

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082721\
 Data File : VY005879.D
 Acq On : 27 Aug 2021 13:32
 Operator : SY/MD
 Sample : M3547-08RE
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 03:51:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	138892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	234574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	244203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	126046	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	82273	58.518	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.040%
35) Dibromofluoromethane	7.722	113	72390	55.120	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.240%
50) Toluene-d8	10.185	98	304511	55.285	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	110.580%
62) 4-Bromofluorobenzene	12.483	95	102690	56.300	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	112.600%

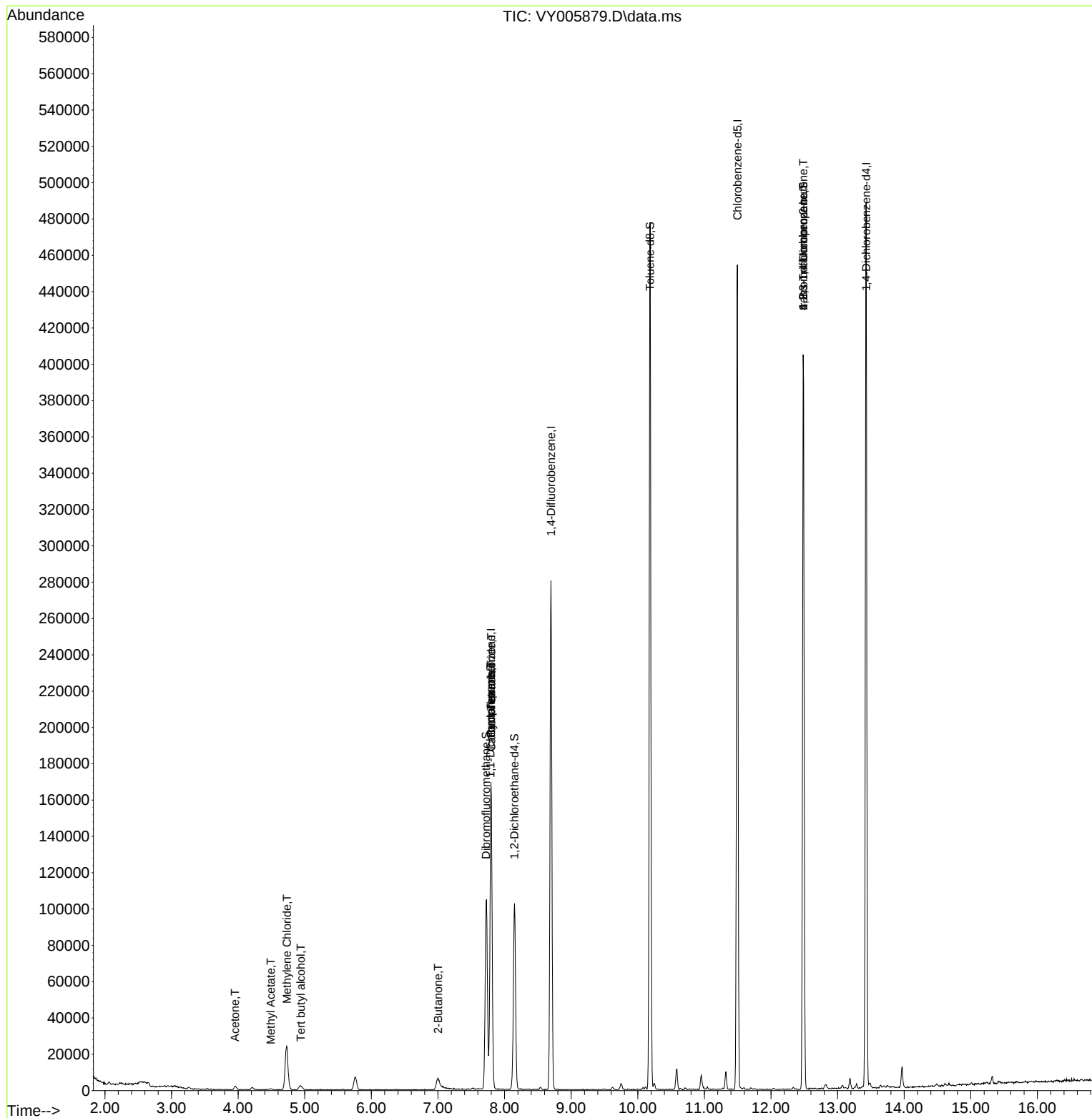
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	2791	20.081	ug/l #	73
16) Acetone	3.954	43	3230	9.112	ug/l #	78
18) Methyl Acetate	4.491	43	1137	1.226	ug/l #	82
20) Methylene Chloride	4.735	84	18052	7.720	ug/l	89
25) 2-Butanone	7.003	43	670	1.279	ug/l #	48
31) Cyclohexane	7.795	56	2624	1.088	ug/l #	10
36) 1,1-Dichloropropene	7.789	75	9850	4.477	ug/l #	49
38) Carbon Tetrachloride	7.801	117	12285	5.138	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	57041	43.669	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57041	88.032	ug/l #	11

