

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071122\
 Data File : VN073414.D
 Acq On : 11 Jul 2022 13:04
 Operator : JC\MD
 Sample : N3642-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Jul 12 07:25:57 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)

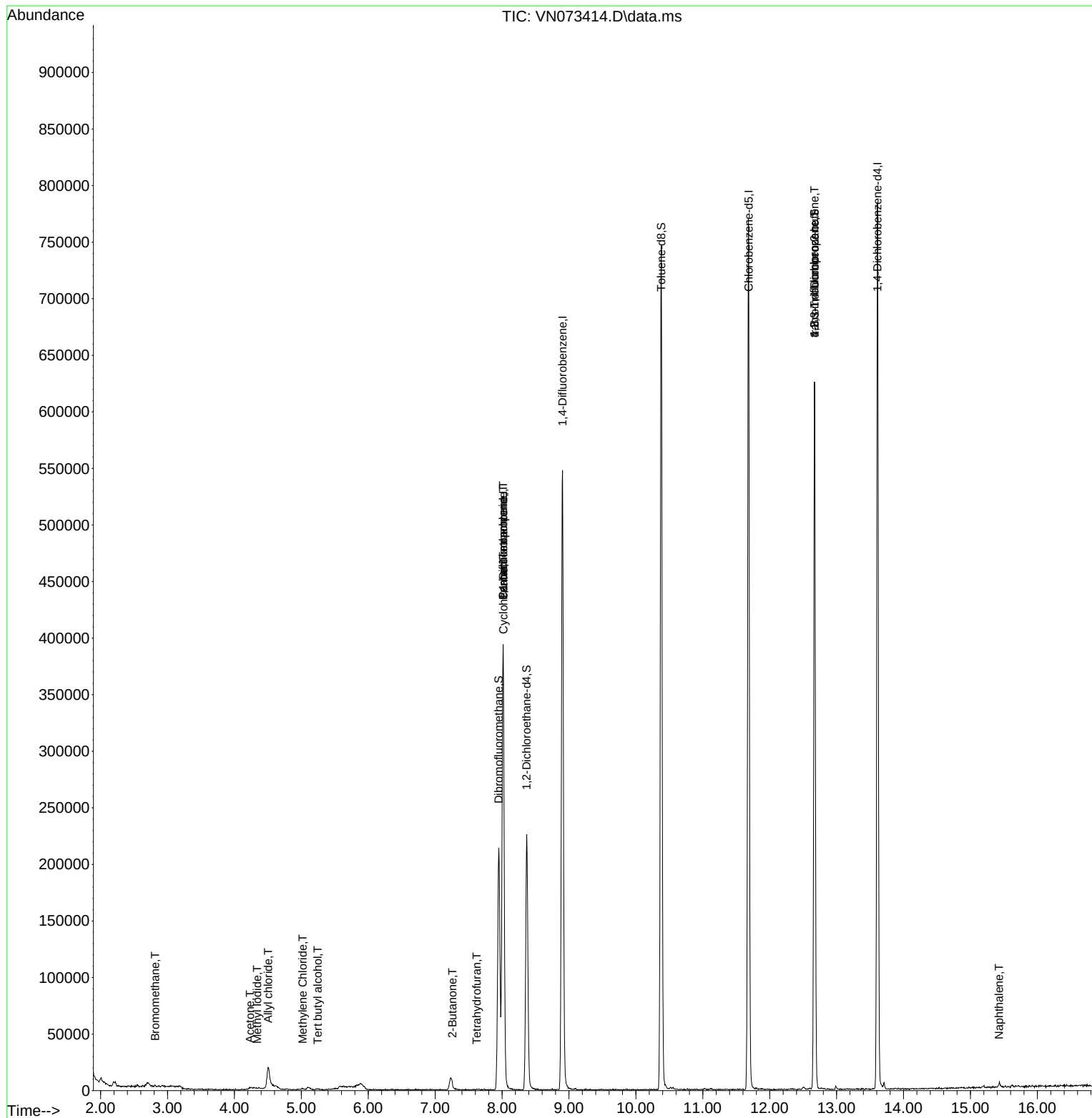
Internal Standards						
1) Pentafluorobenzene	8.016	168	293557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	482162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	445900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	204407	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	190278	44.900	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.800%
35) Dibromofluoromethane	7.951	113	160250	49.955	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.900%
50) Toluene-d8	10.380	98	508790	44.657	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.320%
62) 4-Bromofluorobenzene	12.669	95	217959	49.780	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.560%
Target Compounds						
					Qvalue	
5) Bromomethane	2.816	94	612	0.366	ug/l #	71
10) Methyl Iodide	4.340	142	62	3.748	ug/l #	44
11) Tert butyl alcohol	5.245	59	353	0.344	ug/l #	72
14) Allyl chloride	4.504	41	3067	0.421	ug/l #	52
16) Acetone	4.234	43	3763	1.582	ug/l	96
20) Methylene Chloride	5.022	84	885	0.212	ug/l #	27
25) 2-Butanone	7.257	43	1132	0.299	ug/l #	45
29) Tetrahydrofuran	7.622	42	521	0.201	ug/l #	38
31) Cyclohexane	8.022	56	7073	1.019	ug/l #	18
36) 1,1-Dichloropropene	8.016	75	24632	4.990	ug/l #	49
38) Carbon Tetrachloride	8.016	117	31453	6.162	ug/l #	17
76) 1,2,3-Trichloropropane	12.669	75	114916	21.500	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	114916	58.964	ug/l #	10
95) Naphthalene	15.427	128	4243	0.269	ug/l	97

