

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072221\
 Data File : VY005413.D
 Acq On : 22 Jul 2021 15:49
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 23 06:25:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 06:20:14 2021
 Response via : Initial Calibration

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

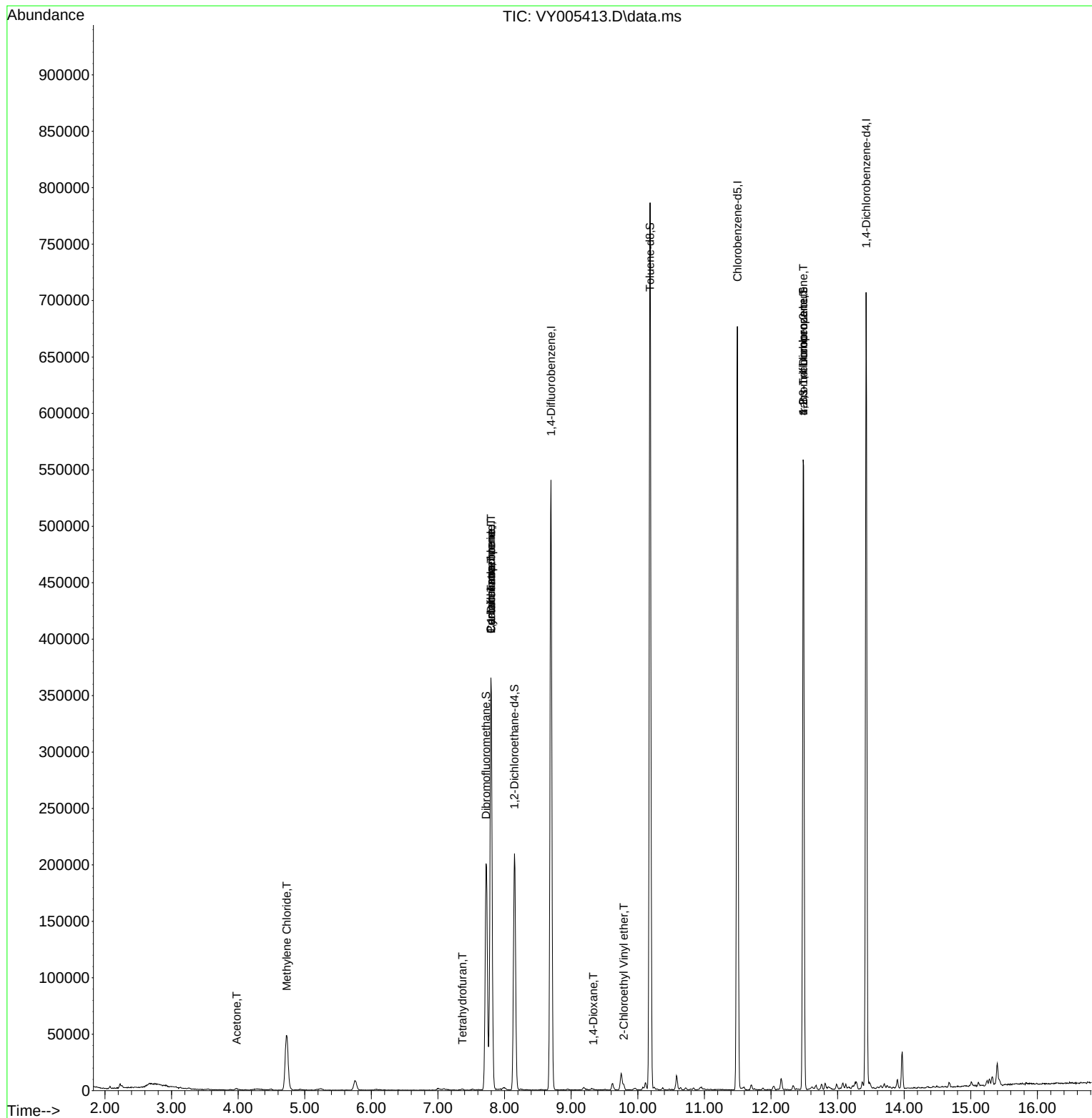
Internal Standards						
1) Pentafluorobenzene	7.795	168	295616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	450252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	359147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	181059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	173223	54.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.700%	
35) Dibromofluoromethane	7.722	113	137932	53.055	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.100%	
50) Toluene-d8	10.185	98	506379	45.955	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.920%	
62) 4-Bromofluorobenzene	12.483	95	157242	43.237	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.480%	
Target Compounds						
					Qvalue	
16) Acetone	3.979	43	2803	3.886	ug/l	97
20) Methylene Chloride	4.729	84	37920	8.096	ug/l	98
29) Tetrahydrofuran	7.368	42	729	1.019	ug/l #	78
31) Cyclohexane	7.795	56	5999	1.112	ug/l #	19
36) 1,1-Dichloropropene	7.795	75	20616	4.735	ug/l #	50
38) Carbon Tetrachloride	7.795	117	26662	5.604	ug/l #	17
49) 1,4-Dioxane	9.331	88	45	1.882	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.789	63	2015	1.147	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	86398	48.495	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	86398	94.164	ug/l #	11

