

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073904.D
 Acq On : 15 Aug 2022 18:45
 Operator : JC\MD
 Sample : N4148-01
 Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 290533

Quant Time: Aug 15 23:59:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 15 23:50:46 2022
 Response via : Initial Calibration

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

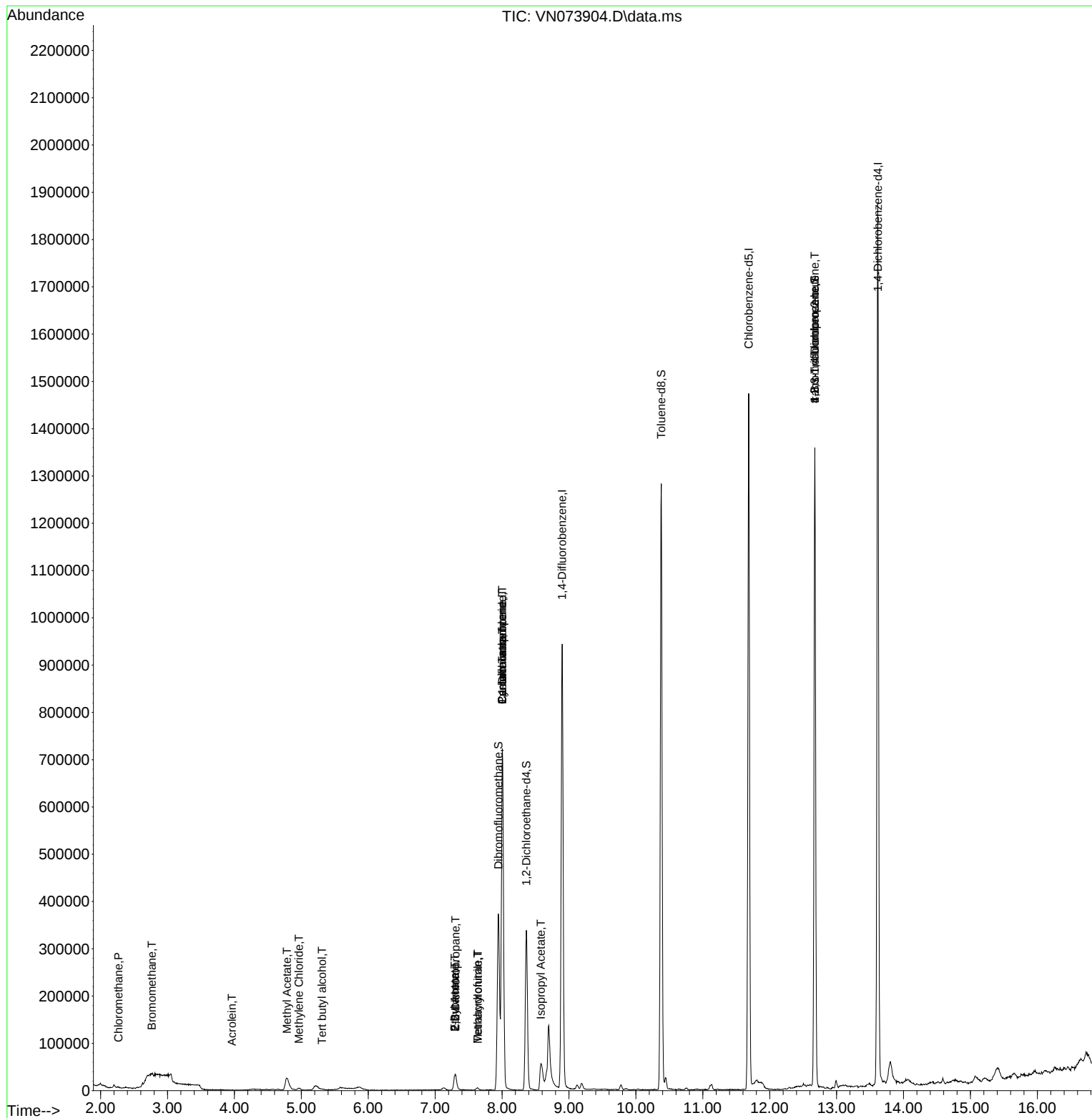
Internal Standards						
1) Pentafluorobenzene	8.004	168	623859	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.898	114	892482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	896614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	555777	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	285098	46.919	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.840%
35) Dibromofluoromethane	7.945	113	270999	51.345	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.680%
50) Toluene-d8	10.380	98	941843	46.075	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.160%
62) 4-Bromofluorobenzene	12.674	95	447703	65.993	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	131.980%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1620	0.294	ug/l #	86
5) Bromomethane	2.763	94	1074	0.244	ug/l #	35
11) Tert butyl alcohol	5.310	59	1492	1.098	ug/l #	72
13) Acrolein	3.963	56	289	0.304	ug/l #	53
18) Methyl Acetate	4.787	43	65270	6.918	ug/l	96
20) Methylene Chloride	4.963	84	2144	0.354	ug/l #	78
25) 2-Butanone	7.292	43	3563	0.784	ug/l #	45
26) 2,2-Dichloropropane	7.304	77	2643	0.292	ug/l #	53
29) Tetrahydrofuran	7.633	42	3467	1.189	ug/l	94
31) Cyclohexane	8.004	56	10052	1.187	ug/l #	1
36) 1,1-Dichloropropene	8.004	75	39307	5.362	ug/l #	48
37) Ethyl Acetate	7.292	43	3563	0.401	ug/l #	68
38) Carbon Tetrachloride	8.004	117	52755	6.296	ug/l #	16
41) Methacrylonitrile	7.639	41	2350	0.585	ug/l #	16
43) Isopropyl Acetate	8.580	43	51967	4.107	ug/l #	54
76) 1,2,3-Trichloropropane	12.674	75	217676	18.417	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	217676	53.594	ug/l #	10

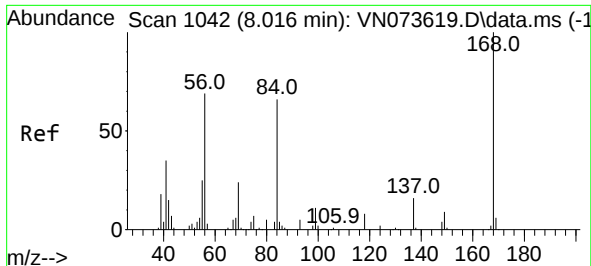
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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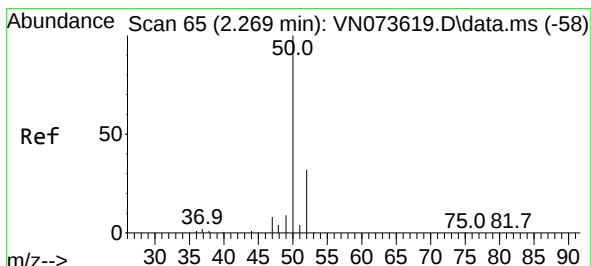
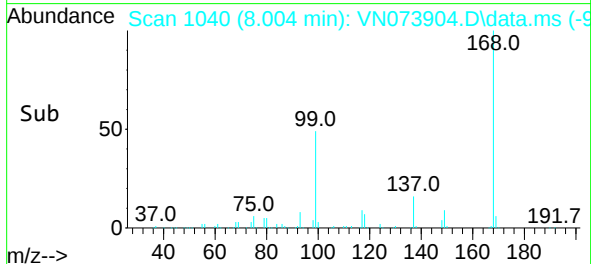
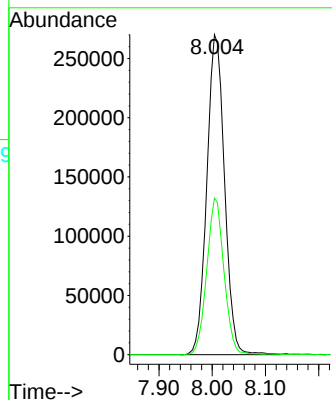
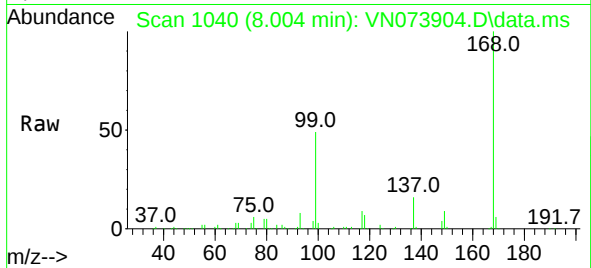