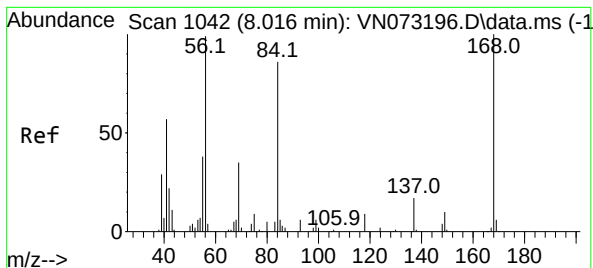
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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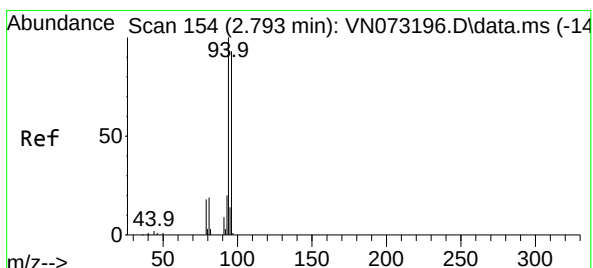
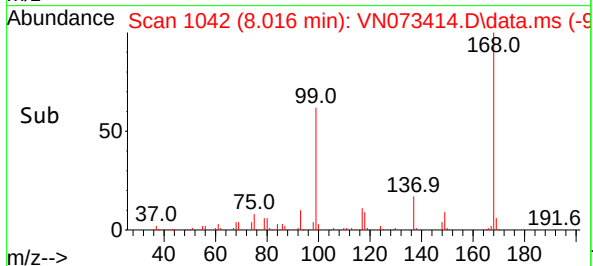
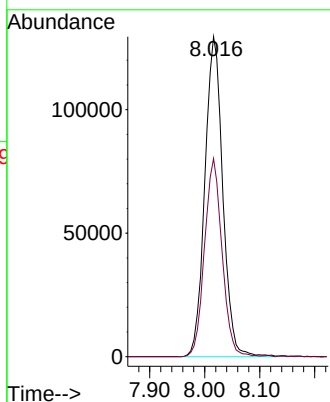
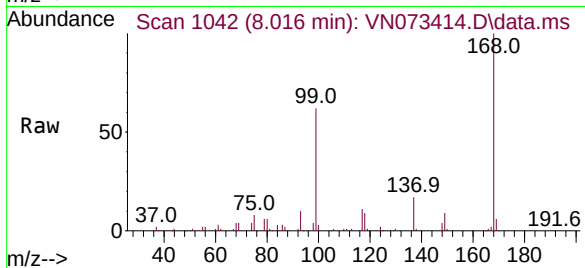




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

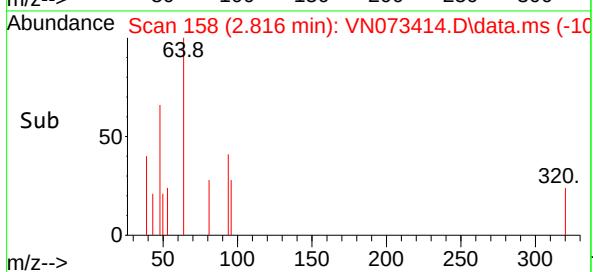
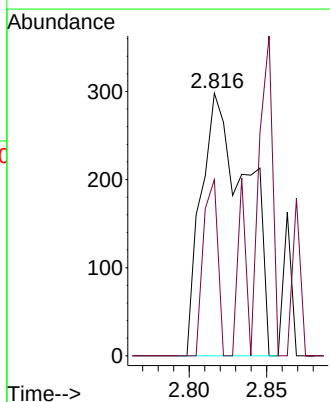
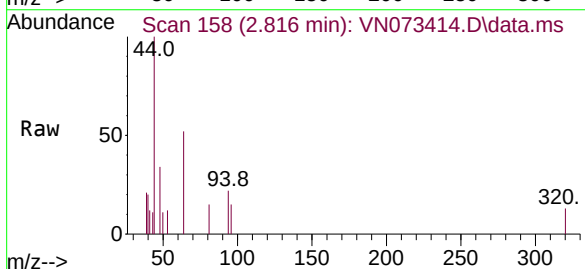
Instrument :
MSVOA_N
ClientSampleId :
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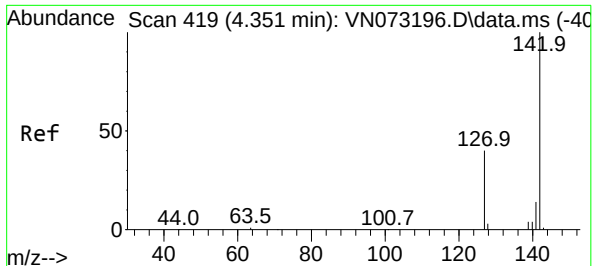
Tgt Ion:168 Resp: 293557
Ion Ratio Lower Upper
168 100
99 61.9 42.3 63.5



#5
Bromomethane
Concen: 0.366 ug/l
RT: 2.816 min Scan# 158
Delta R.T. 0.023 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

Tgt Ion: 94 Resp: 612
Ion Ratio Lower Upper
94 100
96 67.1 76.0 114.0#

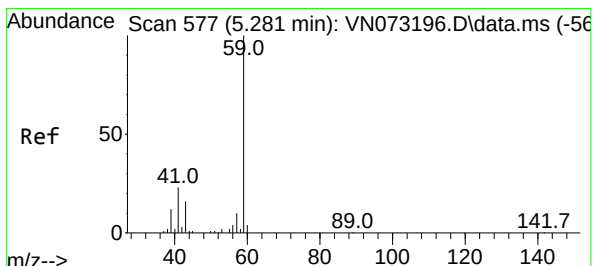
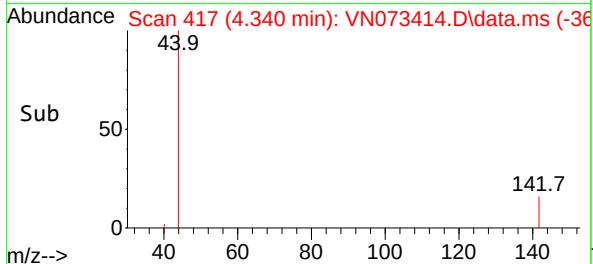
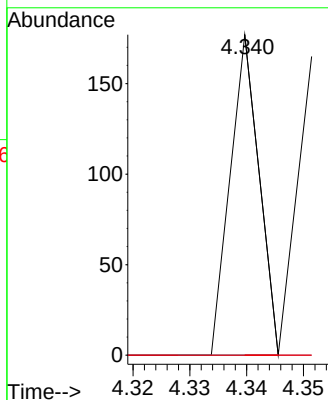
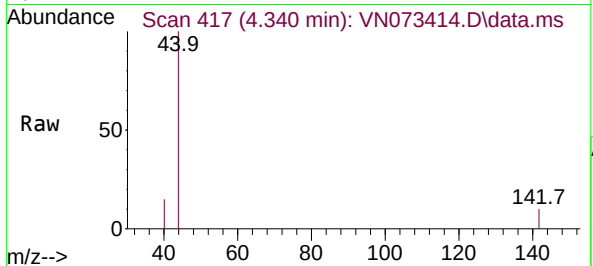




#10
Methyl Iodide
Concen: 3.748 ug/l
RT: 4.340 min Scan# 419
Delta R.T. -0.011 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