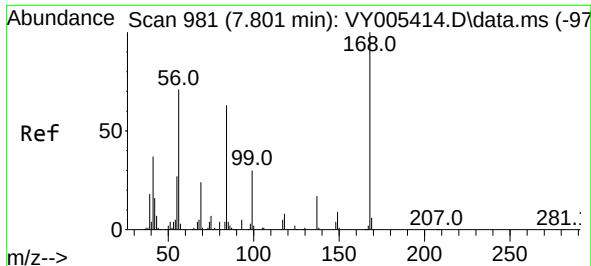
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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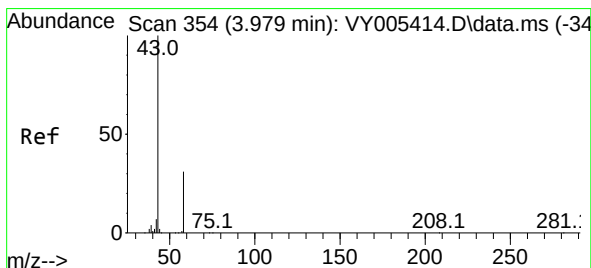
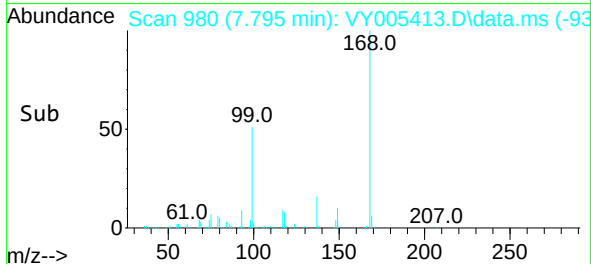
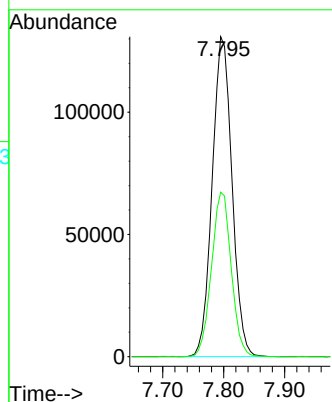
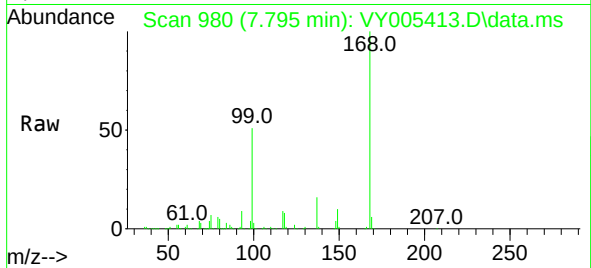




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

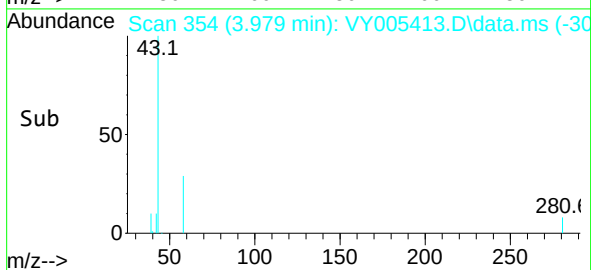
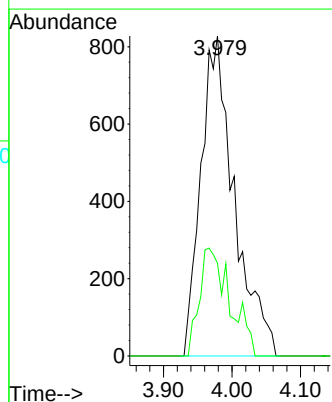
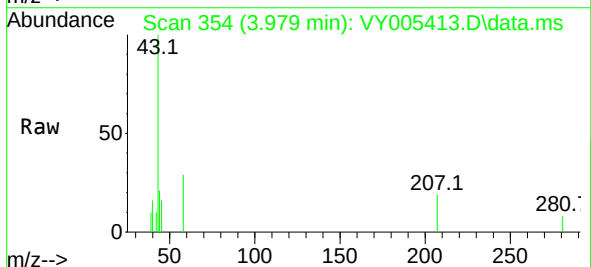
Instrument :
MSVOA_Y
ClientSampleId :

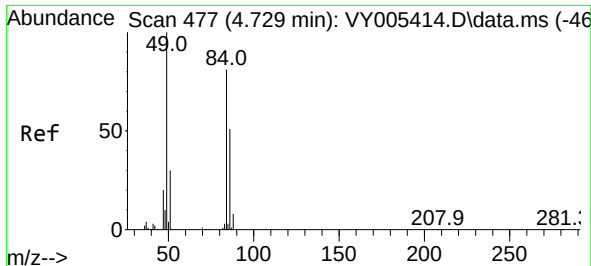
Tgt Ion:168 Resp: 295616
Ion Ratio Lower Upper
168 100
99 51.4 39.8 59.6



#16
Acetone
Concen: 3.886 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

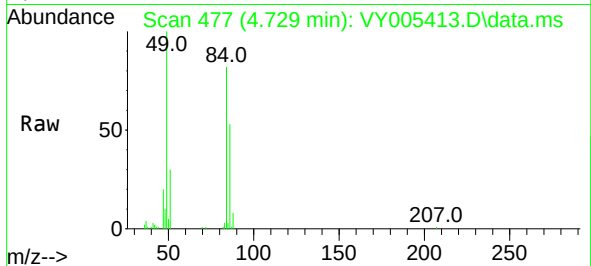
Tgt Ion: 43 Resp: 2803
Ion Ratio Lower Upper
43 100
58 29.0 24.5 36.7