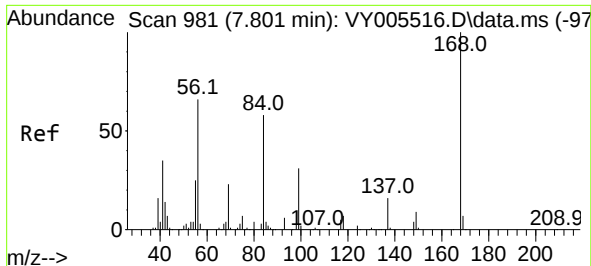
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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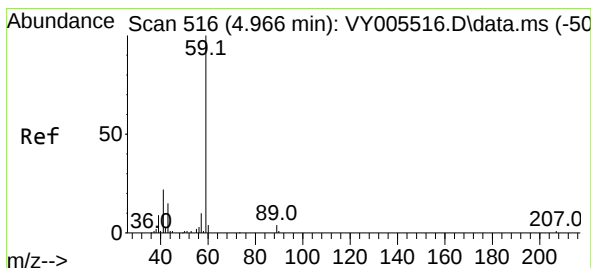
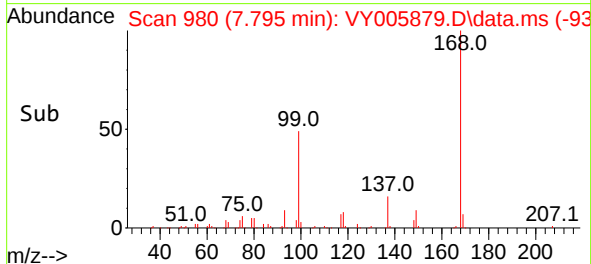
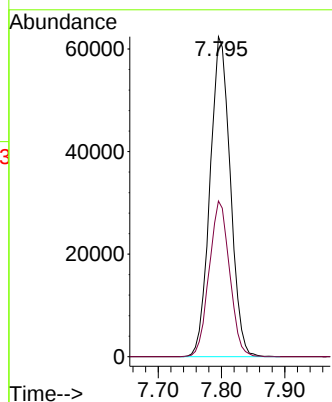
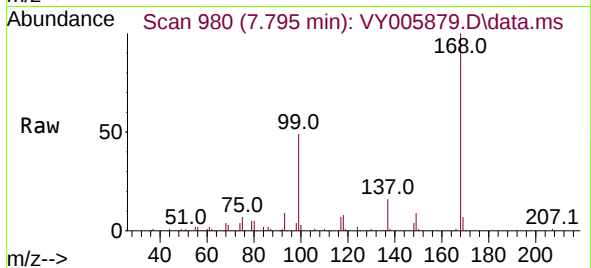




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

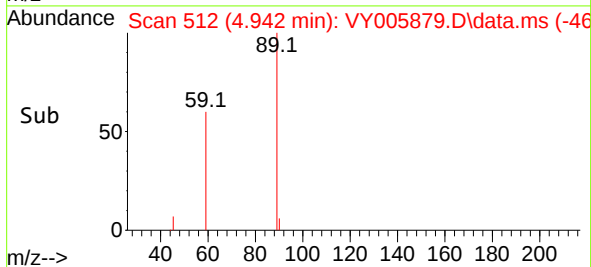
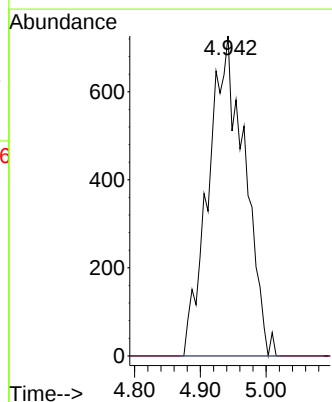
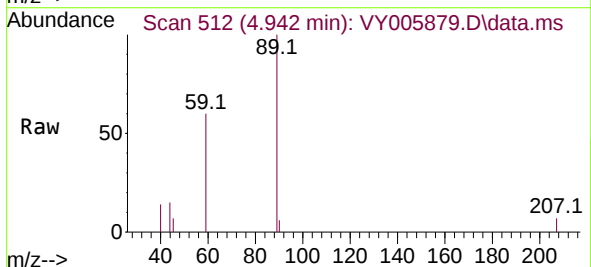
Instrument :
MSVOA_Y
ClientSampleId :

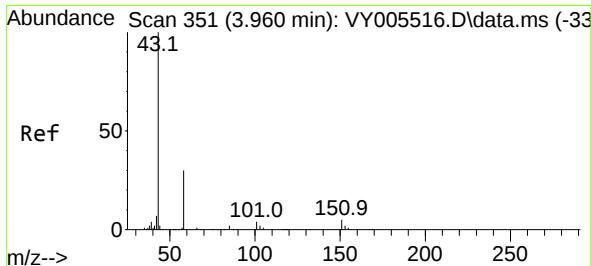
Tgt Ion:168 Resp: 138892
Ion Ratio Lower Upper
168 100
99 48.7 38.9 58.3



#11
Tert butyl alcohol
Concen: 20.081 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

Tgt Ion: 59 Resp: 2791
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

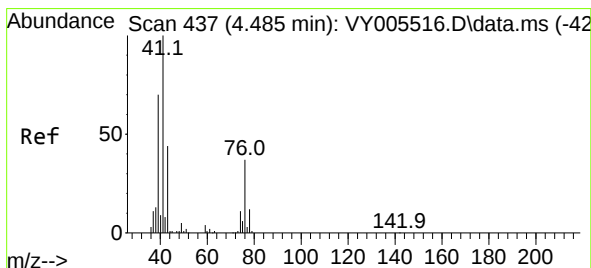
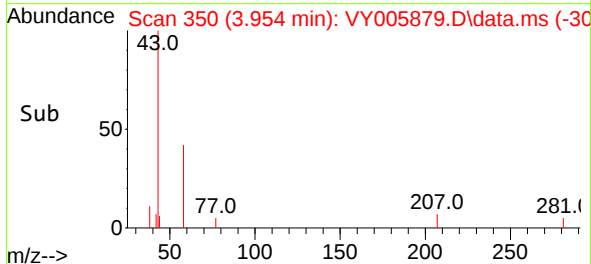
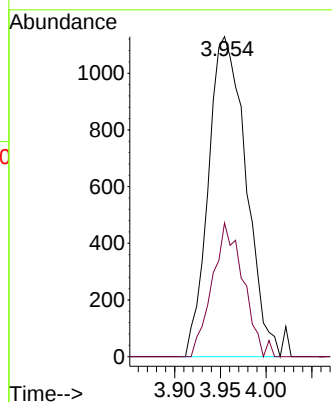
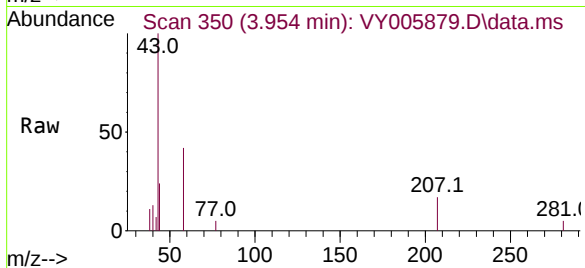




