

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031822\
 Data File : VN071385.D
 Acq On : 18 Mar 2022 20:20
 Operator : JC\MD
 Sample : N2015-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 19 07:12:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

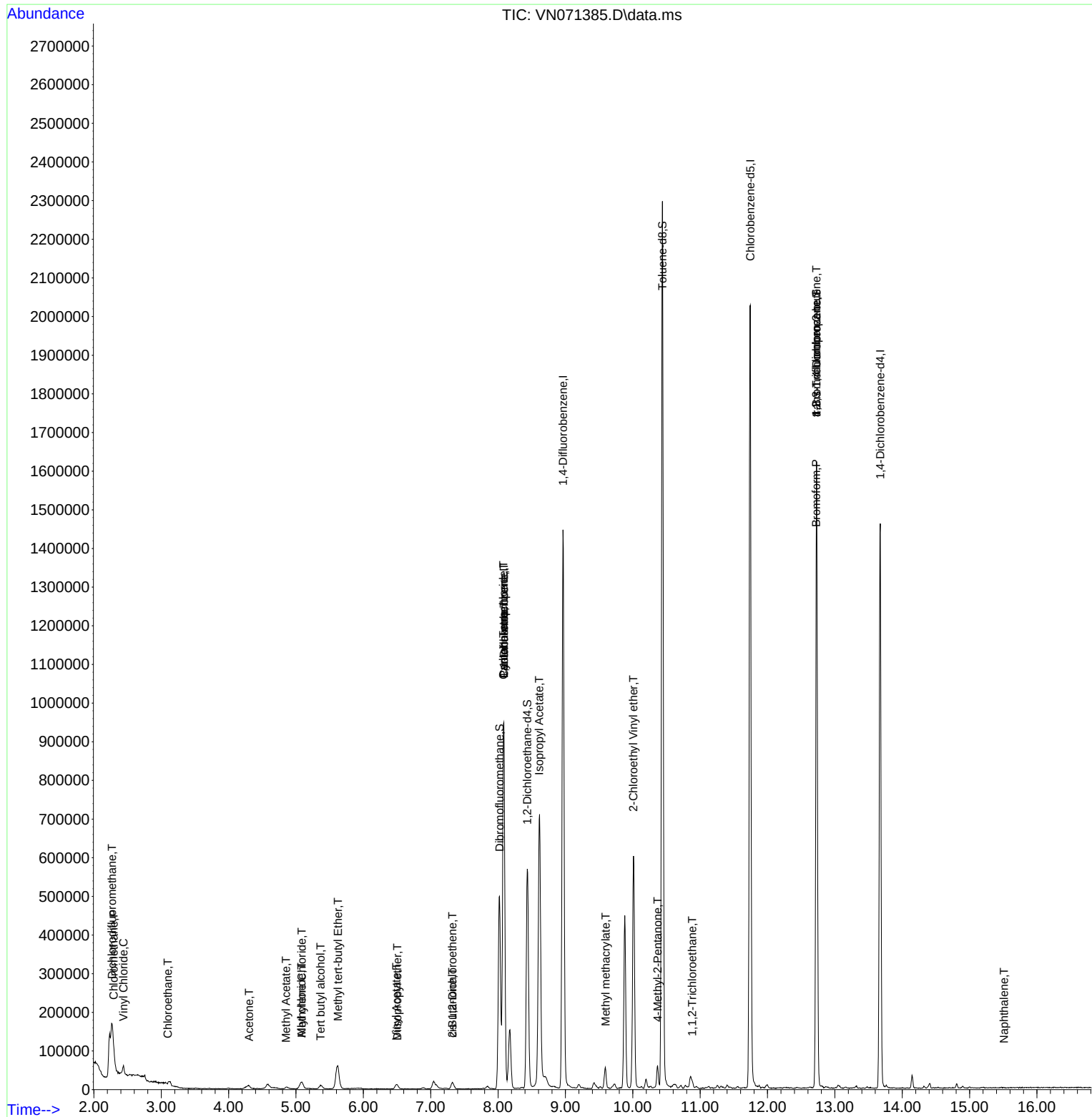
Internal Standards						
1) Pentafluorobenzene	8.086	168	744599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1262294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	1185699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	407153	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	484726	47.499	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.000%		
35) Dibromofluoromethane	8.022	113	372468	46.760	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.520%		
50) Toluene-d8	10.439	98	1575631	49.129	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.260%		
62) 4-Bromofluorobenzene	12.727	95	557958	51.376	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	102.760%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.269	85	2868	0.351	ug/l	90
3) Chloromethane	2.293	50	8578	0.749	ug/l #	70
4) Vinyl Chloride	2.440	62	5336	0.534	ug/l	95
5) Bromomethane	2.852	94	324	Below Cal	#	68
6) Chloroethane	3.099	64	2478	0.409	ug/l #	46
11) Tert butyl alcohol	5.363	59	16607	8.284	ug/l #	88
14) Allyl chloride	5.081	41	8326	0.513	ug/l #	59
16) Acetone	4.304	43	15784	3.179	ug/l	96
18) Methyl Acetate	4.851	43	10365	1.240	ug/l #	90
19) Methyl tert-butyl Ether	5.622	73	96065	3.428	ug/l	95
20) Methylene Chloride	5.087	84	2243	0.627	ug/l #	65
22) Diisopropyl ether	6.504	45	15207	0.475	ug/l #	84
23) Vinyl Acetate	6.492	43	8508	0.314	ug/l #	72
25) 2-Butanone	7.322	43	4289	0.536	ug/l #	48
27) cis-1,2-Dichloroethene	7.322	96	6906	0.713	ug/l	98
31) Cyclohexane	8.086	56	16943	1.040	ug/l #	10
36) 1,1-Dichloropropene	8.086	75	59213	4.640	ug/l #	49
38) Carbon Tetrachloride	8.081	117	74020	5.996	ug/l #	16
43) Isopropyl Acetate	8.610	43	196066	7.465	ug/l #	55
48) Methyl methacrylate	9.598	41	15250	1.253	ug/l #	28
51) 4-Methyl-2-Pentanone	10.369	43	6330	0.388	ug/l #	81
55) 1,1,2-Trichloroethane	10.880	97	4281	0.451	ug/l #	45
58) 2-Chloroethyl Vinyl ether	10.010	63	838	28.094	ug/l #	45
71) Bromoform	12.721	173	2326	0.328	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.804	83	68	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	288274	27.969	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	288274	76.537	ug/l #	5
95) Naphthalene	15.510	128	516	5.092	ug/l #	69

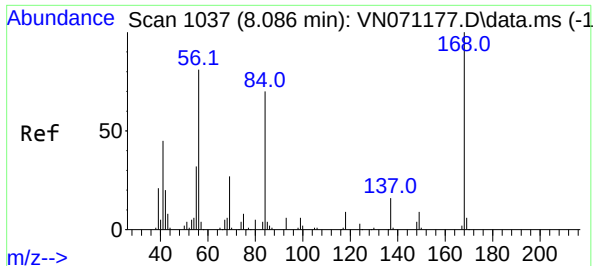
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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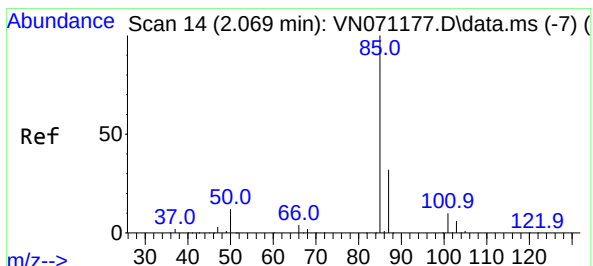
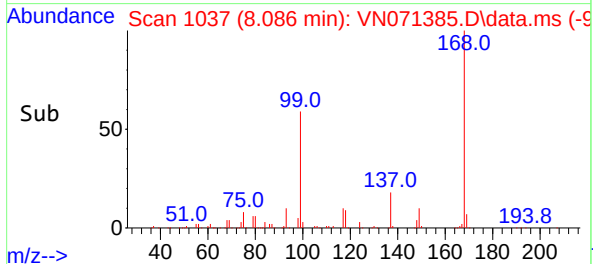
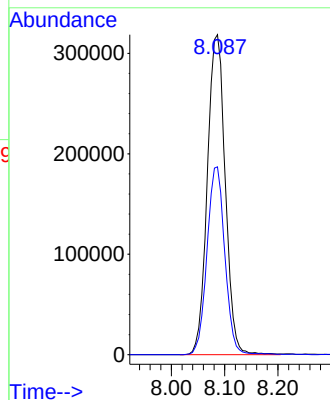
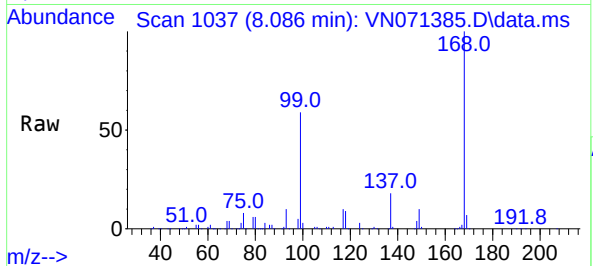




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

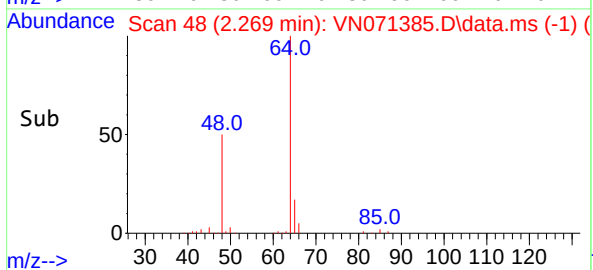
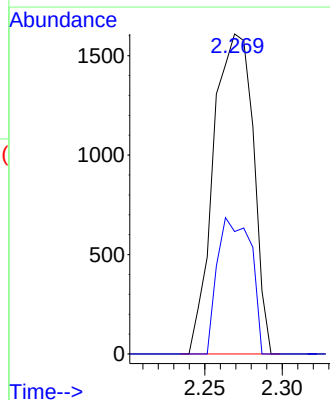
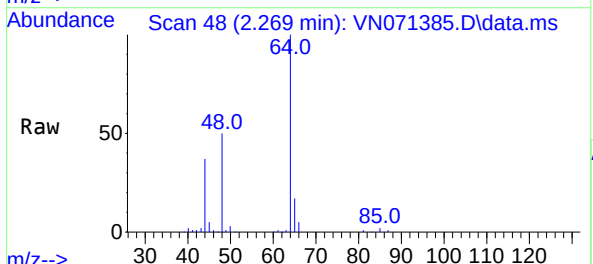
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 744599
Ion Ratio Lower Upper
168 100
99 58.7 41.3 61.9