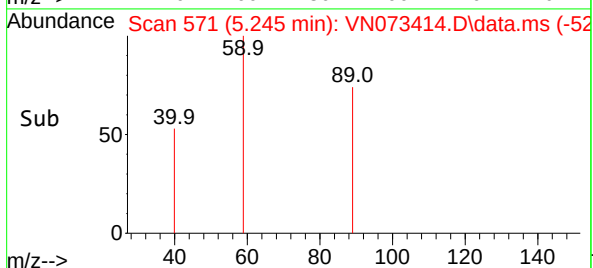
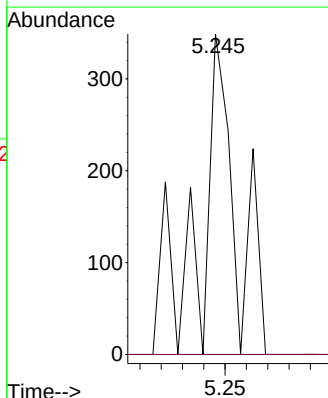
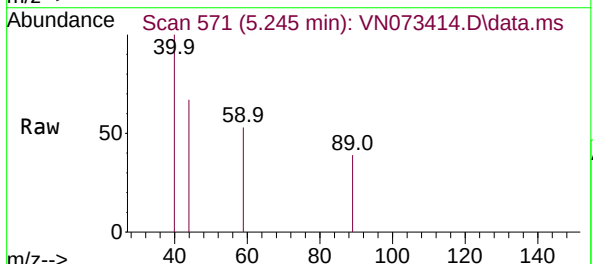
Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

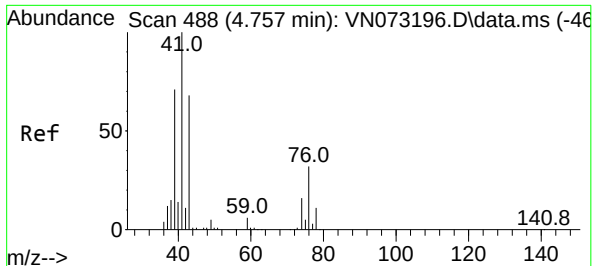
Tgt Ion:142 Resp: 62
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 0.344 ug/l
RT: 5.245 min Scan# 571
Delta R.T. -0.036 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

Tgt Ion: 59 Resp: 353
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

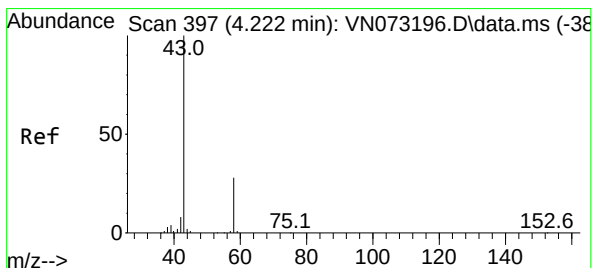
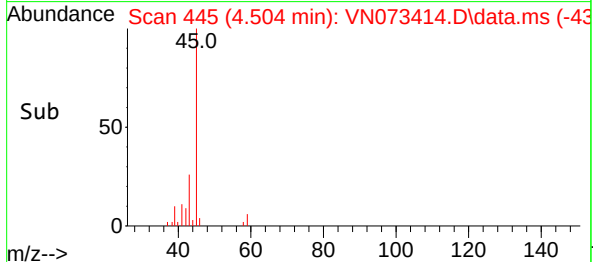
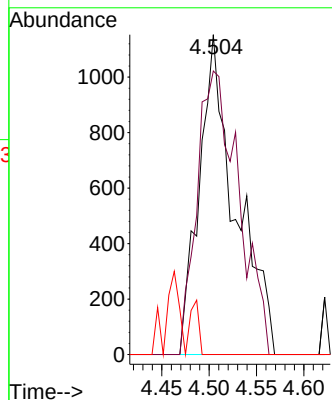
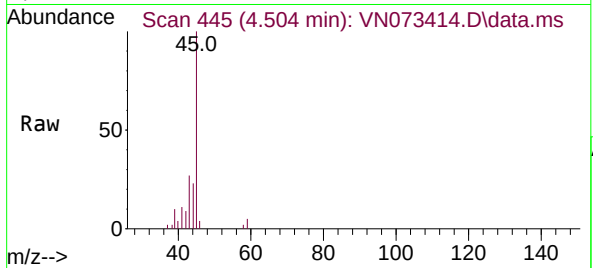




#14
 Allyl chloride
 Concen: 0.421 ug/l
 RT: 4.504 min Scan# 445
 Delta R.T. -0.253 min
 Lab File: VN073414.D
 Acq: 11 Jul 2022 13:04

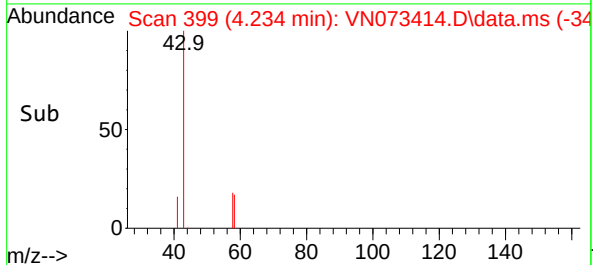
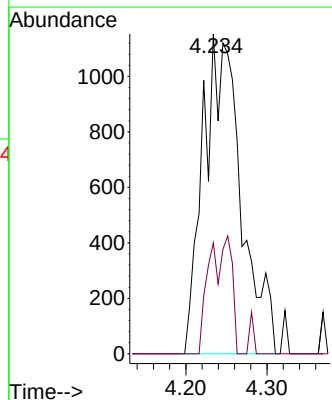
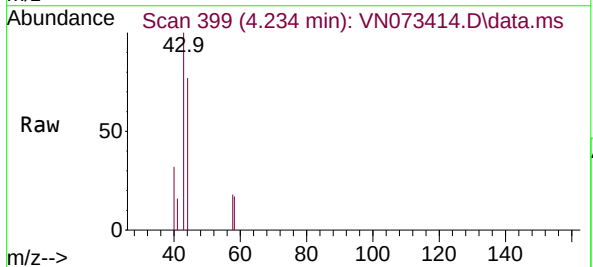
Instrument :
 MSVOA_N
 ClientSampleId :
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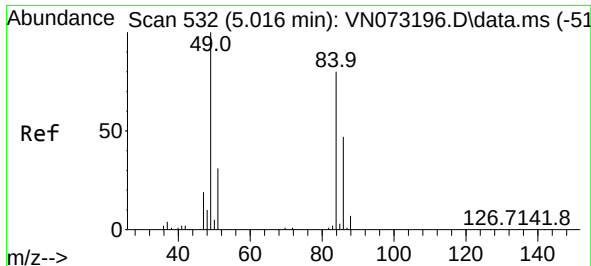
Tgt Ion: 41 Resp: 3067
 Ion Ratio Lower Upper
 41 100
 39 101.6 53.2 79.8#
 76 4.1 29.9 44.9#



#16
 Acetone
 Concen: 1.582 ug/l
 RT: 4.234 min Scan# 399
 Delta R.T. 0.012 min
 Lab File: VN073414.D
 Acq: 11 Jul 2022 13:04

