

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070622\
 Data File : VN073344.D
 Acq On : 06 Jul 2022 14:46
 Operator : JC\MD
 Sample : N3568-01
 Misc : 4.80g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-07012022

Quant Time: Jul 07 04:23:01 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)

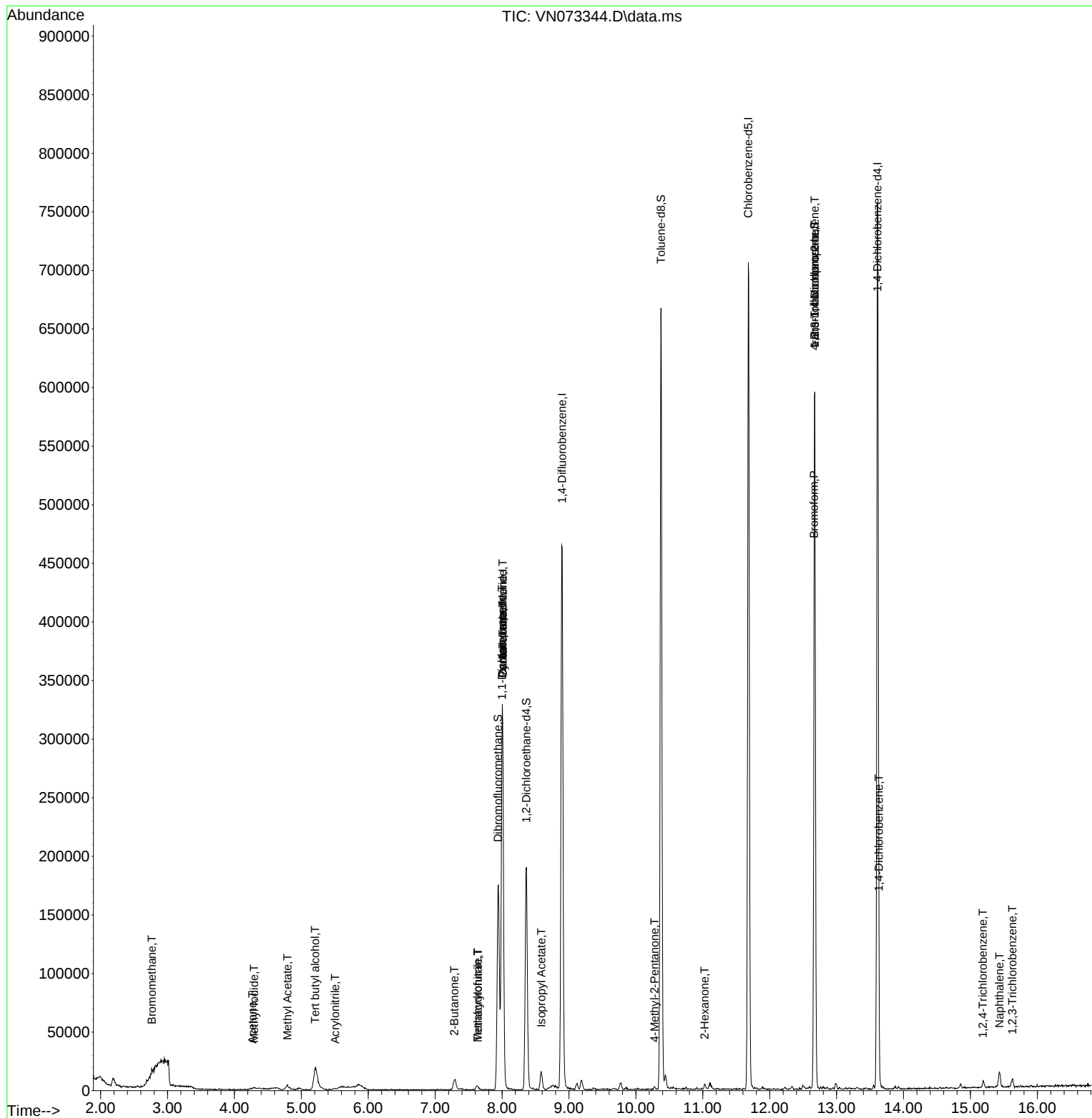
Internal Standards						
1) Pentafluorobenzene	8.010	168	251335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	423381	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	409304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	202191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	158563	43.702	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.400%		
35) Dibromofluoromethane	7.939	113	132633	47.086	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.180%		
50) Toluene-d8	10.374	98	453011	45.281	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.560%		
62) 4-Bromofluorobenzene	12.668	95	206824	53.795	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.600%		
Target Compounds					Qvalue	
5) Bromomethane	2.763	94	514	0.359	ug/l #	70
10) Methyl Iodide	4.292	142	1088	3.970	ug/l #	58
11) Tert butyl alcohol	5.204	59	21771	24.770	ug/l #	72
15) Acrylonitrile	5.504	53	615	0.272	ug/l #	48
16) Acetone	4.269	43	1943	0.954	ug/l	95
18) Methyl Acetate	4.792	43	6919	1.212	ug/l #	84
25) 2-Butanone	7.286	43	2433	0.750	ug/l	97
29) Tetrahydrofuran	7.633	42	3048	1.373	ug/l #	71
31) Cyclohexane	8.010	56	6054	1.019	ug/l #	35
36) 1,1-Dichloropropene	7.998	75	20287	4.681	ug/l #	48
38) Carbon Tetrachloride	8.010	117	26624	5.940	ug/l #	16
41) Methacrylonitrile	7.639	41	2258	0.711	ug/l #	29
43) Isopropyl Acetate	8.586	43	7206	0.766	ug/l #	53
51) 4-Methyl-2-Pentanone	10.280	43	2016	0.338	ug/l #	74
59) 2-Hexanone	11.027	43	3892	0.855	ug/l	84
71) Bromoform	12.663	173	1631	0.655	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	107454	20.325	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	107454	55.739	ug/l #	10
88) 1,4-Dichlorobenzene	13.633	146	1677	0.230	ug/l #	26
93) 1,2,4-Trichlorobenzene	15.186	180	1960	0.507	ug/l	91
95) Naphthalene	15.433	128	14068	0.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.627	180	2645	0.664	ug/l	93

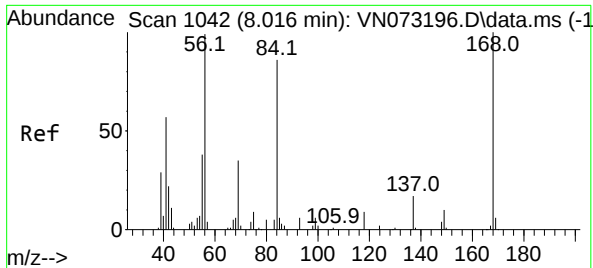
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

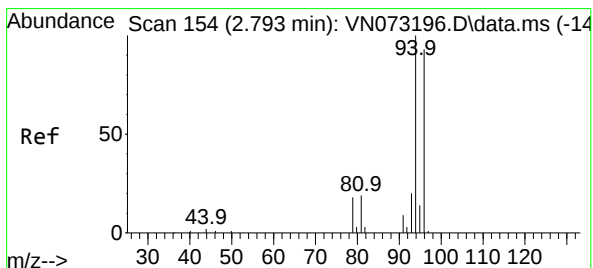
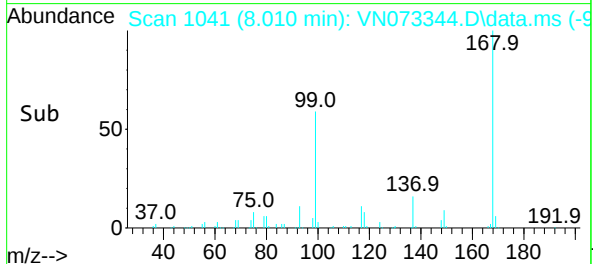
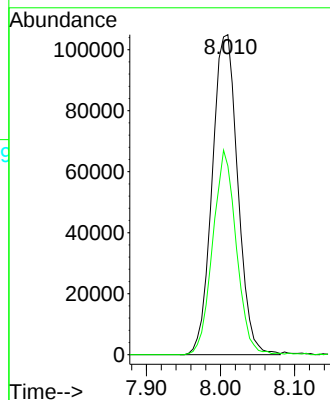
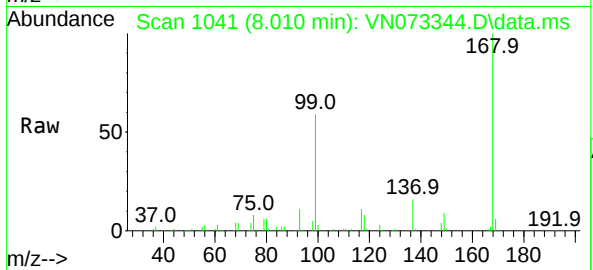




