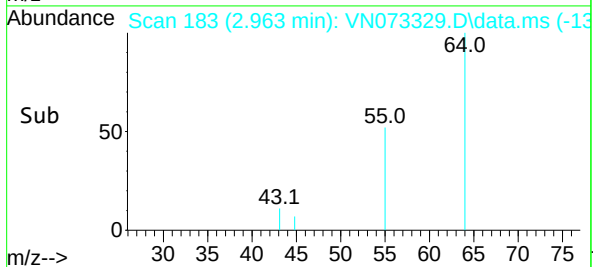
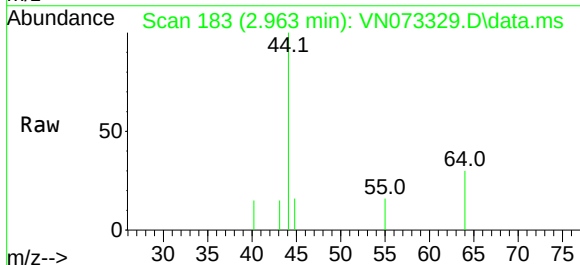


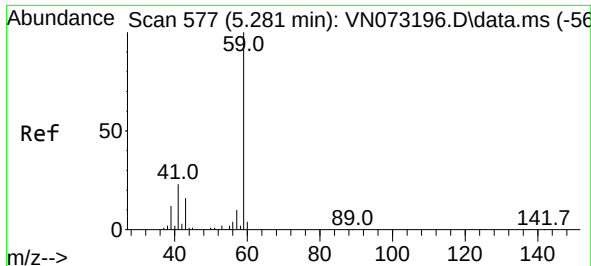
Tgt Ion:168 Resp: 287621
Ion Ratio Lower Upper
168 100
99 60.8 42.3 63.5



#6
Chloroethane
Concen: 0.206 ug/l
RT: 2.963 min Scan# 183
Delta R.T. 0.000 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion: 64 Resp: 420
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

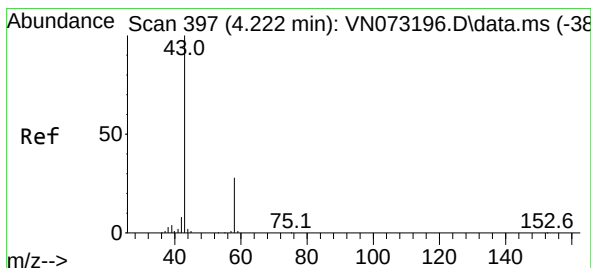
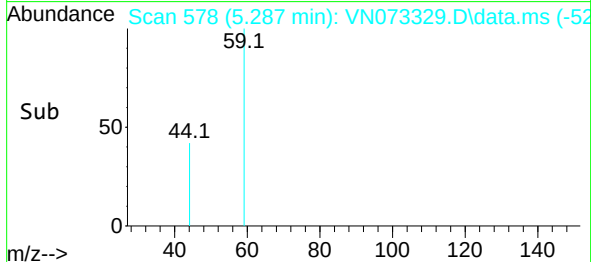
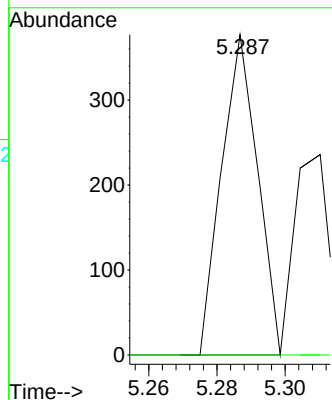
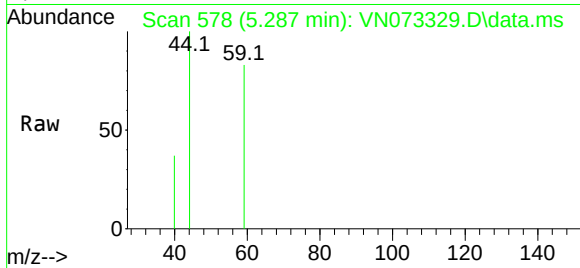




#11
Tert butyl alcohol
Concen: 0.274 ug/l
RT: 5.287 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

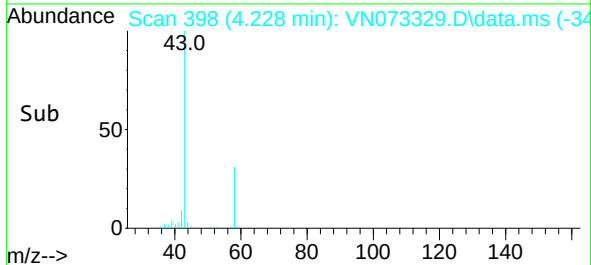
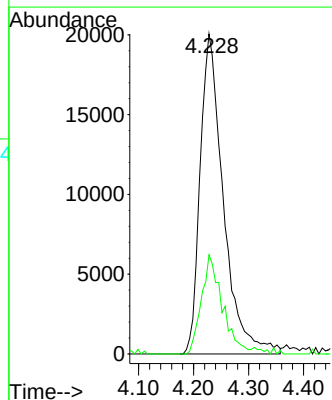
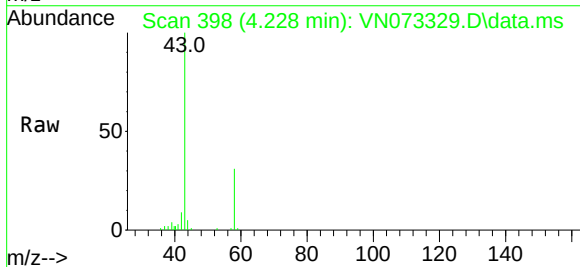
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

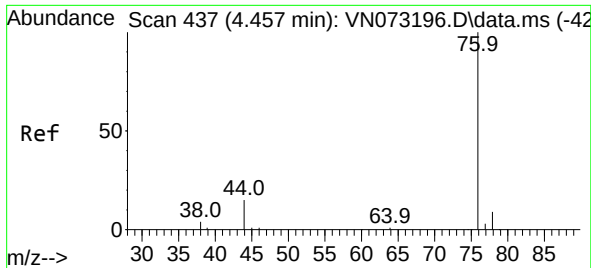
Tgt Ion: 59 Resp: 276
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 25.248 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion: 43 Resp: 58845
Ion Ratio Lower Upper
43 100
58 30.9 26.0 39.0





#17

Carbon Disulfide

Concen: 0.257 ug/l

RT: 4.469 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN073329.D

Acq: 05 Jul 2022 20:52

Instrument :

MSVOA_N

ClientSampleId :

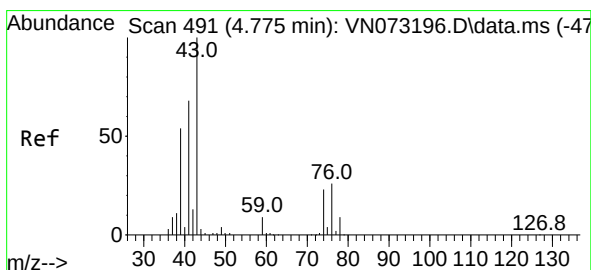
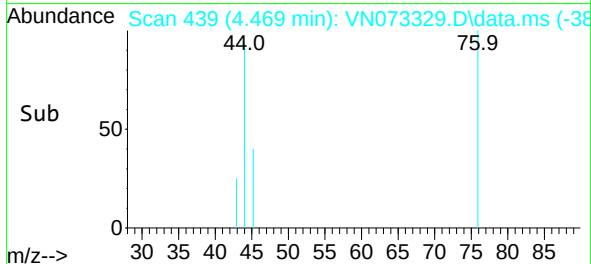
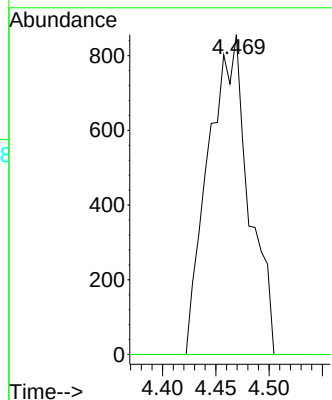
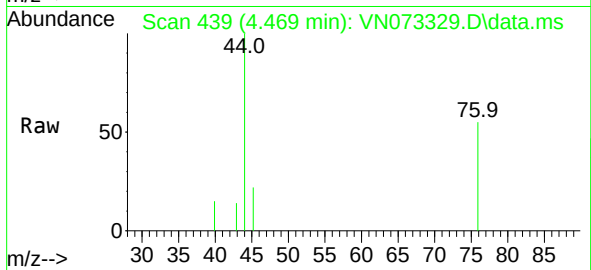
WC-16-2-6