#16
Acetone
Concen: 9.112 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

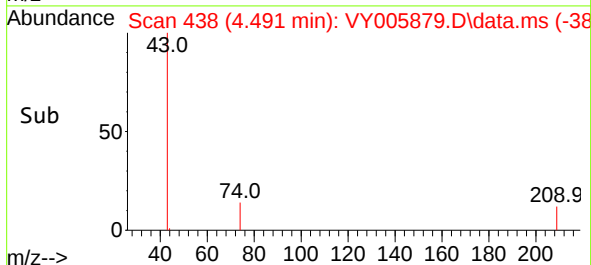
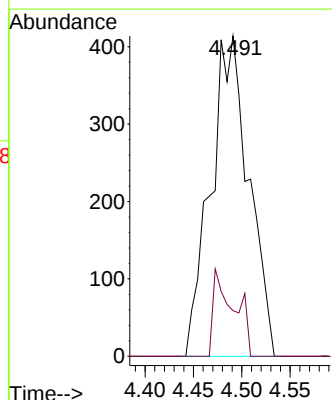
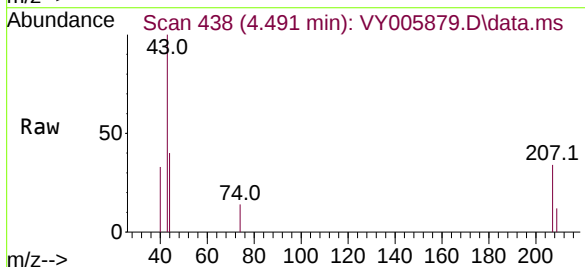
Instrument :
MSVOA_Y
ClientSampled :

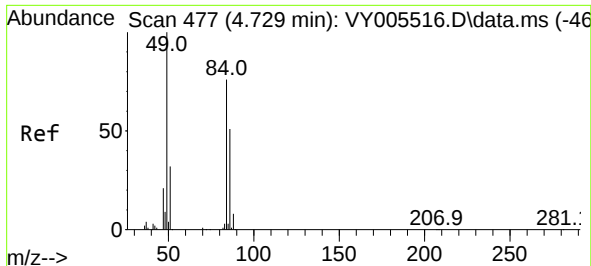
Tgt Ion: 43 Resp: 3230
Ion Ratio Lower Upper
43 100
58 41.8 23.8 35.6#



#18
Methyl Acetate
Concen: 1.226 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

Tgt Ion: 43 Resp: 1137
Ion Ratio Lower Upper
43 100
74 14.8 19.0 28.6#

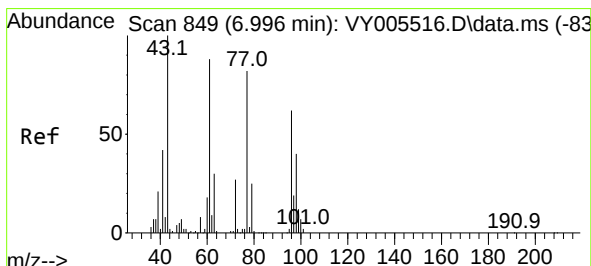
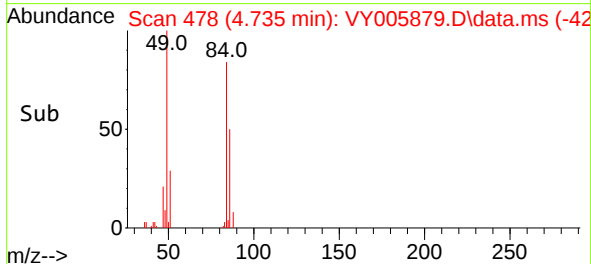
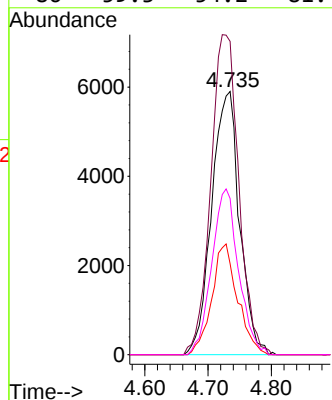
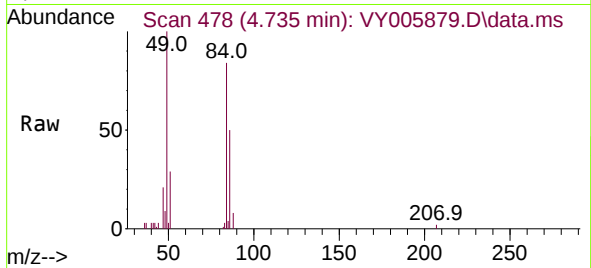




#20
Methylene Chloride
Concen: 7.720 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