Tgt Ion: 43 Resp: 3763
 Ion Ratio Lower Upper
 43 100
 58 34.7 26.0 39.0

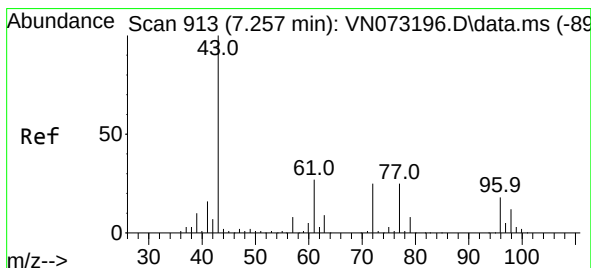
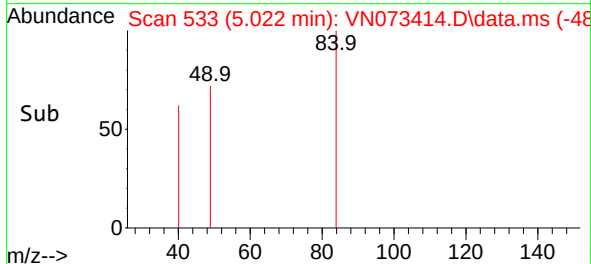
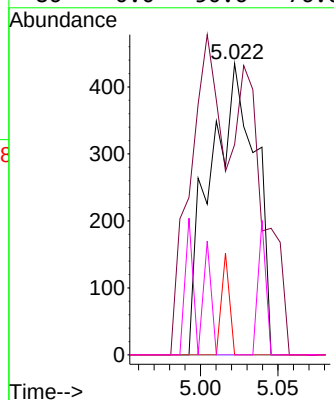
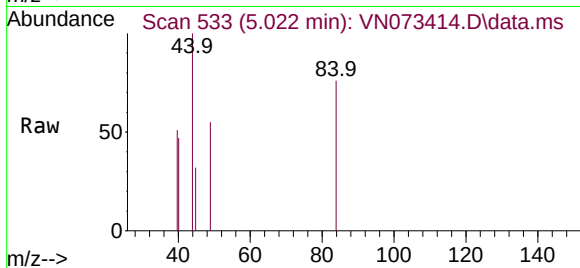




#20
Methylene Chloride
Concen: 0.212 ug/l
RT: 5.022 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

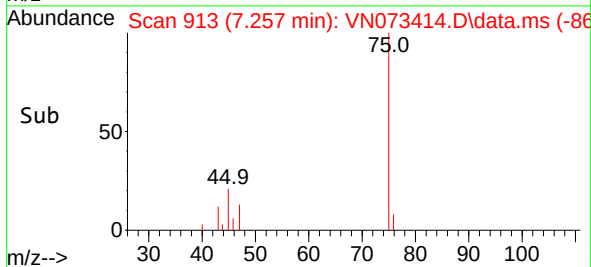
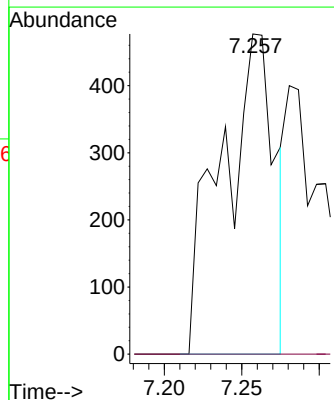
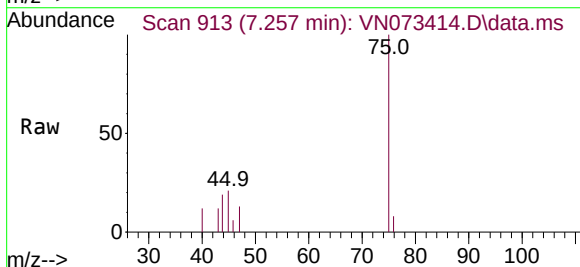
Instrument :
MSVOA_N
ClientSampleId :
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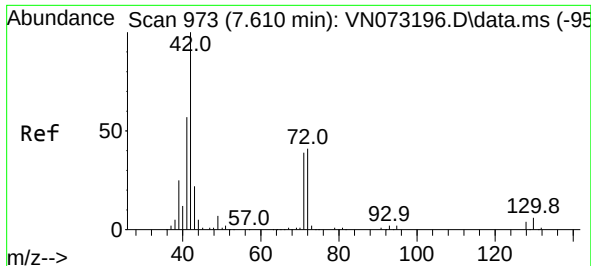
Tgt Ion:	84	Resp:	885
Ion	Ratio	Lower	Upper
84	100		
49	33.6	88.3	132.5#
51	0.0	28.2	42.2#
86	0.0	50.6	76.0#



#25
2-Butanone
Concen: 0.299 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

Tgt Ion:	43	Resp:	1132
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.201 ug/l

RT: 7.622 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN073414.D

Acq: 11 Jul 2022 13:04

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

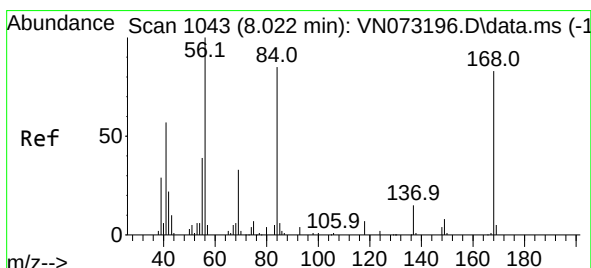
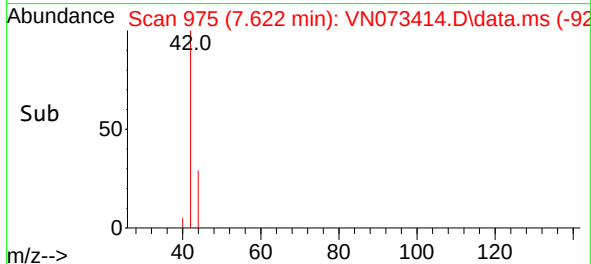
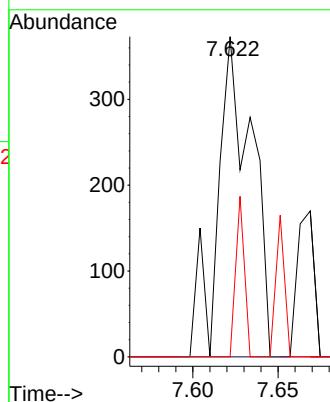
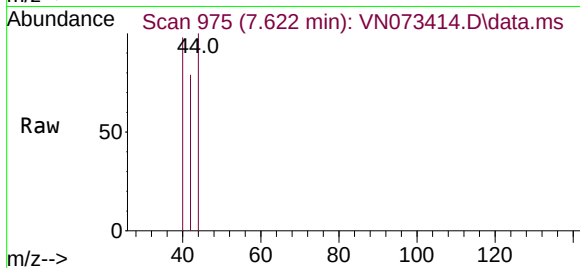
Tgt Ion: 42 Resp: 521