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.004 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

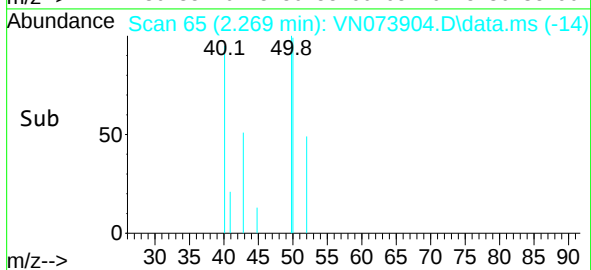
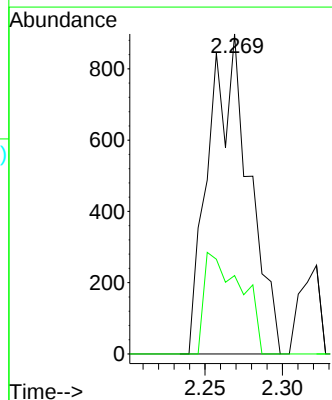
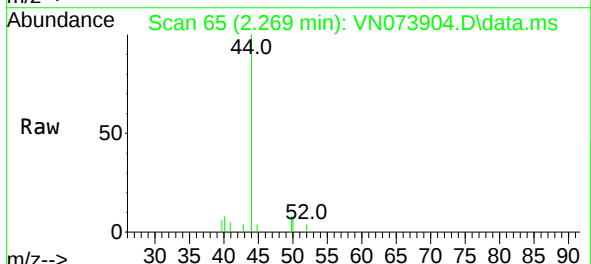
Instrument :
MSVOA_N
ClientSampleId :
290533

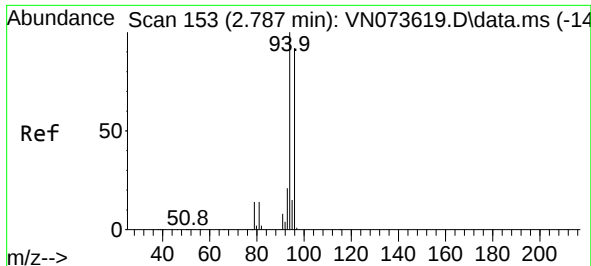
Tgt Ion:168 Resp: 623859
Ion Ratio Lower Upper
168 100
99 48.9 42.3 63.5



#3
Chloromethane
Concen: 0.294 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

Tgt Ion: 50 Resp: 1620
Ion Ratio Lower Upper
50 100
52 24.5 25.7 38.5#

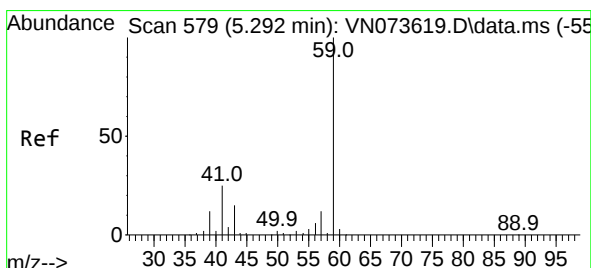
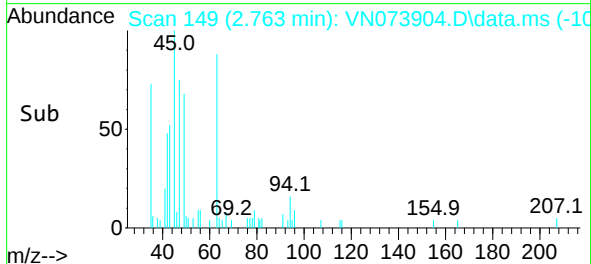
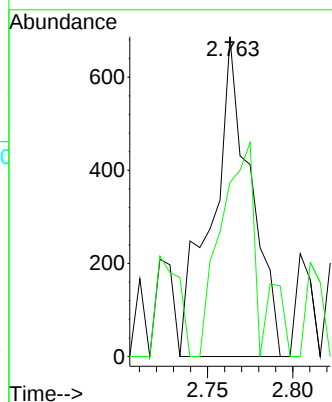
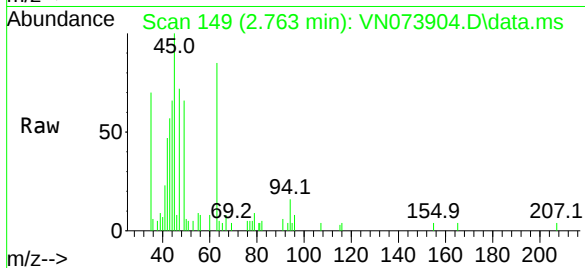




#5
Bromomethane
Concen: 0.244 ug/l
RT: 2.763 min Scan# 14
Delta R.T. -0.024 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

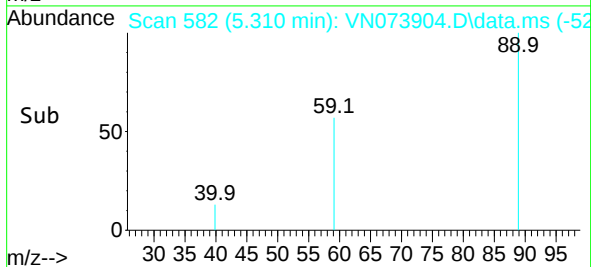
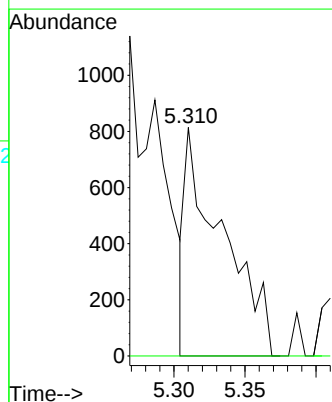
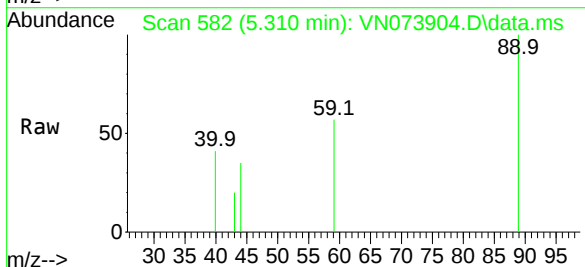
Instrument :
MSVOA_N
ClientSampleId :
290533

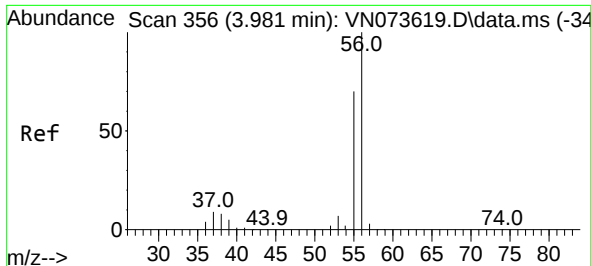
Tgt Ion: 94 Resp: 1074
Ion Ratio Lower Upper
94 100
96 32.3 76.0 114.0#



#11
Tert butyl alcohol
Concen: 1.098 ug/l
RT: 5.310 min Scan# 582
Delta R.T. 0.018 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