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

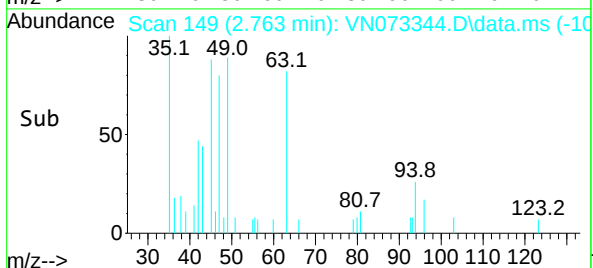
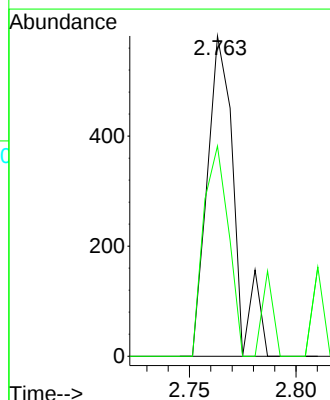
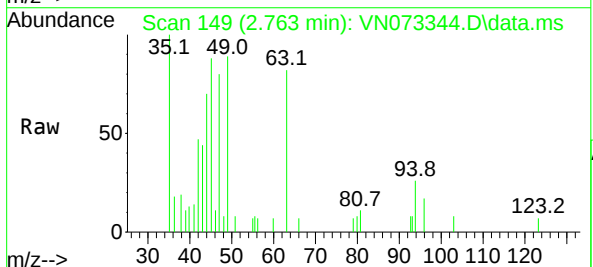
Instrument :
MSVOA_N
ClientSampleId :
TR-05-07012022

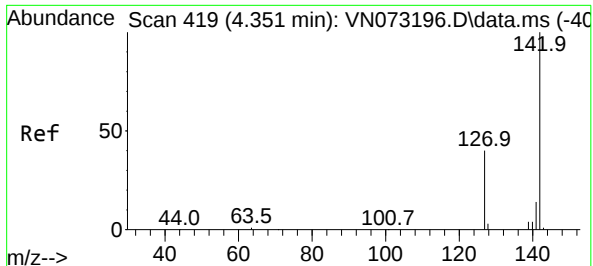
Tgt Ion:168 Resp: 251335
Ion Ratio Lower Upper
168 100
99 58.9 42.3 63.5



#5
Bromomethane
Concen: 0.359 ug/l
RT: 2.763 min Scan# 149
Delta R.T. -0.030 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Tgt Ion: 94 Resp: 514
Ion Ratio Lower Upper
94 100
96 65.6 76.0 114.0#

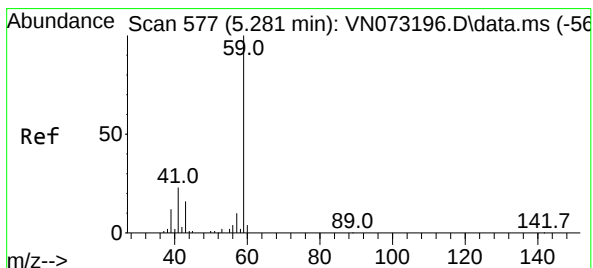
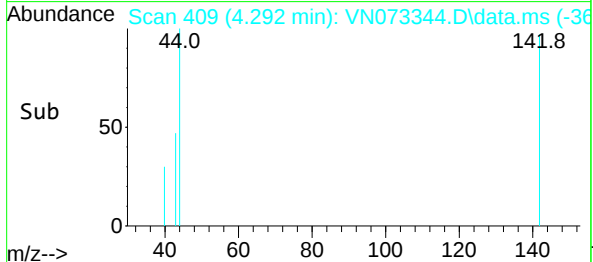
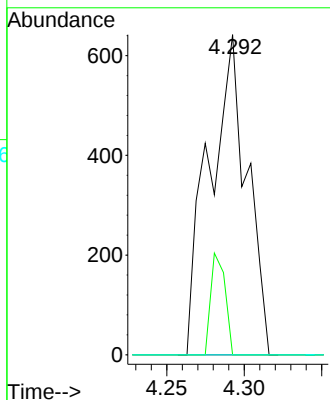
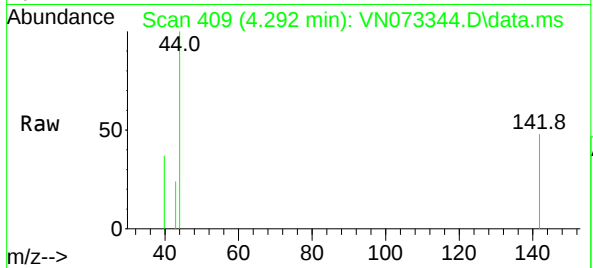




#10
Methyl Iodide
Concen: 3.970 ug/l
RT: 4.292 min Scan# 409
Delta R.T. -0.059 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

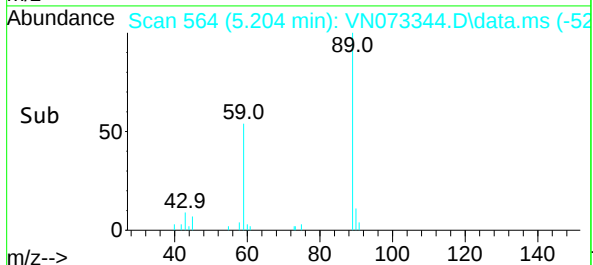
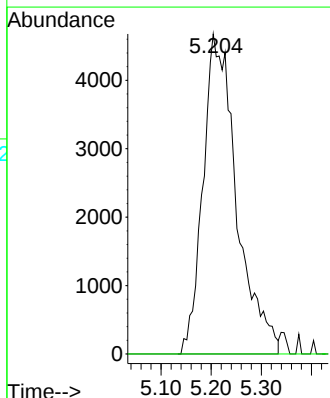
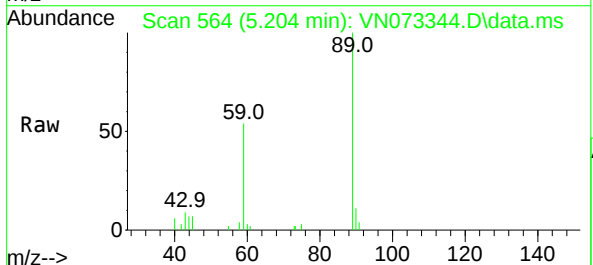
Instrument :
MSVOA_N
ClientSampleId :
TR-05-07012022

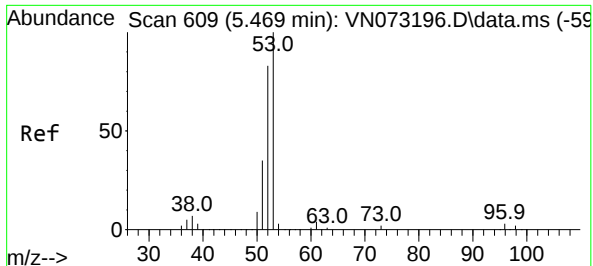
Tgt Ion:142 Resp: 1088
Ion Ratio Lower Upper
142 100
127 11.9 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 24.770 ug/l
RT: 5.204 min Scan# 564
Delta R.T. -0.077 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

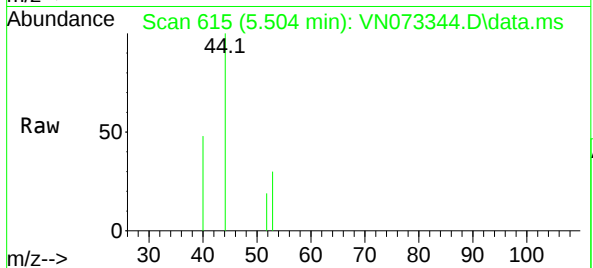
Tgt Ion: 59 Resp: 21771
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



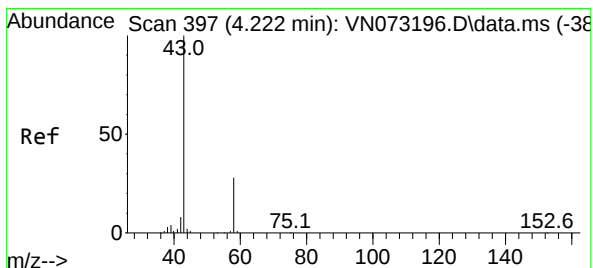
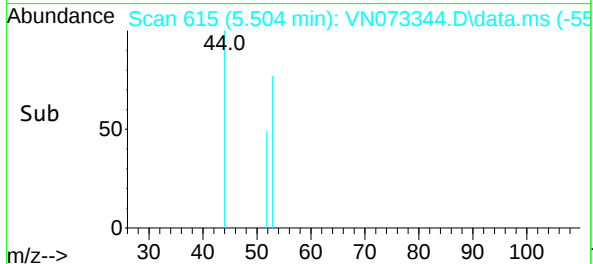
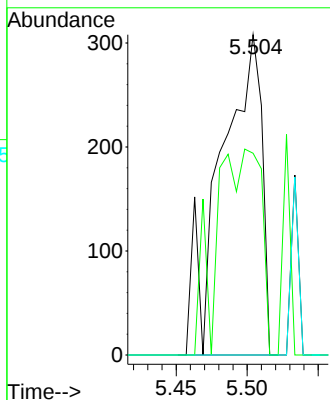


#15
Acrylonitrile
Concen: 0.272 ug/l
RT: 5.504 min Scan# 615
Delta R.T. 0.035 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Instrument :
MSVOA_N
ClientSampleId :
TR-05-07012022

