

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071822\
 Data File : VN073494.D
 Acq On : 18 Jul 2022 13:13
 Operator : JC\MD
 Sample : N3708-01
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-2-071322

Quant Time: Jul 18 15:30:46 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)

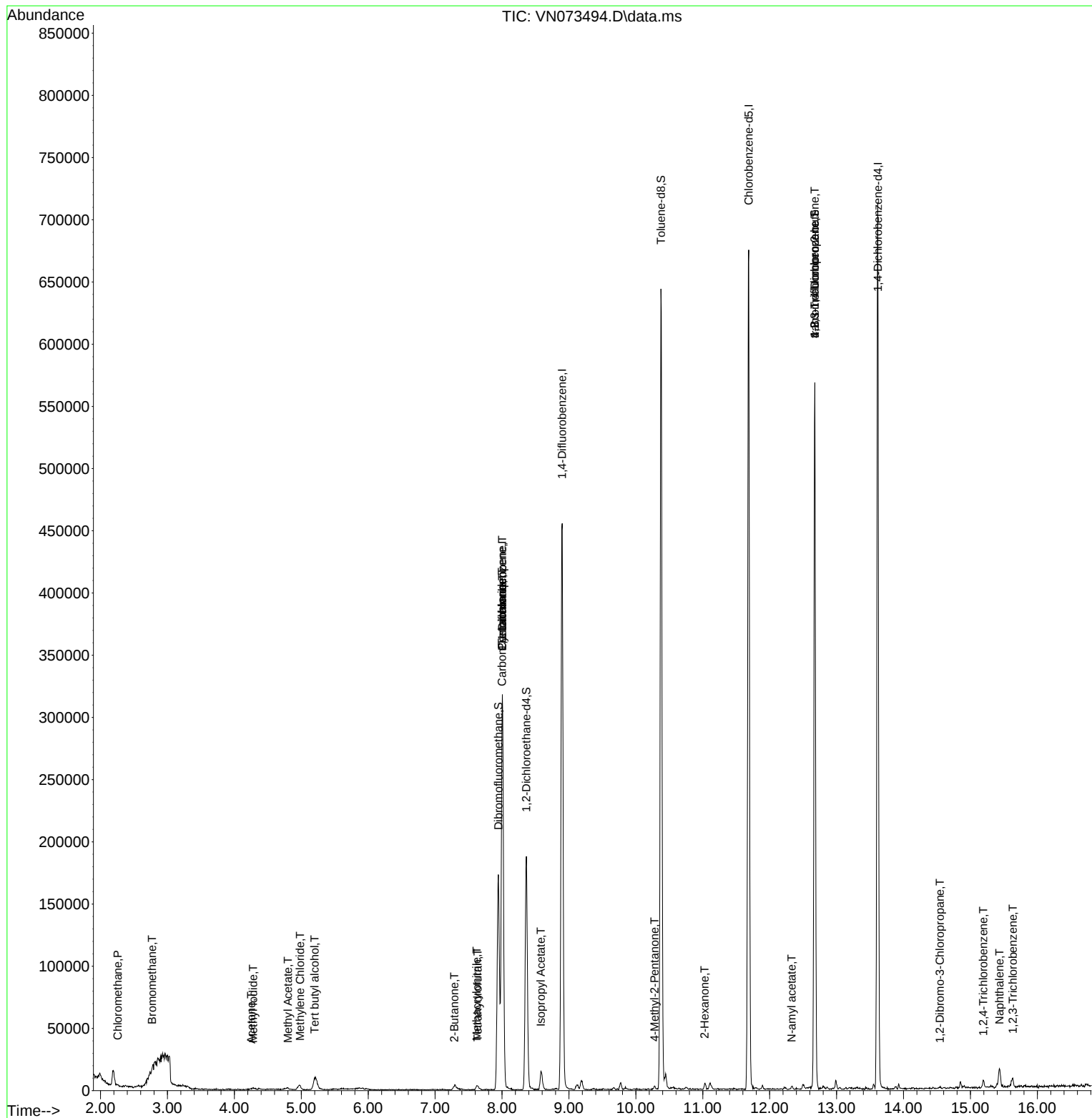
Internal Standards						
1) Pentafluorobenzene	8.004	168	242111	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.898	114	408589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	392491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	186515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.363	65	156079	44.656	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.320%		
35) Dibromofluoromethane	7.945	113	127171	46.782	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.560%		
50) Toluene-d8	10.375	98	443936	45.981	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.960%		
62) 4-Bromofluorobenzene	12.674	95	192798	51.963	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.920%		
Target Compounds						Qvalue
3) Chloromethane	2.257	50	816	0.237	ug/l #	67
5) Bromomethane	2.769	94	476	0.345	ug/l #	64
10) Methyl Iodide	4.281	142	957	3.950	ug/l #	63
11) Tert butyl alcohol	5.198	59	11349	13.404	ug/l #	72
16) Acetone	4.251	43	1637	0.834	ug/l	96
18) Methyl Acetate	4.799	43	2717	0.494	ug/l #	82
20) Methylene Chloride	4.981	84	3074	0.892	ug/l #	73
25) 2-Butanone	7.287	43	2043	0.654	ug/l #	45
29) Tetrahydrofuran	7.634	42	2083	0.974	ug/l #	65
31) Cyclohexane	8.004	56	5300	0.926	ug/l #	26
36) 1,1-Dichloropropene	8.004	75	20304	4.854	ug/l #	43
38) Carbon Tetrachloride	7.998	117	24339	5.627	ug/l #	15
41) Methacrylonitrile	7.622	41	1234	0.403	ug/l #	33
43) Isopropyl Acetate	8.581	43	6699	0.738	ug/l #	53
51) 4-Methyl-2-Pentanone	10.281	43	2355	0.409	ug/l	93
59) 2-Hexanone	11.028	43	4036	0.919	ug/l	80
74) N-amyl acetate	12.327	43	1678	0.208	ug/l #	72
76) 1,2,3-Trichloropropane	12.674	75	100465	20.600	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	100465	56.494	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.545	75	293	0.226	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.192	180	2126	0.597	ug/l	92
95) Naphthalene	15.433	128	16367	1.139	ug/l	99
96) 1,2,3-Trichlorobenzene	15.633	180	2885	0.785	ug/l	90

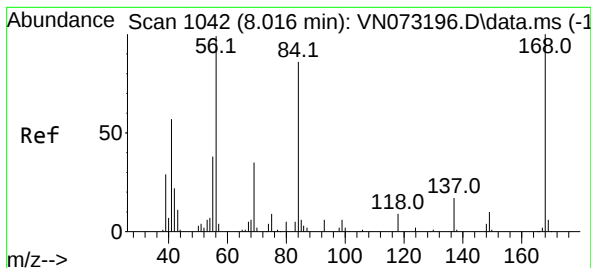
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.004 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN073494.D

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Instrument :

MSVOA_N

ClientSampleId :

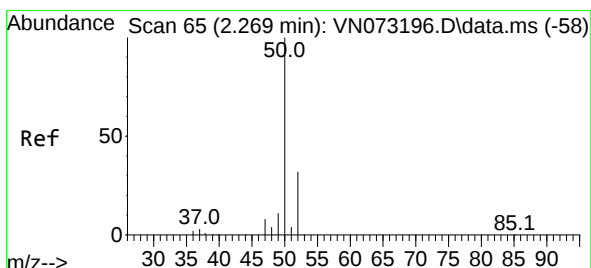
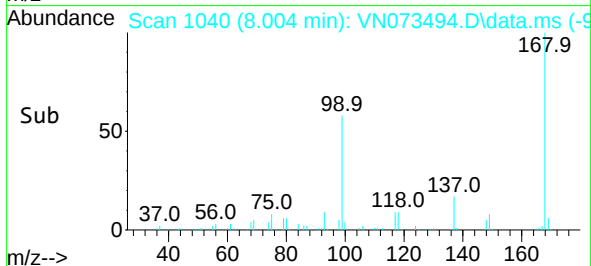
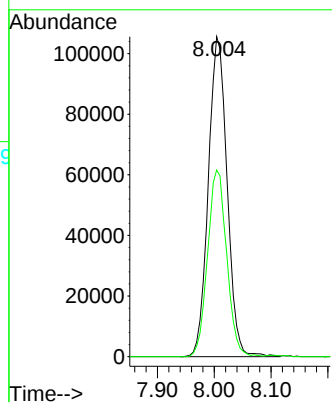
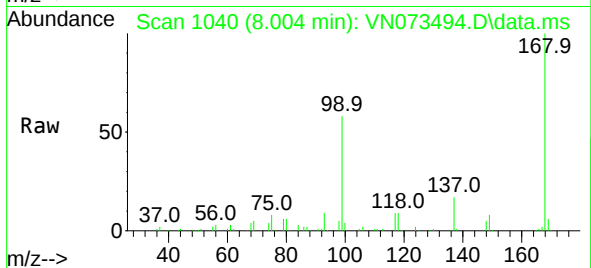
OR-2-071322

