

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071522\
 Data File : VN073479.D
 Acq On : 15 Jul 2022 12:28
 Operator : JC\MD
 Sample : N3697-02 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CASING-NUMBER-5D-WATERING

Quant Time: Jul 16 04:12:46 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	254488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	428261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	385905	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	173027	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	170643	46.448	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.900%
35) Dibromofluoromethane	7.951	113	142354	49.961	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.920%
50) Toluene-d8	10.380	98	456292	45.090	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.180%
62) 4-Bromofluorobenzene	12.669	95	183909	47.290	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.580%

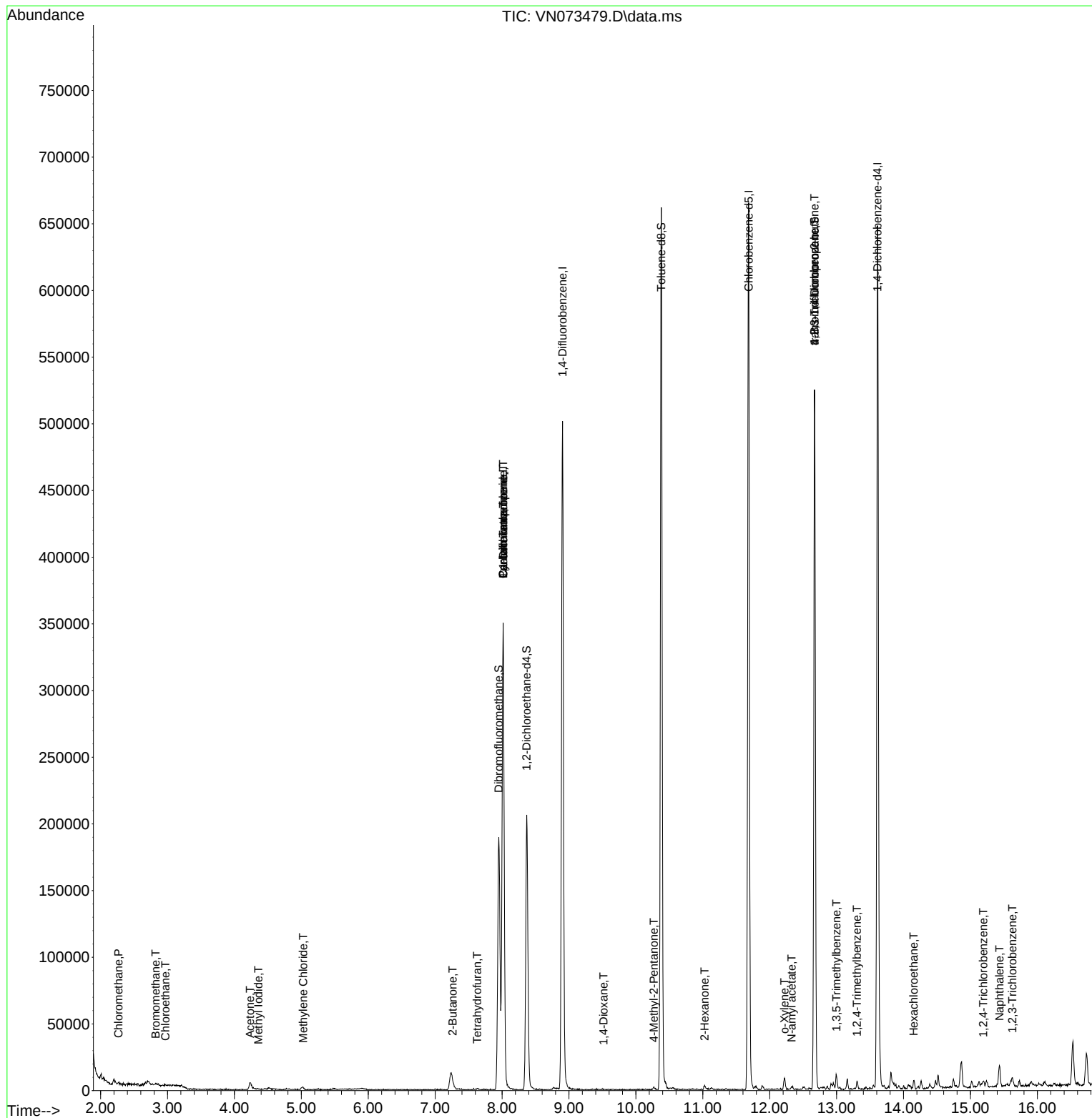
Target Compounds						Qvalue
3) Chloromethane	2.269	50	745	0.206	ug/l #	9
5) Bromomethane	2.822	94	347	0.239	ug/l #	58
6) Chloroethane	2.969	64	471	0.261	ug/l #	42
10) Methyl Iodide	4.357	142	303	3.801	ug/l #	70
16) Acetone	4.234	43	9318	4.519	ug/l	90
20) Methylene Chloride	5.028	84	1167	0.322	ug/l #	54
25) 2-Butanone	7.263	43	6040	1.840	ug/l #	75
29) Tetrahydrofuran	7.628	42	660	0.294	ug/l #	36
31) Cyclohexane	8.016	56	6191	1.029	ug/l #	37
36) 1,1-Dichloropropene	8.016	75	21968	5.011	ug/l #	49
38) Carbon Tetrachloride	8.016	117	26403	5.824	ug/l #	17
49) 1,4-Dioxane	9.516	88	66	0.789	ug/l #	25
51) 4-Methyl-2-Pentanone	10.269	43	1528	0.253	ug/l #	80
59) 2-Hexanone	11.027	43	2684	0.583	ug/l	88
69) o-Xylene	12.222	106	2167	0.355	ug/l	98
74) N-amyl acetate	12.327	43	1593	0.213	ug/l #	46
76) 1,2,3-Trichloropropane	12.669	75	97215	21.487	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.998	105	4767	0.391	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.669	75	97215	58.928	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.304	105	3864	0.318	ug/l	90
90) Hexachloroethane	14.151	117	501	0.227	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.192	180	1884	0.570	ug/l	85
95) Naphthalene	15.433	128	15228	1.142	ug/l	97
96) 1,2,3-Trichlorobenzene	15.627	180	2936	0.861	ug/l	90

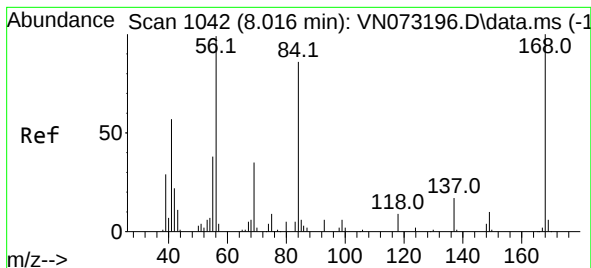
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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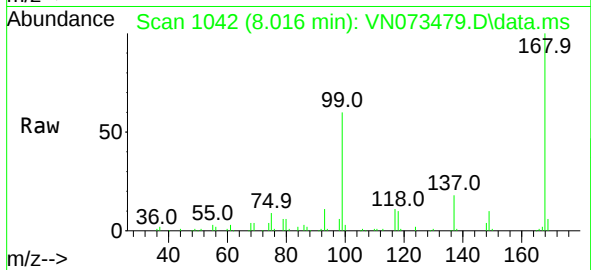
Quant Time: Jul 16 04:12:46 2022
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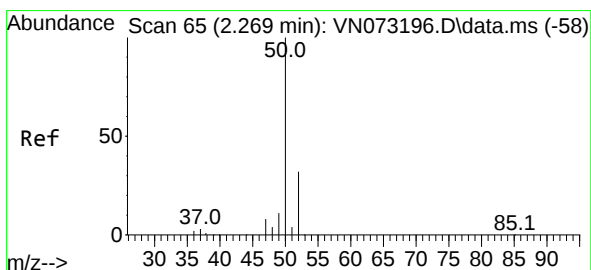
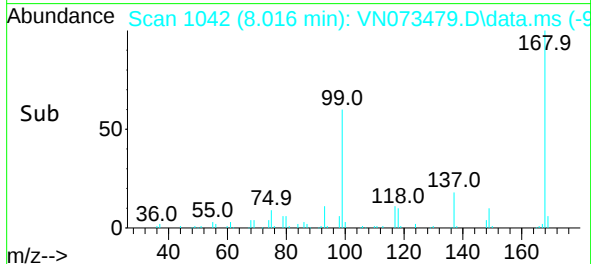
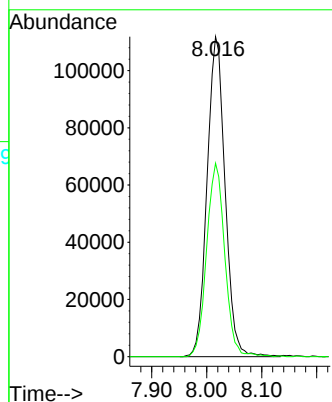


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Instrument : MSVOA_N
ClientSampleId : CASING-NUMBER-5D-WATERING

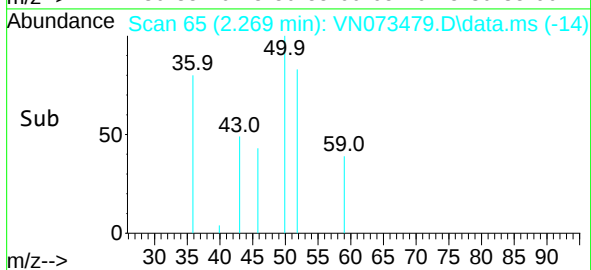
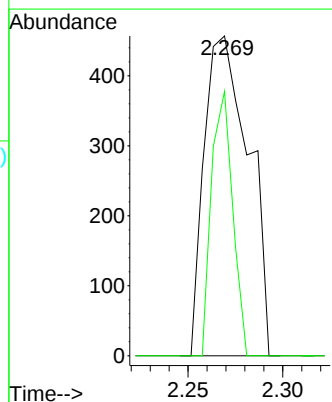
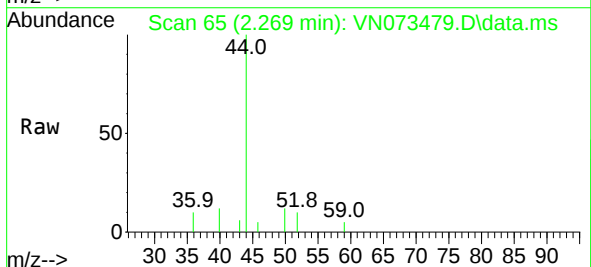


