

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071922\
 Data File : VN073516.D
 Acq On : 19 Jul 2022 15:15
 Operator : JC\MD
 Sample : N3765-01 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SPC-91BN-84

Quant Time: Jul 20 06:25:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

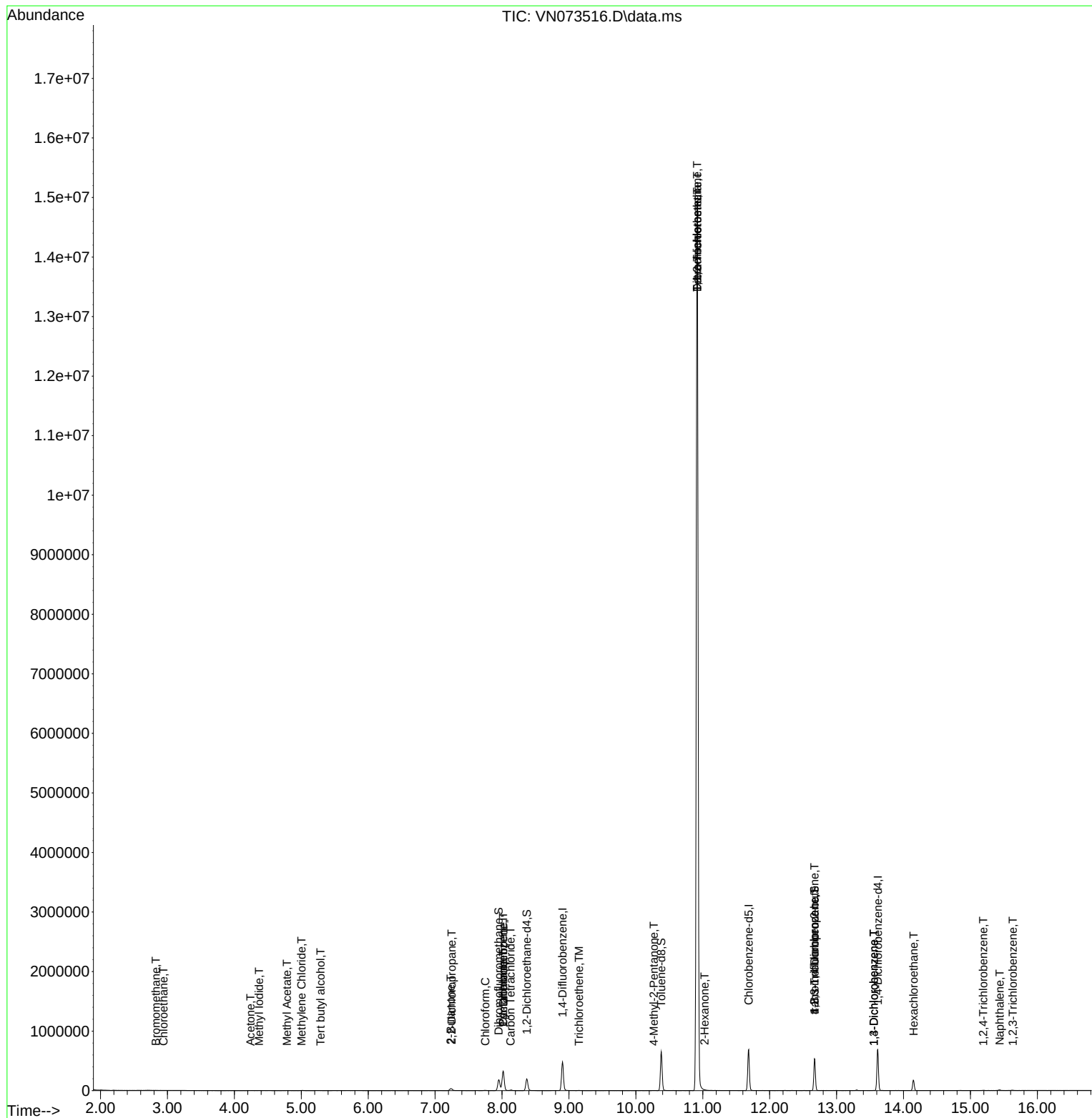
Internal Standards						
1) Pentafluorobenzene	8.016	168	243605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	416242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	388575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	182570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	160319	45.588	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.180%		
35) Dibromofluoromethane	7.951	113	135583	48.959	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.920%		
50) Toluene-d8	10.381	98	444114	45.153	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.300%		
62) 4-Bromofluorobenzene	12.669	95	182484	48.279	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.560%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.828	94	352	0.254	ug/l #	63
6) Chloroethane	2.940	64	505	0.292	ug/l #	42
10) Methyl Iodide	4.369	142	615	3.873	ug/l #	66
11) Tert butyl alcohol	5.287	59	553	0.649	ug/l #	72
16) Acetone	4.240	43	1959	0.992	ug/l #	72
18) Methyl Acetate	4.787	43	1384	0.250	ug/l #	70
20) Methylene Chloride	5.004	84	2434	0.702	ug/l #	91
25) 2-Butanone	7.234	43	1663	0.529	ug/l	93
26) 2,2-Dichloropropane	7.245	77	2371	0.439	ug/l #	53
30) Chloroform	7.751	83	4861	0.827	ug/l	98
31) Cyclohexane	8.016	56	6403	1.112	ug/l #	38
36) 1,1-Dichloropropene	8.016	75	21052	4.940	ug/l #	49
38) Carbon Tetrachloride	8.128	117	7366	1.672	ug/l	86
44) Trichloroethene	9.151	130	1218	0.364	ug/l	50
51) 4-Methyl-2-Pentanone	10.269	43	1722	0.293	ug/l	91
55) 1,1,2-Trichloroethane	10.916	97	33238	9.934	ug/l #	5
59) 2-Hexanone	11.028	43	3578	0.800	ug/l	82
60) Dibromochloromethane	10.916	129	3210254	1006.369	ug/l #	11
64) Tetrachloroethene	10.916	164	3270093	1030.600	ug/l	91
76) 1,2,3-Trichloropropane	12.669	75	98011	20.531	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	98011	56.305	ug/l #	10
87) 1,3-Dichlorobenzene	13.557	146	1381	0.210	ug/l	81
88) 1,4-Dichlorobenzene	13.557	146	1381	0.210	ug/l	83
90) Hexachloroethane	14.151	117	34176	14.675	ug/l	85
93) 1,2,4-Trichlorobenzene	15.192	180	1868	0.536	ug/l #	82
95) Naphthalene	15.439	128	10916	0.776	ug/l	97
96) 1,2,3-Trichlorobenzene	15.633	180	2583	0.718	ug/l	97

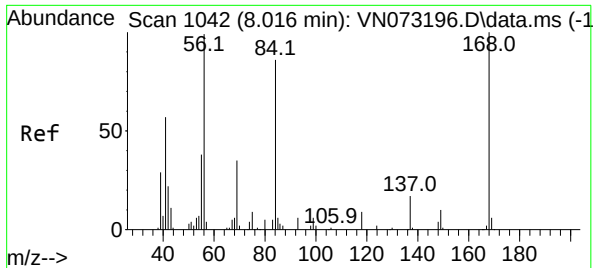
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

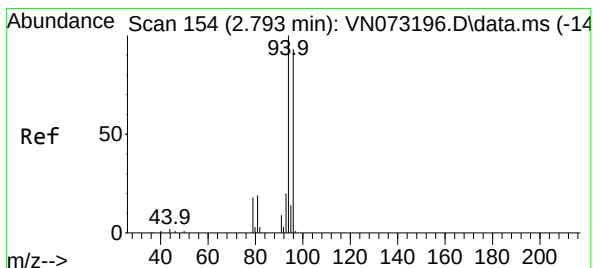
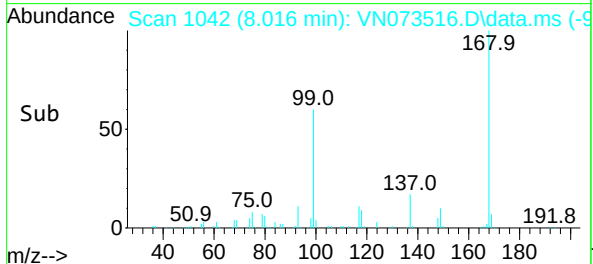
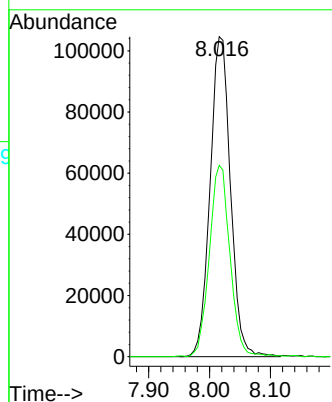
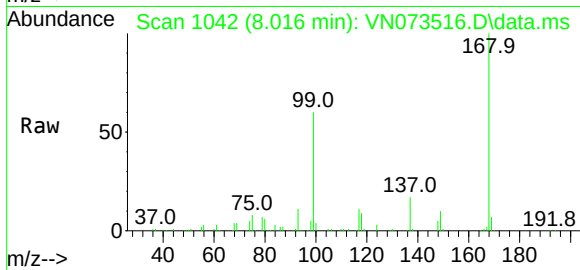




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

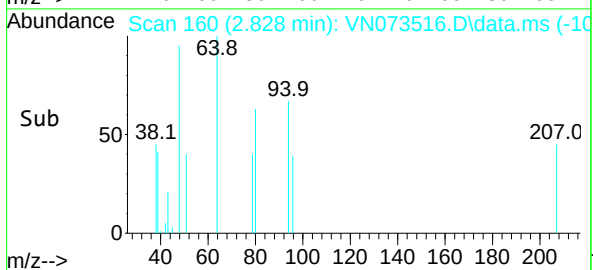
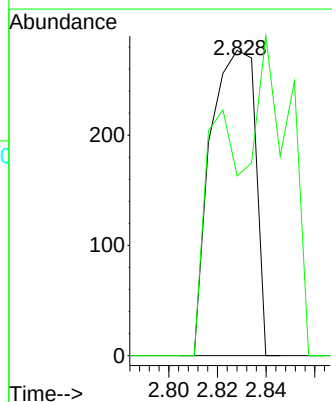
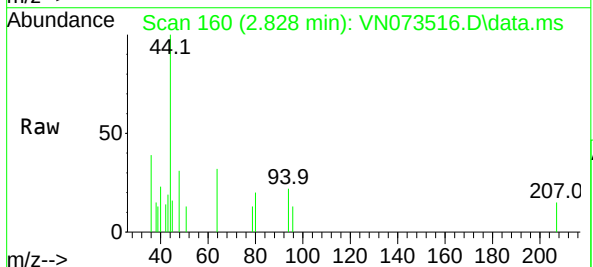
Instrument :
MSVOA_N
ClientSampleId :
SPC-91BN-84

