

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077128.D
 Acq On : 23 Mar 2023 05:23
 Operator : JC\MD
 Sample : PB151586ZHE004
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 09:29:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 20 08:50:30 2023
 Response via : Initial Calibration

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

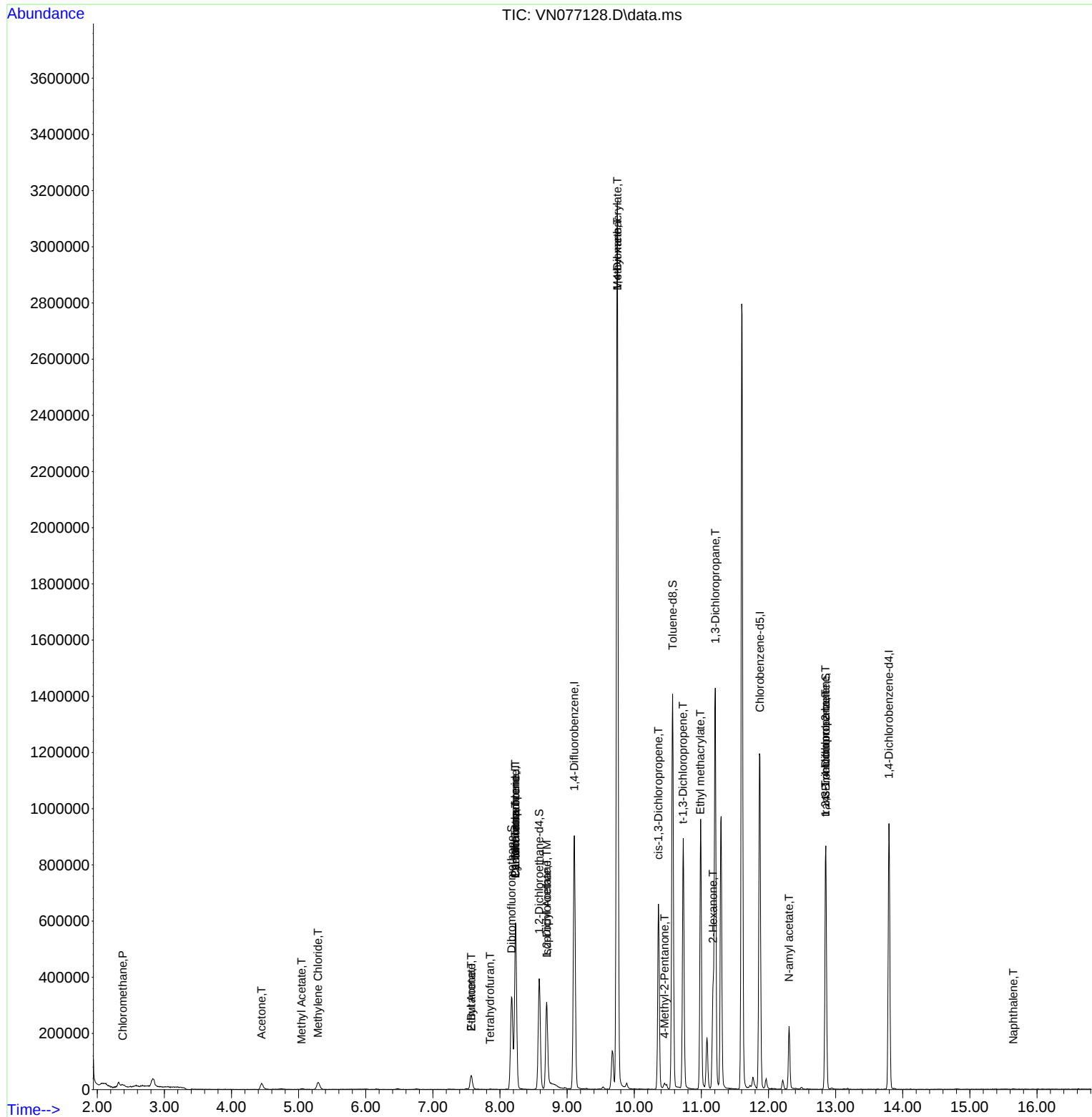
Internal Standards						
1) Pentafluorobenzene	8.231	168	406517	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	741213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	669180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	243268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	316448	48.734	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.460%
35) Dibromofluoromethane	8.172	113	235158	45.303	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.600%
50) Toluene-d8	10.572	98	932658	50.299	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.600%
62) 4-Bromofluorobenzene	12.854	95	276720	42.233	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.378	50	1579	0.386	ug/l #	73
16) Acetone	4.448	43	39630	13.697	ug/l #	88
18) Methyl Acetate	5.043	43	4003	0.367	ug/l	97
20) Methylene Chloride	5.290	84	19214	3.060	ug/l	92
25) 2-Butanone	7.572	43	77316	18.267	ug/l #	49
29) Tetrahydrofuran	7.854	42	602	0.219	ug/l #	69
31) Cyclohexane	8.231	56	12347	1.162	ug/l #	1
36) 1,1-Dichloropropene	8.231	75	37813	4.664	ug/l #	53
37) Ethyl Acetate	7.572	43	77316	8.913	ug/l	96
38) Carbon Tetrachloride	8.231	117	44820	5.676	ug/l #	16
42) 1,2-Dichloroethane	8.695	62	2215	0.249	ug/l #	76
43) Isopropyl Acetate	8.695	43	361537	26.680	ug/l #	86
48) Methyl methacrylate	9.748	41	309330	47.748	ug/l #	45
49) 1,4-Dioxane	9.748	88	285	2.576	ug/l #	1
51) 4-Methyl-2-Pentanone	10.454	43	24178	2.865	ug/l #	72
53) t-1,3-Dichloropropene	10.725	75	2520	0.298	ug/l	90
54) cis-1,3-Dichloropropene	10.360	75	106330	11.131	ug/l #	76
56) Ethyl methacrylate	10.983	69	3920	0.450	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	12916	1.219	ug/l #	43
59) 2-Hexanone	11.172	43	296260	48.404	ug/l #	24
74) N-amyl acetate	12.307	43	74812	7.928	ug/l #	52
76) 1,2,3-Trichloropropane	12.848	75	158717	25.223	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	158717	69.429	ug/l #	10
95) Naphthalene	15.648	128	1621	2.008	ug/l #	70

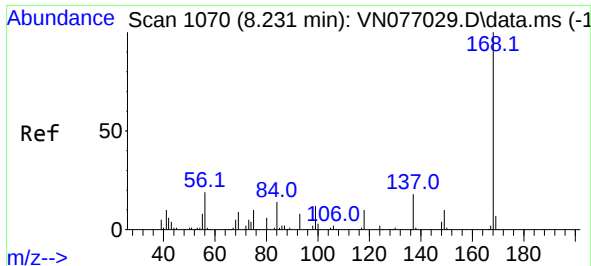
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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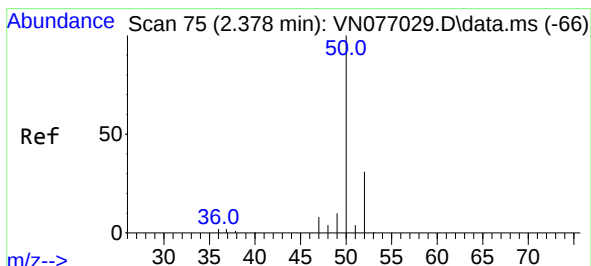
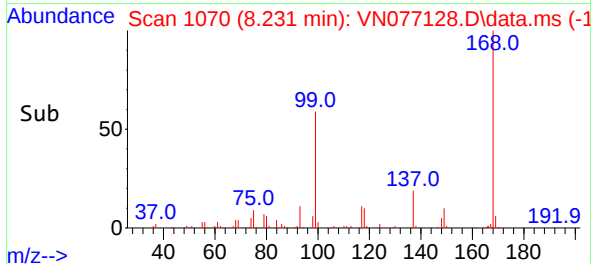
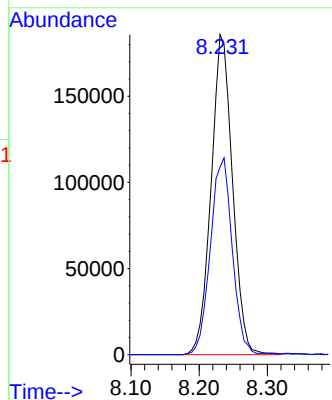
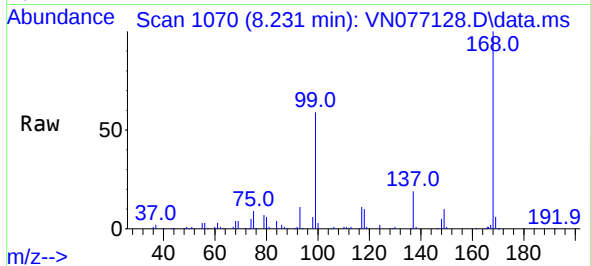




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

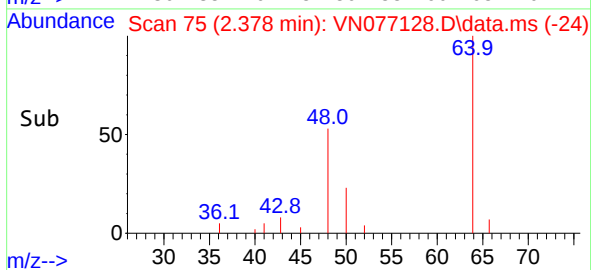
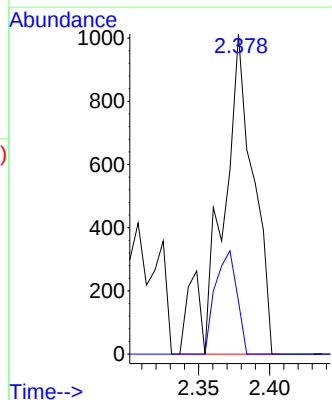
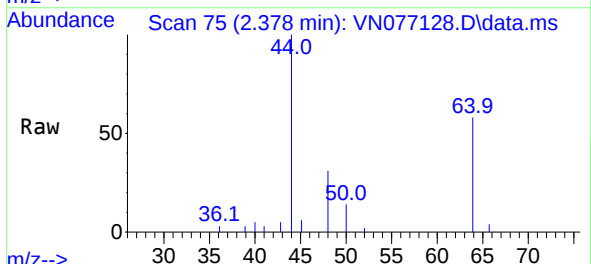
Instrument :
MSVOA_N
ClientSampleId :