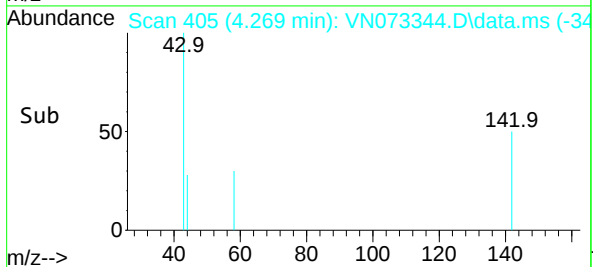
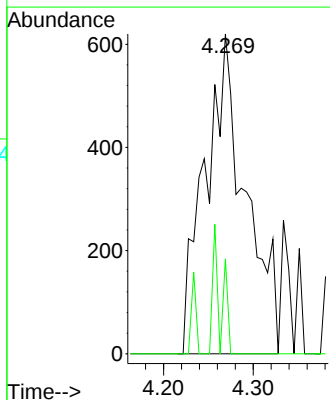
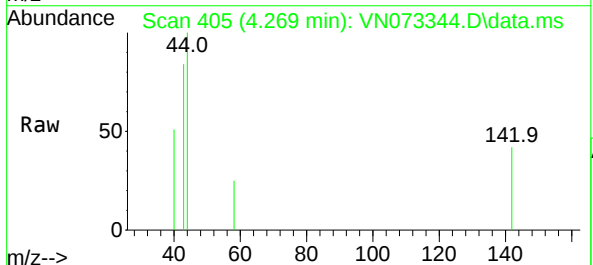


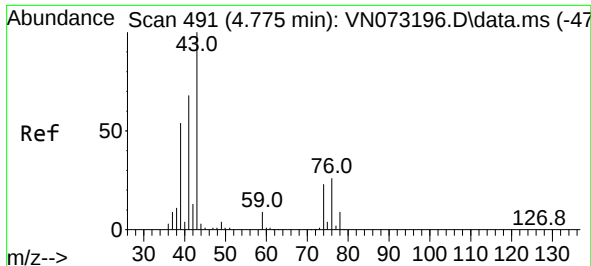
Tgt Ion: 53 Resp: 615
Ion Ratio Lower Upper
53 100
52 39.0 66.4 99.6#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 0.954 ug/l
RT: 4.269 min Scan# 405
Delta R.T. 0.047 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Tgt Ion: 43 Resp: 1943
Ion Ratio Lower Upper
43 100
58 29.7 26.0 39.0





#18

Methyl Acetate

Concen: 1.212 ug/l

RT: 4.792 min Scan# 491

Delta R.T. 0.017 min

Lab File: VN073344.D

Acq: 06 Jul 2022 14:46

Instrument :

MSVOA_N

ClientSampleId :

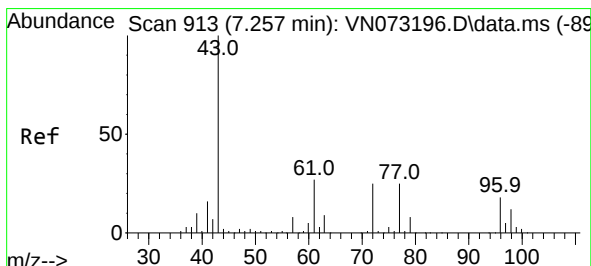
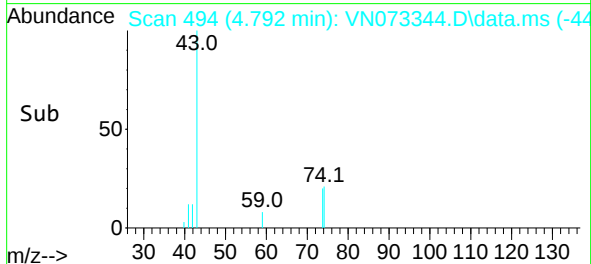
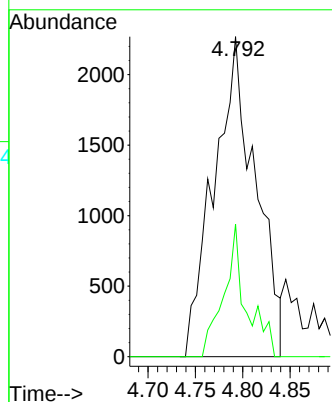
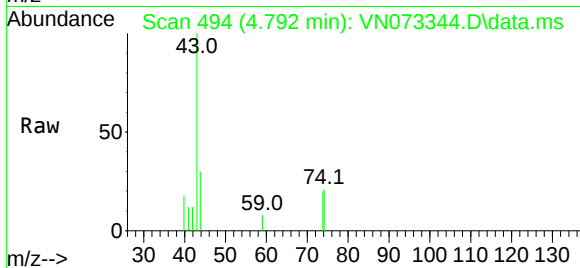
TR-05-07012022

Tgt Ion: 43 Resp: 6919

Ion Ratio Lower Upper

43 100

74 18.5 21.6 32.4#



#25

2-Butanone

Concen: 0.750 ug/l

RT: 7.286 min Scan# 918

Delta R.T. 0.029 min

Lab File: VN073344.D

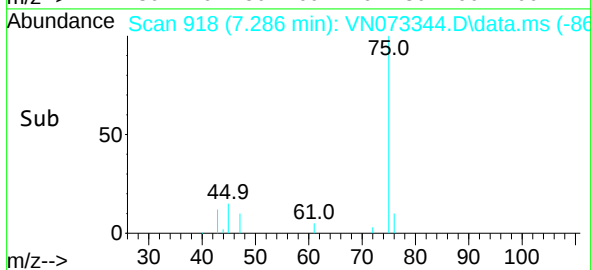
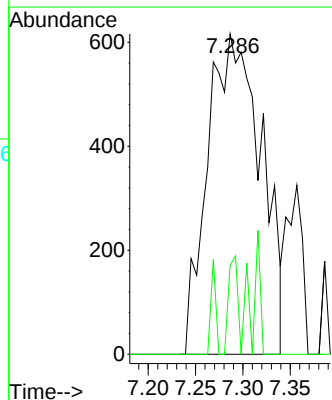
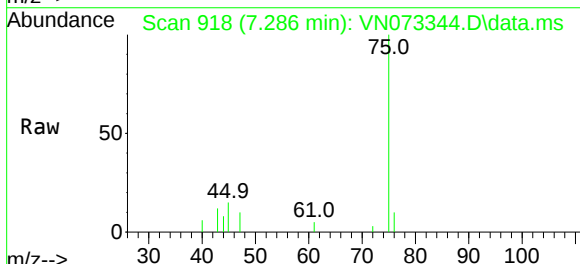
Acq: 06 Jul 2022 14:46

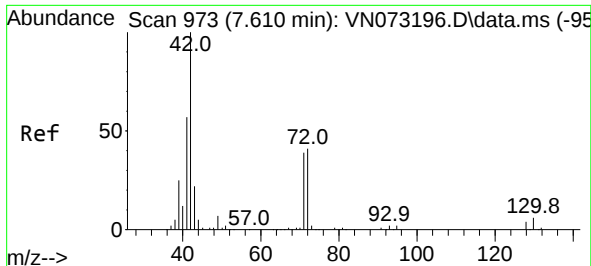
Tgt Ion: 43 Resp: 2433

Ion Ratio Lower Upper

43 100

72 27.8 23.7 35.5





#29

Tetrahydrofuran

Concen: 1.373 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN073344.D

Acq: 06 Jul 2022 14:46

Instrument :

MSVOA_N

ClientSampleId :

TR-05-07012022

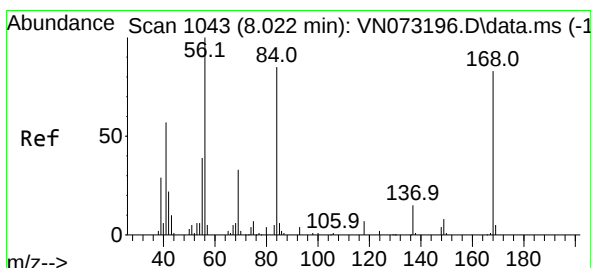
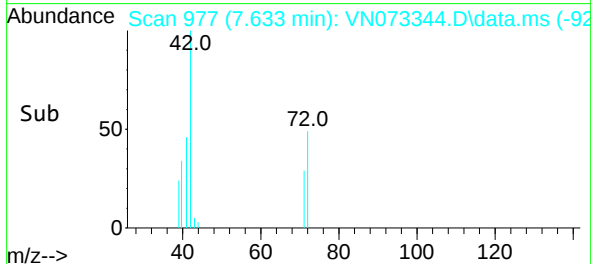
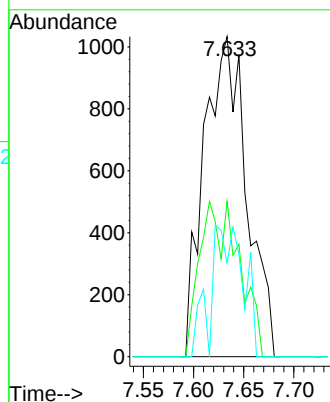
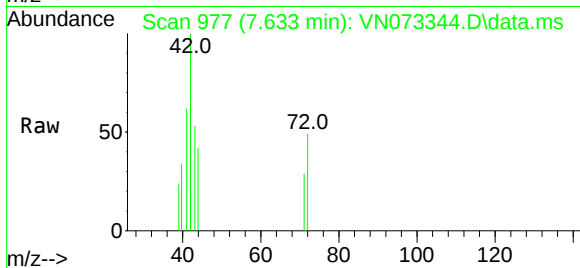
Tgt Ion: 42 Resp: 3048