Tgt Ion: 76 Resp: 2256

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#18

Methyl Acetate

Concen: 0.954 ug/l

RT: 4.787 min Scan# 493

Delta R.T. 0.012 min

Lab File: VN073329.D

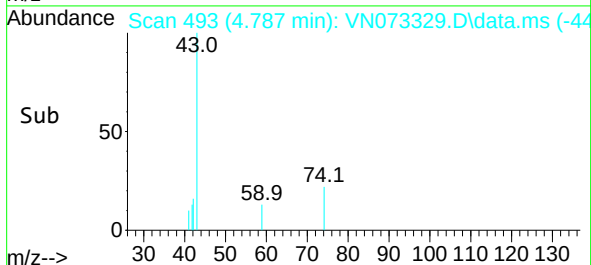
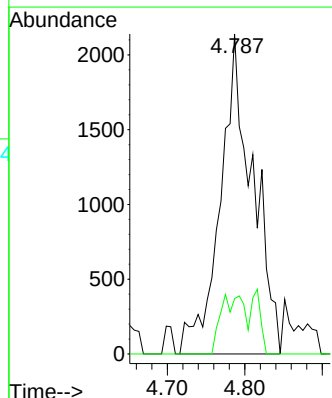
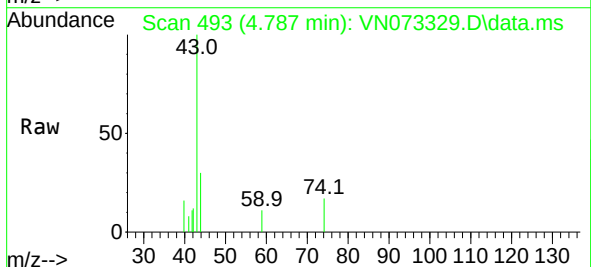
Acq: 05 Jul 2022 20:52

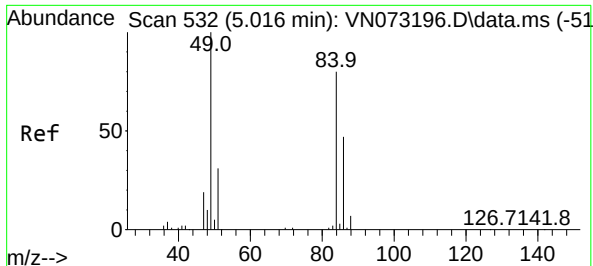
Tgt Ion: 43 Resp: 6228

Ion Ratio Lower Upper

43 100

74 6.4 21.6 32.4#

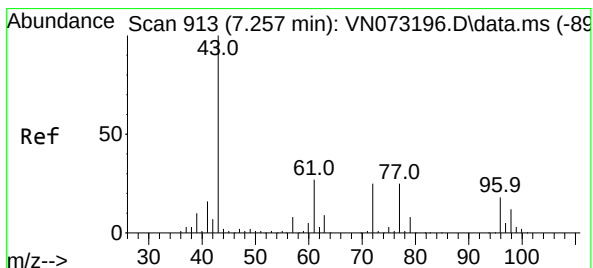
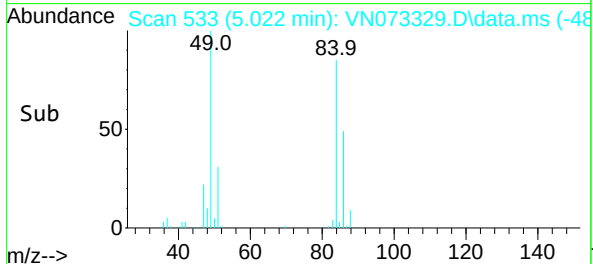
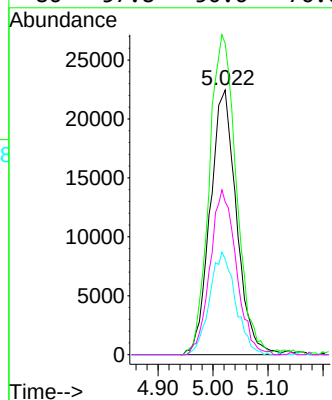
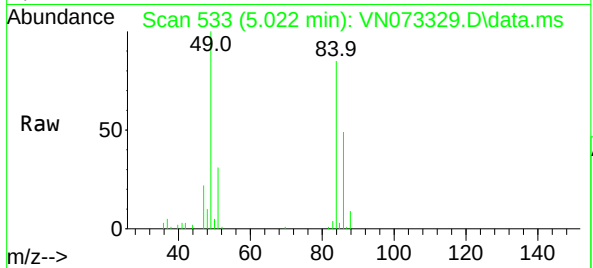




#20
Methylene Chloride
Concen: 18.255 ug/l
RT: 5.022 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

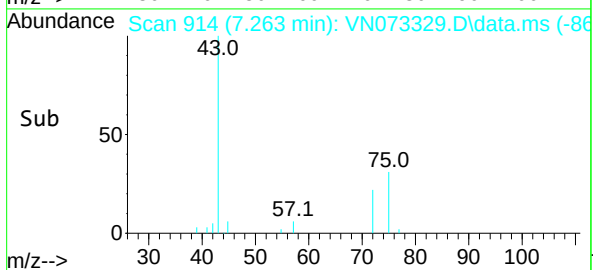
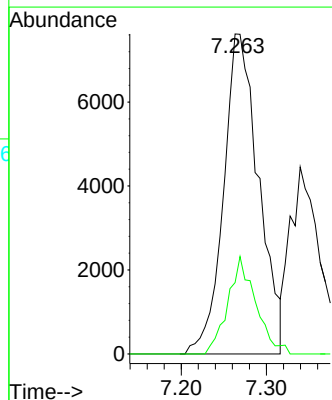
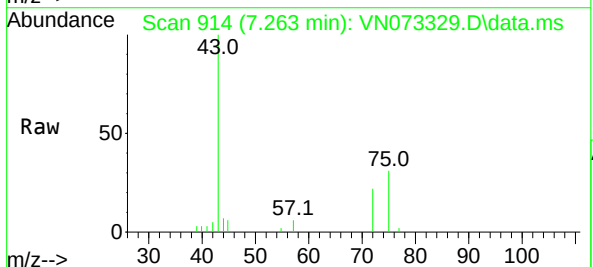
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

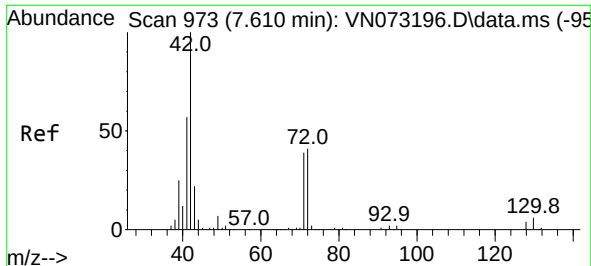
Tgt Ion:	84	Resp:	74772
Ion	Ratio	Lower	Upper
84	100		
49	117.6	88.3	132.5
51	36.1	28.2	42.2
86	57.8	50.6	76.0



#25
2-Butanone
Concen: 5.884 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion:	43	Resp:	21835
Ion	Ratio	Lower	Upper
43	100		
72	22.3	23.7	35.5





#29

Tetrahydrofuran

Concen: 1.045 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073329.D

Acq: 05 Jul 2022 20:52

Instrument :

MSVOA_N

ClientSampleId :

WC-16-2-6

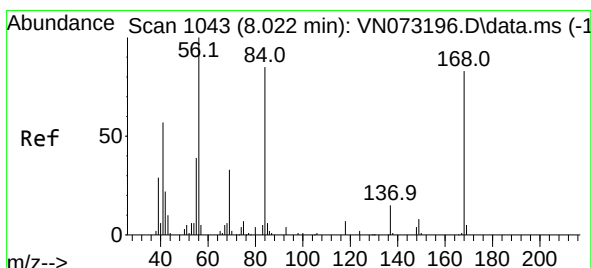
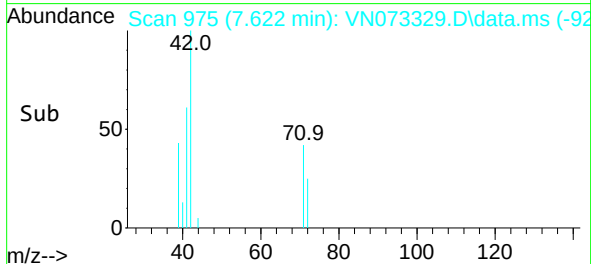
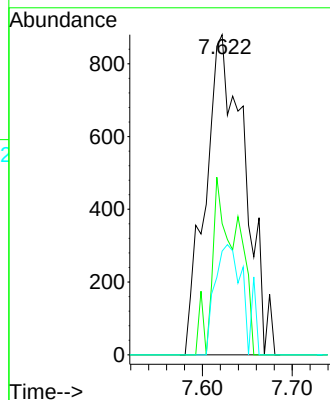
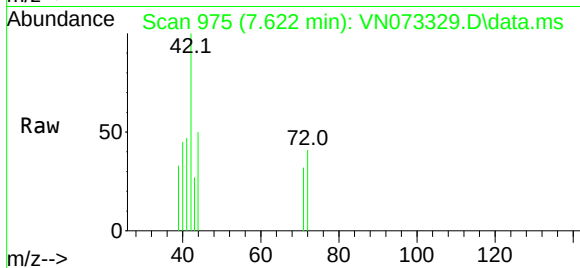
Tgt Ion: 42 Resp: 2655