Tgt Ion: 59 Resp: 1492
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

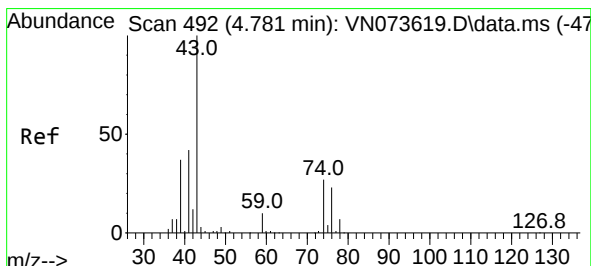
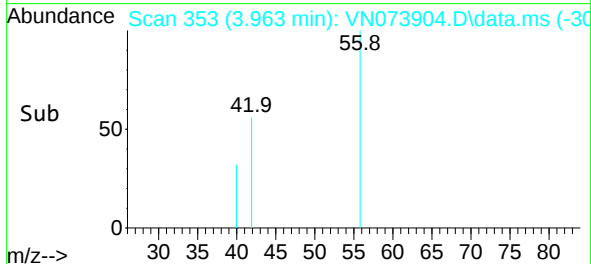
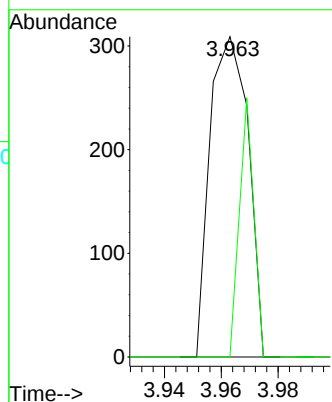
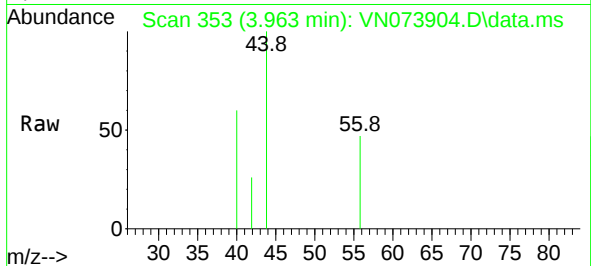




#13
Acrolein
Concen: 0.304 ug/l
RT: 3.963 min Scan# 31
Delta R.T. -0.018 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

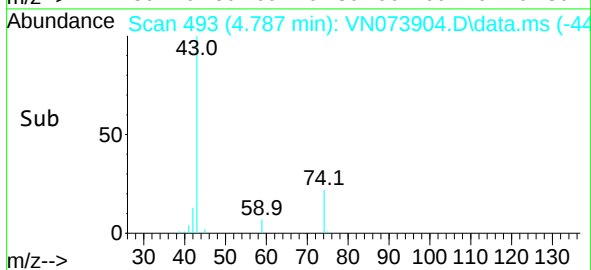
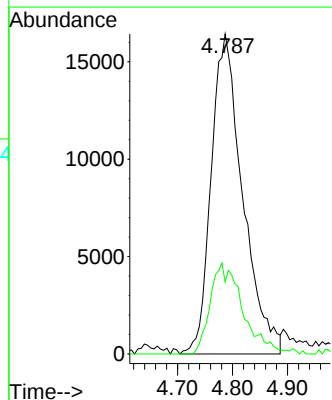
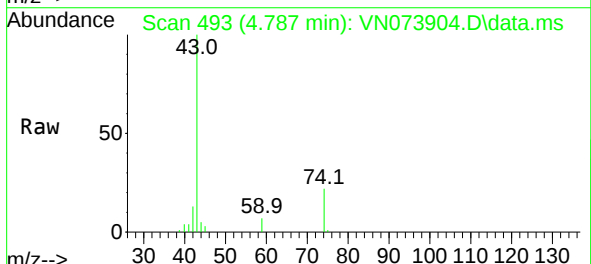
Instrument :
MSVOA_N
ClientSampleId :
290533

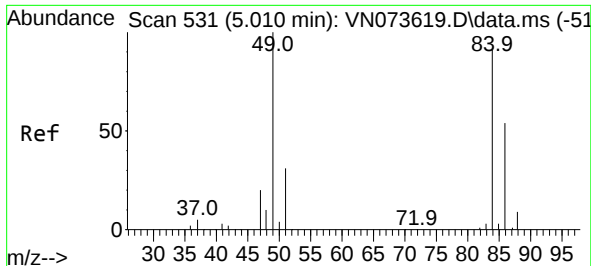
Tgt Ion: 56 Resp: 289
Ion Ratio Lower Upper
56 100
55 30.4 54.8 82.2#



#18
Methyl Acetate
Concen: 6.918 ug/l
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

Tgt Ion: 43 Resp: 65270
Ion Ratio Lower Upper
43 100
74 29.1 21.6 32.4



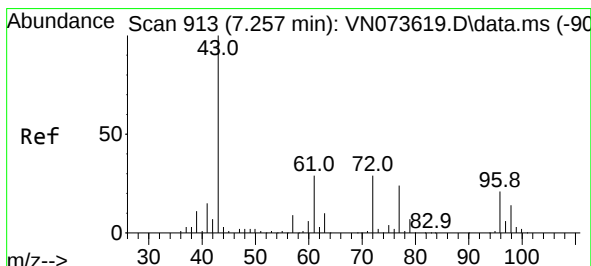
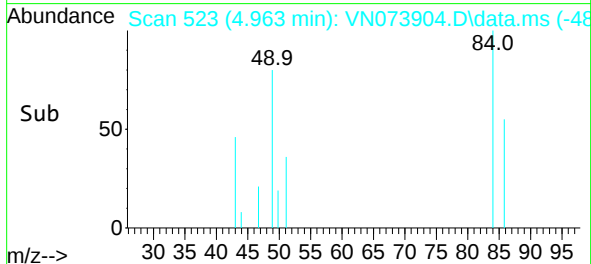
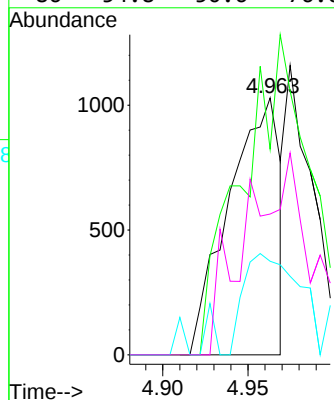
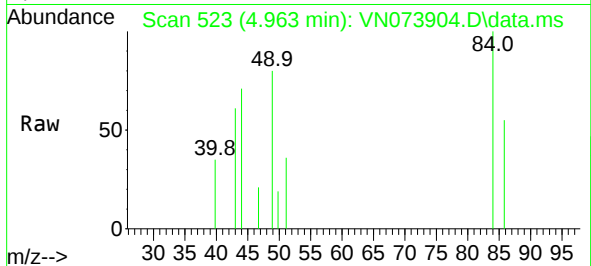


#20
Methylene Chloride
Concen: 0.354 ug/l
RT: 4.963 min Scan# 51
Delta R.T. -0.047 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

Instrument :
MSVOA_N
ClientSampleId :
290533

Tgt Ion: 84 Resp: 2144

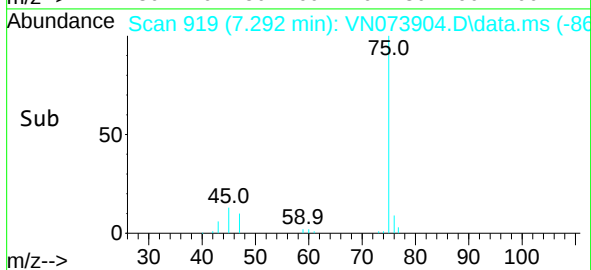
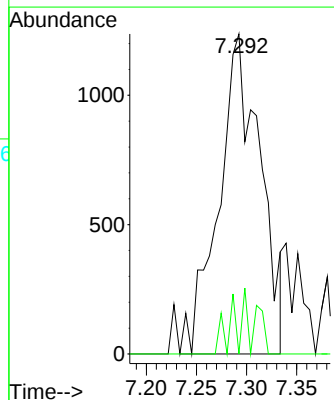
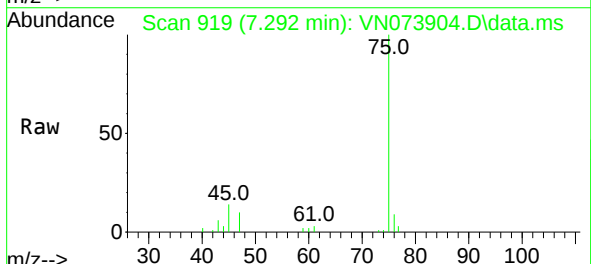
Ion	Ratio	Lower	Upper
84	100		
49	80.0	88.3	132.5#
51	21.8	28.2	42.2#
86	54.8	50.6	76.0

