

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
 Data File : VN077129.D
 Acq On : 23 Mar 2023 05:47
 Operator : JC\MD
 Sample : PB151586ZHE005
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 23 09:29:52 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	8.236	168	378900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	683697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	603644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	224322	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	283373	46.821	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.640%
35) Dibromofluoromethane	8.172	113	218949	45.729	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.460%
50) Toluene-d8	10.572	98	852508	49.844	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.680%
62) 4-Bromofluorobenzene	12.854	95	256385	42.422	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	84.840%

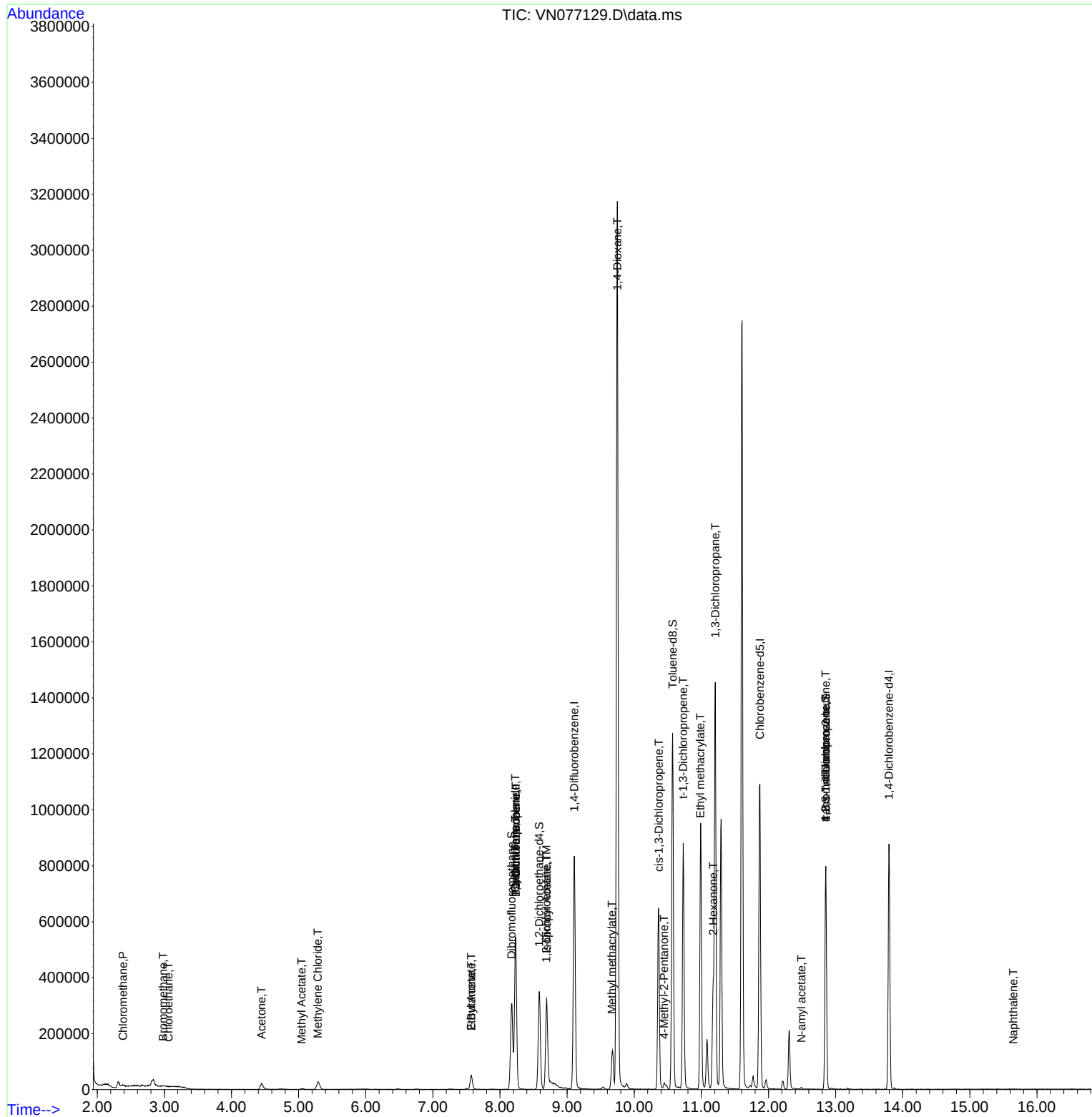
Target Compounds						Qvalue
3) Chloromethane	2.384	50	1594	0.418	ug/l #	76
5) Bromomethane	2.978	94	888	0.319	ug/l #	61
6) Chloroethane	3.060	64	791	0.303	ug/l #	42
16) Acetone	4.448	43	38950	14.443	ug/l	92
18) Methyl Acetate	5.043	43	2882	0.283	ug/l #	54
20) Methylene Chloride	5.284	84	18631	3.183	ug/l	99
25) 2-Butanone	7.572	43	78511	19.902	ug/l #	49
31) Cyclohexane	8.231	56	11095	1.120	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	35210	4.708	ug/l #	52
37) Ethyl Acetate	7.572	43	78511	9.812	ug/l #	95
38) Carbon Tetrachloride	8.231	117	42209	5.795	ug/l #	15
42) 1,2-Dichloroethane	8.689	62	2702	0.330	ug/l #	76
43) Isopropyl Acetate	8.695	43	381234	30.500	ug/l #	85
48) Methyl methacrylate	9.666	41	9958	1.666	ug/l #	44
49) 1,4-Dioxane	9.748	88	555	5.438	ug/l #	1
51) 4-Methyl-2-Pentanone	10.442	43	24675	3.170	ug/l #	69
53) t-1,3-Dichloropropene	10.730	75	1723	0.221	ug/l #	83
54) cis-1,3-Dichloropropene	10.366	75	102036	11.580	ug/l #	74
56) Ethyl methacrylate	10.983	69	4265	0.531	ug/l #	1
57) 1,3-Dichloropropane	11.207	76	13999	1.432	ug/l #	43
59) 2-Hexanone	11.177	43	280362	49.660	ug/l #	24
74) N-amyl acetate	12.489	43	3720	0.428	ug/l #	45
76) 1,2,3-Trichloropropane	12.854	75	142831	24.616	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.854	75	142831	67.757	ug/l #	10
95) Naphthalene	15.648	128	1063	1.981	ug/l #	88

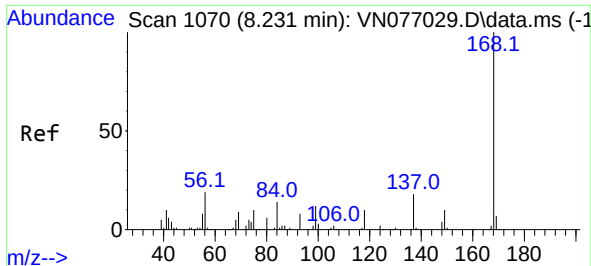
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032223\
Data File : VN077129.D
Acq On : 23 Mar 2023 05:47
Operator : JC\MD
Sample : PB151586ZHE005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Mar 23 09:29:52 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

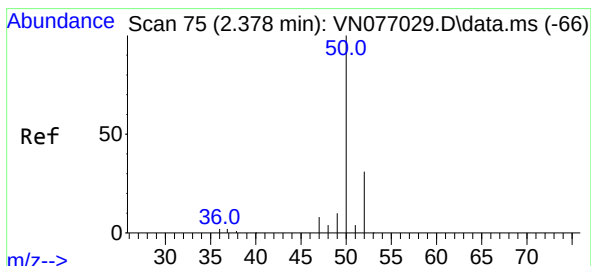
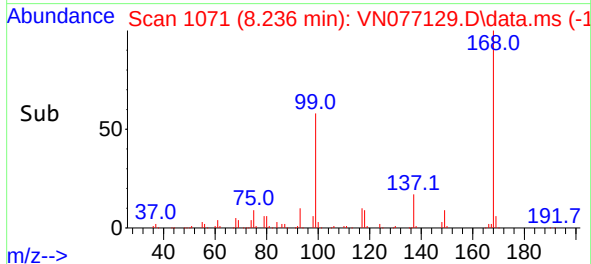
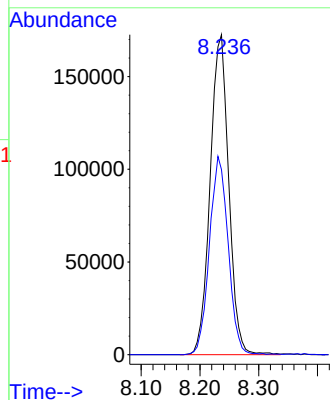
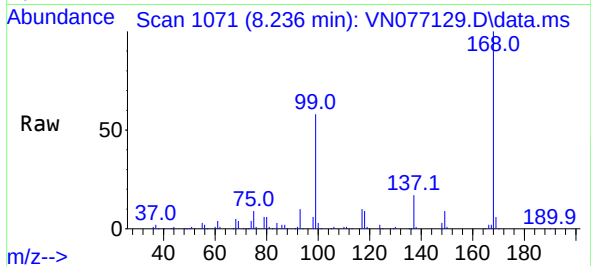




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

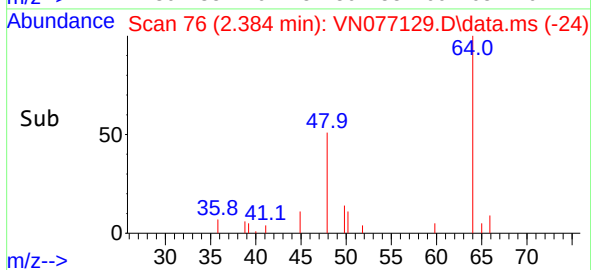
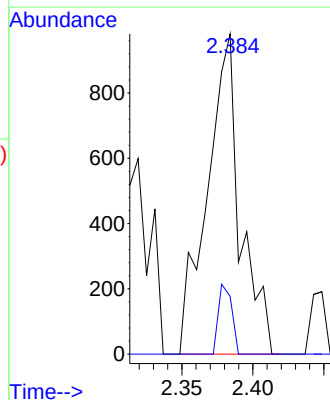
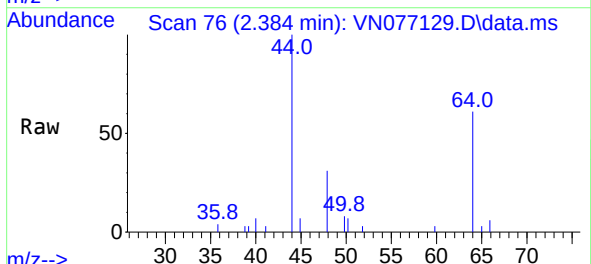
Instrument :
MSVOA_N
ClientSampleId :