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 12.7 36.6 55.0#



#31

Cyclohexane

Concen: 1.019 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073414.D

Acq: 11 Jul 2022 13:04

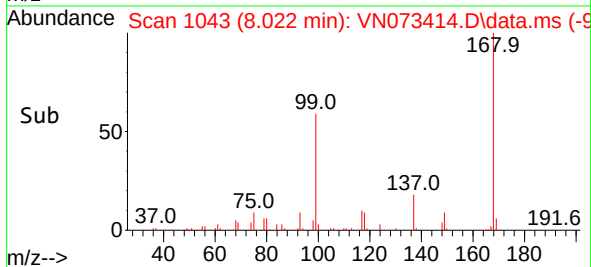
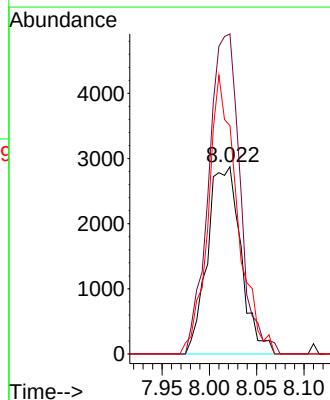
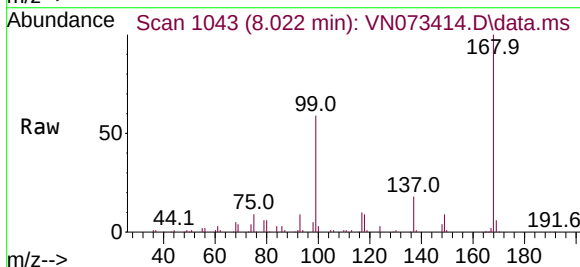
Tgt Ion: 56 Resp: 7073

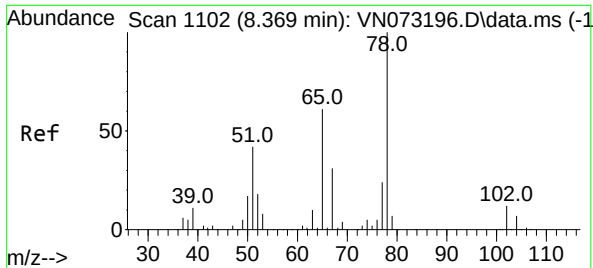
Ion Ratio Lower Upper

56 100

69 171.0 27.8 41.8#

84 122.0 76.9 115.3#

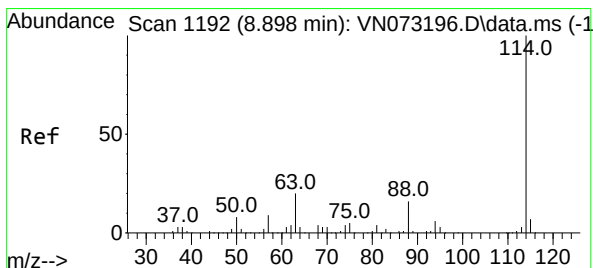
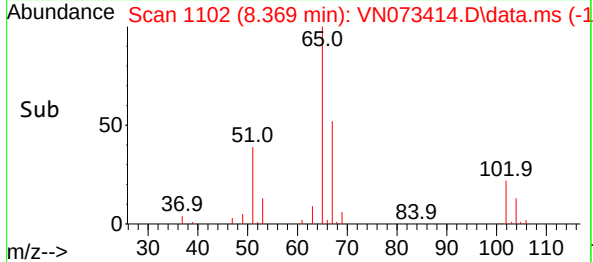
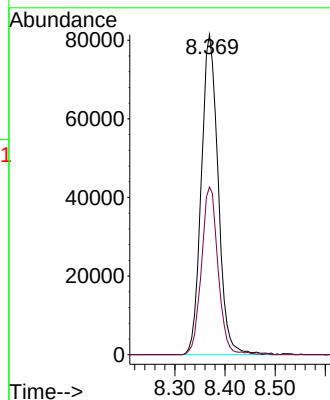
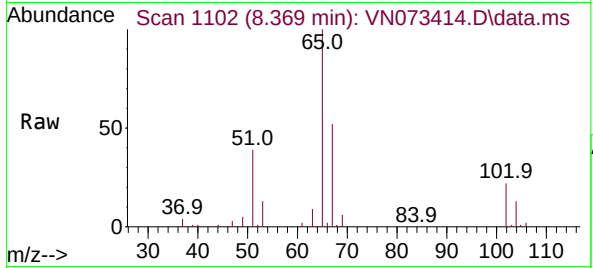




#33
 1,2-Dichloroethane-d4
 Concen: 44.900 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. -0.000 min
 Lab File: VN073414.D
 Acq: 11 Jul 2022 13:04

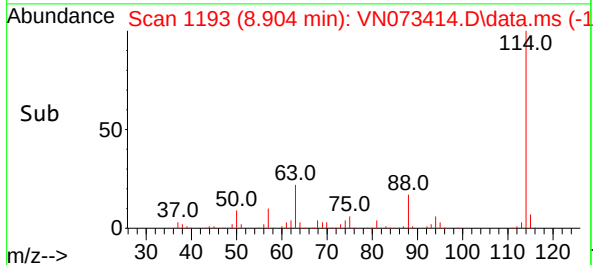
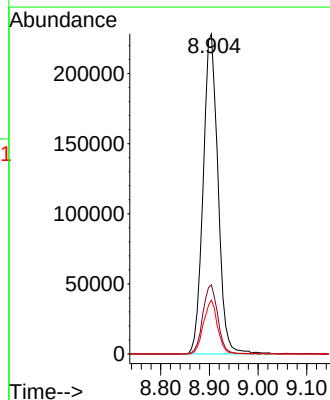
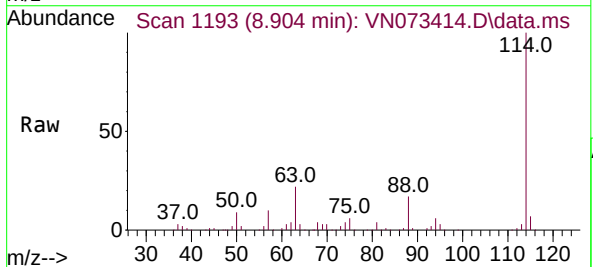
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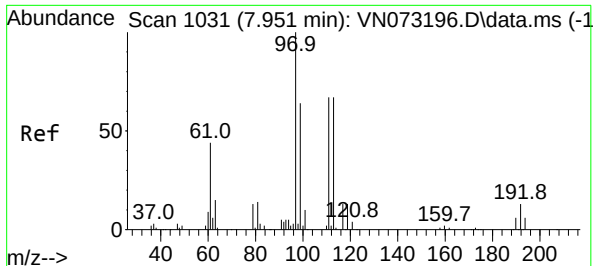
Tgt Ion: 65 Resp: 190278
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VN073414.D
 Acq: 11 Jul 2022 13:04

Tgt Ion: 114 Resp: 482162
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.0
 88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.955 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073414.D