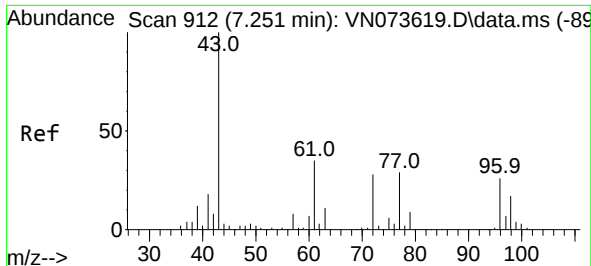


#25
2-Butanone
Concen: 0.784 ug/l
RT: 7.292 min Scan# 919
Delta R.T. 0.035 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

Tgt Ion: 43 Resp: 3563

Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#26

2,2-Dichloropropane

Concen: 0.292 ug/l

RT: 7.304 min Scan# 912

Delta R.T. 0.053 min

Lab File: VN073904.D

Acq: 15 Aug 2022 18:45

Instrument :

MSVOA_N

ClientSampleId :

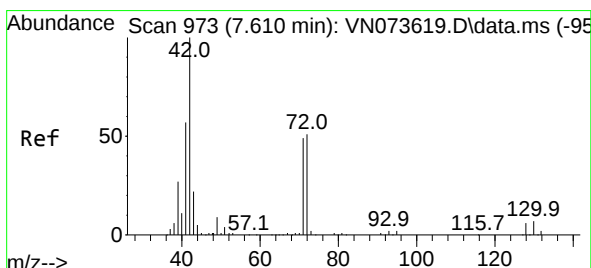
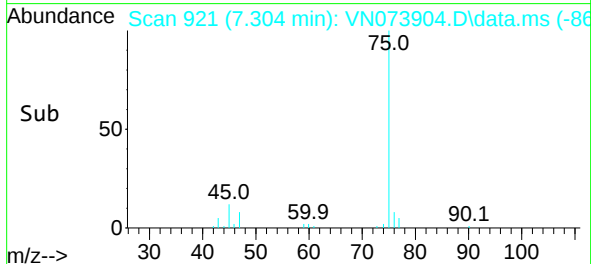
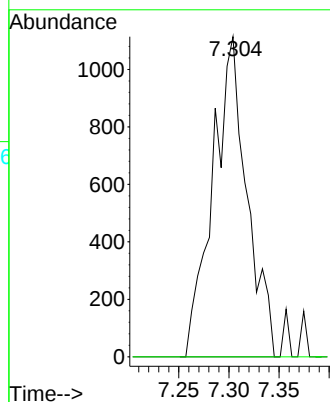
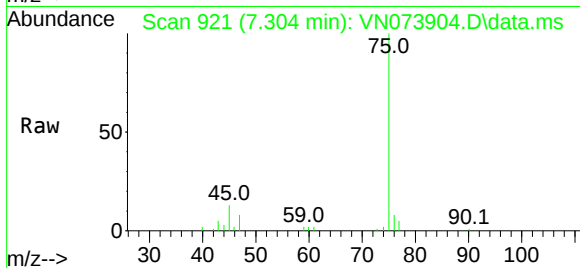
290533

Tgt Ion: 77 Resp: 2643

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 1.189 ug/l

RT: 7.633 min Scan# 977

Delta R.T. 0.023 min

Lab File: VN073904.D

Acq: 15 Aug 2022 18:45

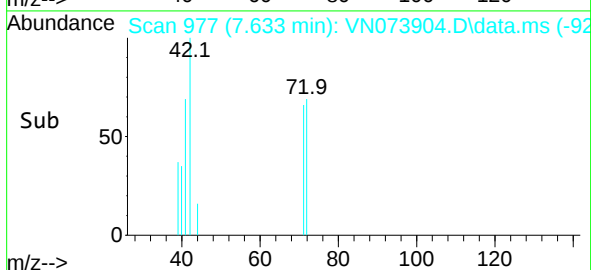
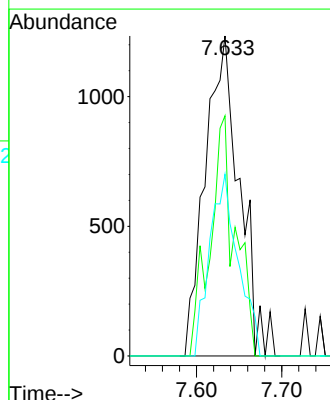
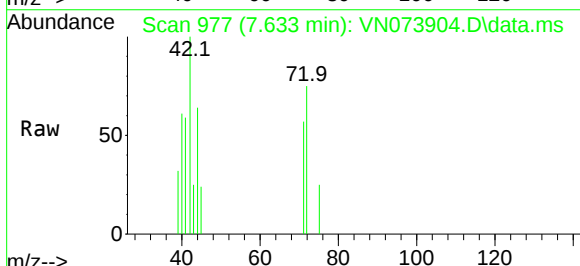
Tgt Ion: 42 Resp: 3467

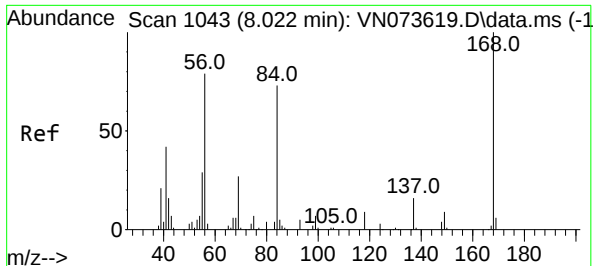
Ion Ratio Lower Upper

42 100

72 55.8 39.7 59.5

71 47.1 36.6 55.0





#31

Cyclohexane

Concen: 1.187 ug/l

RT: 8.004 min Scan# 1101

Delta R.T. -0.018 min

Lab File: VN073904.D

Acq: 15 Aug 2022 18:45

Instrument :

MSVOA_N

ClientSampleId :

290533

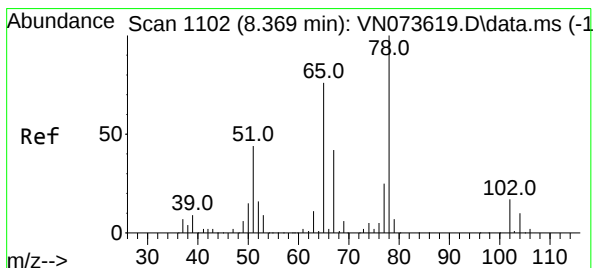
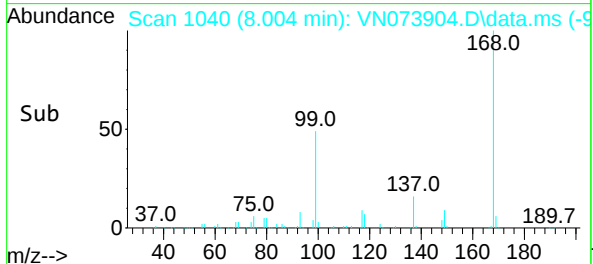
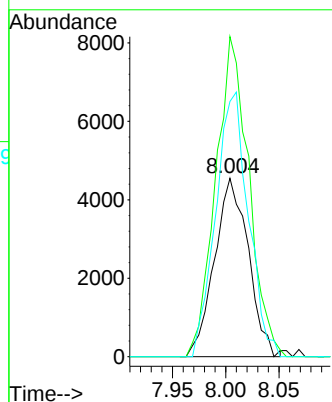
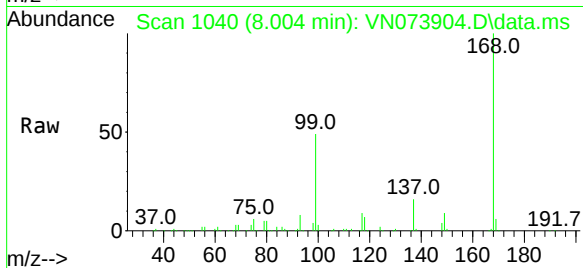
Tgt Ion: 56 Resp: 10052

