

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090121\
 Data File : VY005923.D
 Acq On : 01 Sep 2021 12:21
 Operator : SY/MD
 Sample : M3614-01
 Misc : 5.02G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-8-083121

Quant Time: Sep 02 07:46:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y083121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 01 05:32:43 2021
 Response via : Initial Calibration

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

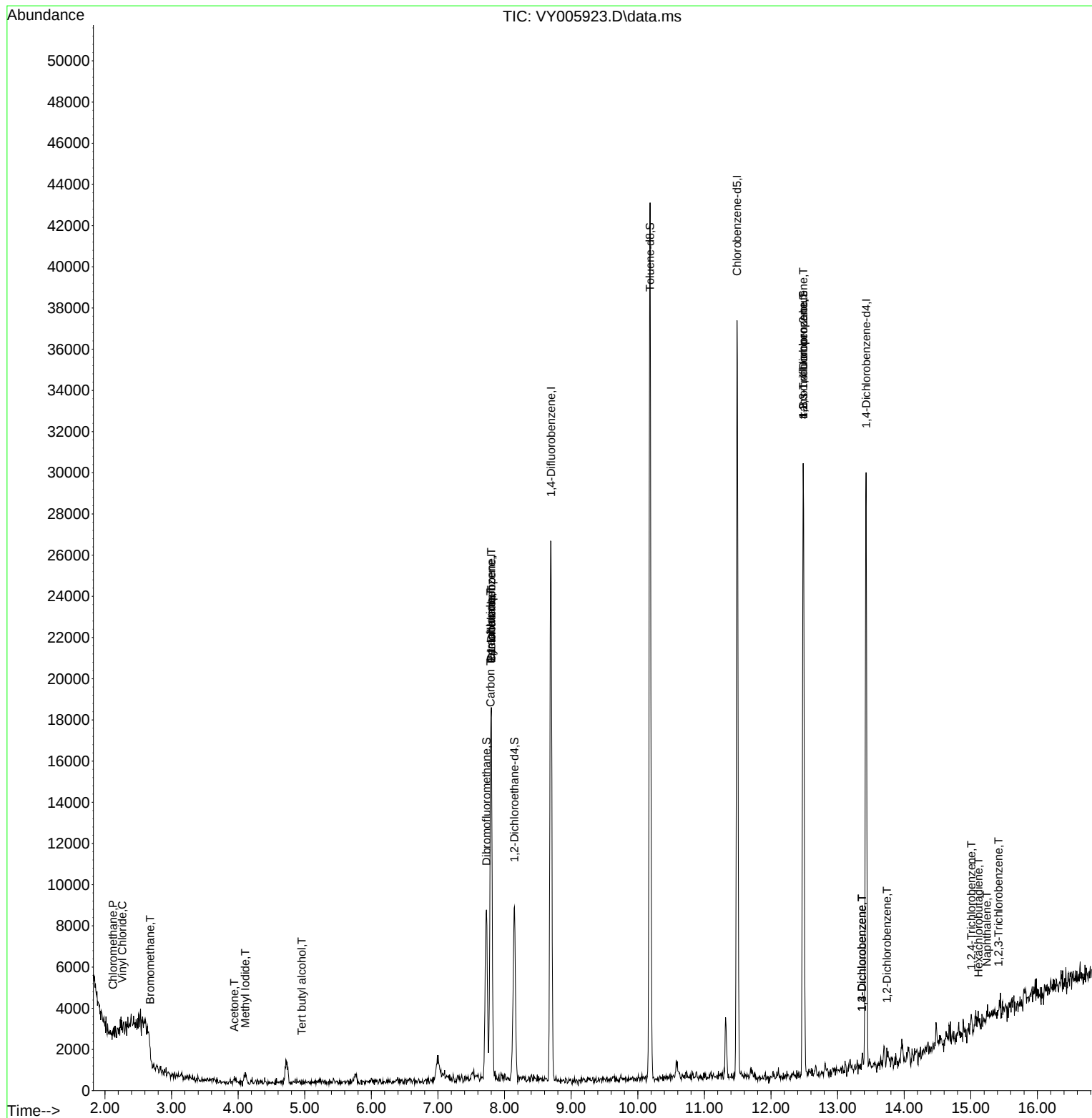
Internal Standards						
1) Pentafluorobenzene	7.801	168	15628	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	22862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	20176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7545	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	6719	42.66	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.32%
35) Dibromofluoromethane	7.728	113	5946	46.31	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.62%
50) Toluene-d8	10.185	98	27532	51.09	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.18%
62) 4-Bromofluorobenzene	12.483	95	7179	39.68	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.36%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	180	1.22	ug/l #	42
4) Vinyl Chloride	2.260	62	227	1.18	ug/l #	43
5) Bromomethane	2.680	94	130	1.00	ug/l #	80
10) Methyl Iodide	4.107	142	764	4.60	ug/l #	85
11) Tert butyl alcohol	4.954	59	35	1.13	ug/l #	80
16) Acetone	3.942	43	248	6.18	ug/l #	43
31) Cyclohexane	7.801	56	344	1.30	ug/l #	61
36) 1,1-Dichloropropene	7.801	75	1070	4.97	ug/l #	41
38) Carbon Tetrachloride	7.789	117	1435	6.15	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	4064	57.55	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	4064	109.44	ug/l #	13
87) 1,3-Dichlorobenzene	13.367	146	252	1.02	ug/l	70
88) 1,4-Dichlorobenzene	13.367	146	252	1.02	ug/l	70
91) 1,2-Dichlorobenzene	13.739	146	227	1.04	ug/l #	46
93) 1,2,4-Trichlorobenzene	15.007	180	217	1.47	ug/l #	76
94) Hexachlorobutadiene	15.117	225	182	1.92	ug/l #	48
95) Naphthalene	15.239	128	357	1.26	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.416	180	249	1.93	ug/l #	76

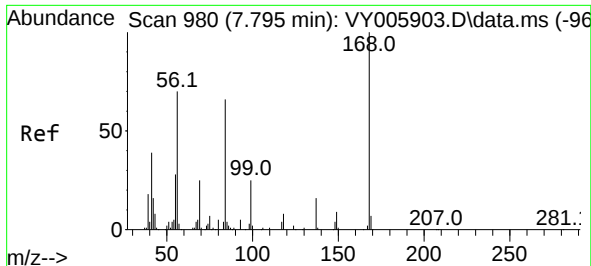
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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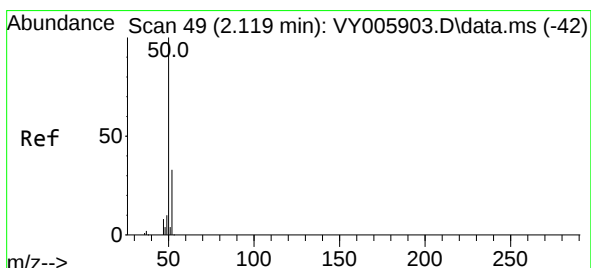
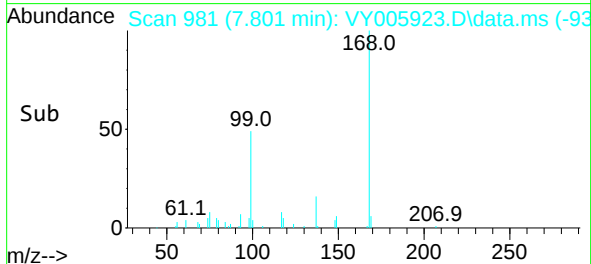
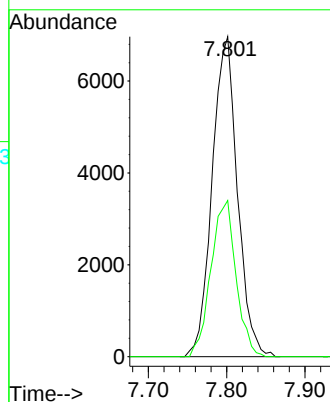
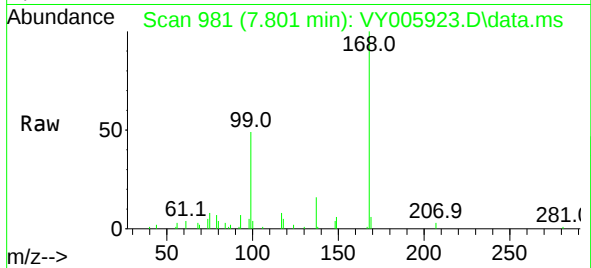