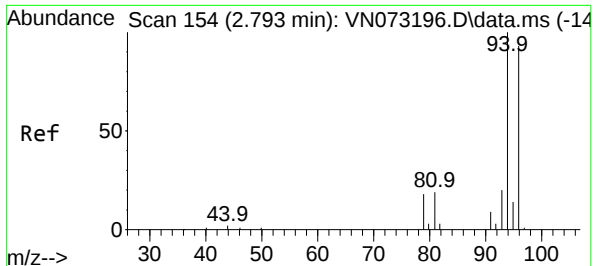
Tgt Ion:168 Resp: 254488
Ion Ratio Lower Upper
168 100
99 60.4 42.3 63.5



#3
Chloromethane
Concen: 0.206 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion: 50 Resp: 745
Ion Ratio Lower Upper
50 100
52 82.7 25.7 38.5#

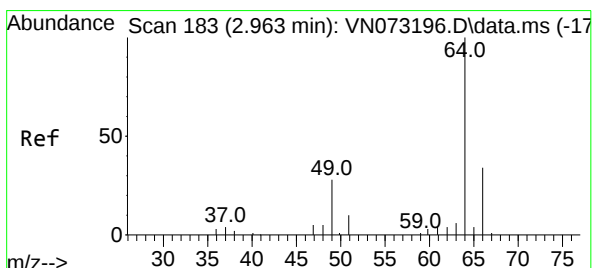
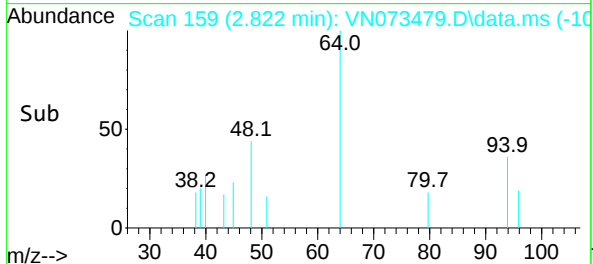
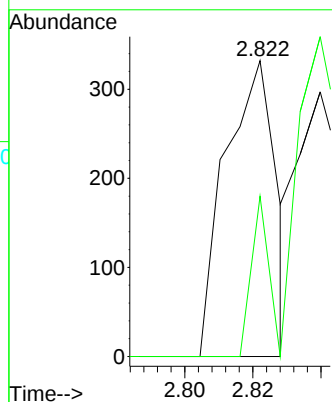
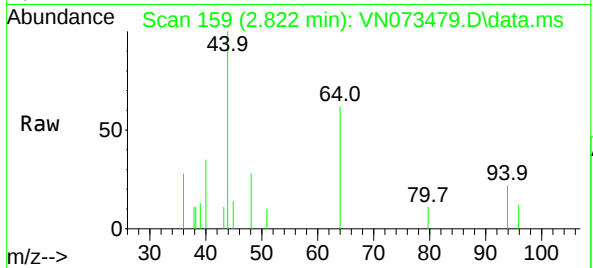




#5
Bromomethane
Concen: 0.239 ug/l
RT: 2.822 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

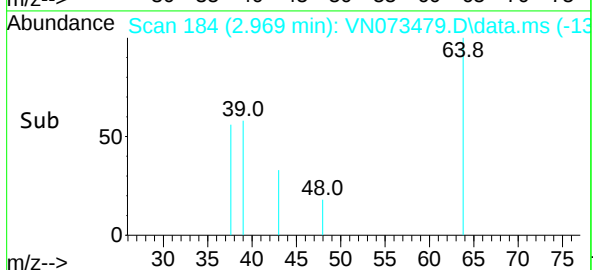
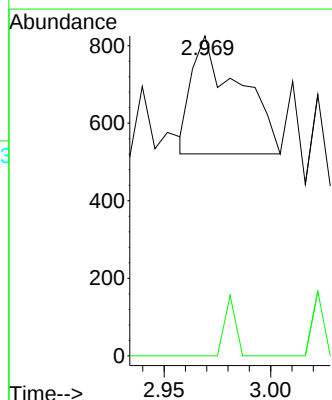
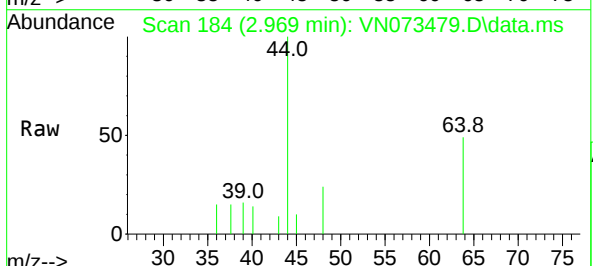
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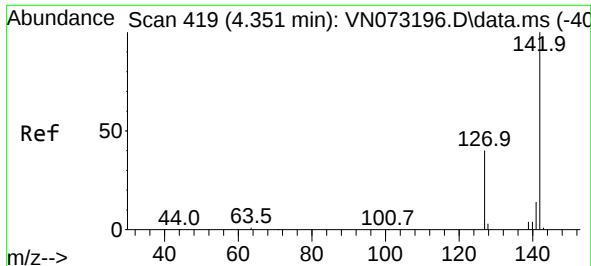
Tgt Ion: 94 Resp: 347
Ion Ratio Lower Upper
94 100
96 54.2 76.0 114.0#



#6
Chloroethane
Concen: 0.261 ug/l
RT: 2.969 min Scan# 184
Delta R.T. 0.006 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion: 64 Resp: 471
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

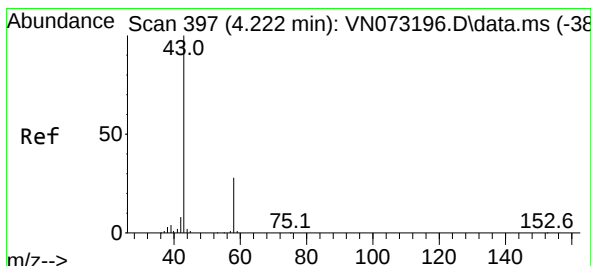
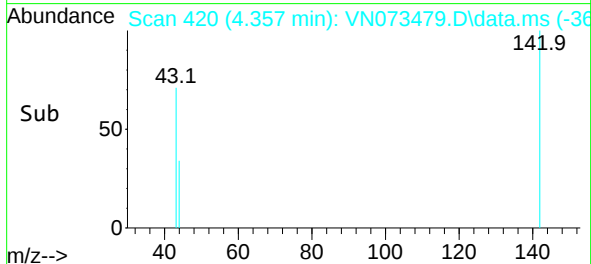
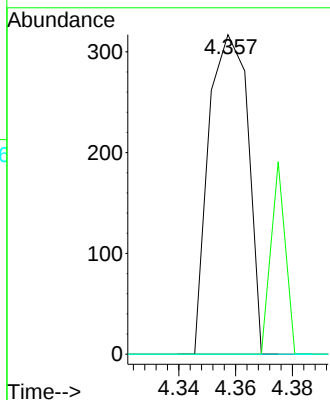
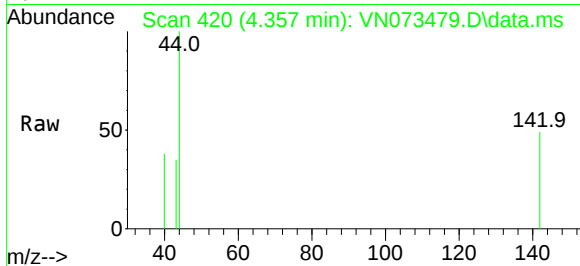




#10
Methyl Iodide
Concen: 3.801 ug/l
RT: 4.357 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

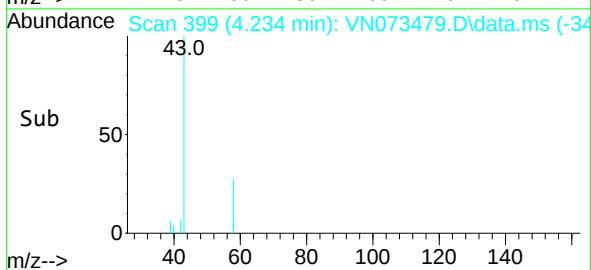
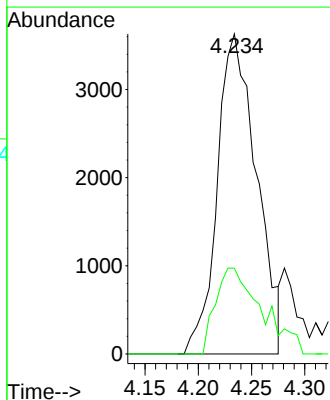
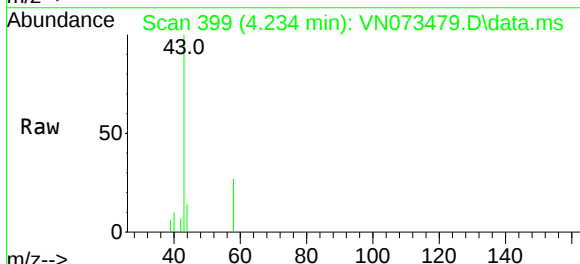
Instrument :
MSVOA_N
ClientSampleId :
CASING-NUMBER-5D-WATERING