Tgt Ion:168 Resp: 242111

Ion Ratio Lower Upper

168 100

99 58.4 42.3 63.5



#3

Chloromethane

Concen: 0.237 ug/l

RT: 2.257 min Scan# 63

Delta R.T. -0.012 min

Lab File: VN073494.D

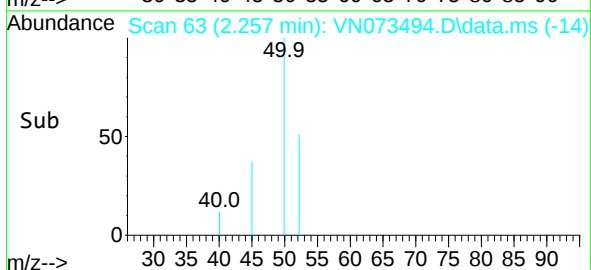
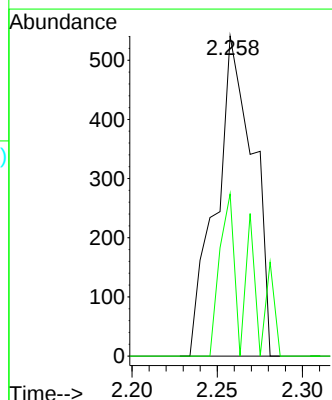
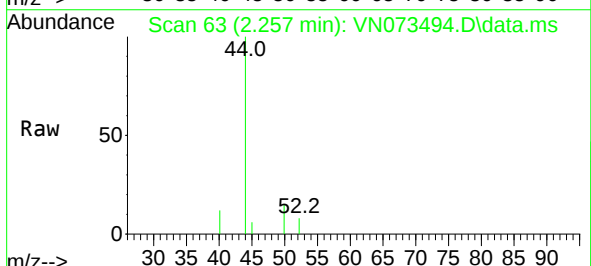
Acq: 18 Jul 2022 13:13

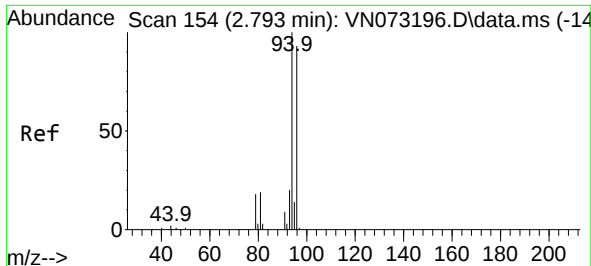
Tgt Ion: 50 Resp: 816

Ion Ratio Lower Upper

50 100

52 50.6 25.7 38.5#

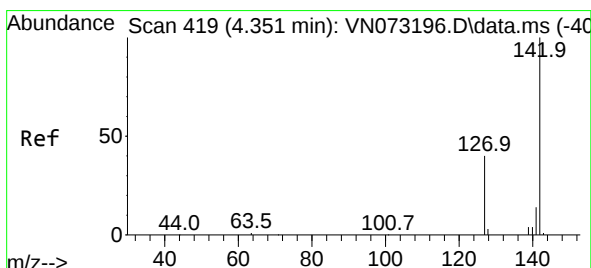
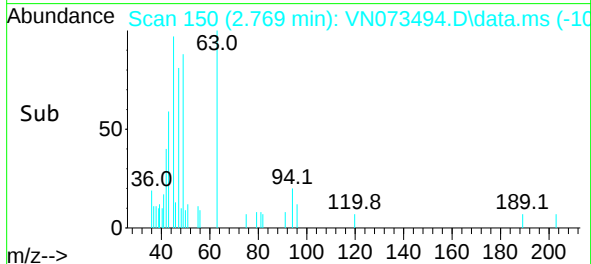
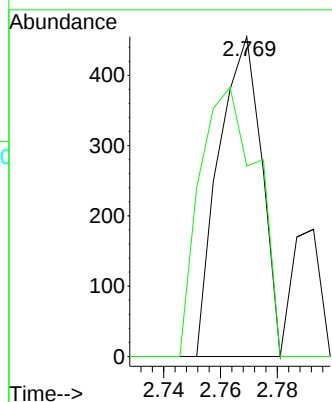
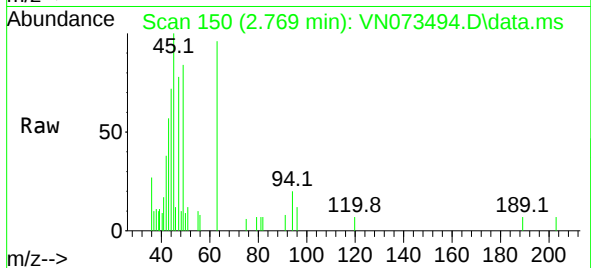




#5
Bromomethane
Concen: 0.345 ug/l
RT: 2.769 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

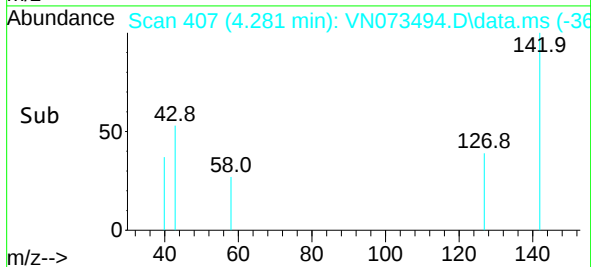
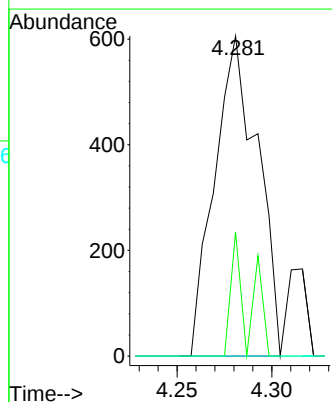
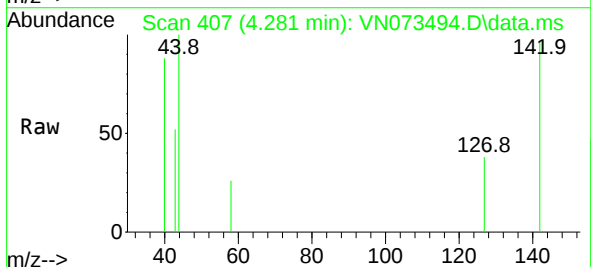
Instrument :
MSVOA_N
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OR-2-071322

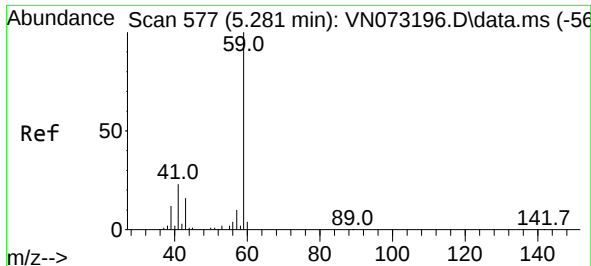
Tgt Ion: 94 Resp: 476
Ion Ratio Lower Upper
94 100
96 59.6 76.0 114.0#



#10
Methyl Iodide
Concen: 3.950 ug/l
RT: 4.281 min Scan# 407
Delta R.T. -0.070 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

Tgt Ion: 142 Resp: 957
Ion Ratio Lower Upper
142 100
127 15.7 31.3 46.9#
141 0.0 11.2 16.8#

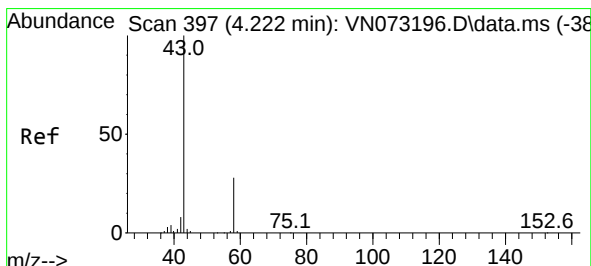
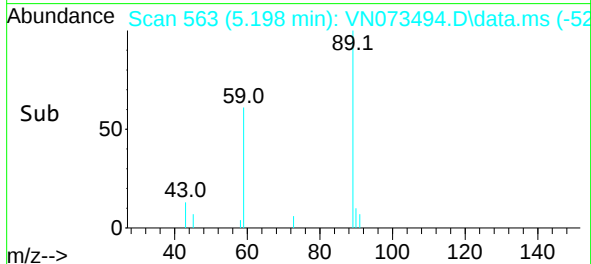
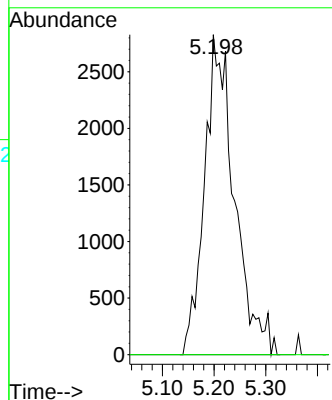
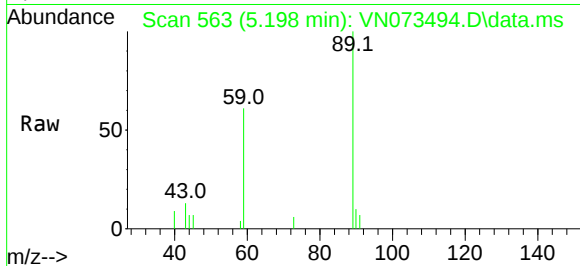




#11
Tert butyl alcohol
Concen: 13.404 ug/l
RT: 5.198 min Scan# 50
Delta R.T. -0.083 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

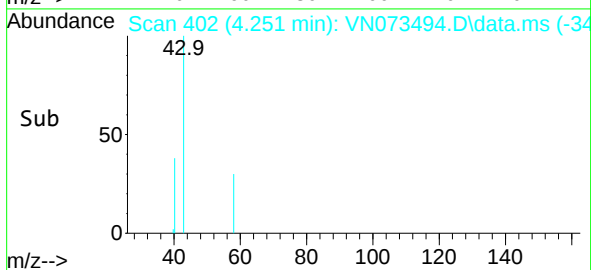
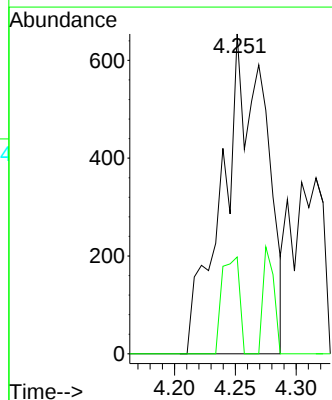
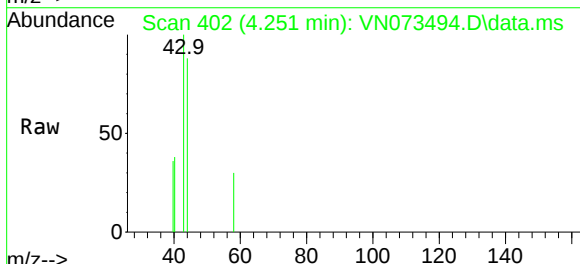
Instrument :
MSVOA_N
ClientSampleId :
OR-2-071322