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

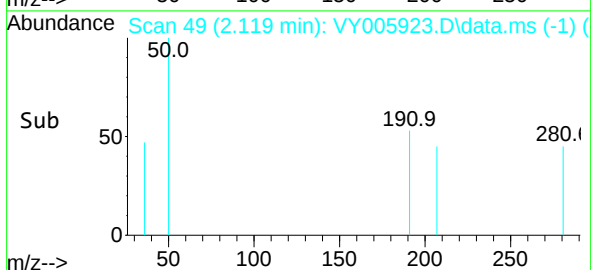
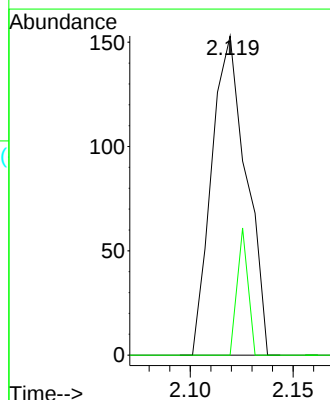
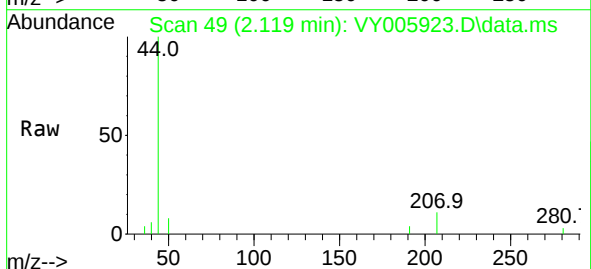
Instrument :
MSVOA_Y
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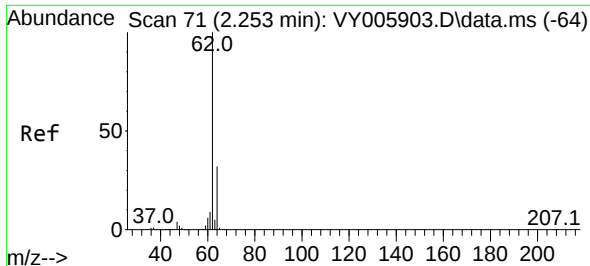
Tgt Ion:168 Resp: 15628
Ion Ratio Lower Upper
168 100
99 48.8 40.6 60.8



#3
Chloromethane
Concen: 1.22 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion: 50 Resp: 180
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.4#

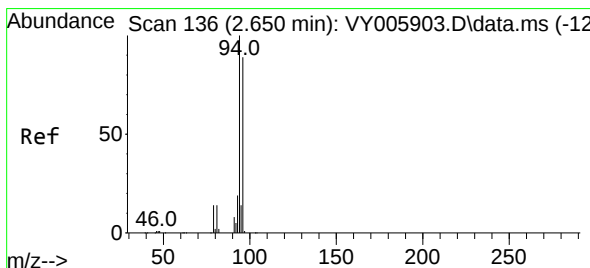
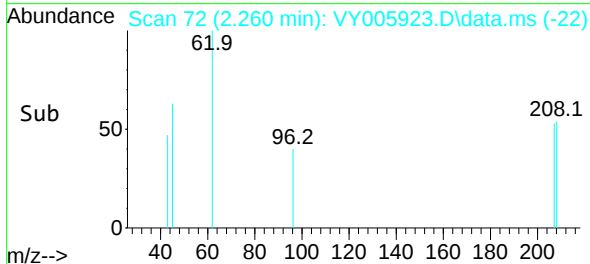
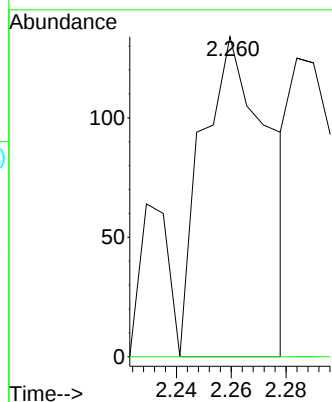
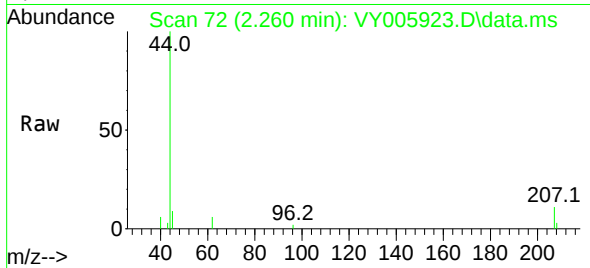




#4
 Vinyl Chloride
 Concen: 1.18 ug/l
 RT: 2.260 min Scan# 72
 Delta R.T. 0.006 min
 Lab File: VY005923.D
 Acq: 01 Sep 2021 12:21

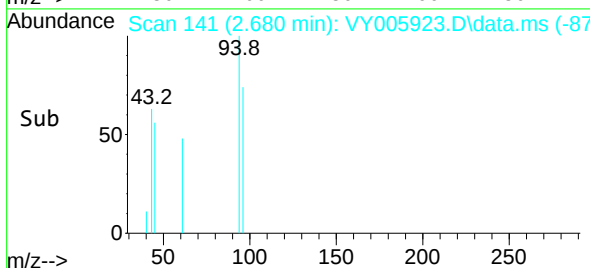
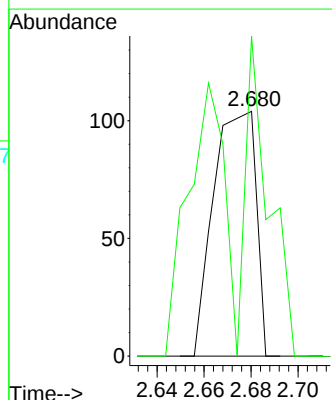
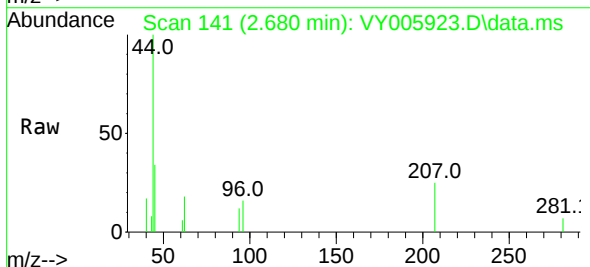
Instrument :
 MSVOA_Y
 ClientSampleId :
 NB-8-083121

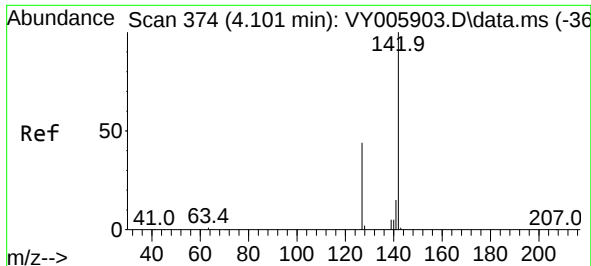
Tgt Ion: 62 Resp: 227
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.7 38.5#



#5
 Bromomethane
 Concen: 1.00 ug/l
 RT: 2.680 min Scan# 141
 Delta R.T. 0.031 min
 Lab File: VY005923.D
 Acq: 01 Sep 2021 12:21

Tgt Ion: 94 Resp: 130
 Ion Ratio Lower Upper
 94 100
 96 70.2 70.8 106.2#





#10

Methyl Iodide

Concen: 4.60 ug/l

RT: 4.107 min Scan# 375

Delta R.T. 0.006 min

Lab File: VY005923.D

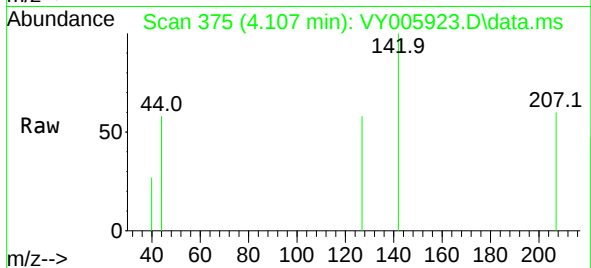
Acq: 01 Sep 2021 12:21

Instrument :