Acq: 11 Jul 2022 13:04

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

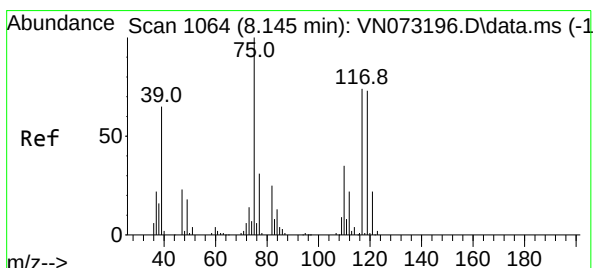
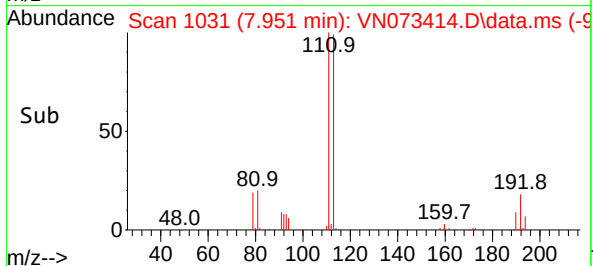
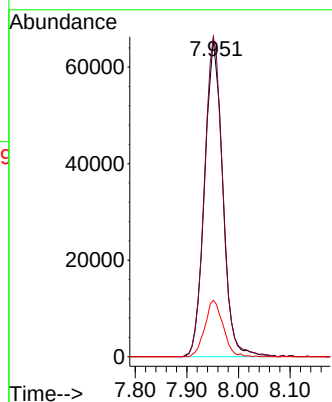
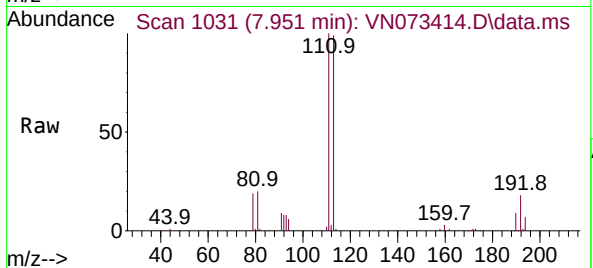
Tgt Ion:113 Resp: 160250

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 17.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.990 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073414.D

Acq: 11 Jul 2022 13:04

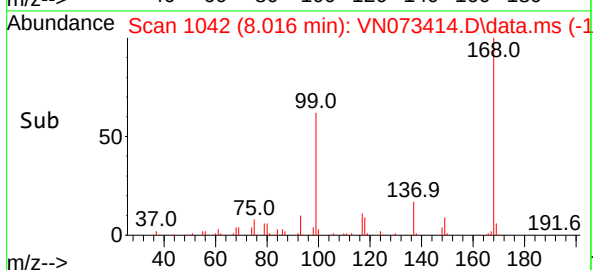
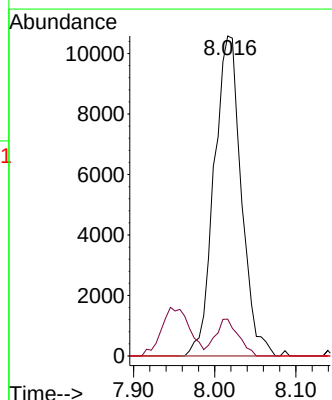
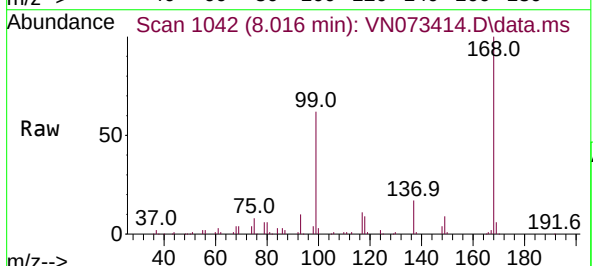
Tgt Ion: 75 Resp: 24632

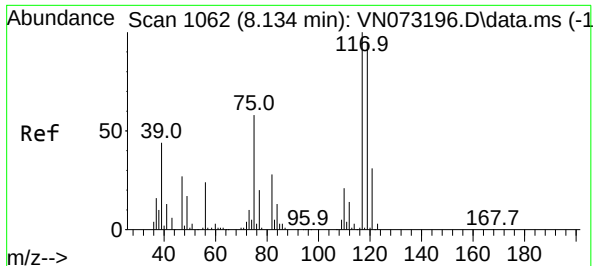
Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.8#

77 0.0 25.1 37.7#

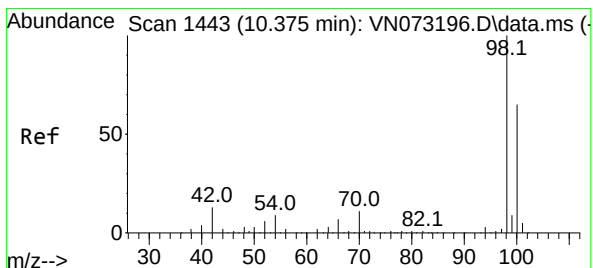
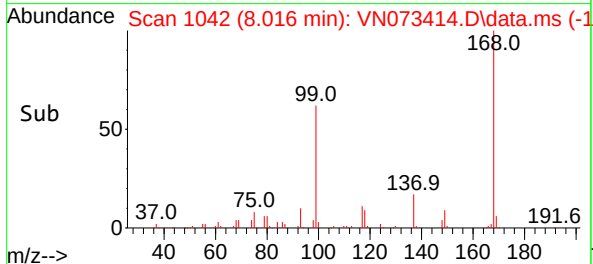
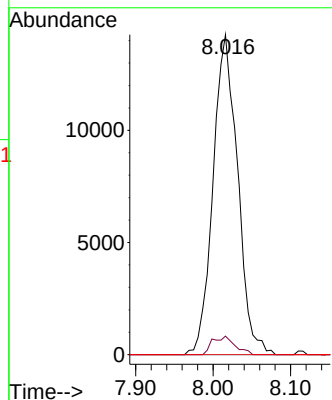
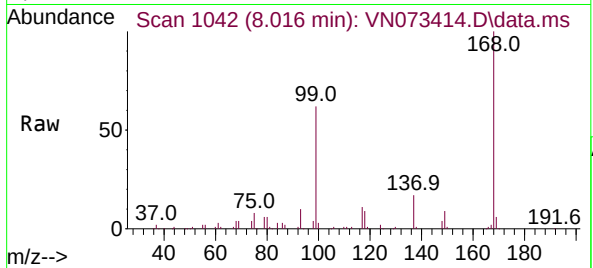