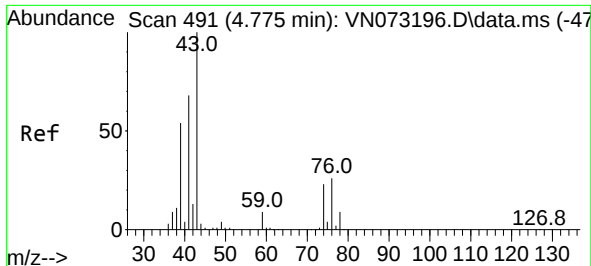
Tgt Ion: 59 Resp: 11349
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 0.834 ug/l
RT: 4.251 min Scan# 402
Delta R.T. 0.029 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

Tgt Ion: 43 Resp: 1637
Ion Ratio Lower Upper
43 100
58 30.3 26.0 39.0

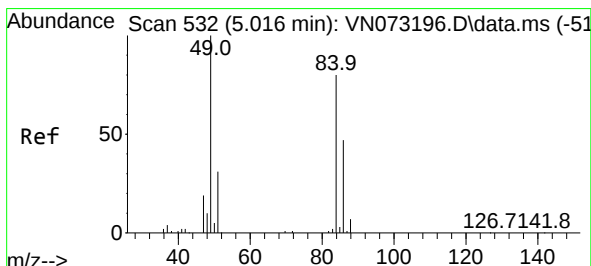
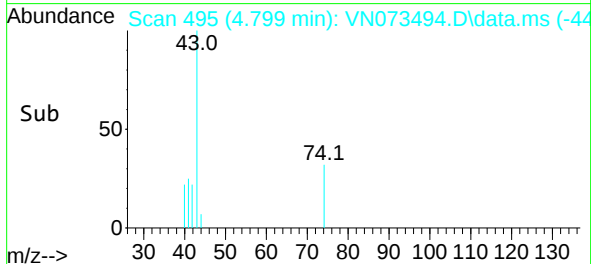
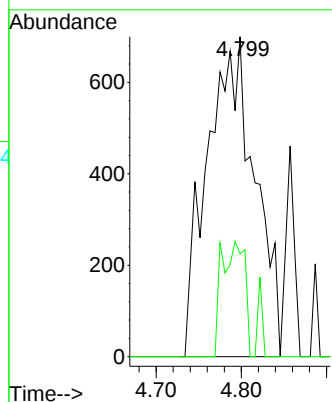
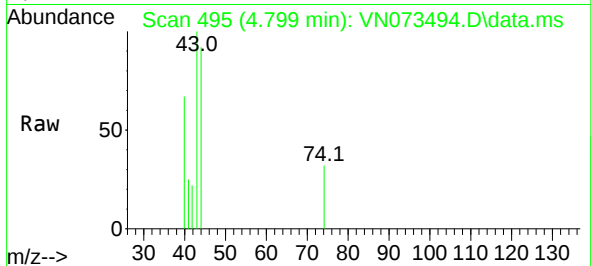




#18
Methyl Acetate
Concen: 0.494 ug/l
RT: 4.799 min Scan# 491
Delta R.T. 0.024 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

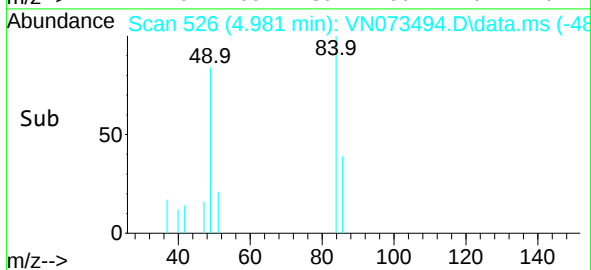
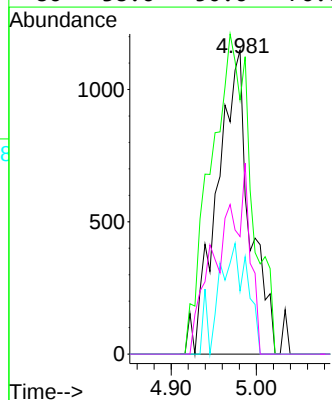
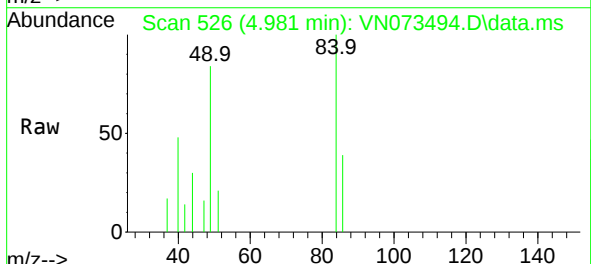
Instrument :
MSVOA_N
ClientSampleId :
OR-2-071322

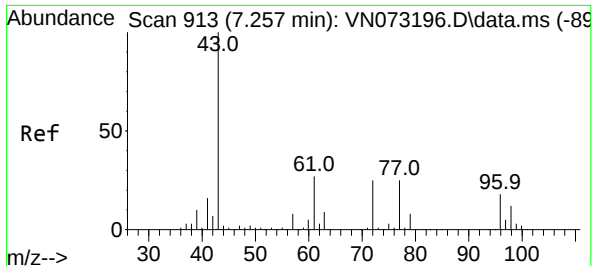
Tgt Ion: 43 Resp: 2717
Ion Ratio Lower Upper
43 100
74 17.4 21.6 32.4#



#20
Methylene Chloride
Concen: 0.892 ug/l
RT: 4.981 min Scan# 526
Delta R.T. -0.035 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

Tgt Ion: 84 Resp: 3074
Ion Ratio Lower Upper
84 100
49 83.6 88.3 132.5#
51 20.7 28.2 42.2#
86 38.6 50.6 76.0#





#25

2-Butanone

Concen: 0.654 ug/l

RT: 7.287 min Scan# 913

Delta R.T. 0.030 min

Lab File: VN073494.D

Acq: 18 Jul 2022 13:13

Instrument :

MSVOA_N

ClientSampleId :

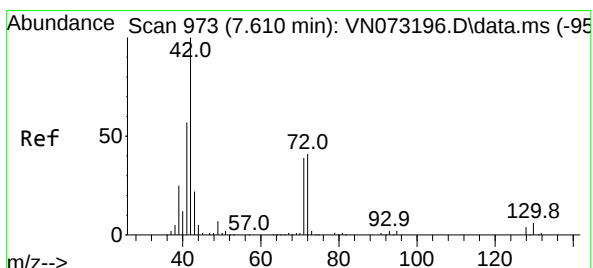
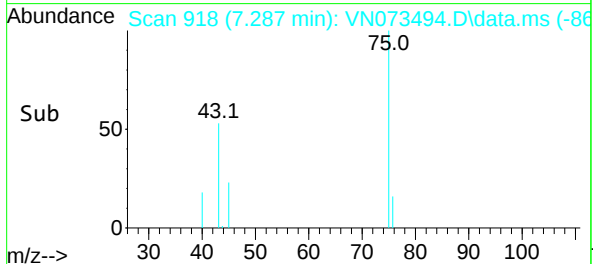
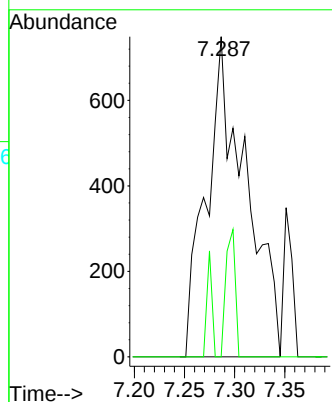
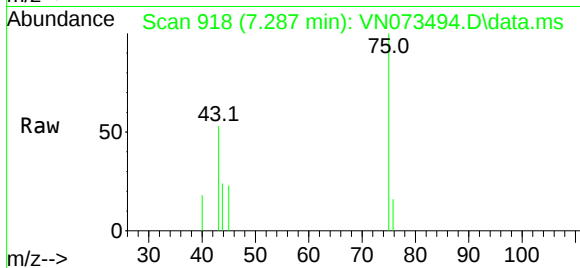
OR-2-071322

Tgt Ion: 43 Resp: 2043

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.974 ug/l

RT: 7.634 min Scan# 977

Delta R.T. 0.024 min

Lab File: VN073494.D

Acq: 18 Jul 2022 13:13

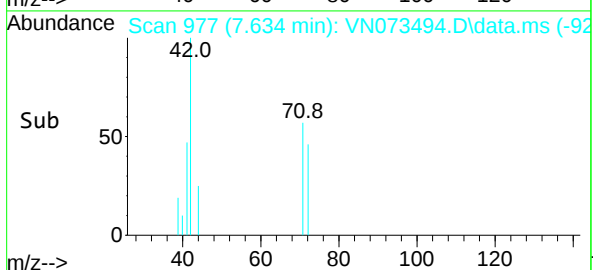
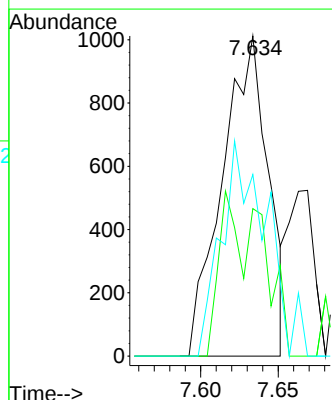
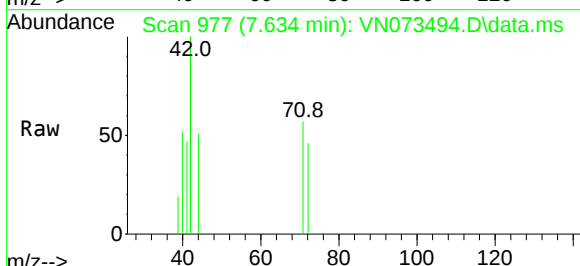
Tgt Ion: 42 Resp: 2083