Ion Ratio Lower Upper

42 100

72 24.3 39.7 59.5#

71 31.9 36.6 55.0#



#31

Cyclohexane

Concen: 1.019 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073344.D

Acq: 06 Jul 2022 14:46

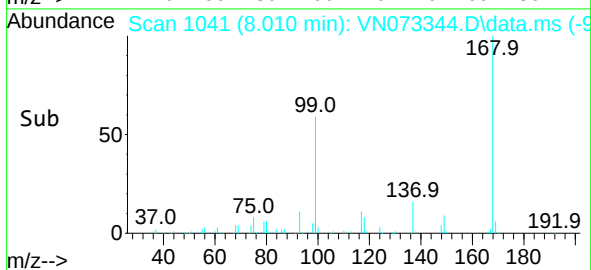
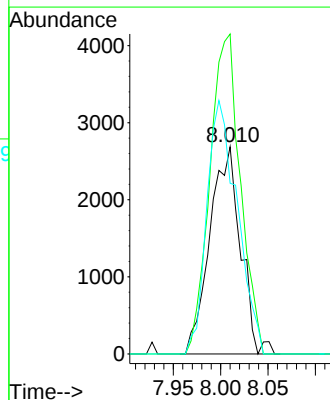
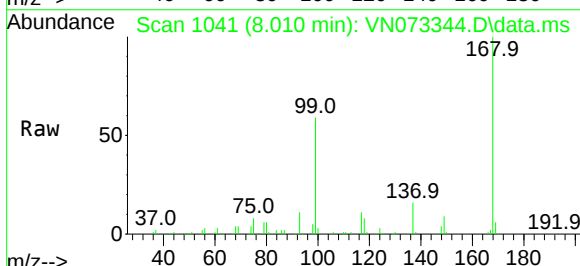
Tgt Ion: 56 Resp: 6054

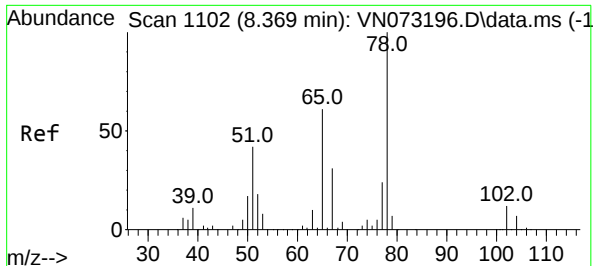
Ion Ratio Lower Upper

56 100

69 154.5 27.8 41.8#

84 82.4 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 43.702 ug/l

RT: 8.363 min Scan# 1102

Delta R.T. -0.006 min

Lab File: VN073344.D

Acq: 06 Jul 2022 14:46

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ClientSampleId :

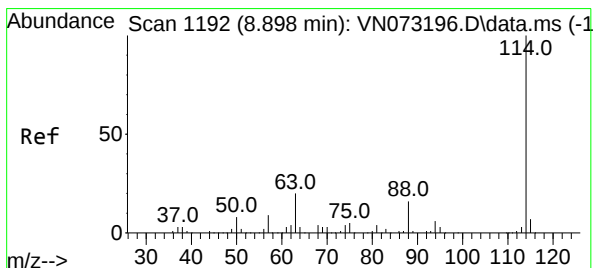
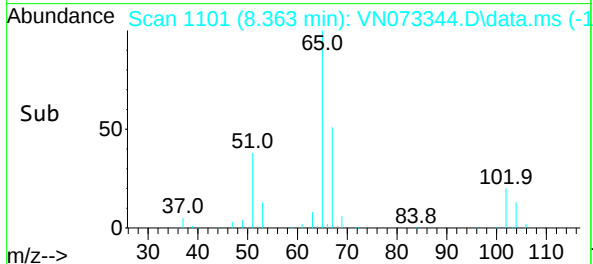
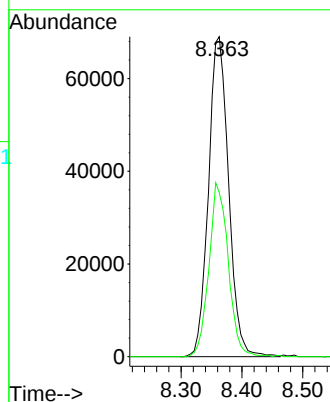
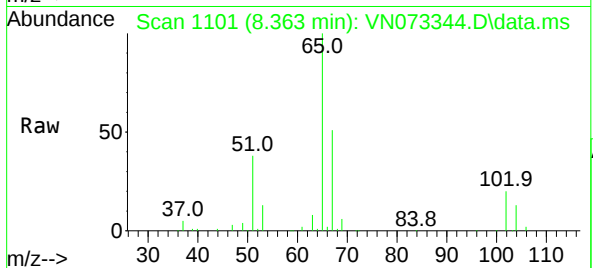
TR-05-07012022

Tgt Ion: 65 Resp: 158563

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073344.D

Acq: 06 Jul 2022 14:46

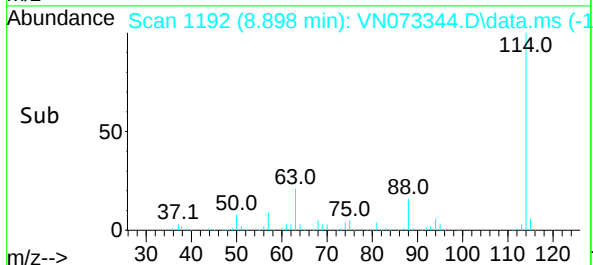
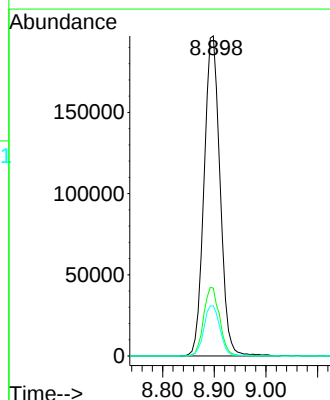
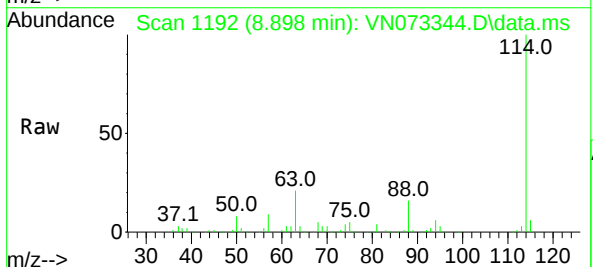
Tgt Ion: 114 Resp: 423381

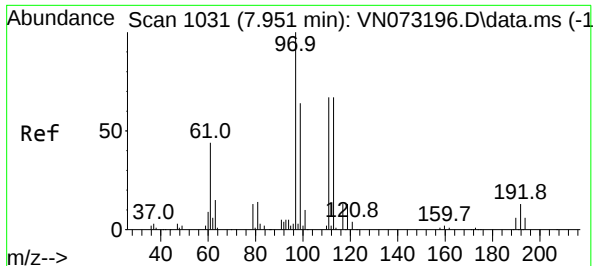
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.0

88 15.7 0.0 32.6

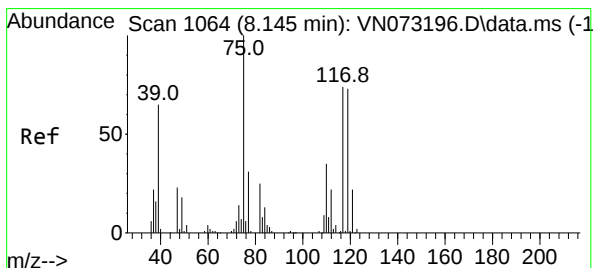
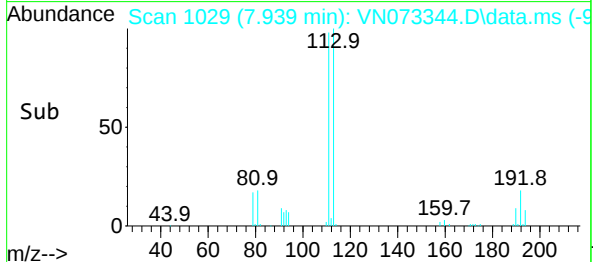
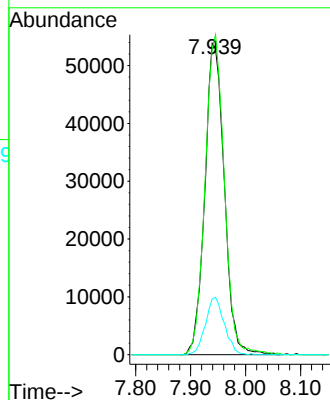
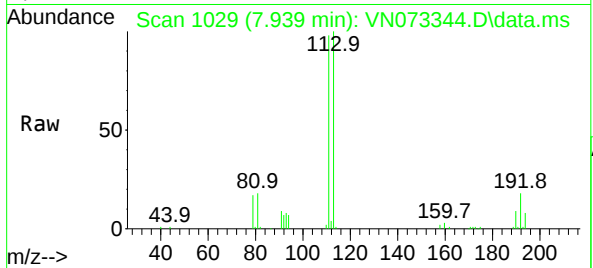




#35
Dibromofluoromethane
Concen: 47.086 ug/l
RT: 7.939 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