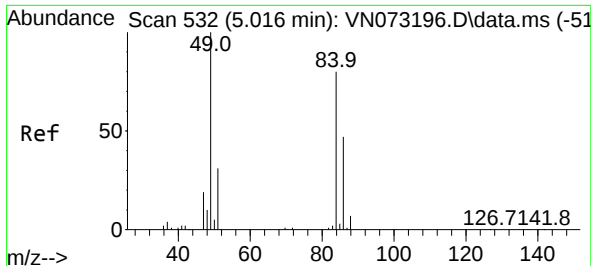
Tgt Ion:142 Resp: 303
Ion Ratio Lower Upper
142 100
127 22.1 31.3 46.9#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 4.519 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

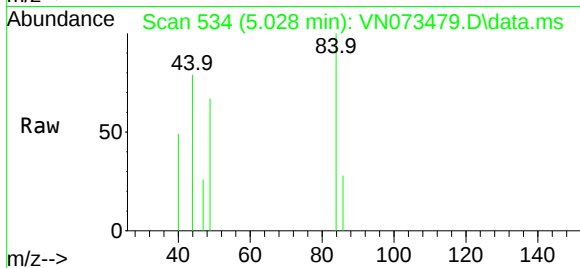
Tgt Ion: 43 Resp: 9318
Ion Ratio Lower Upper
43 100
58 26.8 26.0 39.0



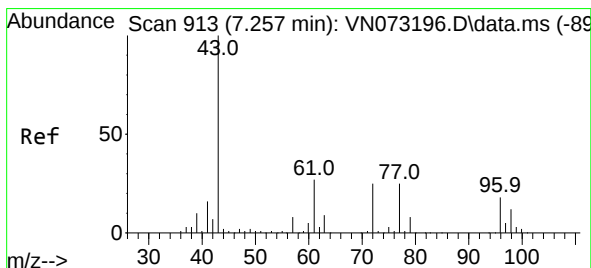
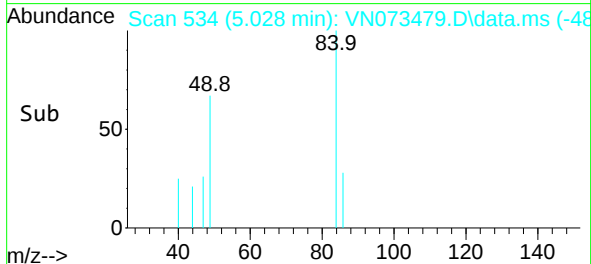
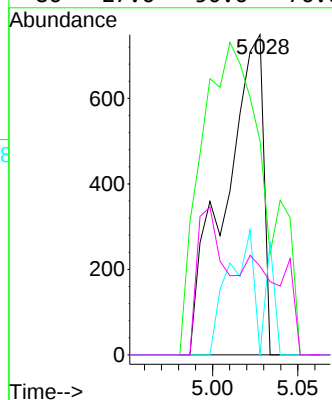


#20
Methylene Chloride
Concen: 0.322 ug/l
RT: 5.028 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Instrument :
MSVOA_N
ClientSampleId :
CASING-NUMBER-5D-WATERING

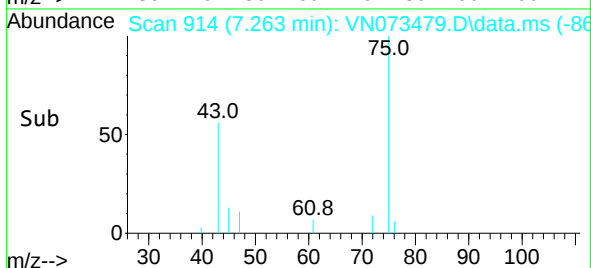
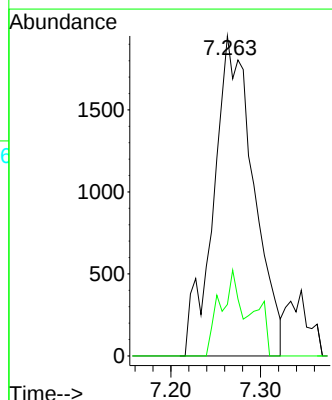
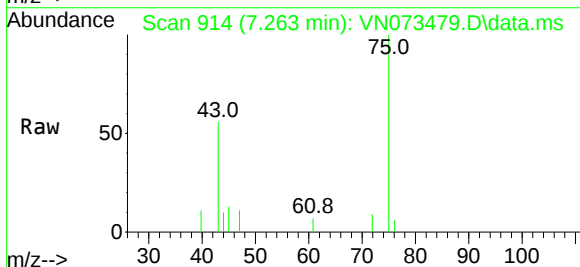


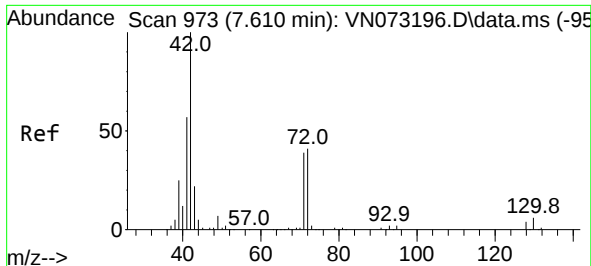
Tgt Ion: 84 Resp: 1167
Ion Ratio Lower Upper
84 100
49 66.9 88.3 132.5#
51 0.0 28.2 42.2#
86 27.6 50.6 76.0#



#25
2-Butanone
Concen: 1.840 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion: 43 Resp: 6040
Ion Ratio Lower Upper
43 100
72 16.1 23.7 35.5#

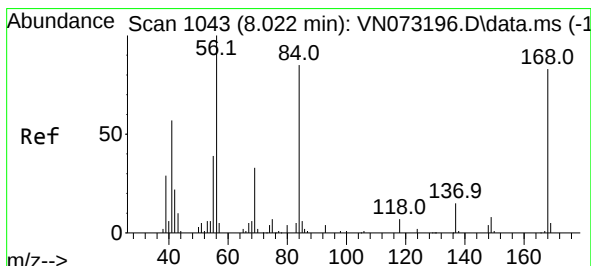
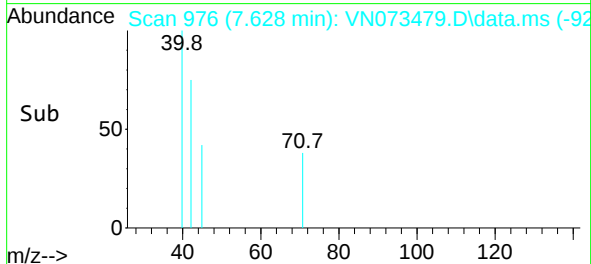
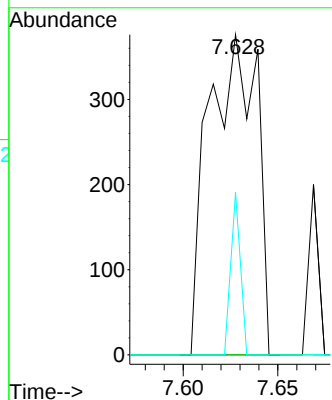
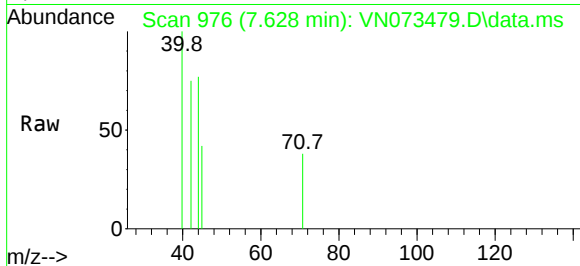




#29
Tetrahydrofuran
Concen: 0.294 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

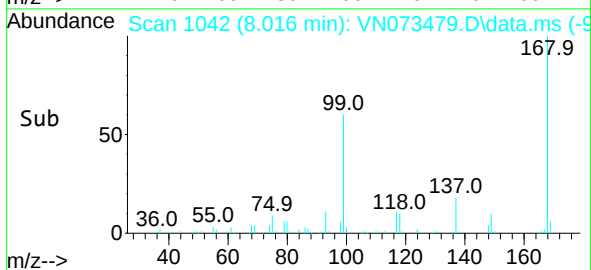
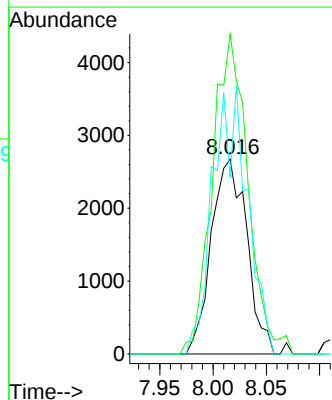
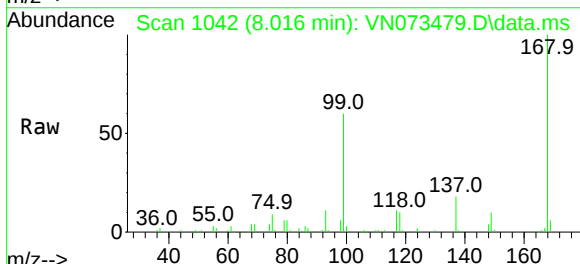
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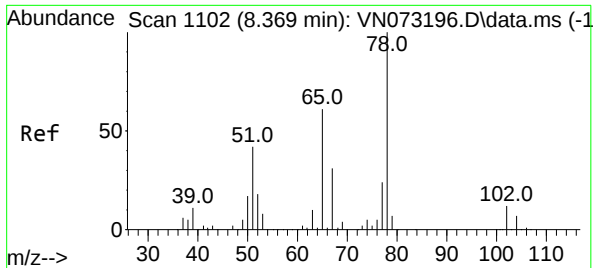
Tgt Ion: 42 Resp: 660
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 10.2 36.6 55.0#