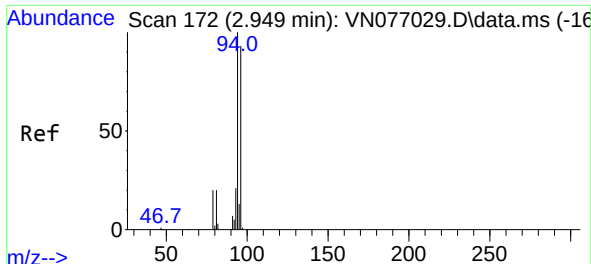
Tgt Ion:168 Resp: 378900
Ion Ratio Lower Upper
168 100
99 57.8 53.9 80.9



#3
Chloromethane
Concen: 0.418 ug/l
RT: 2.384 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion: 50 Resp: 1594
Ion Ratio Lower Upper
50 100
52 18.0 25.1 37.7#

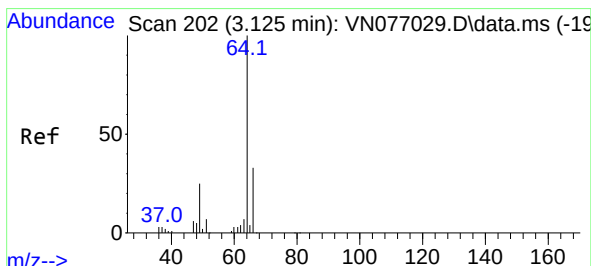
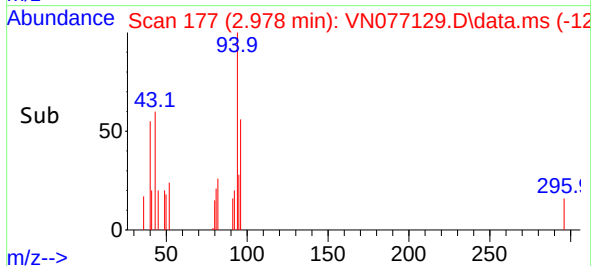
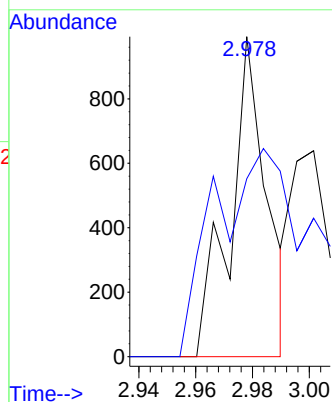
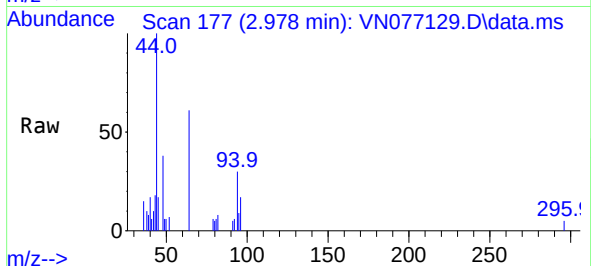




#5
Bromomethane
Concen: 0.319 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

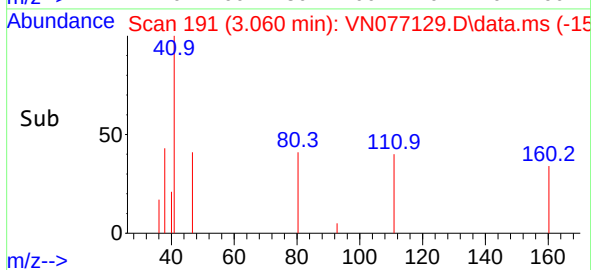
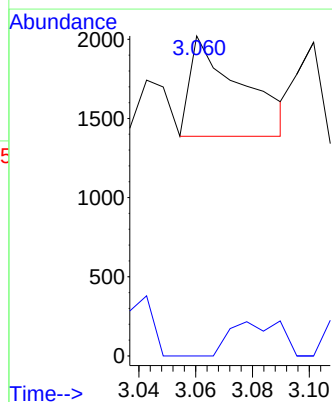
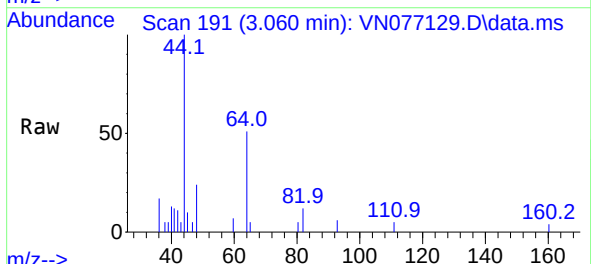
Instrument :
MSVOA_N
ClientSampleId :

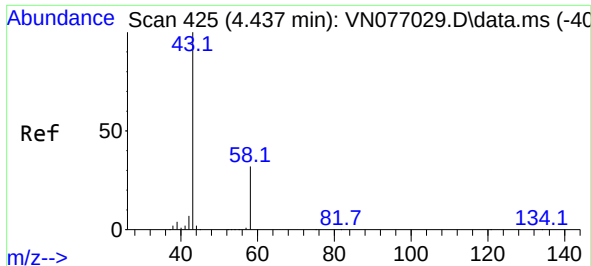
Tgt Ion: 94 Resp: 888
Ion Ratio Lower Upper
94 100
96 55.6 74.1 111.1#



#6
Chloroethane
Concen: 0.303 ug/l
RT: 3.060 min Scan# 191
Delta R.T. -0.065 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion: 64 Resp: 791
Ion Ratio Lower Upper
64 100
66 0.0 26.3 39.5#

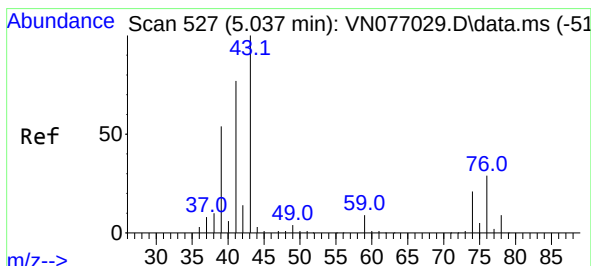
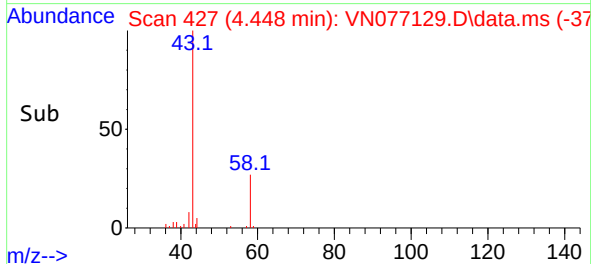
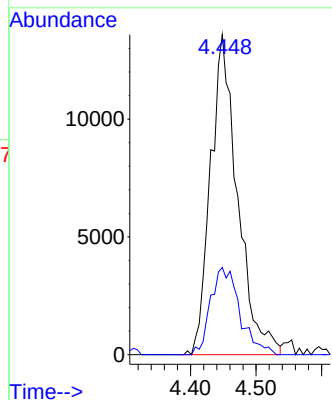
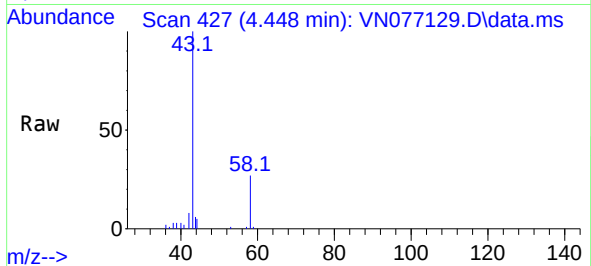




#16
Acetone
Concen: 14.443 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

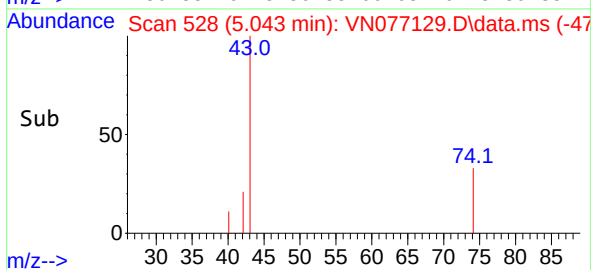
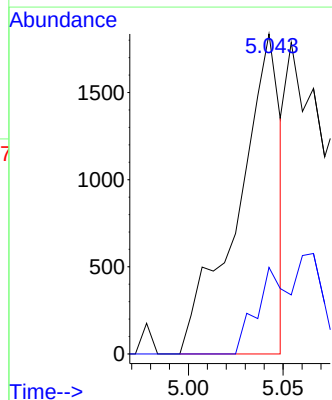
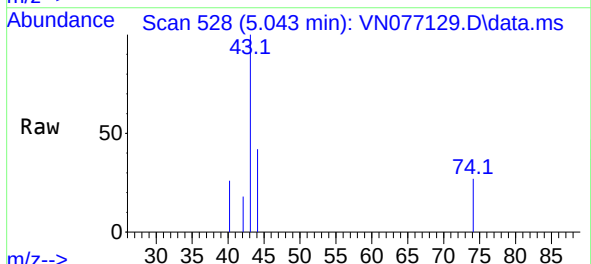
Instrument :
MSVOA_N
ClientSampleId :

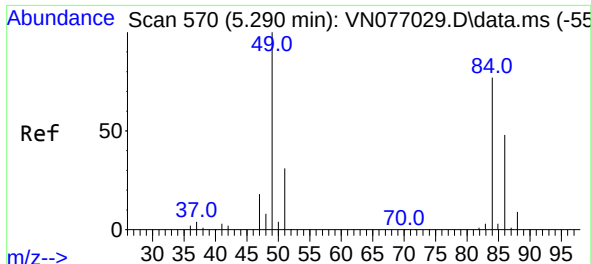
Tgt Ion: 43 Resp: 38950
Ion Ratio Lower Upper
43 100
58 27.3 25.4 38.0