MSVOA_Y

ClientSampleId :

NB-8-083121



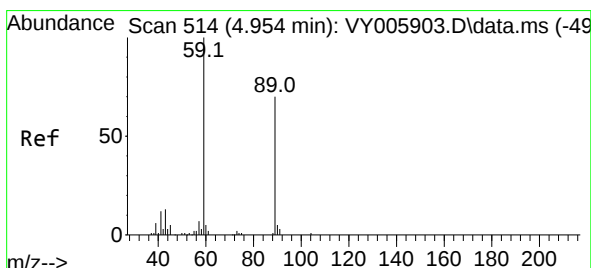
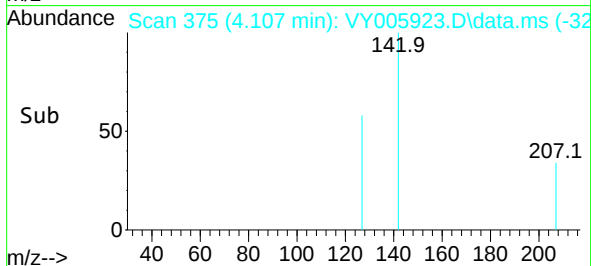
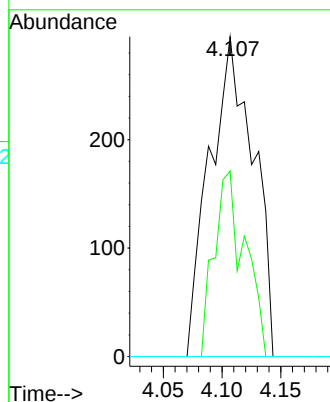
Tgt Ion:142 Resp: 764

Ion Ratio Lower Upper

142 100

127 40.6 36.7 55.1

141 0.0 11.8 17.8#



#11

Tert butyl alcohol

Concen: 1.13 ug/l

RT: 4.954 min Scan# 514

Delta R.T. 0.000 min

Lab File: VY005923.D

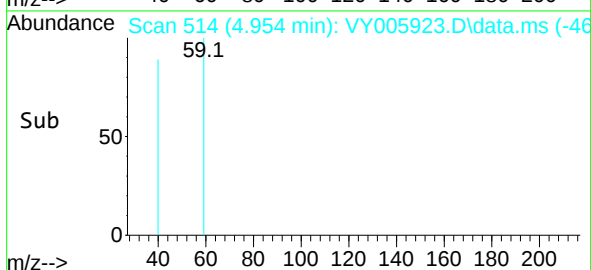
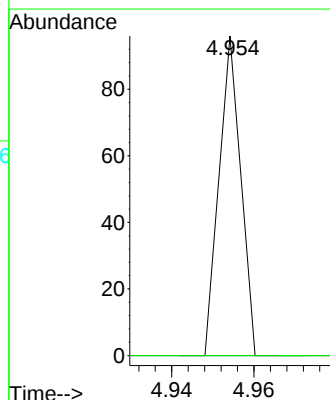
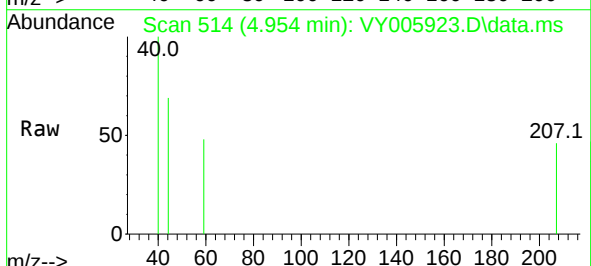
Acq: 01 Sep 2021 12:21

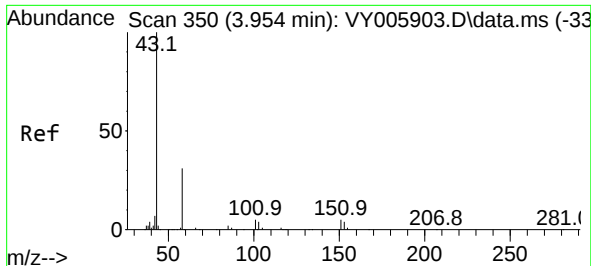
Tgt Ion: 59 Resp: 35

Ion Ratio Lower Upper

59 100

57 0.0 5.5 8.3#

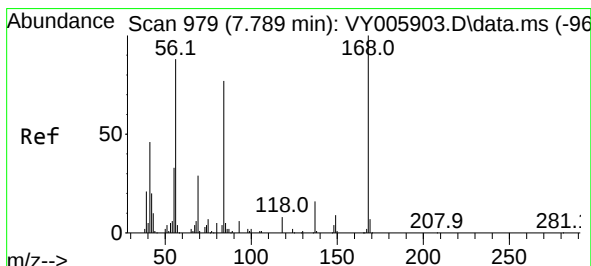
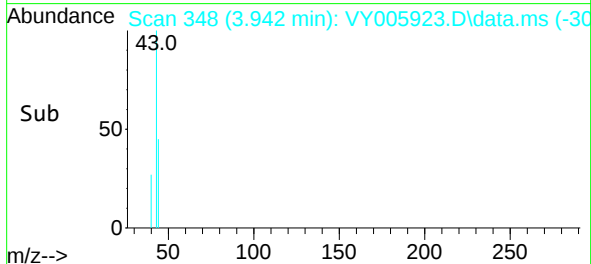
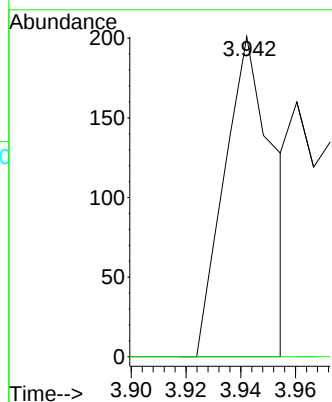
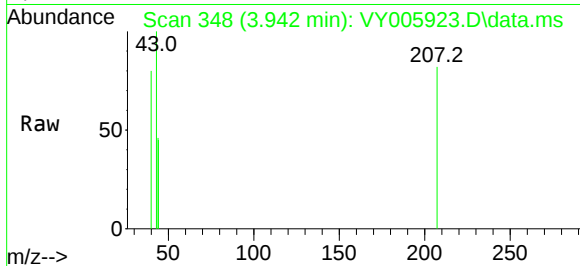




#16
Acetone
Concen: 6.18 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

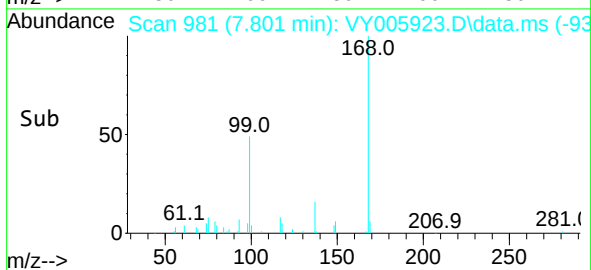
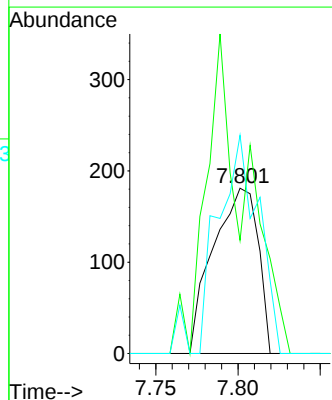
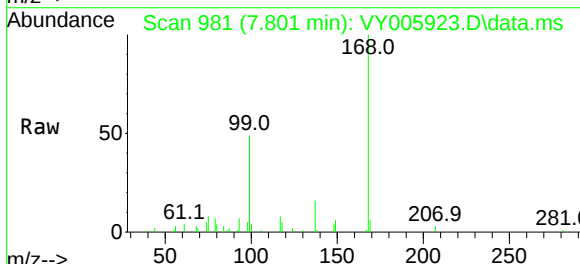
Instrument :
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NB-8-083121