Ion Ratio Lower Upper

56 100

69 179.4 27.8 41.8#

84 143.1 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 46.919 ug/l

RT: 8.363 min Scan# 1101

Delta R.T. -0.006 min

Lab File: VN073904.D

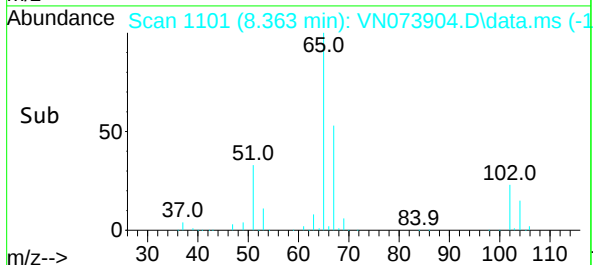
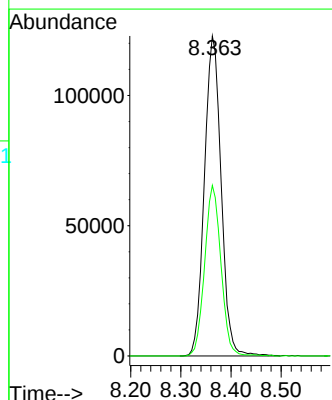
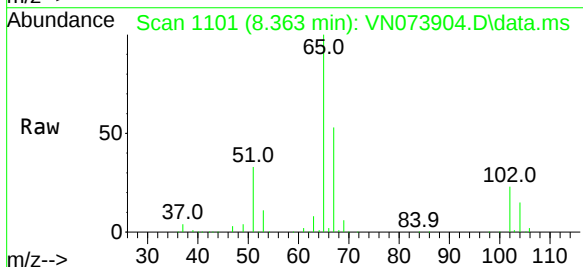
Acq: 15 Aug 2022 18:45

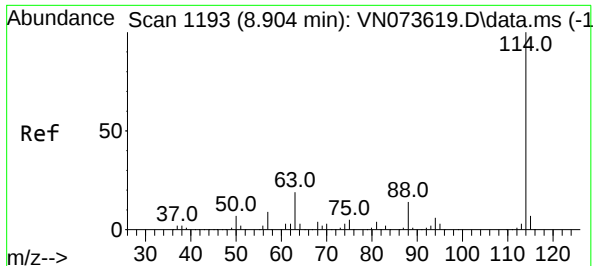
Tgt Ion: 65 Resp: 285098

Ion Ratio Lower Upper

65 100

67 51.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. -0.006 min

Lab File: VN073904.D

Acq: 15 Aug 2022 18:45

Instrument :

MSVOA_N

ClientSampleId :

290533

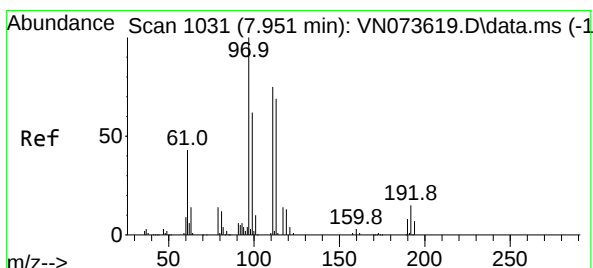
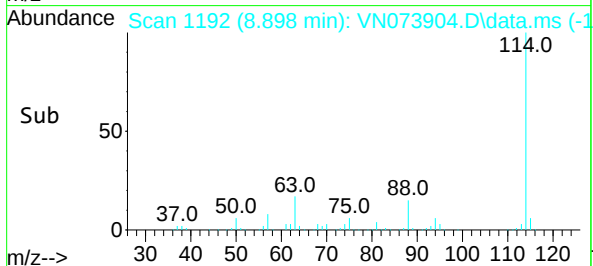
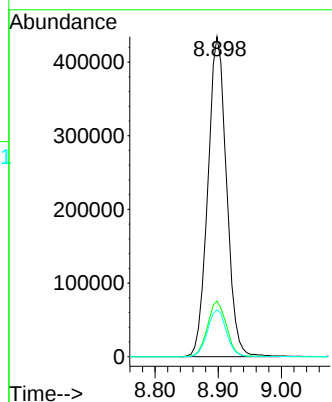
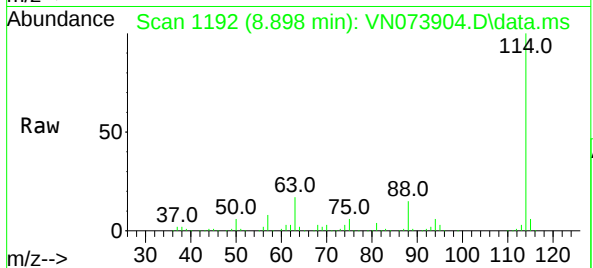
Tgt Ion:114 Resp: 892482

Ion Ratio Lower Upper

114 100

63 17.4 0.0 40.0

88 14.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.345 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN073904.D

Acq: 15 Aug 2022 18:45

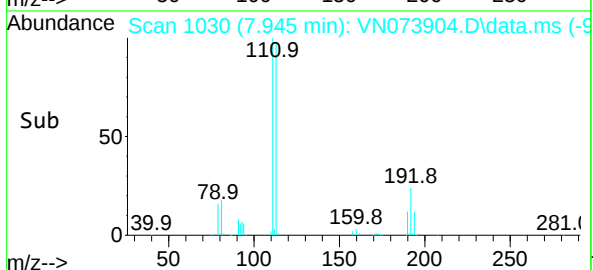
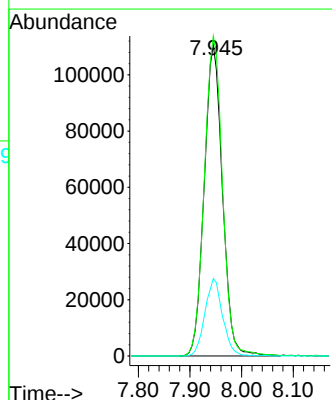
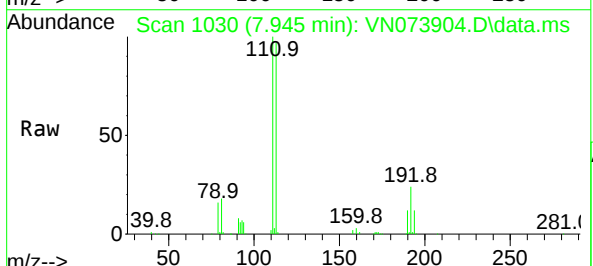
Tgt Ion:113 Resp: 270999

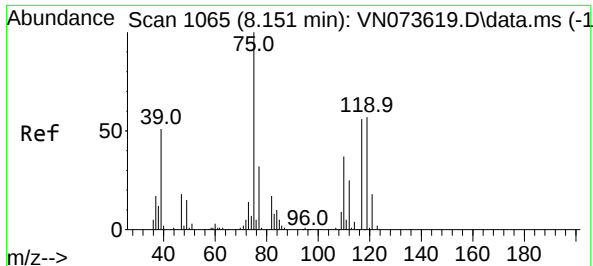
Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 24.1 17.0 25.6