#18
Methyl Acetate
Concen: 0.283 ug/l
RT: 5.043 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

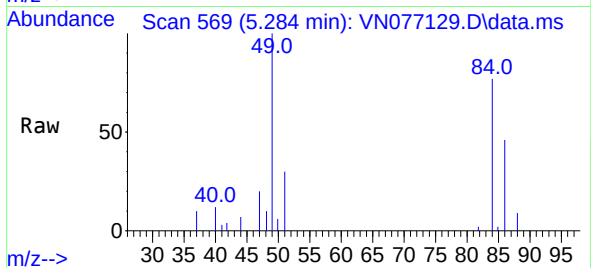
Tgt Ion: 43 Resp: 2882
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#





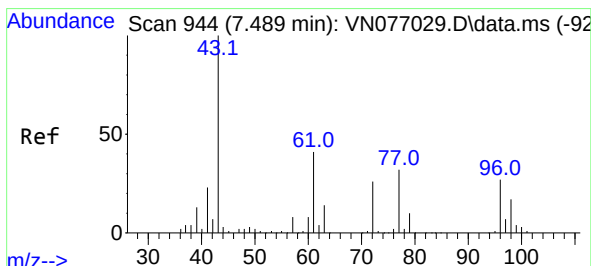
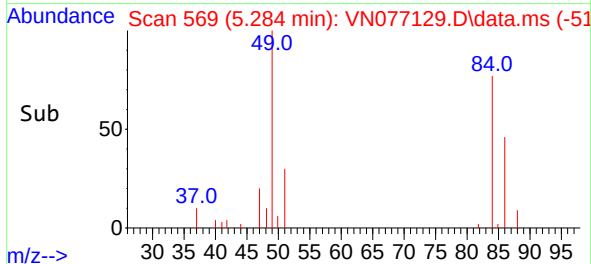
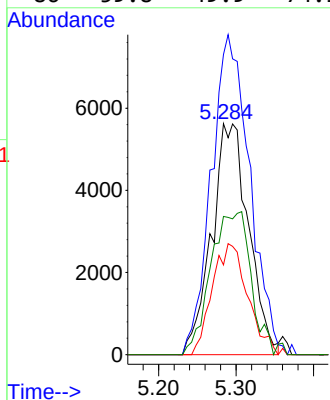
#20
Methylene Chloride
Concen: 3.183 ug/l
RT: 5.284 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 18631

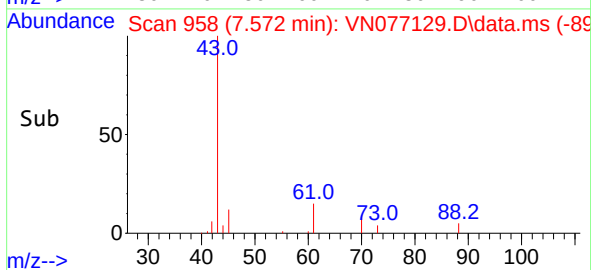
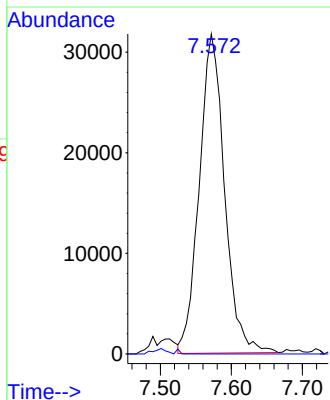
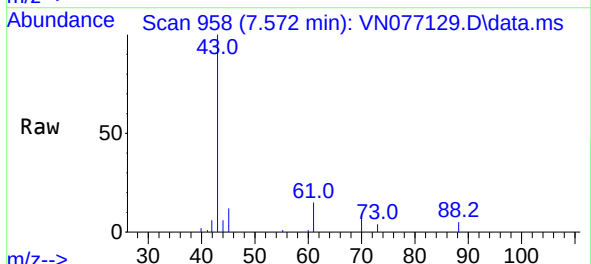
Ion	Ratio	Lower	Upper
84	100		
49	129.9	103.8	155.6
51	38.8	32.3	48.5
86	59.8	49.9	74.9

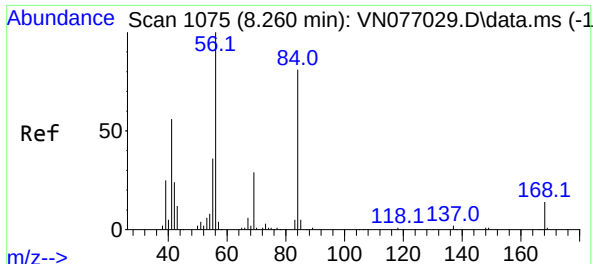


#25
2-Butanone
Concen: 19.902 ug/l
RT: 7.572 min Scan# 958
Delta R.T. 0.083 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion: 43 Resp: 78511

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.7	31.1#





#31

Cyclohexane

Concen: 1.120 ug/l

RT: 8.231 min Scan# 11095

Delta R.T. -0.029 min

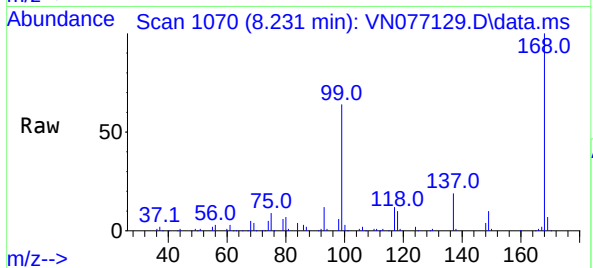
Lab File: VN077129.D

Acq: 23 Mar 2023 05:47

Instrument :

MSVOA_N

ClientSampleId :



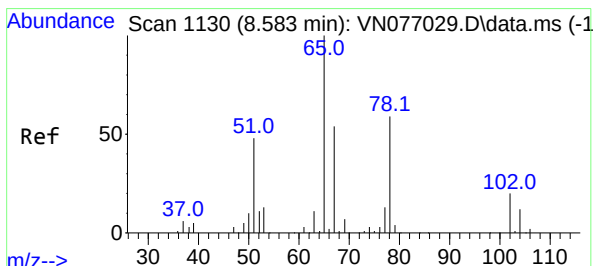
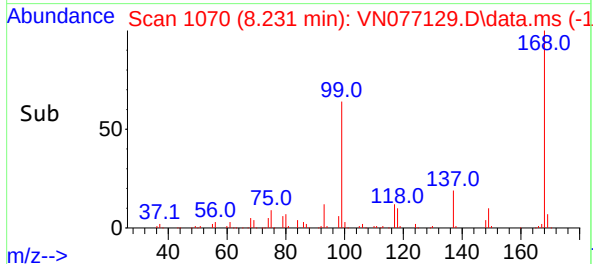
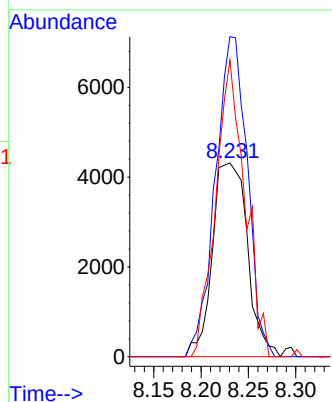
Tgt Ion: 56 Resp: 11095

Ion Ratio Lower Upper

56 100

69 165.2 22.8 34.2#

84 153.1 64.7 97.1#



#33

1,2-Dichloroethane-d4

Concen: 46.821 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. 0.001 min

Lab File: VN077129.D

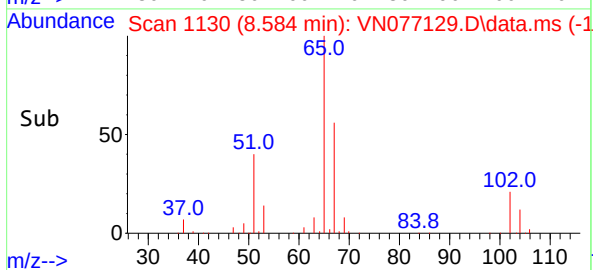
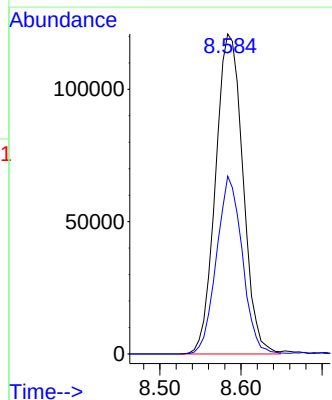
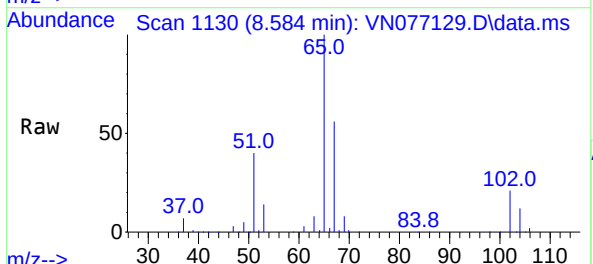
Acq: 23 Mar 2023 05:47