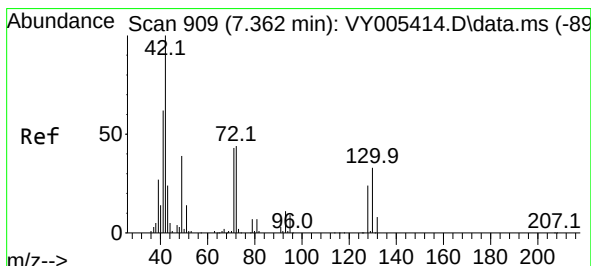
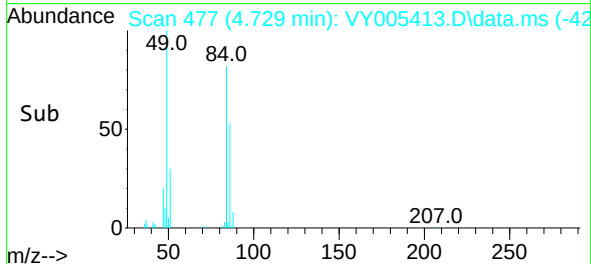
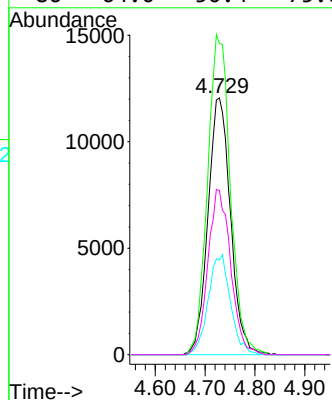


#20
Methylene Chloride
Concen: 8.096 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

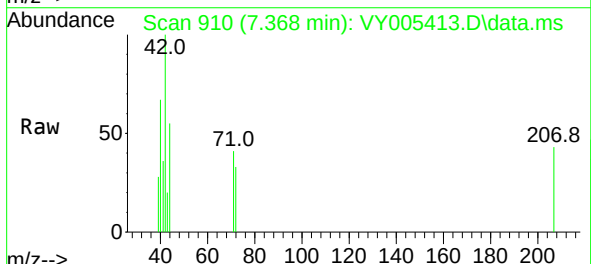
Instrument :
MSVOA_Y
ClientSampleId :



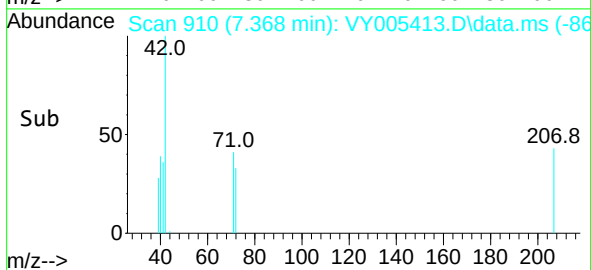
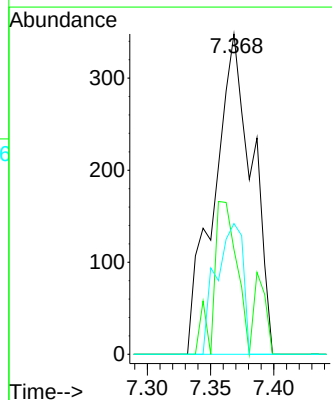
Tgt Ion:	84	Resp:	37920
Ion	Ratio	Lower	Upper
84	100		
49	121.2	98.9	148.3
51	36.9	30.0	45.0
86	64.0	50.4	75.6

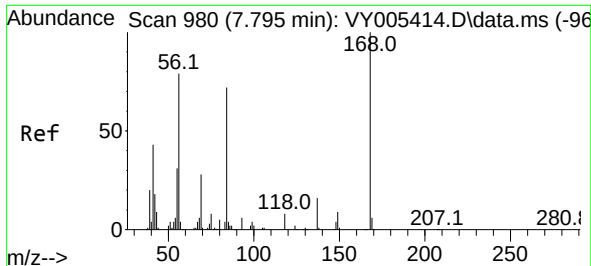


#29
Tetrahydrofuran
Concen: 1.019 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49



Tgt Ion:	42	Resp:	729
Ion	Ratio	Lower	Upper
42	100		
72	28.9	35.3	52.9#
71	28.7	33.4	50.2#

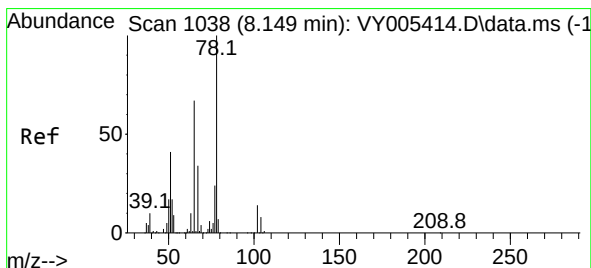
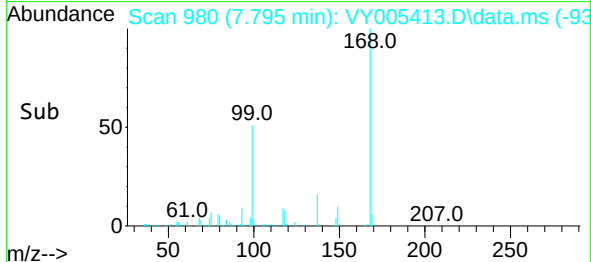
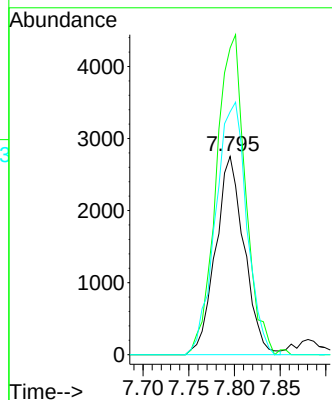
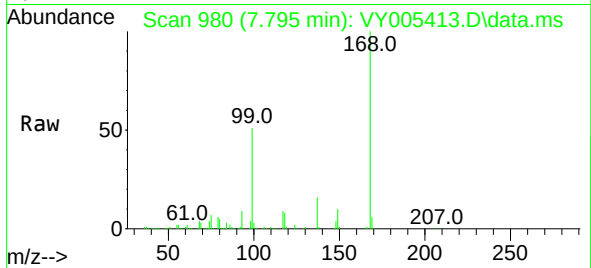