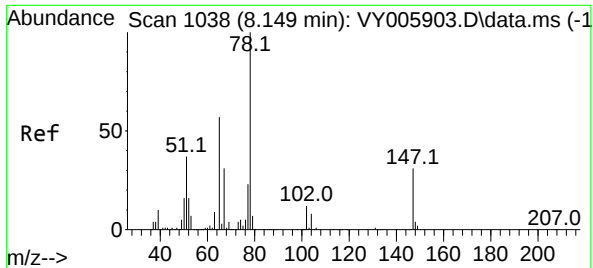
Tgt Ion: 43 Resp: 248
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#



#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion: 56 Resp: 344
Ion Ratio Lower Upper
56 100
69 40.9 26.3 39.5#
84 132.0 69.8 104.8#

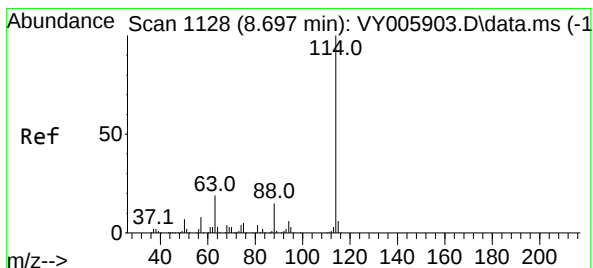
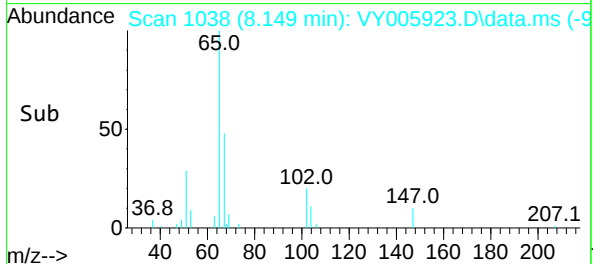
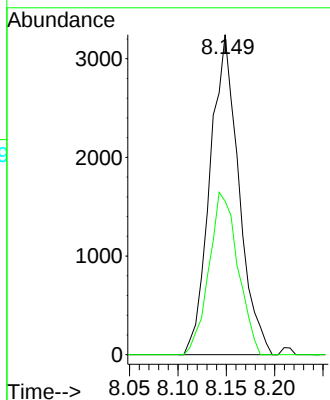
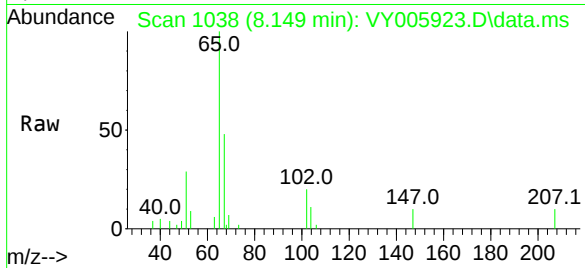




#33
 1,2-Dichloroethane-d4
 Concen: 42.66 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY005923.D
 Acq: 01 Sep 2021 12:21

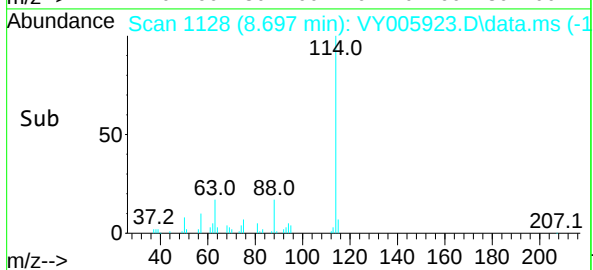
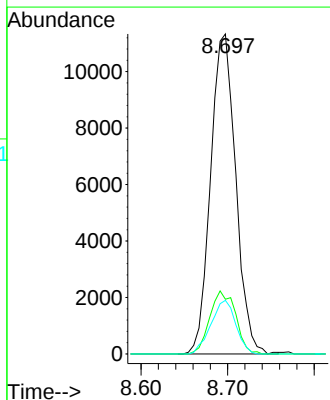
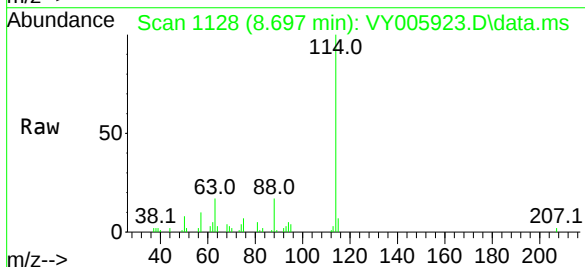
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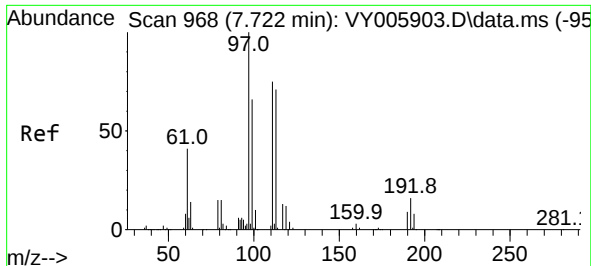
Tgt Ion: 65 Resp: 6719
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY005923.D
 Acq: 01 Sep 2021 12:21

Tgt Ion: 114 Resp: 22862
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 38.4
 88 16.7 0.0 30.0

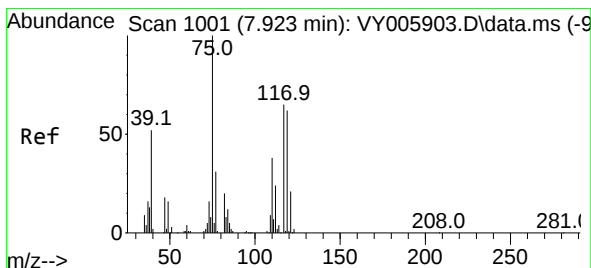
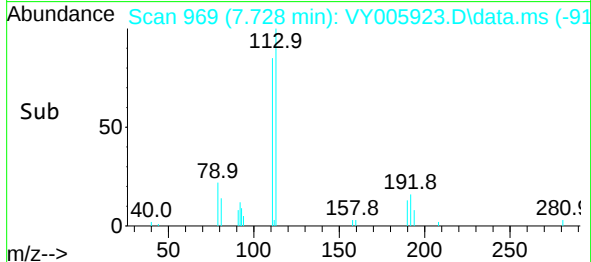
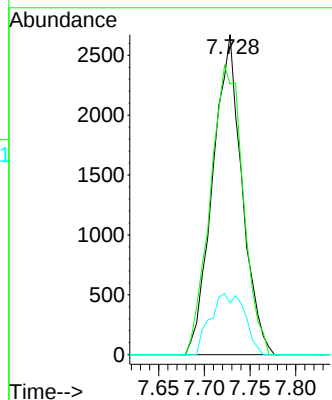
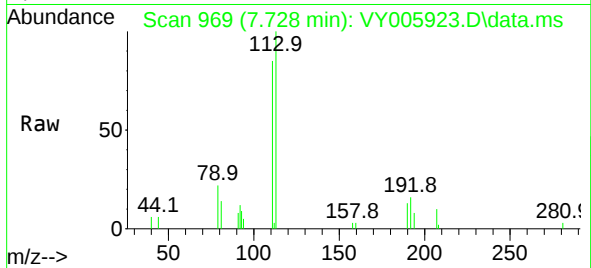




#35
Dibromofluoromethane
Concen: 46.31 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