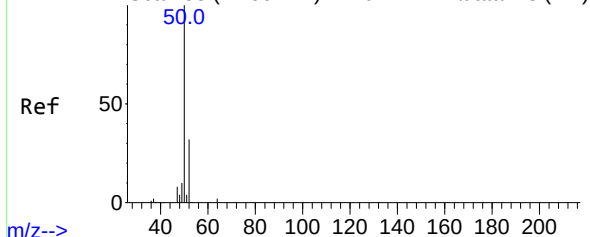


#2
Dichlorodifluoromethane
Concen: 0.351 ug/l
RT: 2.269 min Scan# 48
Delta R.T. 0.200 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion: 85 Resp: 2868
Ion Ratio Lower Upper
85 100
87 38.3 16.3 48.9



Abundance Scan 53 (2.299 min): VN071177.D\data.ms (-44)



#3

Chloromethane

Concen: 0.749 ug/l

RT: 2.293 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

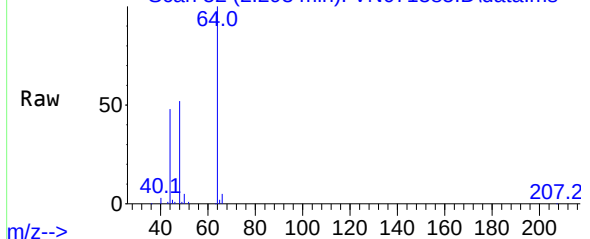
Tgt Ion: 50 Resp: 8578

Ion Ratio Lower Upper

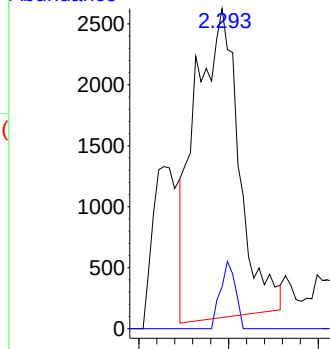
50 100

52 15.2 25.4 38.0#

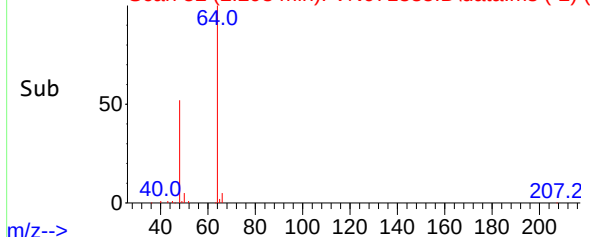
Abundance Scan 52 (2.293 min): VN071385.D\data.ms



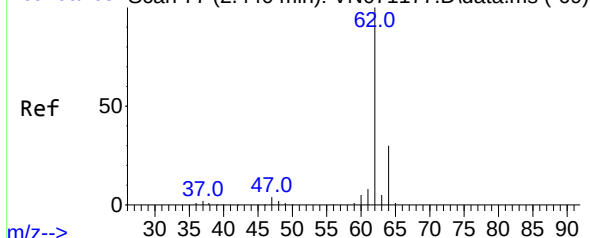
Abundance



Abundance Scan 52 (2.293 min): VN071385.D\data.ms (-2)



Abundance Scan 77 (2.440 min): VN071177.D\data.ms (-69)



#4

Vinyl Chloride

Concen: 0.534 ug/l

RT: 2.440 min Scan# 77

Delta R.T. 0.000 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

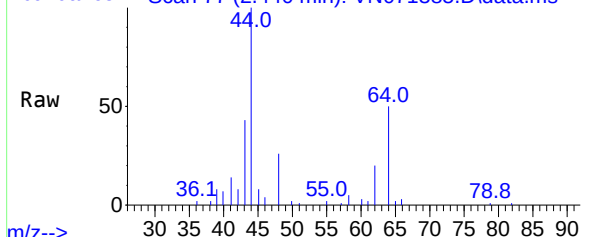
Tgt Ion: 62 Resp: 5336

Ion Ratio Lower Upper

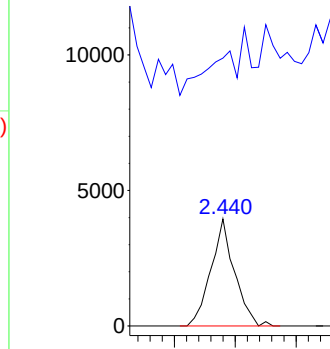
62 100

64 34.8 25.8 38.6

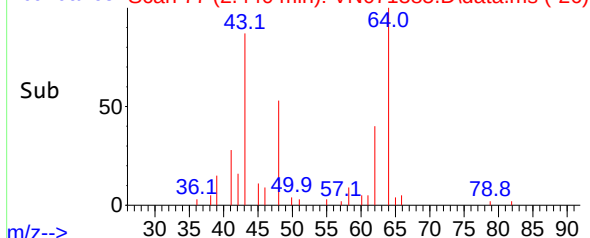
Abundance Scan 77 (2.440 min): VN071385.D\data.ms

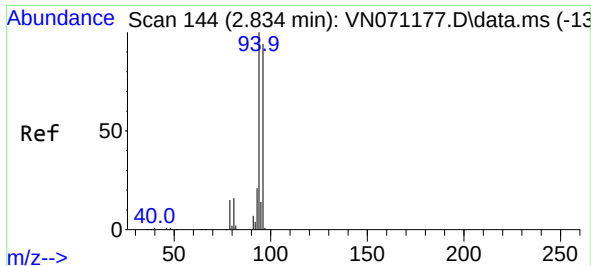


Abundance



Abundance Scan 77 (2.440 min): VN071385.D\data.ms (-26)

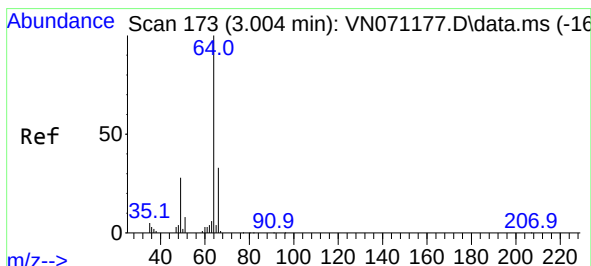
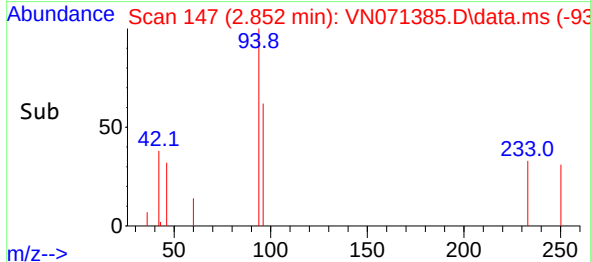
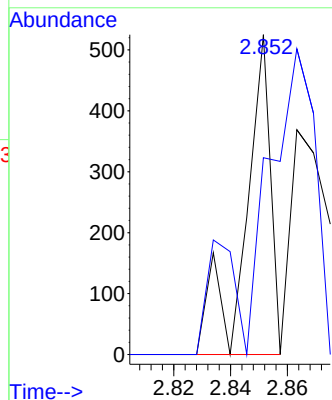
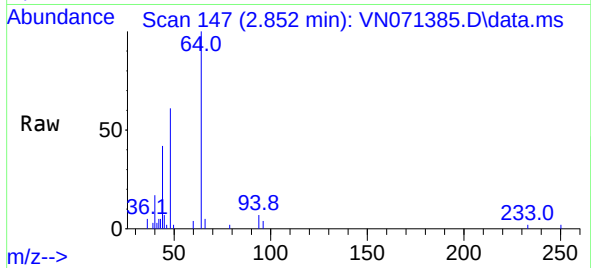




#5
Bromomethane
Concen: Below Cal
RT: 2.852 min Scan# 14
Delta R.T. 0.018 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

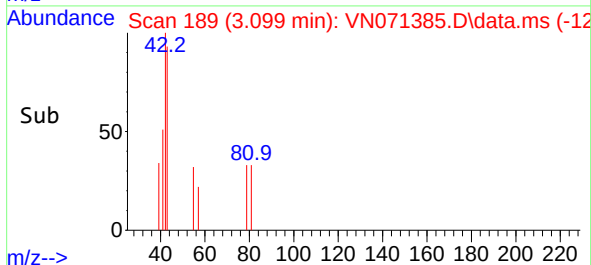
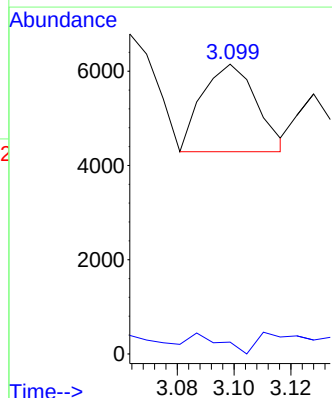
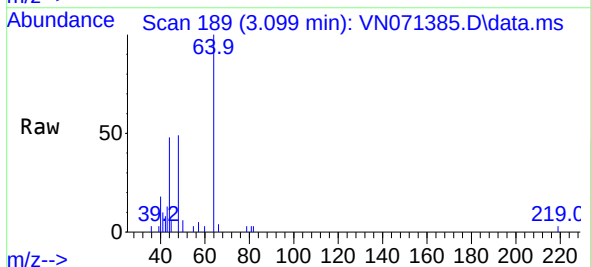
Instrument :
MSVOA_N
ClientSampleId :

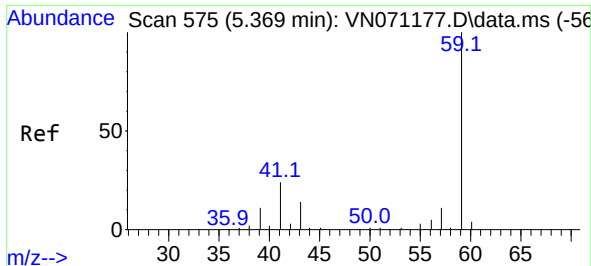
Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 61.5 73.8 110.8#



#6
Chloroethane
Concen: 0.409 ug/l
RT: 3.099 min Scan# 189
Delta R.T. 0.095 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion: 64 Resp: 2478
Ion Ratio Lower Upper
64 100
66 2.5 26.3 39.5#

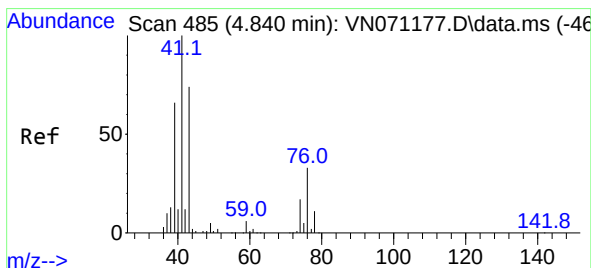
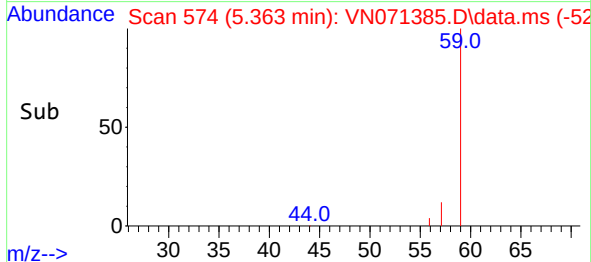
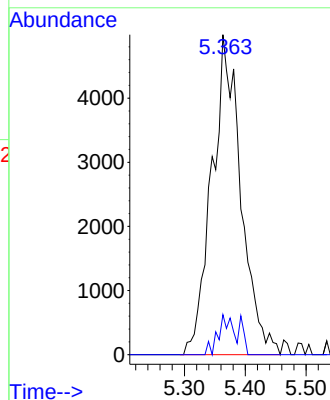
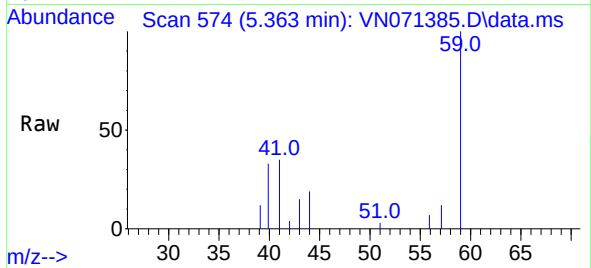