#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

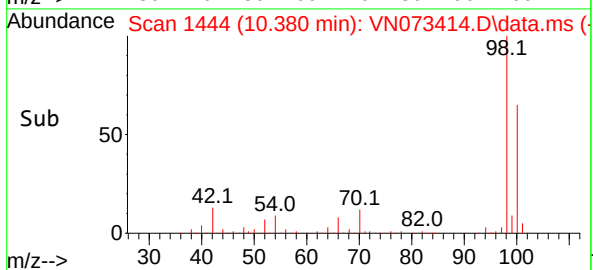
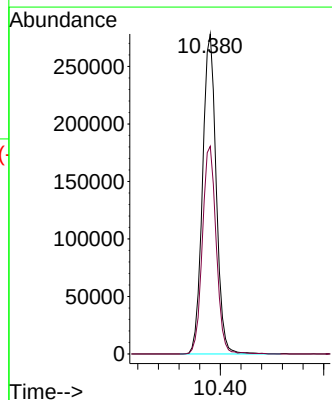
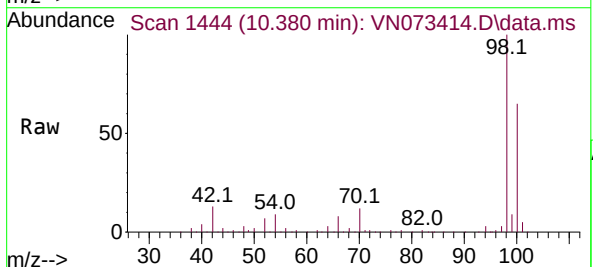
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ClientSampleId :
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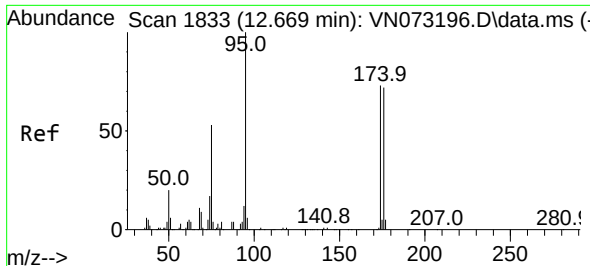
Tgt Ion:117 Resp: 31453
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.657 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

Tgt Ion: 98 Resp: 508790
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

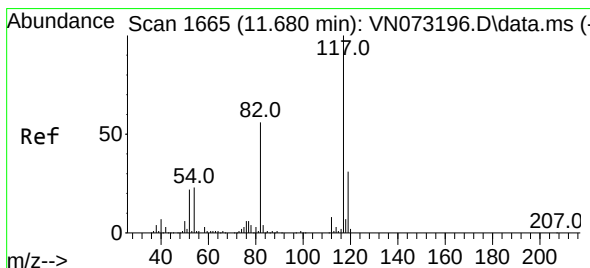
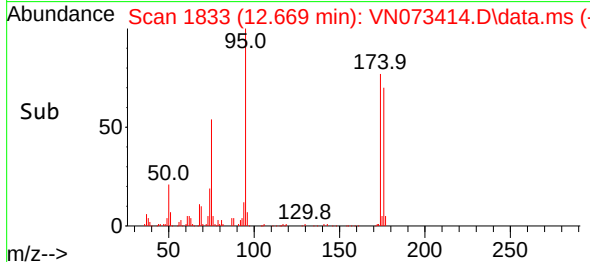
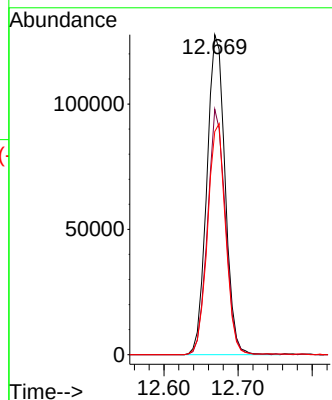
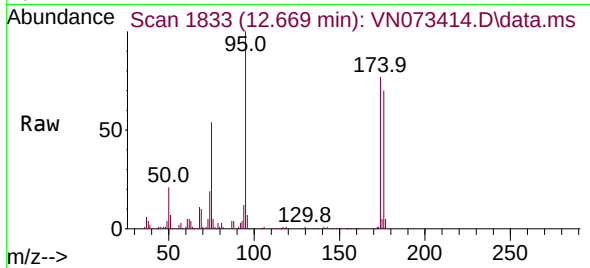




#62
4-Bromofluorobenzene
Concen: 49.780 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

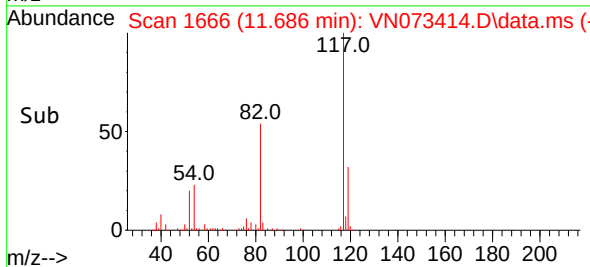
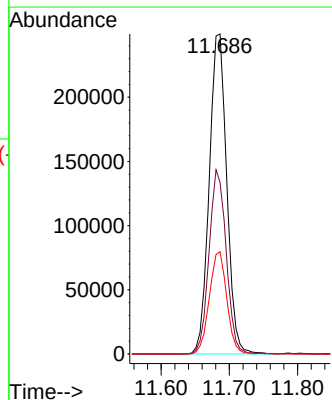
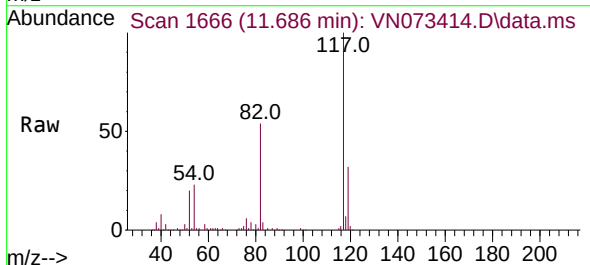
Instrument :
MSVOA_N
ClientSampleId :
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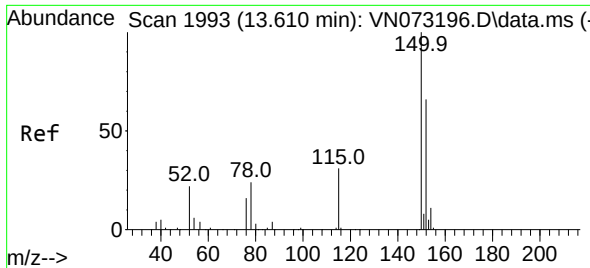
Tgt Ion: 95 Resp: 217959
Ion Ratio Lower Upper
95 100
174 75.1 0.0 167.6
176 71.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

Tgt Ion: 117 Resp: 445900
Ion Ratio Lower Upper
117 100
82 53.6 44.2 66.2
119 31.9 25.4 38.0