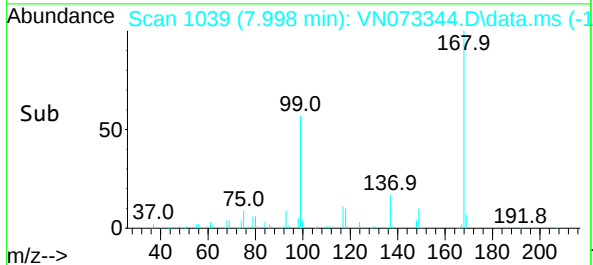
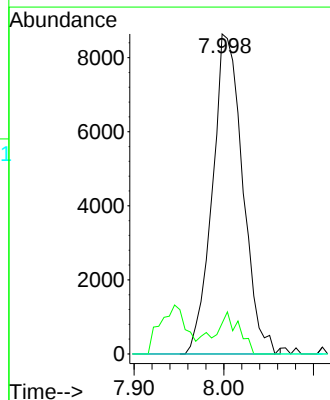
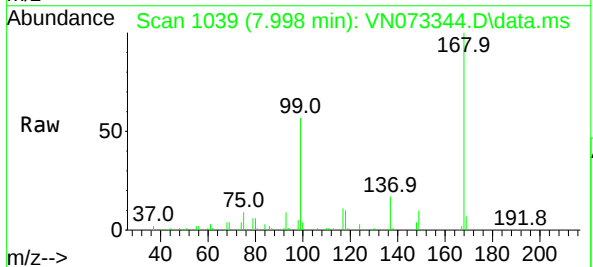
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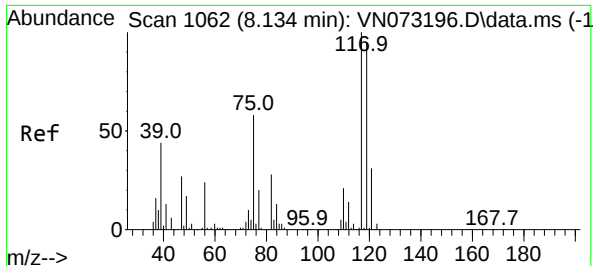
Tgt Ion:113 Resp: 132633
Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.0
192 17.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.681 ug/l
RT: 7.998 min Scan# 1039
Delta R.T. -0.147 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Tgt Ion: 75 Resp: 20287
Ion Ratio Lower Upper
75 100
110 8.4 18.3 54.8#
77 0.0 25.1 37.7#

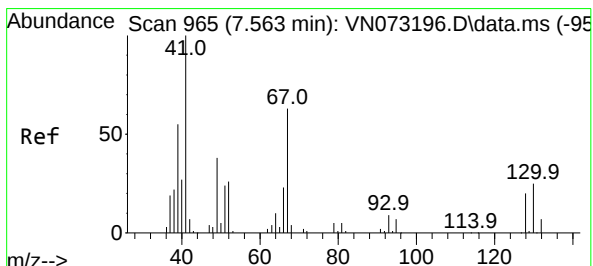
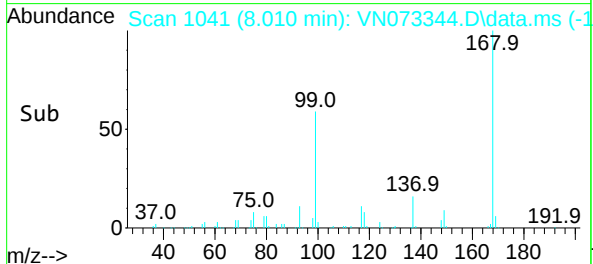
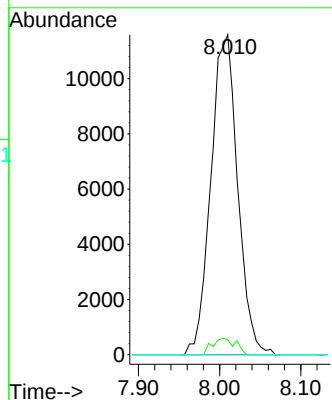
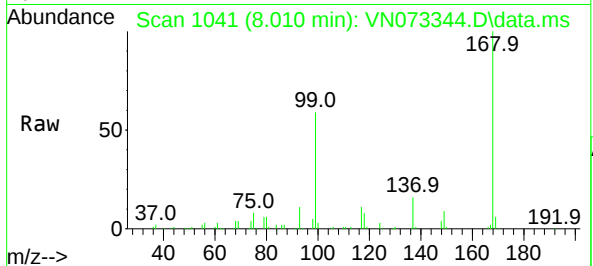




#38
Carbon Tetrachloride
Concen: 5.940 ug/l
RT: 8.010 min Scan# 1062
Delta R.T. -0.124 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

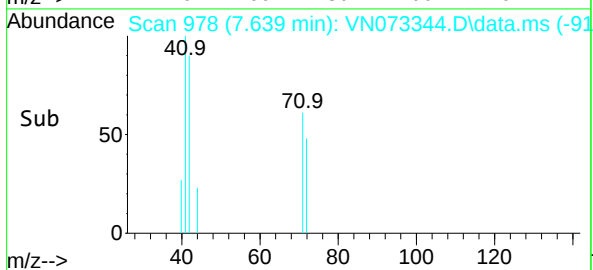
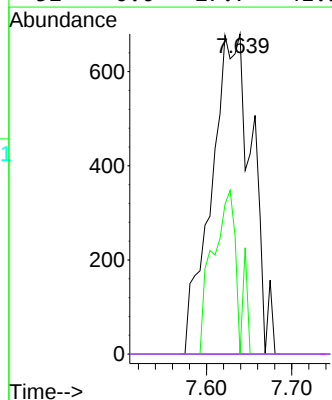
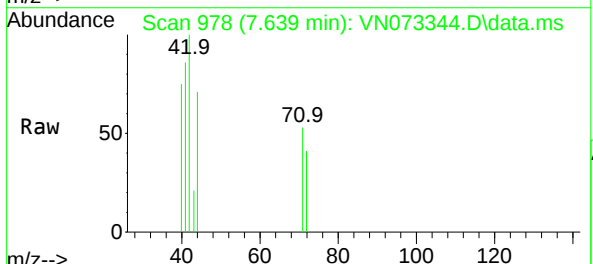
Instrument :
MSVOA_N
ClientSampleId :
TR-05-07012022

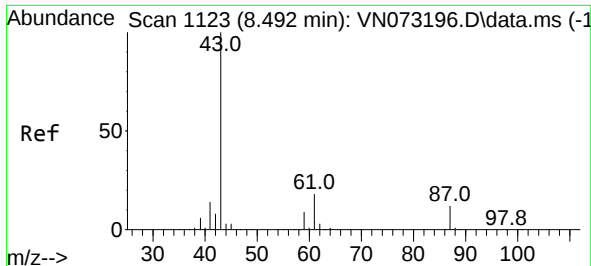
Tgt Ion:117 Resp: 26624
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.711 ug/l
RT: 7.639 min Scan# 978
Delta R.T. 0.076 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Tgt Ion: 41 Resp: 2258
Ion Ratio Lower Upper
41 100
39 31.3 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

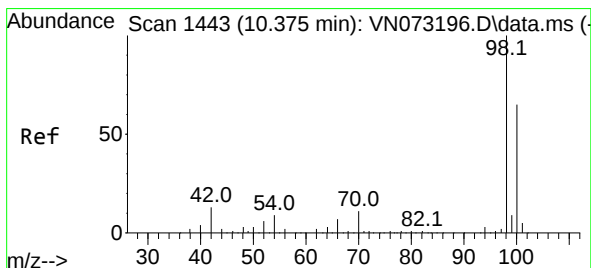
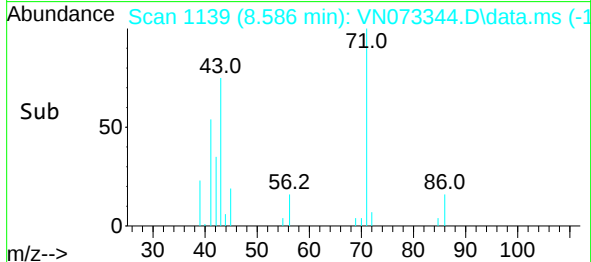
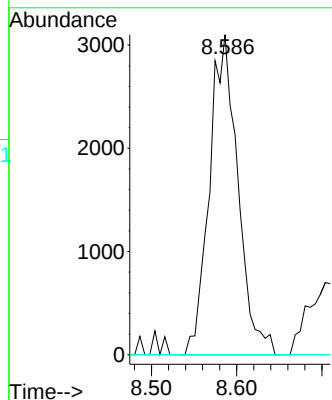
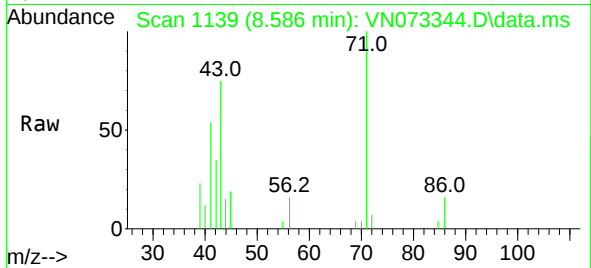




#43
Isopropyl Acetate
Concen: 0.766 ug/l
RT: 8.586 min Scan# 1123
Delta R.T. 0.094 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