#11
Tert butyl alcohol
Concen: 8.284 ug/l
RT: 5.363 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

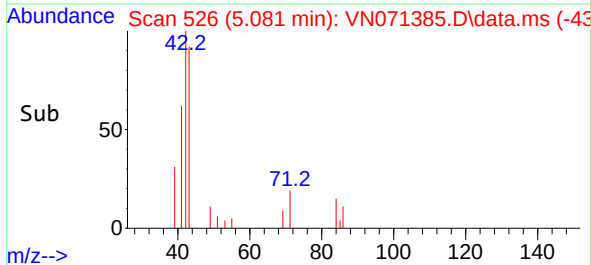
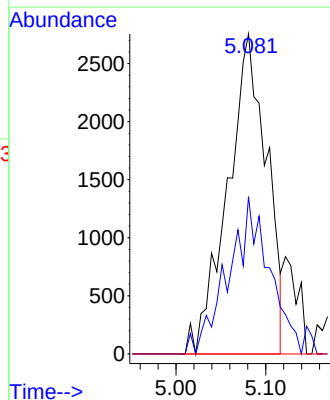
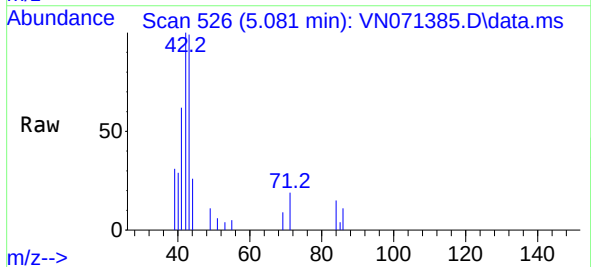
Instrument :
MSVOA_N
ClientSampleId :

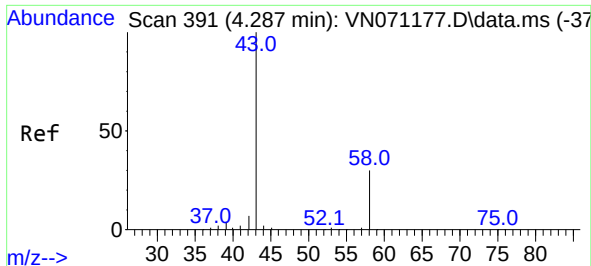
Tgt Ion: 59 Resp: 16607
Ion Ratio Lower Upper
59 100
57 6.2 8.7 13.1#



#14
Allyl chloride
Concen: 0.513 ug/l
RT: 5.081 min Scan# 526
Delta R.T. 0.241 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion: 41 Resp: 8326
Ion Ratio Lower Upper
41 100
39 47.9 61.2 91.8#
76 0.0 26.0 39.0#

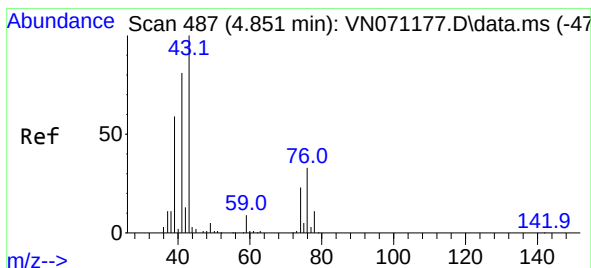
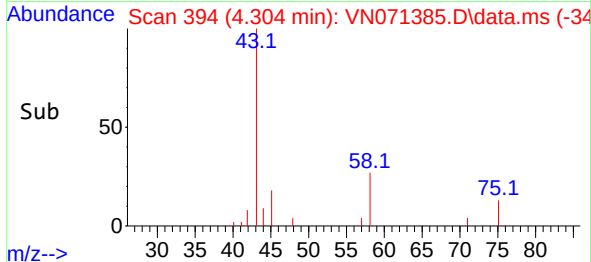
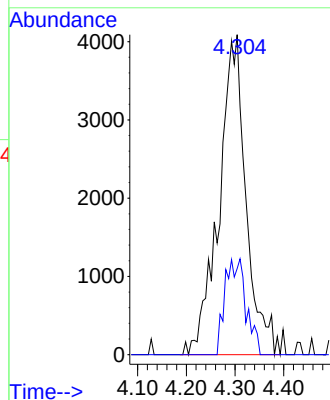
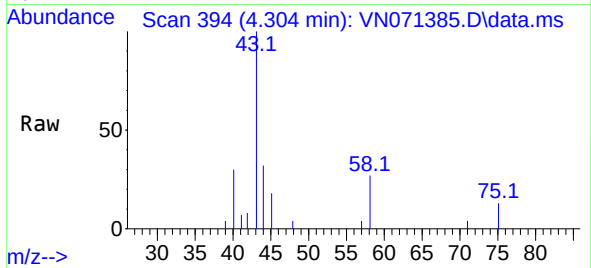




#16
Acetone
Concen: 3.179 ug/l
RT: 4.304 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

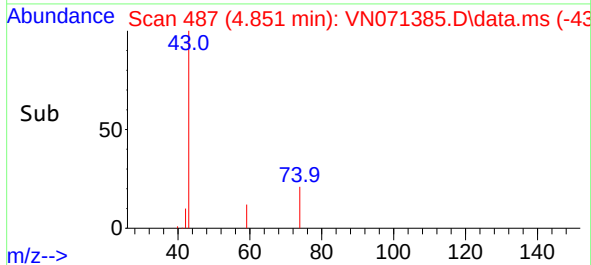
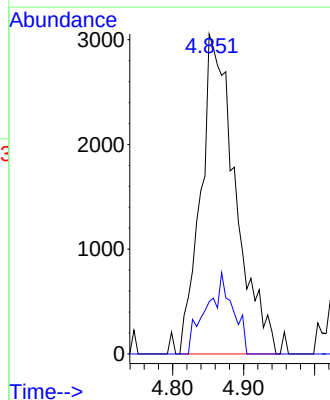
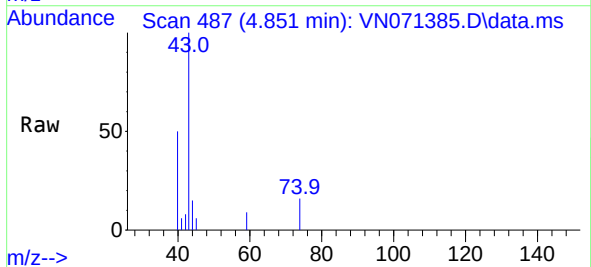
Instrument :
MSVOA_N
ClientSampleId :

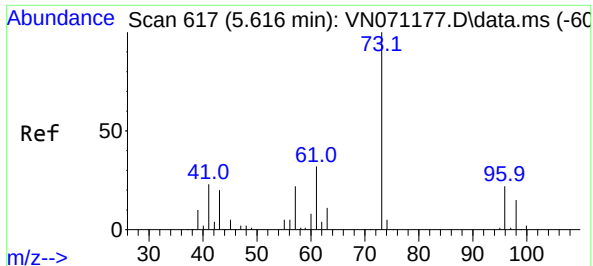
Tgt Ion: 43 Resp: 15784
Ion Ratio Lower Upper
43 100
58 26.9 23.1 34.7



#18
Methyl Acetate
Concen: 1.240 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion: 43 Resp: 10365
Ion Ratio Lower Upper
43 100
74 19.3 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 3.428 ug/l

RT: 5.622 min Scan# 61

Delta R.T. 0.006 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

Instrument :

MSVOA_N

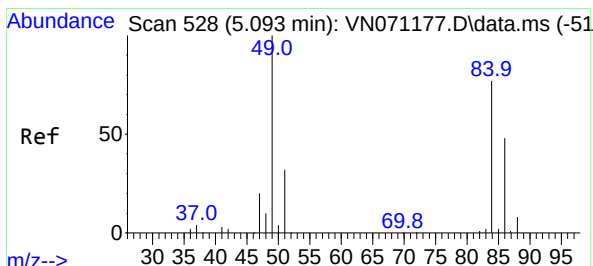
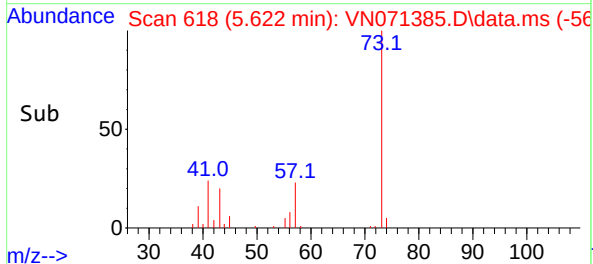
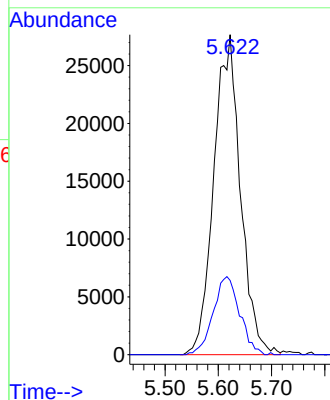
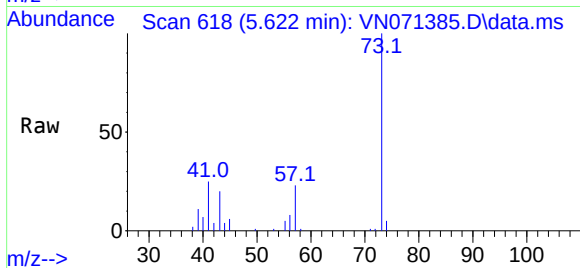
ClientSampleId :