#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

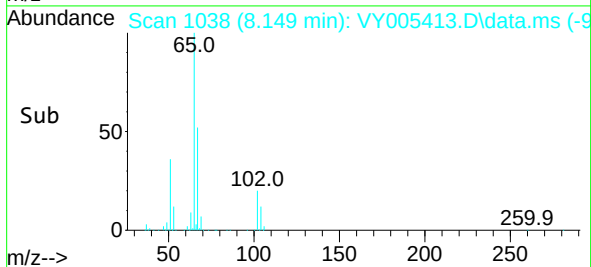
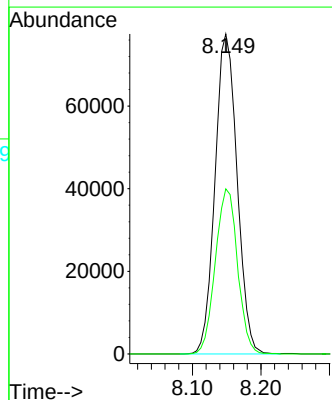
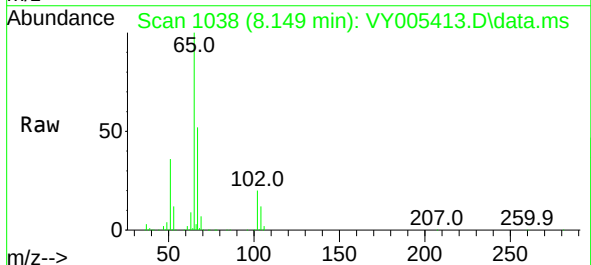
Instrument :
MSVOA_Y
ClientSampleId :

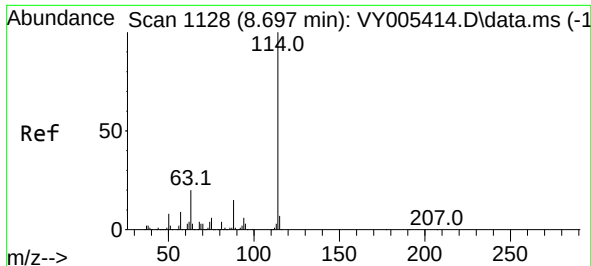
Tgt Ion: 56 Resp: 5999
Ion Ratio Lower Upper
56 100
69 154.7 28.7 43.1#
84 122.5 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 54.849 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

Tgt Ion: 65 Resp: 173223
Ion Ratio Lower Upper
65 100
67 51.8 0.0 102.2

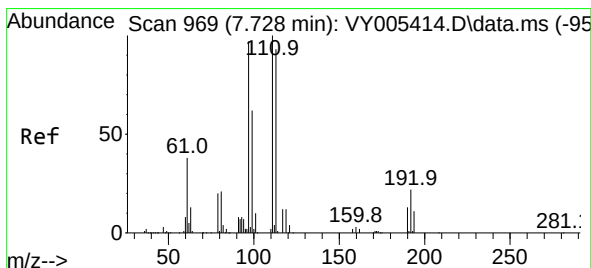
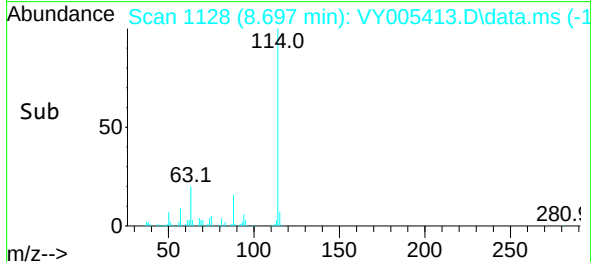
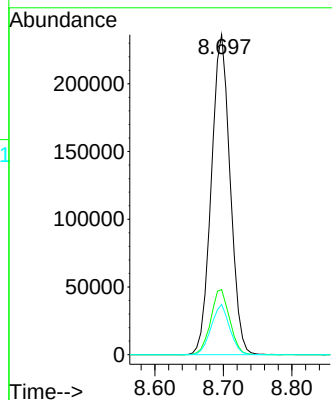
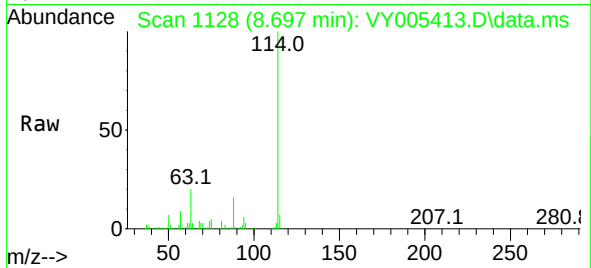




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

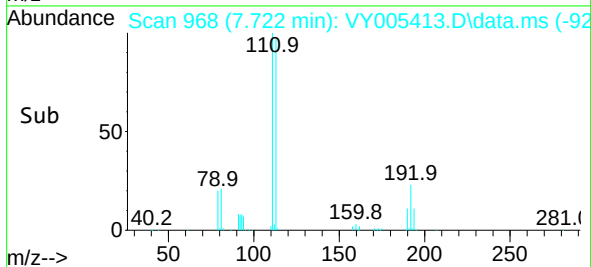
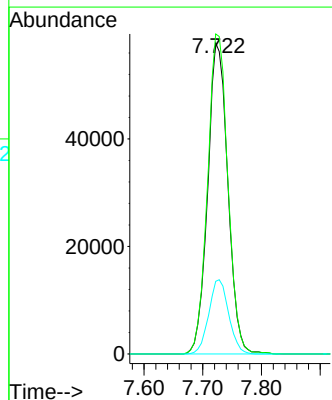
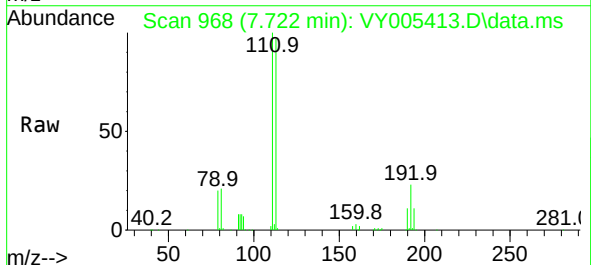
Instrument :
MSVOA_Y
ClientSampleId :