#31
Cyclohexane
Concen: 1.029 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion: 56 Resp: 6191
Ion Ratio Lower Upper
56 100
69 164.3 27.8 41.8#
84 90.8 76.9 115.3

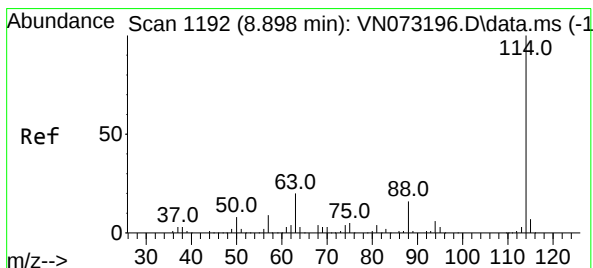
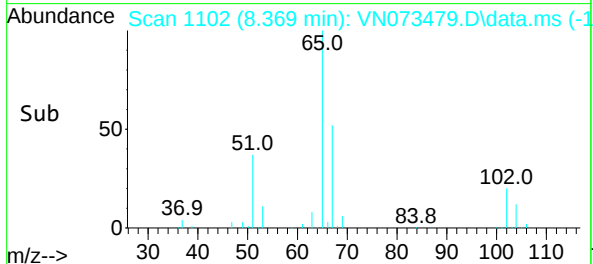
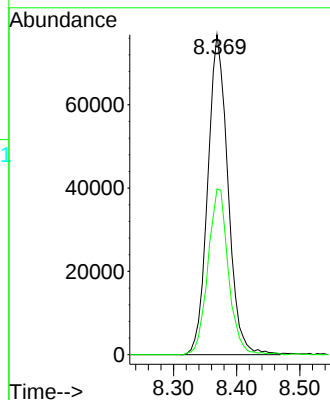
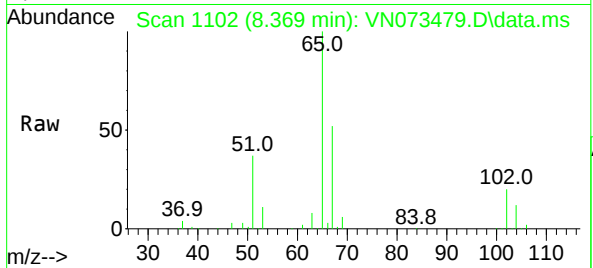




#33
 1,2-Dichloroethane-d4
 Concen: 46.448 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. -0.000 min
 Lab File: VN073479.D
 Acq: 15 Jul 2022 12:28

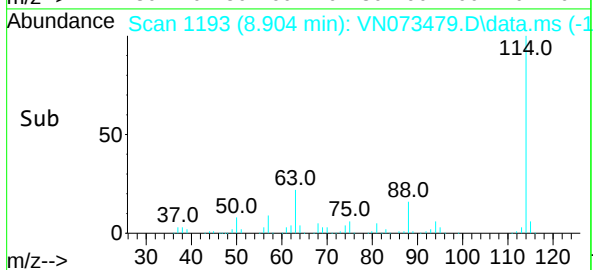
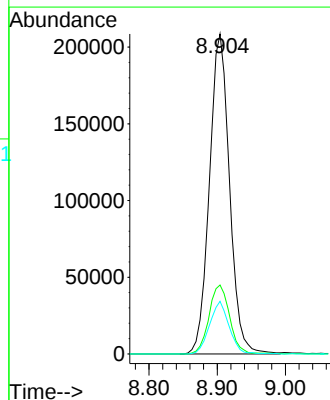
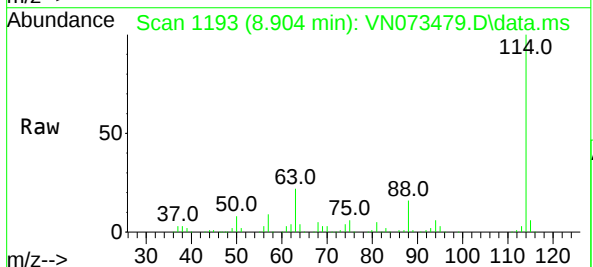
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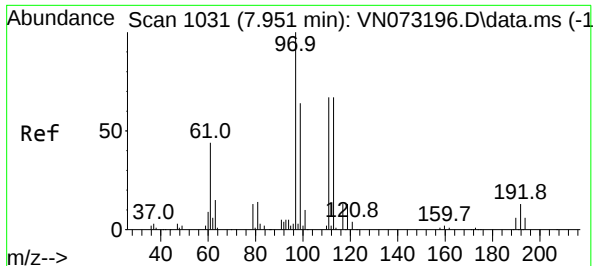
Tgt Ion: 65 Resp: 170643
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VN073479.D
 Acq: 15 Jul 2022 12:28

Tgt Ion: 114 Resp: 428261
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.0
 88 16.4 0.0 32.6

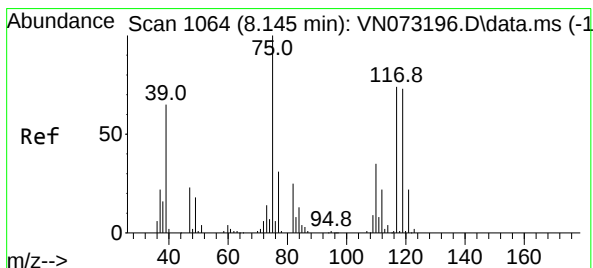
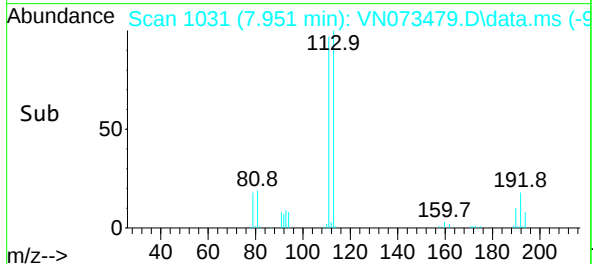
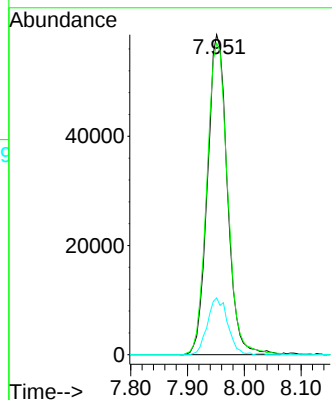
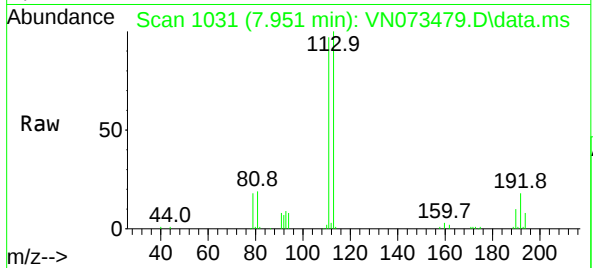




#35
Dibromofluoromethane
Concen: 49.961 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

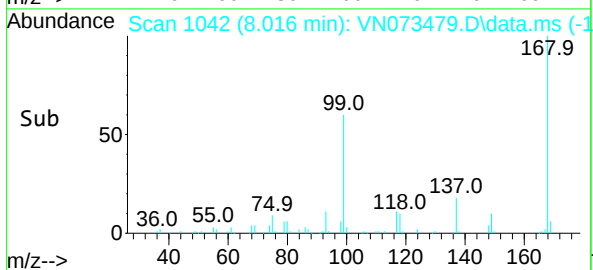
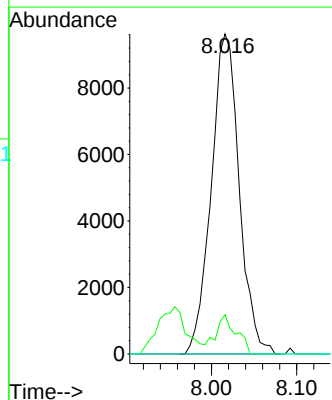
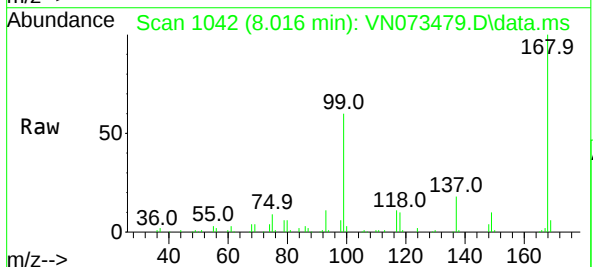
Instrument :
MSVOA_N
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CASING-NUMBER-5D-WATERING

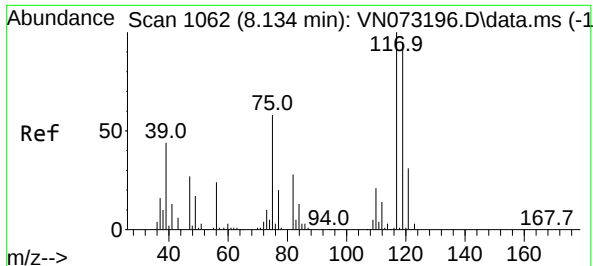
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Ion Ratio Lower Upper
113 100
111 101.8 81.4 122.0
192 18.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.011 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

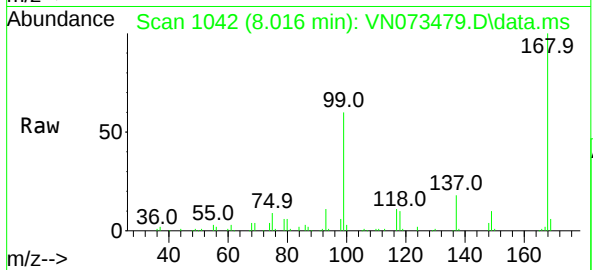
Tgt Ion: 75 Resp: 21968
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 25.1 37.7#