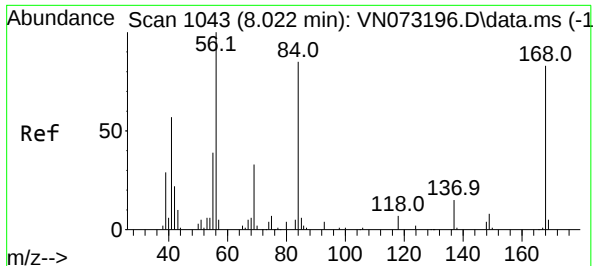
Ion Ratio Lower Upper

42 100

72 24.0 39.7 59.5#

71 67.1 36.6 55.0#

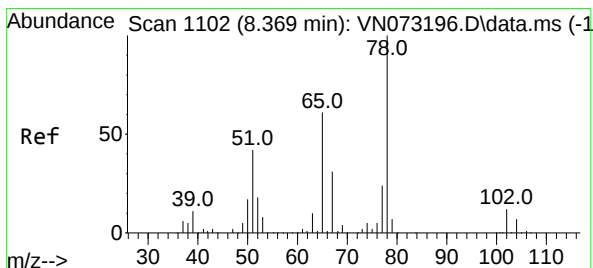
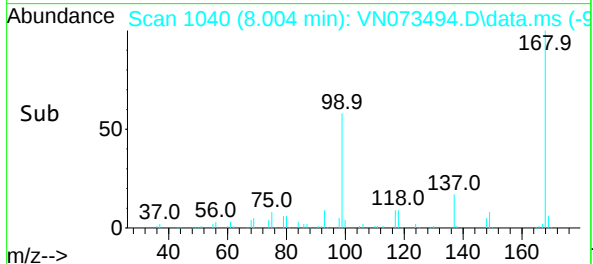
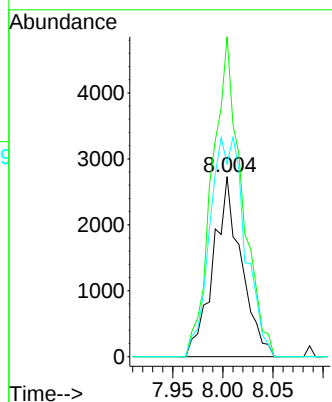
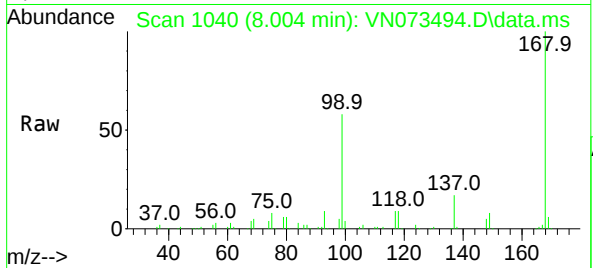




#31
Cyclohexane
Concen: 0.926 ug/l
RT: 8.004 min Scan# 1101
Delta R.T. -0.018 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

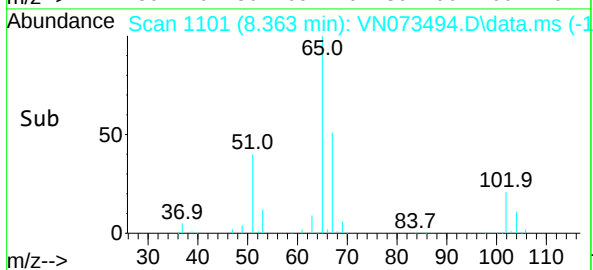
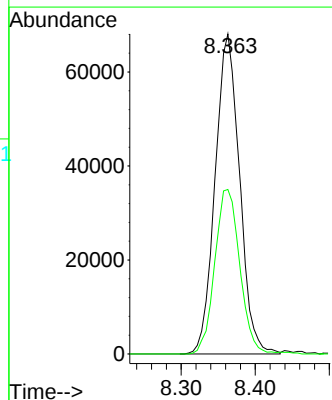
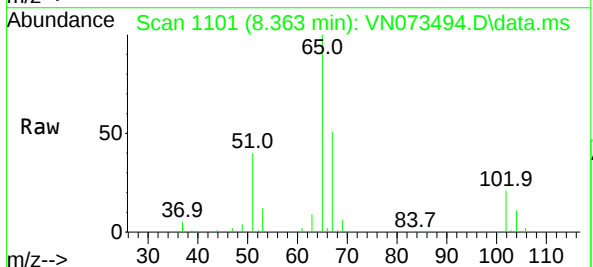
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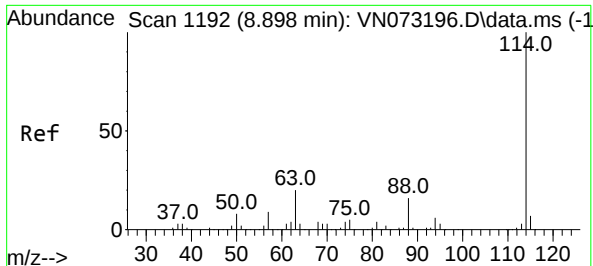
Tgt Ion: 56 Resp: 5300
Ion Ratio Lower Upper
56 100
69 177.8 27.8 41.8#
84 107.1 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 44.656 ug/l
RT: 8.363 min Scan# 1101
Delta R.T. -0.006 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

Tgt Ion: 65 Resp: 156079
Ion Ratio Lower Upper
65 100
67 52.9 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: VN073494.D

Acq: 18 Jul 2022 13:13

Instrument :

MSVOA_N

ClientSampleId :

OR-2-071322

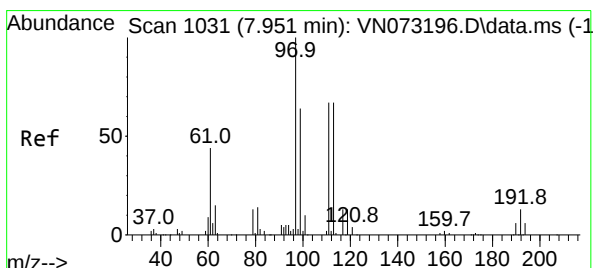
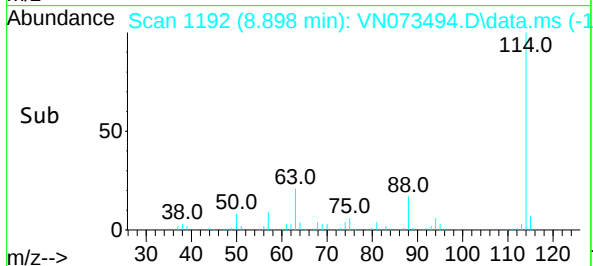
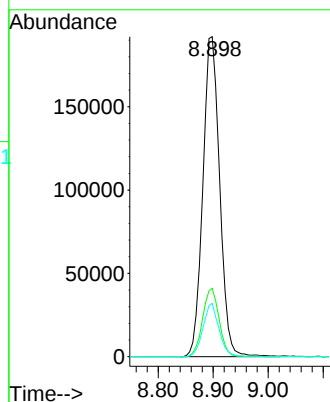
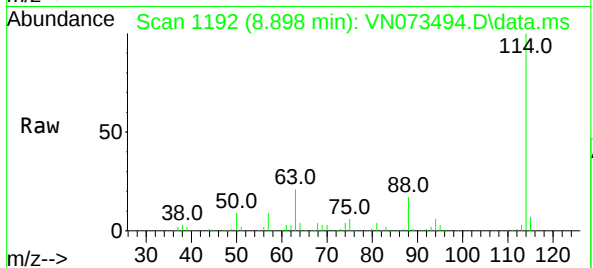
Tgt Ion:114 Resp: 408589

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 16.7 0.0 32.6



#35

Dibromofluoromethane

Concen: 46.782 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN073494.D

Acq: 18 Jul 2022 13:13

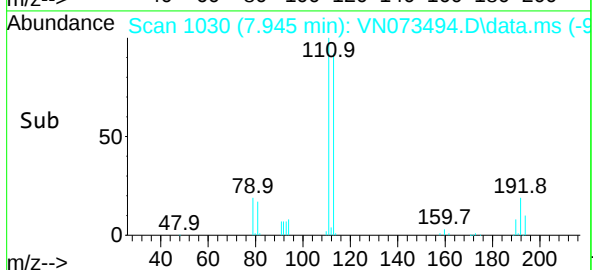
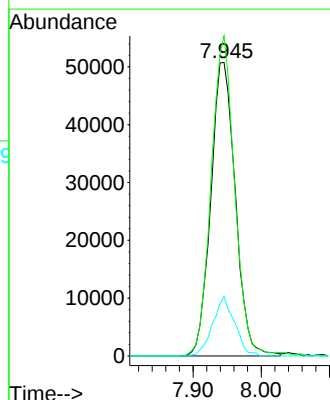
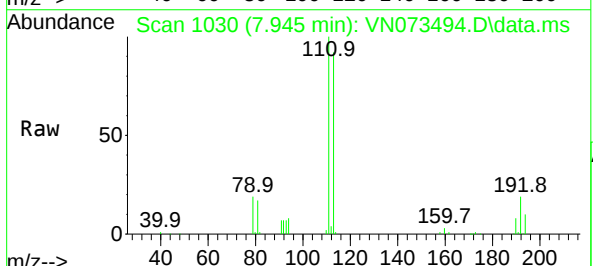
Tgt Ion:113 Resp: 127171