Tgt Ion: 73 Resp: 96065

Ion Ratio Lower Upper

73 100

57 23.2 16.8 25.2



#20

Methylene Chloride

Concen: 0.627 ug/l

RT: 5.087 min Scan# 527

Delta R.T. -0.006 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

Tgt Ion: 84 Resp: 2243

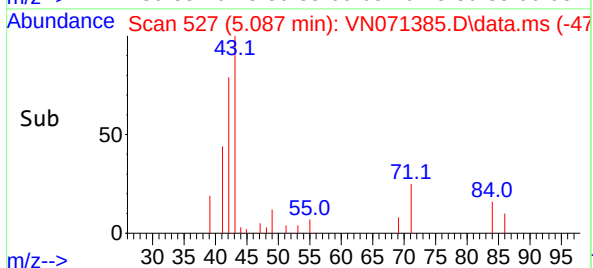
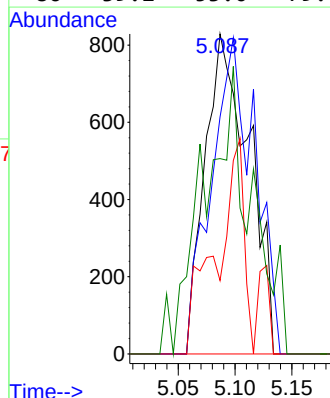
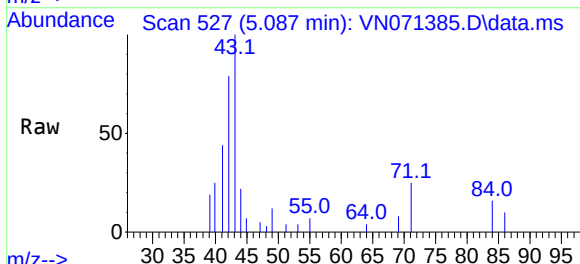
Ion Ratio Lower Upper

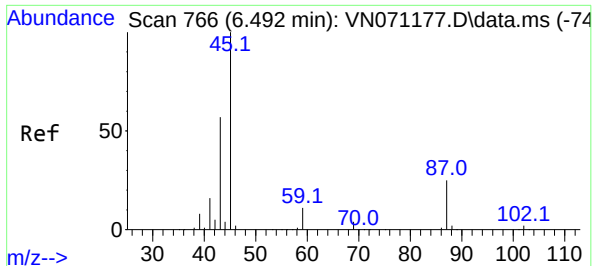
84 100

49 74.1 93.5 140.3#

51 22.9 29.4 44.2#

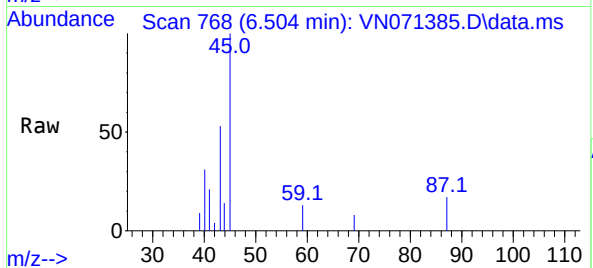
86 39.2 53.0 79.4#





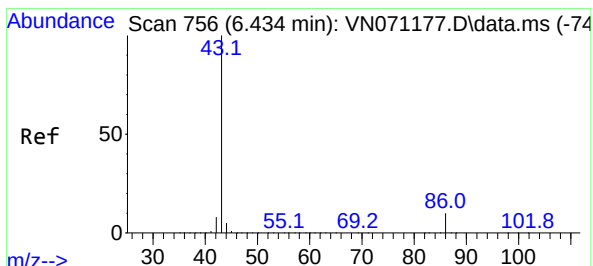
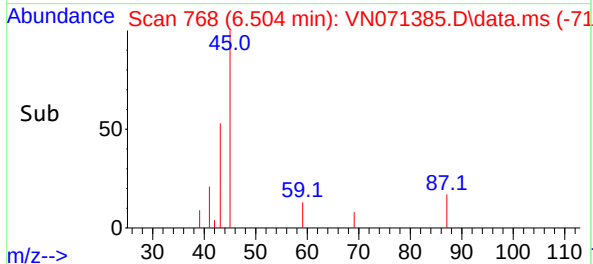
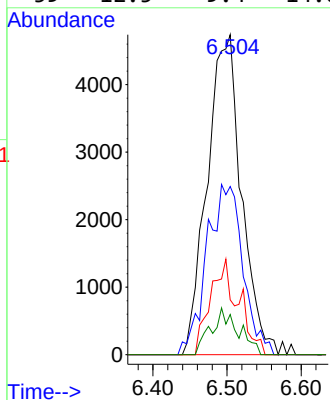
#22
Diisopropyl ether
Concen: 0.475 ug/l
RT: 6.504 min Scan# 768
Delta R.T. 0.012 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 45 Resp: 15207

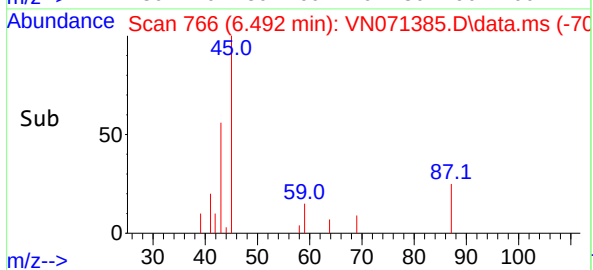
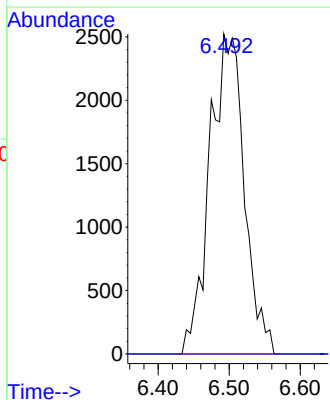
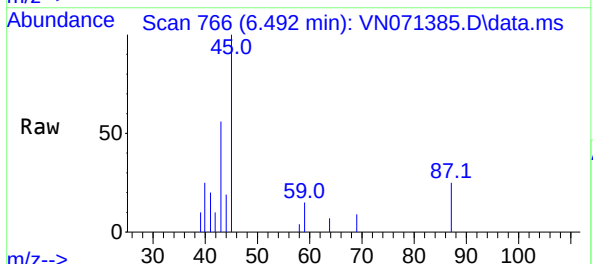
Ion	Ratio	Lower	Upper
45	100		
43	52.5	51.7	77.5
87	17.2	23.2	34.8#
59	12.5	9.4	14.0

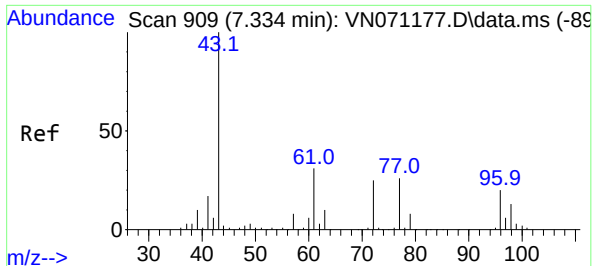


#23
Vinyl Acetate
Concen: 0.314 ug/l
RT: 6.492 min Scan# 766
Delta R.T. 0.059 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion: 43 Resp: 8508

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#





#25

2-Butanone

Concen: 0.536 ug/l

RT: 7.322 min Scan# 907

Delta R.T. -0.012 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

Instrument :

MSVOA_N

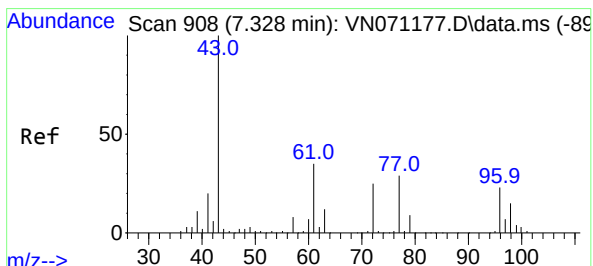
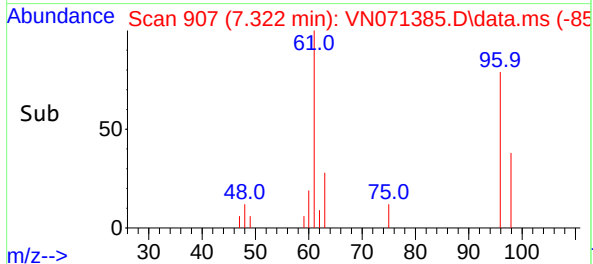
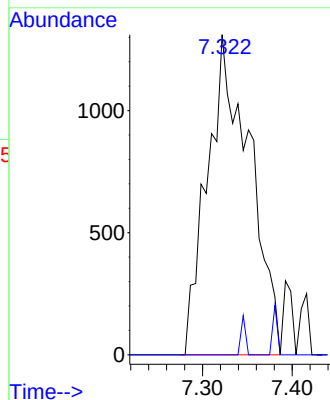
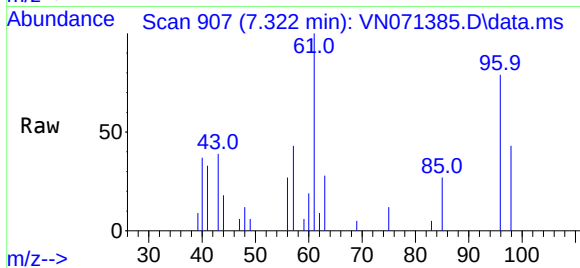
ClientSampleId :

Tgt Ion: 43 Resp: 4289

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#27

cis-1,2-Dichloroethene

Concen: 0.713 ug/l

RT: 7.322 min Scan# 907

Delta R.T. -0.006 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

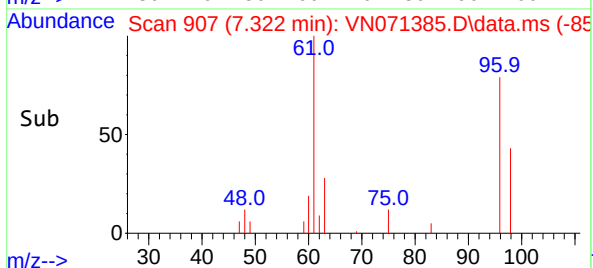
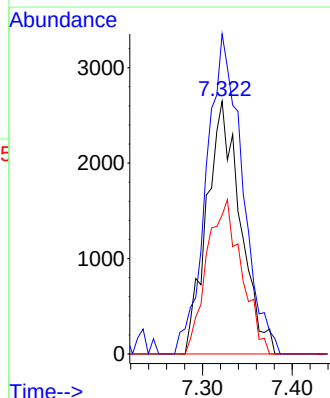
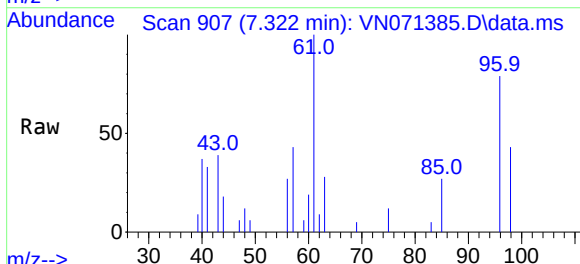
Tgt Ion: 96 Resp: 6906