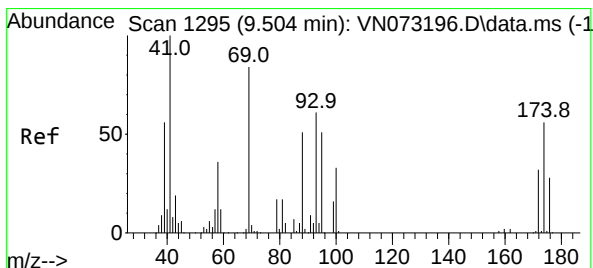
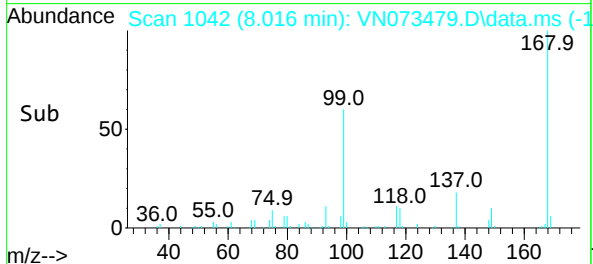
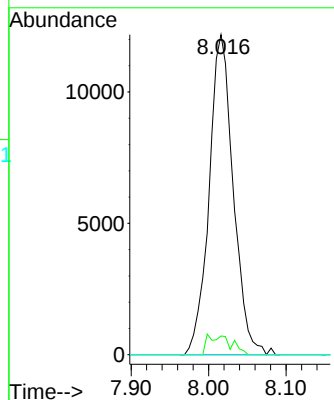


#38
Carbon Tetrachloride
Concen: 5.824 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Instrument : MSVOA_N
ClientSampleId : CASING-NUMBER-5D-WATERING

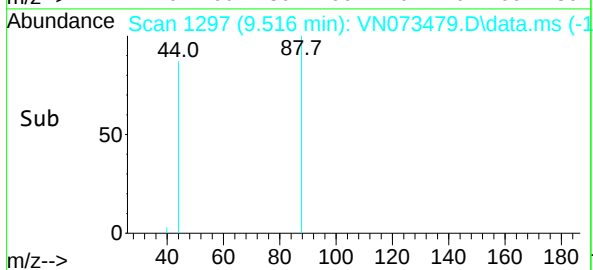
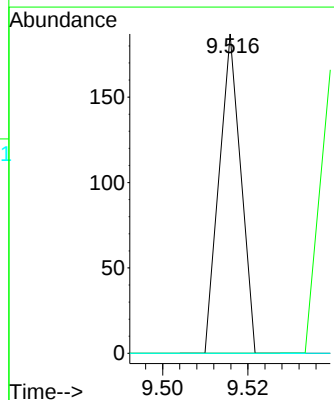
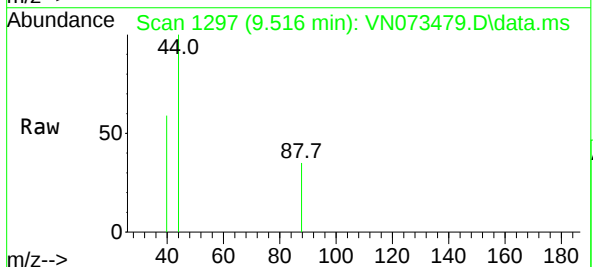


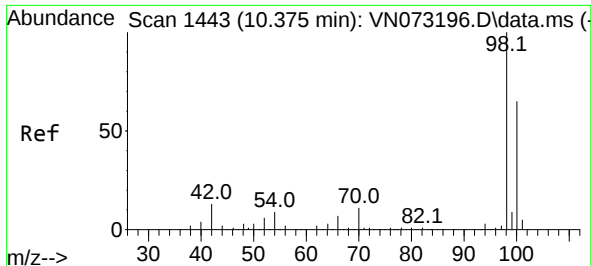
Tgt Ion:117 Resp: 26403
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.789 ug/l
RT: 9.516 min Scan# 1297
Delta R.T. 0.012 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 0.0 54.2 81.4#

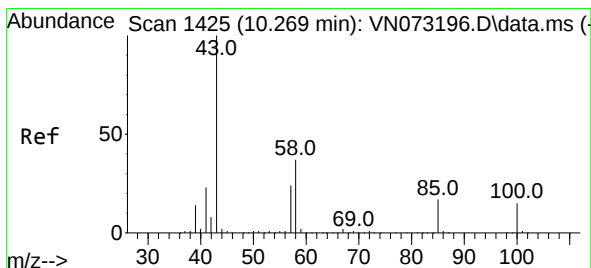
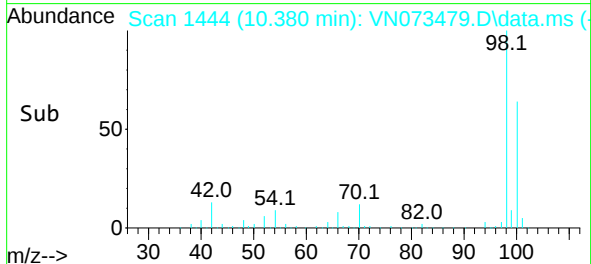
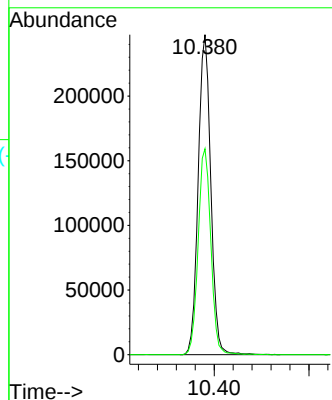
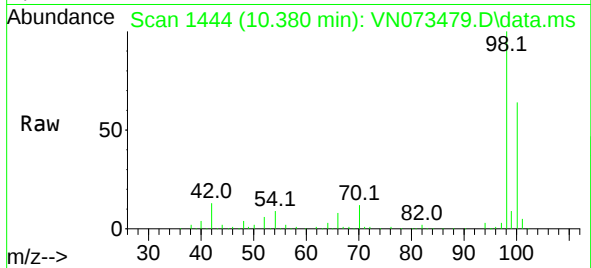




#50
Toluene-d8
Concen: 45.090 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

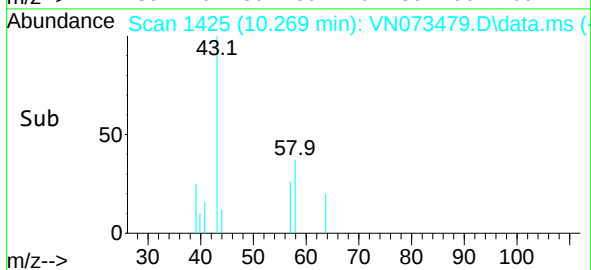
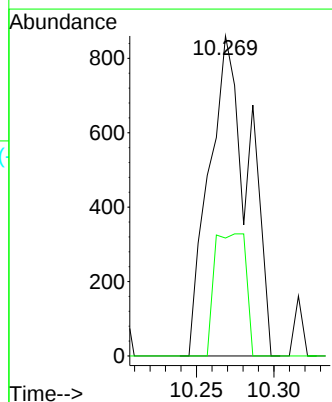
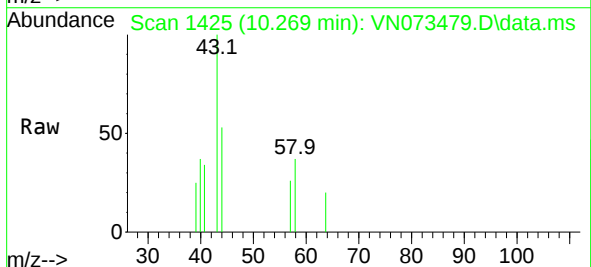
Instrument :
MSVOA_N
ClientSampleId :
CASING-NUMBER-5D-WATERING

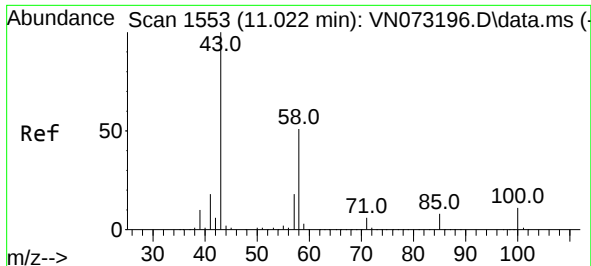
Tgt Ion: 98 Resp: 456292
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.253 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion: 43 Resp: 1528
Ion Ratio Lower Upper
43 100
58 30.0 34.1 51.1#

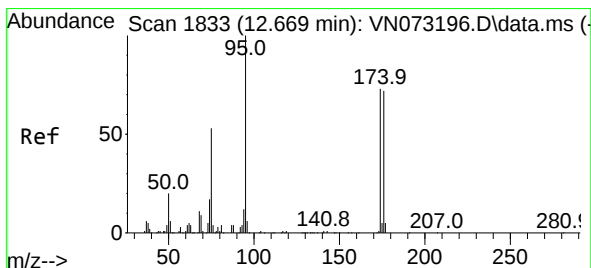
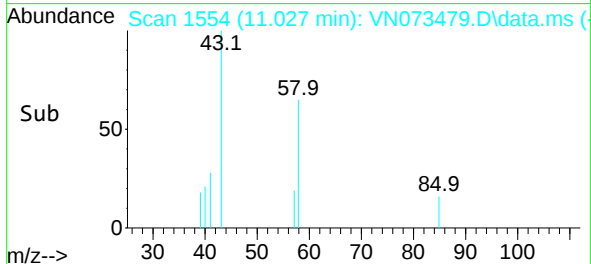
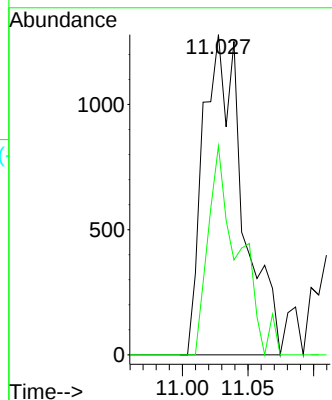
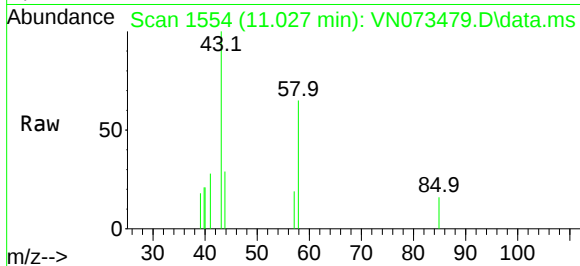