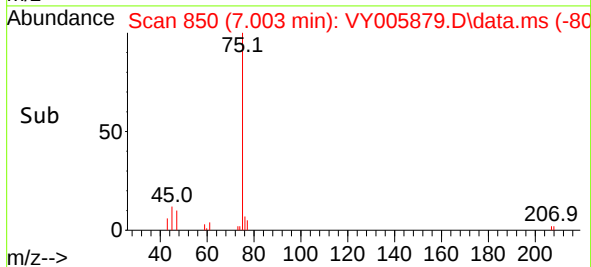
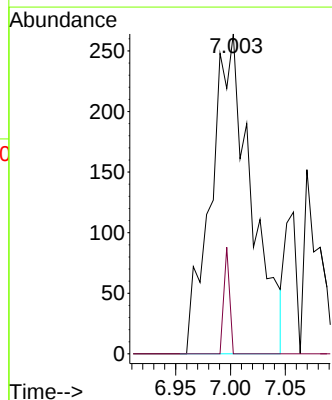
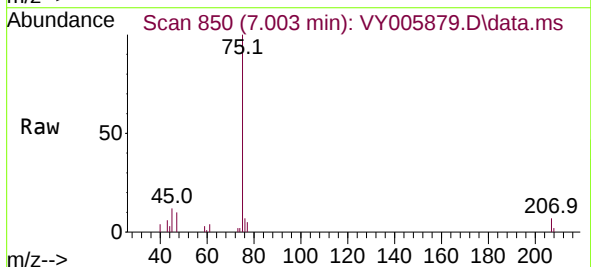
Instrument :
MSVOA_Y
ClientSampleId :

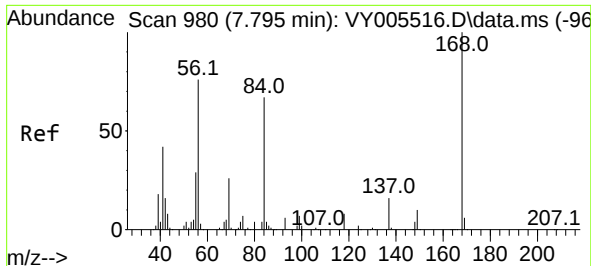
Tgt Ion:	84	Resp:	18052
Ion	Ratio	Lower	Upper
84	100		
49	119.0	105.8	158.6
51	34.5	33.4	50.2
86	59.3	54.2	81.4



#25
2-Butanone
Concen: 1.279 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

Tgt Ion:	43	Resp:	670
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.4	32.2#

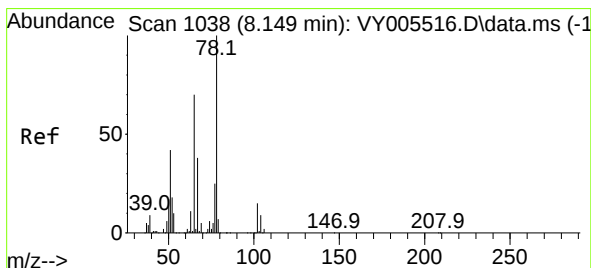
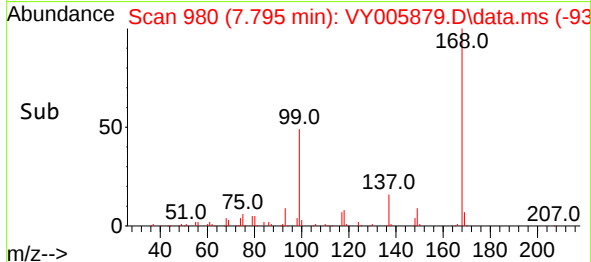
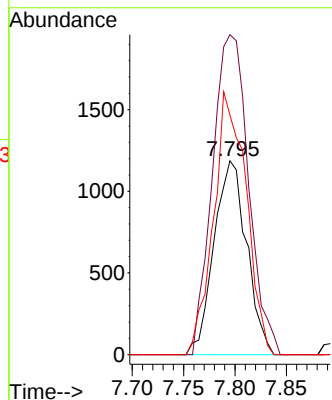
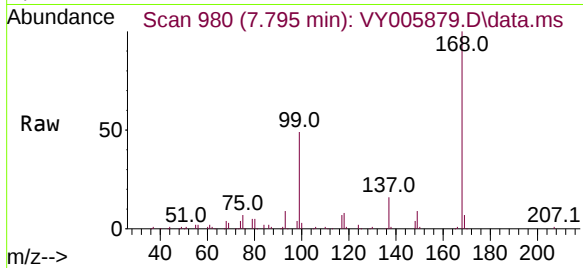




#31
Cyclohexane
Concen: 1.088 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

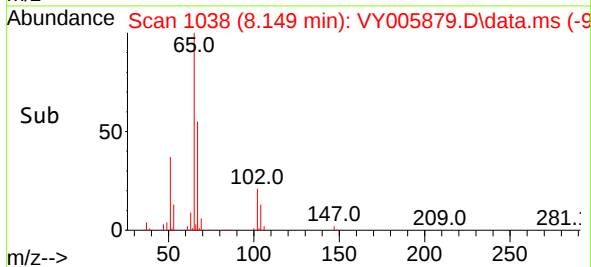
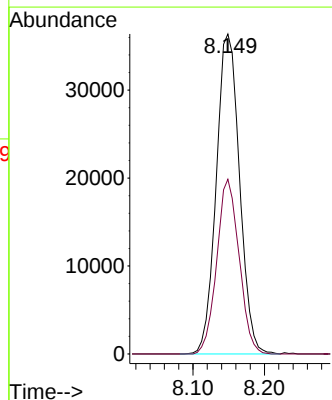
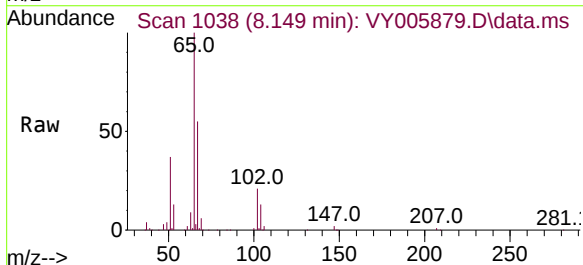
Instrument :
MSVOA_Y
ClientSampleId :