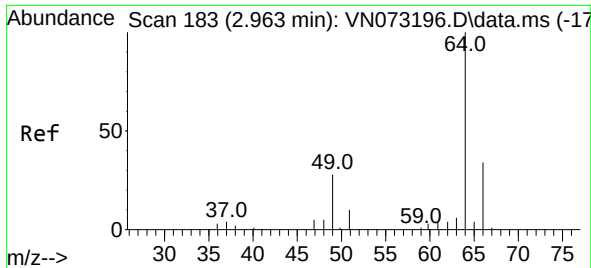
Tgt Ion:168 Resp: 243605
Ion Ratio Lower Upper
168 100
99 59.6 42.3 63.5



#5
Bromomethane
Concen: 0.254 ug/l
RT: 2.828 min Scan# 160
Delta R.T. 0.035 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

Tgt Ion: 94 Resp: 352
Ion Ratio Lower Upper
94 100
96 58.8 76.0 114.0#

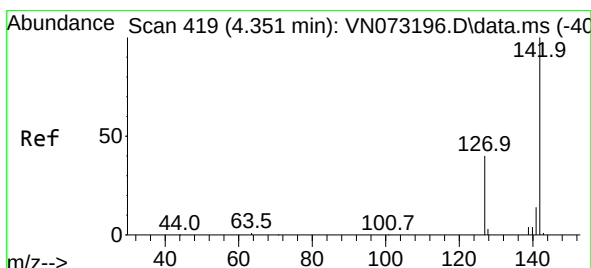
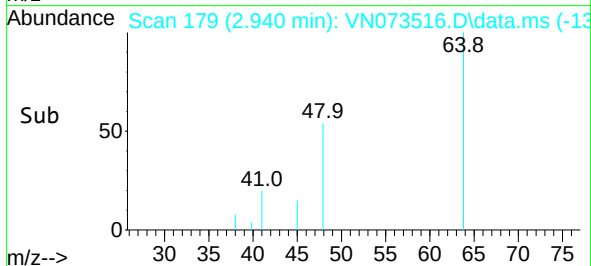
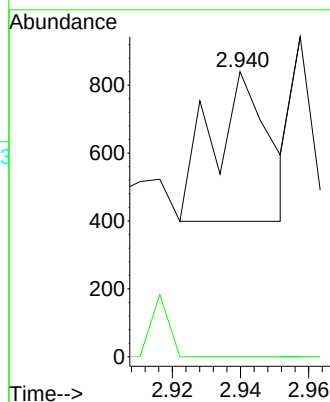
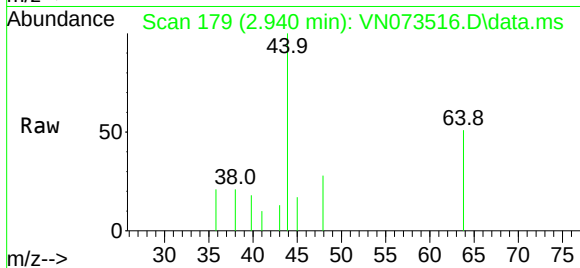




#6
Chloroethane
Concen: 0.292 ug/l
RT: 2.940 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

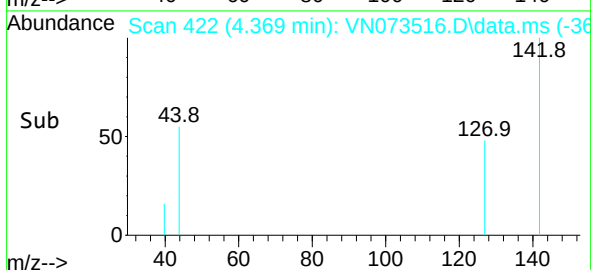
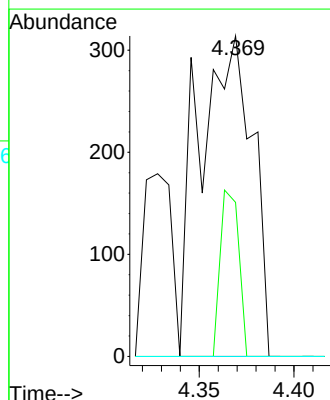
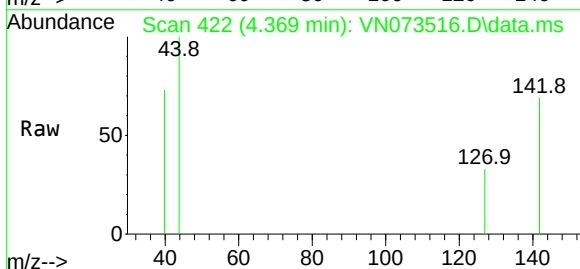
Instrument :
MSVOA_N
ClientSampleId :
SPC-91BN-84

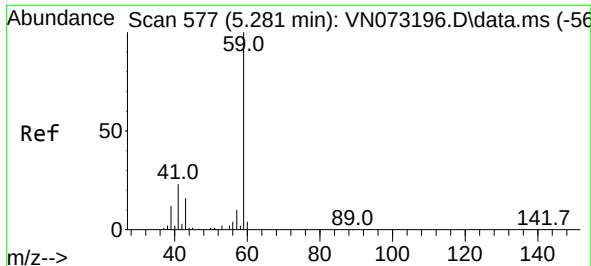
Tgt Ion: 64 Resp: 505
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#10
Methyl Iodide
Concen: 3.873 ug/l
RT: 4.369 min Scan# 422
Delta R.T. 0.018 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

Tgt Ion: 142 Resp: 615
Ion Ratio Lower Upper
142 100
127 18.0 31.3 46.9#
141 0.0 11.2 16.8#





#11

Tert butyl alcohol

Concen: 0.649 ug/l

RT: 5.287 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN073516.D

Acq: 19 Jul 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

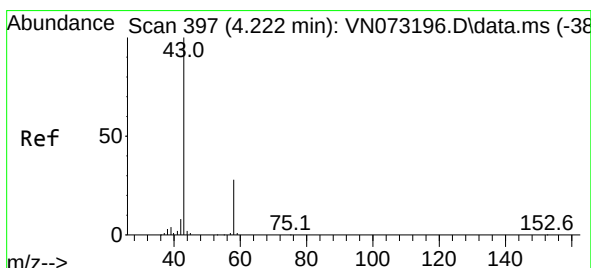
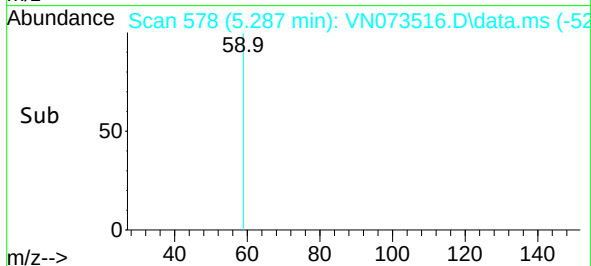
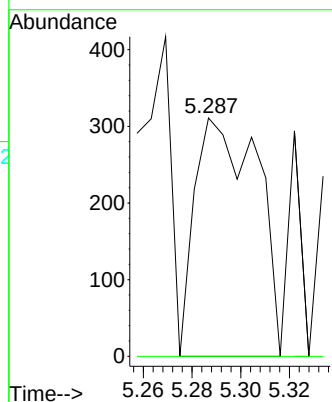
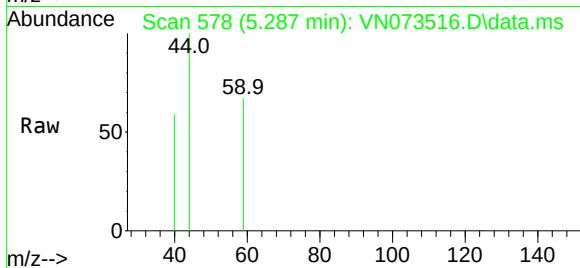
SPC-91BN-84

Tgt Ion: 59 Resp: 553

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 0.992 ug/l

RT: 4.240 min Scan# 400

Delta R.T. 0.018 min

Lab File: VN073516.D

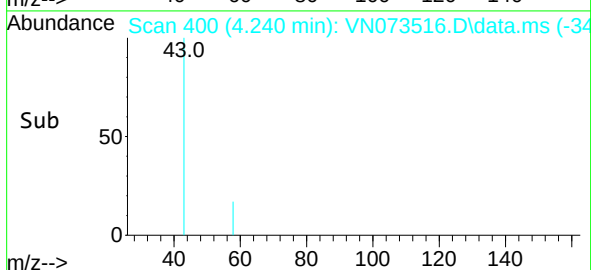
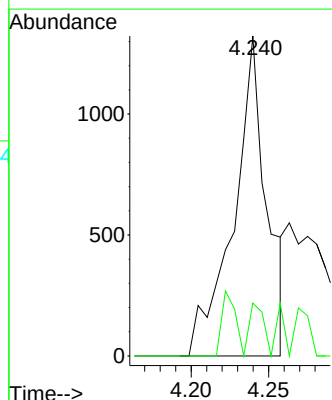
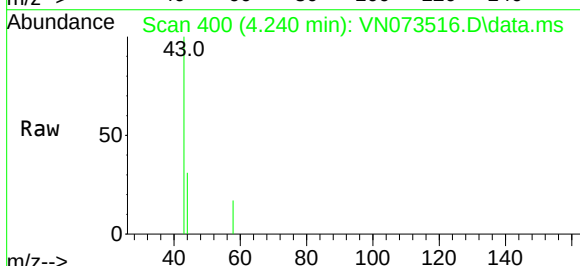
Acq: 19 Jul 2022 15:15