#59
2-Hexanone
Concen: 0.583 ug/l
RT: 11.027 min Scan# 1553
Delta R.T. 0.005 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

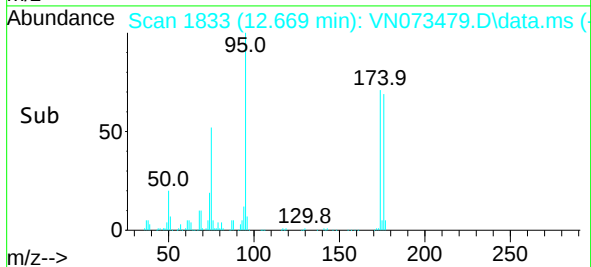
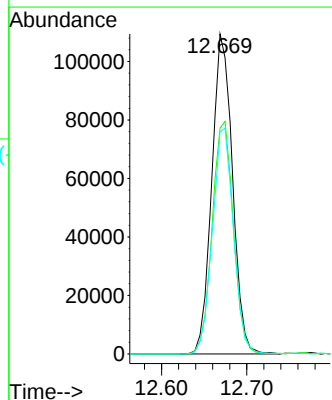
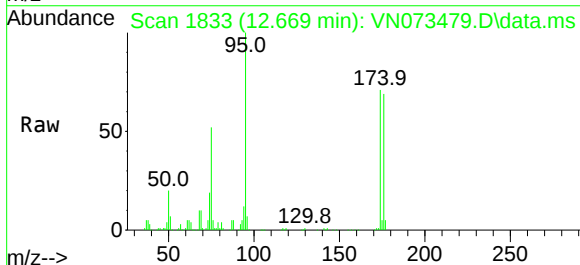
Instrument :
MSVOA_N
ClientSampleId :
CASING-NUMBER-5D-WATERING

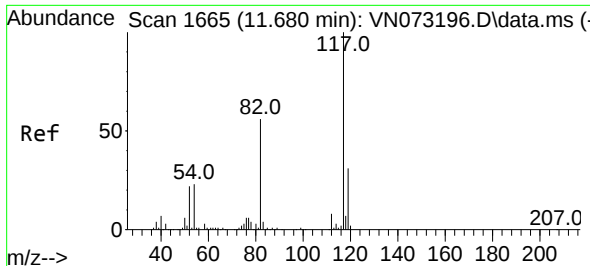
Tgt Ion: 43 Resp: 2684
Ion Ratio Lower Upper
43 100
58 50.1 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 47.290 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion: 95 Resp: 183909
Ion Ratio Lower Upper
95 100
174 74.8 0.0 167.6
176 72.0 0.0 163.4

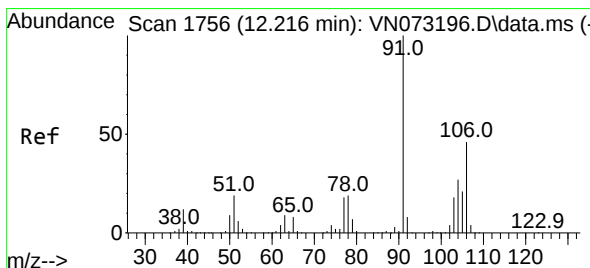
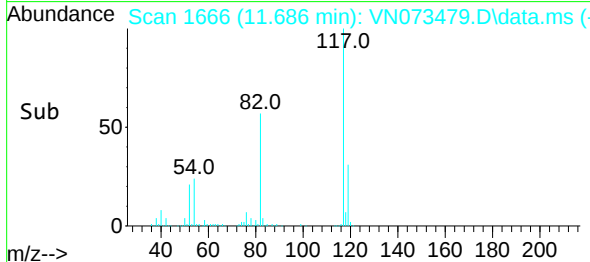
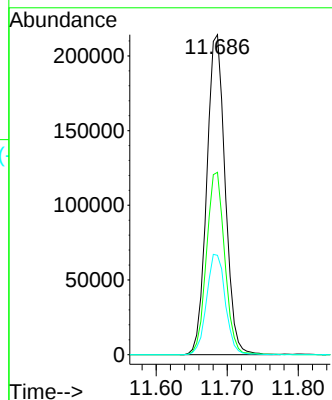
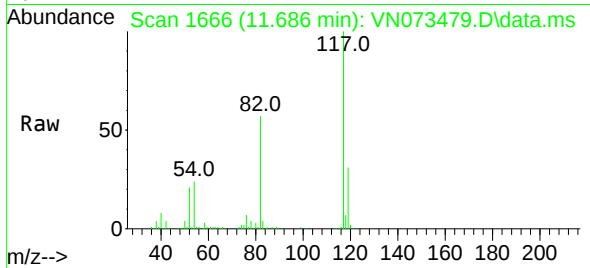




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

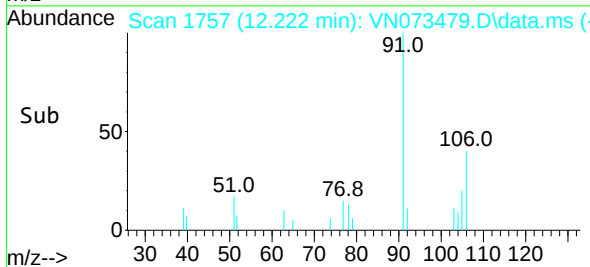
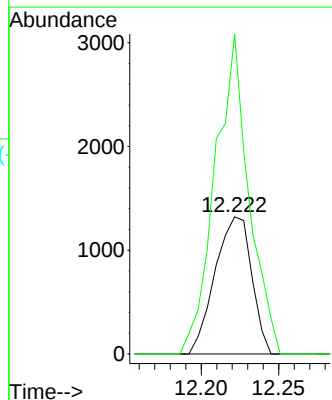
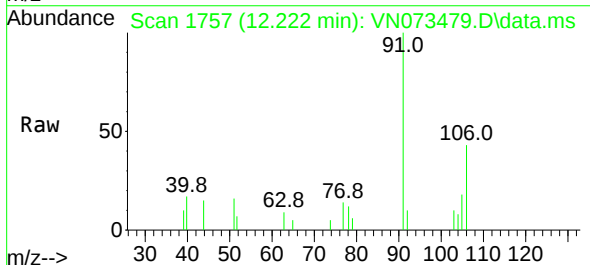
Instrument :
MSVOA_N
ClientSampleId :
CASING-NUMBER-5D-WATERING

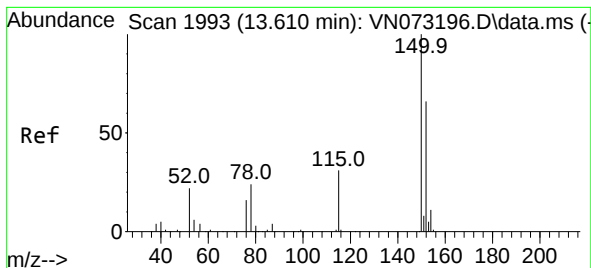
Tgt Ion:117 Resp: 385905
Ion Ratio Lower Upper
117 100
82 57.0 44.2 66.2
119 31.0 25.4 38.0



#69
o-Xylene
Concen: 0.355 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.006 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion:106 Resp: 2167
Ion Ratio Lower Upper
106 100
91 215.9 106.0 318.0

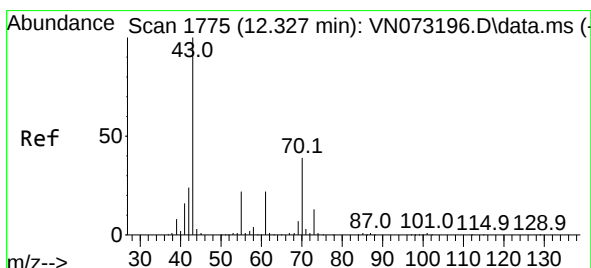
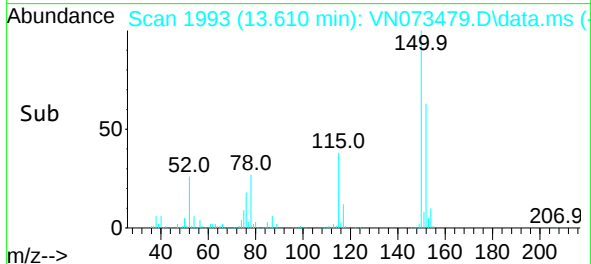
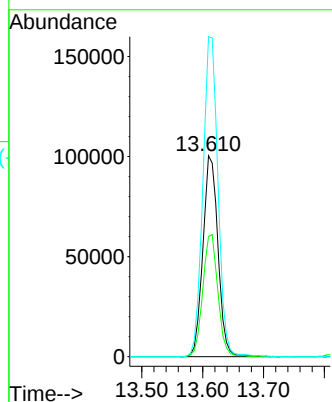
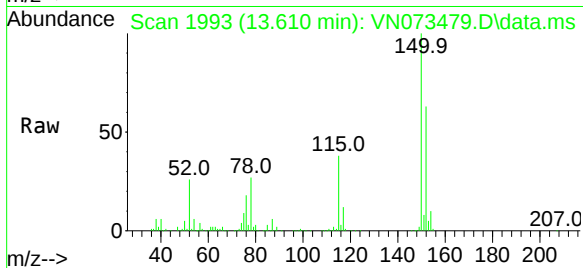