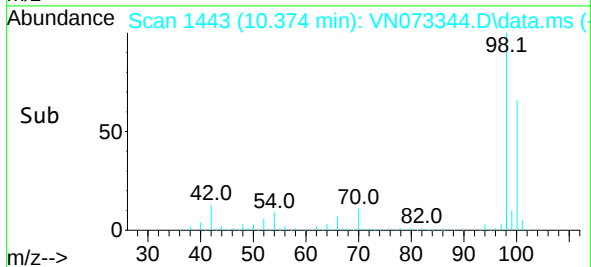
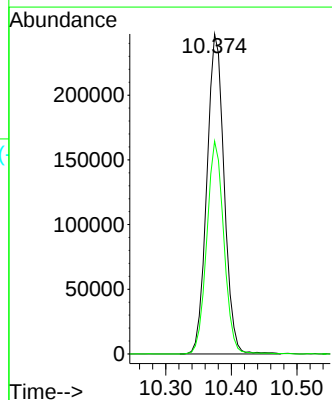
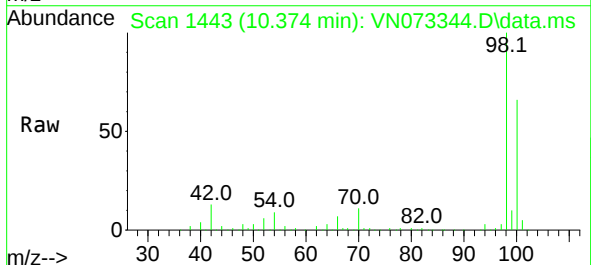
Instrument :
MSVOA_N
ClientSampleId :
TR-05-07012022

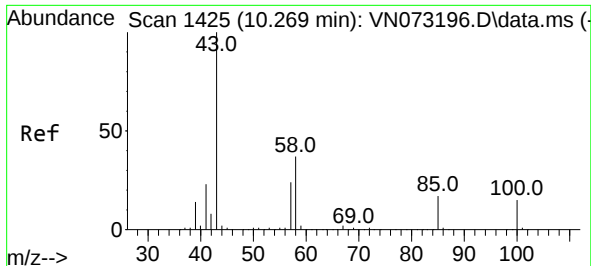
Tgt Ion: 43 Resp: 7206
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 45.281 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. -0.001 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Tgt Ion: 98 Resp: 453011
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

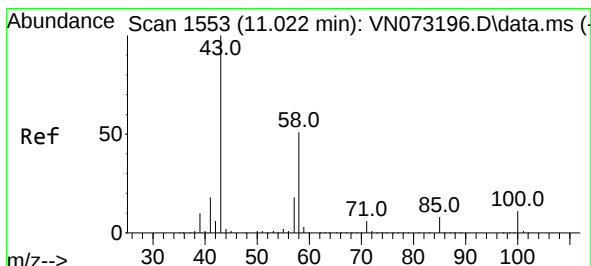
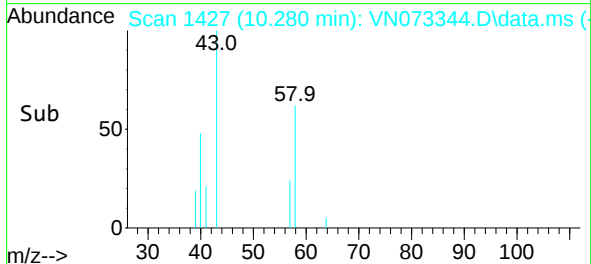
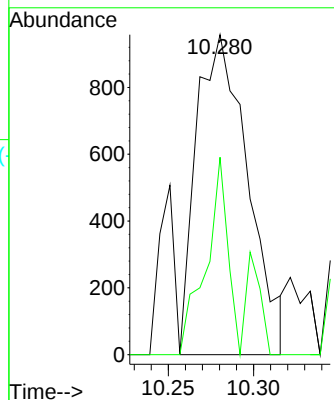
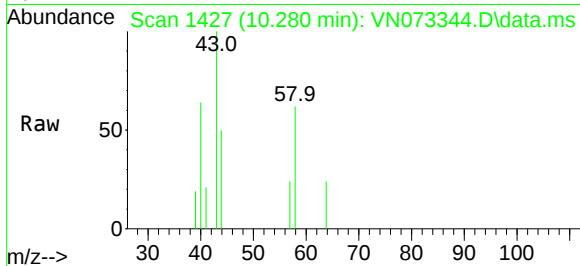




#51
4-Methyl-2-Pentanone
Concen: 0.338 ug/l
RT: 10.280 min Scan# 1427
Delta R.T. 0.011 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

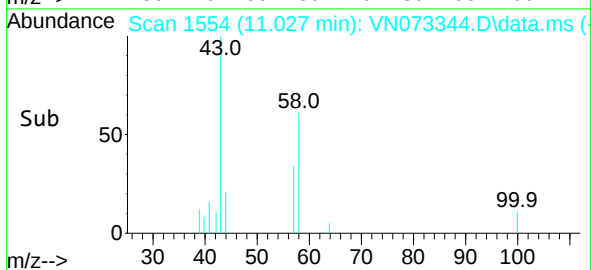
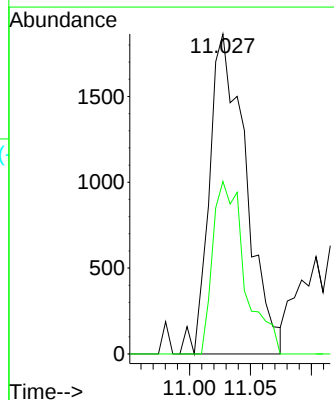
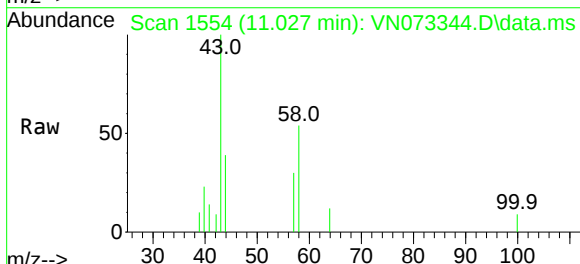
Instrument :
MSVOA_N
ClientSampleId :
TR-05-07012022

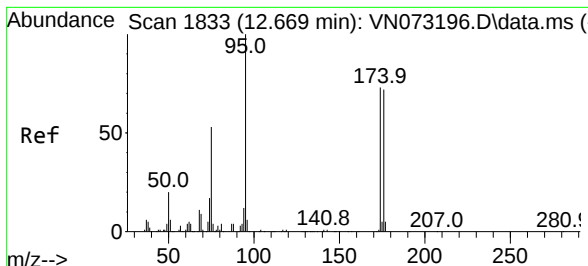
Tgt Ion: 43 Resp: 2016
Ion Ratio Lower Upper
43 100
58 26.3 34.1 51.1#



#59
2-Hexanone
Concen: 0.855 ug/l
RT: 11.027 min Scan# 1554
Delta R.T. 0.005 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Tgt Ion: 43 Resp: 3892
Ion Ratio Lower Upper
43 100
58 47.2 29.7 89.1

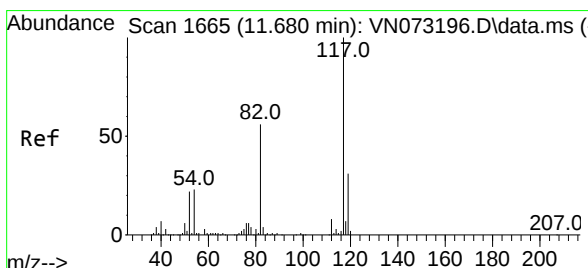
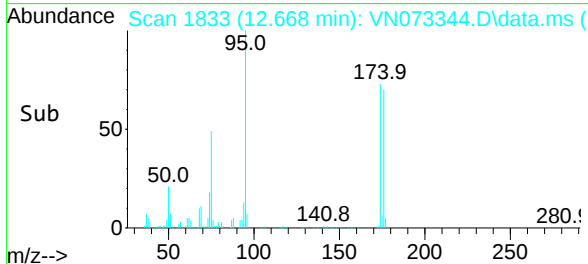
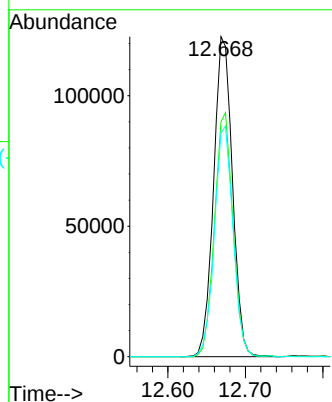
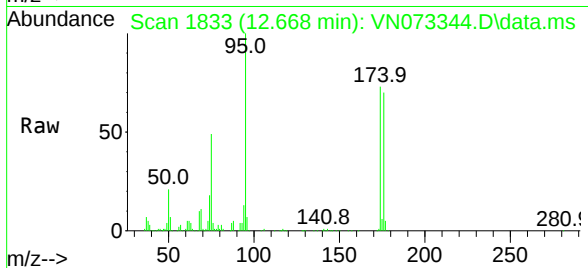




#62
4-Bromofluorobenzene
Concen: 53.795 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