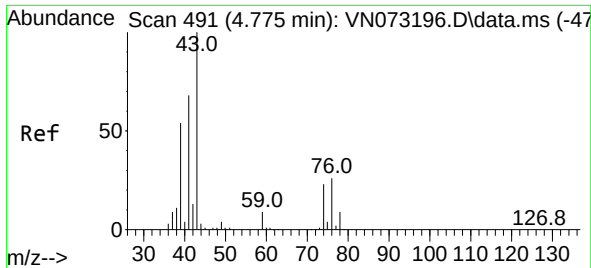
Tgt Ion: 43 Resp: 1959

Ion Ratio Lower Upper

43 100

58 16.6 26.0 39.0#

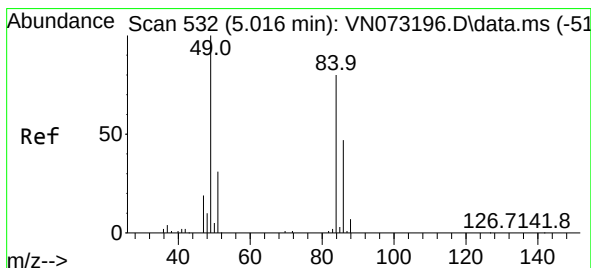
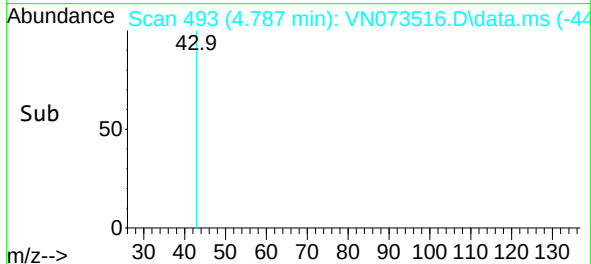
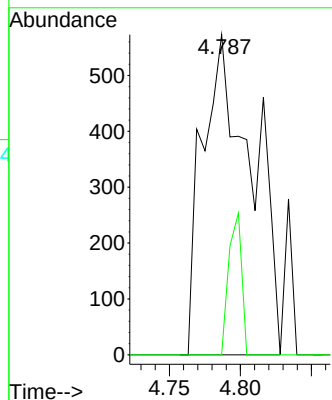
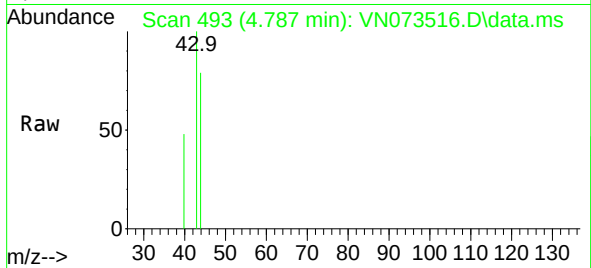




#18
Methyl Acetate
Concen: 0.250 ug/l
RT: 4.787 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

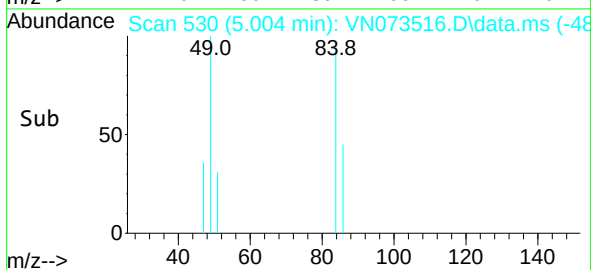
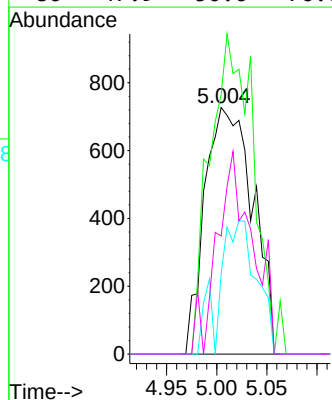
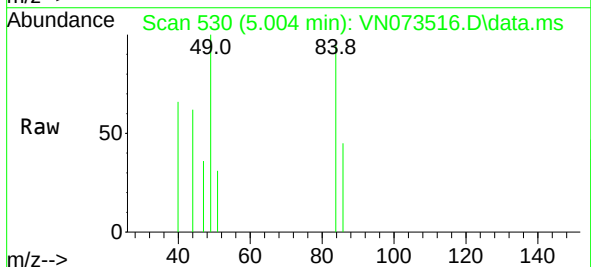
Instrument :
MSVOA_N
ClientSampleId :
SPC-91BN-84

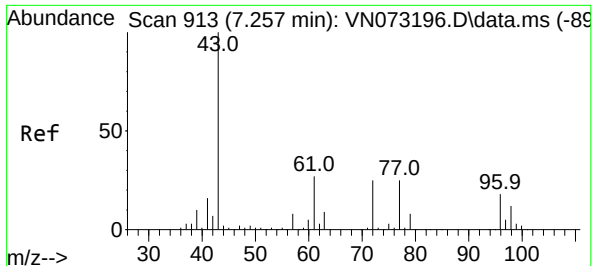
Tgt Ion: 43 Resp: 1384
Ion Ratio Lower Upper
43 100
74 11.4 21.6 32.4#



#20
Methylene Chloride
Concen: 0.702 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.012 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

Tgt Ion: 84 Resp: 2434
Ion Ratio Lower Upper
84 100
49 105.2 88.3 132.5
51 32.6 28.2 42.2
86 47.9 50.6 76.0#





#25

2-Butanone

Concen: 0.529 ug/l

RT: 7.234 min Scan# 913

Delta R.T. -0.023 min

Lab File: VN073516.D

Acq: 19 Jul 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

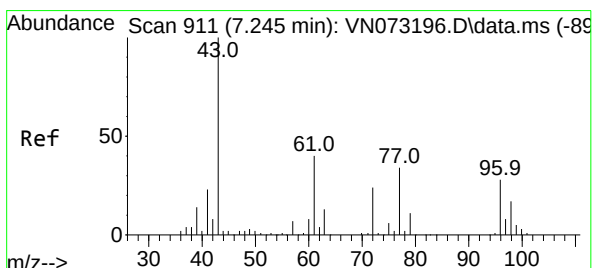
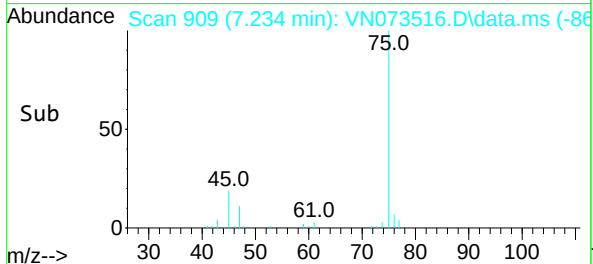
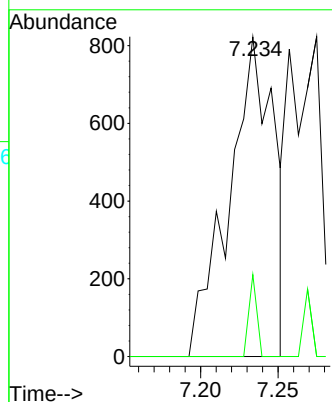
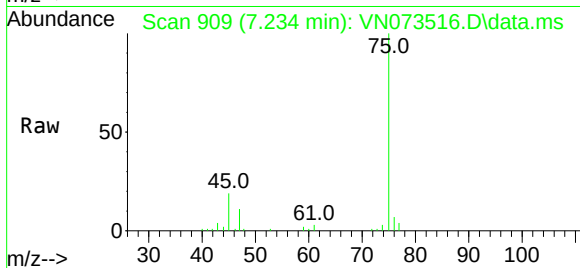
SPC-91BN-84

Tgt Ion: 43 Resp: 1663

Ion Ratio Lower Upper

43 100

72 25.7 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.439 ug/l

RT: 7.245 min Scan# 911

Delta R.T. 0.000 min

Lab File: VN073516.D

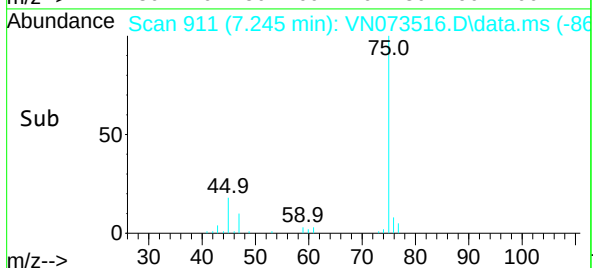
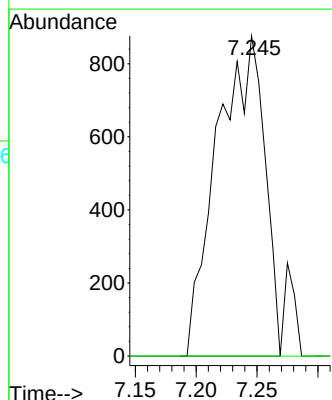
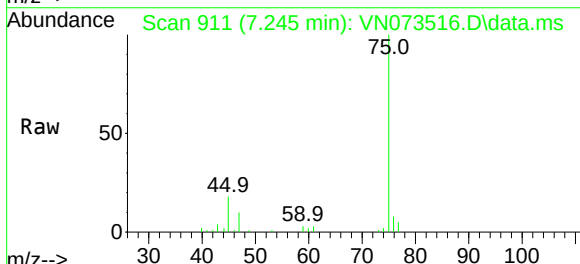
Acq: 19 Jul 2022 15:15

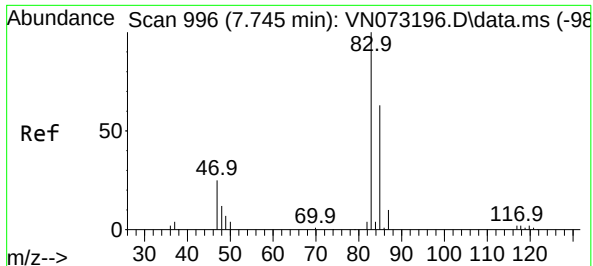
Tgt Ion: 77 Resp: 2371

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#30

Chloroform

Concen: 0.827 ug/l

RT: 7.751 min Scan# 996

Delta R.T. 0.006 min

Lab File: VN073516.D

Acq: 19 Jul 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

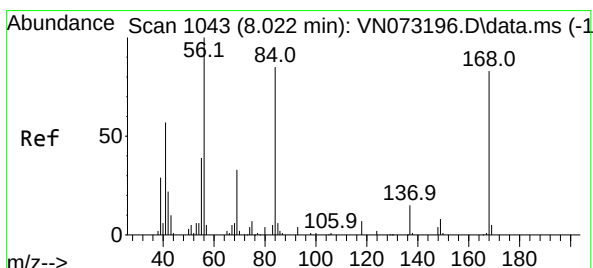
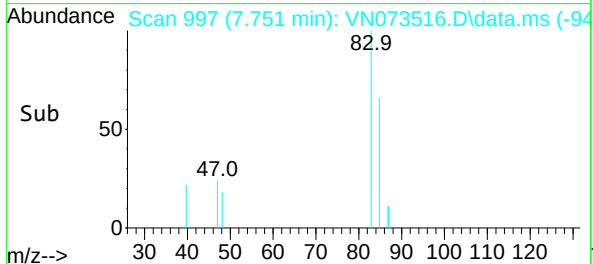
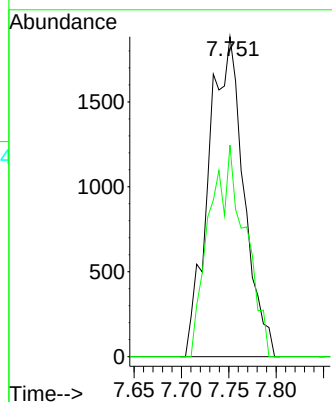
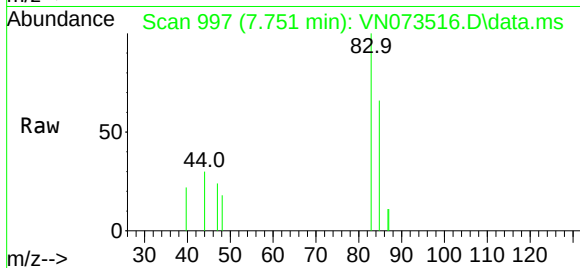
SPC-91BN-84