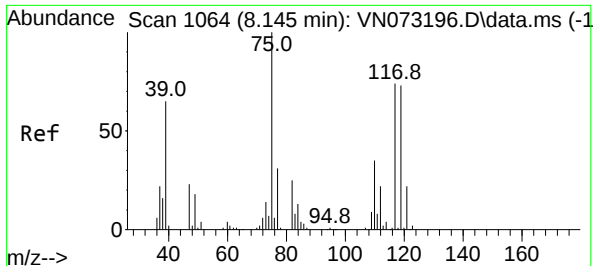
Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 18.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.854 ug/l

RT: 8.004 min Scan# 1040

Delta R.T. -0.141 min

Lab File: VN073494.D

Acq: 18 Jul 2022 13:13

Instrument :

MSVOA_N

ClientSampleId :

OR-2-071322

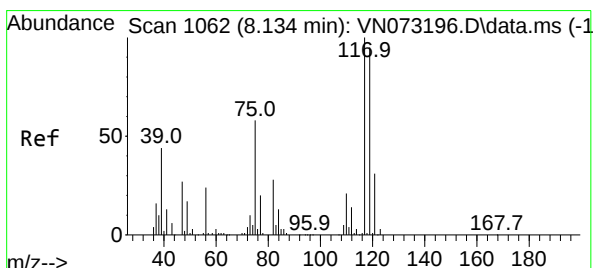
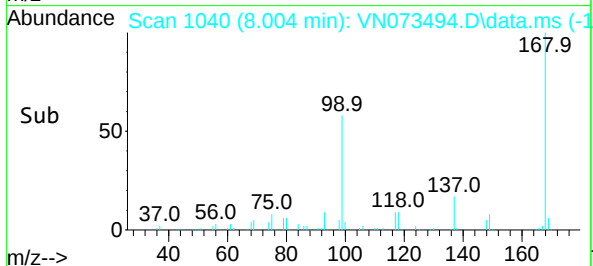
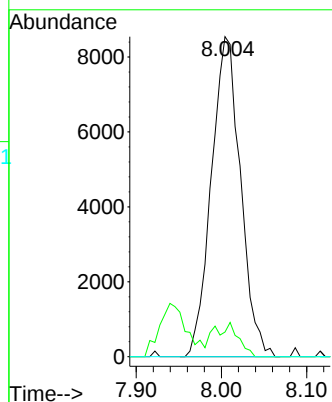
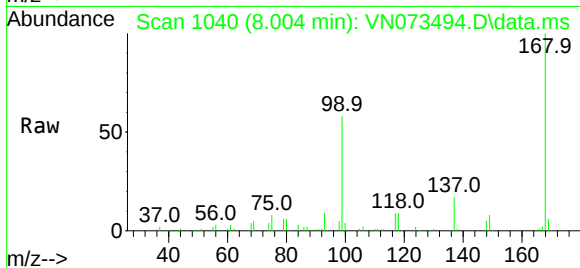
Tgt Ion: 75 Resp: 20304

Ion Ratio Lower Upper

75 100

110 2.3 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.627 ug/l

RT: 7.998 min Scan# 1039

Delta R.T. -0.136 min

Lab File: VN073494.D

Acq: 18 Jul 2022 13:13

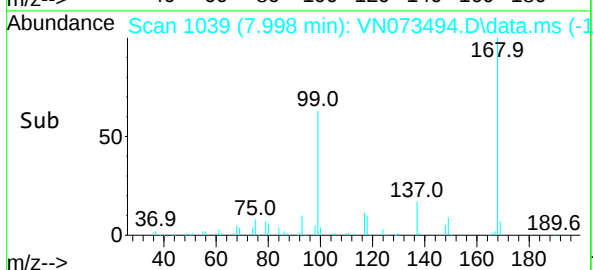
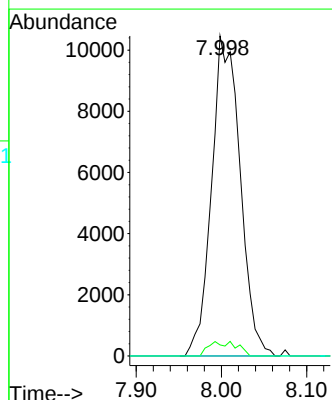
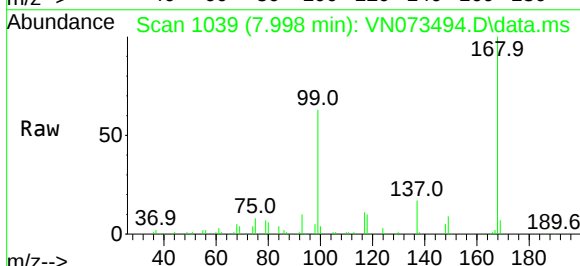
Tgt Ion: 117 Resp: 24339

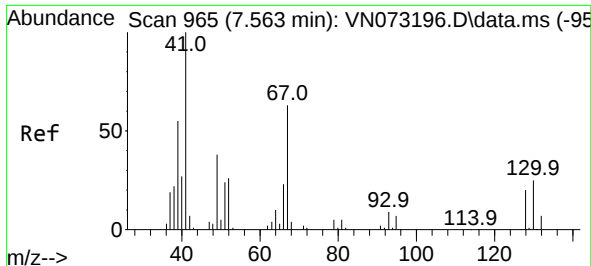
Ion Ratio Lower Upper

117 100

119 3.4 75.8 113.8#

121 0.0 24.6 37.0#

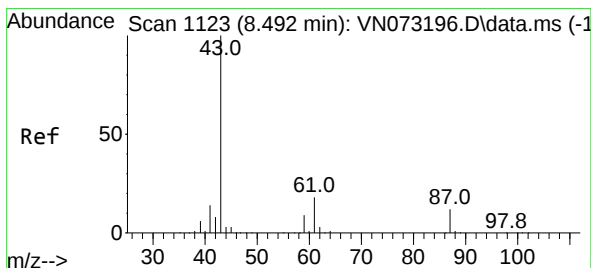
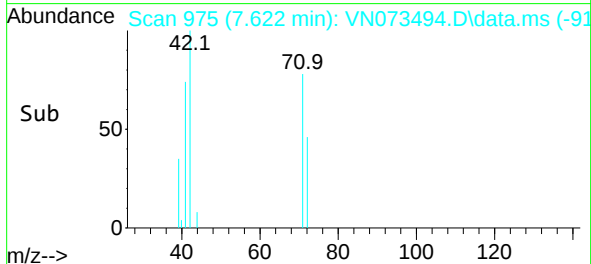
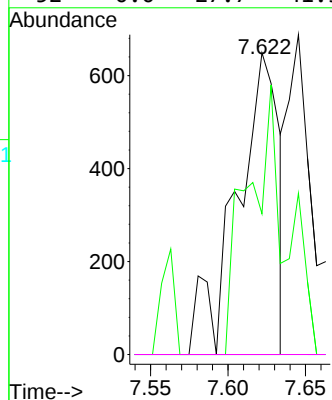
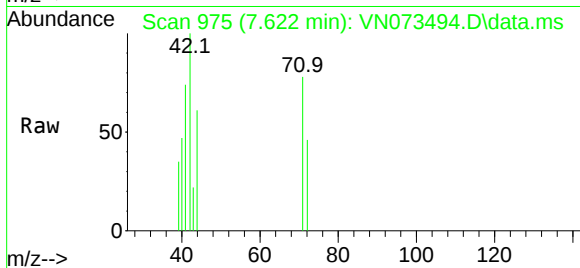




#41
Methacrylonitrile
Concen: 0.403 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.059 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

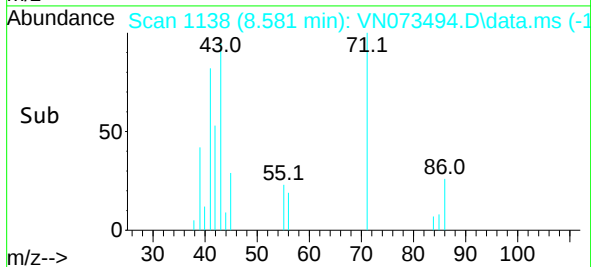
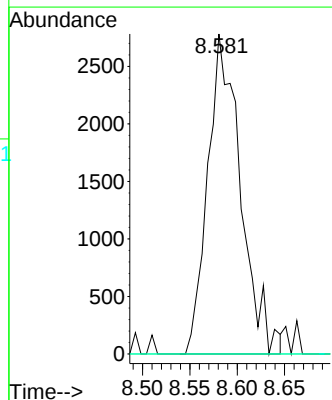
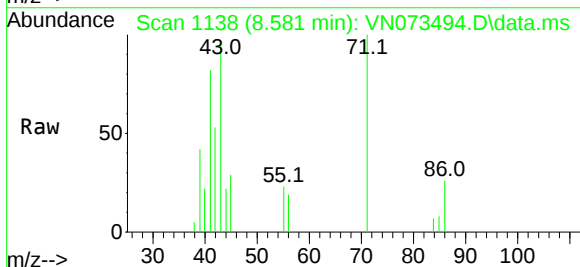
Instrument :
MSVOA_N
ClientSampleId :
OR-2-071322