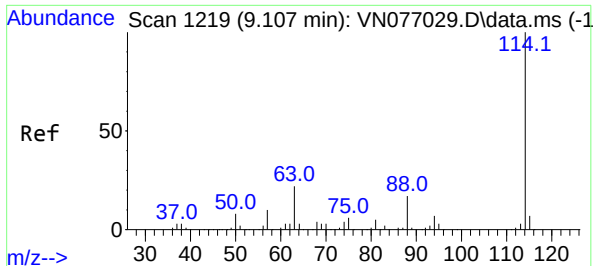
Tgt Ion: 65 Resp: 283373

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.2

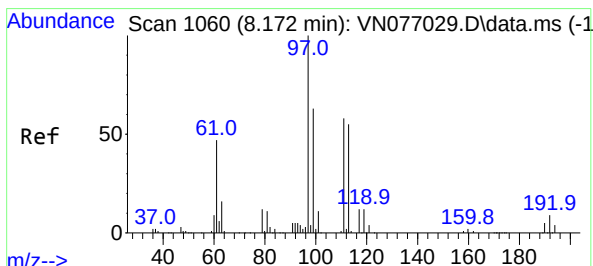
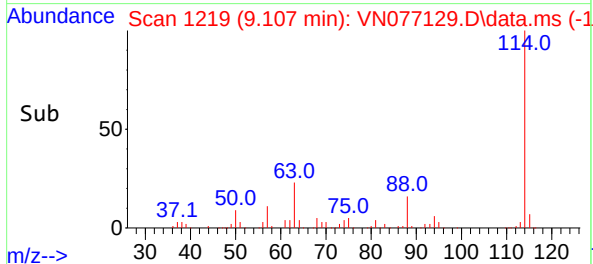
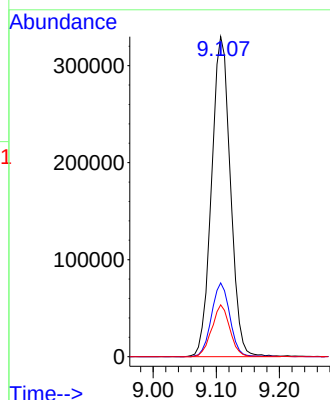
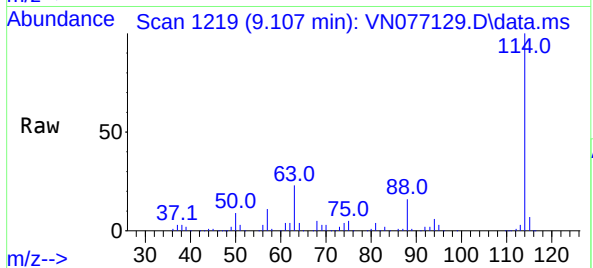




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

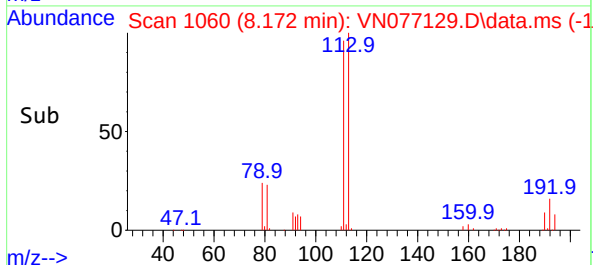
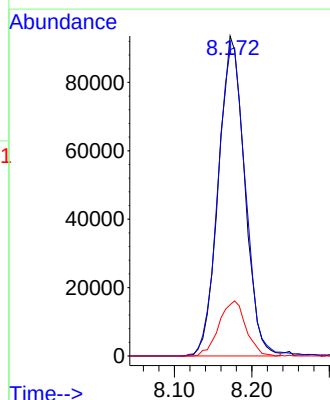
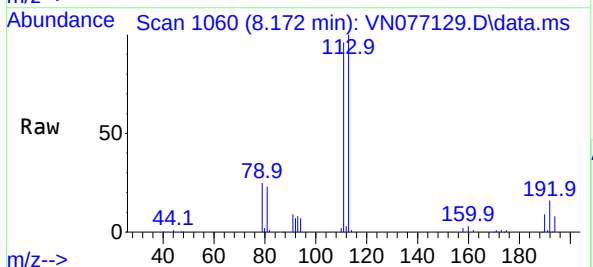
Instrument :
MSVOA_N
ClientSampleId :

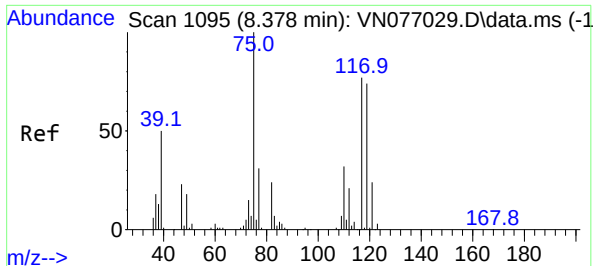
Tgt Ion:114 Resp: 683697
Ion Ratio Lower Upper
114 100
63 23.0 0.0 44.6
88 16.2 0.0 33.8



#35
Dibromofluoromethane
Concen: 45.729 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion:113 Resp: 218949
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 17.8 13.0 19.6





#36

1,1-Dichloropropene

Concen: 4.708 ug/l

RT: 8.236 min Scan# 1095

Delta R.T. -0.141 min

Lab File: VN077129.D

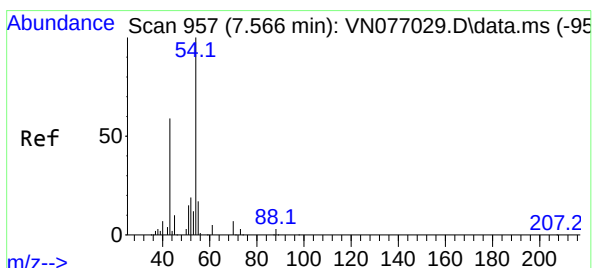
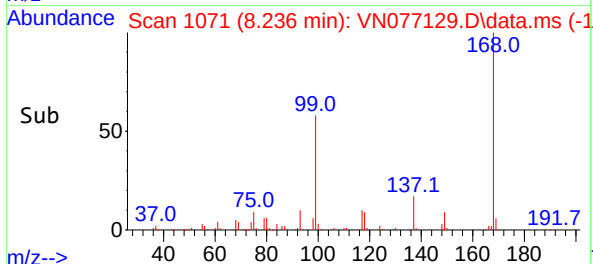
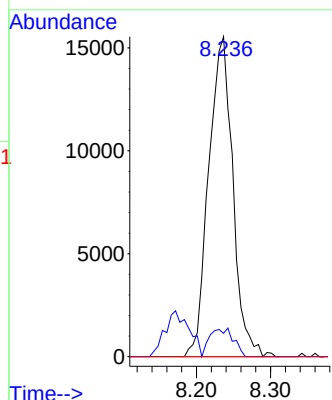
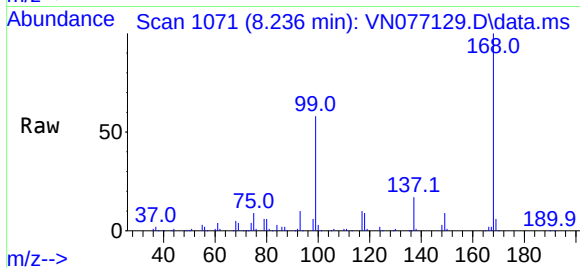
Acq: 23 Mar 2023 05:47

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	75	Resp:	35210
Ion	Ratio	Lower	Upper
75	100		
110	8.7	15.9	47.7#
77	0.0	24.3	36.5#



#37

Ethyl Acetate

Concen: 9.812 ug/l

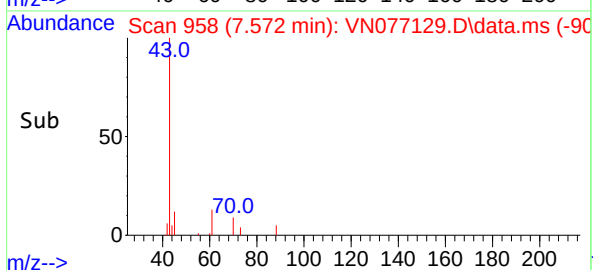
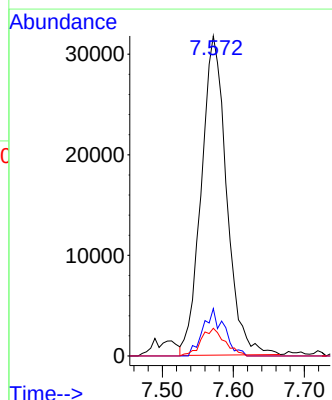
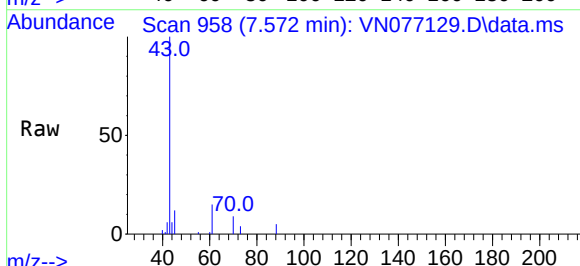
RT: 7.572 min Scan# 958

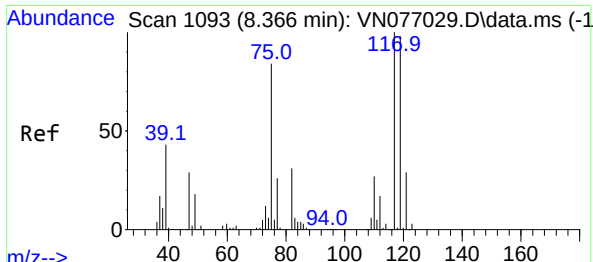
Delta R.T. 0.006 min

Lab File: VN077129.D

Acq: 23 Mar 2023 05:47

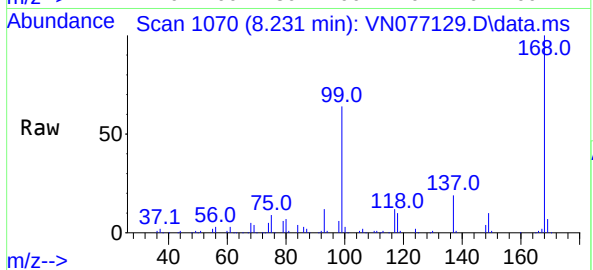
Tgt Ion:	43	Resp:	78511
Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.0	16.6
70	8.1	8.4	12.6#



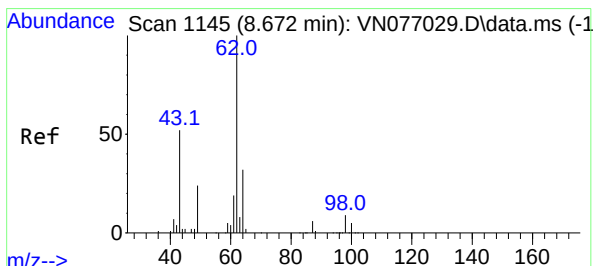
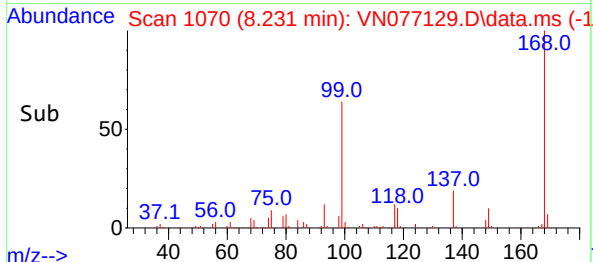
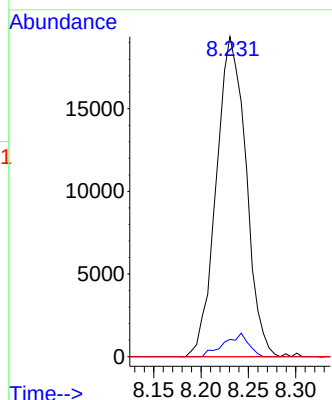