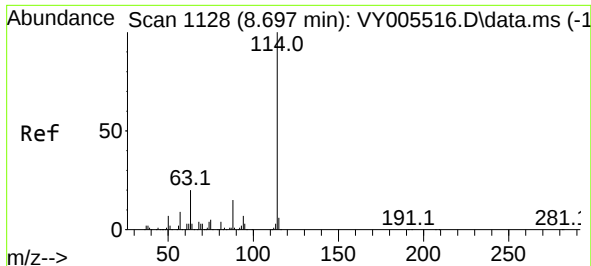
Tgt Ion: 56 Resp: 2624
Ion Ratio Lower Upper
56 100
69 165.0 27.7 41.5#
84 123.5 70.9 106.3#



#33
1,2-Dichloroethane-d4
Concen: 58.518 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

Tgt Ion: 65 Resp: 82273
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.4

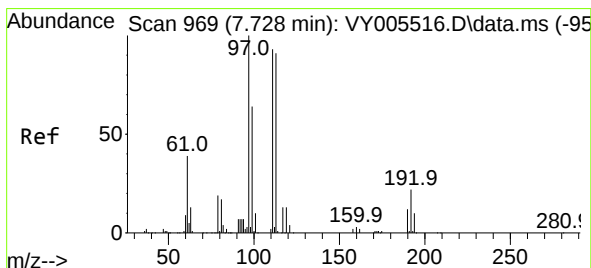
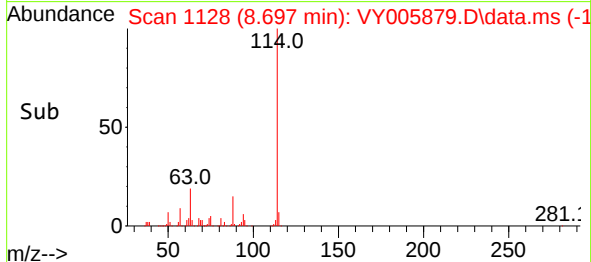
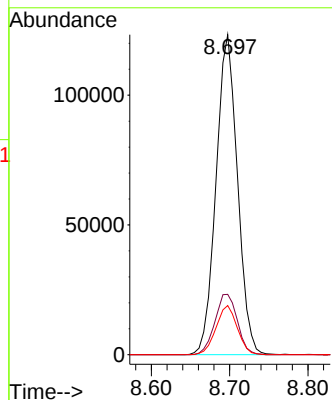
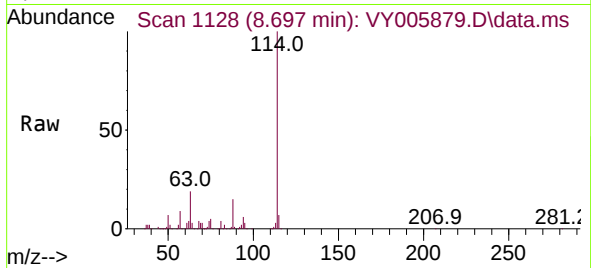




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

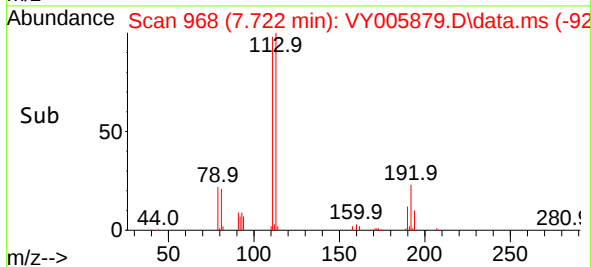
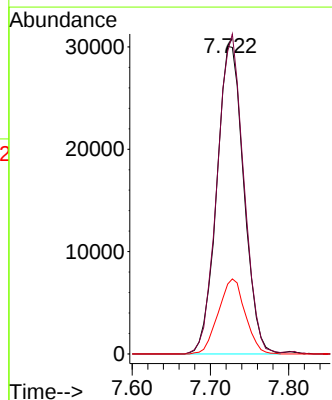
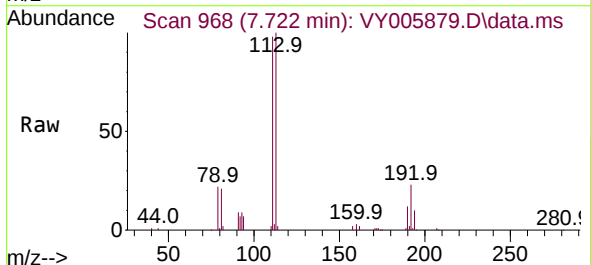
Instrument :
MSVOA_Y
ClientSampleId :

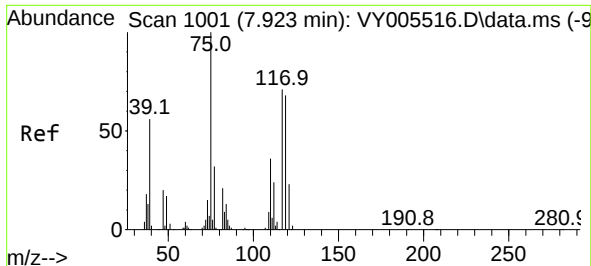
Tgt Ion:114 Resp: 234574
Ion Ratio Lower Upper
114 100
63 18.8 0.0 39.2
88 15.4 0.0 30.8