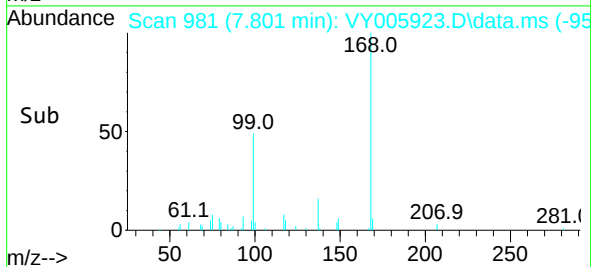
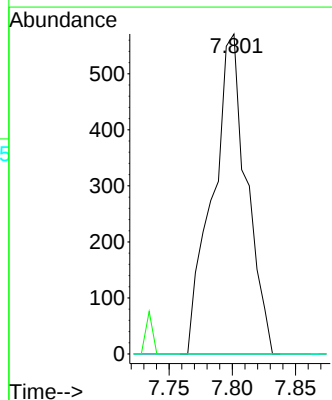
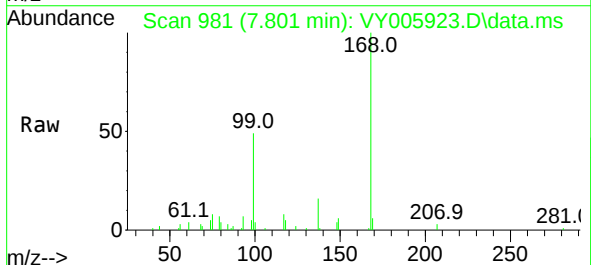
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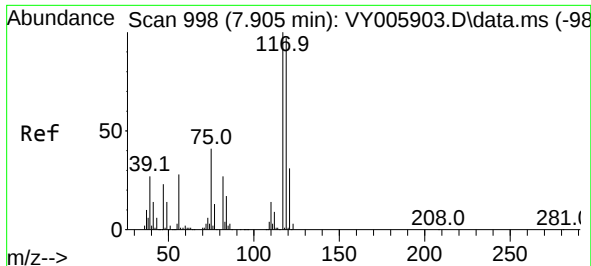
Tgt Ion:113 Resp: 5946
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 22.3 19.4 29.0



#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion: 75 Resp: 1070
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.3#
77 0.0 24.9 37.3#

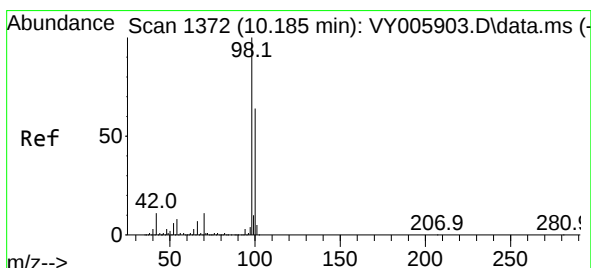
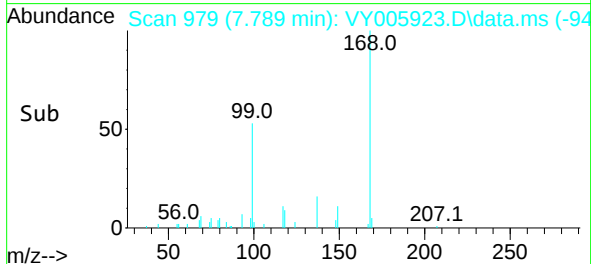
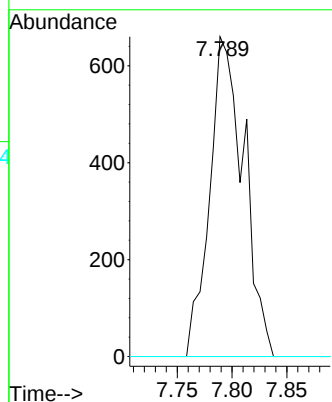
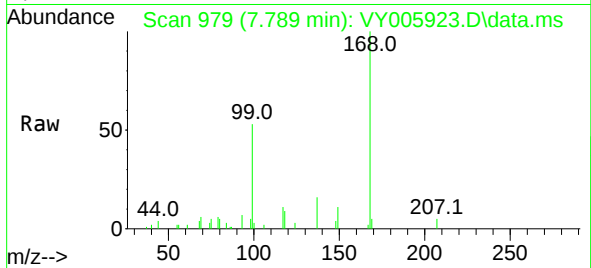




#38
Carbon Tetrachloride
Concen: 6.15 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

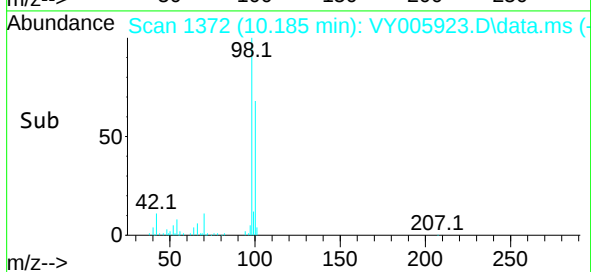
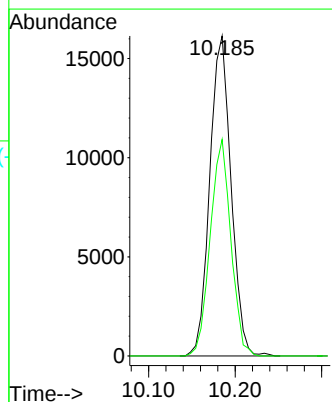
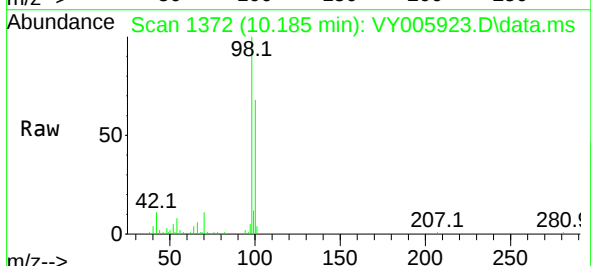
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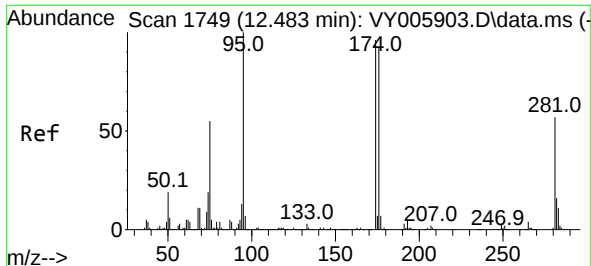
Tgt Ion:117 Resp: 1435
Ion Ratio Lower Upper
117 100
119 0.0 77.5 116.3#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.09 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion: 98 Resp: 27532
Ion Ratio Lower Upper
98 100
100 65.7 50.9 76.3

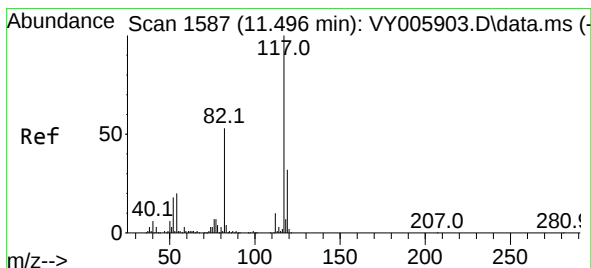
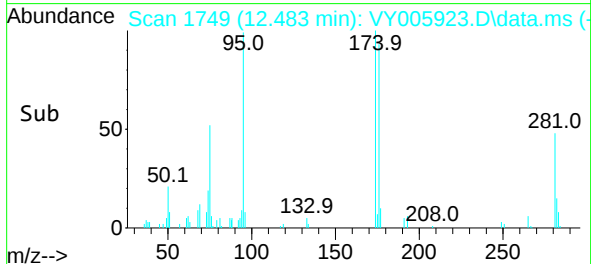
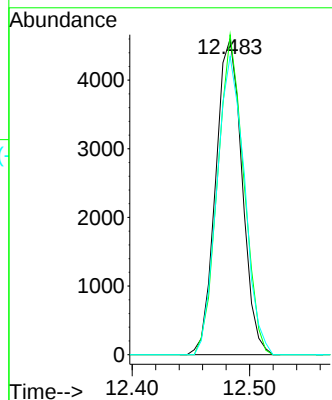
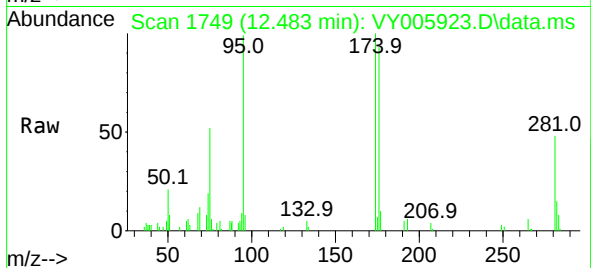