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

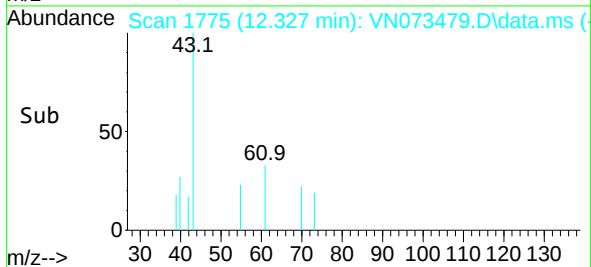
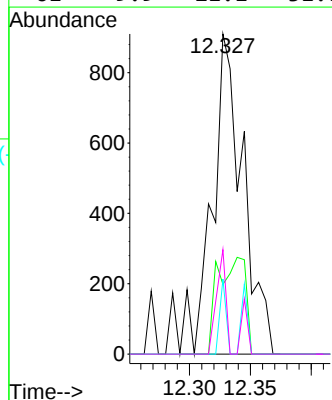
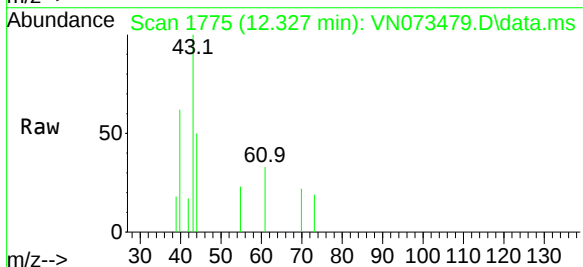
Instrument : MSVOA_N
ClientSampleId : CASING-NUMBER-5D-WATERING

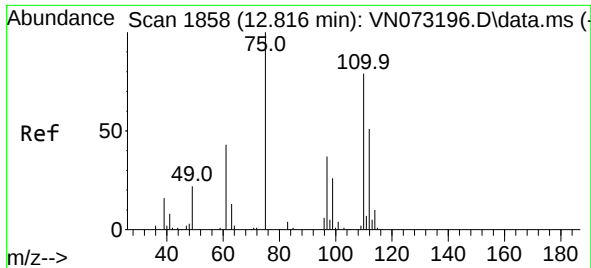
Tgt Ion:152 Resp: 173027
Ion Ratio Lower Upper
152 100
115 60.8 28.9 86.7
150 159.5 0.0 356.2



#74
N-ethyl acetate
Concen: 0.213 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion: 43 Resp: 1593
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 4.7 21.1 31.7#
61 9.9 21.1 31.7#

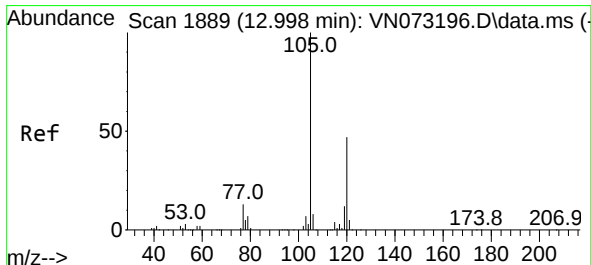
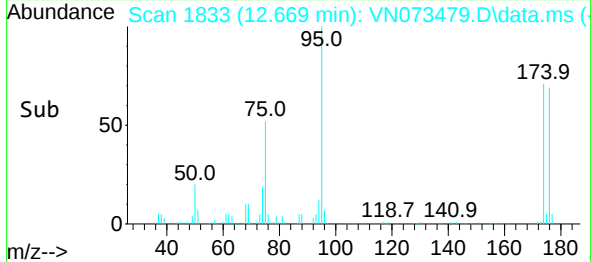
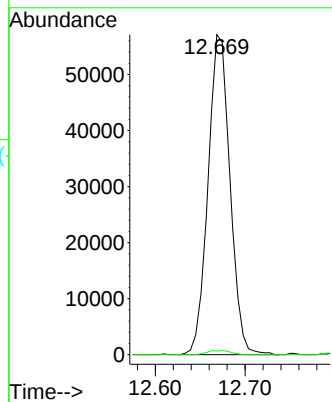
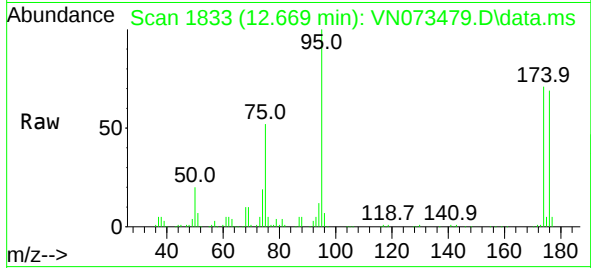




#76
 1,2,3-Trichloropropane
 Concen: 21.487 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073479.D
 Acq: 15 Jul 2022 12:28

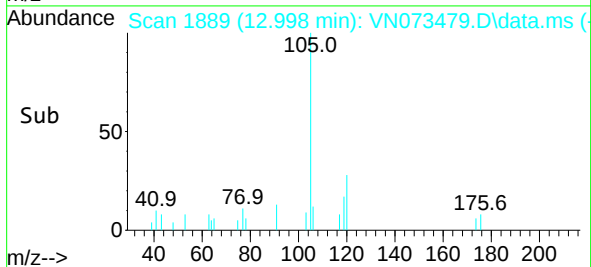
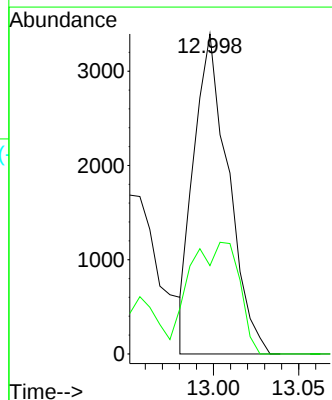
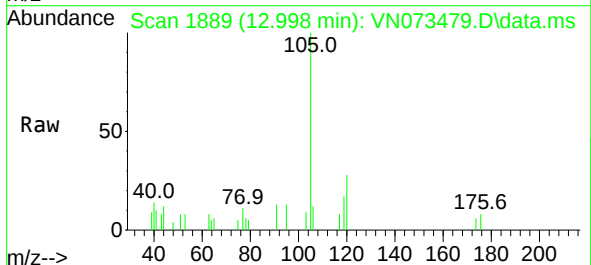
Instrument : MSVOA_N
 ClientSampleId : CASING-NUMBER-5D-WATERING

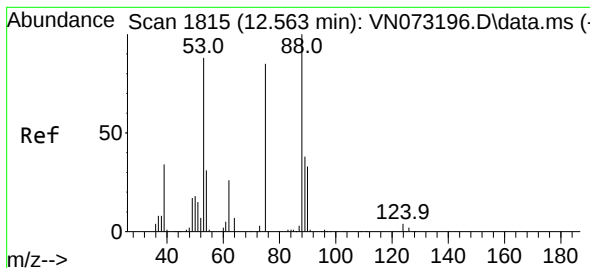
Tgt Ion: 75 Resp: 97215
 Ion Ratio Lower Upper
 75 100
 77 1.4 98.5 295.5#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.391 ug/l
 RT: 12.998 min Scan# 1889
 Delta R.T. -0.000 min
 Lab File: VN073479.D
 Acq: 15 Jul 2022 12:28

Tgt Ion: 105 Resp: 4767
 Ion Ratio Lower Upper
 105 100
 120 50.3 24.9 74.7

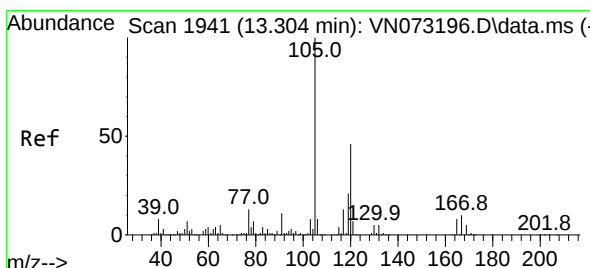
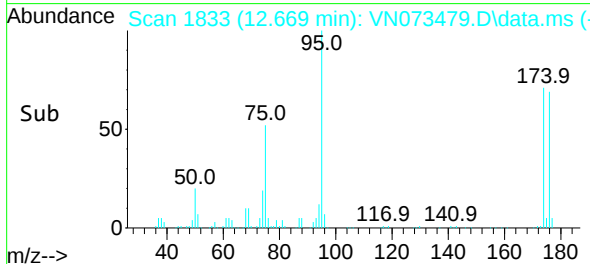
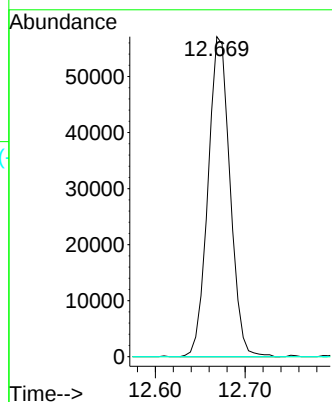
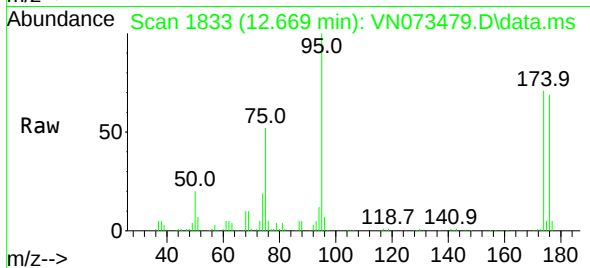