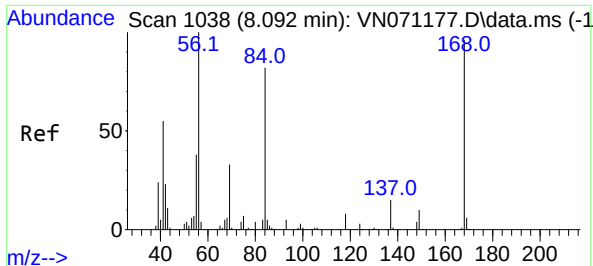
Ion Ratio Lower Upper

96 100

61 134.8 0.0 275.0

98 63.0 0.0 129.6





#31

Cyclohexane

Concen: 1.040 ug/l

RT: 8.086 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

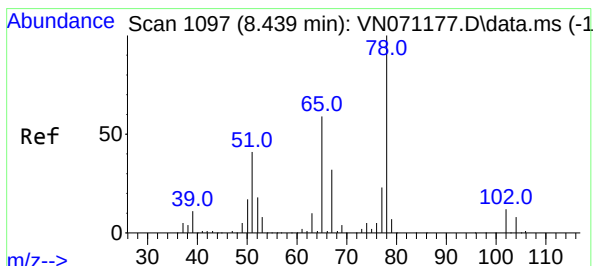
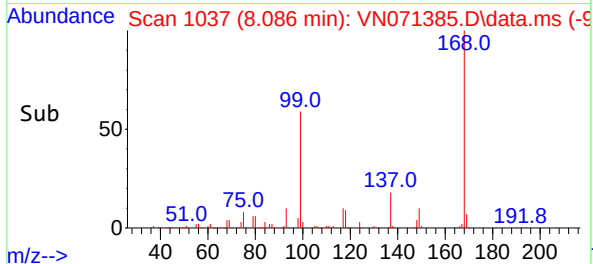
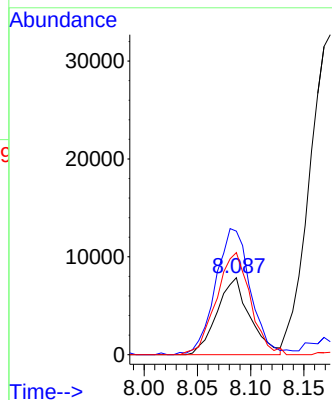
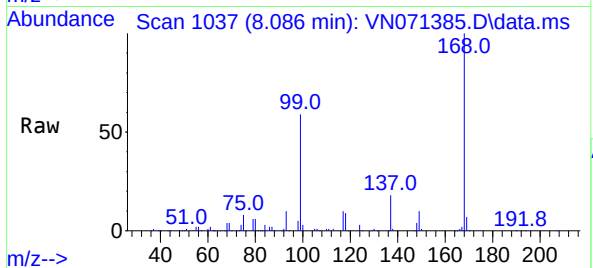
Tgt Ion: 56 Resp: 16943

Ion Ratio Lower Upper

56 100

69 157.5 27.1 40.7#

84 132.7 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 47.499 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.006 min

Lab File: VN071385.D

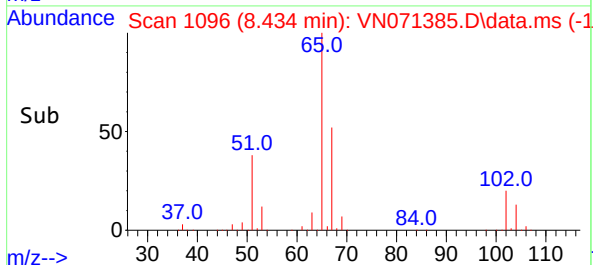
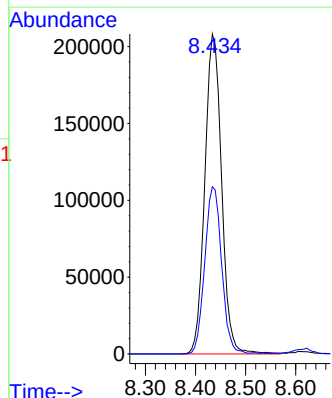
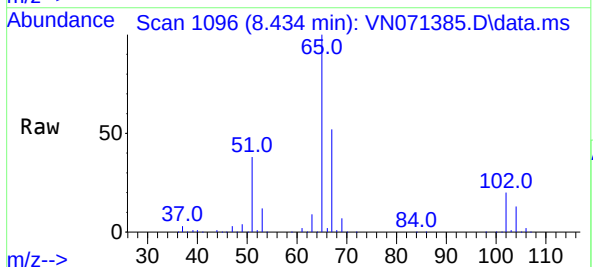
Acq: 18 Mar 2022 20:20

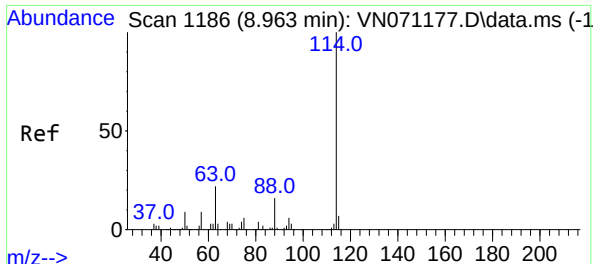
Tgt Ion: 65 Resp: 484726

Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

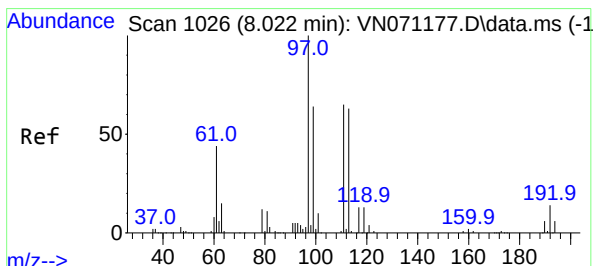
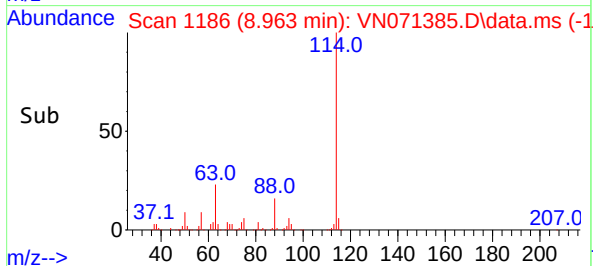
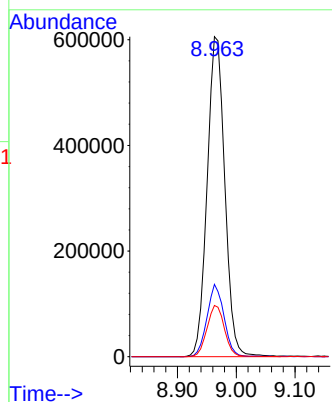
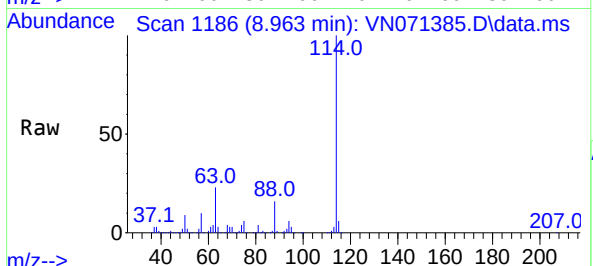
Tgt Ion:114 Resp: 1262294

Ion Ratio Lower Upper

114 100

63 22.6 0.0 37.8

88 16.0 0.0 27.4



#35

Dibromofluoromethane

Concen: 46.760 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.000 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

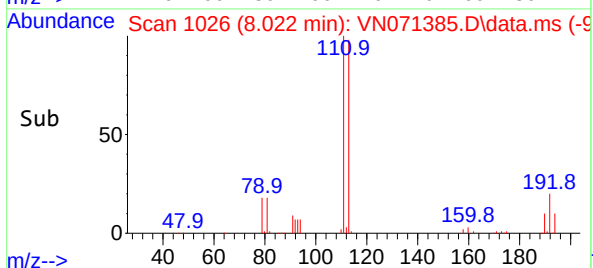
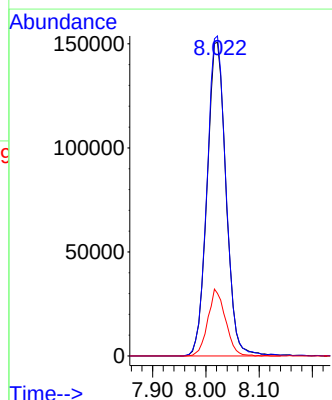
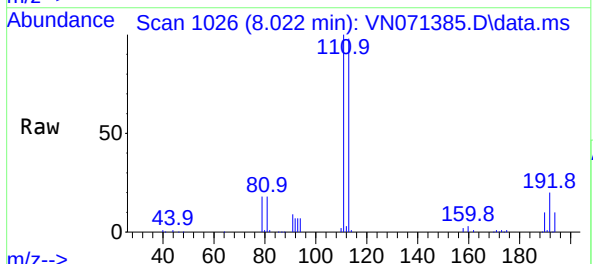
Tgt Ion:113 Resp: 372468

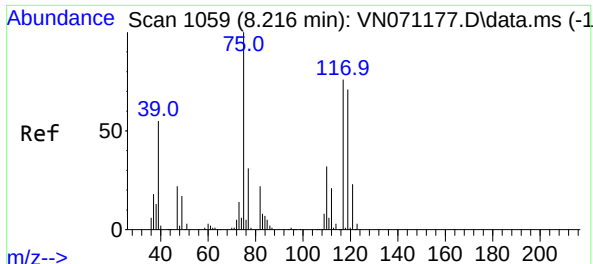
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.2

192 19.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.640 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071385.D

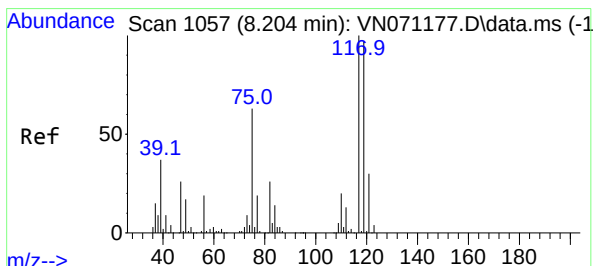
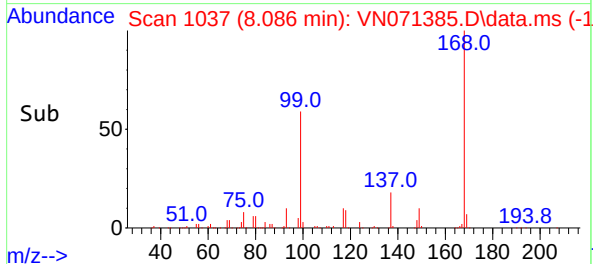
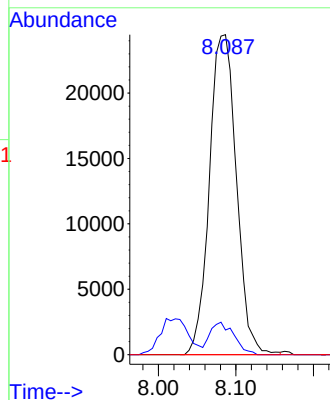
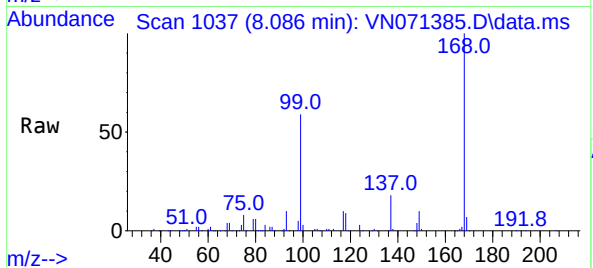
Acq: 18 Mar 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	59213
Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.4	55.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.996 ug/l