#62
4-Bromofluorobenzene
Concen: 39.68 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

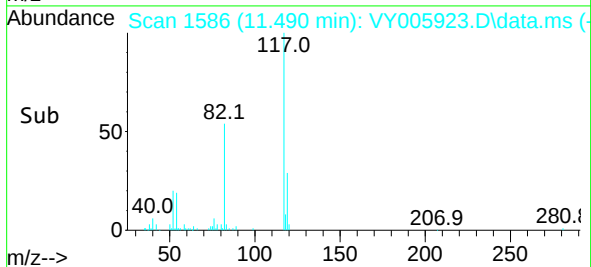
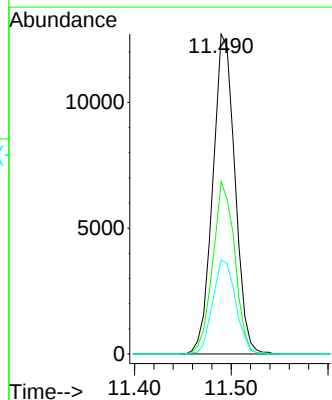
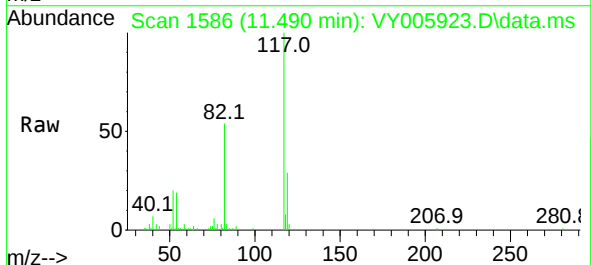
Instrument :
MSVOA_Y
ClientSampleId :
NB-8-083121

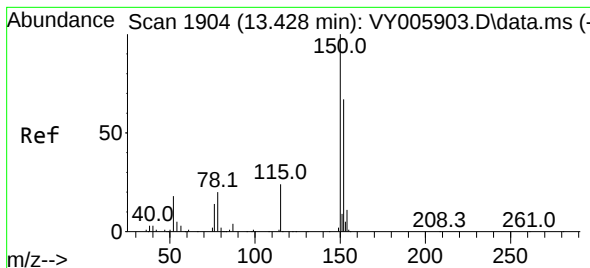
Tgt Ion: 95 Resp: 7179
Ion Ratio Lower Upper
95 100
174 99.7 0.0 192.4
176 98.6 0.0 186.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion: 117 Resp: 20176
Ion Ratio Lower Upper
117 100
82 53.9 42.4 63.6
119 29.4 25.4 38.0

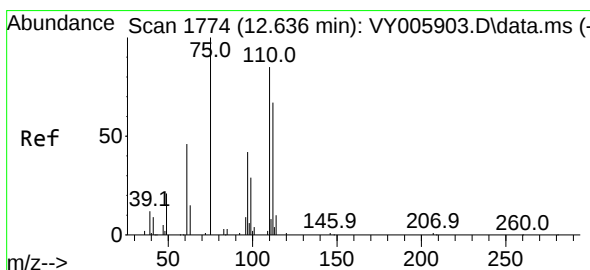
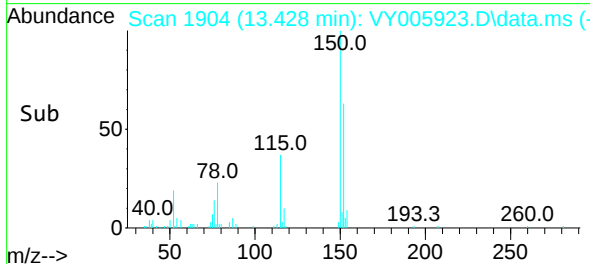
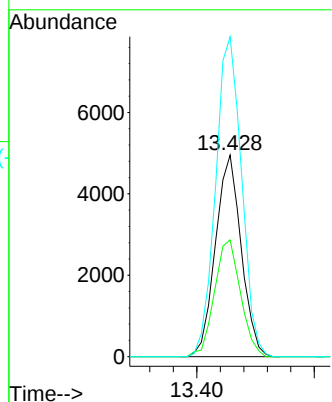
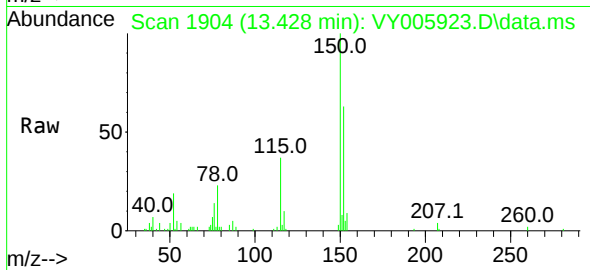




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

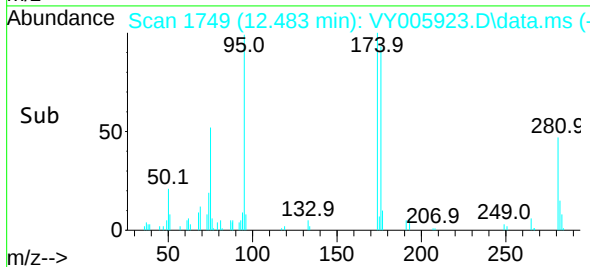
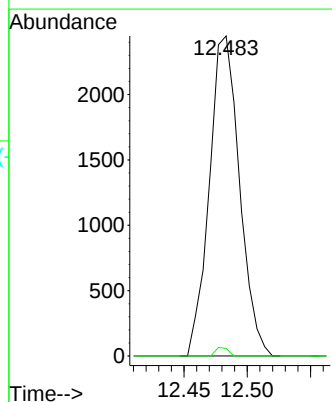
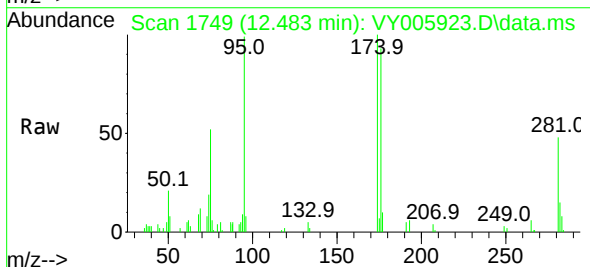
Instrument :
MSVOA_Y
ClientSampled :
NB-8-083121

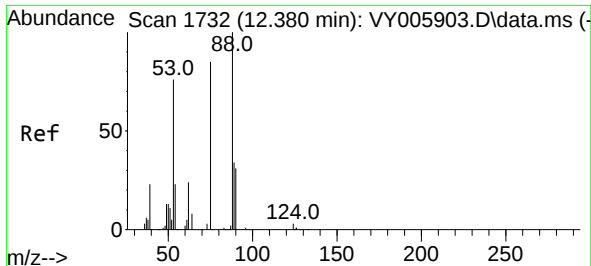
Tgt Ion:152 Resp: 7545
Ion Ratio Lower Upper
152 100
115 58.6 26.8 80.4
150 159.7 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 57.55 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion: 75 Resp: 4064
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