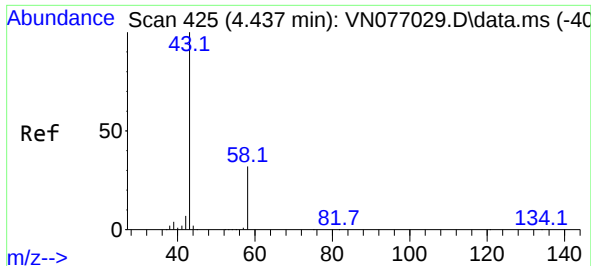
Tgt Ion:168 Resp: 406517
Ion Ratio Lower Upper
168 100
99 58.6 53.9 80.9



#3
Chloromethane
Concen: 0.386 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Tgt Ion: 50 Resp: 1579
Ion Ratio Lower Upper
50 100
52 16.6 25.1 37.7#

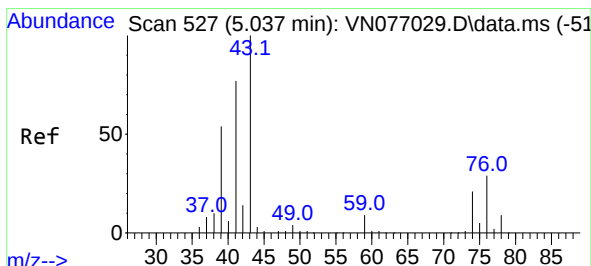
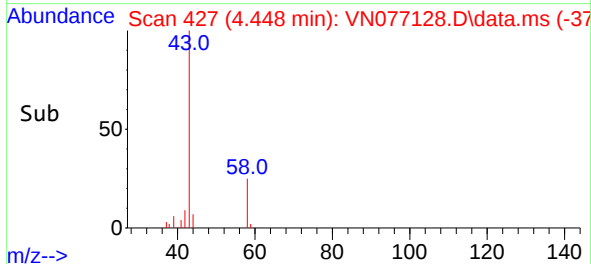
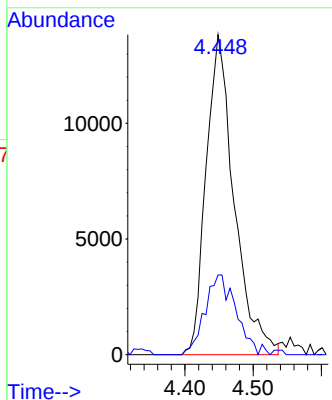
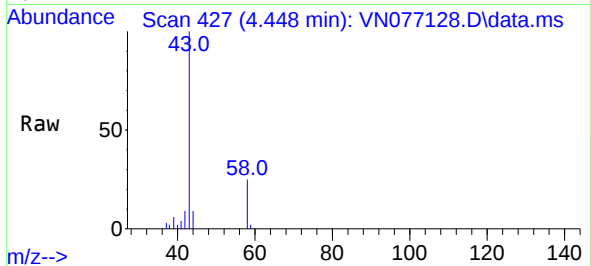




#16
Acetone
Concen: 13.697 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

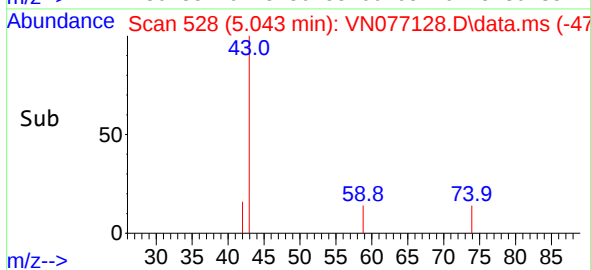
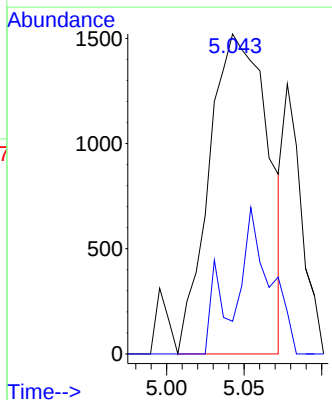
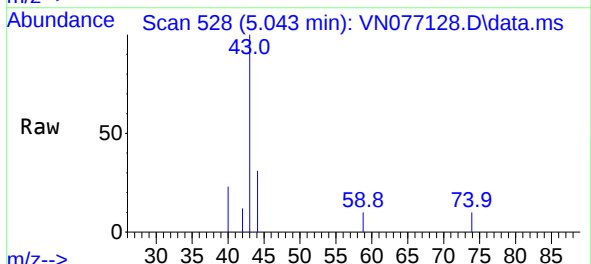
Instrument :
MSVOA_N
ClientSampleId :

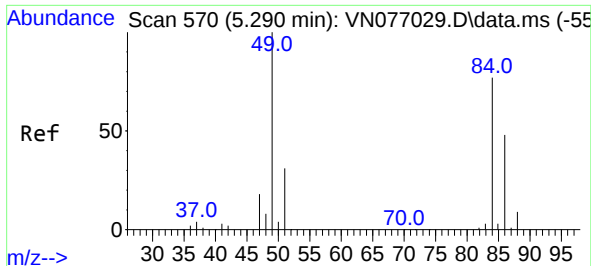
Tgt Ion: 43 Resp: 39630
Ion Ratio Lower Upper
43 100
58 24.9 25.4 38.0#



#18
Methyl Acetate
Concen: 0.367 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

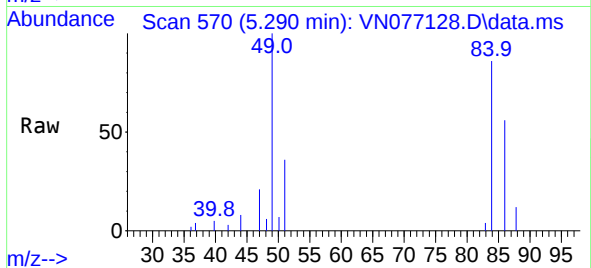
Tgt Ion: 43 Resp: 4003
Ion Ratio Lower Upper
43 100
74 20.6 17.7 26.5





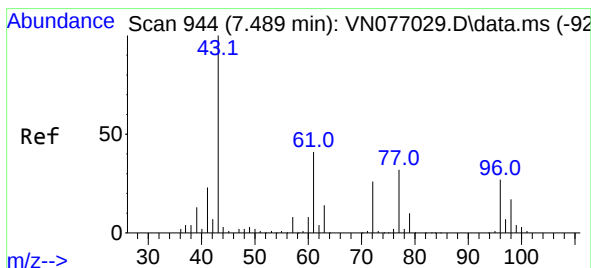
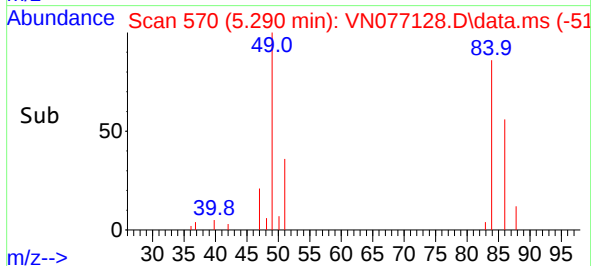
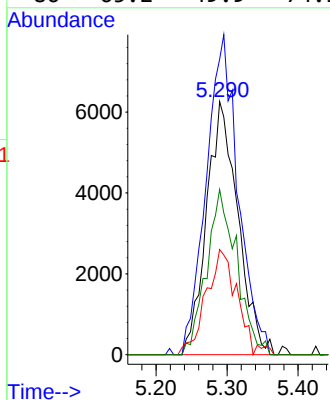
#20
Methylene Chloride
Concen: 3.060 ug/l
RT: 5.290 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 19214

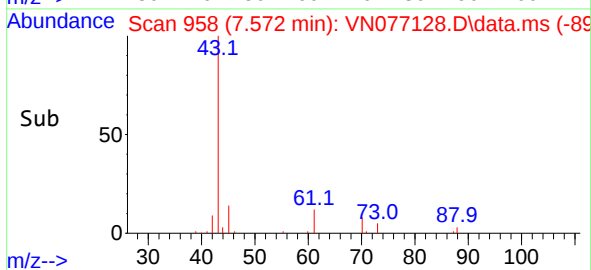
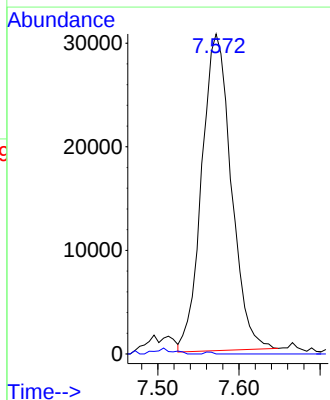
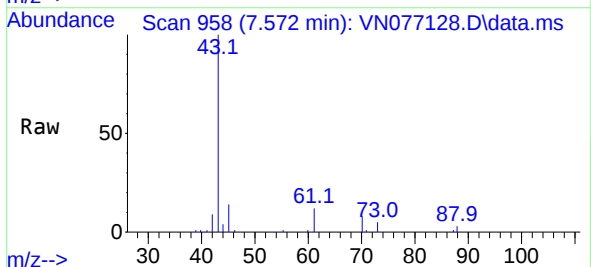
Ion	Ratio	Lower	Upper
84	100		
49	116.7	103.8	155.6
51	41.5	32.3	48.5
86	65.2	49.9	74.9