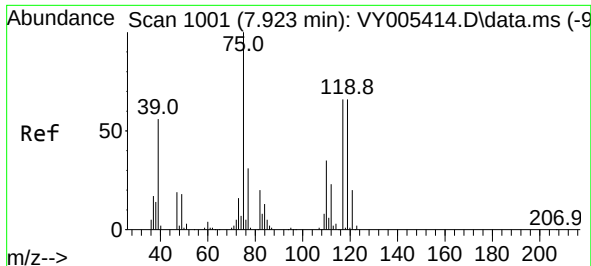
Tgt Ion:114 Resp: 450252
Ion Ratio Lower Upper
114 100
63 20.4 0.0 39.0
88 15.7 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.055 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

Tgt Ion:113 Resp: 137932
Ion Ratio Lower Upper
113 100
111 103.7 82.6 124.0
192 23.6 18.9 28.3





#36

1,1-Dichloropropene

Concen: 4.735 ug/l

RT: 7.795 min Scan# 980

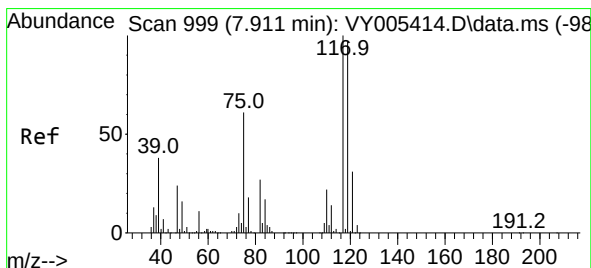
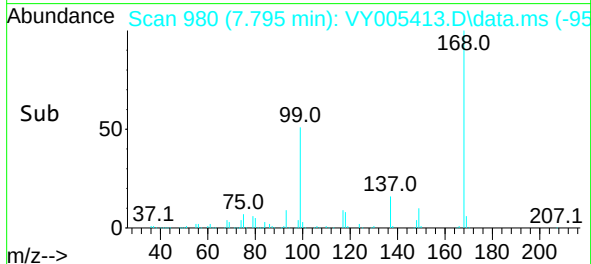
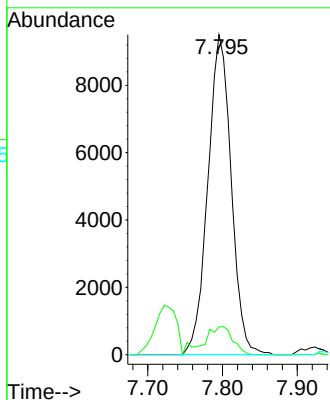
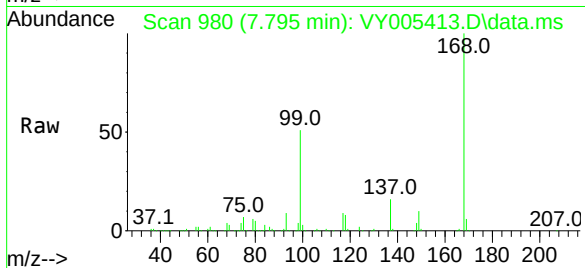
Delta R.T. -0.128 min

Lab File: VY005413.D

Acq: 22 Jul 2021 15:49

Tgt Ion:	75	Resp:	20616
Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.6	52.9#
77	0.0	24.6	37.0#

Instrument :
MSVOA_Y
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 5.604 ug/l

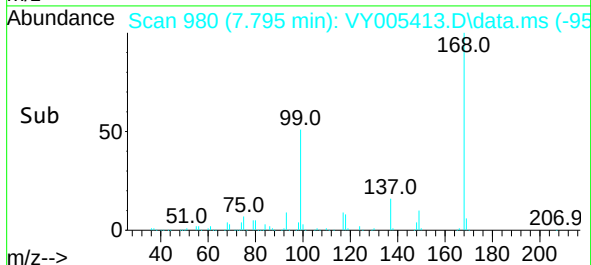
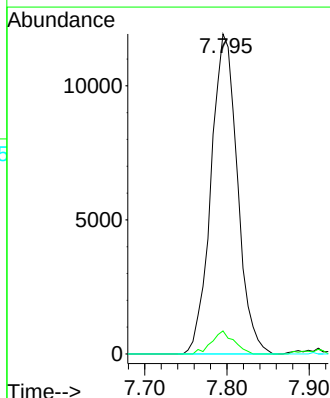
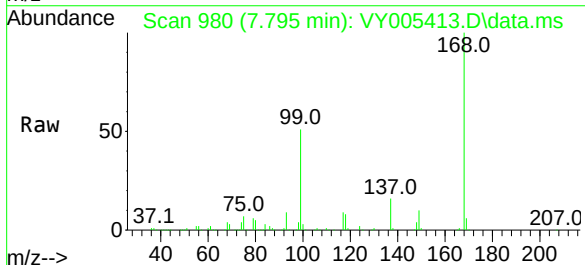
RT: 7.795 min Scan# 980