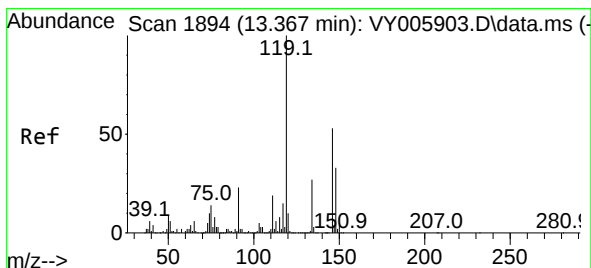
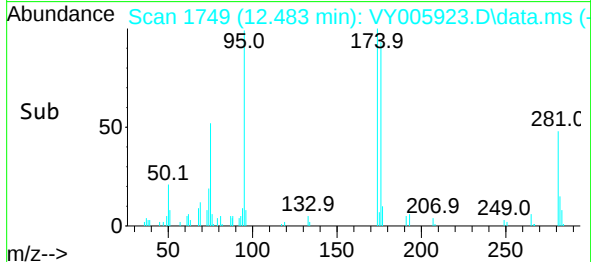
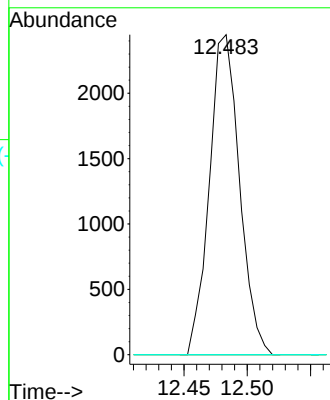
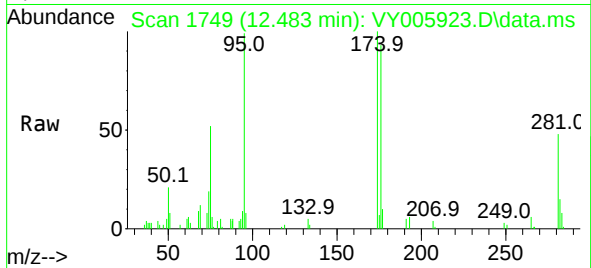




#81
trans-1,4-Dichloro-2-butene
Concen: 109.44 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

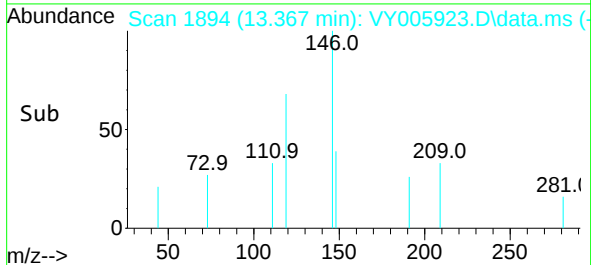
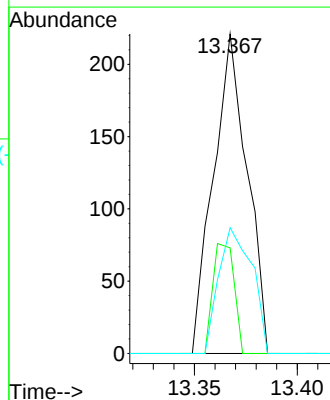
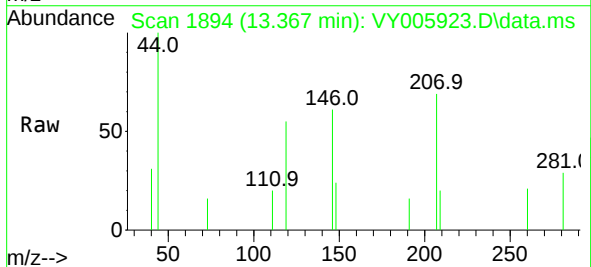
Instrument :
MSVOA_Y
ClientSampleId :
NB-8-083121

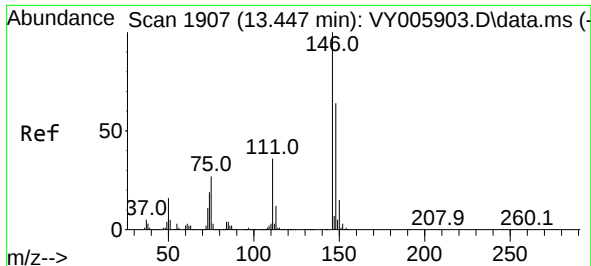
Tgt Ion: 75 Resp: 4064
Ion Ratio Lower Upper
75 100
53 0.0 71.8 107.8#
89 0.0 35.8 53.6#



#87
1,3-Dichlorobenzene
Concen: 1.02 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion:146 Resp: 252
Ion Ratio Lower Upper
146 100
111 21.8 18.6 55.6
148 38.9 31.9 95.7

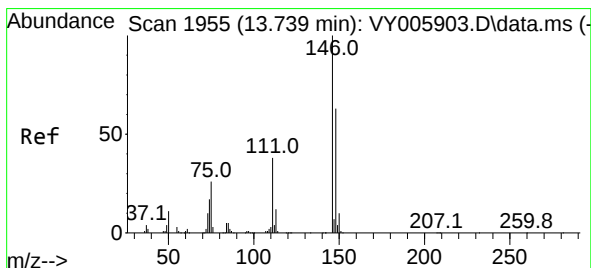
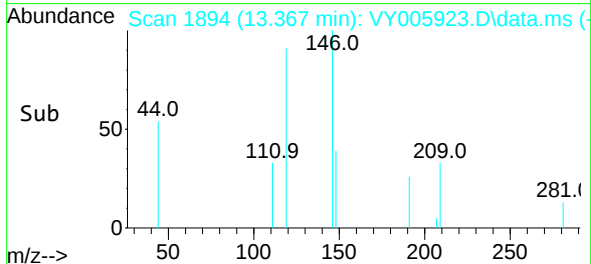
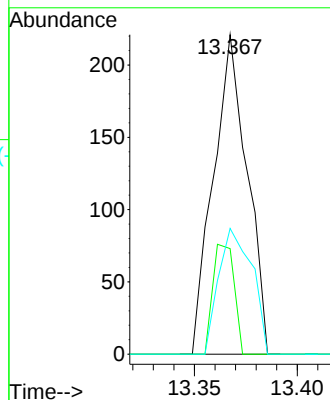
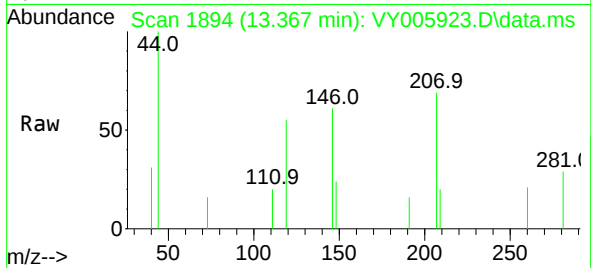




#88
1,4-Dichlorobenzene
Concen: 1.02 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.079 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

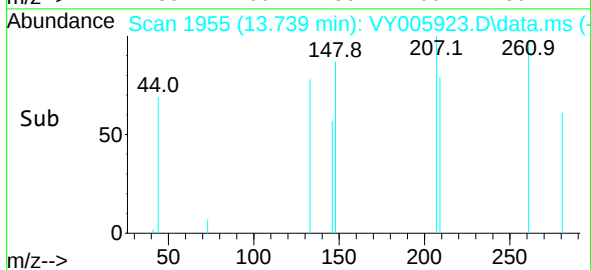
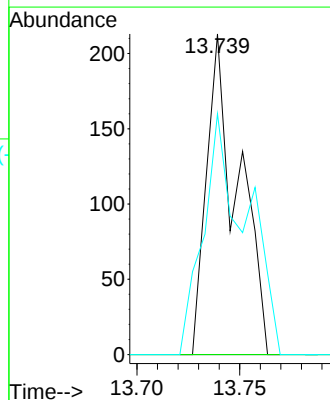
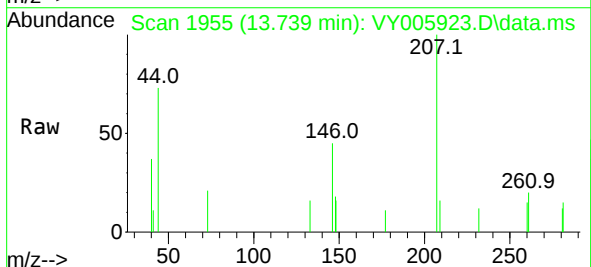
Instrument :
MSVOA_Y
ClientSampleId :
NB-8-083121