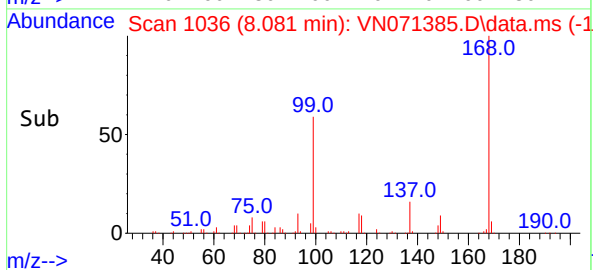
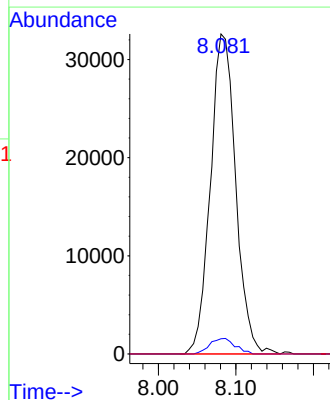
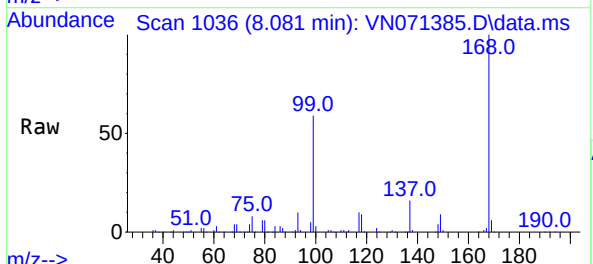
RT: 8.081 min Scan# 1036

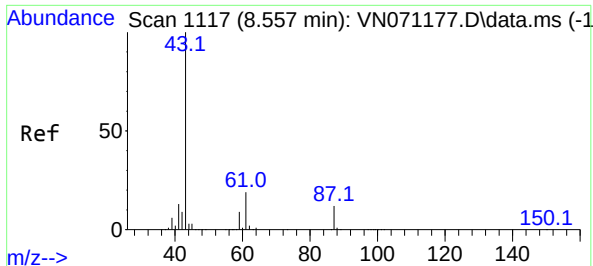
Delta R.T. -0.123 min

Lab File: VN071385.D

Acq: 18 Mar 2022 20:20

Tgt Ion:	117	Resp:	74020
Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.1	114.1#
121	0.0	24.2	36.2#

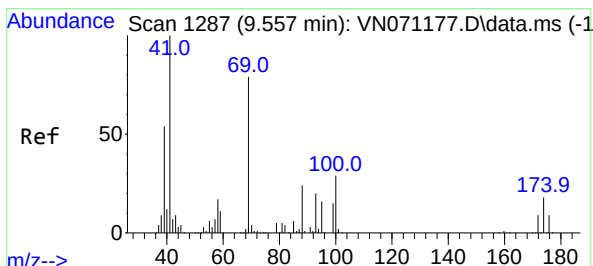
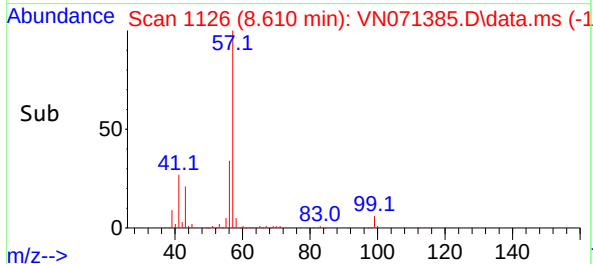
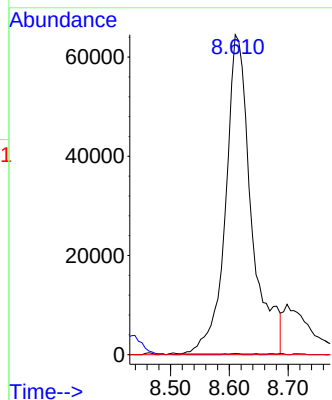
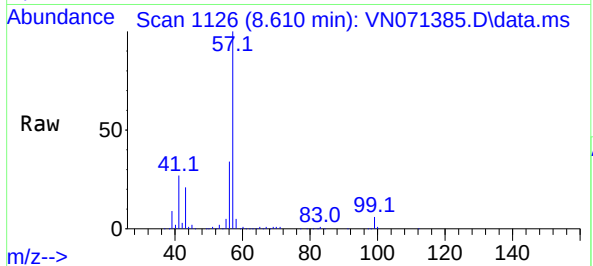




#43
Isopropyl Acetate
Concen: 7.465 ug/l
RT: 8.610 min Scan# 1117
Delta R.T. 0.053 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

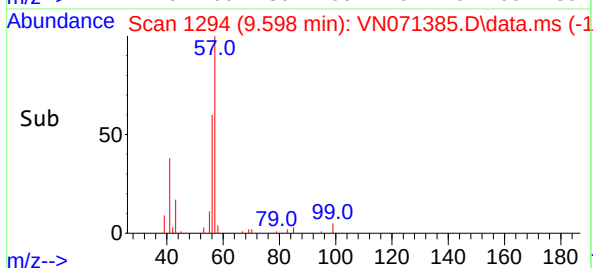
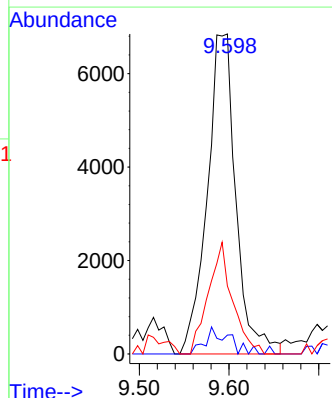
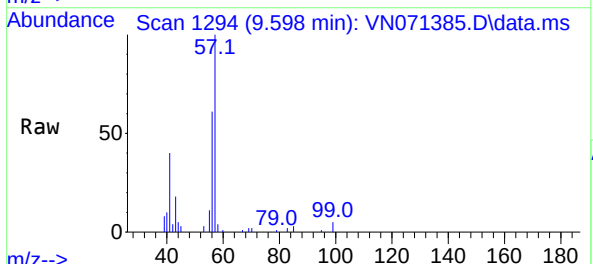
Instrument :
MSVOA_N
ClientSampleId :

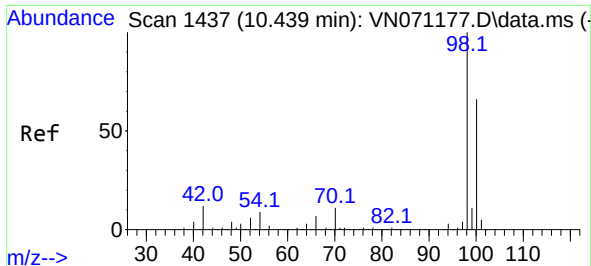
Tgt Ion: 43 Resp: 196066
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.253 ug/l
RT: 9.598 min Scan# 1294
Delta R.T. 0.041 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion: 41 Resp: 15250
Ion Ratio Lower Upper
41 100
69 7.0 72.4 108.6#
39 29.4 58.4 87.6#

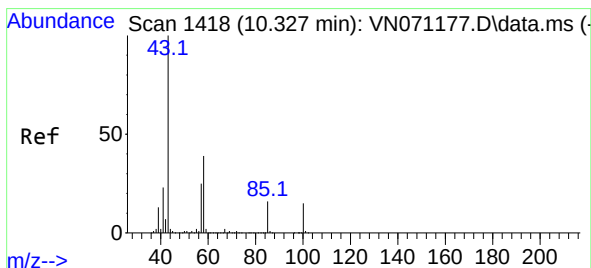
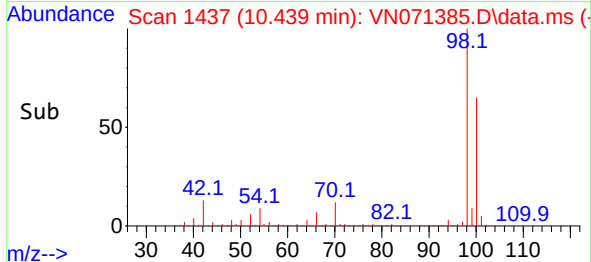
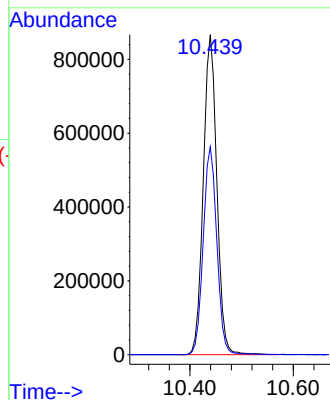
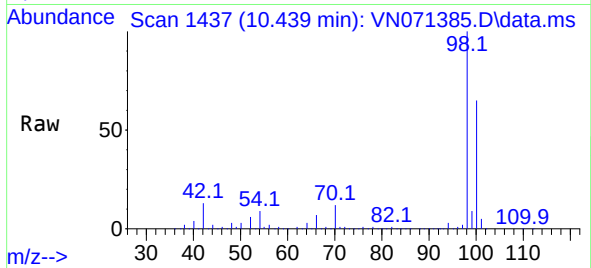




#50
Toluene-d8
Concen: 49.129 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

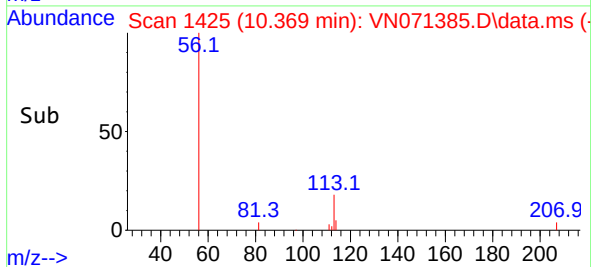
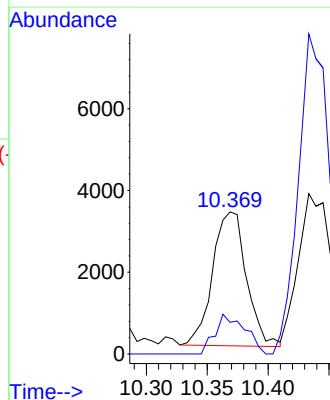
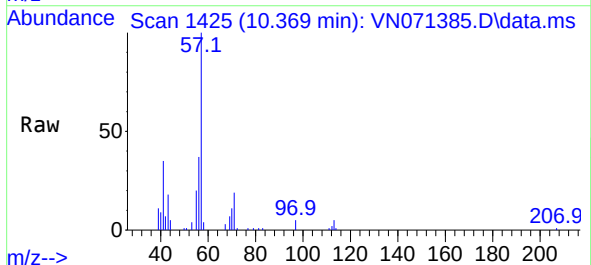
Instrument :
MSVOA_N
ClientSampleId :