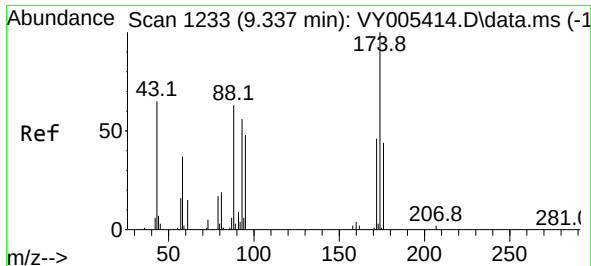
Delta R.T. -0.116 min

Lab File: VY005413.D

Acq: 22 Jul 2021 15:49

Tgt Ion:	117	Resp:	26662
Ion	Ratio	Lower	Upper
117	100		
119	7.2	77.2	115.8#
121	0.0	25.1	37.7#

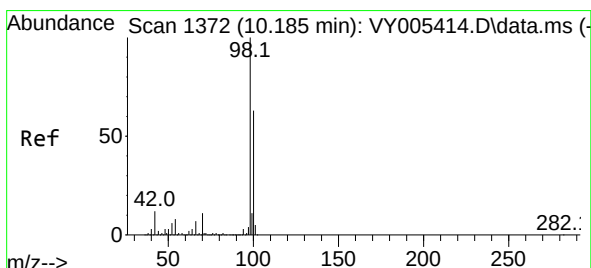
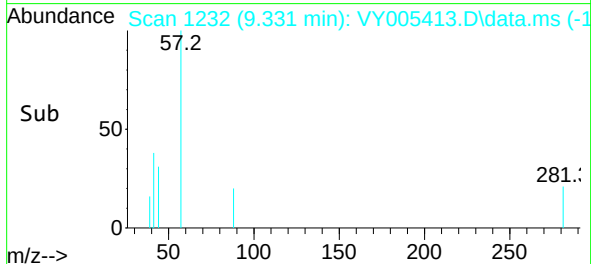
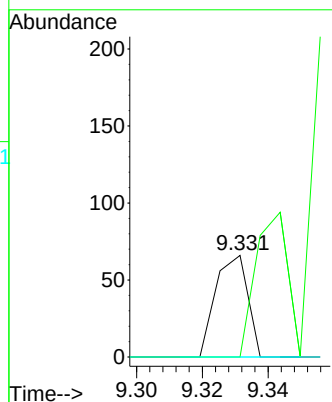
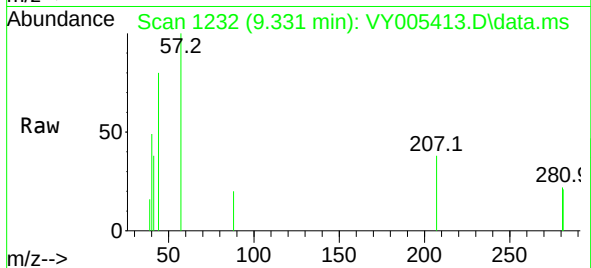




#49
1,4-Dioxane
Concen: 1.882 ug/l
RT: 9.331 min Scan# 1232
Delta R.T. -0.006 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

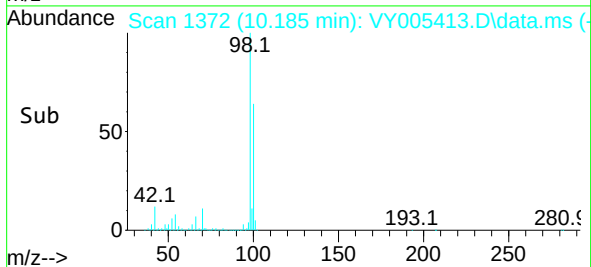
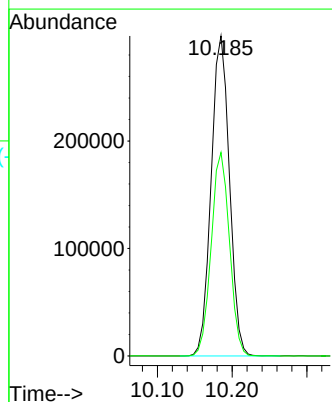
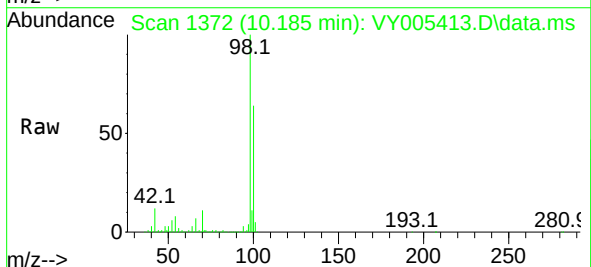
Instrument :
MSVOA_Y
ClientSampleId :

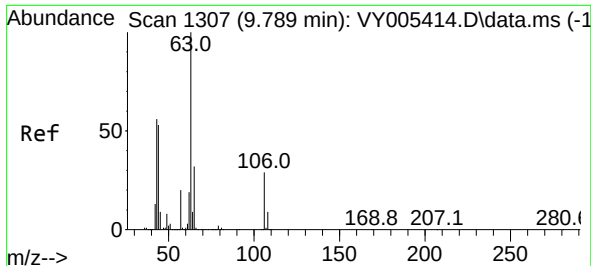
Tgt Ion: 88 Resp: 45
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 58.2 87.2#



#50
Toluene-d8
Concen: 45.955 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