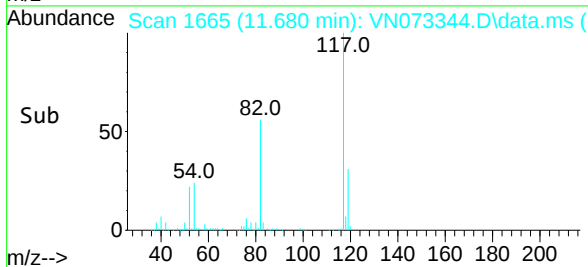
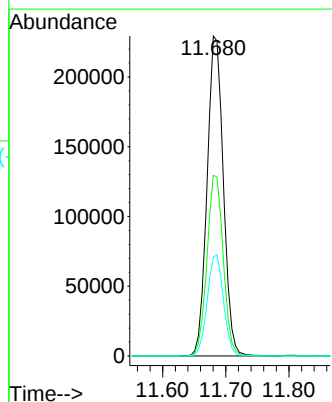
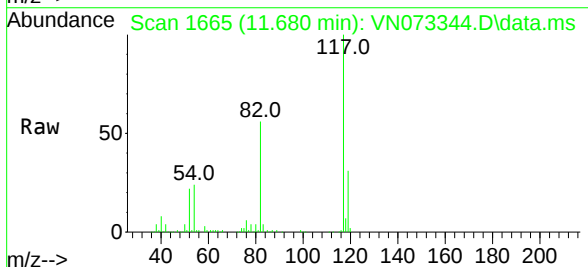
Instrument :
MSVOA_N
ClientSampleId :
TR-05-07012022

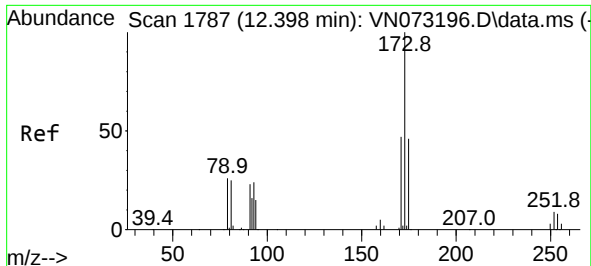
Tgt Ion: 95 Resp: 206824
Ion Ratio Lower Upper
95 100
174 75.0 0.0 167.6
176 71.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Tgt Ion: 117 Resp: 409304
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 30.9 25.4 38.0

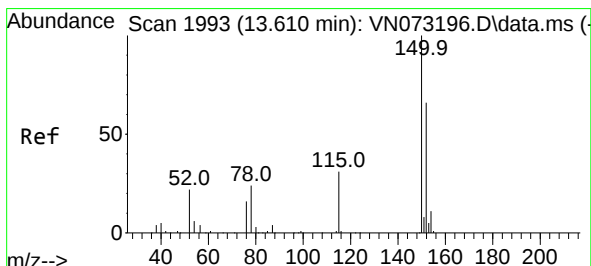
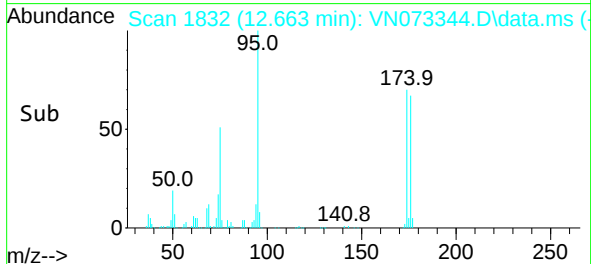
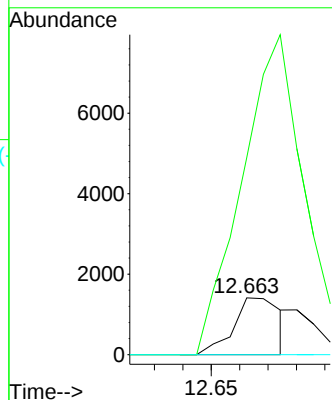
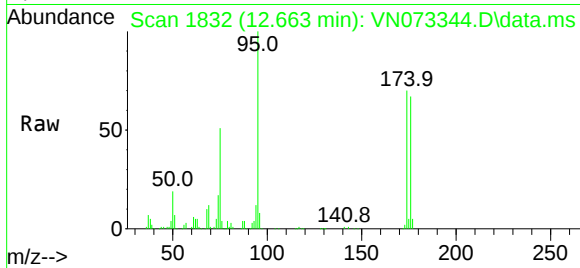




#71
Bromoform
Concen: 0.655 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.264 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

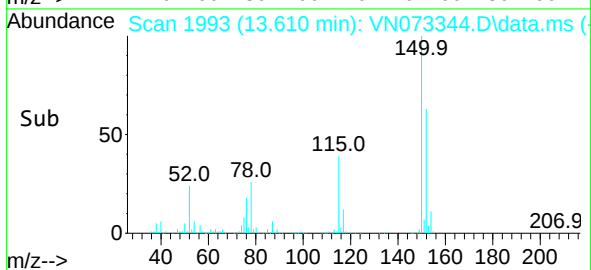
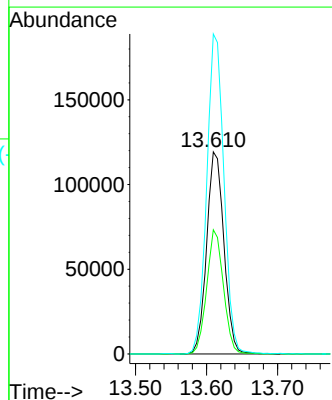
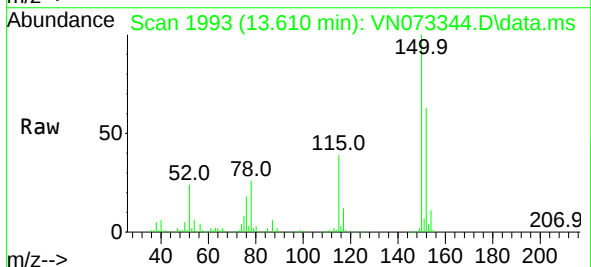
Instrument :
MSVOA_N
ClientSampleId :
TR-05-07012022

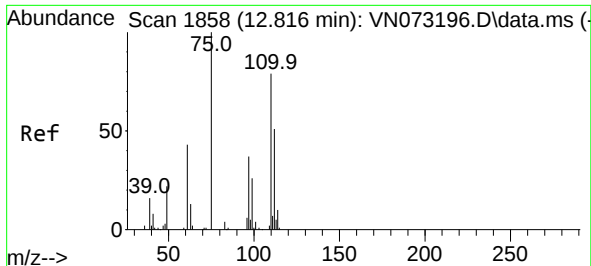
Tgt Ion:173 Resp: 1631
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Tgt Ion:152 Resp: 202191
Ion Ratio Lower Upper
152 100
115 59.4 28.9 86.7
150 157.3 0.0 356.2

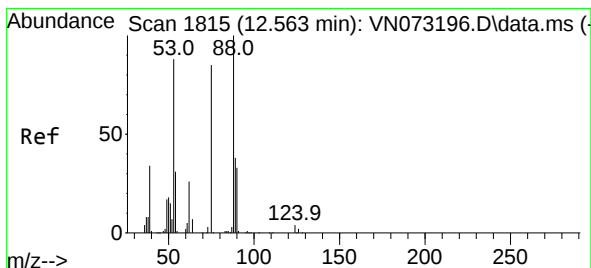
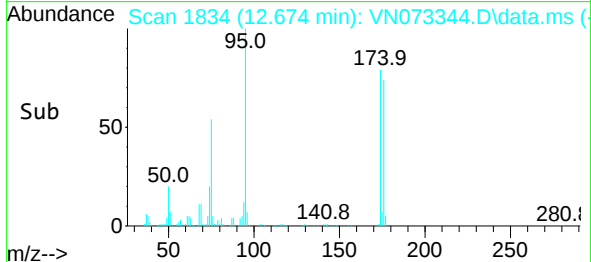
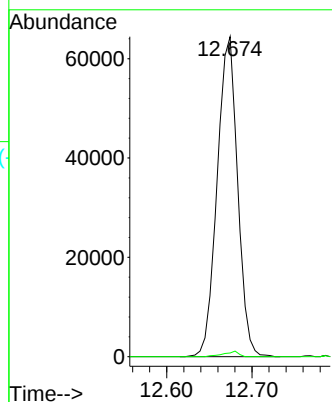
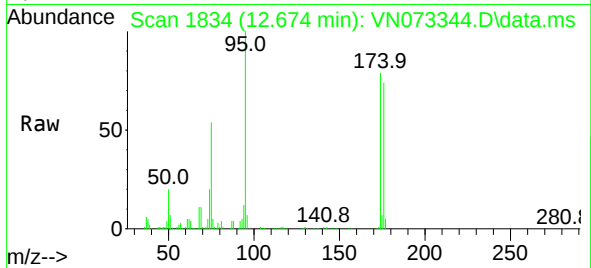




#76
 1,2,3-Trichloropropane
 Concen: 20.325 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.142 min
 Lab File: VN073344.D
 Acq: 06 Jul 2022 14:46