Ion Ratio Lower Upper

42 100

72 24.2 39.7 59.5#

71 25.3 36.6 55.0#



#31

Cyclohexane

Concen: 1.057 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073329.D

Acq: 05 Jul 2022 20:52

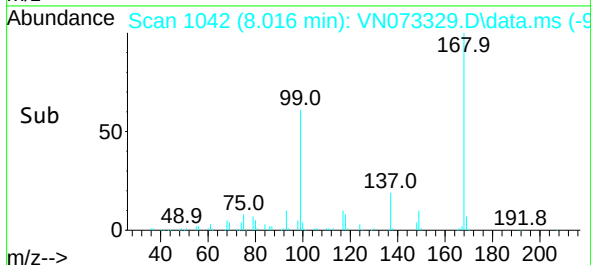
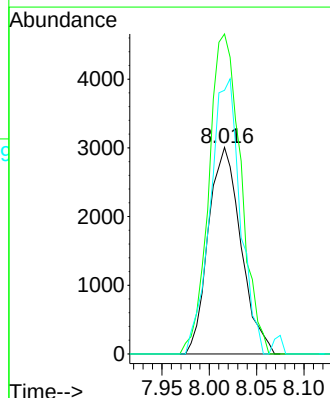
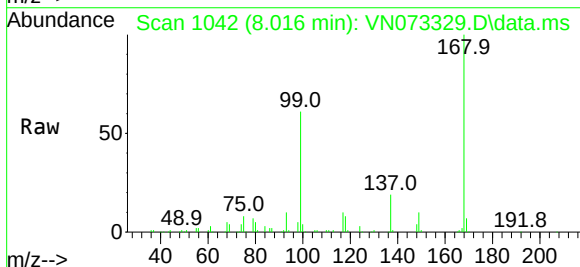
Tgt Ion: 56 Resp: 7189

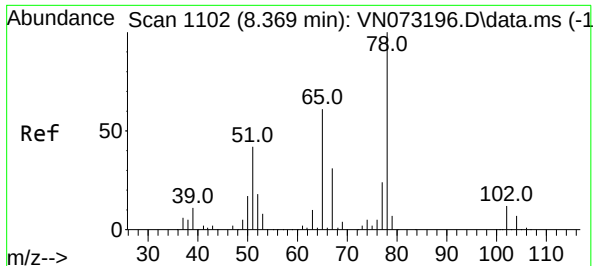
Ion Ratio Lower Upper

56 100

69 155.0 27.8 41.8#

84 127.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 43.371 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073329.D

Acq: 05 Jul 2022 20:52

Instrument :

MSVOA_N

ClientSampleId :

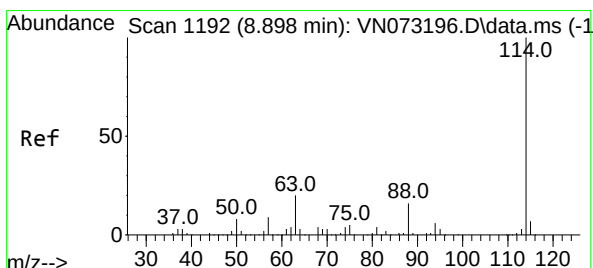
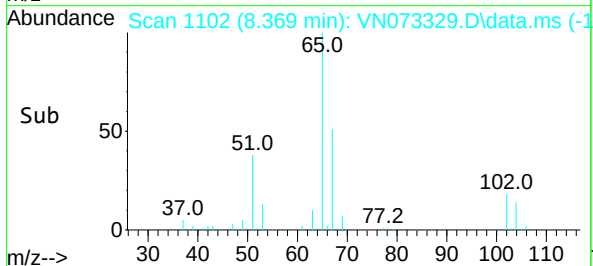
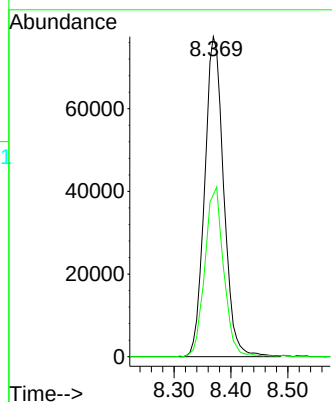
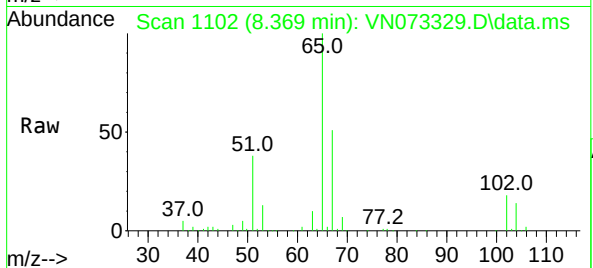
WC-16-2-6

Tgt Ion: 65 Resp: 180080

Ion Ratio Lower Upper

65 100

67 52.4 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: VN073329.D

Acq: 05 Jul 2022 20:52

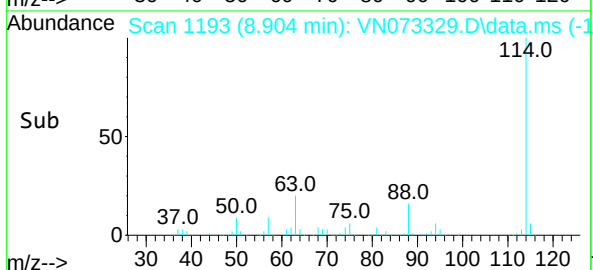
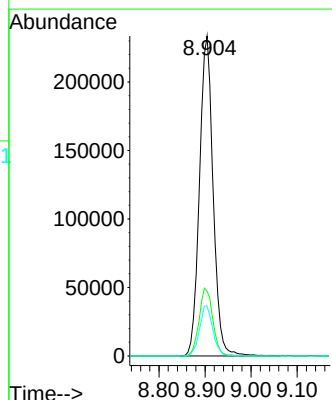
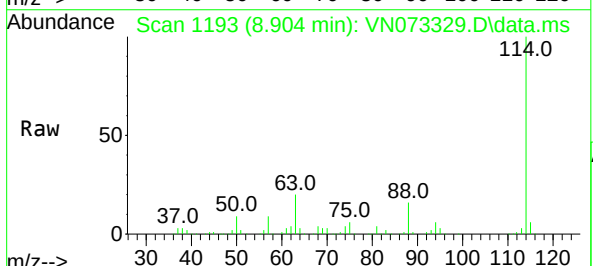
Tgt Ion: 114 Resp: 482002

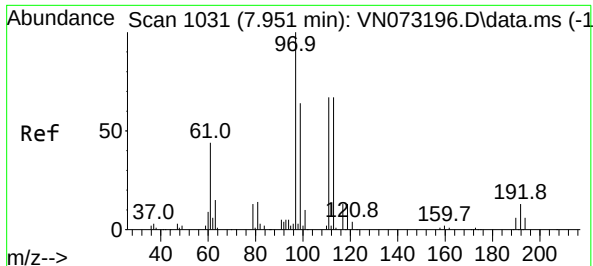
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 15.6 0.0 32.6