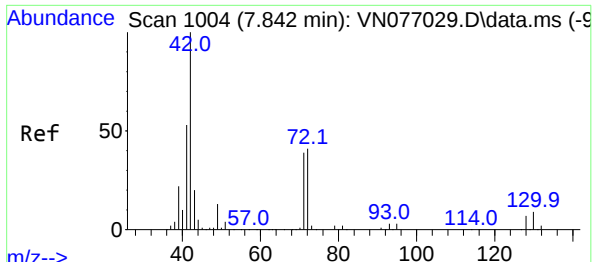


#25
2-Butanone
Concen: 18.267 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.083 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Tgt Ion: 43 Resp: 77316

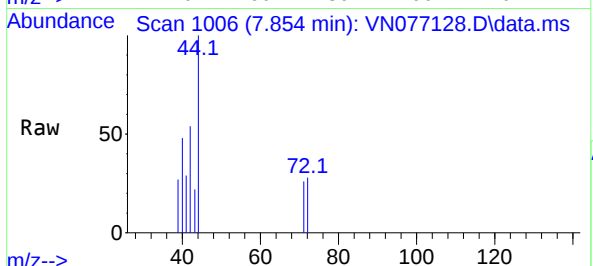
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.7	31.1#





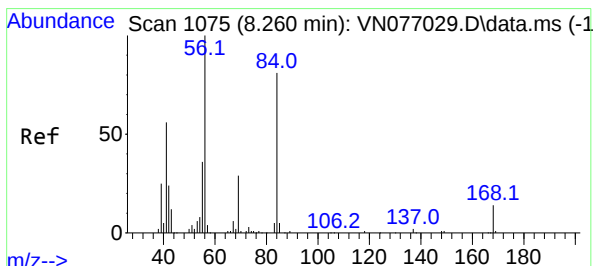
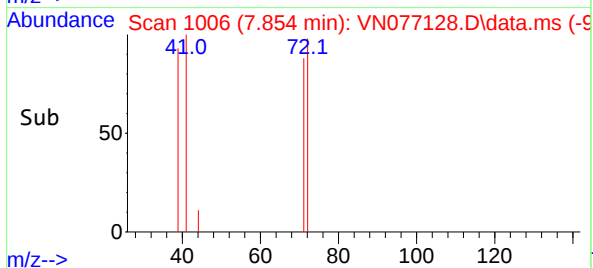
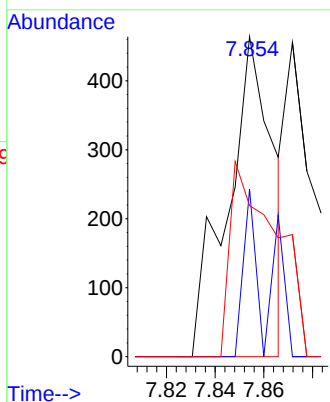
#29
Tetrahydrofuran
Concen: 0.219 ug/l
RT: 7.854 min Scan# 1006
Delta R.T. 0.012 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 42 Resp: 602

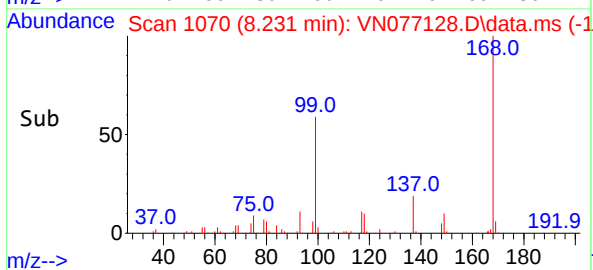
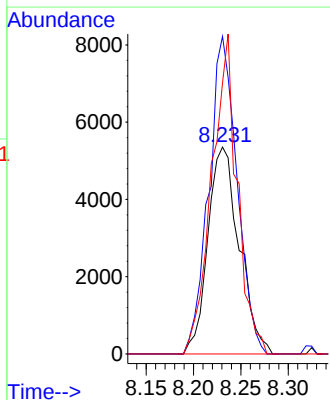
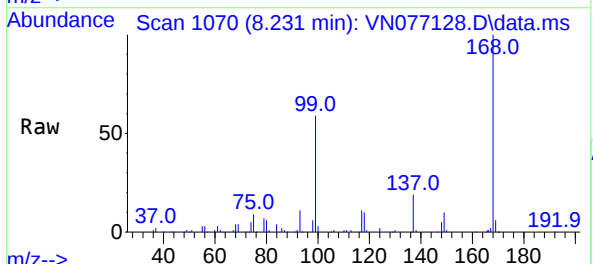
Ion	Ratio	Lower	Upper
42	100		
72	26.2	33.2	49.8#
71	62.0	31.0	46.4#

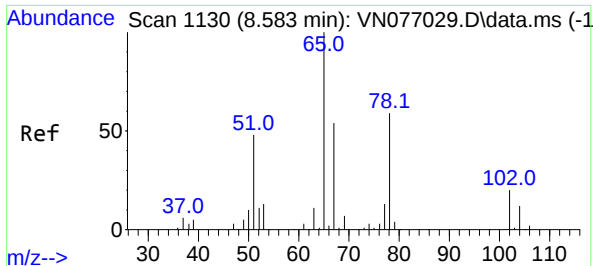


#31
Cyclohexane
Concen: 1.162 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.029 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Tgt Ion: 56 Resp: 12347

Ion	Ratio	Lower	Upper
56	100		
69	153.5	22.8	34.2#
84	131.0	64.7	97.1#

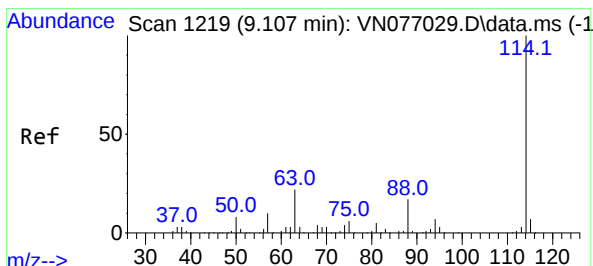
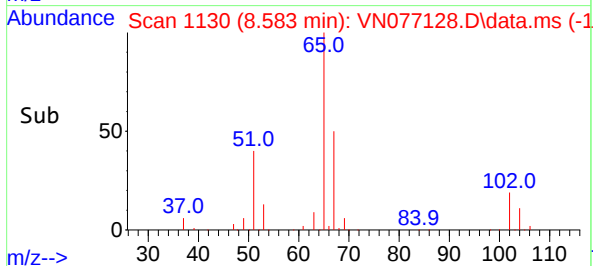
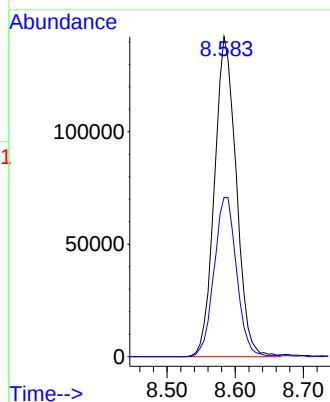
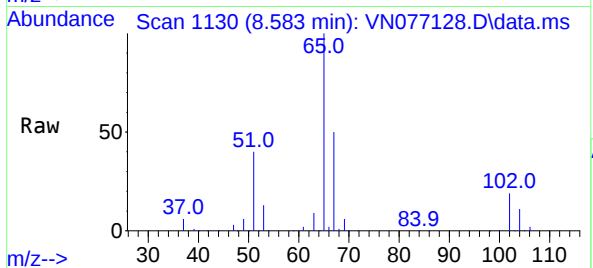




#33
1,2-Dichloroethane-d4
Concen: 48.734 ug/l
RT: 8.583 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

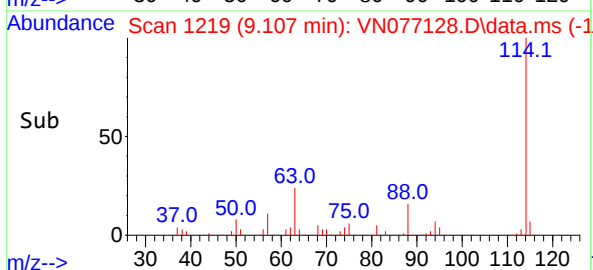
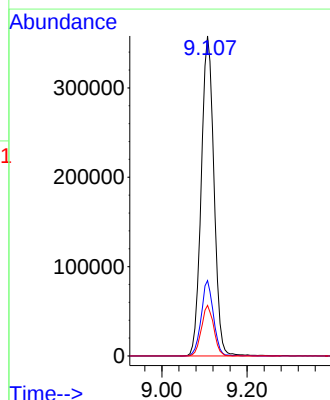
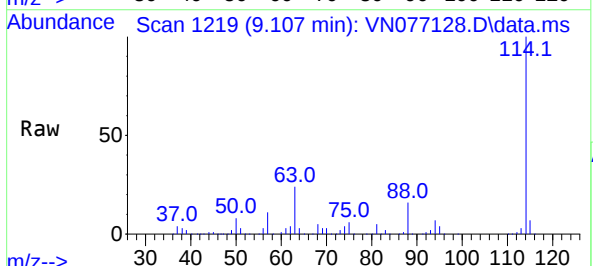
Instrument :
MSVOA_N
ClientSampleId :

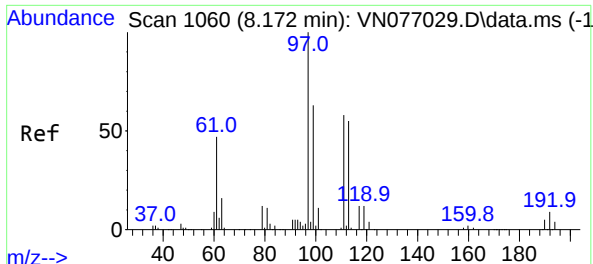
Tgt Ion: 65 Resp: 316448
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Tgt Ion: 114 Resp: 741213
Ion Ratio Lower Upper
114 100
63 23.6 0.0 44.6
88 15.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 45.303 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VN077128.D

Acq: 23 Mar 2023 05:23

Instrument :

MSVOA_N

ClientSampleId :