#81
trans-1,4-Dichloro-2-butene
Concen: 58.928 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

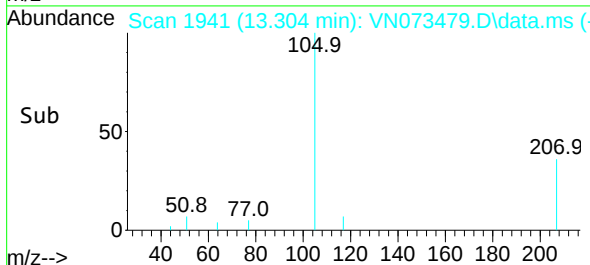
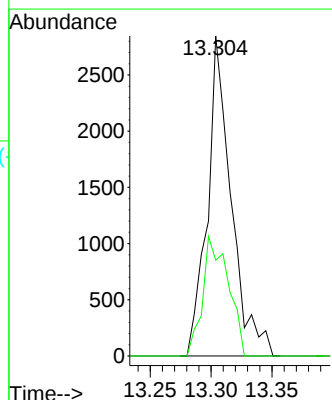
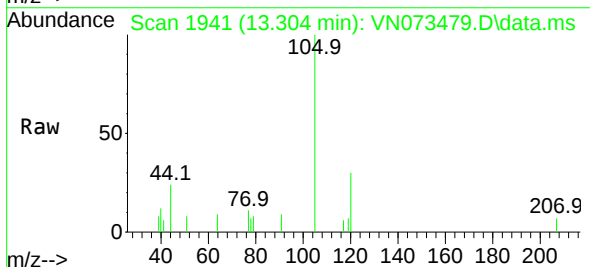
Instrument :
MSVOA_N
ClientSampleId :
CASING-NUMBER-5D-WATERING

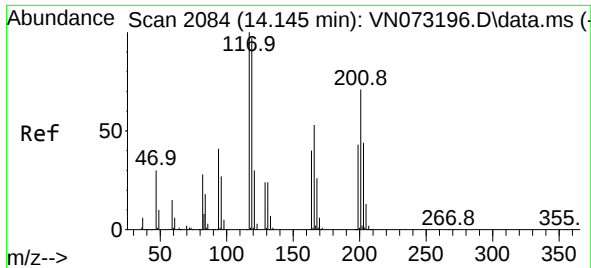
Tgt Ion: 75 Resp: 97215
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.318 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.000 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion: 105 Resp: 3864
Ion Ratio Lower Upper
105 100
120 40.2 23.3 69.8

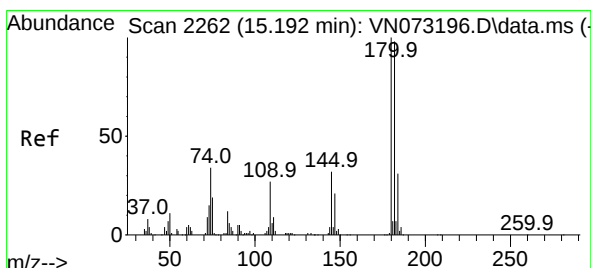
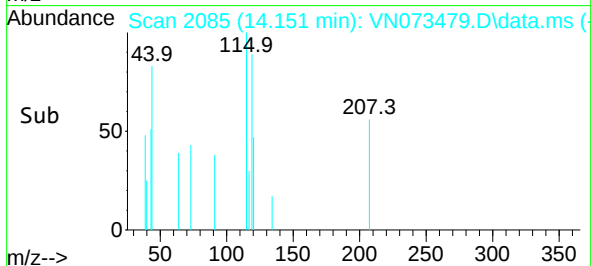
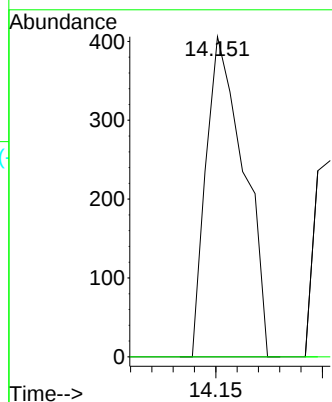
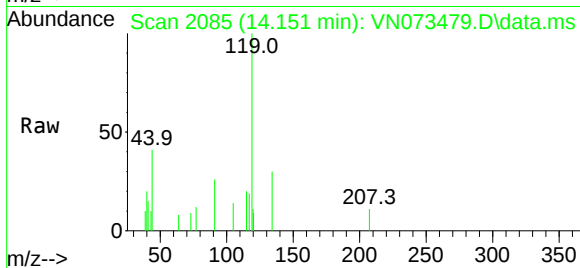




#90
Hexachloroethane
Concen: 0.227 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.006 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

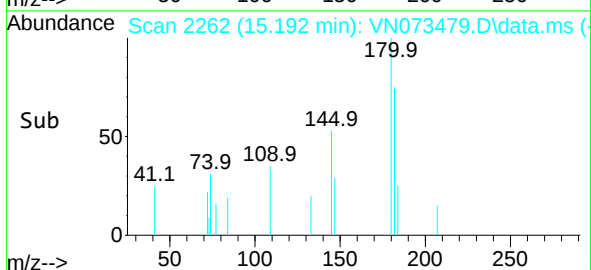
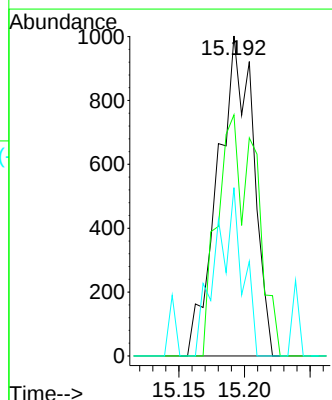
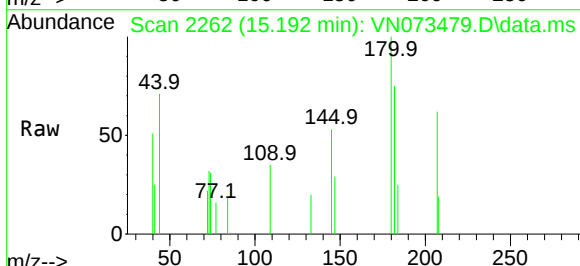
Instrument :
MSVOA_N
ClientSampleId :
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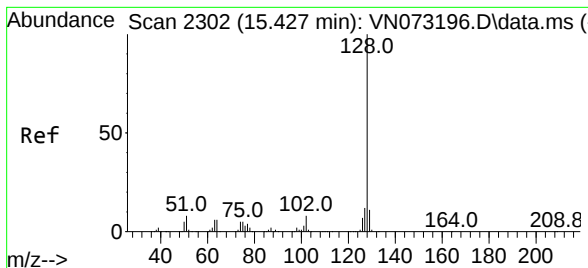
Tgt Ion:117 Resp: 501
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.570 ug/l
RT: 15.192 min Scan# 2262
Delta R.T. -0.000 min
Lab File: VN073479.D
Acq: 15 Jul 2022 12:28

Tgt Ion:180 Resp: 1884
Ion Ratio Lower Upper
180 100
182 81.4 47.5 142.5
145 39.4 14.5 43.5





#95

Naphthalene

Concen: 1.142 ug/l

RT: 15.433 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN073479.D

Acq: 15 Jul 2022 12:28

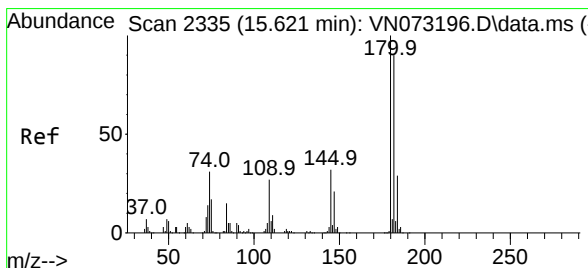
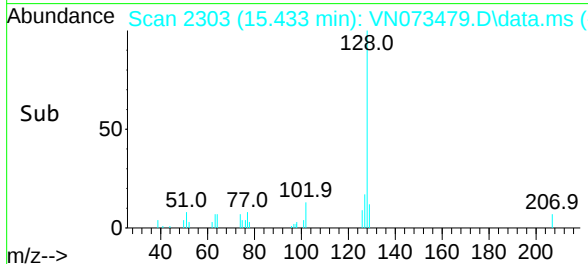
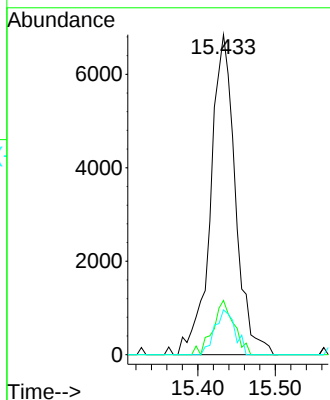
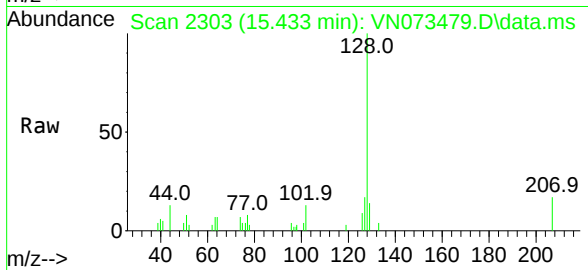
Instrument :

MSVOA_N

ClientSampleId :

CASING-NUMBER-5D-WATERING

Tgt Ion:128	Resp:	15228
Ion Ratio	Lower	Upper
128	100	
127	14.4	10.3 15.5
129	11.4	8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 0.861 ug/l

RT: 15.627 min Scan# 2336

Delta R.T. 0.006 min

Lab File: VN073479.D

Acq: 15 Jul 2022 12:28

Tgt Ion:180	Resp:	2936
Ion Ratio	Lower	Upper
180	100	
182	85.0	47.8 143.3
145	26.1	15.5 46.5