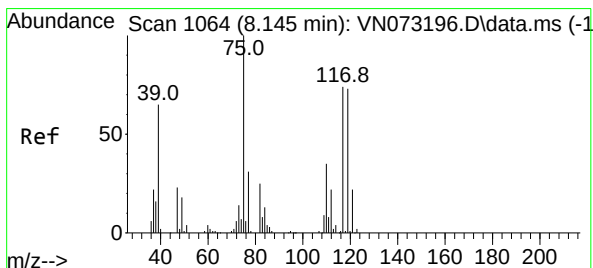
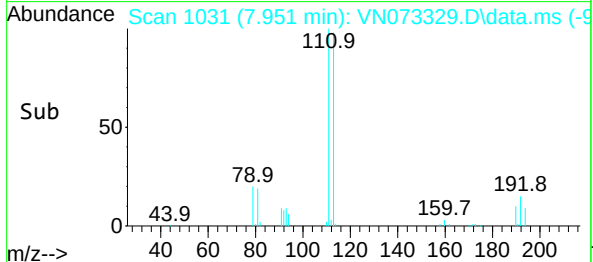
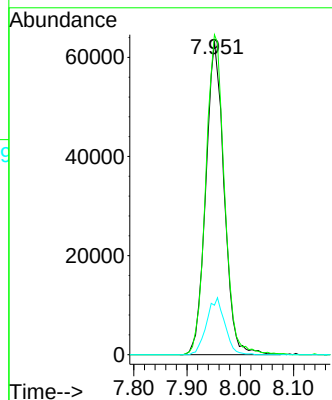
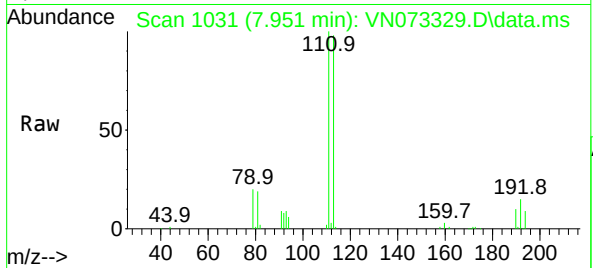




#35
Dibromofluoromethane
Concen: 47.077 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

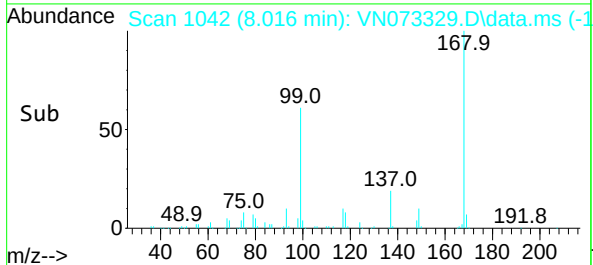
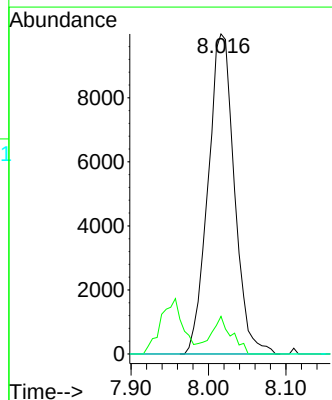
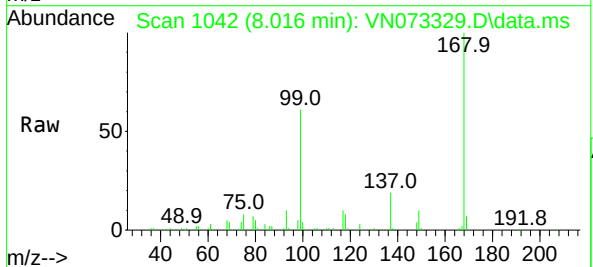
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

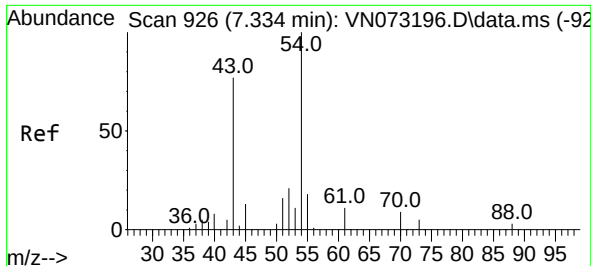
Tgt Ion:113 Resp: 150968
Ion Ratio Lower Upper
113 100
111 104.3 81.4 122.0
192 18.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.784 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion: 75 Resp: 23606
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#

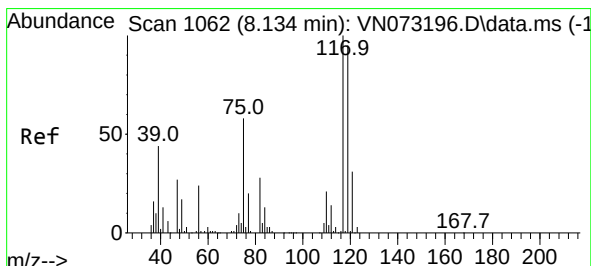
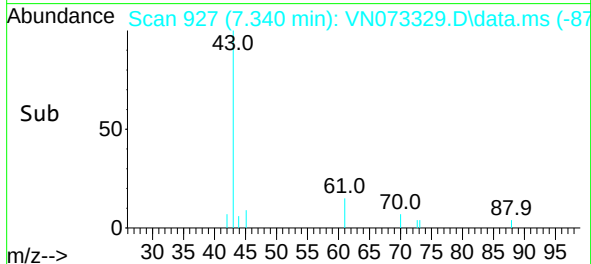
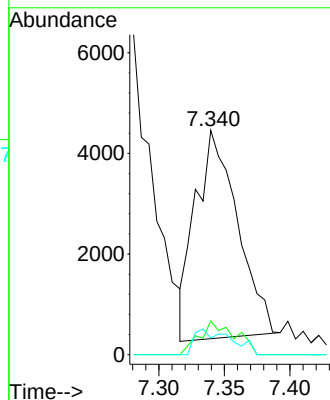
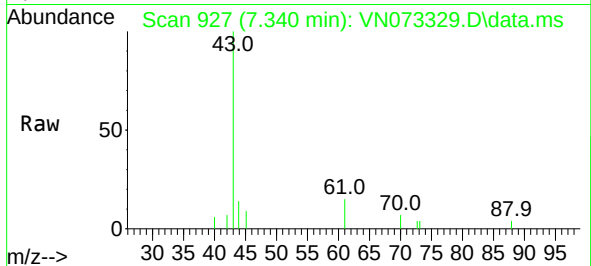




#37
Ethyl Acetate
Concen: 1.238 ug/l
RT: 7.340 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

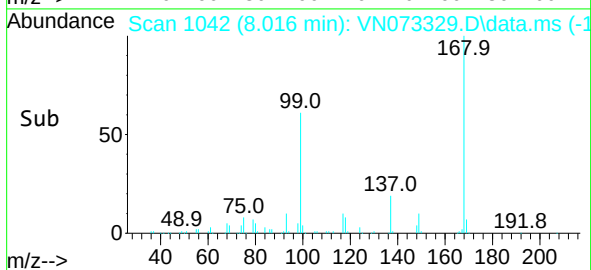
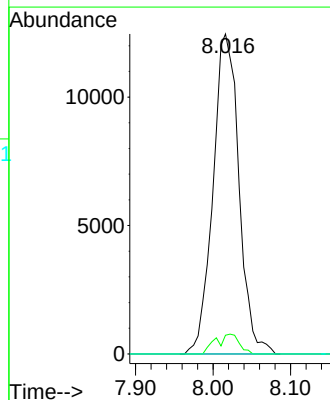
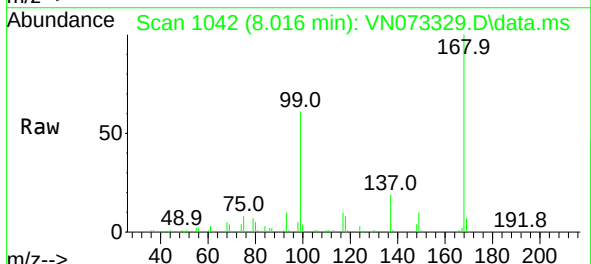
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

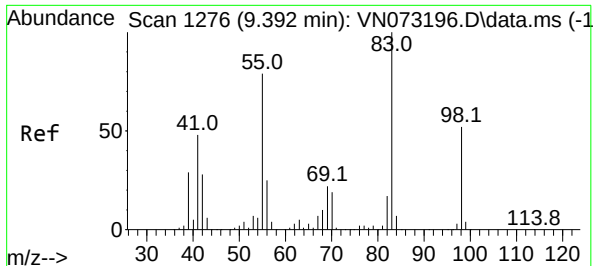
Tgt Ion:	43	Resp:	9227
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.8	17.6
70	10.7	9.3	13.9



#38
Carbon Tetrachloride
Concen: 5.681 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion:	117	Resp:	28987
Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.8	113.8#
121	0.0	24.6	37.0#