Tgt Ion: 98 Resp: 506379
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3

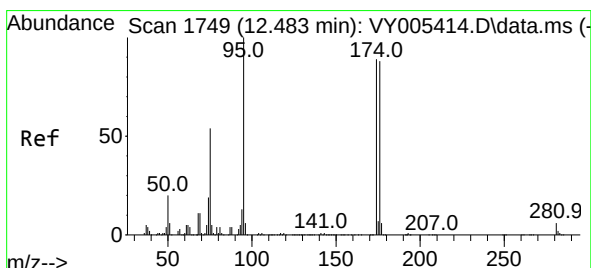
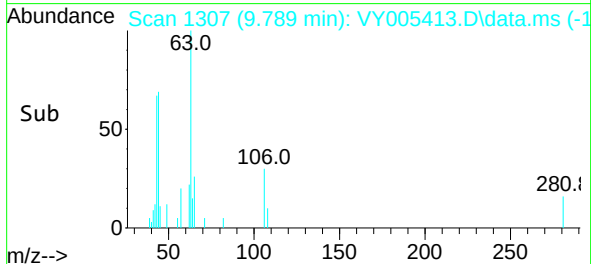
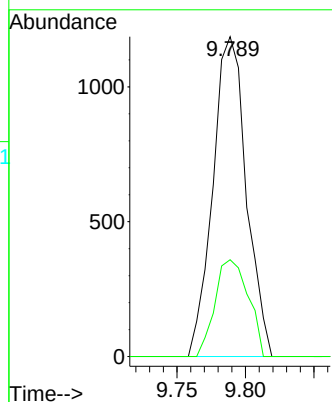
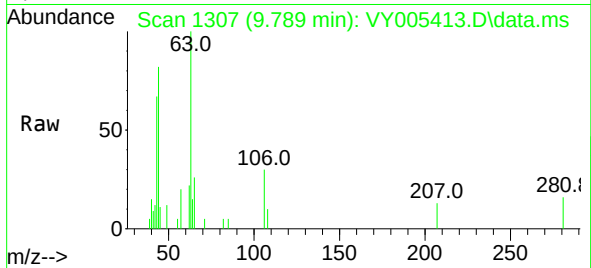




#58
2-Chloroethyl Vinyl ether
Concen: 1.147 ug/l
RT: 9.789 min Scan# 1307
Delta R.T. 0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

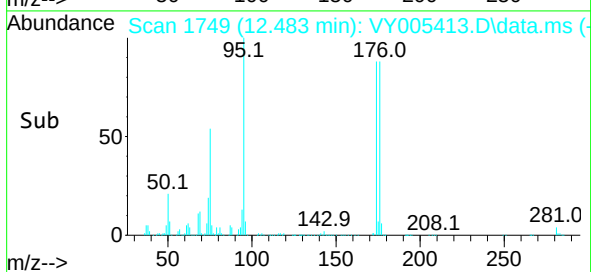
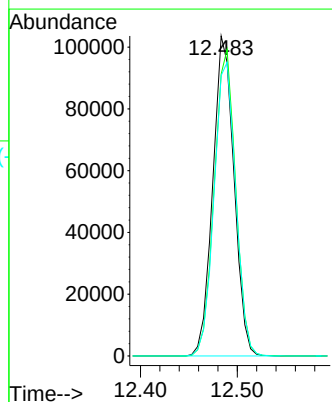
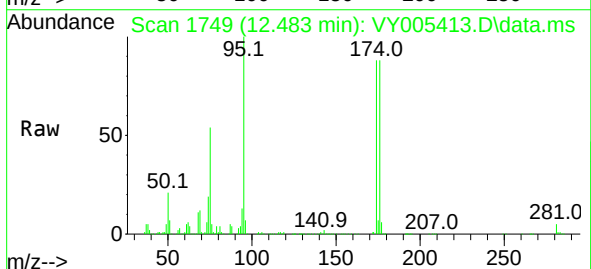
Instrument :
MSVOA_Y
ClientSampleId :

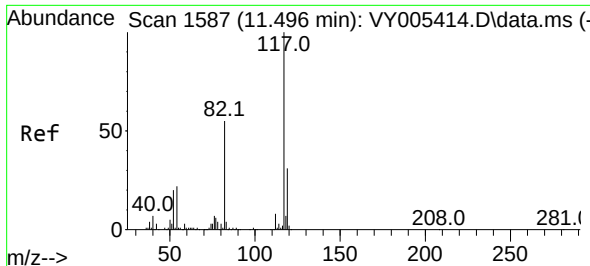
Tgt Ion: 63 Resp: 2015
Ion Ratio Lower Upper
63 100
106 30.1 23.0 34.4



#62
4-Bromofluorobenzene
Concen: 43.237 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

Tgt Ion: 95 Resp: 157242
Ion Ratio Lower Upper
95 100
174 96.6 0.0 186.6
176 94.2 0.0 182.4

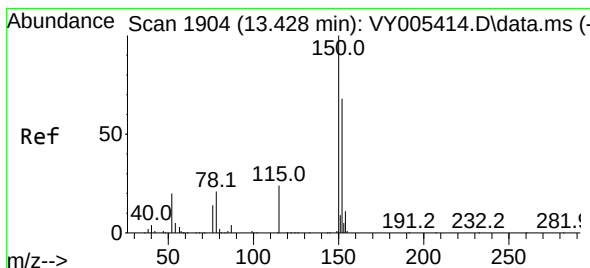
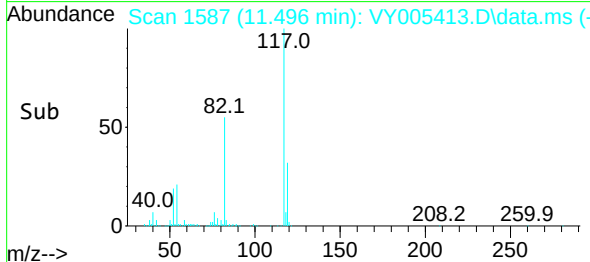
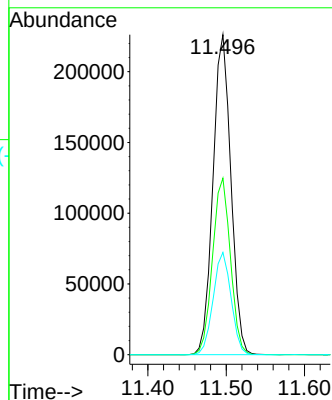
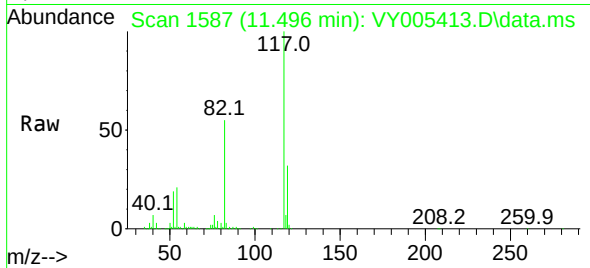