#38
Carbon Tetrachloride
Concen: 5.795 ug/l
RT: 8.231 min Scan# 110
Delta R.T. -0.135 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Instrument :
MSVOA_N
ClientSampleId :

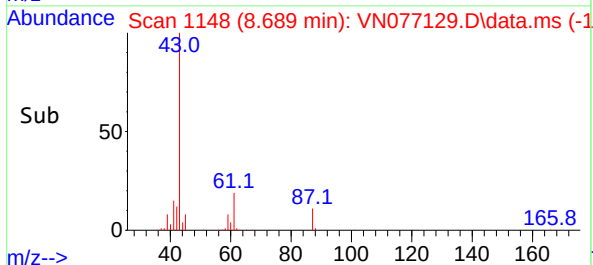
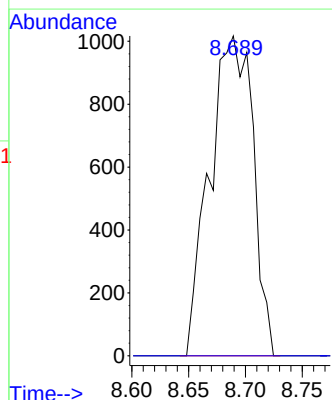
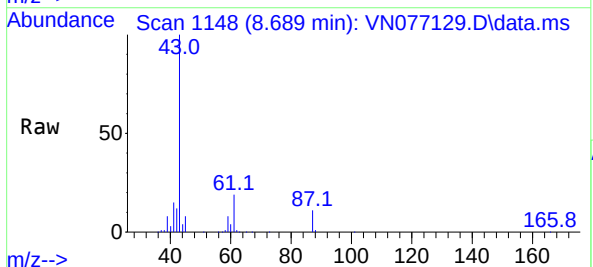


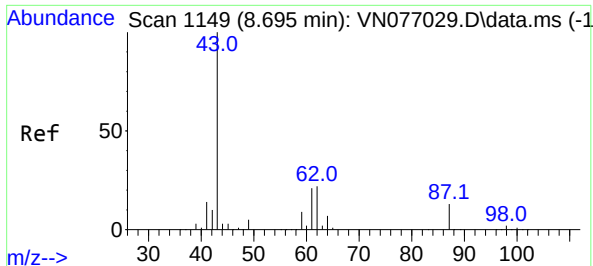
Tgt Ion:117 Resp: 42209
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 23.2 34.8#



#42
1,2-Dichloroethane
Concen: 0.330 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. 0.018 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion: 62 Resp: 2702
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.4

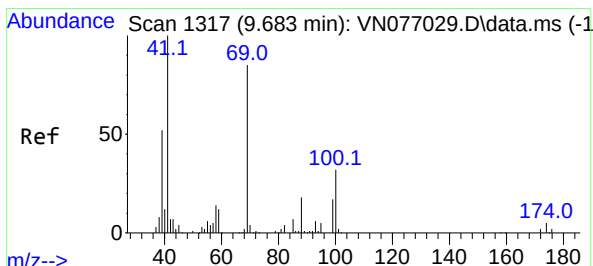
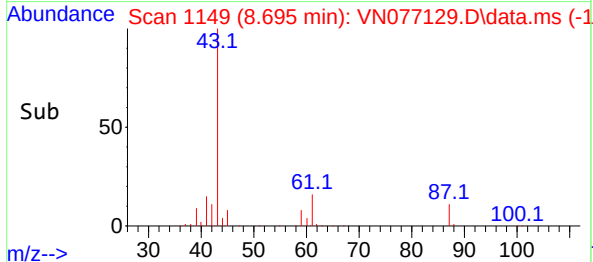
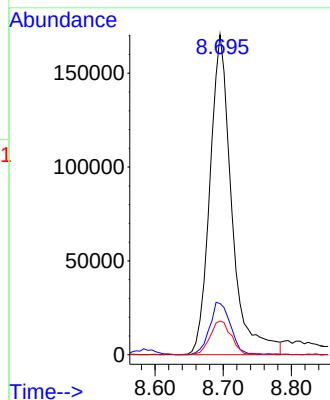
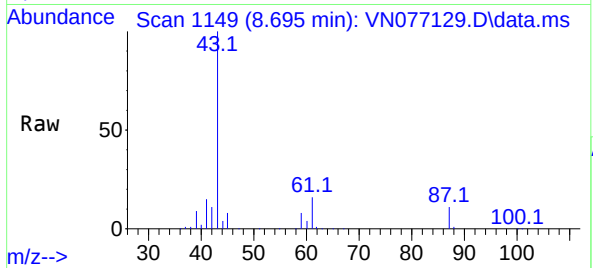




#43
Isopropyl Acetate
Concen: 30.500 ug/l
RT: 8.695 min Scan# 1149
Delta R.T. 0.000 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

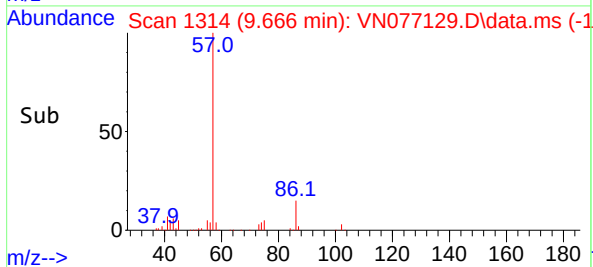
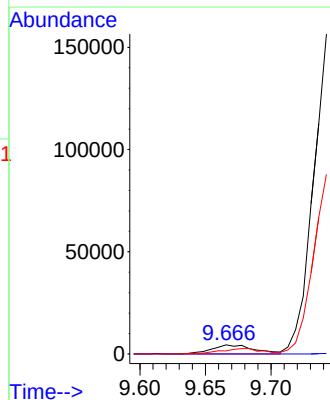
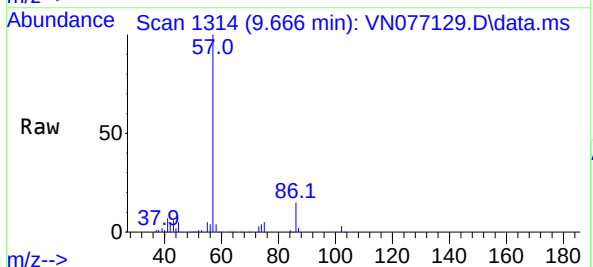
Instrument :
MSVOA_N
ClientSampleId :

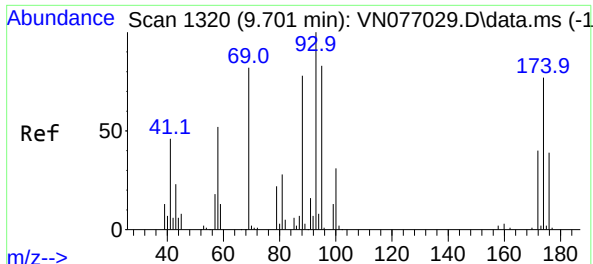
Tgt Ion: 43 Resp: 381234
Ion Ratio Lower Upper
43 100
61 15.6 20.6 30.8#
87 10.2 10.0 15.0



#48
Methyl methacrylate
Concen: 1.666 ug/l
RT: 9.666 min Scan# 1314
Delta R.T. -0.018 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

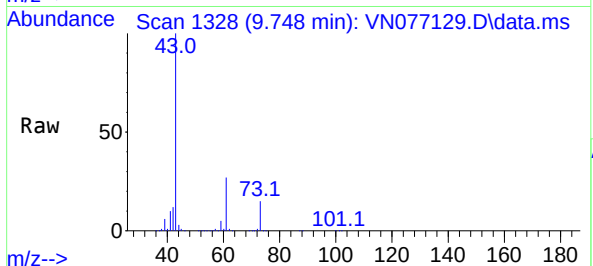
Tgt Ion: 41 Resp: 9958
Ion Ratio Lower Upper
41 100
69 0.0 64.3 96.5#
39 57.2 43.2 64.8



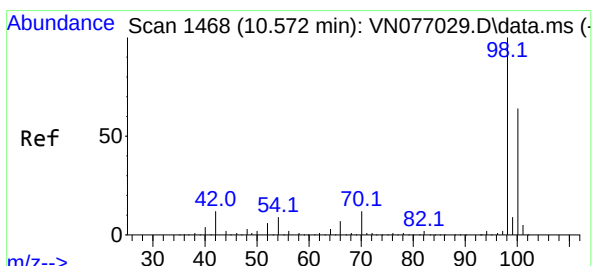
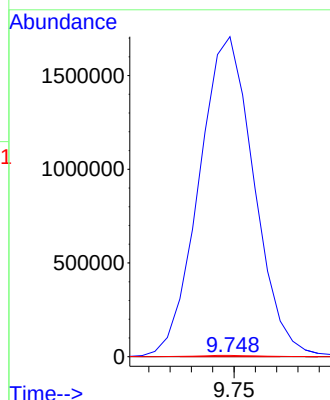
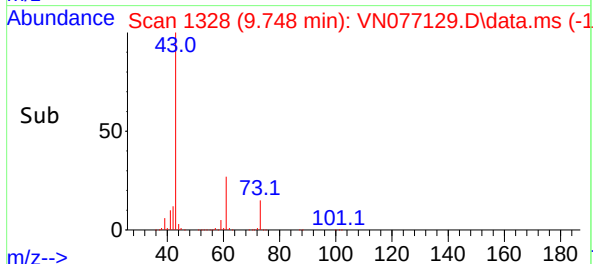


#49
1,4-Dioxane
Concen: 5.438 ug/l
RT: 9.748 min Scan# 1328
Delta R.T. 0.047 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