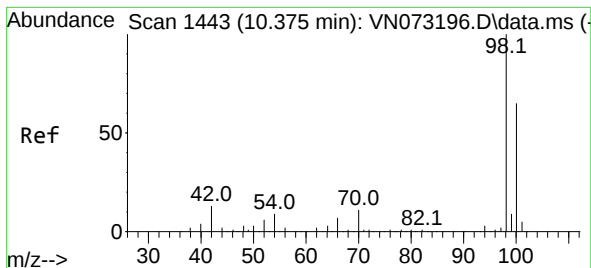
Tgt Ion:	41	Resp:	1234
Ion	Ratio	Lower	Upper
41	100		
39	81.9	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#43
Isopropyl Acetate
Concen: 0.738 ug/l
RT: 8.581 min Scan# 1138
Delta R.T. 0.089 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

Tgt Ion:	43	Resp:	6699
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#

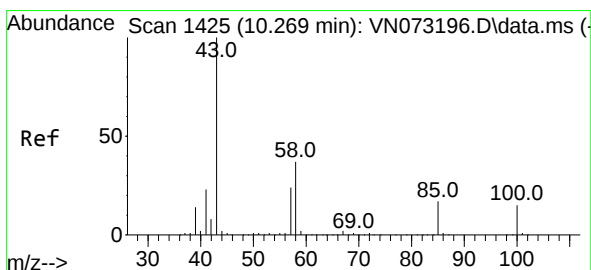
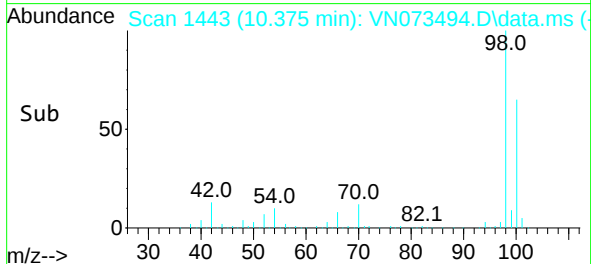
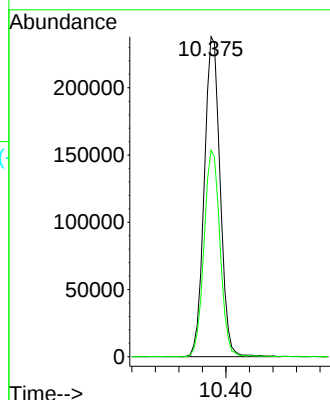
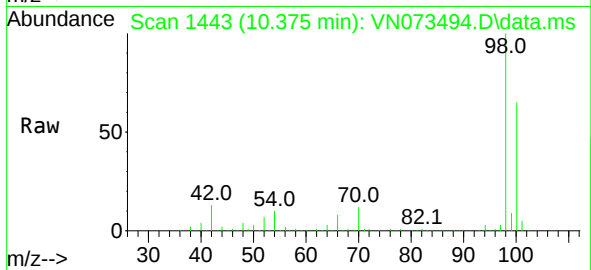




#50
Toluene-d8
Concen: 45.981 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

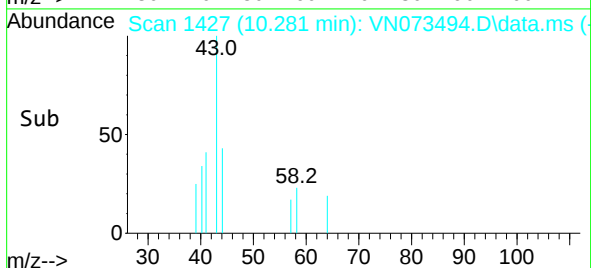
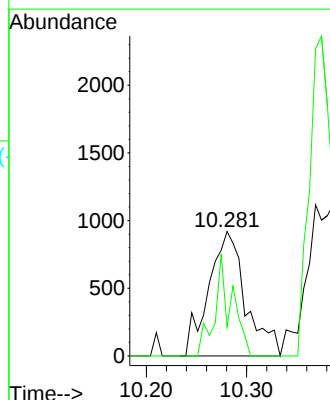
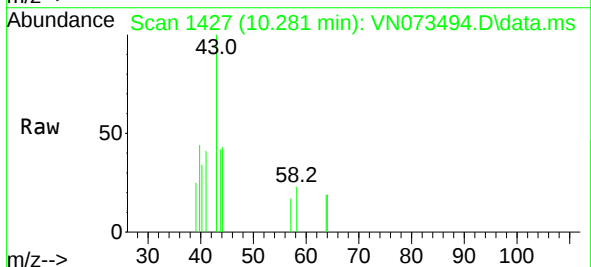
Instrument :
MSVOA_N
ClientSampleId :
OR-2-071322

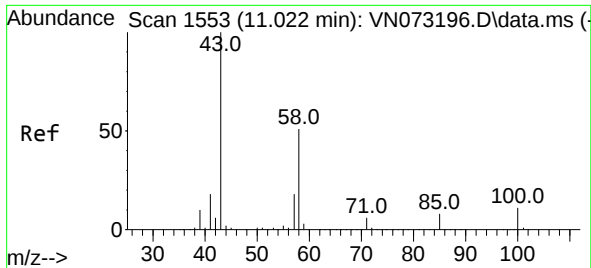
Tgt Ion: 98 Resp: 443936
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.409 ug/l
RT: 10.281 min Scan# 1427
Delta R.T. 0.011 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

Tgt Ion: 43 Resp: 2355
Ion Ratio Lower Upper
43 100
58 38.1 34.1 51.1

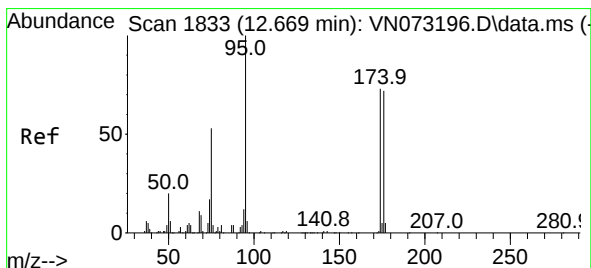
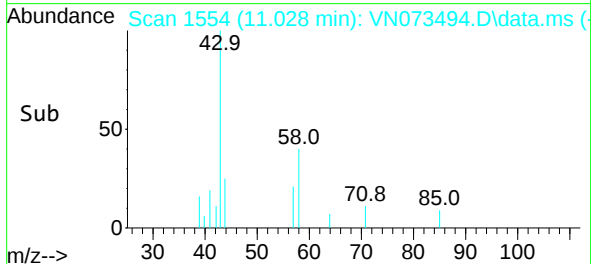
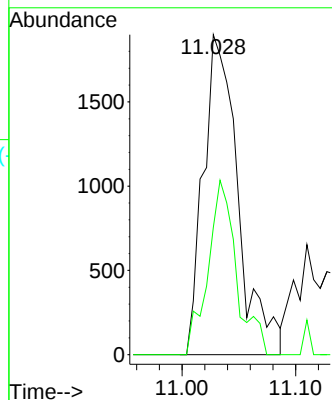
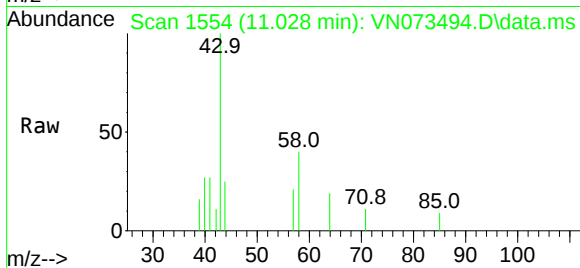




#59
2-Hexanone
Concen: 0.919 ug/l
RT: 11.028 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

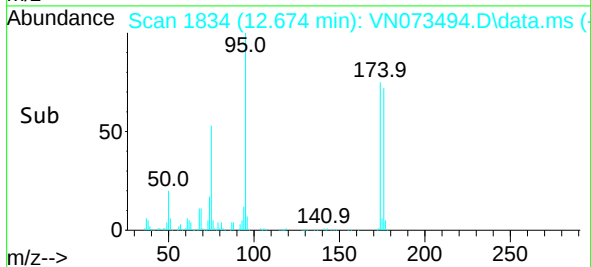
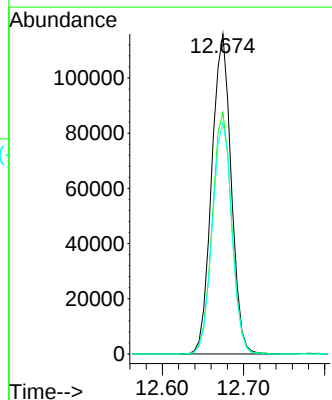
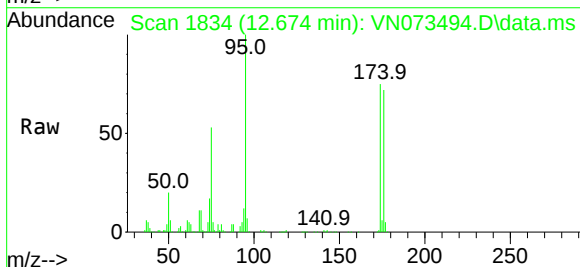
Instrument :
MSVOA_N
ClientSampleId :
OR-2-071322

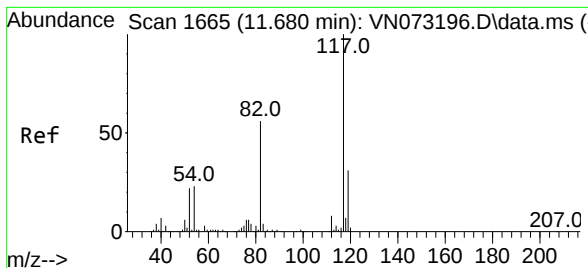
Tgt Ion: 43 Resp: 4036
Ion Ratio Lower Upper
43 100
58 44.5 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 51.963 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.005 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