Tgt Ion: 83 Resp: 4861

Ion Ratio Lower Upper

83 100

85 66.1 51.8 77.8



#31

Cyclohexane

Concen: 1.112 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073516.D

Acq: 19 Jul 2022 15:15

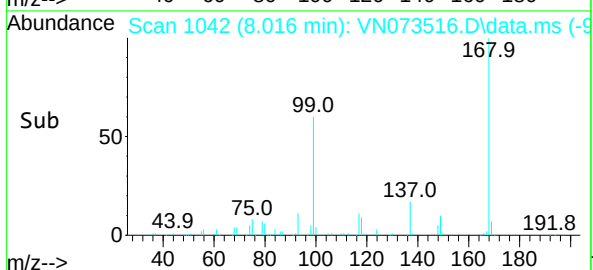
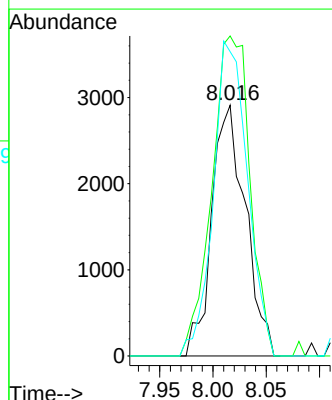
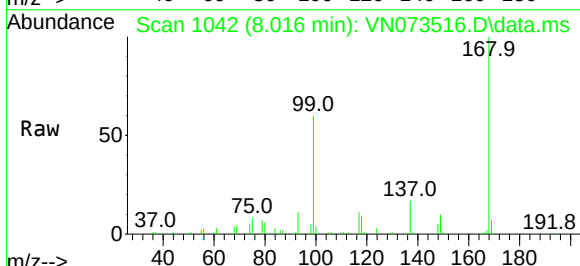
Tgt Ion: 56 Resp: 6403

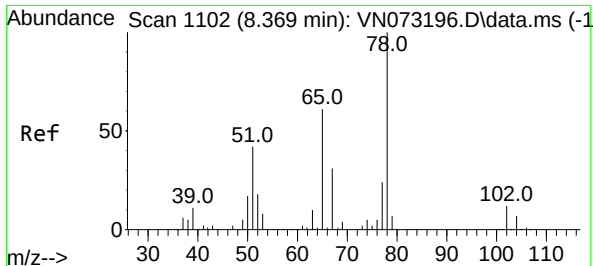
Ion Ratio Lower Upper

56 100

69 127.6 27.8 41.8#

84 121.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 45.588 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073516.D

Acq: 19 Jul 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

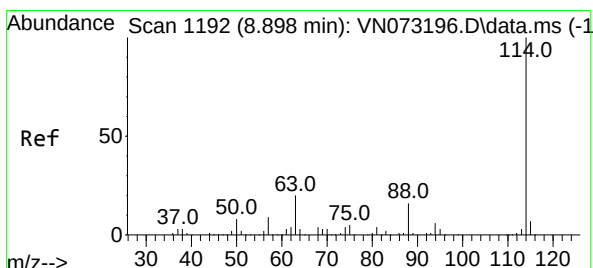
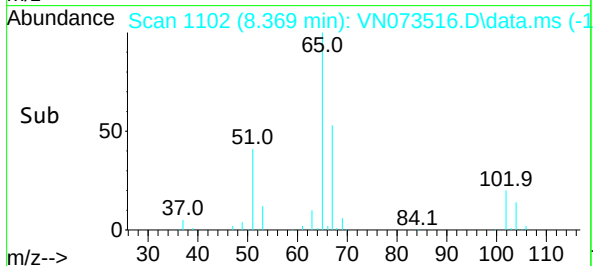
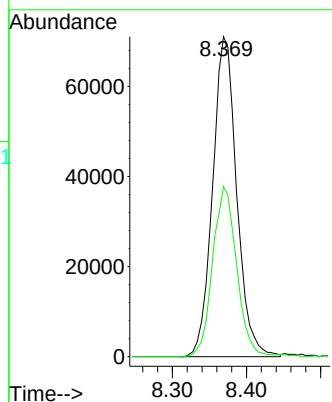
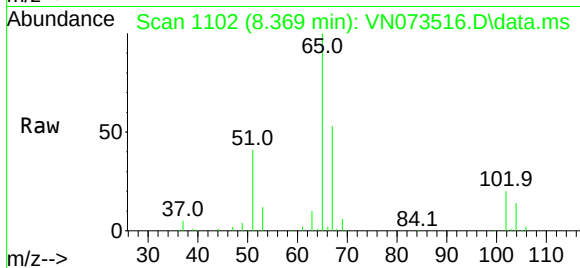
SPC-91BN-84

Tgt Ion: 65 Resp: 160319

Ion Ratio Lower Upper

65 100

67 53.3 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: VN073516.D

Acq: 19 Jul 2022 15:15

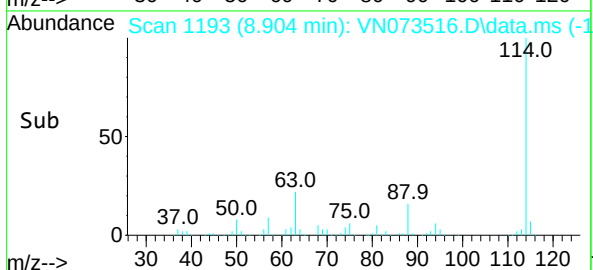
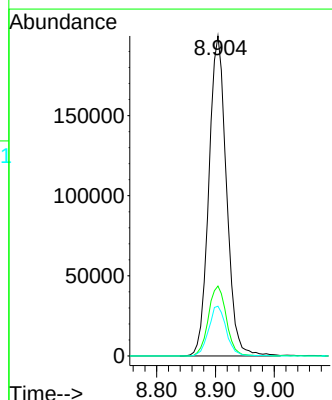
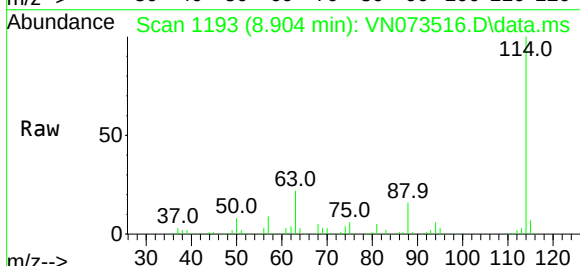
Tgt Ion: 114 Resp: 416242

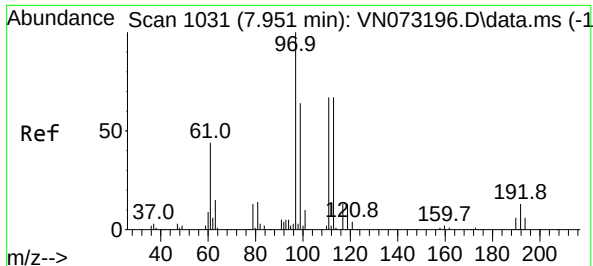
Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.0

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.959 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073516.D

Acq: 19 Jul 2022 15:15

Instrument :

MSVOA_N

ClientSampleId :

SPC-91BN-84

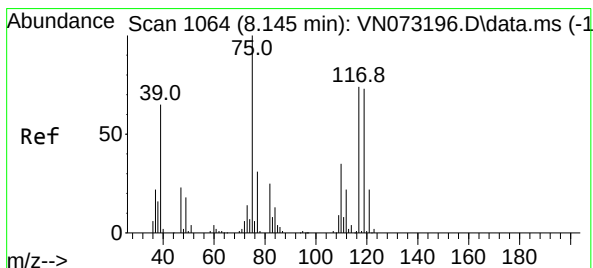
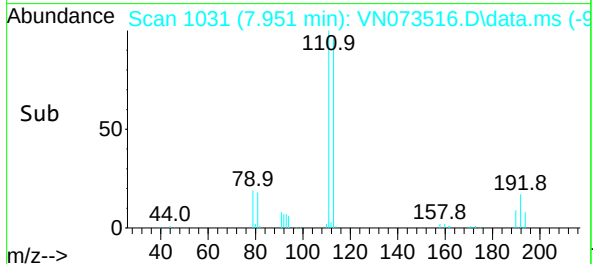
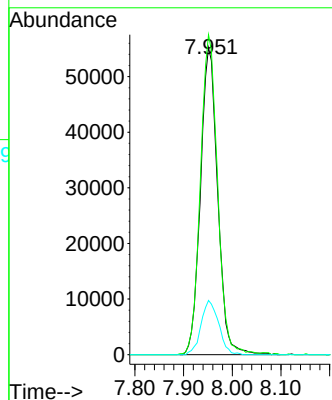
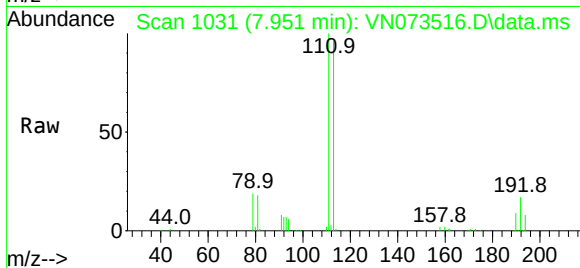
Tgt Ion:113 Resp: 135583

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 18.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.940 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073516.D

Acq: 19 Jul 2022 15:15

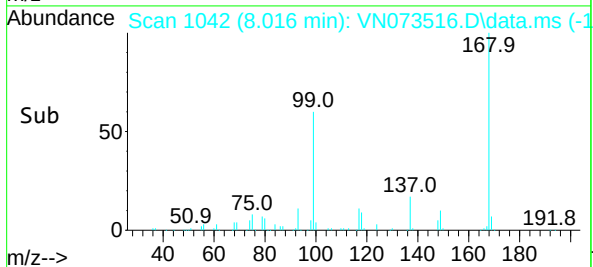
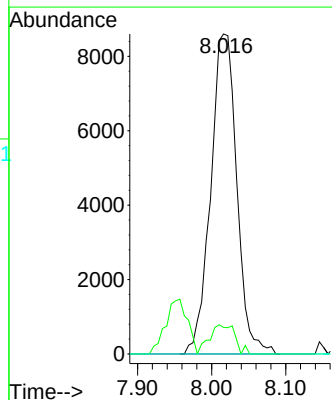
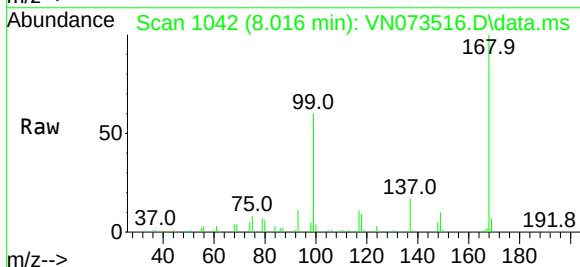
Tgt Ion: 75 Resp: 21052