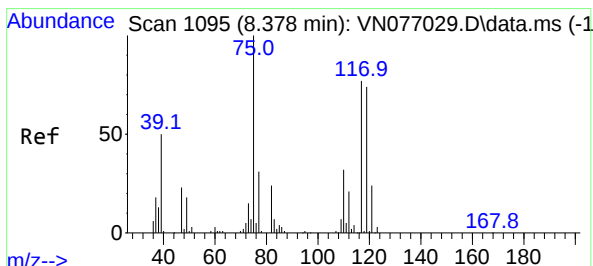
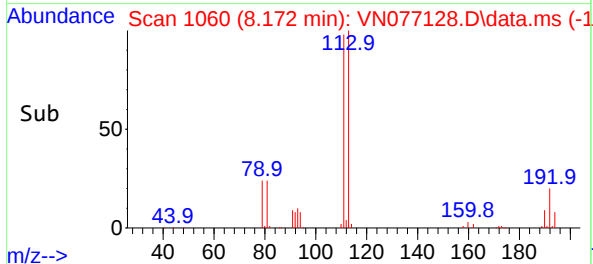
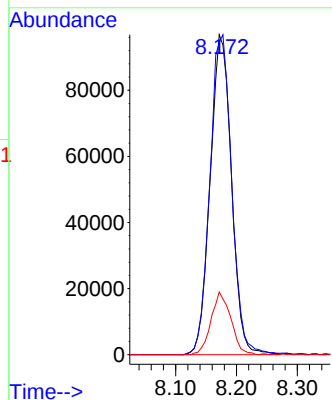
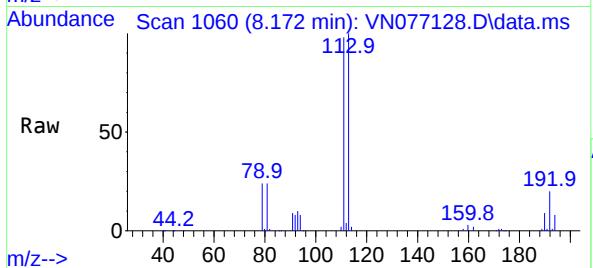
Tgt Ion:113 Resp: 235158

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.2

192 18.3 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.664 ug/l

RT: 8.231 min Scan# 1070

Delta R.T. -0.147 min

Lab File: VN077128.D

Acq: 23 Mar 2023 05:23

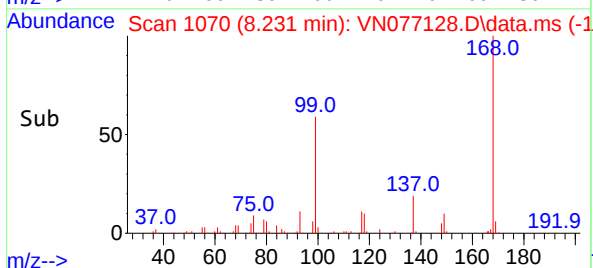
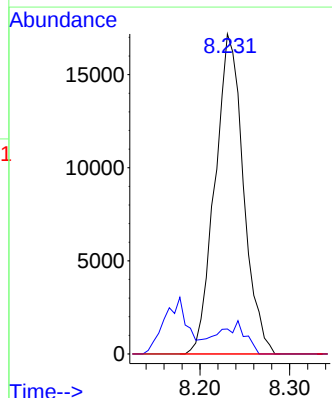
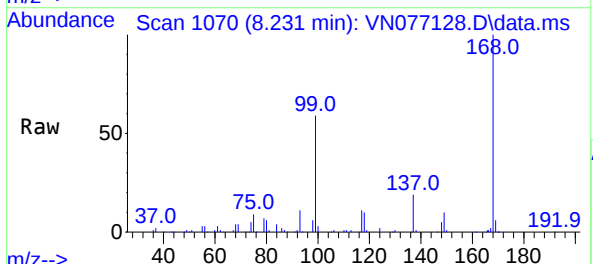
Tgt Ion: 75 Resp: 37813

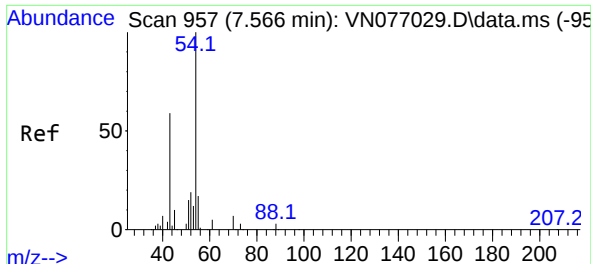
Ion Ratio Lower Upper

75 100

110 10.0 15.9 47.7#

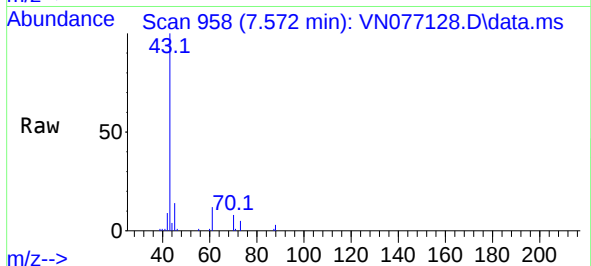
77 0.0 24.3 36.5#



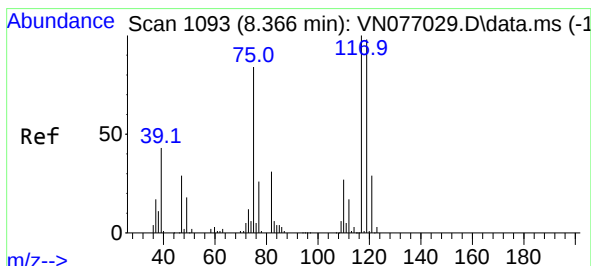
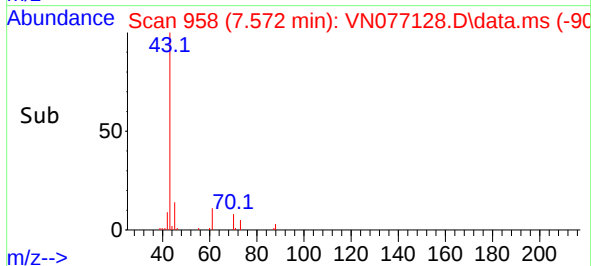
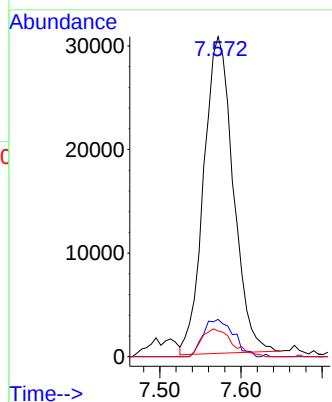


#37
Ethyl Acetate
Concen: 8.913 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Instrument :
MSVOA_N
ClientSampleId :

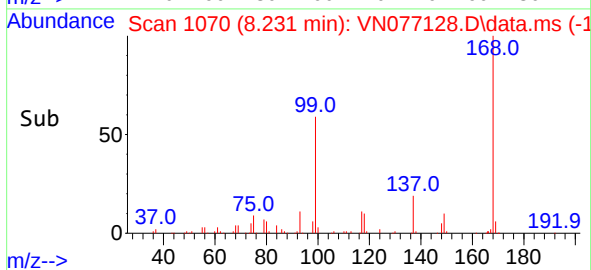
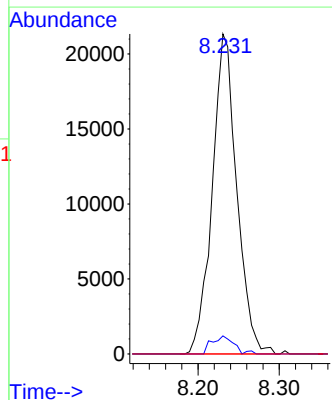
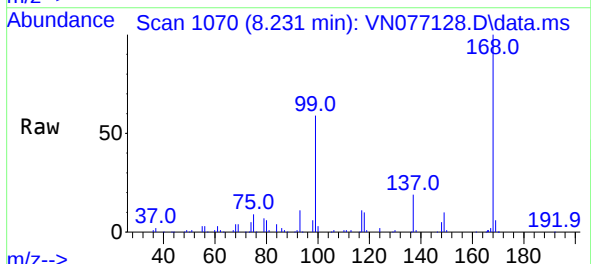


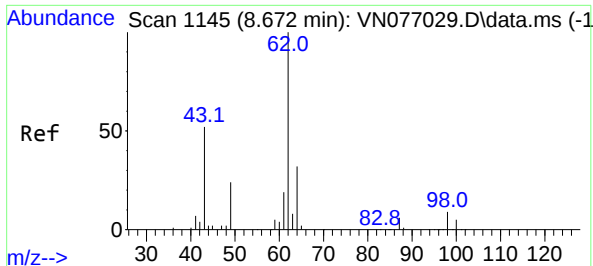
Tgt Ion: 43 Resp: 77316
Ion Ratio Lower Upper
43 100
61 12.1 11.0 16.6
70 9.1 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.135 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Tgt Ion: 117 Resp: 44820
Ion Ratio Lower Upper
117 100
119 5.6 78.2 117.2#
121 0.0 23.2 34.8#