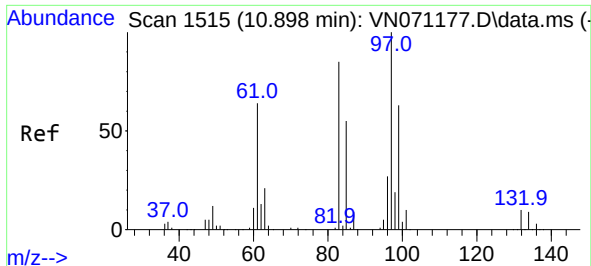
Tgt Ion: 98 Resp: 1575631
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.388 ug/l
RT: 10.369 min Scan# 1425
Delta R.T. 0.042 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

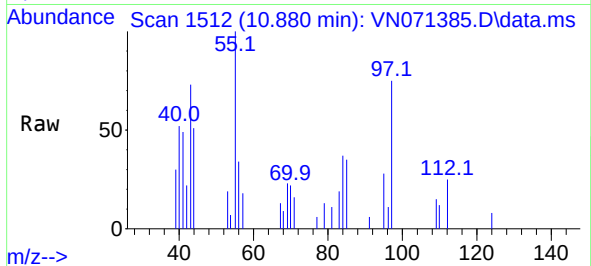
Tgt Ion: 43 Resp: 6330
Ion Ratio Lower Upper
43 100
58 26.3 30.4 45.6#





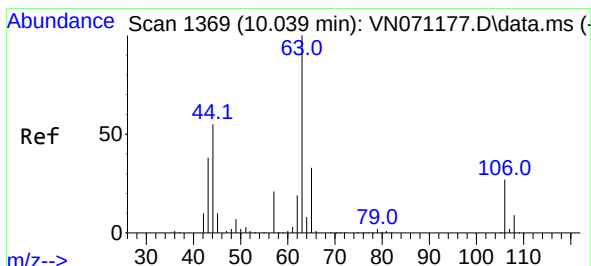
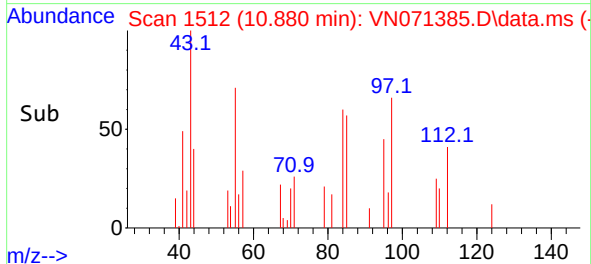
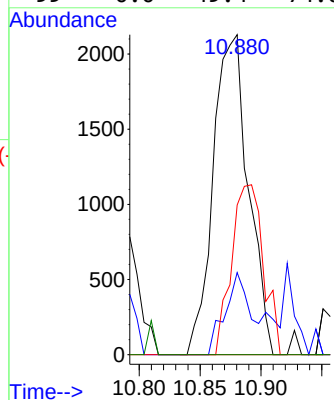
#55
 1,1,2-Trichloroethane
 Concen: 0.451 ug/l
 RT: 10.880 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: VN071385.D
 Acq: 18 Mar 2022 20:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 97 Resp: 4281

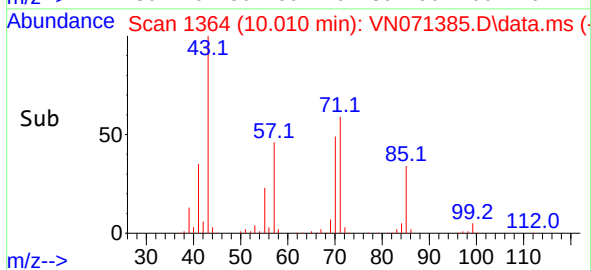
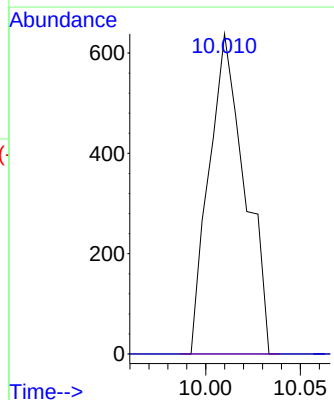
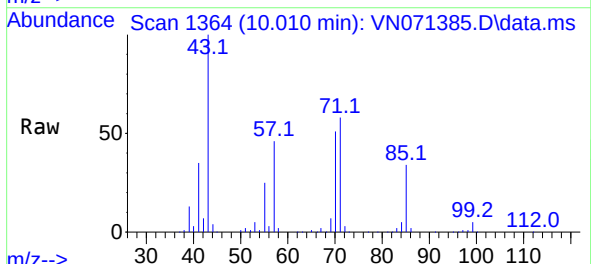
Ion	Ratio	Lower	Upper
97	100		
83	25.6	67.8	101.6#
85	46.7	45.4	68.2
99	0.0	49.4	74.0#

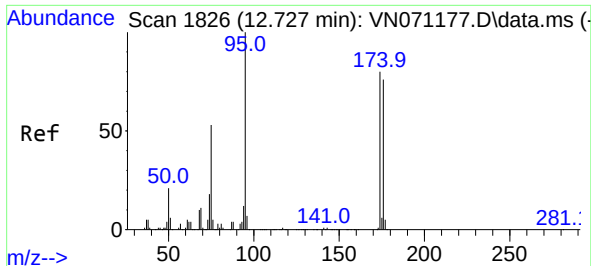


#58
 2-Chloroethyl Vinyl ether
 Concen: 28.094 ug/l
 RT: 10.010 min Scan# 1364
 Delta R.T. -0.029 min
 Lab File: VN071385.D
 Acq: 18 Mar 2022 20:20

Tgt Ion: 63 Resp: 838

Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.9	35.9#

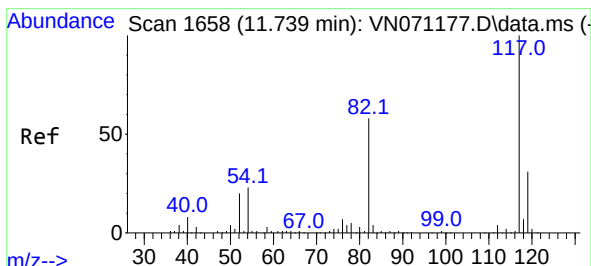
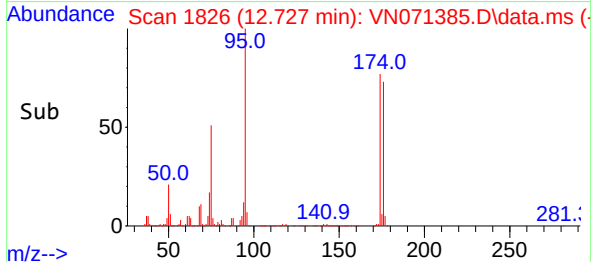
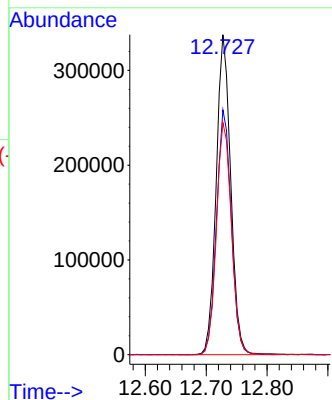
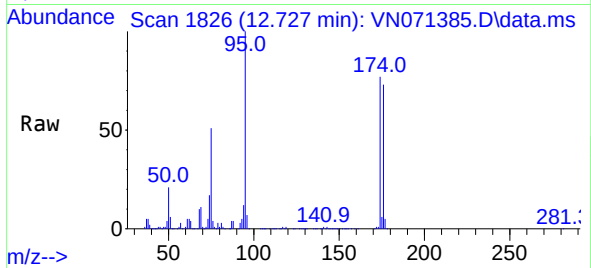




#62
4-Bromofluorobenzene
Concen: 51.376 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

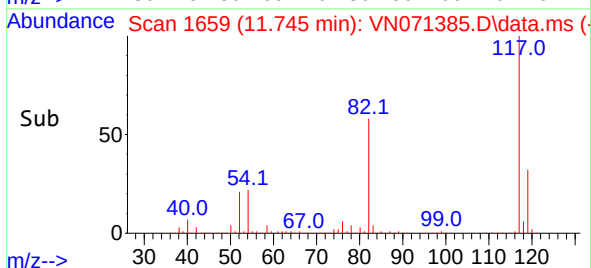
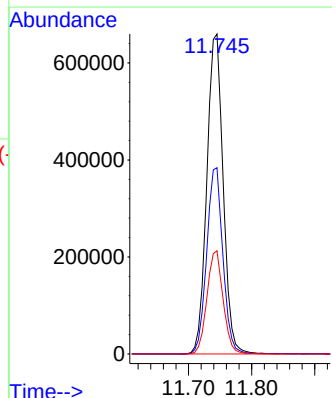
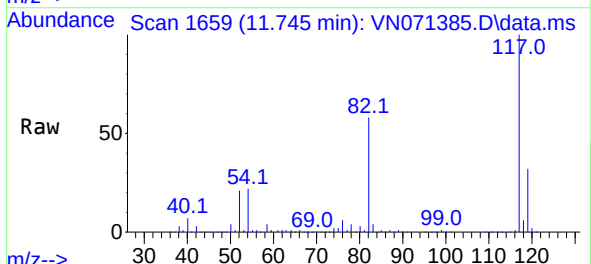
Instrument :
MSVOA_N
ClientSampleId :

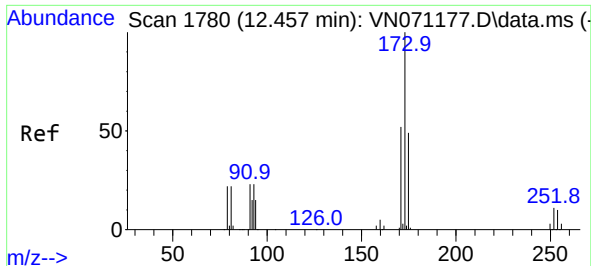
Tgt Ion: 95 Resp: 557958
Ion Ratio Lower Upper
95 100
174 78.1 0.0 187.2
176 74.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion: 117 Resp: 1185699
Ion Ratio Lower Upper
117 100
82 58.2 42.4 63.6
119 32.3 25.4 38.2