Tgt Ion: 95 Resp: 192798
Ion Ratio Lower Upper
95 100
174 75.5 0.0 167.6
176 72.9 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: VN073494.D

Acq: 18 Jul 2022 13:13

Instrument :

MSVOA_N

ClientSampleId :

OR-2-071322

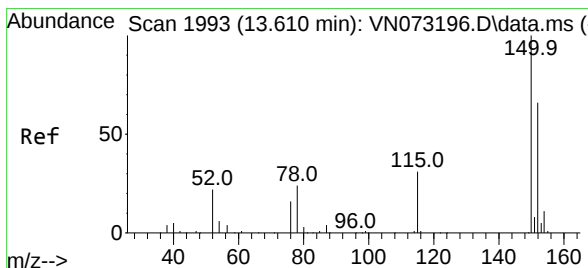
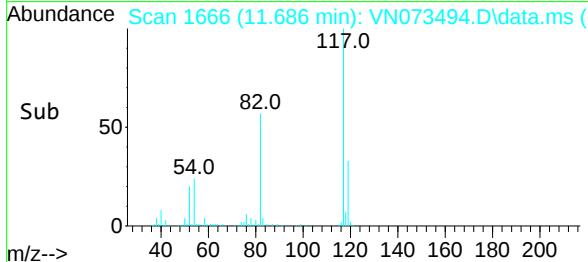
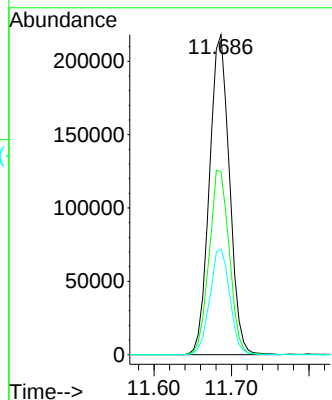
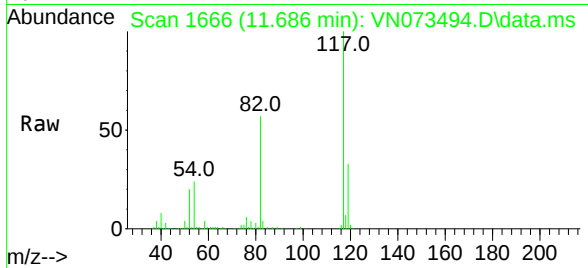
Tgt Ion:117 Resp: 392491

Ion Ratio Lower Upper

117 100

82 57.2 44.2 66.2

119 33.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VN073494.D

Acq: 18 Jul 2022 13:13

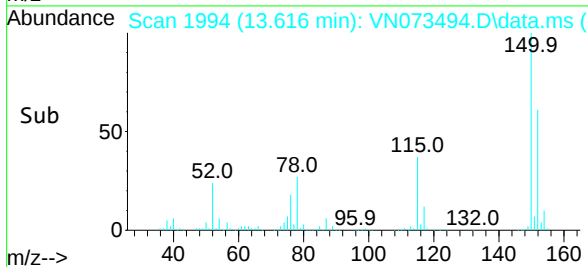
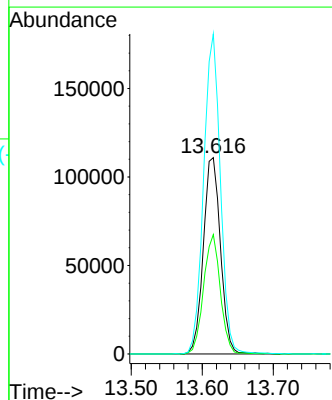
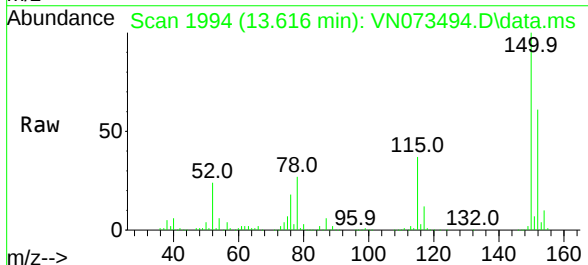
Tgt Ion:152 Resp: 186515

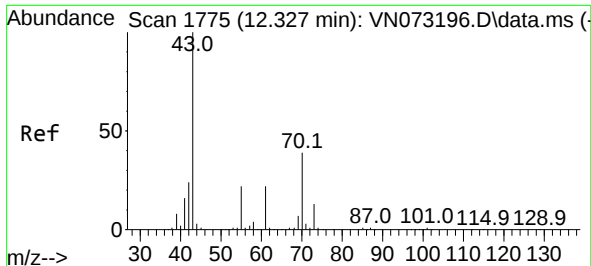
Ion Ratio Lower Upper

152 100

115 59.6 28.9 86.7

150 159.4 0.0 356.2

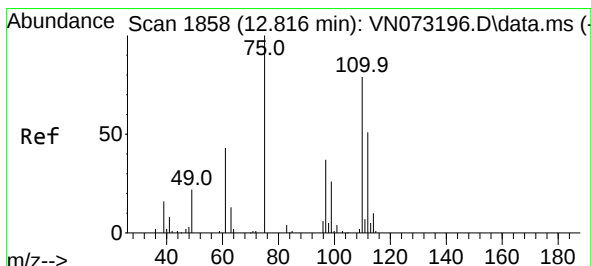
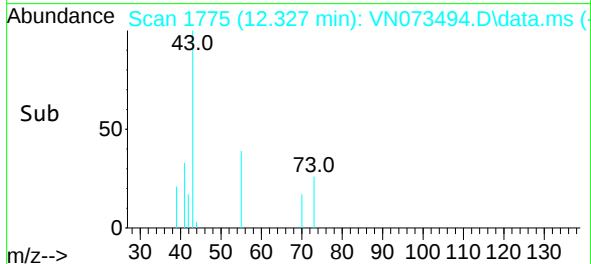
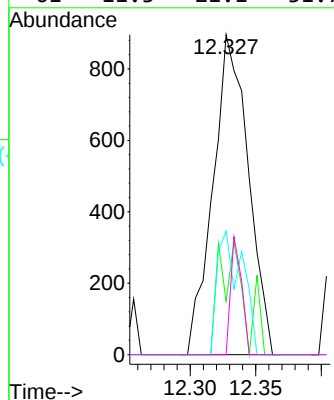
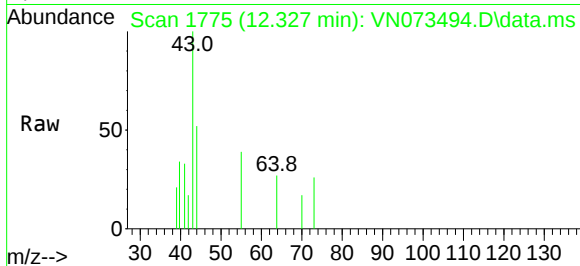




#74
N-amy1 acetate
Concen: 0.208 ug/l
RT: 12.327 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

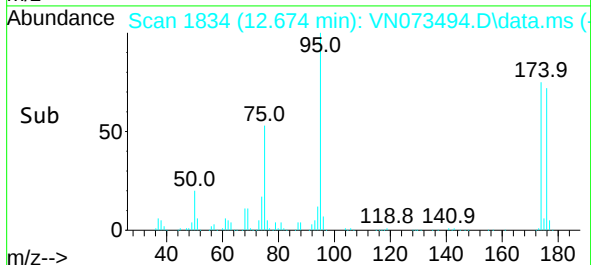
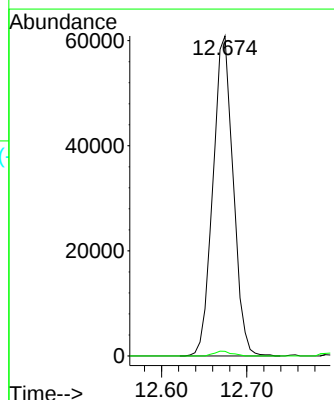
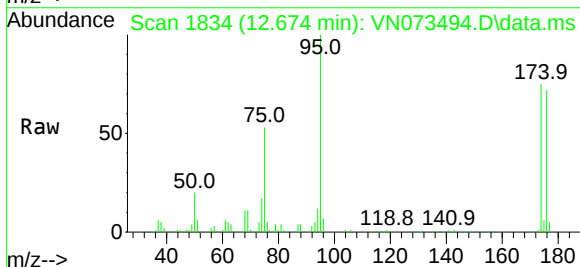
Instrument :
MSVOA_N
ClientSampleId :
OR-2-071322

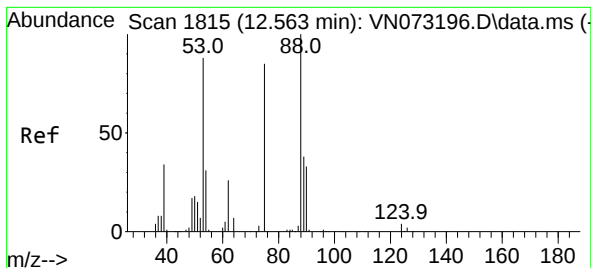
Tgt Ion: 43	Resp: 1678
Ion Ratio	Lower Upper
43 100	
70 20.3	39.0 58.4#
55 27.1	21.1 31.7
61 11.3	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.600 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