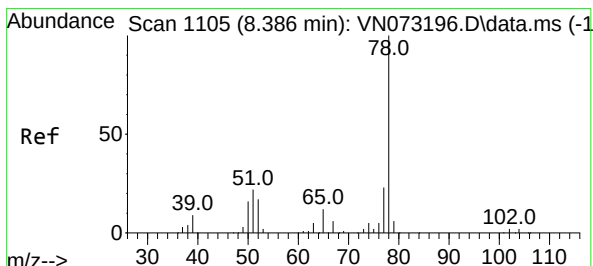
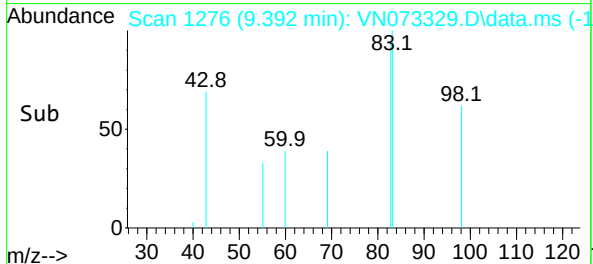
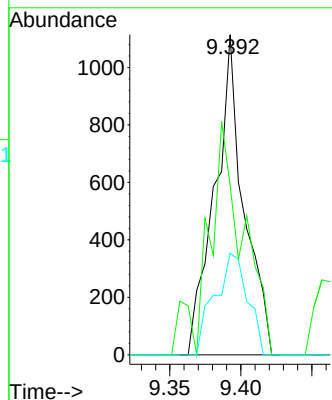
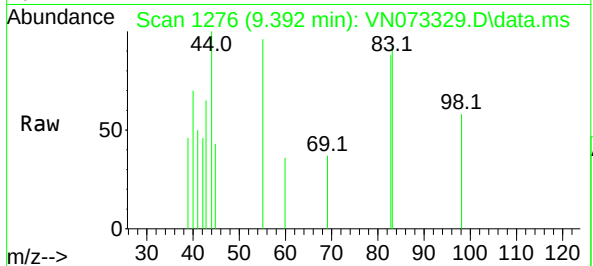




#39
Methylcyclohexane
Concen: 0.257 ug/l
RT: 9.392 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

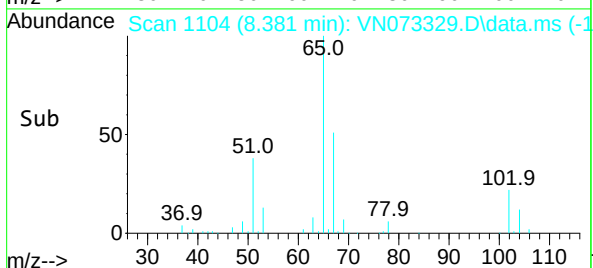
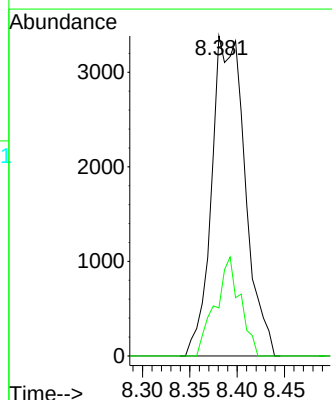
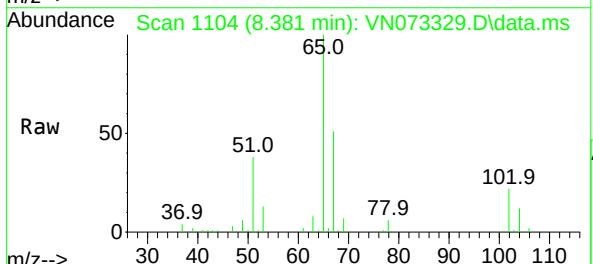
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

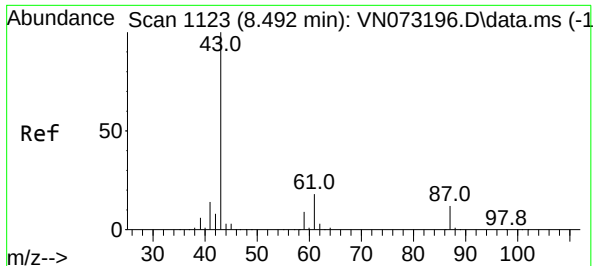
Tgt Ion: 83 Resp: 1579
Ion Ratio Lower Upper
83 100
55 53.0 57.8 86.8#
98 31.8 39.4 59.2#



#40
Benzene
Concen: 0.543 ug/l
RT: 8.381 min Scan# 1104
Delta R.T. -0.005 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion: 78 Resp: 8275
Ion Ratio Lower Upper
78 100
77 15.0 19.4 29.0#

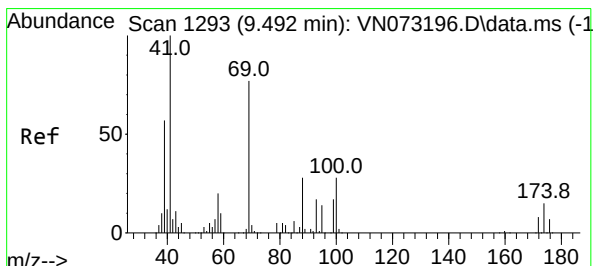
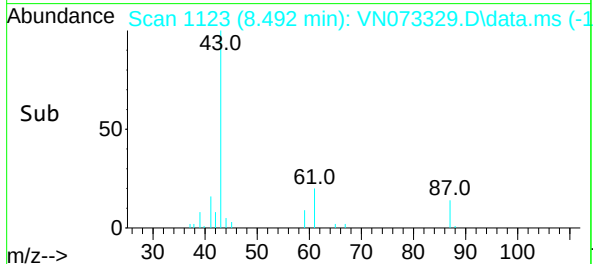
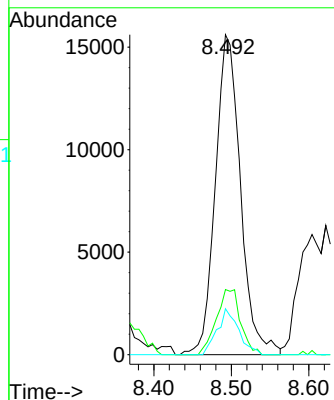
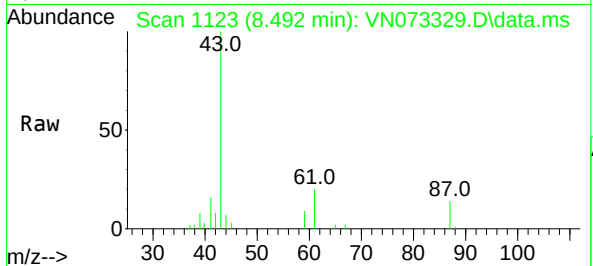




#43
Isopropyl Acetate
Concen: 3.286 ug/l
RT: 8.492 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

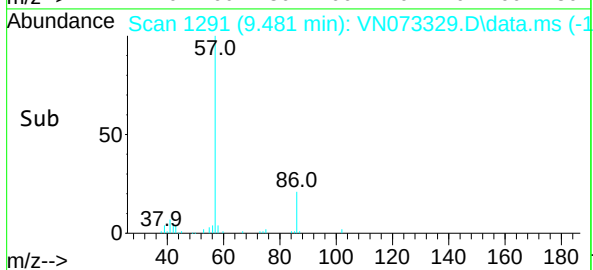
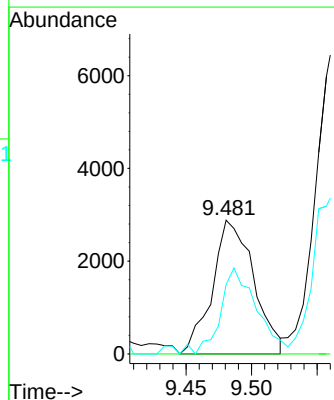
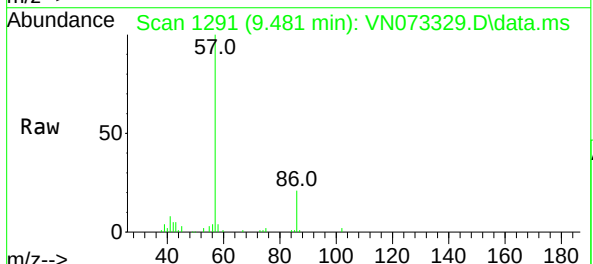
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

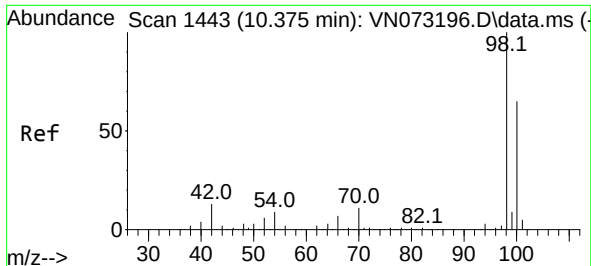
Tgt Ion: 43 Resp: 35208
Ion Ratio Lower Upper
43 100
61 19.6 21.9 32.9#
87 12.2 12.0 18.0