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

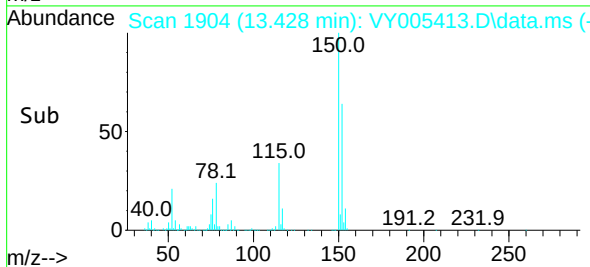
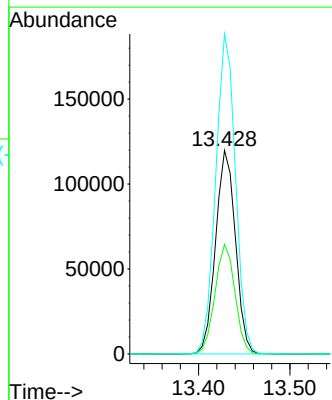
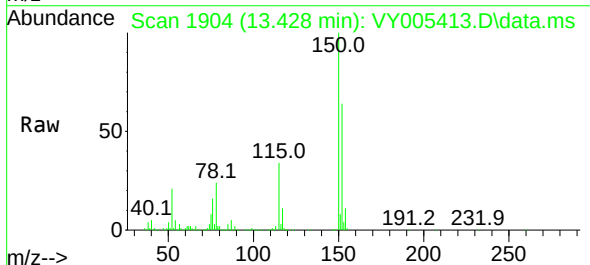
Instrument :
MSVOA_Y
ClientSampleId :

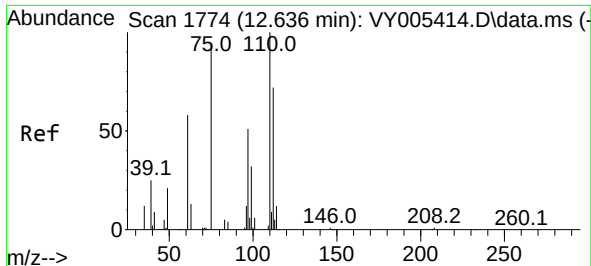
Tgt Ion:117 Resp: 359147
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.6
119 32.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

Tgt Ion:152 Resp: 181059
Ion Ratio Lower Upper
152 100
115 54.0 27.7 83.1
150 156.7 0.0 349.6

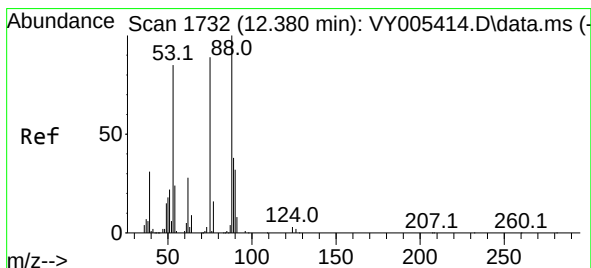
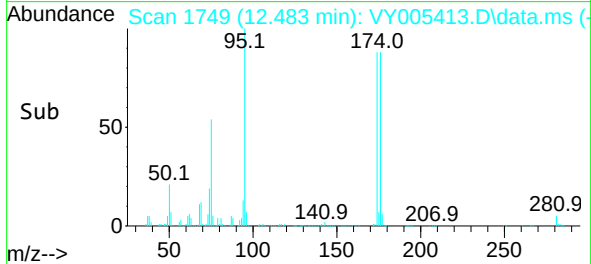
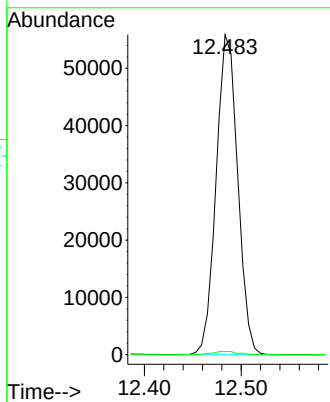
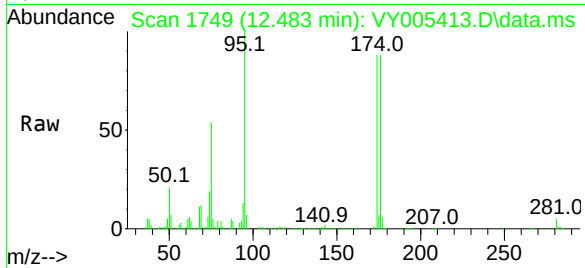




#76
1,2,3-Trichloropropane
Concen: 48.495 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 86398
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.164 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005413.D
Acq: 22 Jul 2021 15:49

Tgt Ion: 75 Resp: 86398
Ion Ratio Lower Upper
75 100
53 0.0 76.1 114.1#
89 0.0 36.9 55.3#