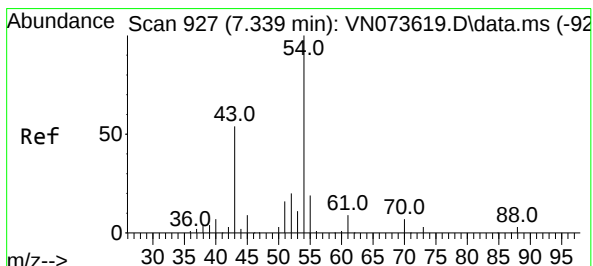
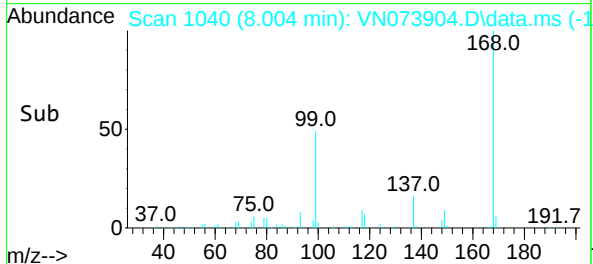
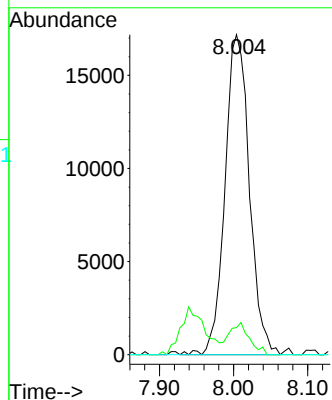
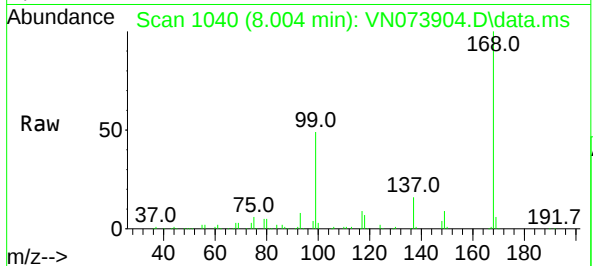




#36
1,1-Dichloropropene
Concen: 5.362 ug/l
RT: 8.004 min Scan# 1065
Delta R.T. -0.147 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

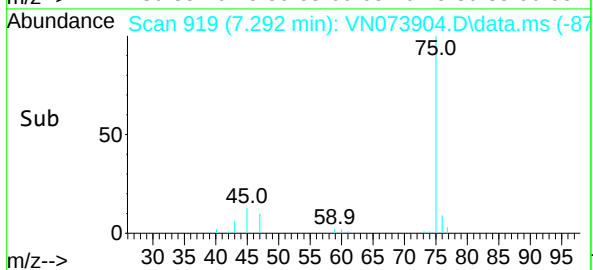
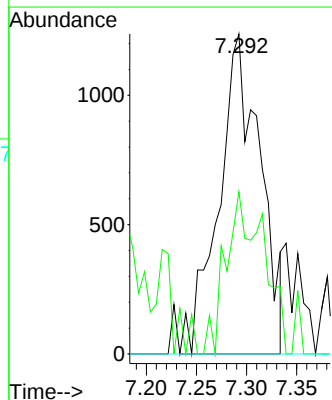
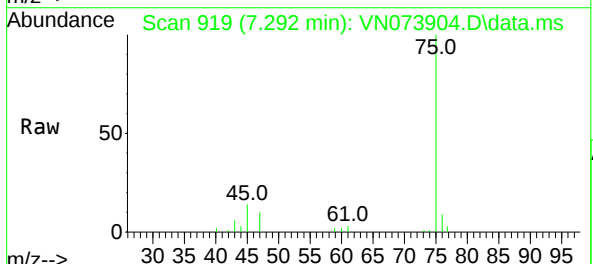
Instrument :
MSVOA_N
ClientSampleId :
290533

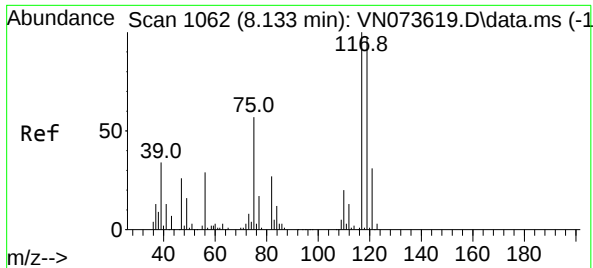
Tgt Ion: 75 Resp: 39307
Ion Ratio Lower Upper
75 100
110 8.5 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 0.401 ug/l
RT: 7.292 min Scan# 919
Delta R.T. -0.047 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

Tgt Ion: 43 Resp: 3563
Ion Ratio Lower Upper
43 100
61 28.5 11.8 17.6#
70 0.0 9.3 13.9#

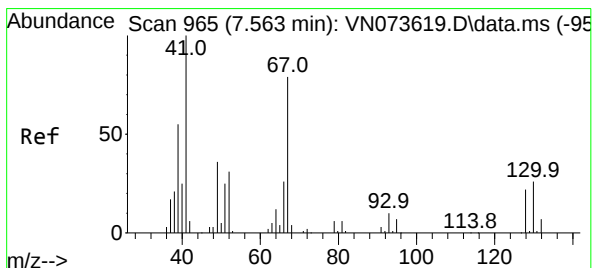
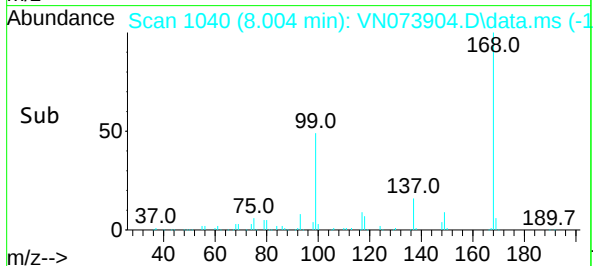
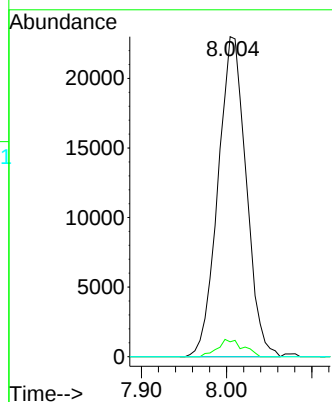
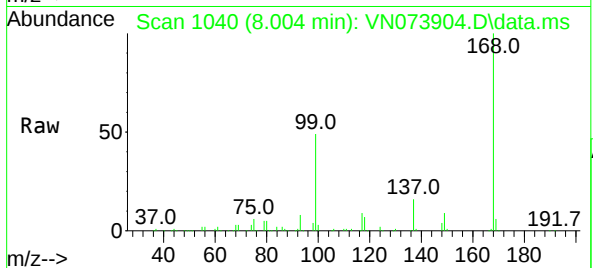




#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 8.004 min Scan# 117
Delta R.T. -0.129 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

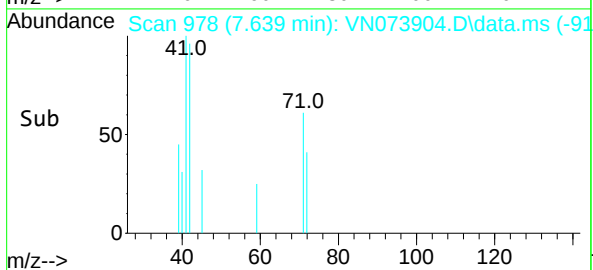
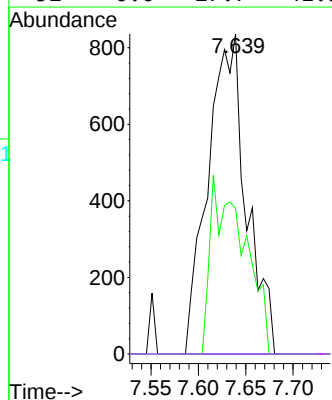
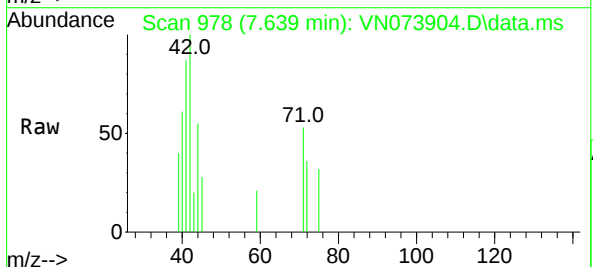
Instrument :
MSVOA_N
ClientSampleId :
290533