#48
Methyl methacrylate
Concen: 1.277 ug/l
RT: 9.481 min Scan# 1291
Delta R.T. -0.011 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion: 41 Resp: 6336
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 56.6 45.6 68.4

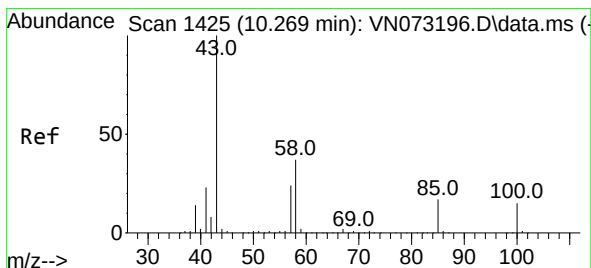
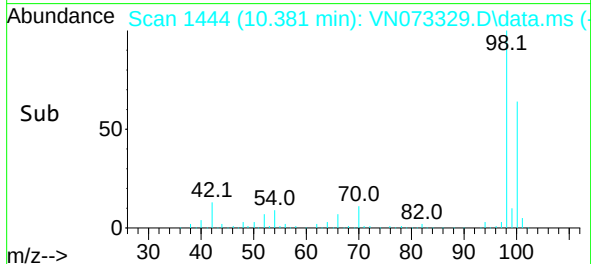
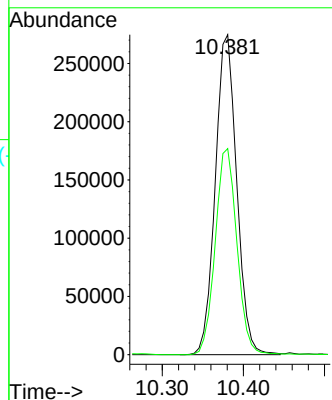
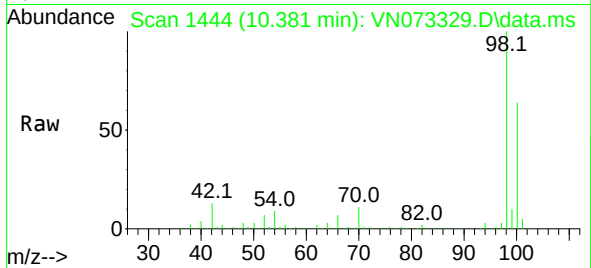




#50
Toluene-d8
Concen: 44.294 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

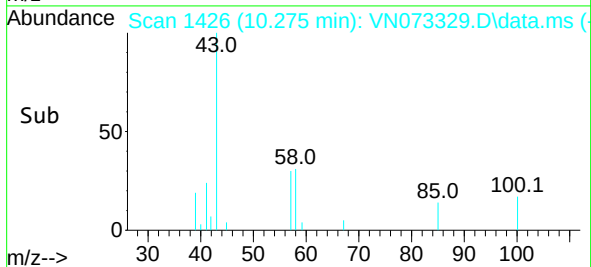
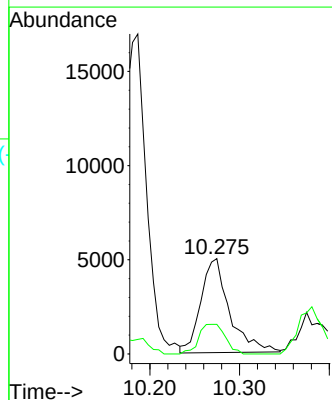
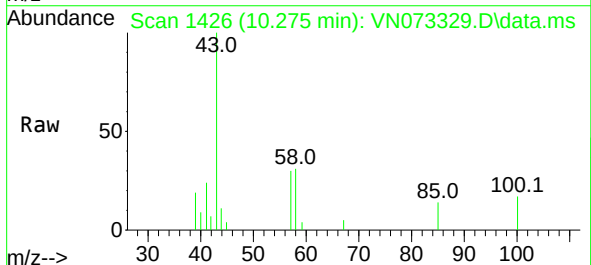
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

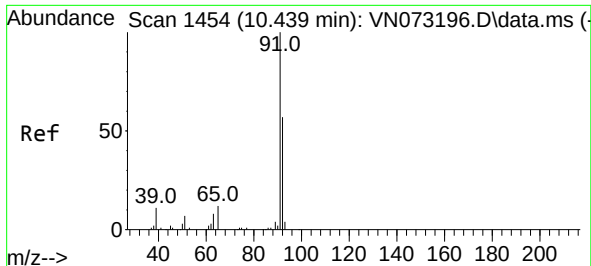
Tgt Ion: 98 Resp: 504486
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.632 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion: 43 Resp: 11087
Ion Ratio Lower Upper
43 100
58 28.9 34.1 51.1#

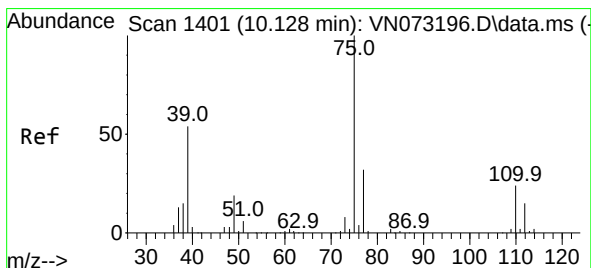
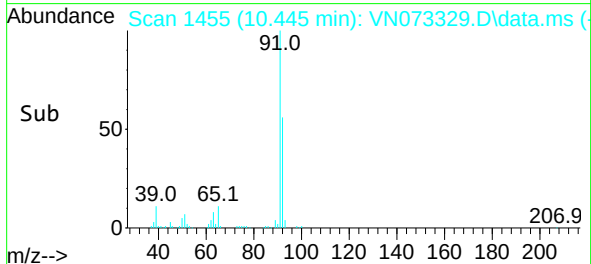
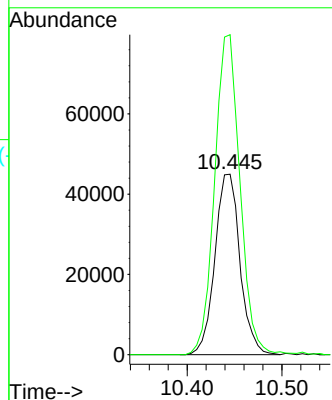
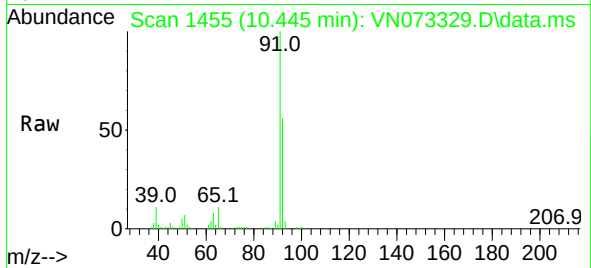




#52
Toluene
Concen: 8.793 ug/l
RT: 10.445 min Scan# 1454
Delta R.T. 0.006 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

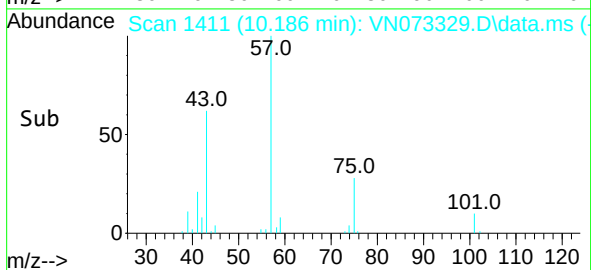
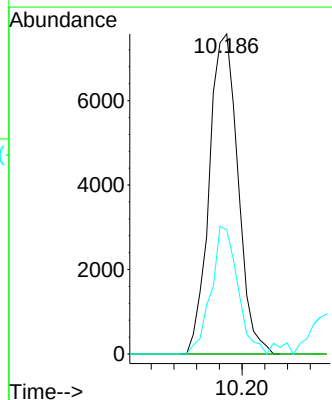
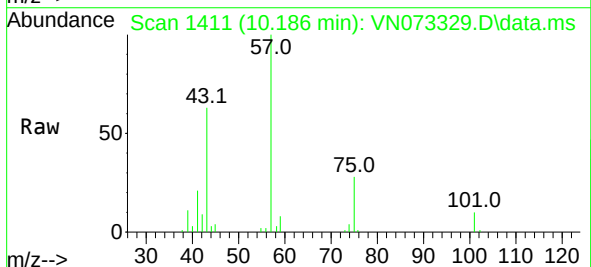
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