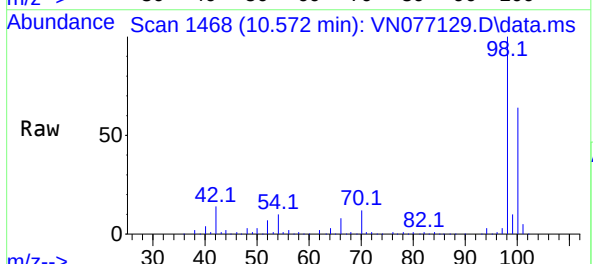
Instrument :
MSVOA_N
ClientSampleId :



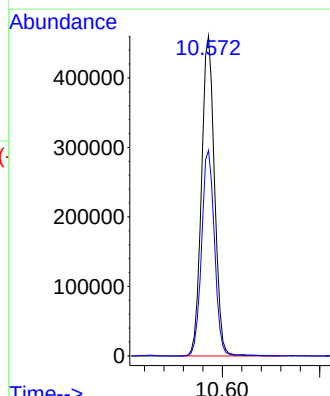
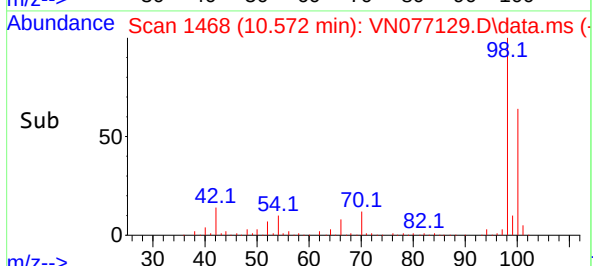
Tgt Ion: 88 Resp: 555
Ion Ratio Lower Upper
88 100
43 556168.3 22.2 33.2#
58 2487.4 60.8 91.2#

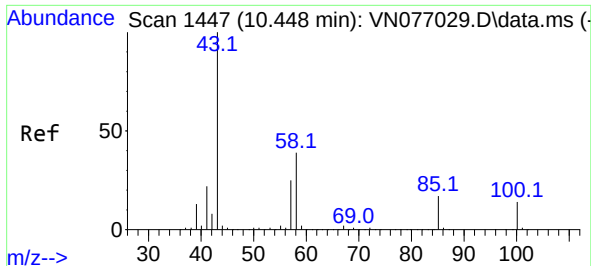


#50
Toluene-d8
Concen: 49.844 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47



Tgt Ion: 98 Resp: 852508
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

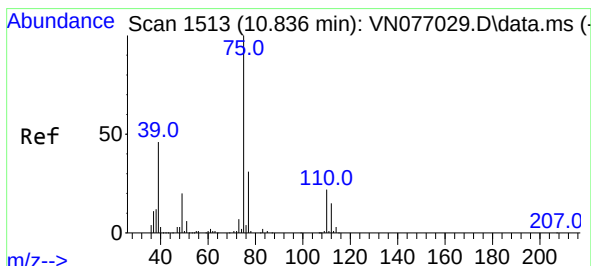
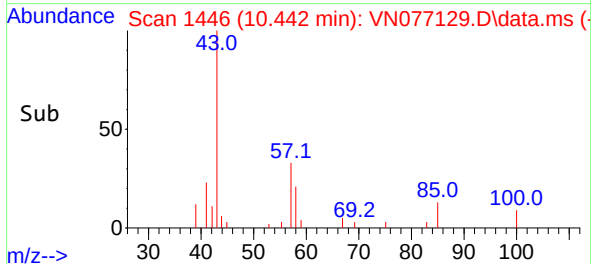
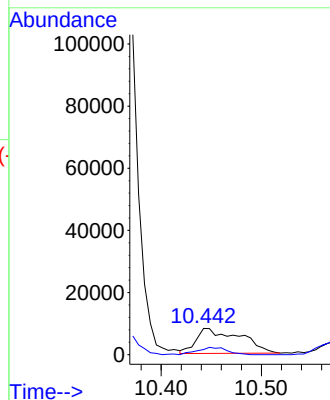
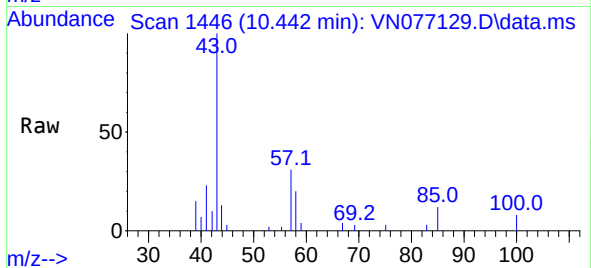




#51
4-Methyl-2-Pentanone
Concen: 3.170 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

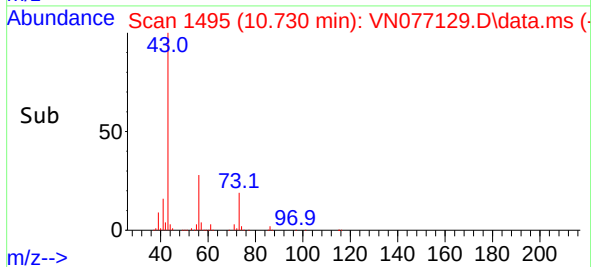
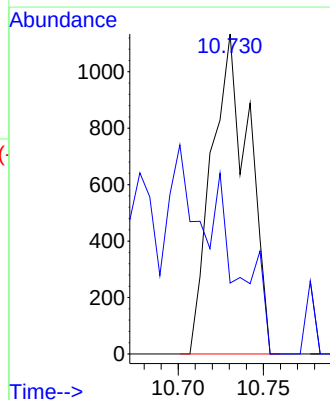
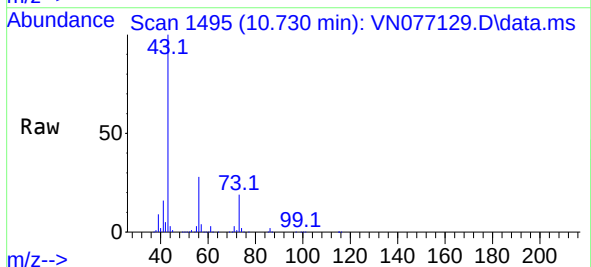
Instrument :
MSVOA_N
ClientSampleId :

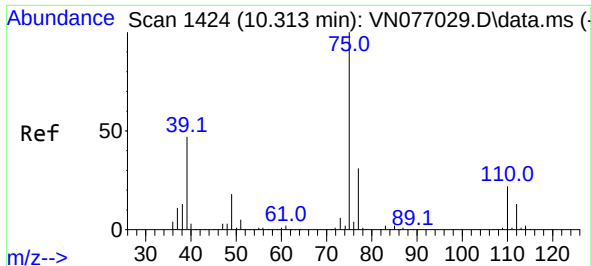
Tgt Ion: 43 Resp: 24675
Ion Ratio Lower Upper
43 100
58 19.8 31.1 46.7#



#53
t-1,3-Dichloropropene
Concen: 0.221 ug/l
RT: 10.730 min Scan# 1495
Delta R.T. -0.106 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion: 75 Resp: 1723
Ion Ratio Lower Upper
75 100
77 22.1 25.1 37.7#

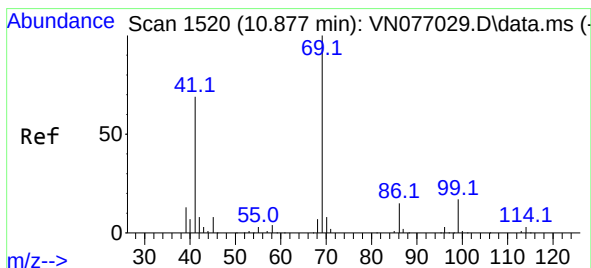
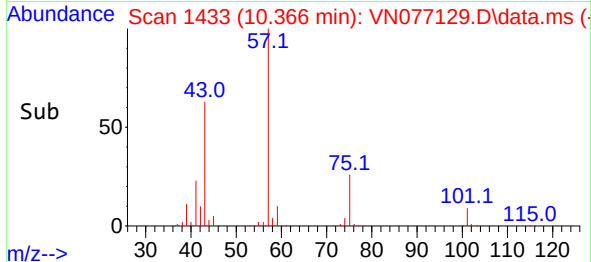
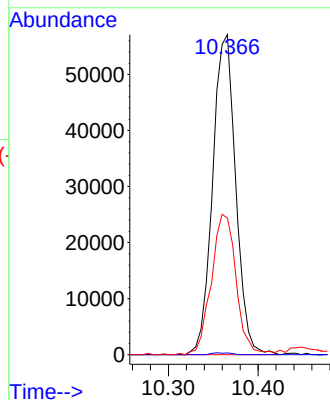
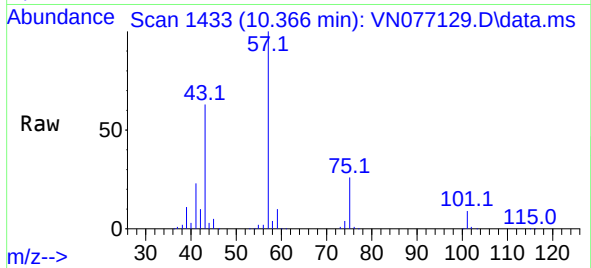




#54
cis-1,3-Dichloropropene
Concen: 11.580 ug/l
RT: 10.366 min Scan# 1424
Delta R.T. 0.053 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

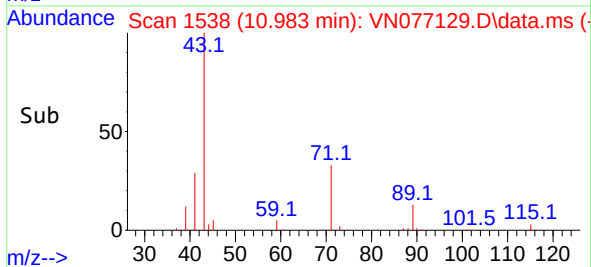
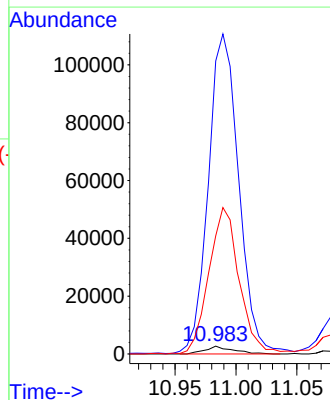
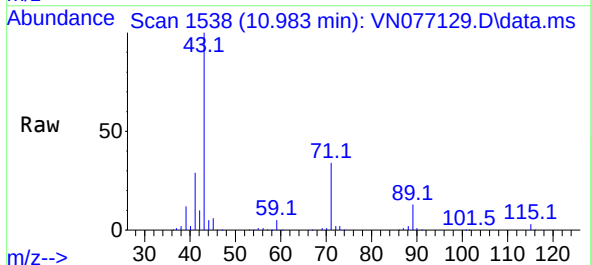
Instrument :
MSVOA_N
ClientSampleId :