#35
Dibromofluoromethane
Concen: 55.120 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

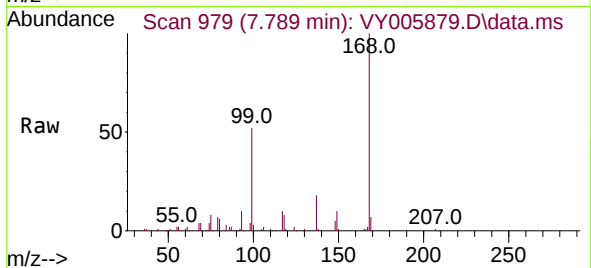
Tgt Ion:113 Resp: 72390
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 24.1 19.2 28.8



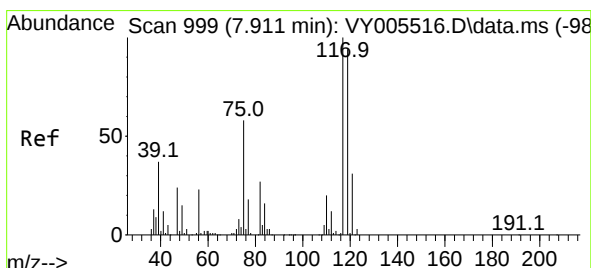
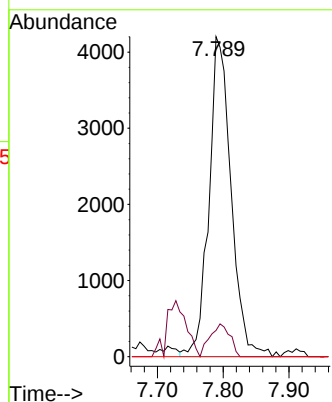
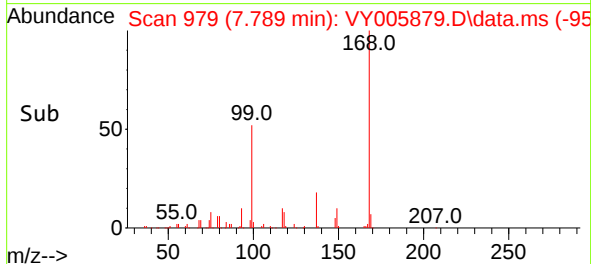


#36
 1,1-Dichloropropene
 Concen: 4.477 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.134 min
 Lab File: VY005879.D
 Acq: 27 Aug 2021 13:32

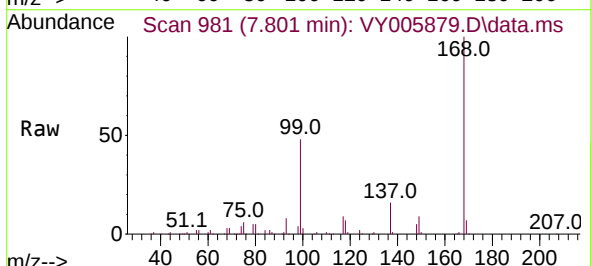
Instrument :
 MSVOA_Y
 ClientSampleId :



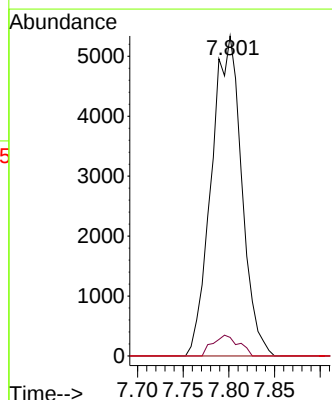
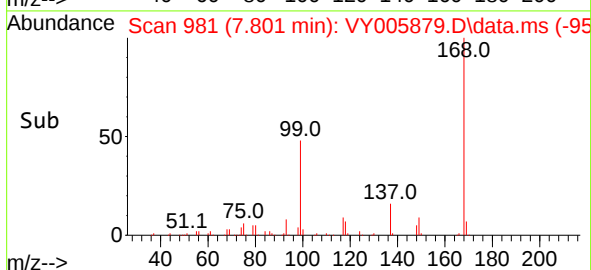
Tgt Ion:	75	Resp:	9850
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.1#
77	0.0	25.1	37.7#

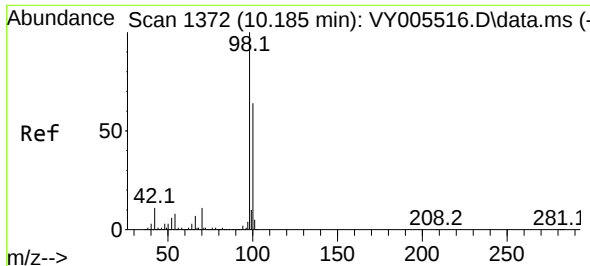


#38
 Carbon Tetrachloride
 Concen: 5.138 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.110 min
 Lab File: VY005879.D
 Acq: 27 Aug 2021 13:32



Tgt Ion:	117	Resp:	12285
Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.4	113.0#
121	0.0	25.1	37.7#