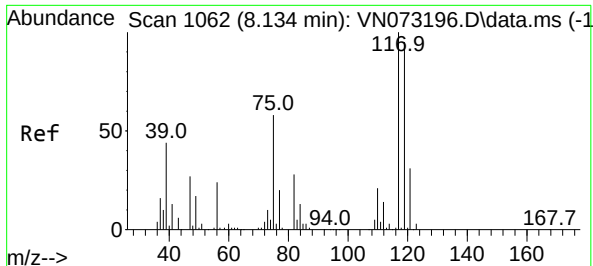
Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 25.1 37.7#

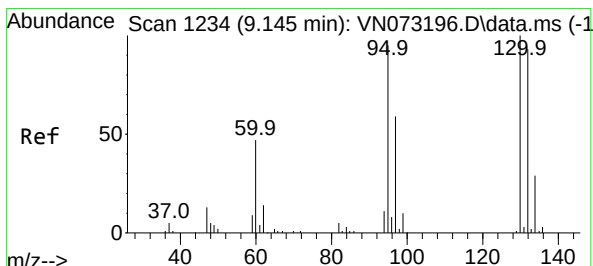
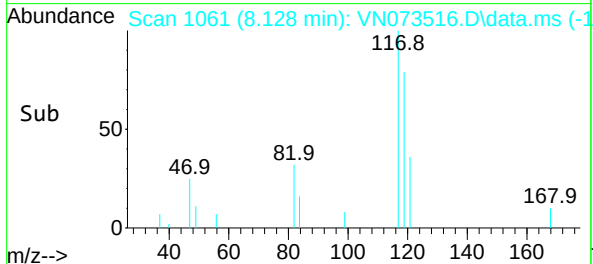
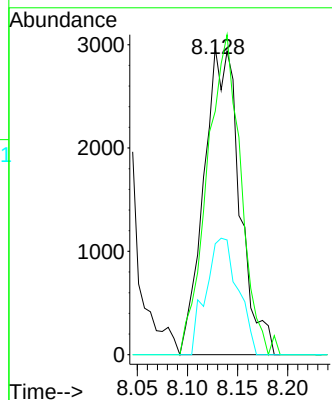
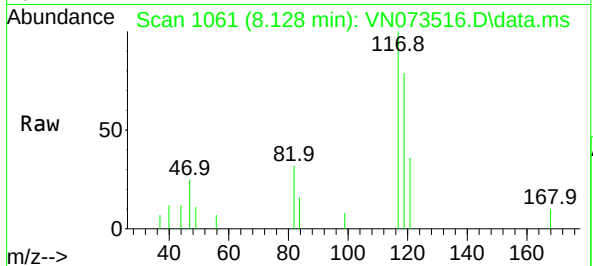




#38
Carbon Tetrachloride
Concen: 1.672 ug/l
RT: 8.128 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

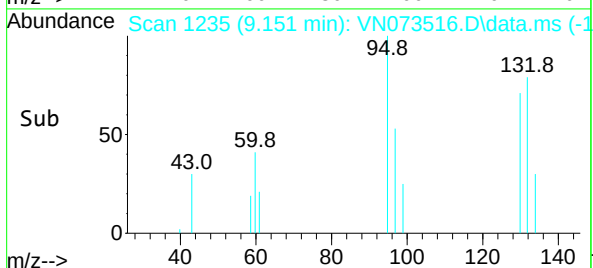
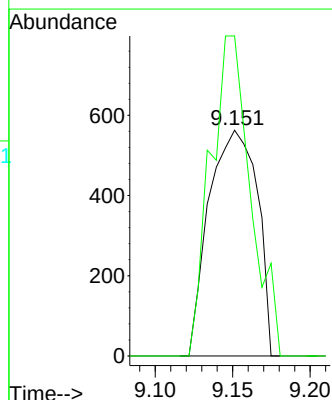
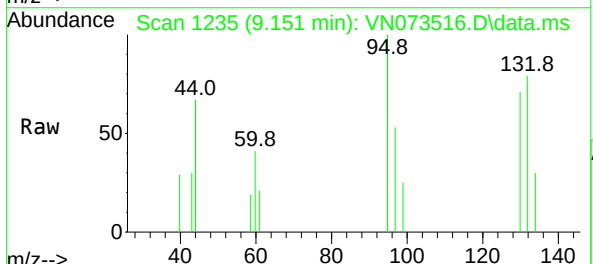
Instrument :
MSVOA_N
ClientSampleId :
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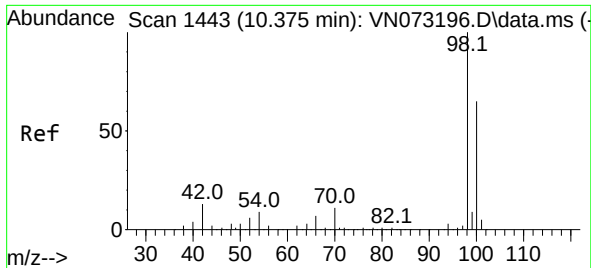
Tgt Ion:117 Resp: 7366
Ion Ratio Lower Upper
117 100
119 79.3 75.8 113.8
121 36.1 24.6 37.0



#44
Trichloroethene
Concen: 0.364 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.006 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

Tgt Ion:130 Resp: 1218
Ion Ratio Lower Upper
130 100
95 141.7 0.0 186.8

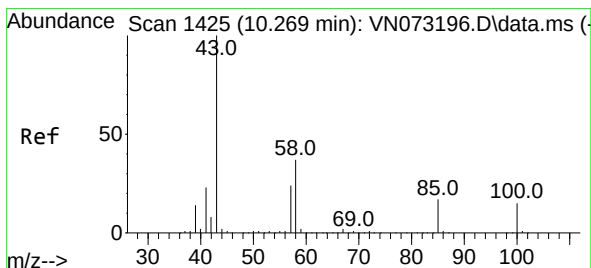
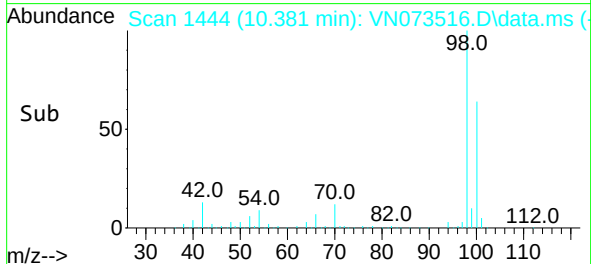
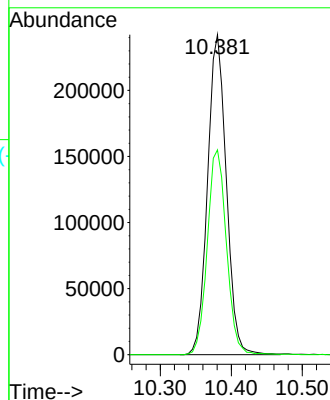
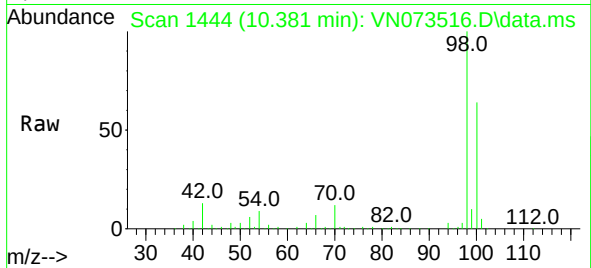




#50
Toluene-d8
Concen: 45.153 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

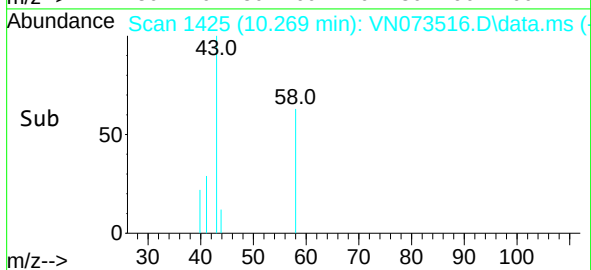
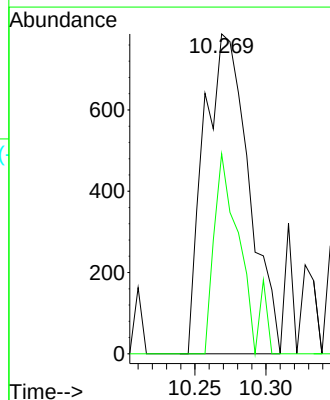
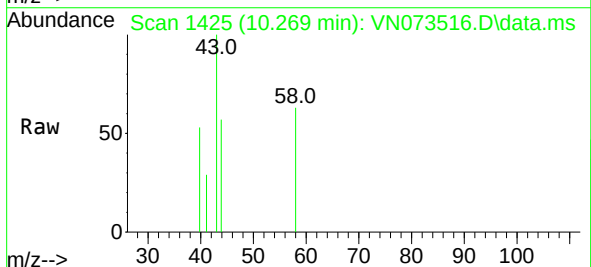
Instrument :
MSVOA_N
ClientSampleId :
SPC-91BN-84

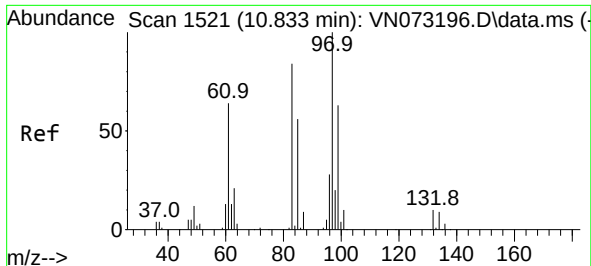
Tgt Ion: 98 Resp: 444114
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.293 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