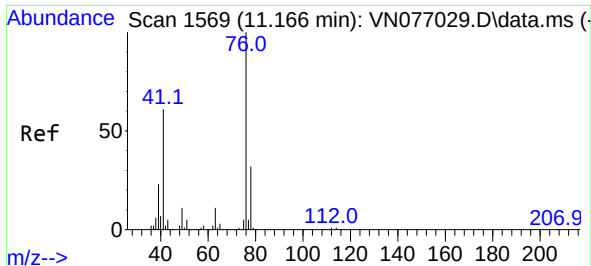
Tgt Ion: 75 Resp: 102036
Ion Ratio Lower Upper
75 100
77 0.5 24.5 36.7#
39 42.3 37.8 56.6



#56
Ethyl methacrylate
Concen: 0.531 ug/l
RT: 10.983 min Scan# 1538
Delta R.T. 0.106 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion: 69 Resp: 4265
Ion Ratio Lower Upper
69 100
41 4492.8 54.9 82.3#
39 2067.2 26.6 40.0#





#57

1,3-Dichloropropane

Concen: 1.432 ug/l

RT: 11.207 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN077129.D

Acq: 23 Mar 2023 05:47

Instrument :

MSVOA_N

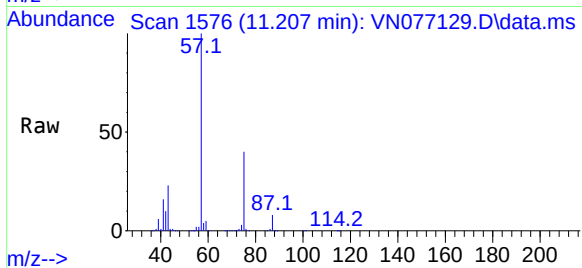
ClientSampleId :

Tgt Ion: 76 Resp: 13999

Ion Ratio Lower Upper

76 100

78 0.0 25.3 37.9#



Abundance

11.207

8000

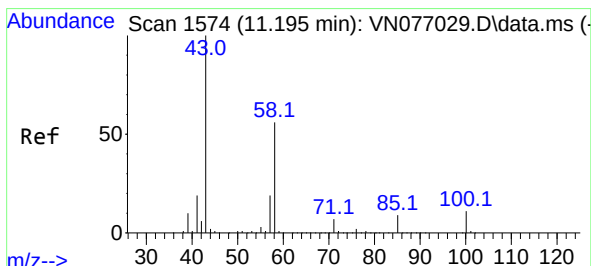
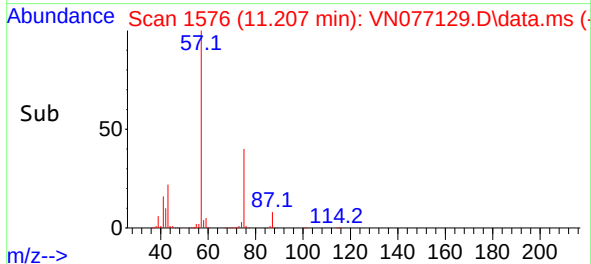
6000

4000

2000

0

Time-->



#59

2-Hexanone

Concen: 49.660 ug/l

RT: 11.177 min Scan# 1571

Delta R.T. -0.018 min

Lab File: VN077129.D

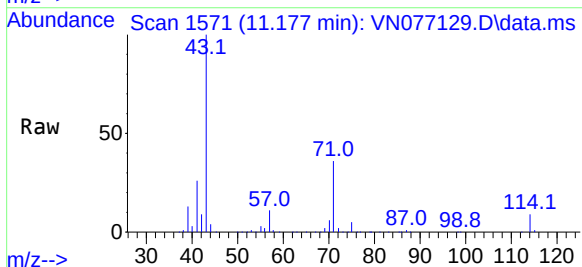
Acq: 23 Mar 2023 05:47

Tgt Ion: 43 Resp: 280362

Ion Ratio Lower Upper

43 100

58 0.0 27.7 83.1#



Abundance

11.177

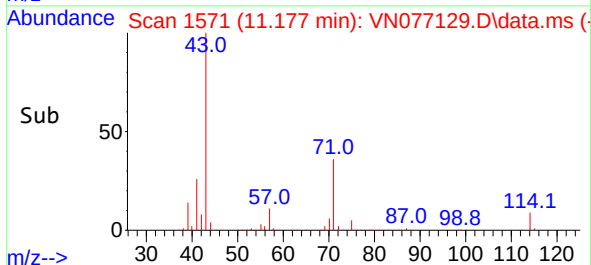
150000

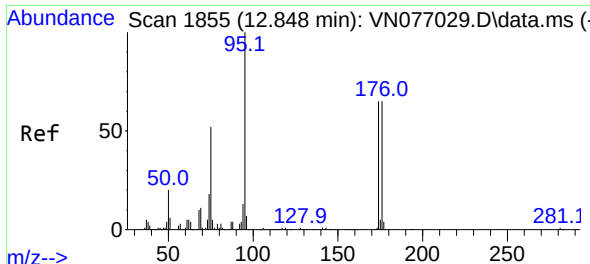
100000

50000

0

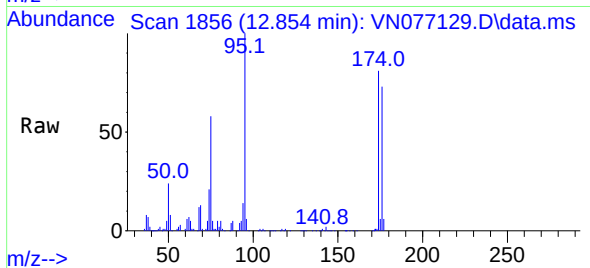
Time-->



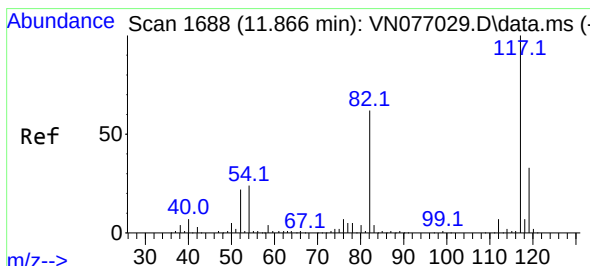
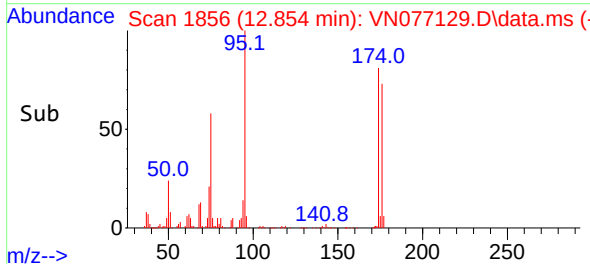
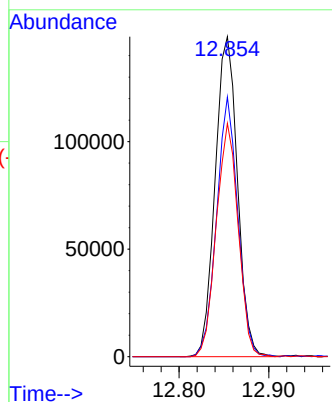


#62
4-Bromofluorobenzene
Concen: 42.422 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Instrument :
MSVOA_N
ClientSampleId :

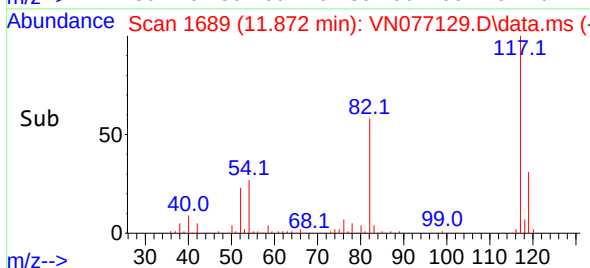
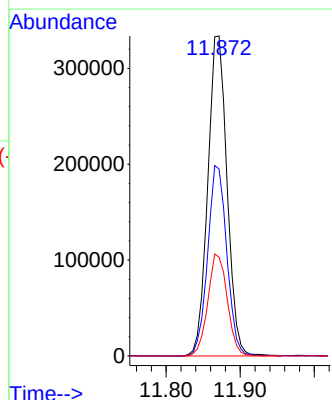
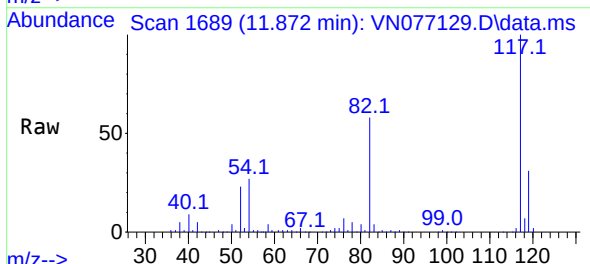


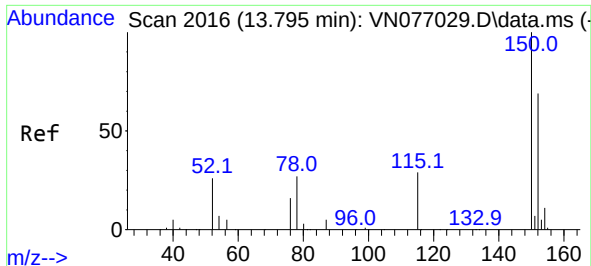
Tgt Ion: 95 Resp: 256385
Ion Ratio Lower Upper
95 100
174 77.5 0.0 136.6
176 71.6 0.0 130.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.872 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion: 117 Resp: 603644
Ion Ratio Lower Upper
117 100
82 58.4 49.4 74.0
119 30.9 26.5 39.7