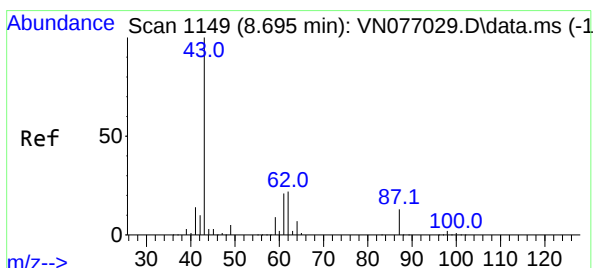
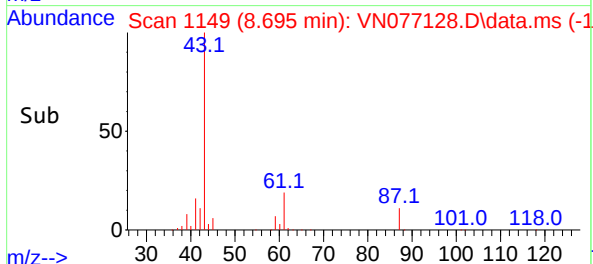
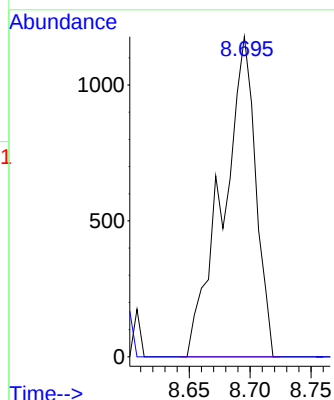
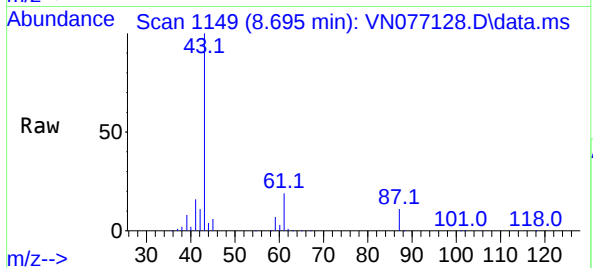




#42
1,2-Dichloroethane
Concen: 0.249 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.024 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

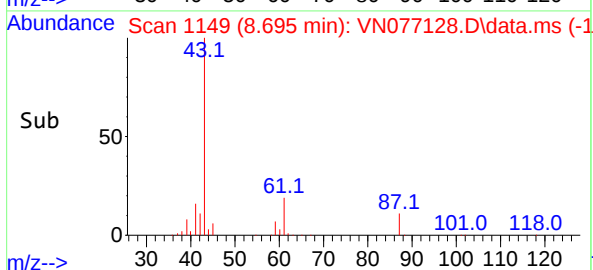
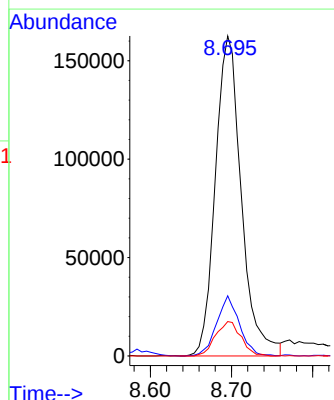
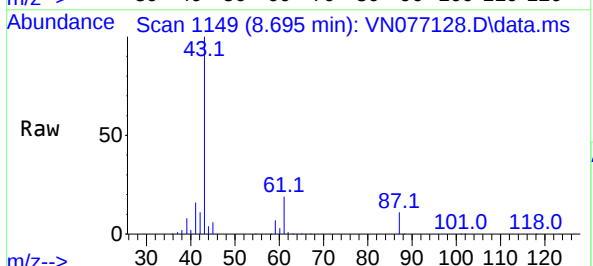
Instrument :
MSVOA_N
ClientSampleId :

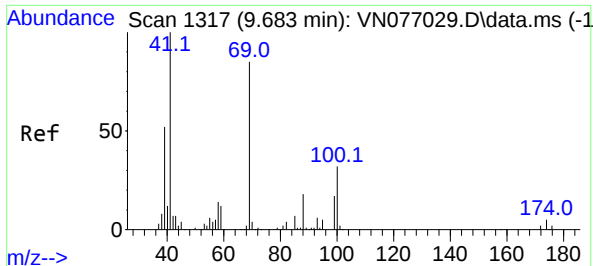
Tgt Ion: 62 Resp: 2215
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.4



#43
Isopropyl Acetate
Concen: 26.680 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Tgt Ion: 43 Resp: 361537
Ion Ratio Lower Upper
43 100
61 16.6 20.6 30.8#
87 10.5 10.0 15.0

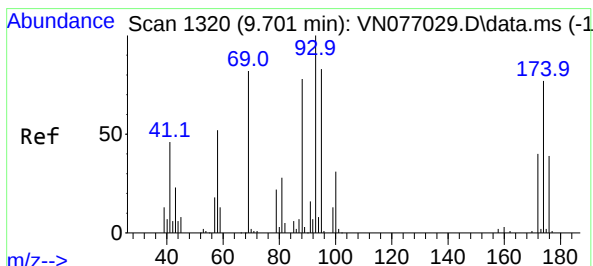
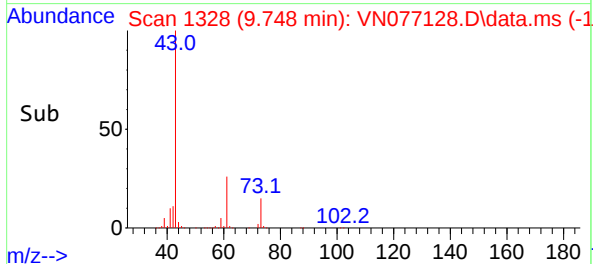
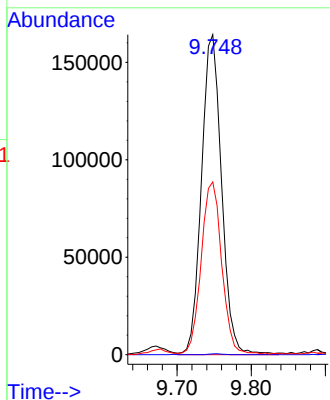
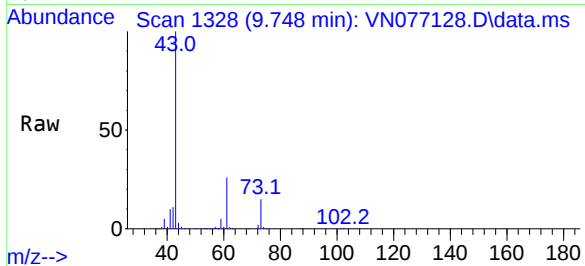




#48
Methyl methacrylate
Concen: 47.748 ug/l
RT: 9.748 min Scan# 1317
Delta R.T. 0.065 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

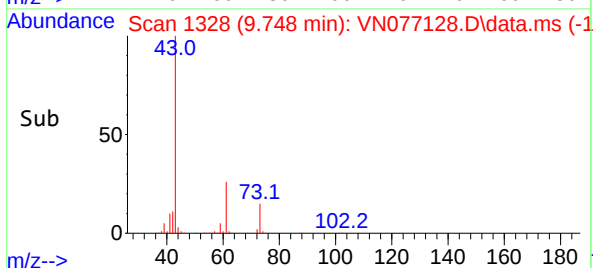
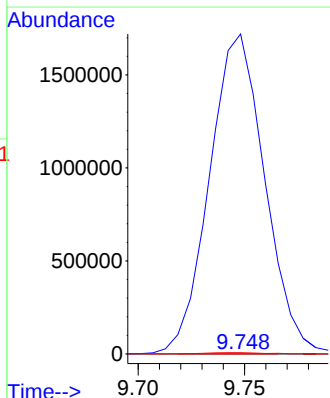
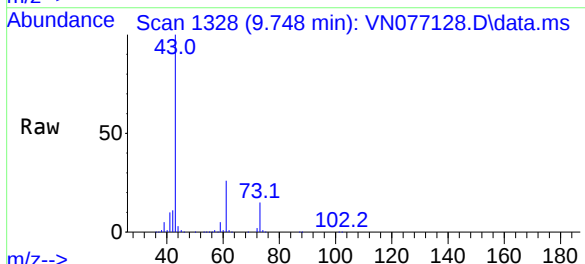
Instrument :
MSVOA_N
ClientSampleId :

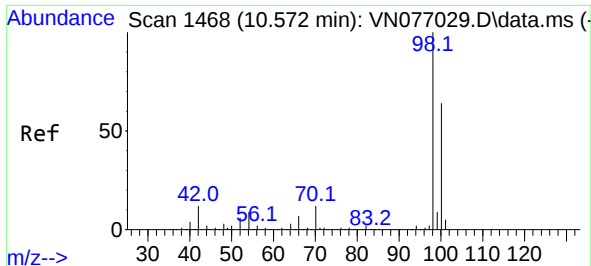
Tgt Ion: 41 Resp: 309330
Ion Ratio Lower Upper
41 100
69 0.2 64.3 96.5#
39 54.9 43.2 64.8



#49
1,4-Dioxane
Concen: 2.576 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.047 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

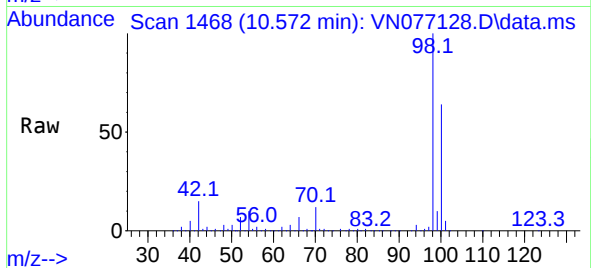
Tgt Ion: 88 Resp: 285
Ion Ratio Lower Upper
88 100
43 1101556.5 22.2 33.2#
58 4604.2 60.8 91.2#



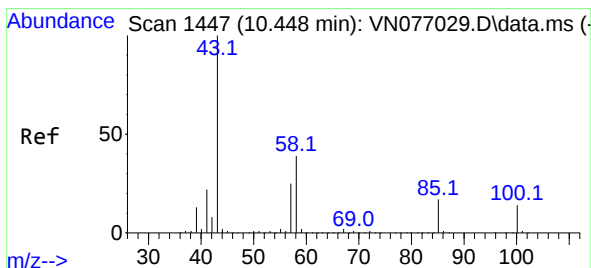
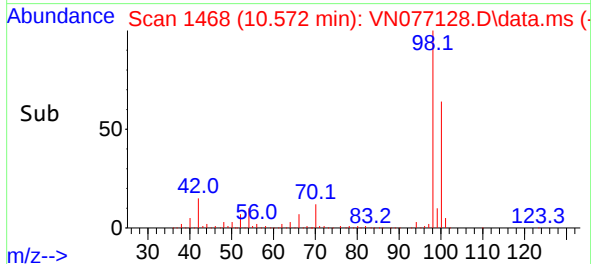
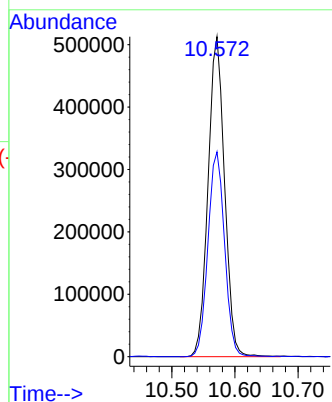