Tgt Ion: 43 Resp: 1722
Ion Ratio Lower Upper
43 100
58 36.8 34.1 51.1

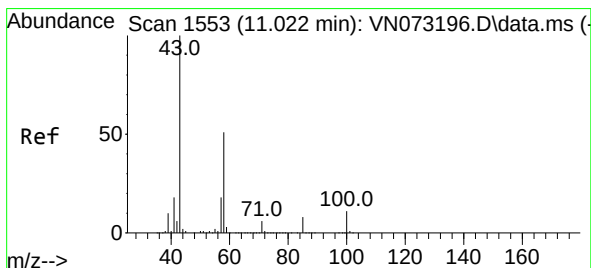
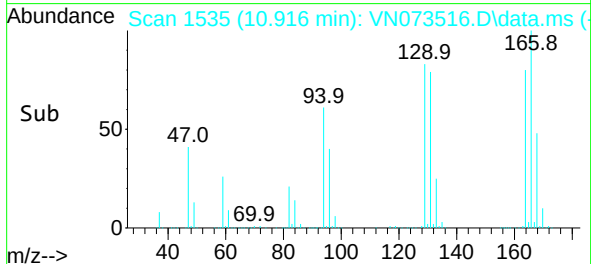
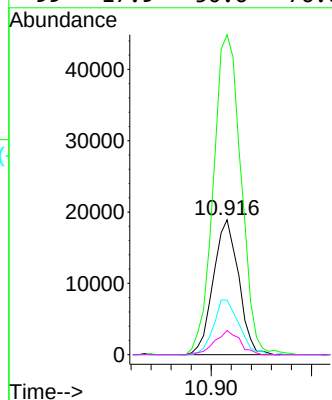
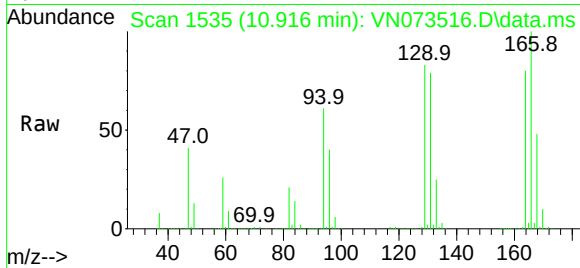




#55
1,1,2-Trichloroethane
Concen: 9.934 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.083 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

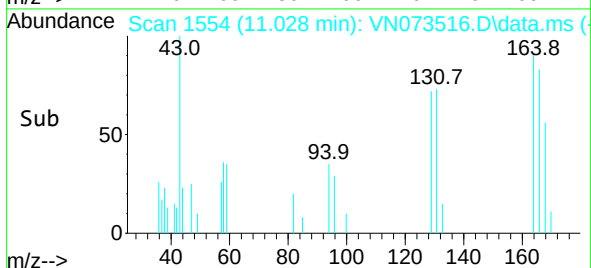
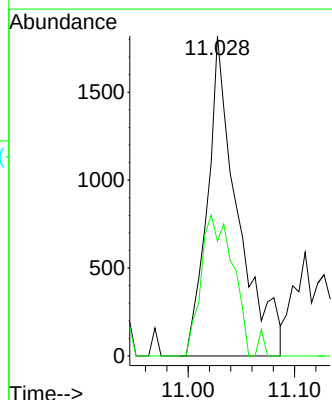
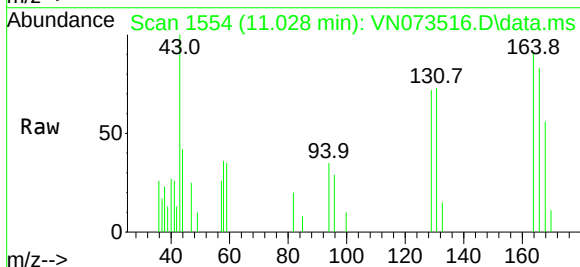
Instrument :
MSVOA_N
ClientSampleId :
SPC-91BN-84

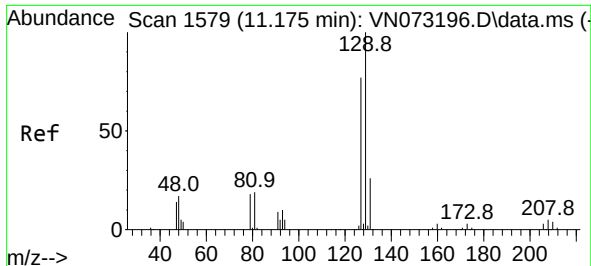
Tgt Ion: 97	Resp: 33238
Ion Ratio	Lower Upper
97 100	
83 237.3	66.2 99.4#
85 40.4	43.9 65.9#
99 17.9	50.6 76.0#



#59
2-Hexanone
Concen: 0.800 ug/l
RT: 11.028 min Scan# 1554
Delta R.T. 0.006 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

Tgt Ion: 43	Resp: 3578		
Ion Ratio	Lower	Upper	
43 100			
58 46.2	29.7	89.1	

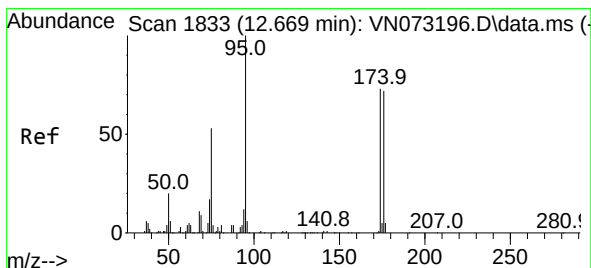
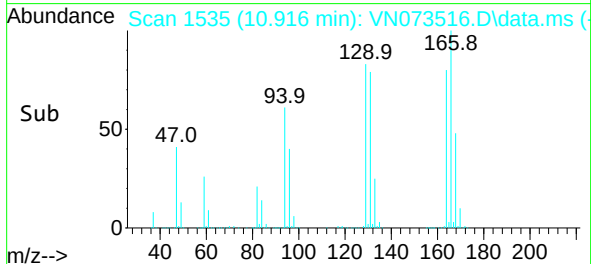
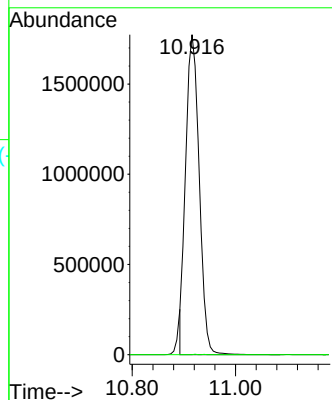
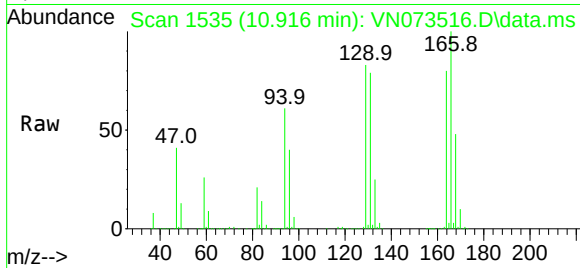




#60
Dibromochloromethane
Concen: 1006.369 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.259 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

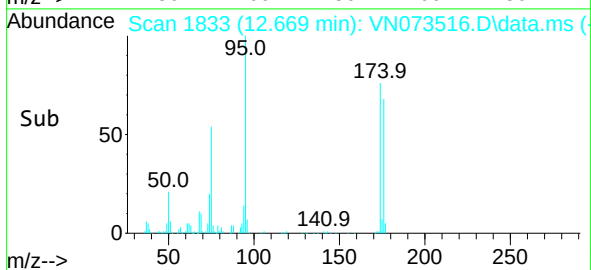
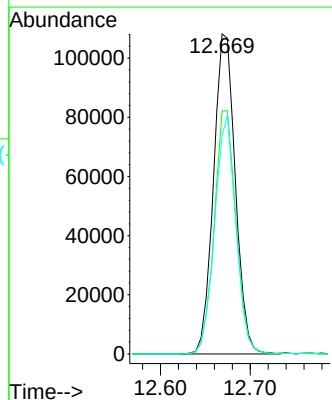
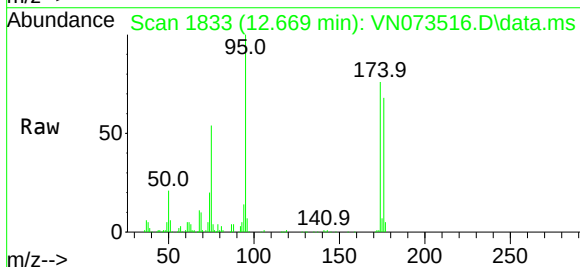
Instrument :
MSVOA_N
ClientSampleId :
SPC-91BN-84

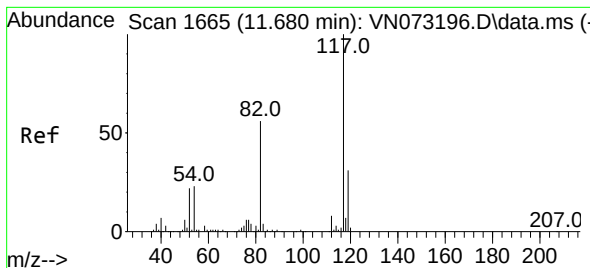
Tgt Ion:129 Resp: 3210254
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 48.279 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

Tgt Ion: 95 Resp: 182484
Ion Ratio Lower Upper
95 100
174 76.0 0.0 167.6
176 72.7 0.0 163.4

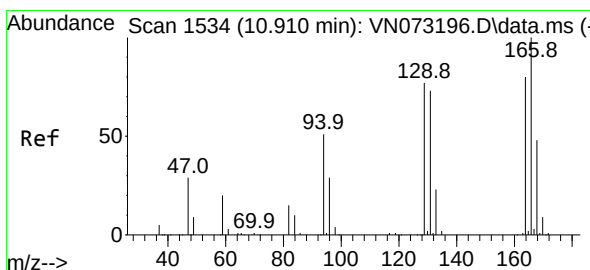
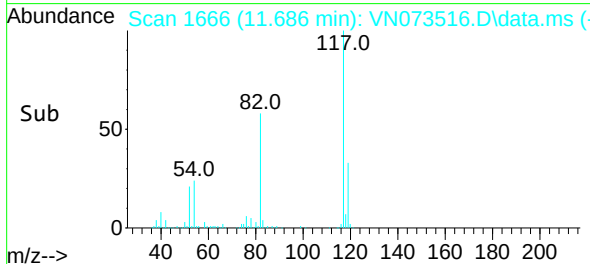
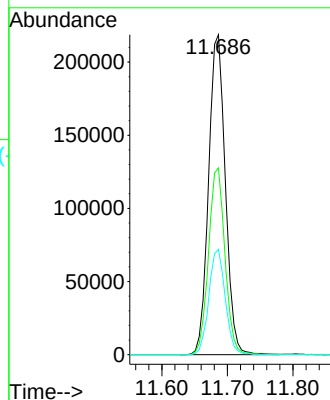
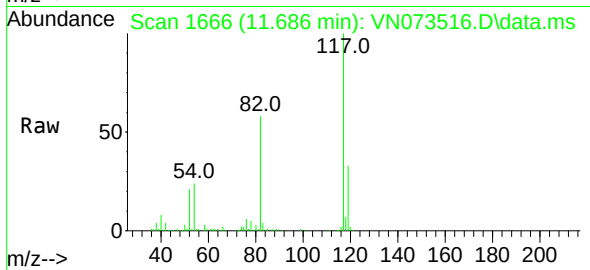