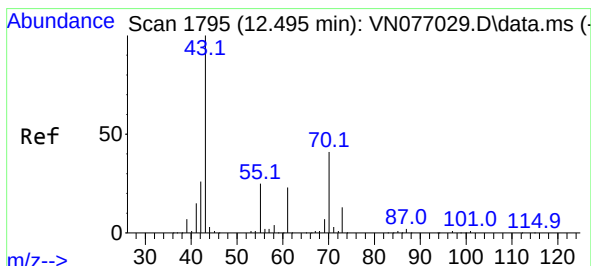
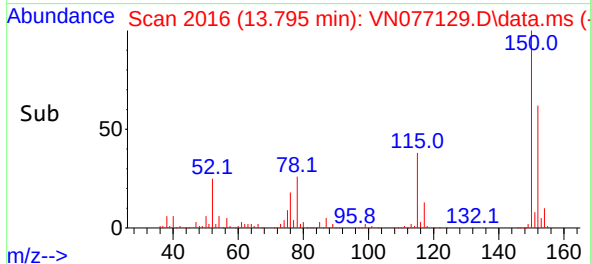
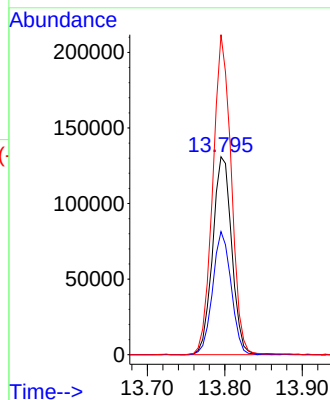
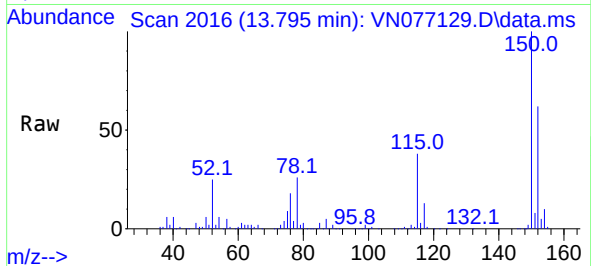




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 20
Delta R.T. -0.000 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

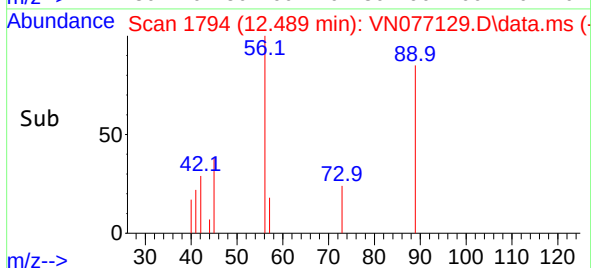
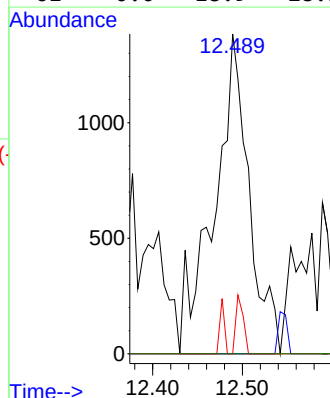
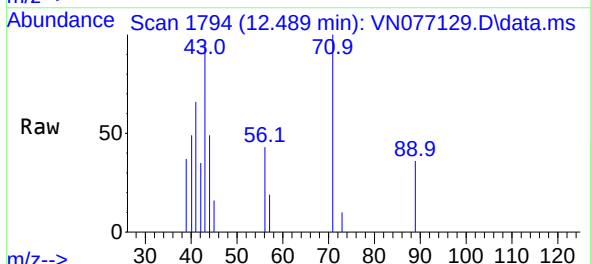
Instrument :
MSVOA_N
ClientSampleId :

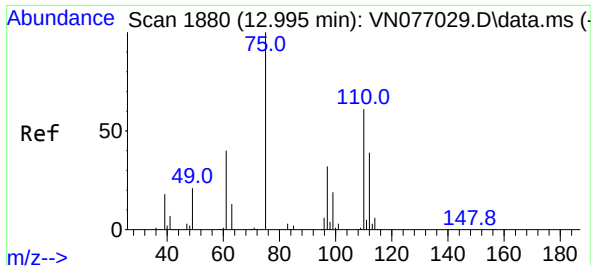
Tgt Ion:152 Resp: 224322
Ion Ratio Lower Upper
152 100
115 60.2 31.9 95.7
150 156.1 0.0 348.0



#74
N-ethyl acetate
Concen: 0.428 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion: 43 Resp: 3720
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 4.0 20.3 30.5#
61 0.0 18.9 28.3#

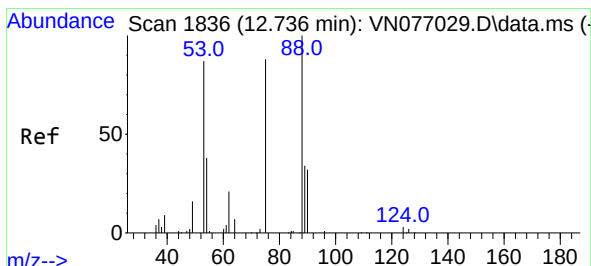
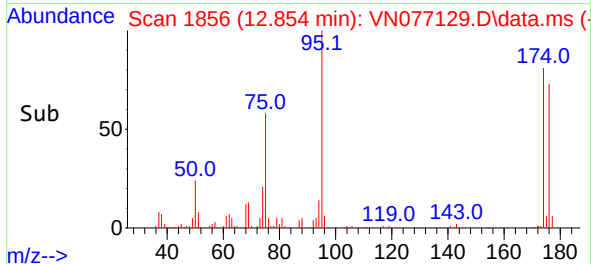
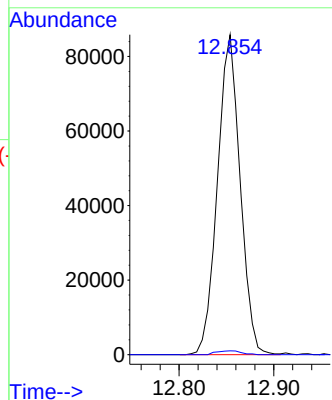
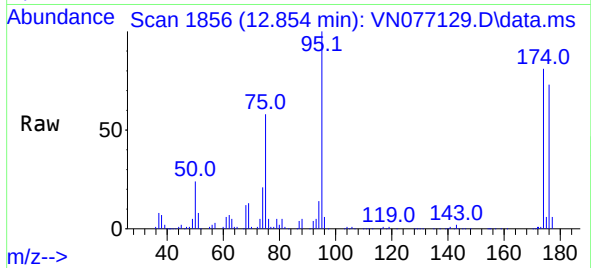




#76
1,2,3-Trichloropropane
Concen: 24.616 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.141 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

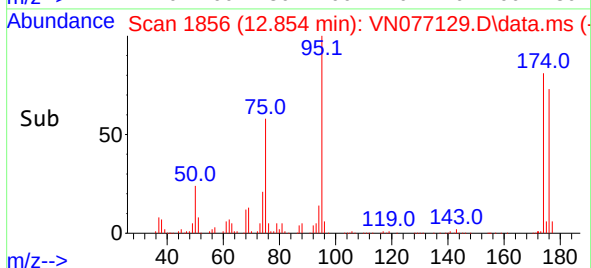
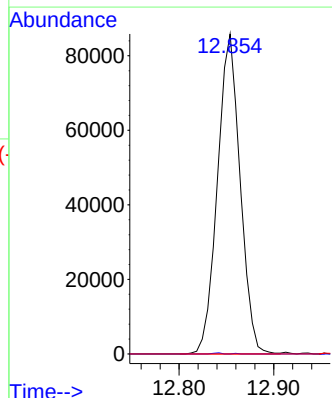
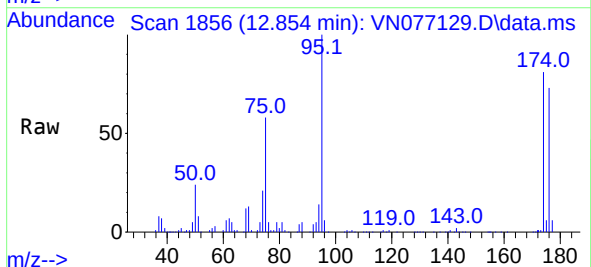
Instrument :
MSVOA_N
ClientSampleId :

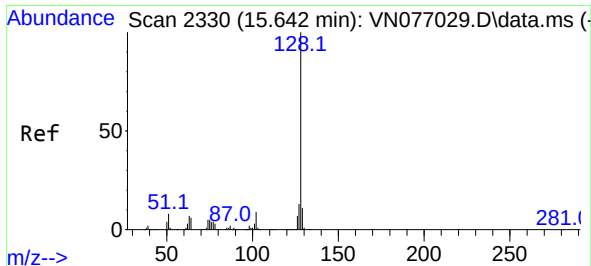
Tgt Ion: 75 Resp: 142831
Ion Ratio Lower Upper
75 100
77 1.3 107.3 322.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.757 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.118 min
Lab File: VN077129.D
Acq: 23 Mar 2023 05:47

Tgt Ion: 75 Resp: 142831
Ion Ratio Lower Upper
75 100
53 0.0 80.8 121.2#
89 0.0 34.2 51.4#





#95

Naphthalene

Concen: 1.981 ug/l

RT: 15.648 min Scan# 21

Delta R.T. 0.006 min

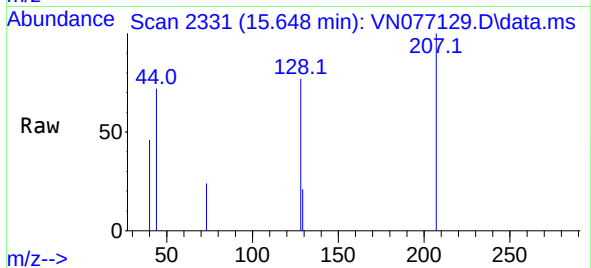
Lab File: VN077129.D

Acq: 23 Mar 2023 05:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:128 Resp: 1063

Ion Ratio Lower Upper

128 100

127 7.6 10.0 15.0#

129 6.2 8.6 13.0#