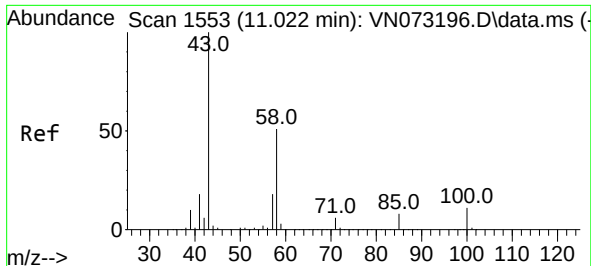
Tgt Ion: 92 Resp: 82748
Ion Ratio Lower Upper
92 100
91 179.1 138.6 207.8



#54
cis-1,3-Dichloropropene
Concen: 2.194 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.058 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion: 75 Resp: 13311
Ion Ratio Lower Upper
75 100
77 0.0 25.2 37.8#
39 38.7 35.7 53.5

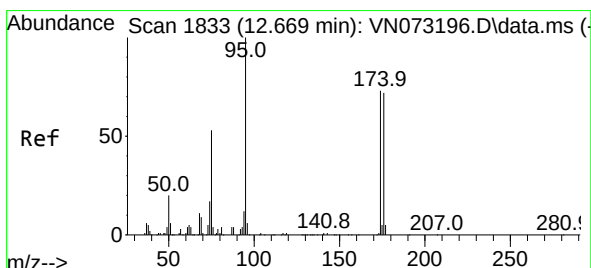
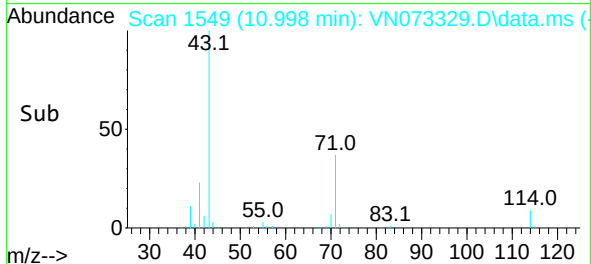
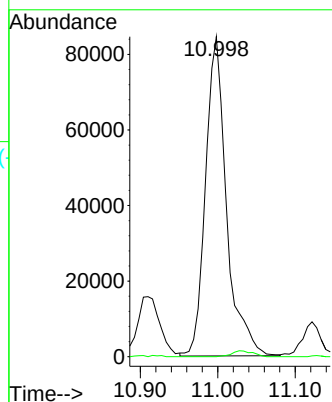
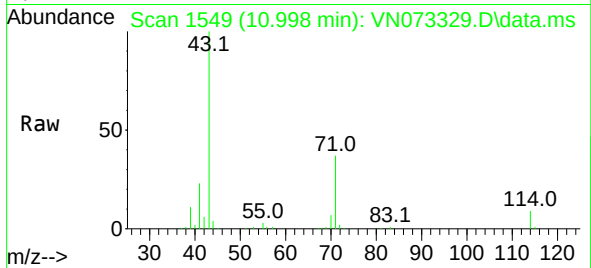




#59
2-Hexanone
Concen: 30.684 ug/l
RT: 10.998 min Scan# 1549
Delta R.T. -0.024 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

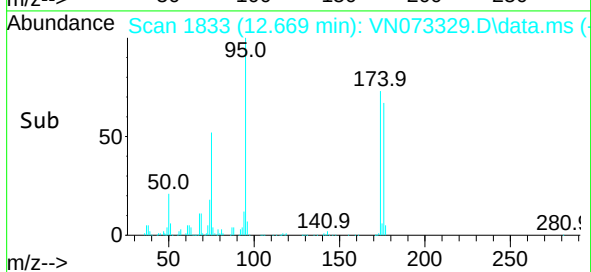
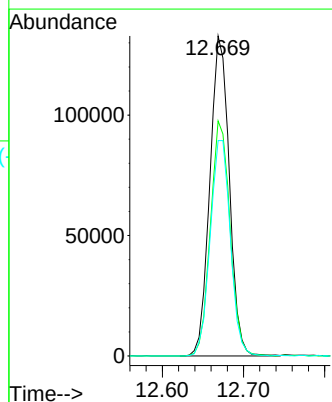
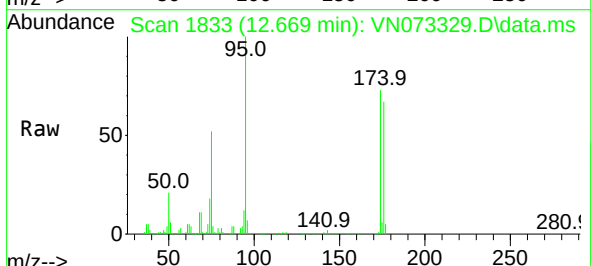
Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

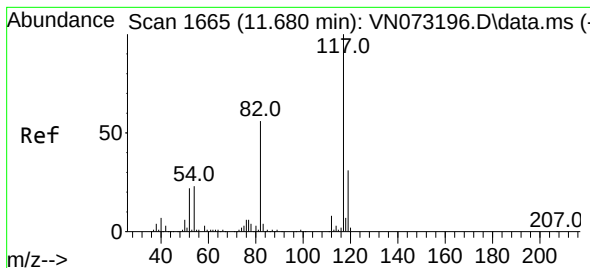
Tgt Ion: 43 Resp: 158935
Ion Ratio Lower Upper
43 100
58 0.0 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 50.410 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion: 95 Resp: 220644
Ion Ratio Lower Upper
95 100
174 74.3 0.0 167.6
176 69.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073329.D

Acq: 05 Jul 2022 20:52

Instrument :

MSVOA_N

ClientSampleId :

WC-16-2-6

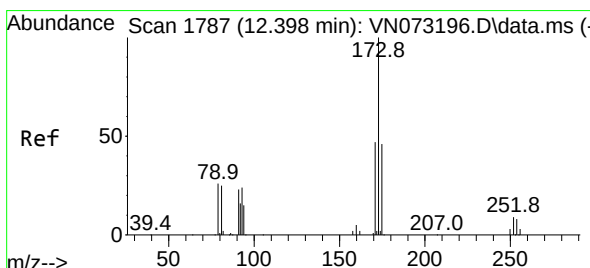
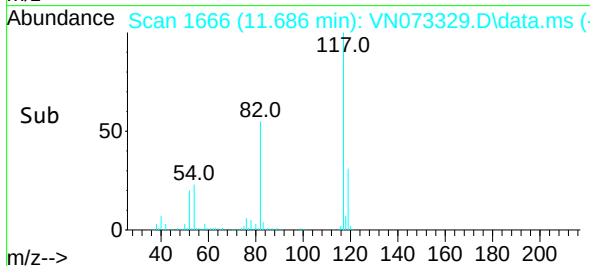
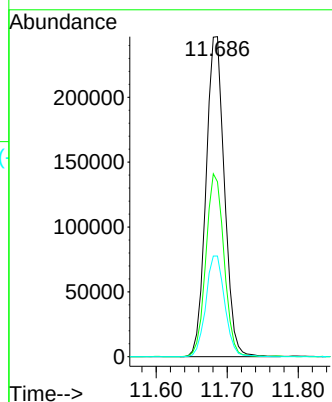
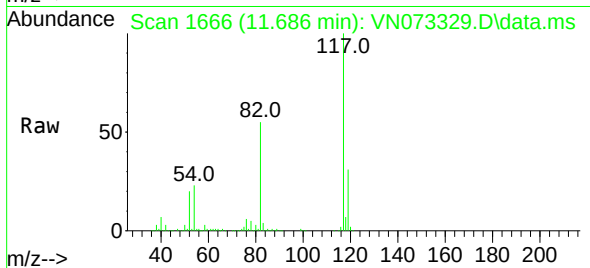
Tgt Ion:117 Resp: 445434

Ion Ratio Lower Upper

117 100

82 54.6 44.2 66.2

119 31.4 25.4 38.0



#71

Bromoform

Concen: 0.622 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN073329.D

Acq: 05 Jul 2022 20:52

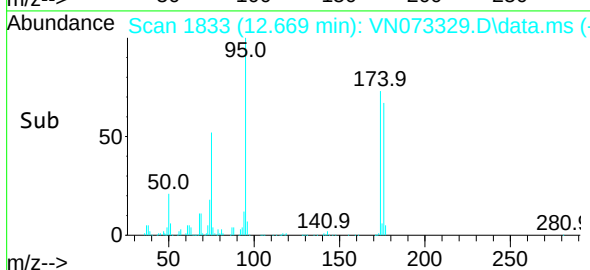
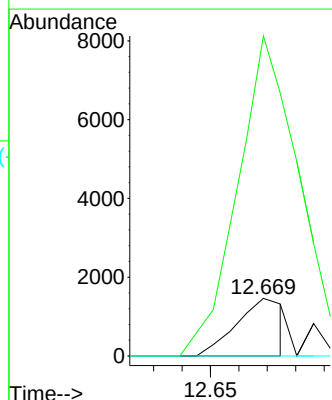
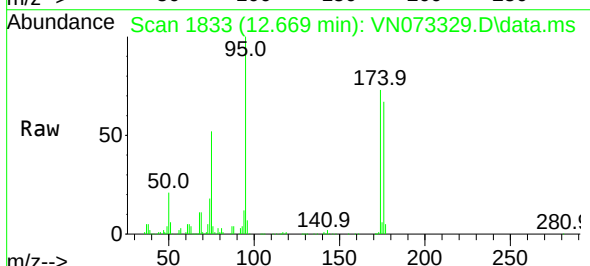
Tgt Ion:173 Resp: 1687