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

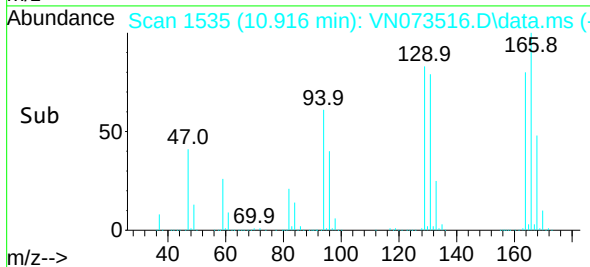
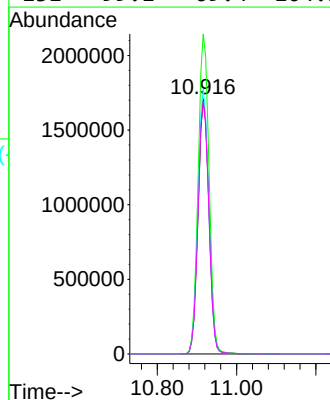
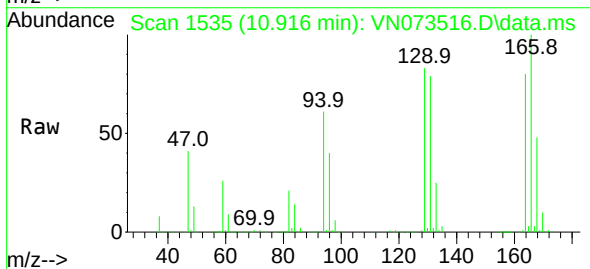
Instrument :
MSVOA_N
ClientSampleId :
SPC-91BN-84

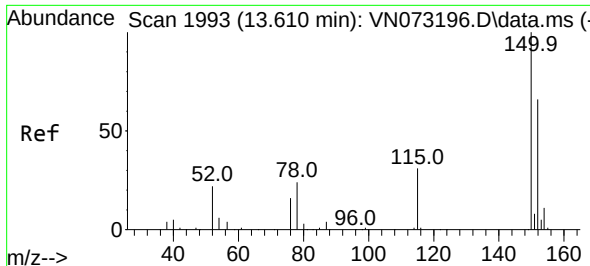
Tgt Ion:117 Resp: 388575
Ion Ratio Lower Upper
117 100
82 58.3 44.2 66.2
119 32.9 25.4 38.0



#64
Tetrachloroethene
Concen: 1030.600 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. 0.006 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

Tgt Ion:164 Resp: 3270093
Ion Ratio Lower Upper
164 100
166 125.4 104.2 156.2
129 103.7 73.9 110.9
131 99.1 69.4 104.2

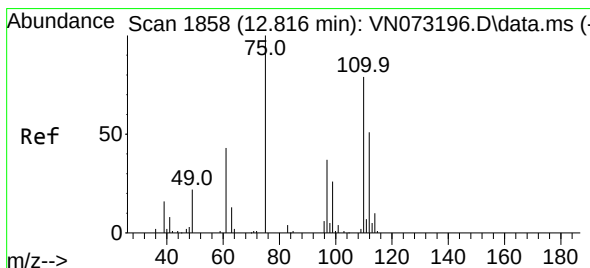
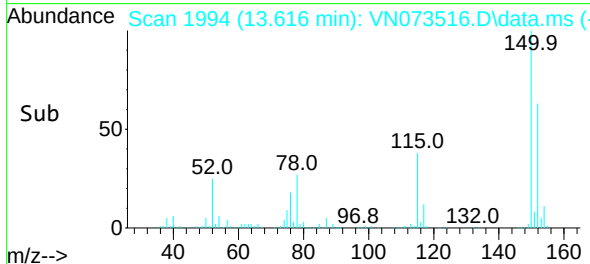
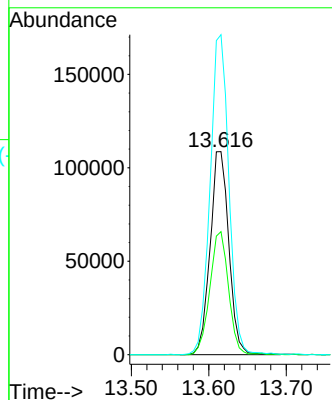
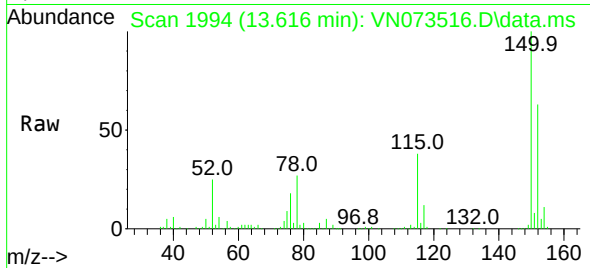




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.006 min
 Lab File: VN073516.D
 Acq: 19 Jul 2022 15:15

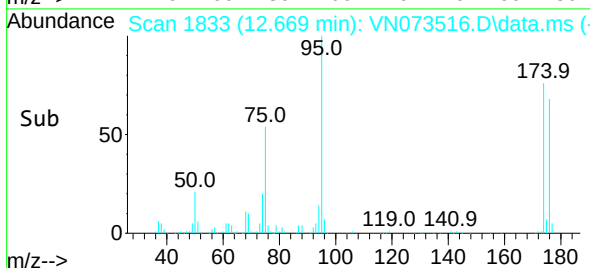
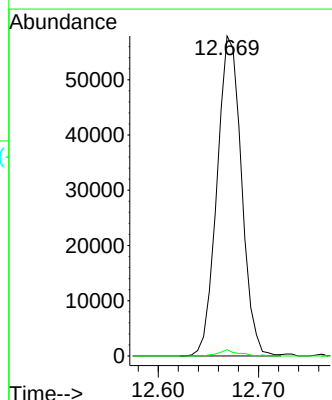
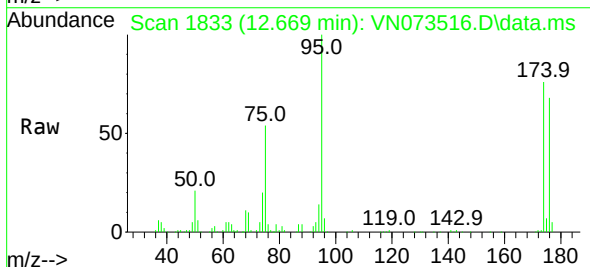
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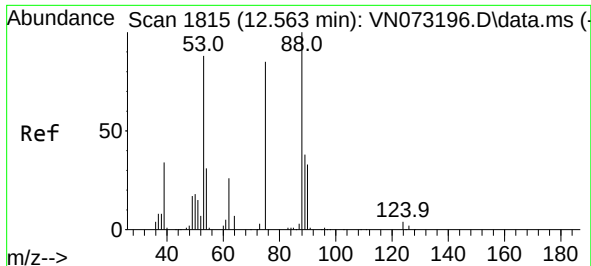
Tgt Ion:152 Resp: 182570
 Ion Ratio Lower Upper
 152 100
 115 60.2 28.9 86.7
 150 158.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 20.531 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073516.D
 Acq: 19 Jul 2022 15:15

Tgt Ion: 75 Resp: 98011
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#

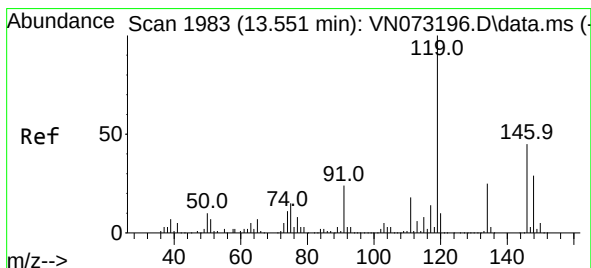
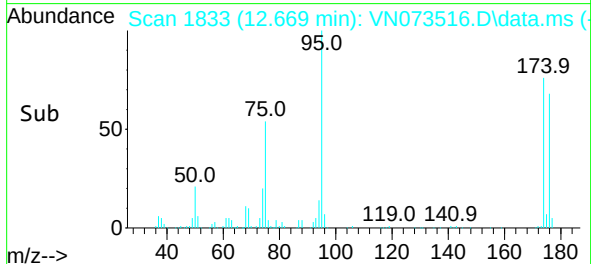
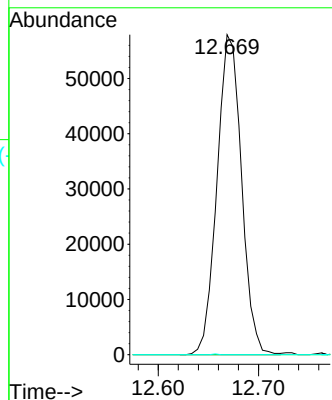
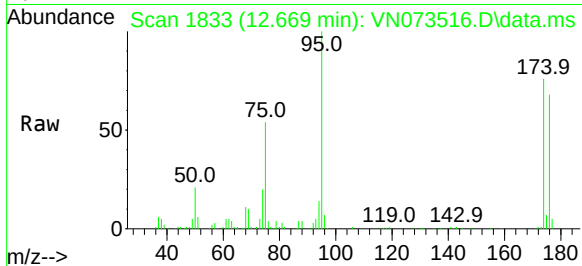




#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.305 ug/l
 RT: 12.669 min Scan# 1815
 Delta R.T. 0.106 min
 Lab File: VN073516.D
 Acq: 19 Jul 2022 15:15

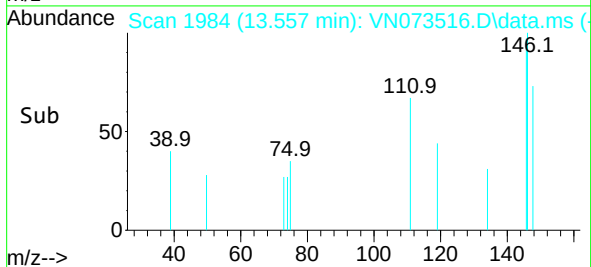
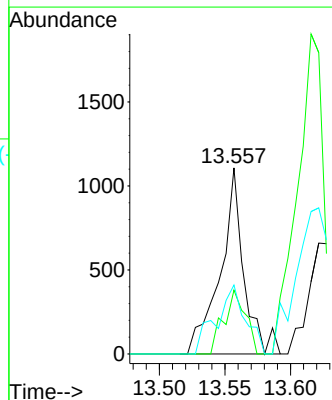
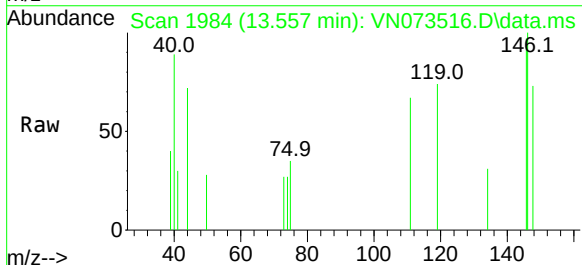
Instrument :
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 ClientSampleId :
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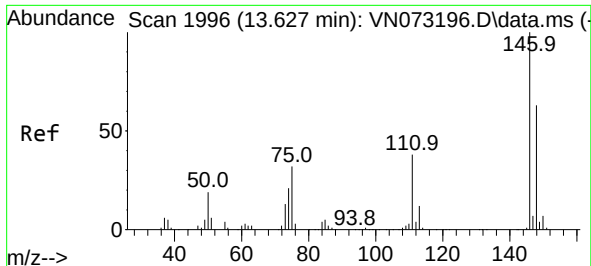
Tgt Ion: 75 Resp: 98011
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.1 37.2 55.8#