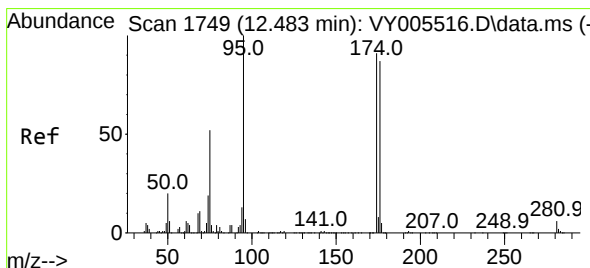
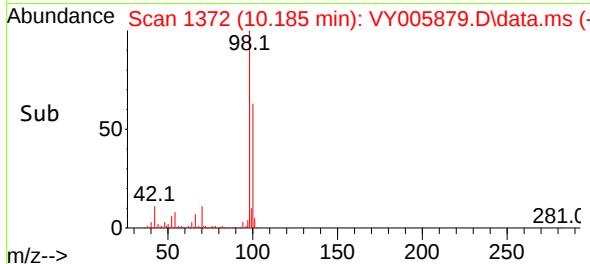
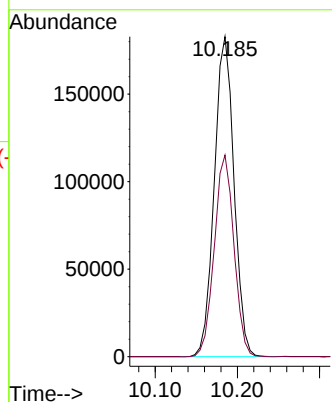
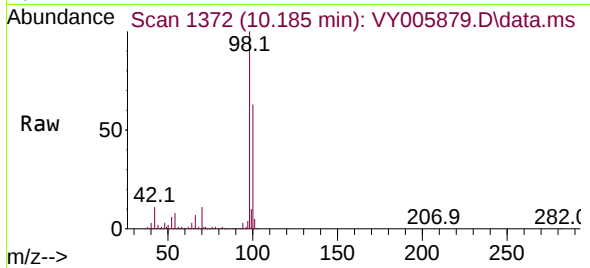




#50
Toluene-d8
Concen: 55.285 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

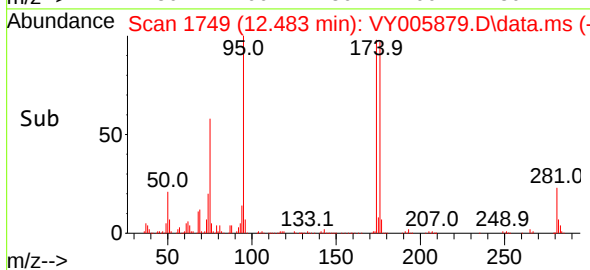
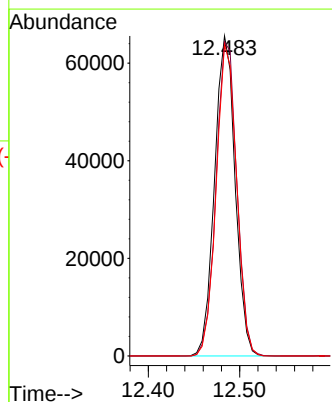
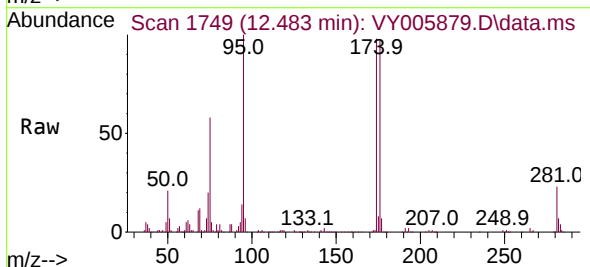
Instrument :
MSVOA_Y
ClientSampleId :

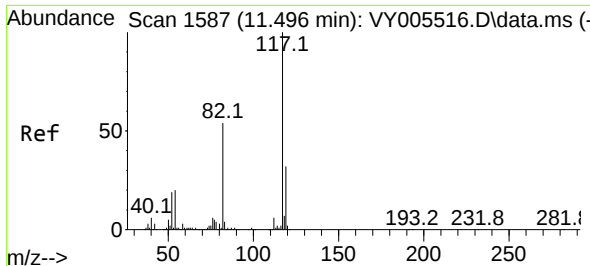
Tgt Ion: 98 Resp: 304511
Ion Ratio Lower Upper
98 100
100 62.9 51.3 76.9



#62
4-Bromofluorobenzene
Concen: 56.300 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

Tgt Ion: 95 Resp: 102690
Ion Ratio Lower Upper
95 100
174 98.9 0.0 191.4
176 96.1 0.0 183.6

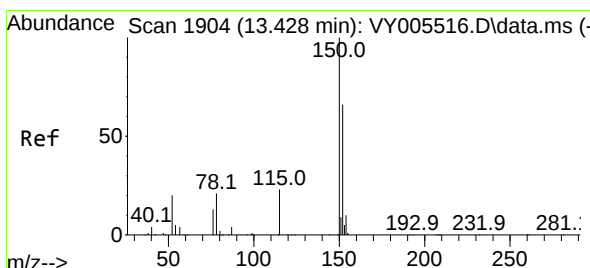
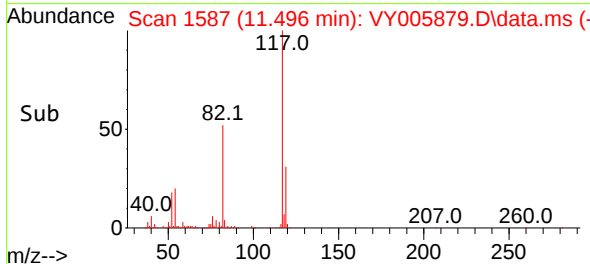
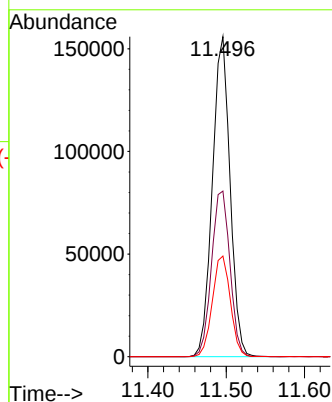
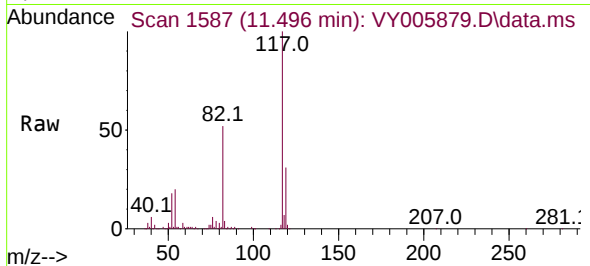