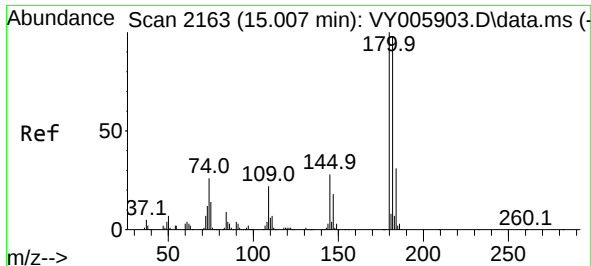
Tgt Ion:146 Resp: 252
Ion Ratio Lower Upper
146 100
111 21.8 18.1 54.3
148 38.9 32.1 96.5



#91
1,2-Dichlorobenzene
Concen: 1.04 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion:146 Resp: 227
Ion Ratio Lower Upper
146 100
111 0.0 19.4 58.2#
148 102.2 32.2 96.6#

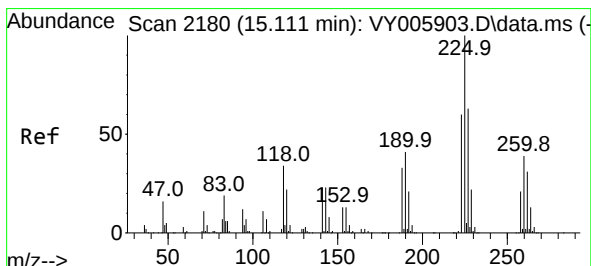
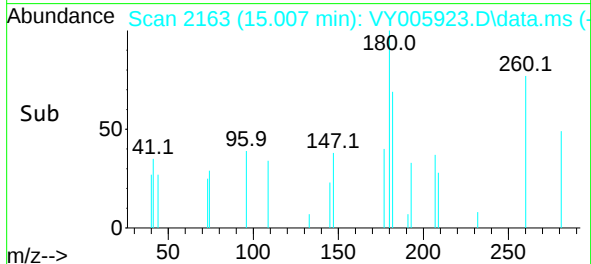
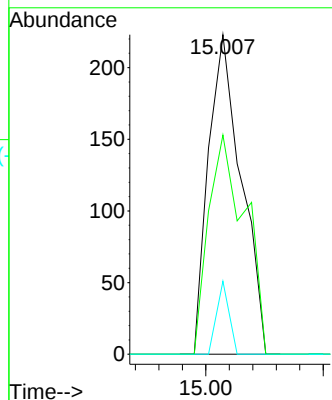
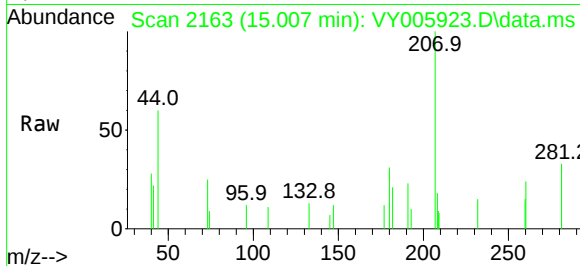




#93
1,2,4-Trichlorobenzene
Concen: 1.47 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

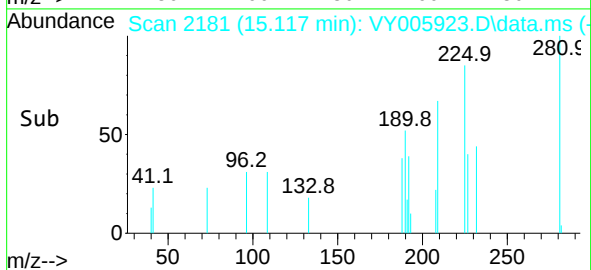
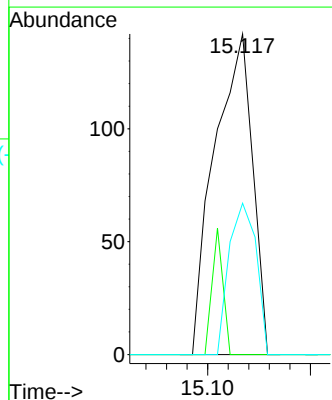
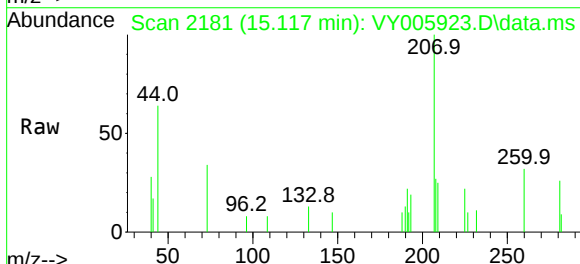
Instrument :
MSVOA_Y
ClientSampleId :
NB-8-083121

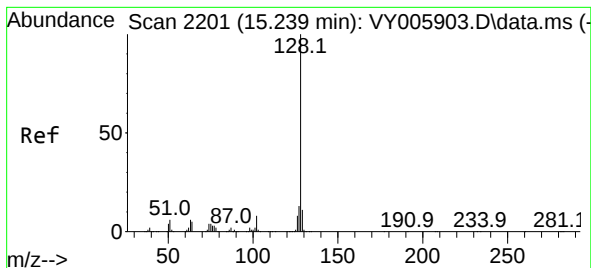
Tgt Ion:	180	Resp:	217
Ion	Ratio	Lower	Upper
180	100		
182	76.0	48.1	144.4
145	8.8	13.9	41.6#



#94
Hexachlorobutadiene
Concen: 1.92 ug/l
RT: 15.117 min Scan# 2181
Delta R.T. 0.006 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion:	225	Resp:	182
Ion	Ratio	Lower	Upper
225	100		
223	11.0	31.1	93.3#
227	34.1	32.2	96.6

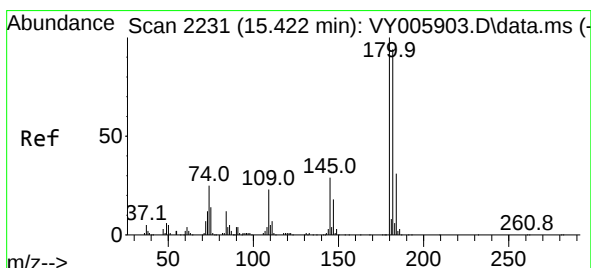
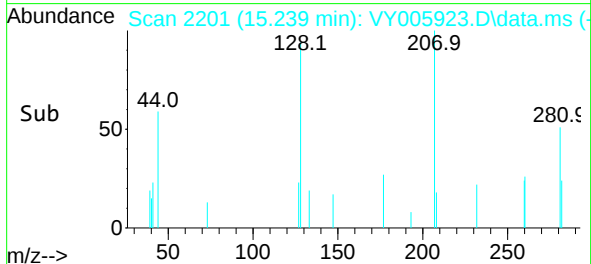
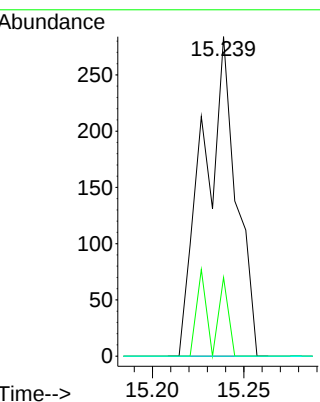
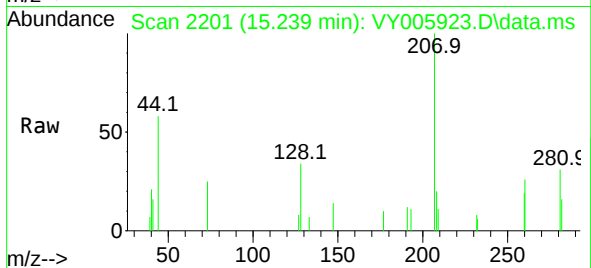




#95
Naphthalene
Concen: 1.26 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Instrument :
MSVOA_Y
ClientSampleId :
NB-8-083121

Tgt Ion:	128	Resp:	357
Ion	Ratio	Lower	Upper
128	100		
127	15.1	10.6	15.8
129	0.0	8.7	13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.93 ug/l
RT: 15.416 min Scan# 2230
Delta R.T. -0.006 min
Lab File: VY005923.D
Acq: 01 Sep 2021 12:21

Tgt Ion:	180	Resp:	249
Ion	Ratio	Lower	Upper
180	100		
182	80.3	47.8	143.3
145	0.0	14.2	42.8#