#50
Toluene-d8
Concen: 50.299 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Instrument :
MSVOA_N
ClientSampleId :

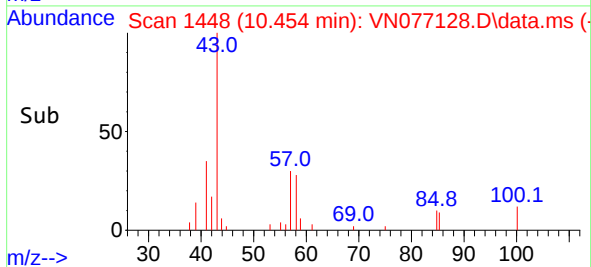
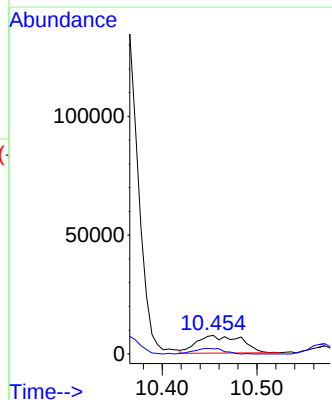
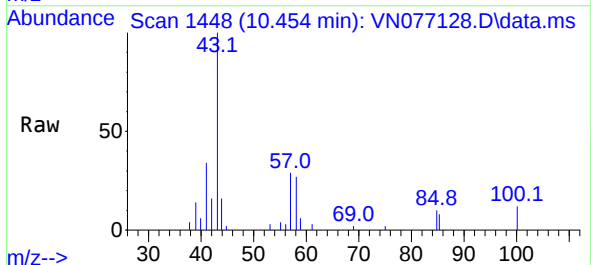


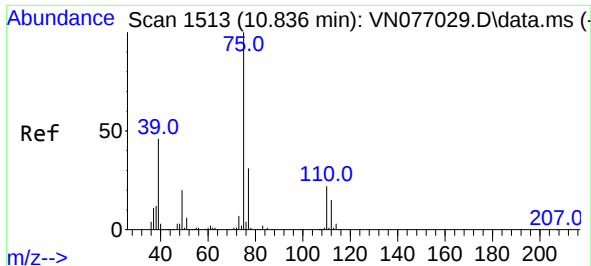
Tgt Ion: 98 Resp: 932658
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 2.865 ug/l
RT: 10.454 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

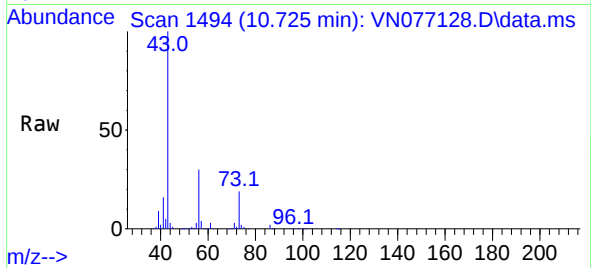
Tgt Ion: 43 Resp: 24178
Ion Ratio Lower Upper
43 100
58 21.6 31.1 46.7#



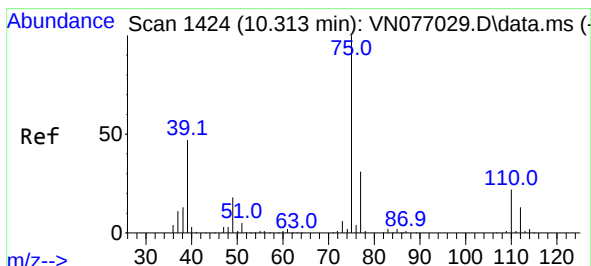
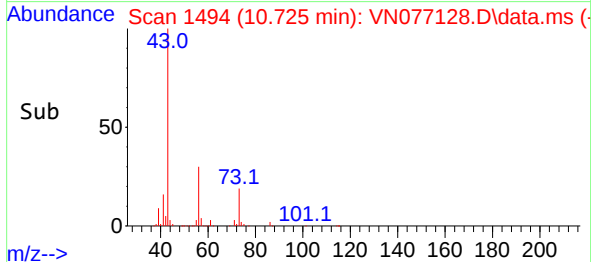
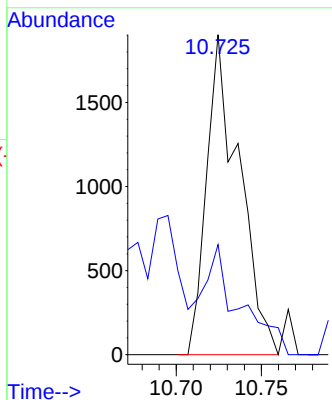


#53
t-1,3-Dichloropropene
Concen: 0.298 ug/l
RT: 10.725 min Scan# 1494
Delta R.T. -0.112 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Instrument :
MSVOA_N
ClientSampleId :

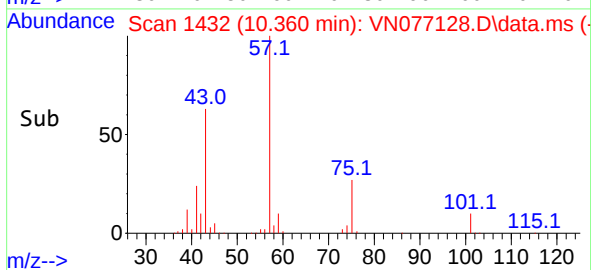
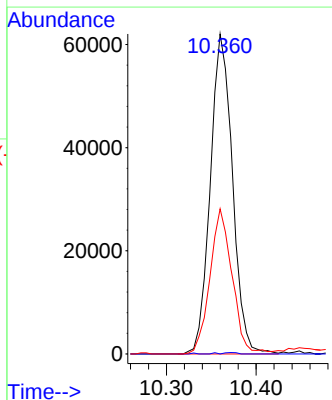
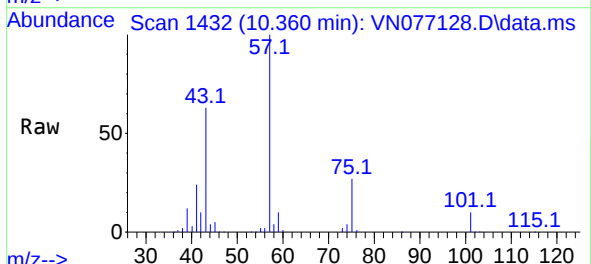


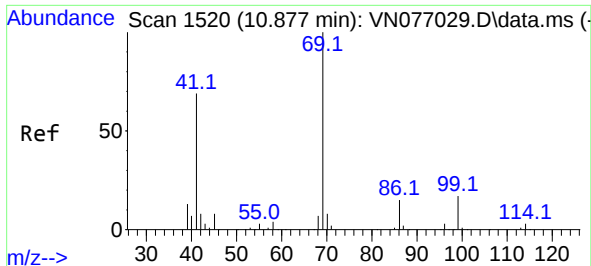
Tgt Ion: 75 Resp: 2520
Ion Ratio Lower Upper
75 100
77 26.0 25.1 37.7



#54
cis-1,3-Dichloropropene
Concen: 11.131 ug/l
RT: 10.360 min Scan# 1432
Delta R.T. 0.047 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Tgt Ion: 75 Resp: 106330
Ion Ratio Lower Upper
75 100
77 0.0 24.5 36.7#
39 45.4 37.8 56.6





#56

Ethyl methacrylate

Concen: 0.450 ug/l

RT: 10.983 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN077128.D

Acq: 23 Mar 2023 05:23

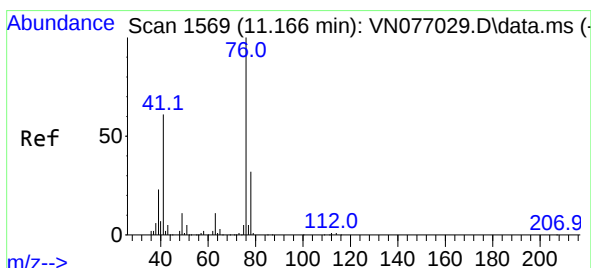
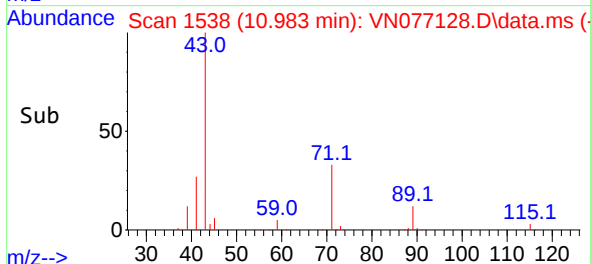
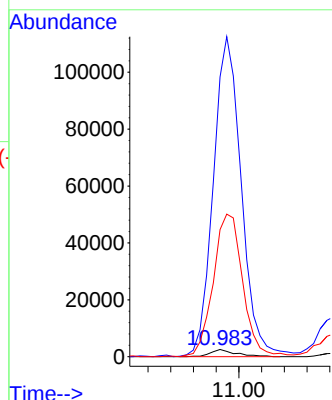
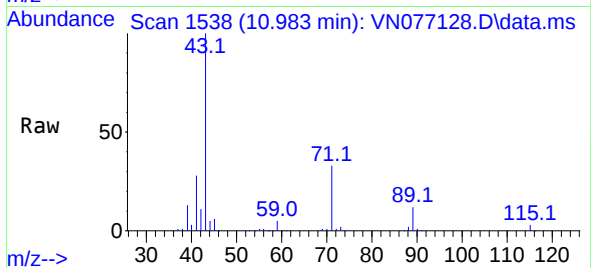
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 69 Resp: 3920