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

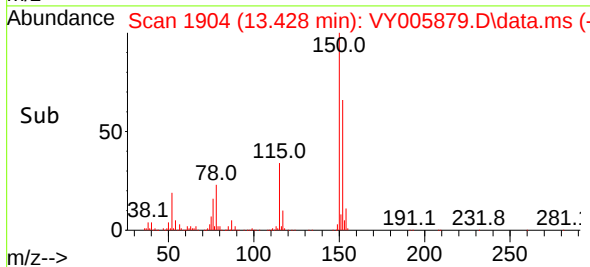
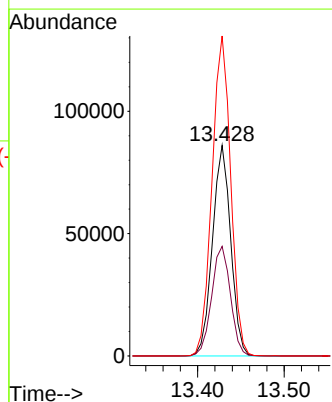
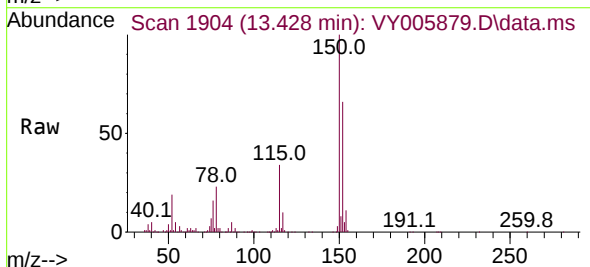
Instrument :
MSVOA_Y
ClientSampleId :

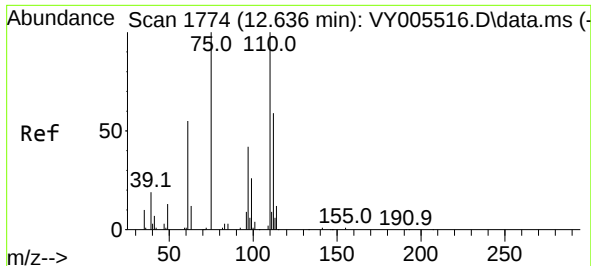
Tgt Ion:	117	Resp:	244203
Ion	Ratio	Lower	Upper
117	100		
82	51.7	43.5	65.3
119	31.5	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

Tgt Ion:	152	Resp:	126046
Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.3	81.9
150	155.1	0.0	350.2

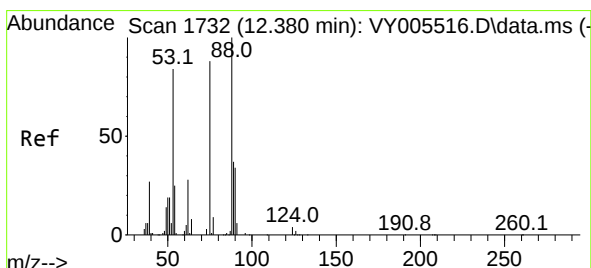
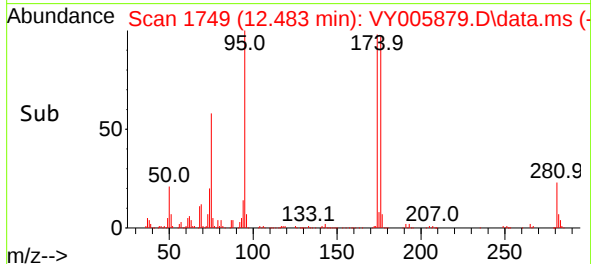
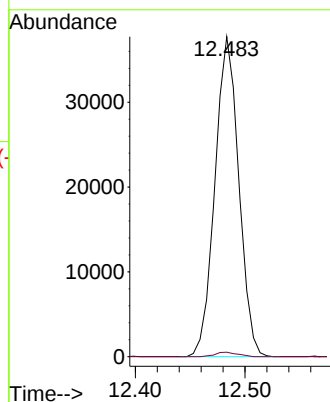
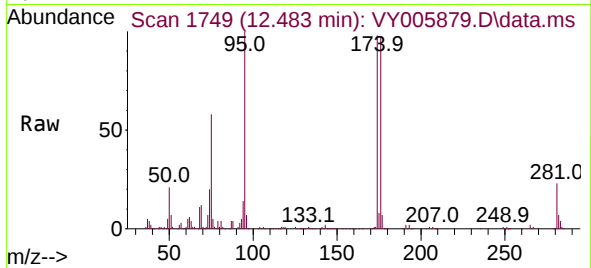




#76
1,2,3-Trichloropropane
Concen: 43.669 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 57041
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.032 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005879.D
Acq: 27 Aug 2021 13:32

Tgt Ion: 75 Resp: 57041
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.3 38.4 57.6#