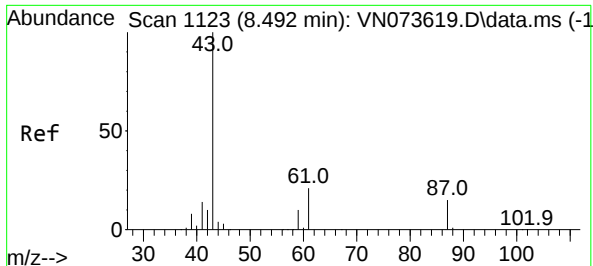
Tgt Ion:117 Resp: 52755
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.585 ug/l
RT: 7.639 min Scan# 978
Delta R.T. 0.076 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

Tgt Ion: 41 Resp: 2350
Ion Ratio Lower Upper
41 100
39 0.0 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#





#43

Isopropyl Acetate

Concen: 4.107 ug/l

RT: 8.580 min Scan# 1123

Delta R.T. 0.088 min

Lab File: VN073904.D

Acq: 15 Aug 2022 18:45

Instrument :

MSVOA_N

ClientSampleId :

290533

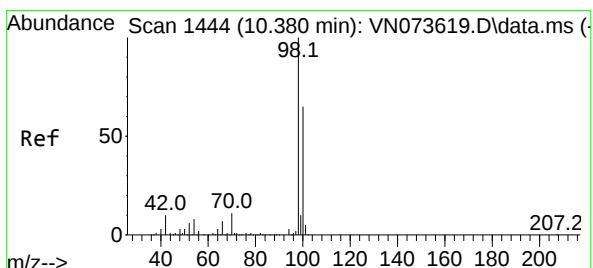
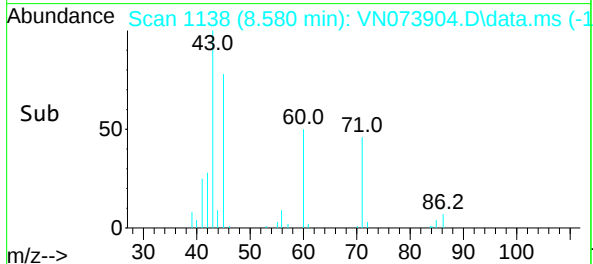
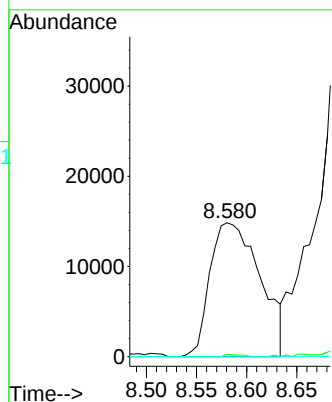
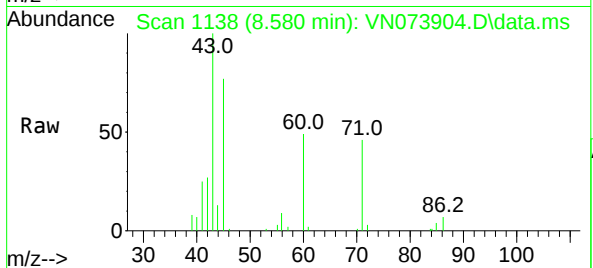
Tgt Ion: 43 Resp: 51967

Ion Ratio Lower Upper

43 100

61 0.5 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 46.075 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN073904.D

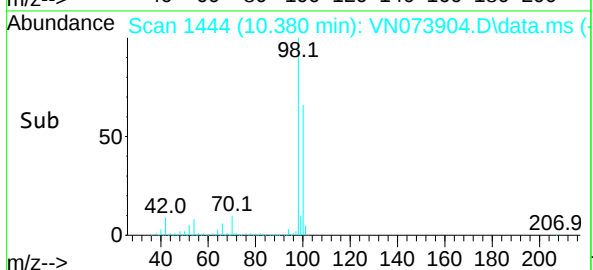
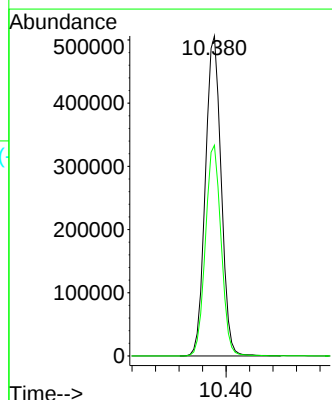
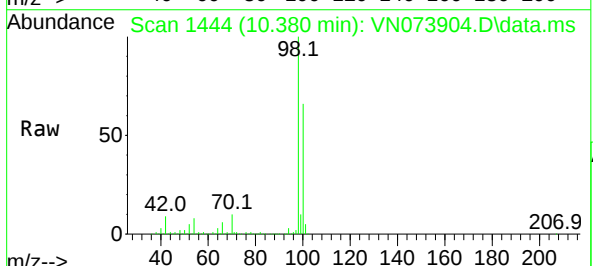
Acq: 15 Aug 2022 18:45

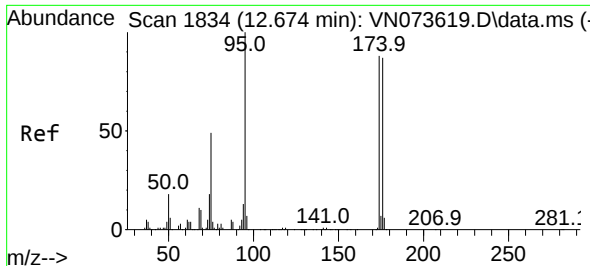
Tgt Ion: 98 Resp: 941843

Ion Ratio Lower Upper

98 100

100 65.5 52.6 78.8

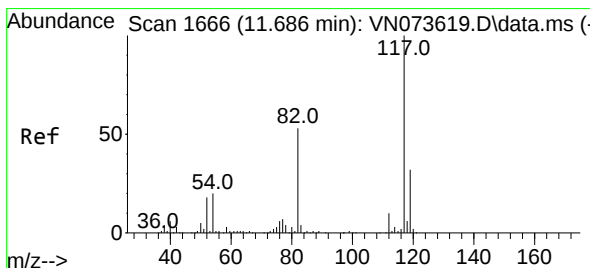
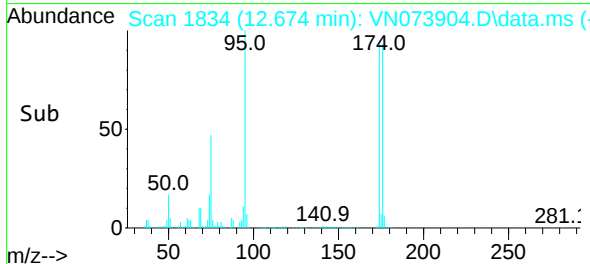
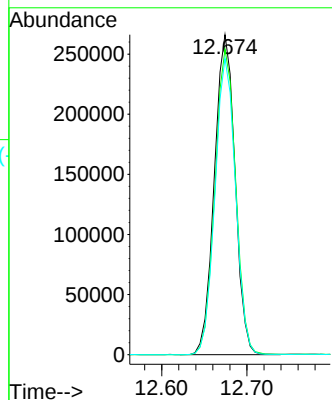
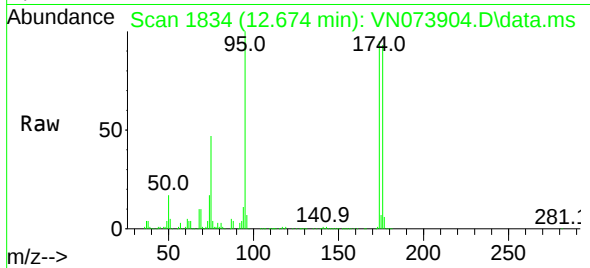