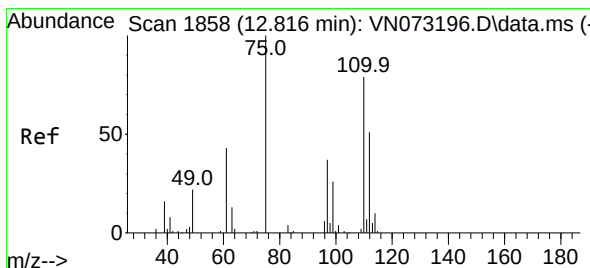
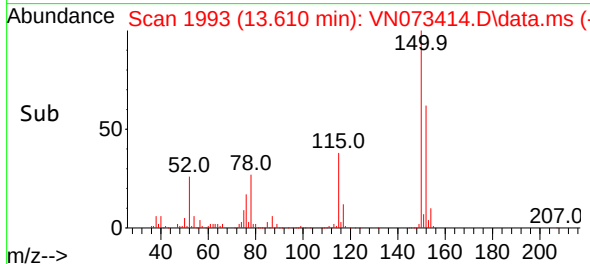
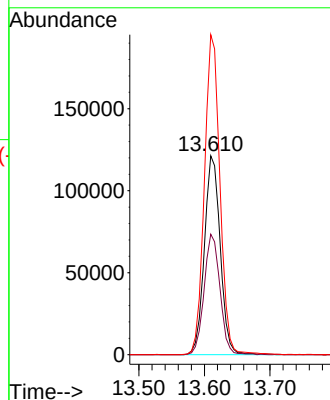
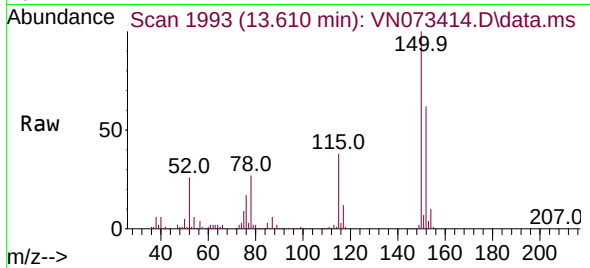




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073414.D
 Acq: 11 Jul 2022 13:04

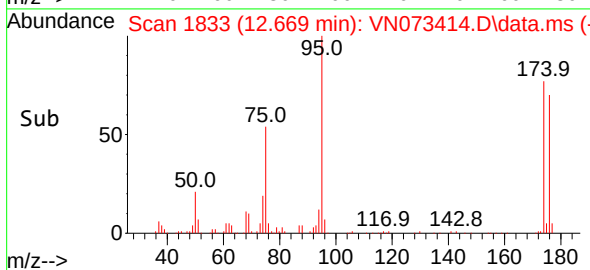
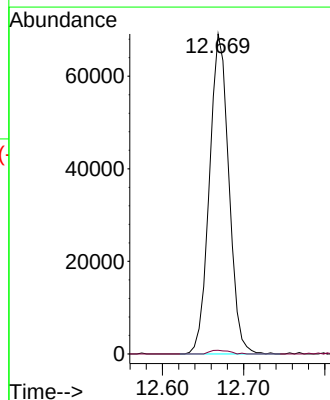
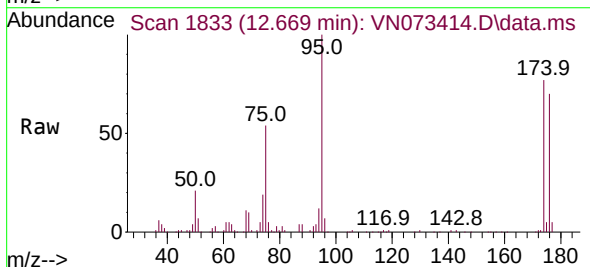
Instrument :
 MSVOA_N
 ClientSampleId :
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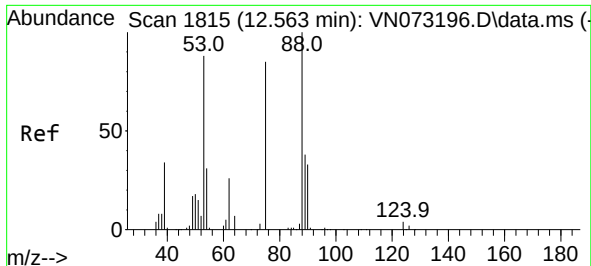
Tgt Ion:152 Resp: 204407
 Ion Ratio Lower Upper
 152 100
 115 60.5 28.9 86.7
 150 157.9 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.500 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073414.D
 Acq: 11 Jul 2022 13:04

Tgt Ion: 75 Resp: 114916
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

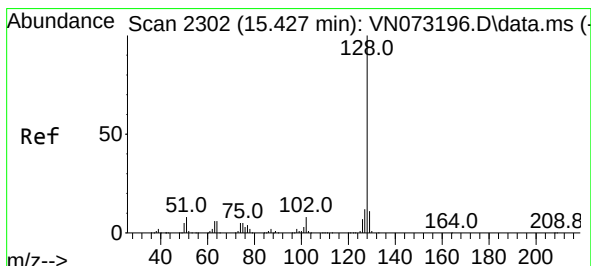
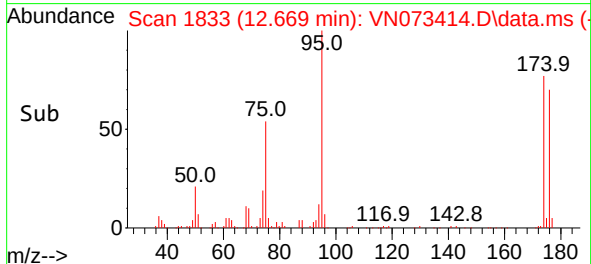
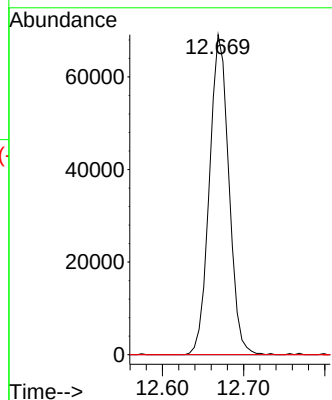
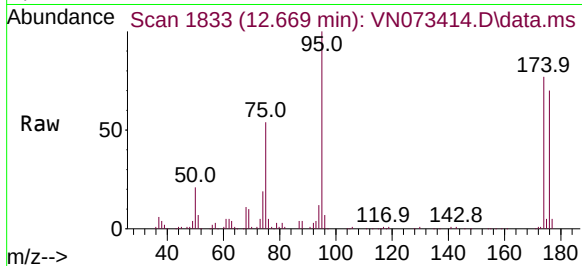




#81
trans-1,4-Dichloro-2-butene
Concen: 58.964 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion: 75 Resp: 114916
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.269 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN073414.D
Acq: 11 Jul 2022 13:04

Tgt Ion: 128 Resp: 4243
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 9.6 8.6 13.0