#87
 1,3-Dichlorobenzene
 Concen: 0.210 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. 0.006 min
 Lab File: VN073516.D
 Acq: 19 Jul 2022 15:15

Tgt Ion:146 Resp: 1381
 Ion Ratio Lower Upper
 146 100
 111 31.7 20.0 60.0
 148 46.5 32.0 96.0

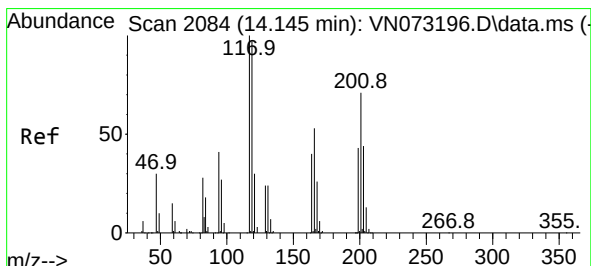
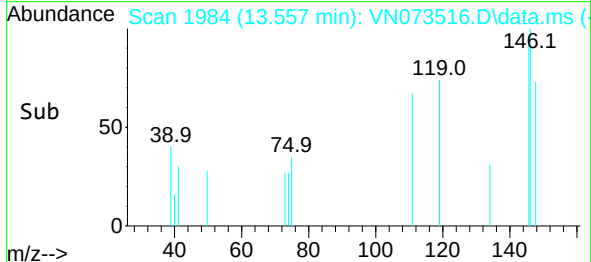
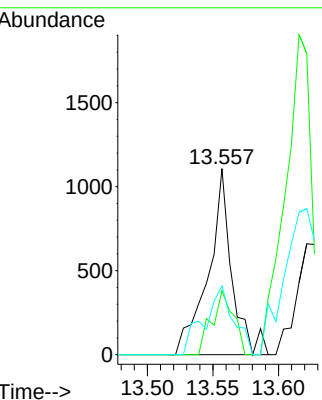
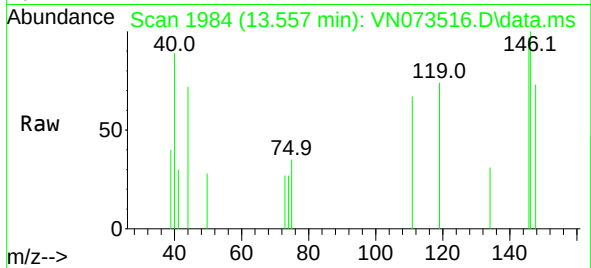




#88
 1,4-Dichlorobenzene
 Concen: 0.210 ug/l
 RT: 13.557 min Scan# 1996
 Delta R.T. -0.070 min
 Lab File: VN073516.D
 Acq: 19 Jul 2022 15:15

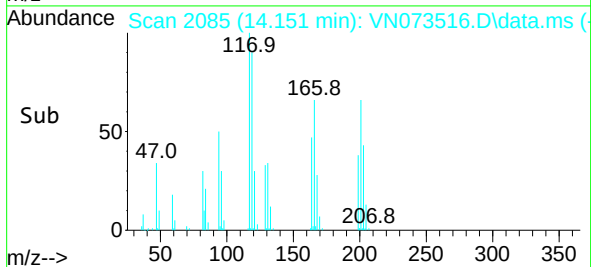
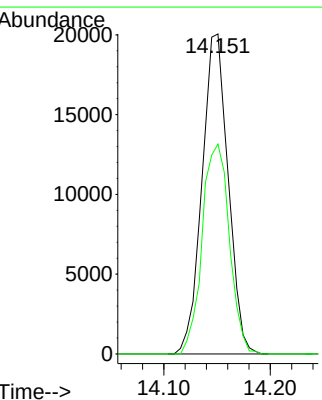
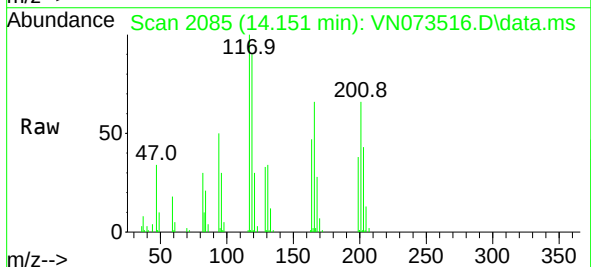
Instrument :
 MSVOA_N
 ClientSampleId :
 SPC-91BN-84

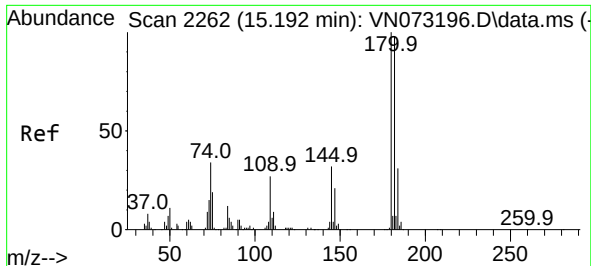
Tgt Ion:146 Resp: 1381
 Ion Ratio Lower Upper
 146 100
 111 31.7 19.1 57.1
 148 46.5 31.4 94.3



#90
 Hexachloroethane
 Concen: 14.675 ug/l
 RT: 14.151 min Scan# 2085
 Delta R.T. 0.006 min
 Lab File: VN073516.D
 Acq: 19 Jul 2022 15:15

Tgt Ion:117 Resp: 34176
 Ion Ratio Lower Upper
 117 100
 201 68.1 40.6 122.0

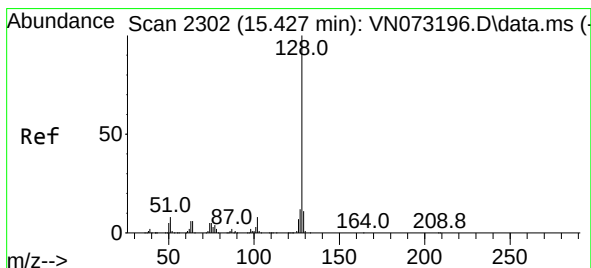
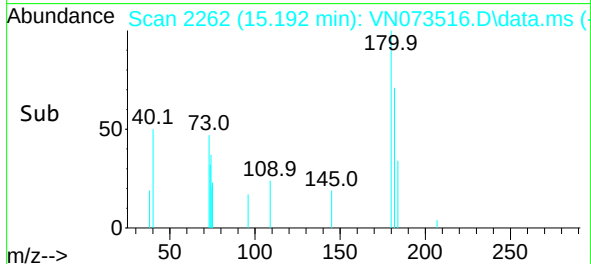
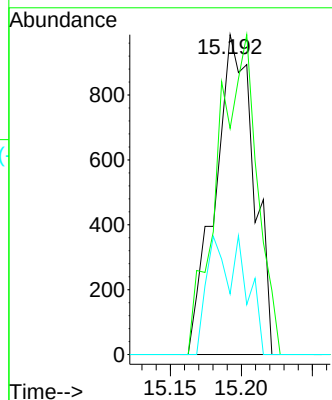
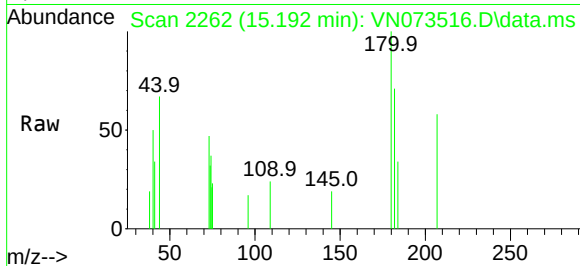




#93
1,2,4-Trichlorobenzene
Concen: 0.536 ug/l
RT: 15.192 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

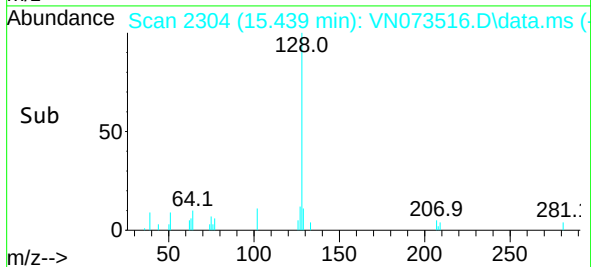
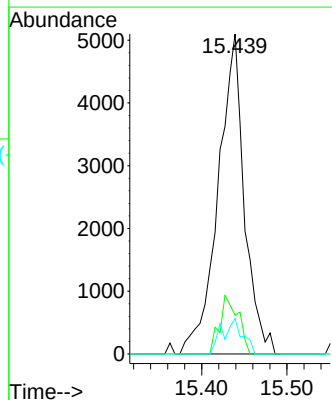
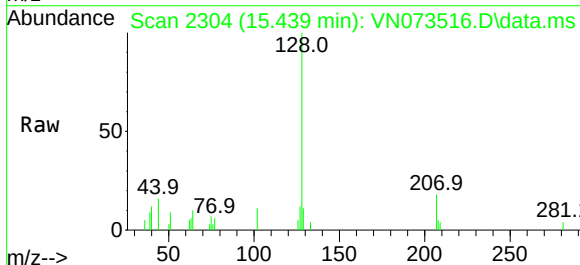
Instrument :
MSVOA_N
ClientSampleId :
SPC-91BN-84

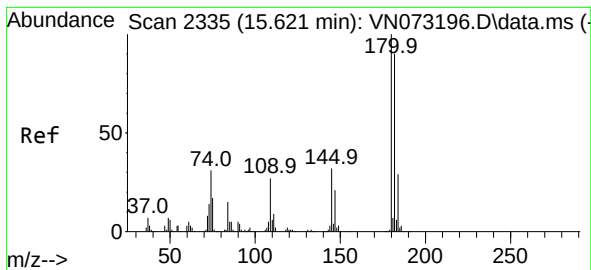
Tgt Ion:180 Resp: 1868
Ion Ratio Lower Upper
180 100
182 102.1 47.5 142.5
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 0.776 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.012 min
Lab File: VN073516.D
Acq: 19 Jul 2022 15:15

Tgt Ion:128 Resp: 10916
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 8.7 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.718 ug/l
 RT: 15.633 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN073516.D
 Acq: 19 Jul 2022 15:15

Instrument :
 MSVOA_N
 ClientSampleId :
 SPC-91BN-84

Tgt Ion:	180	Resp:	2583
Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.8	143.3
145	27.8	15.5	46.5