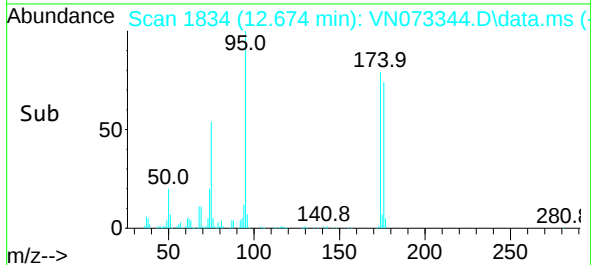
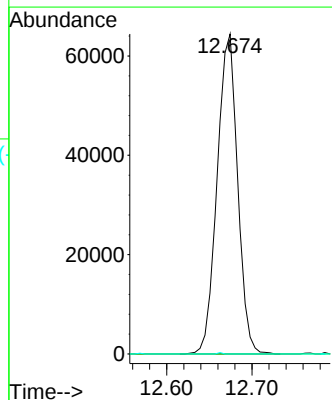
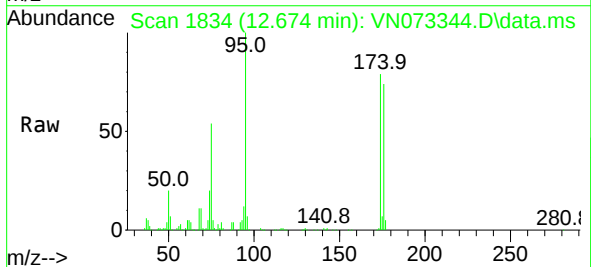
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-07012022

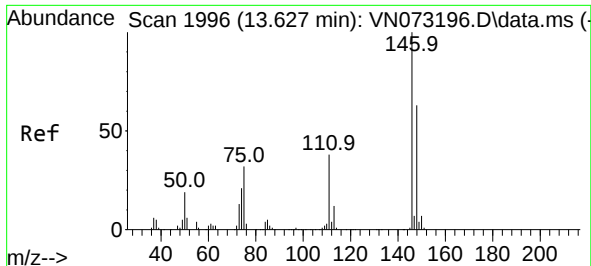
Tgt Ion: 75 Resp: 107454
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.739 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. 0.111 min
 Lab File: VN073344.D
 Acq: 06 Jul 2022 14:46

Tgt Ion: 75 Resp: 107454
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#

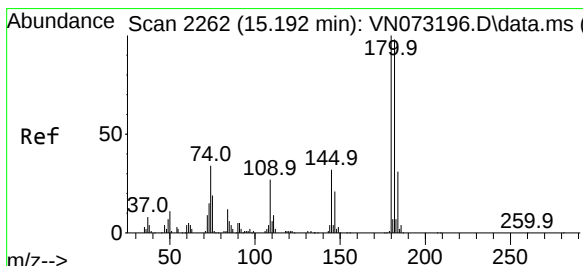
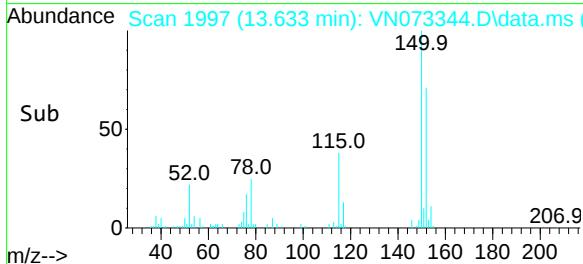
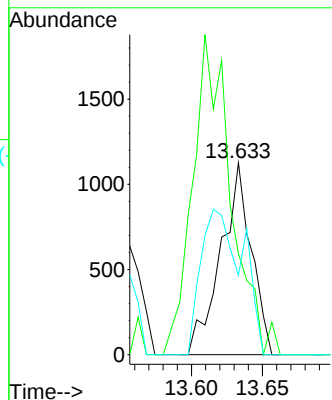
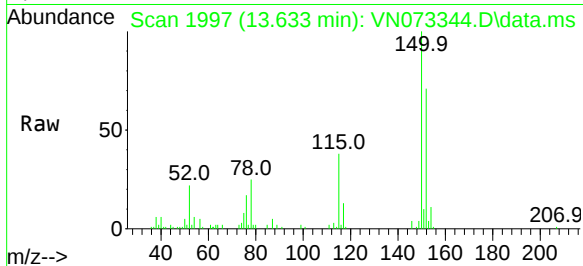




#88
 1,4-Dichlorobenzene
 Concen: 0.230 ug/l
 RT: 13.633 min Scan# 1996
 Delta R.T. 0.006 min
 Lab File: VN073344.D
 Acq: 06 Jul 2022 14:46

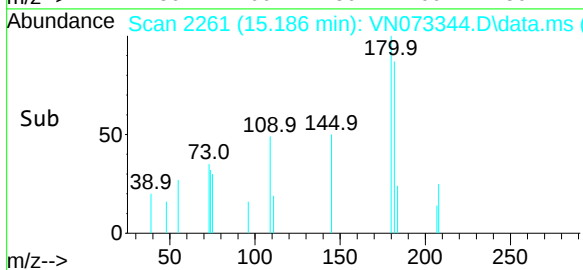
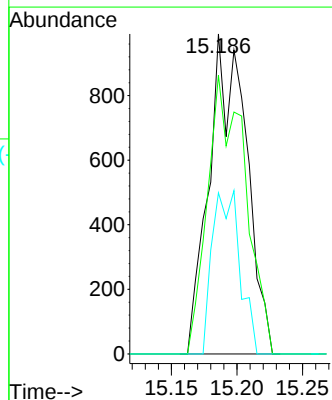
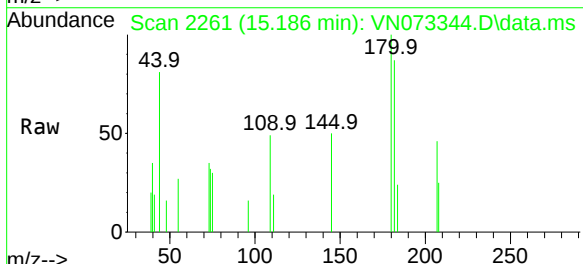
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-05-07012022

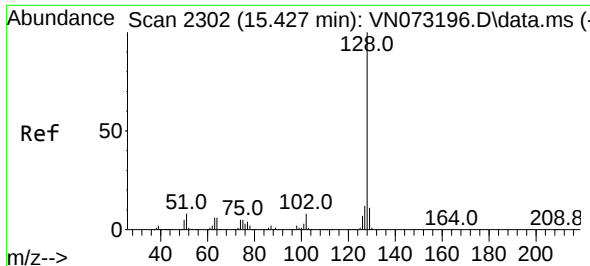
Tgt Ion:146 Resp: 1677
 Ion Ratio Lower Upper
 146 100
 111 0.0 19.1 57.1#
 148 0.0 31.4 94.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.507 ug/l
 RT: 15.186 min Scan# 2261
 Delta R.T. -0.006 min
 Lab File: VN073344.D
 Acq: 06 Jul 2022 14:46

Tgt Ion:180 Resp: 1960
 Ion Ratio Lower Upper
 180 100
 182 88.1 47.5 142.5
 145 37.6 14.5 43.5

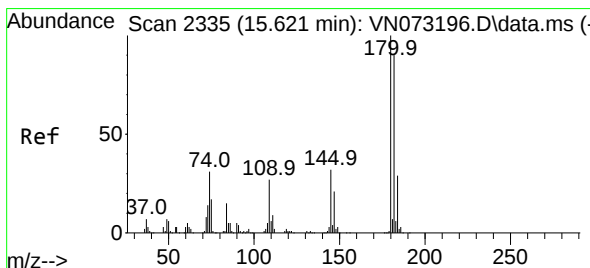
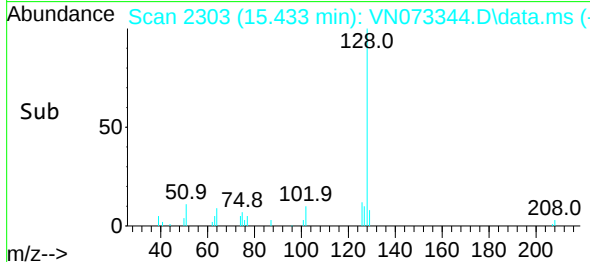
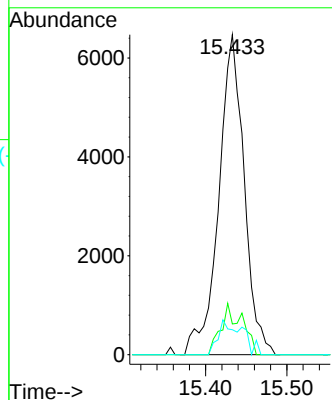
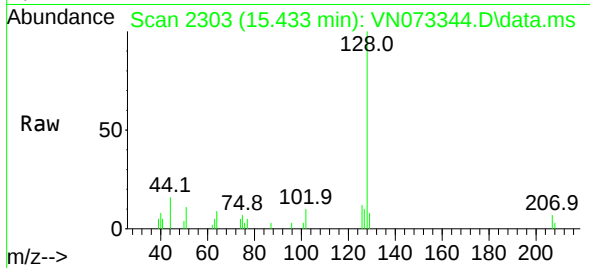




#95
Naphthalene
Concen: 0.903 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Instrument :
MSVOA_N
ClientSampleId :
TR-05-07012022

Tgt Ion:	128	Resp:	14068
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.3	15.5
129	10.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.664 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.006 min
Lab File: VN073344.D
Acq: 06 Jul 2022 14:46

Tgt Ion:	180	Resp:	2645
Ion Ratio	Lower	Upper	
180	100		
182	103.1	47.8	143.3
145	33.1	15.5	46.5