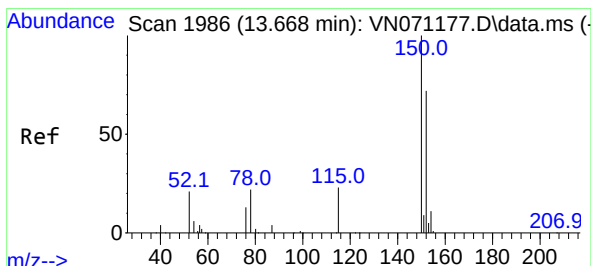
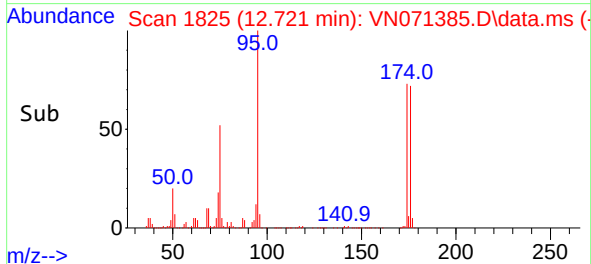
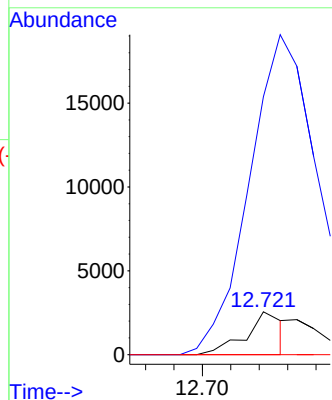
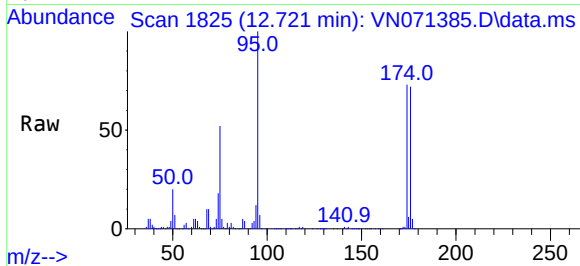




#71
Bromoform
Concen: 0.328 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.264 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

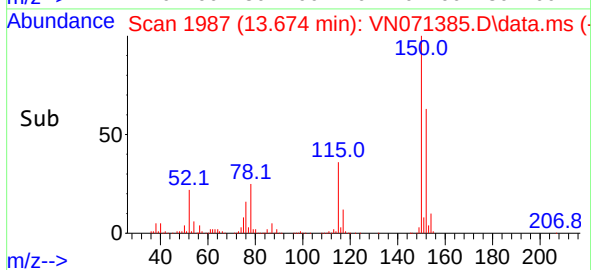
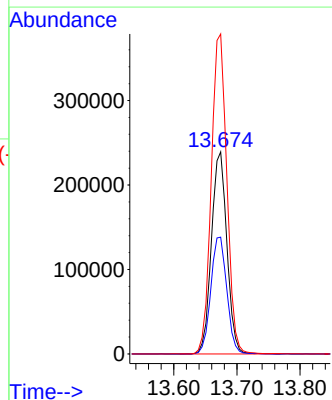
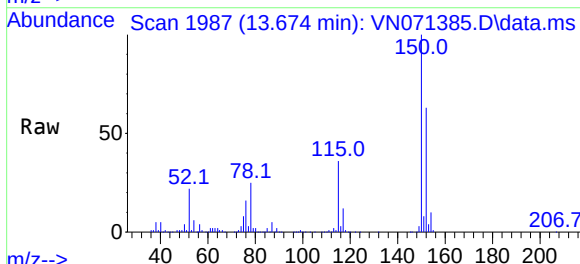
Instrument :
MSVOA_N
ClientSampleId :

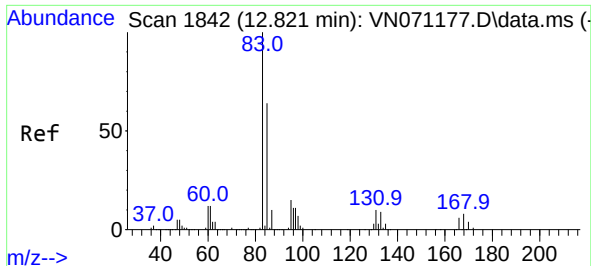
Tgt Ion:173 Resp: 2326
Ion Ratio Lower Upper
173 100
175 1021.3 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.006 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion:152 Resp: 407153
Ion Ratio Lower Upper
152 100
115 59.9 27.5 82.5
150 159.5 0.0 344.4

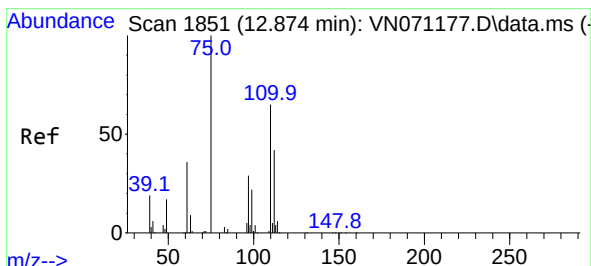
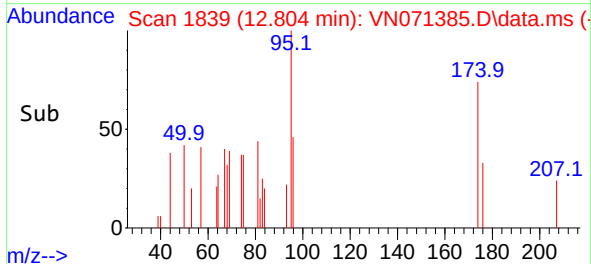
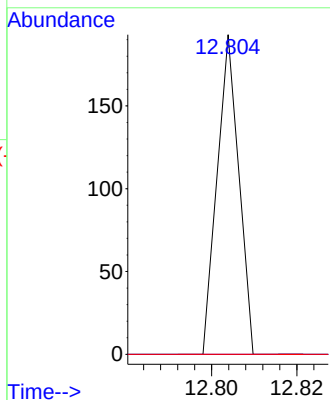
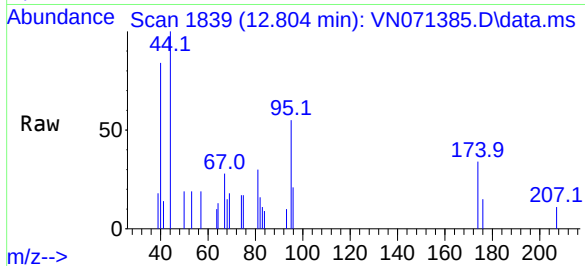




#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.804 min Scan# 1839
Delta R.T. -0.017 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

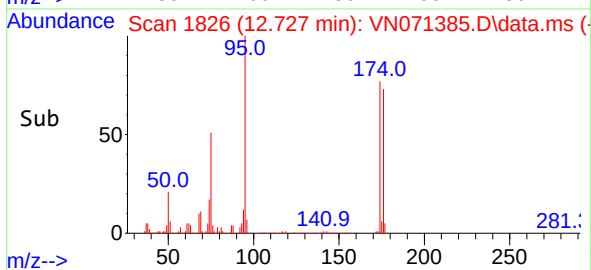
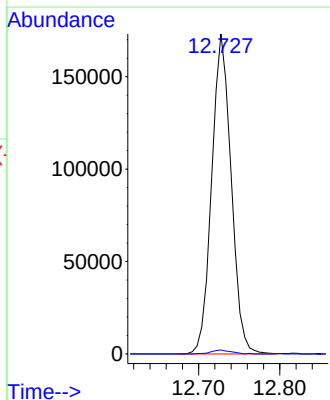
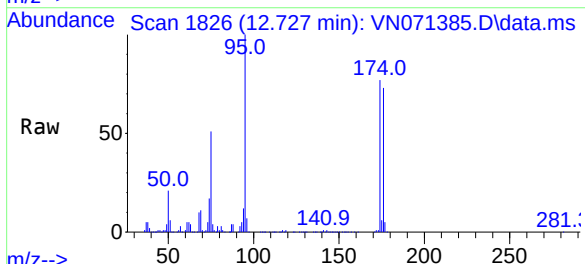
Instrument :
MSVOA_N
ClientSampleId :

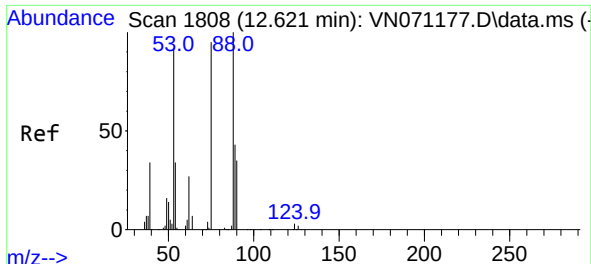
Tgt Ion: 83 Resp: 68
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.5#
85 0.0 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 27.969 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion: 75 Resp: 288274
Ion Ratio Lower Upper
75 100
77 1.3 82.6 247.8#

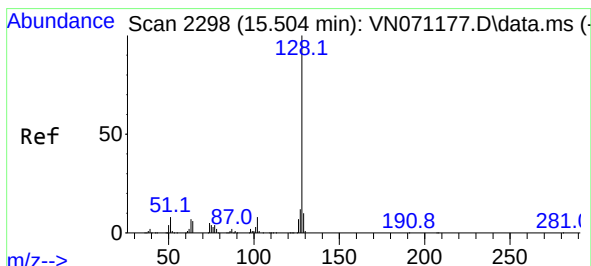
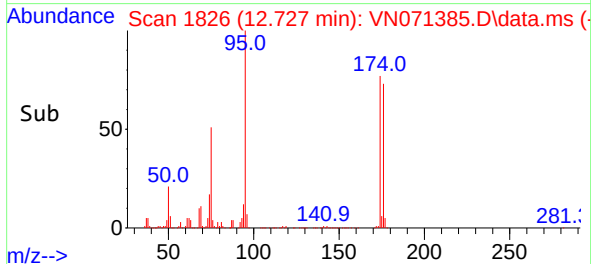
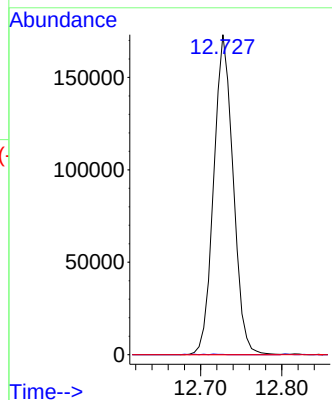
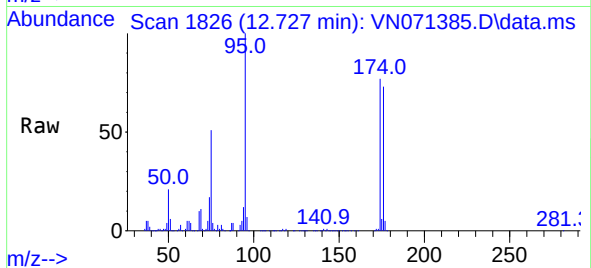




#81
trans-1,4-Dichloro-2-butene
Concen: 76.537 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 288274
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#95
Naphthalene
Concen: 5.092 ug/l
RT: 15.510 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VN071385.D
Acq: 18 Mar 2022 20:20

Tgt Ion:128 Resp: 516
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