Tgt Ion: 75	Resp: 100465
Ion Ratio	Lower Upper
75 100	
77 1.3	98.5 295.5#

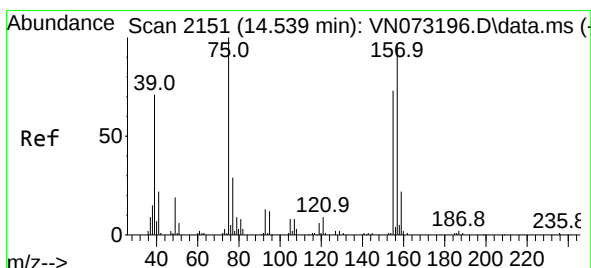
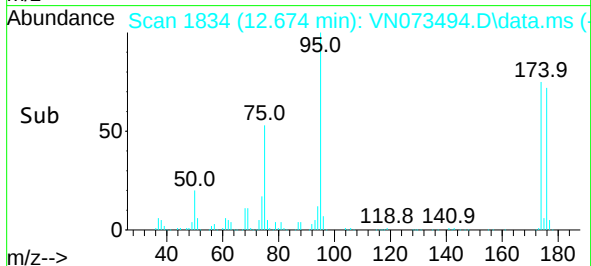
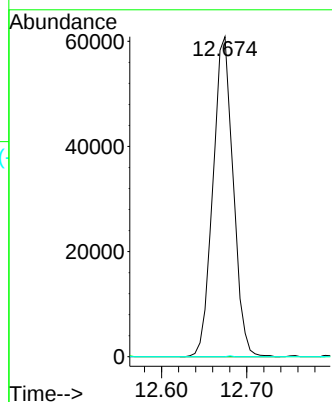
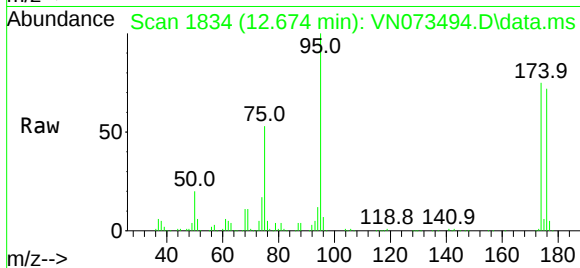




#81
trans-1,4-Dichloro-2-butene
Concen: 56.494 ug/l
RT: 12.674 min Scan# 1815
Delta R.T. 0.111 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

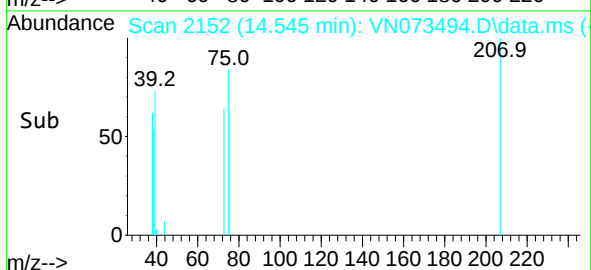
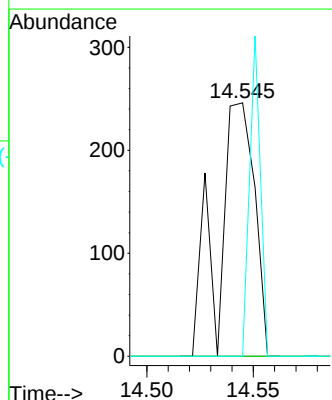
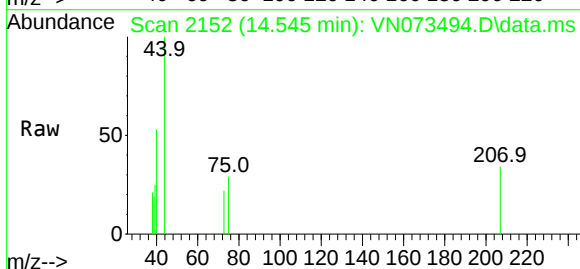
Instrument :
MSVOA_N
ClientSampleId :
OR-2-071322

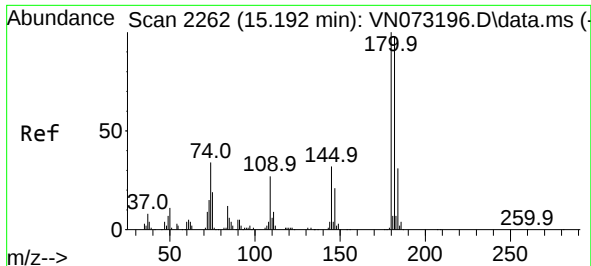
Tgt Ion: 75 Resp: 100465
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.226 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

Tgt Ion: 75 Resp: 293
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 37.5 59.0 176.8#

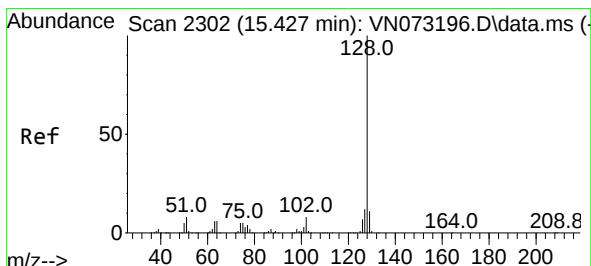
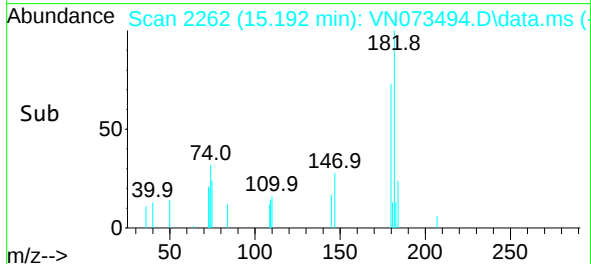
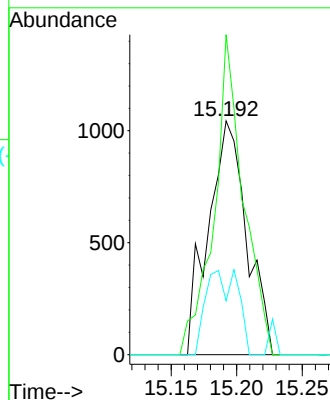
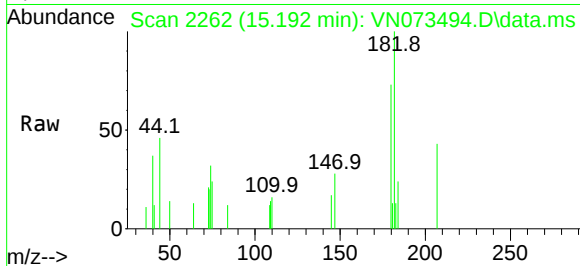




#93
1,2,4-Trichlorobenzene
Concen: 0.597 ug/l
RT: 15.192 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

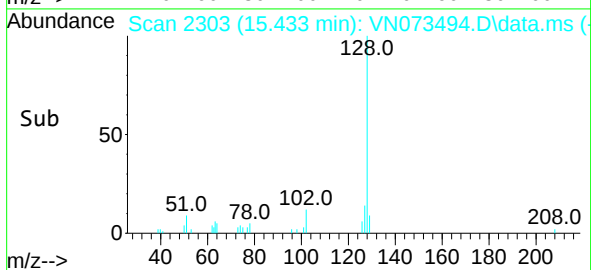
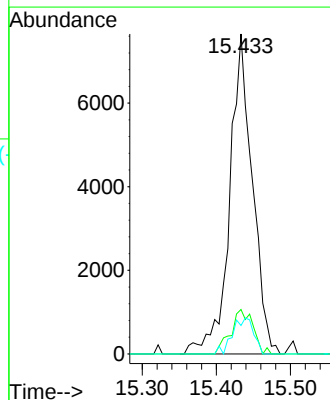
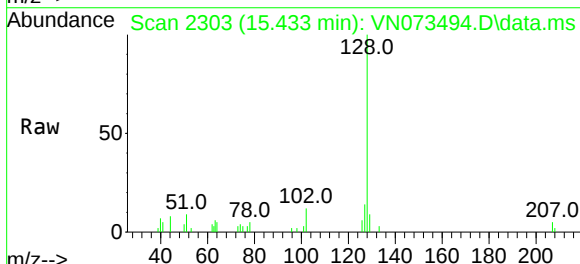
Instrument :
MSVOA_N
ClientSampleId :
OR-2-071322

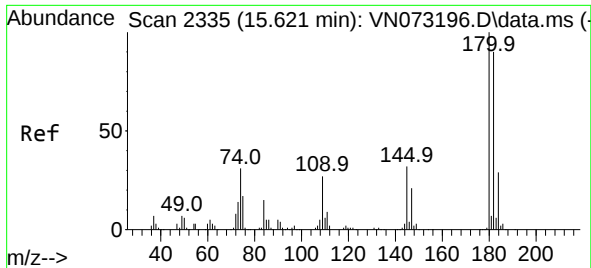
Tgt Ion:180	Resp:	2126
Ion Ratio	Lower	Upper
180	100	
182	104.2	47.5 142.5
145	29.9	14.5 43.5



#95
Naphthalene
Concen: 1.139 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073494.D
Acq: 18 Jul 2022 13:13

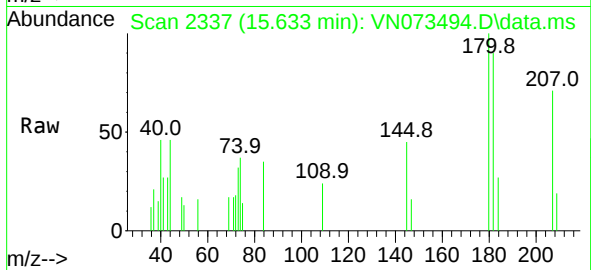
Tgt Ion:128	Resp:	16367
Ion Ratio	Lower	Upper
128	100	
127	13.6	10.3 15.5
129	10.4	8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.785 ug/l
 RT: 15.633 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN073494.D
 Acq: 18 Jul 2022 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 OR-2-071322



Tgt Ion:	180	Resp:	2885
Ion	Ratio	Lower	Upper
180	100		
182	86.4	47.8	143.3
145	38.5	15.5	46.5