Ion	Ratio	Lower	Upper
69	100		
41	4923.8	54.9	82.3#
39	2307.8	26.6	40.0#



#57

1,3-Dichloropropane

Concen: 1.219 ug/l

RT: 11.207 min Scan# 1576

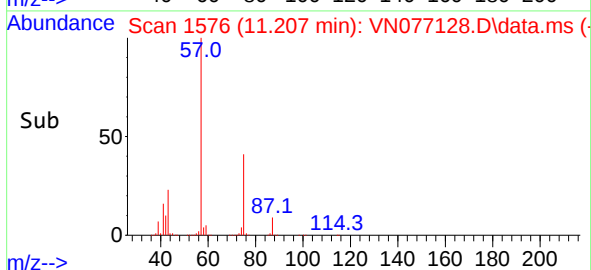
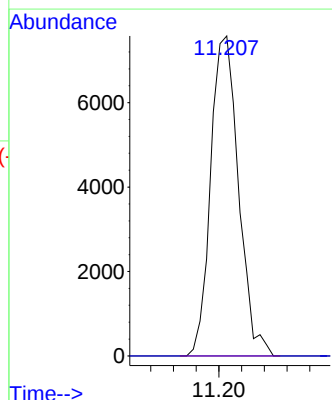
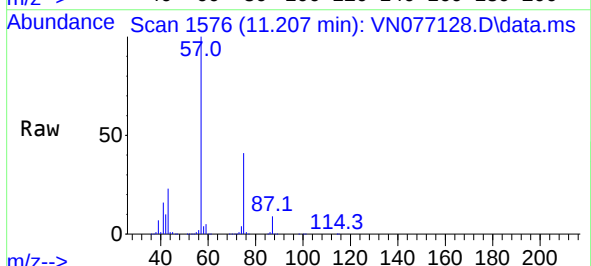
Delta R.T. 0.041 min

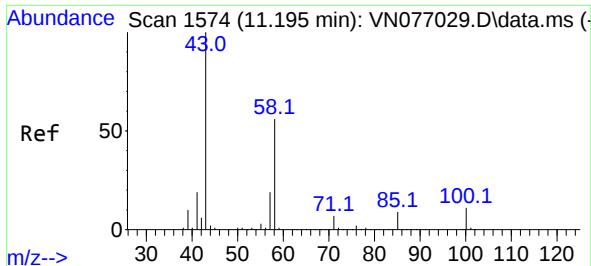
Lab File: VN077128.D

Acq: 23 Mar 2023 05:23

Tgt Ion: 76 Resp: 12916

Ion	Ratio	Lower	Upper
76	100		
78	0.0	25.3	37.9#

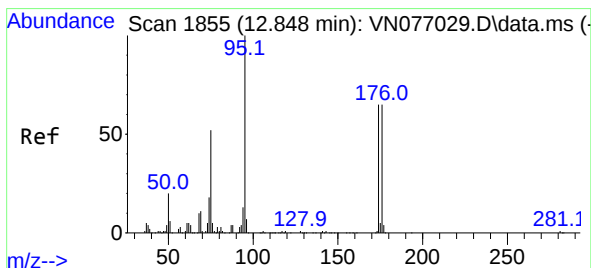
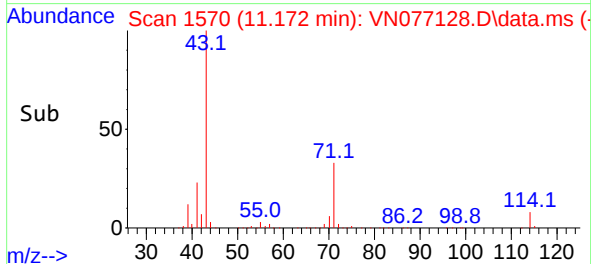
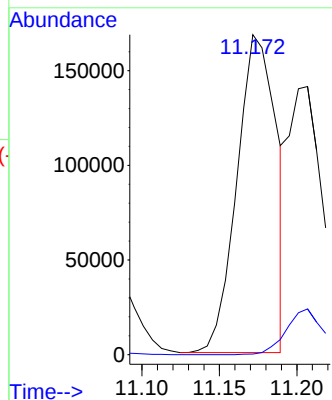
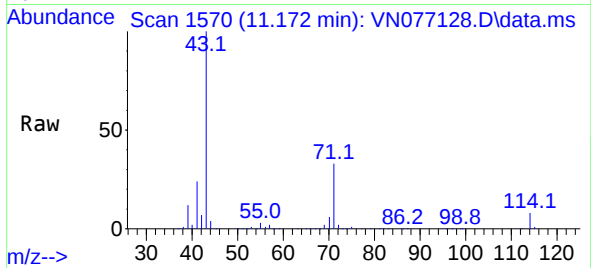




#59
2-Hexanone
Concen: 48.404 ug/l
RT: 11.172 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

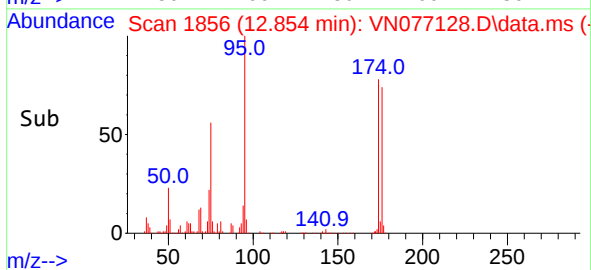
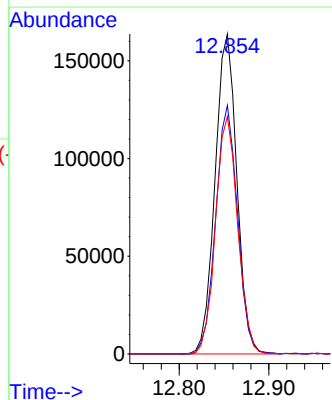
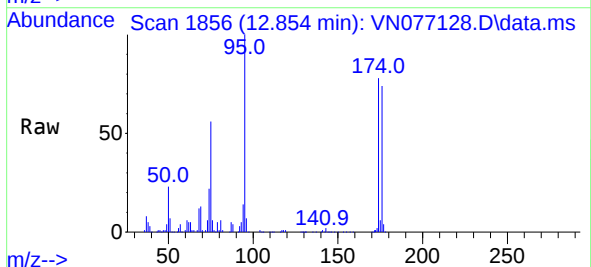
Instrument :
MSVOA_N
ClientSampleId :

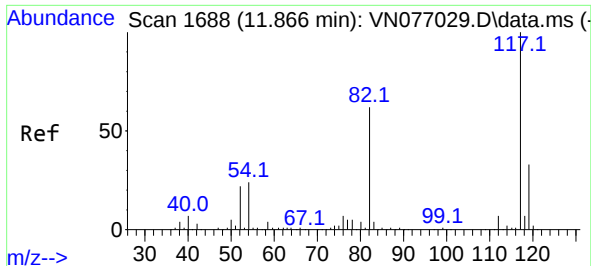
Tgt Ion: 43 Resp: 296260
Ion Ratio Lower Upper
43 100
58 0.0 27.7 83.1#



#62
4-Bromofluorobenzene
Concen: 42.233 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Tgt Ion: 95 Resp: 276720
Ion Ratio Lower Upper
95 100
174 77.7 0.0 136.6
176 75.0 0.0 130.0

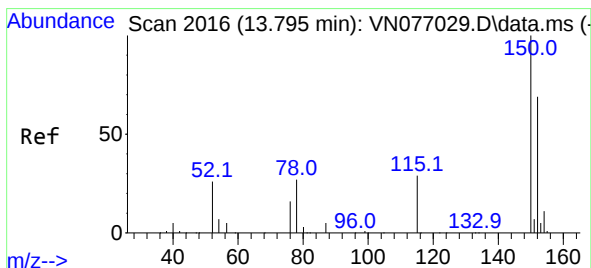
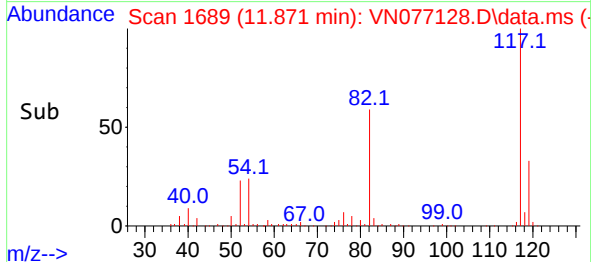
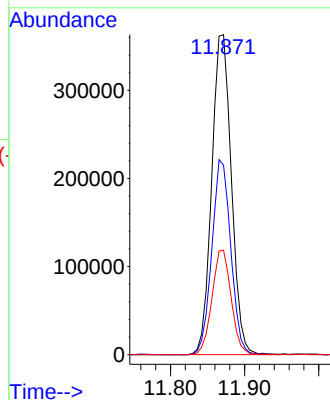
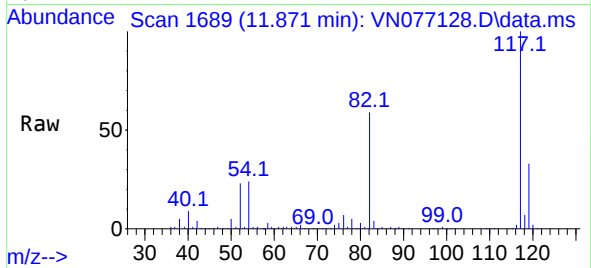