#62
4-Bromofluorobenzene
Concen: 65.993 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

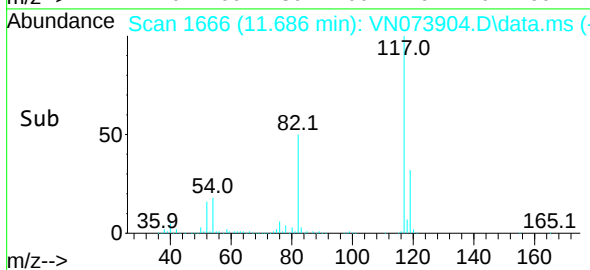
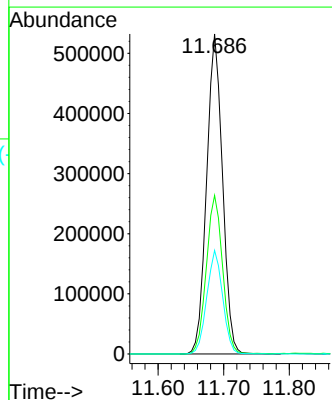
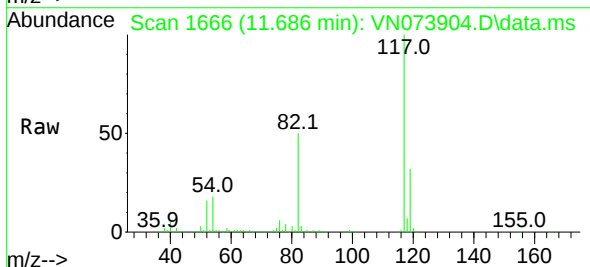
Instrument :
MSVOA_N
ClientSampleId :
290533

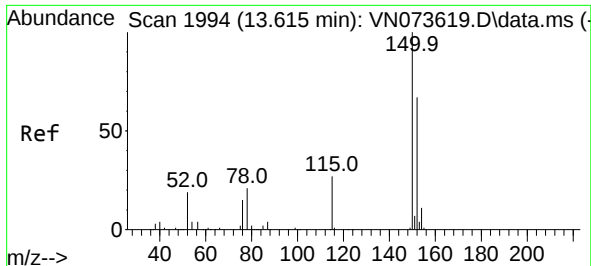
Tgt Ion: 95 Resp: 447703
Ion Ratio Lower Upper
95 100
174 95.9 0.0 167.6
176 92.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073904.D
Acq: 15 Aug 2022 18:45

Tgt Ion: 117 Resp: 896614
Ion Ratio Lower Upper
117 100
82 49.6 44.2 66.2
119 32.3 25.4 38.0

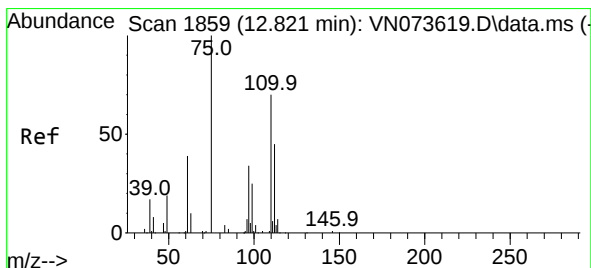
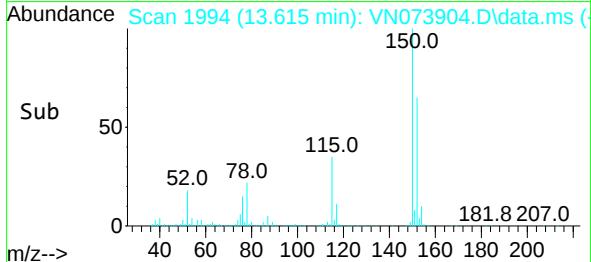
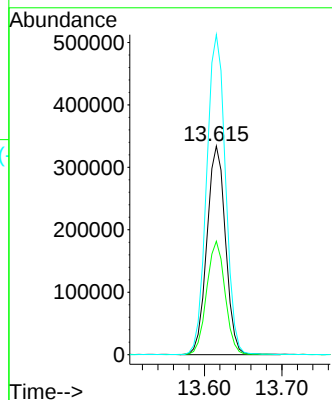
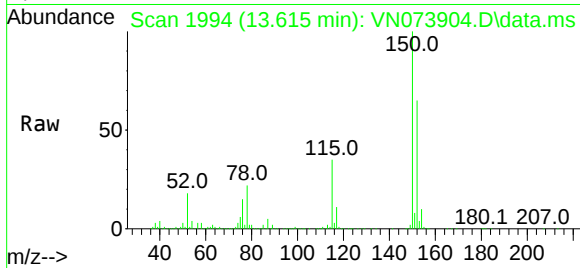




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: VN073904.D
 Acq: 15 Aug 2022 18:45

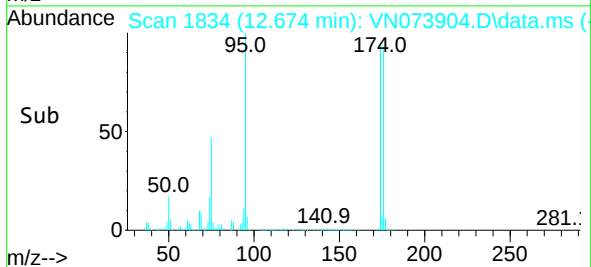
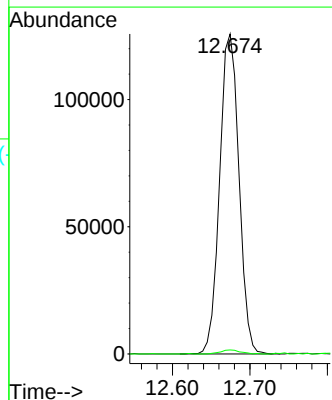
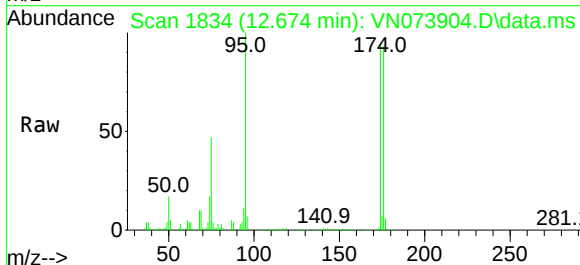
Instrument :
 MSVOA_N
 ClientSampleId :
 290533

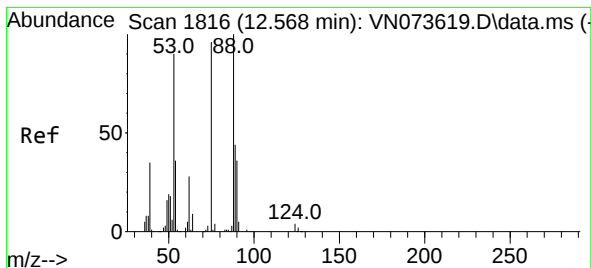
Tgt Ion:152 Resp: 555777
 Ion Ratio Lower Upper
 152 100
 115 53.8 28.9 86.7
 150 155.8 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 18.417 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073904.D
 Acq: 15 Aug 2022 18:45

Tgt Ion: 75 Resp: 217676
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.594 ug/l
 RT: 12.674 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN073904.D
 Acq: 15 Aug 2022 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
 290533

Tgt Ion: 75 Resp: 217676
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