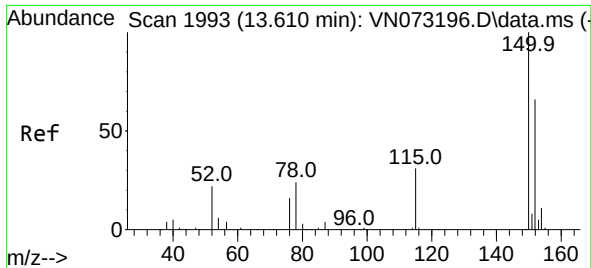
Ion Ratio Lower Upper

173 100

175 531.4 24.6 73.6#

254 0.0 0.1 0.1#

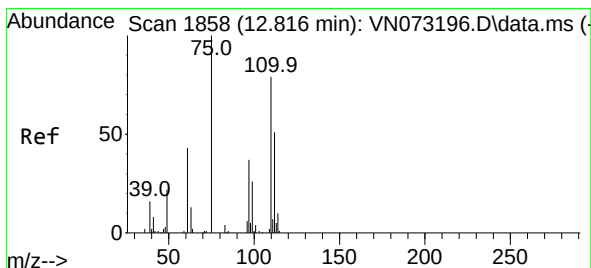
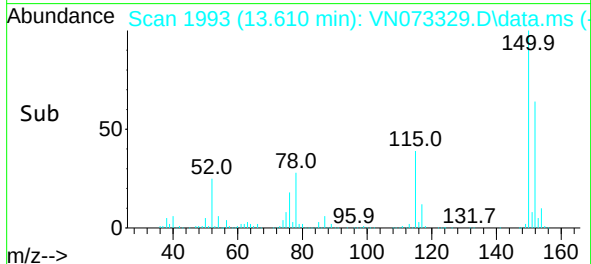
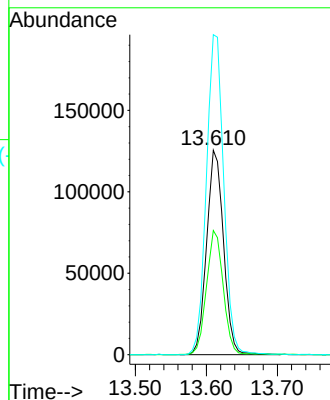
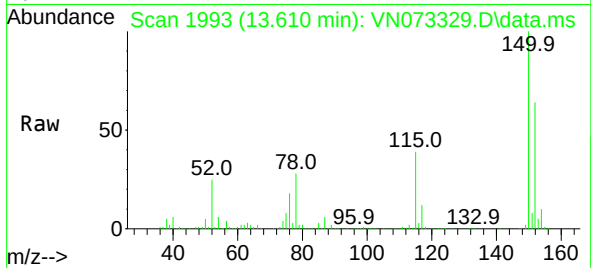




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073329.D
 Acq: 05 Jul 2022 20:52

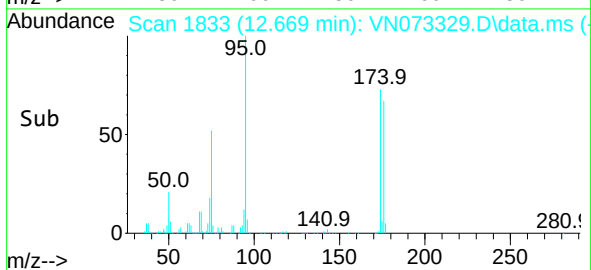
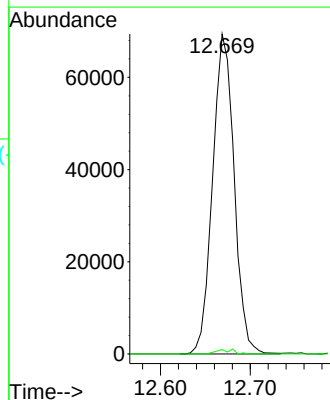
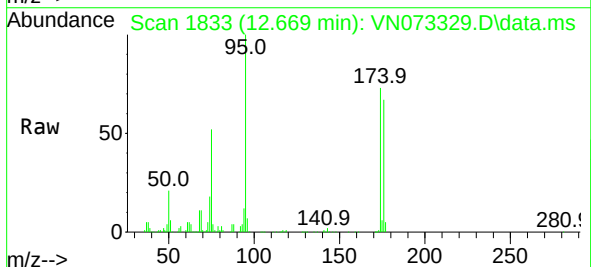
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-16-2-6

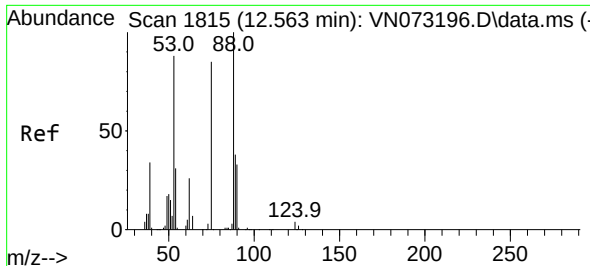
Tgt Ion:152 Resp: 207990
 Ion Ratio Lower Upper
 152 100
 115 60.8 28.9 86.7
 150 160.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.256 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073329.D
 Acq: 05 Jul 2022 20:52

Tgt Ion: 75 Resp: 115603
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.5 295.5#

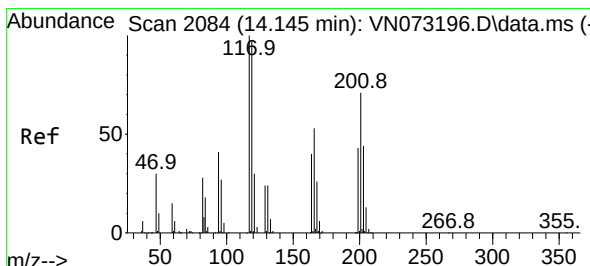
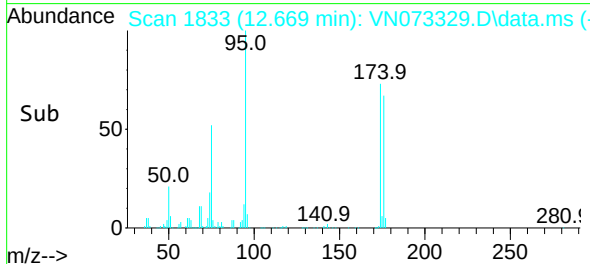
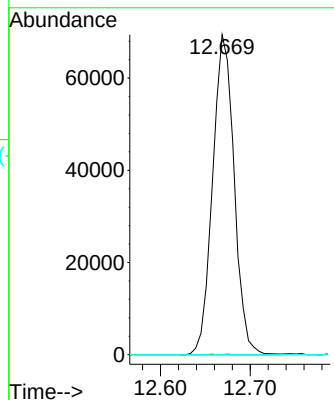
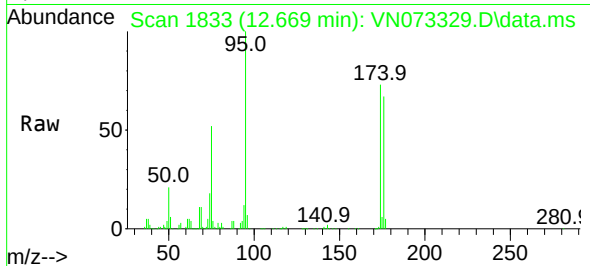




#81
trans-1,4-Dichloro-2-butene
Concen: 58.295 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Instrument :
MSVOA_N
ClientSampleId :
WC-16-2-6

Tgt Ion: 75 Resp: 115603
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#90
Hexachloroethane
Concen: 0.384 ug/l
RT: 14.216 min Scan# 2096
Delta R.T. 0.071 min
Lab File: VN073329.D
Acq: 05 Jul 2022 20:52

Tgt Ion: 117 Resp: 1020
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#