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

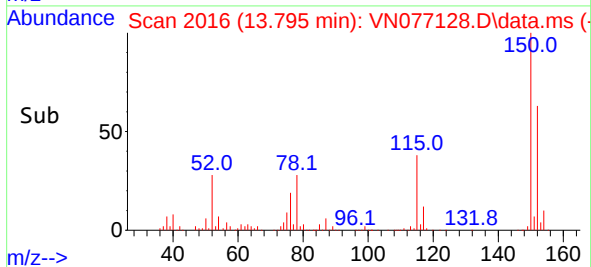
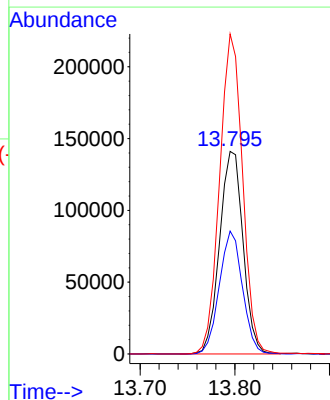
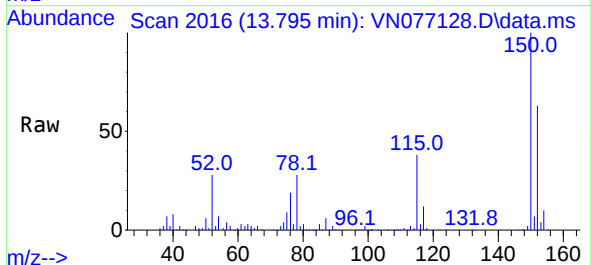
Instrument :
MSVOA_N
ClientSampleId :

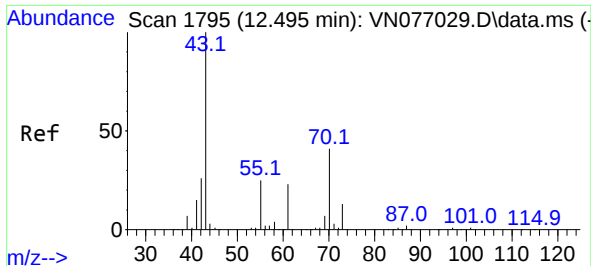
Tgt Ion:117 Resp: 669180
Ion Ratio Lower Upper
117 100
82 59.2 49.4 74.0
119 32.7 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

Tgt Ion:152 Resp: 243268
Ion Ratio Lower Upper
152 100
115 59.7 31.9 95.7
150 154.5 0.0 348.0

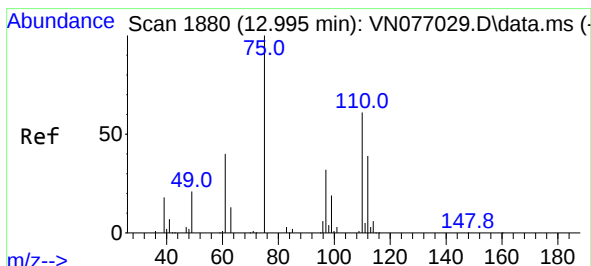
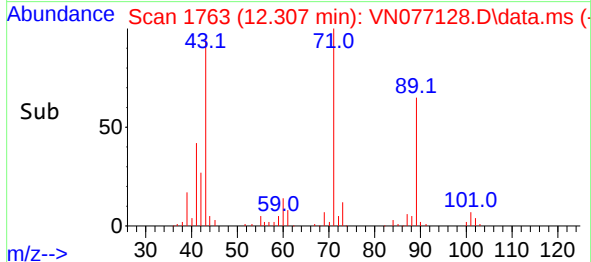
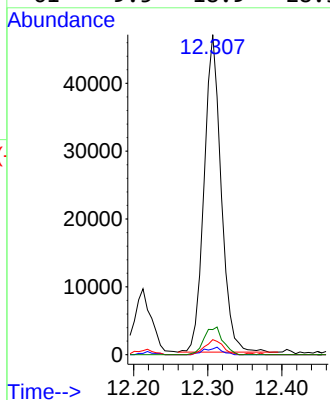
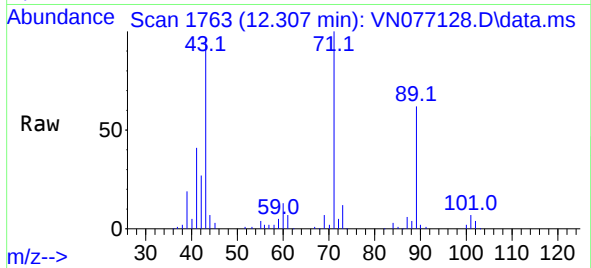




#74
N-amy1 acetate
Concen: 7.928 ug/l
RT: 12.307 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

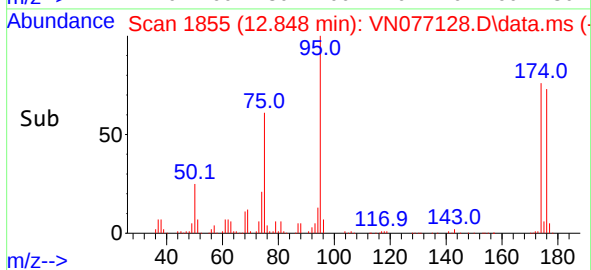
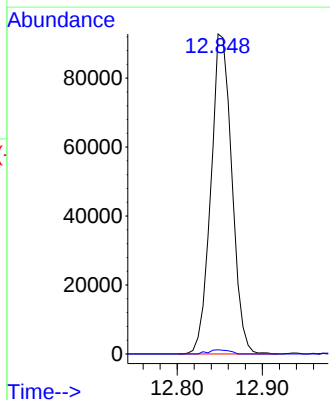
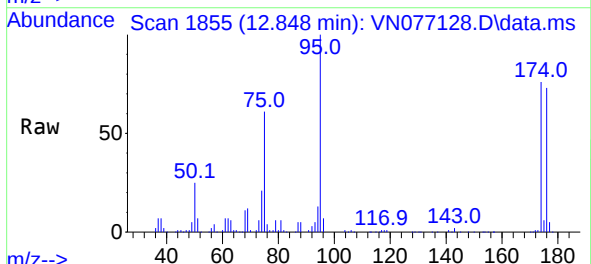
Instrument :
MSVOA_N
ClientSampleId :

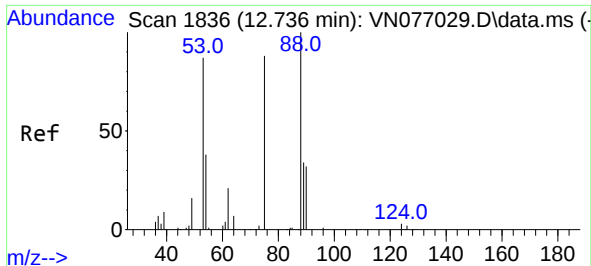
Tgt Ion:	43	Resp:	74812
Ion	Ratio	Lower	Upper
43	100		
70	2.4	33.6	50.4#
55	5.0	20.3	30.5#
61	9.5	18.9	28.3#



#76
1,2,3-Trichloropropane
Concen: 25.223 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.147 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

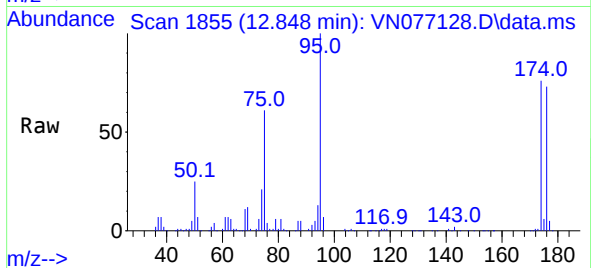
Tgt Ion:	75	Resp:	158717
Ion	Ratio	Lower	Upper
75	100		
77	1.3	107.3	322.0#



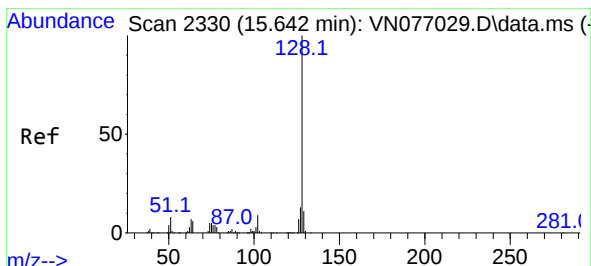
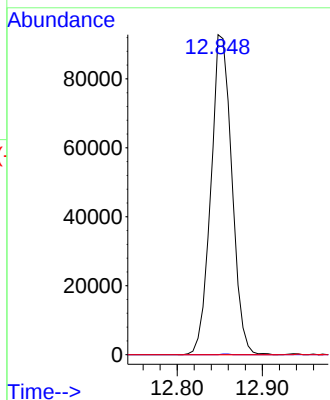
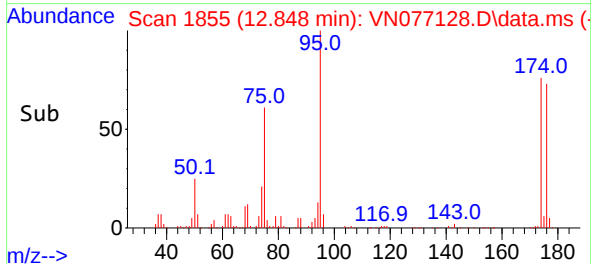


#81
trans-1,4-Dichloro-2-butene
Concen: 69.429 ug/l
RT: 12.848 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23

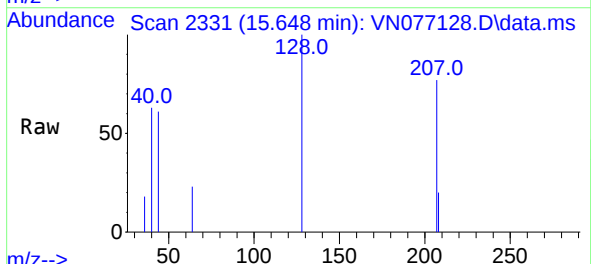
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 158717
Ion Ratio Lower Upper
75 100
53 0.1 80.8 121.2#
89 0.0 34.2 51.4#



#95
Naphthalene
Concen: 2.008 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. 0.006 min
Lab File: VN077128.D
Acq: 23 Mar 2023 05:23



Tgt Ion: 128 Resp: 1621
Ion Ratio Lower Upper
128 100
127 0.0 10.0 15.0#
129 0.0 8.6 13.0#

