

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042121\
 Data File : VY004558.D
 Acq On : 21 Apr 2021 16:10
 Operator : SY/MD
 Sample : M2111-06
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 22 11:09:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042121W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 22 08:25:55 2021
 Response via : Initial Calibration

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

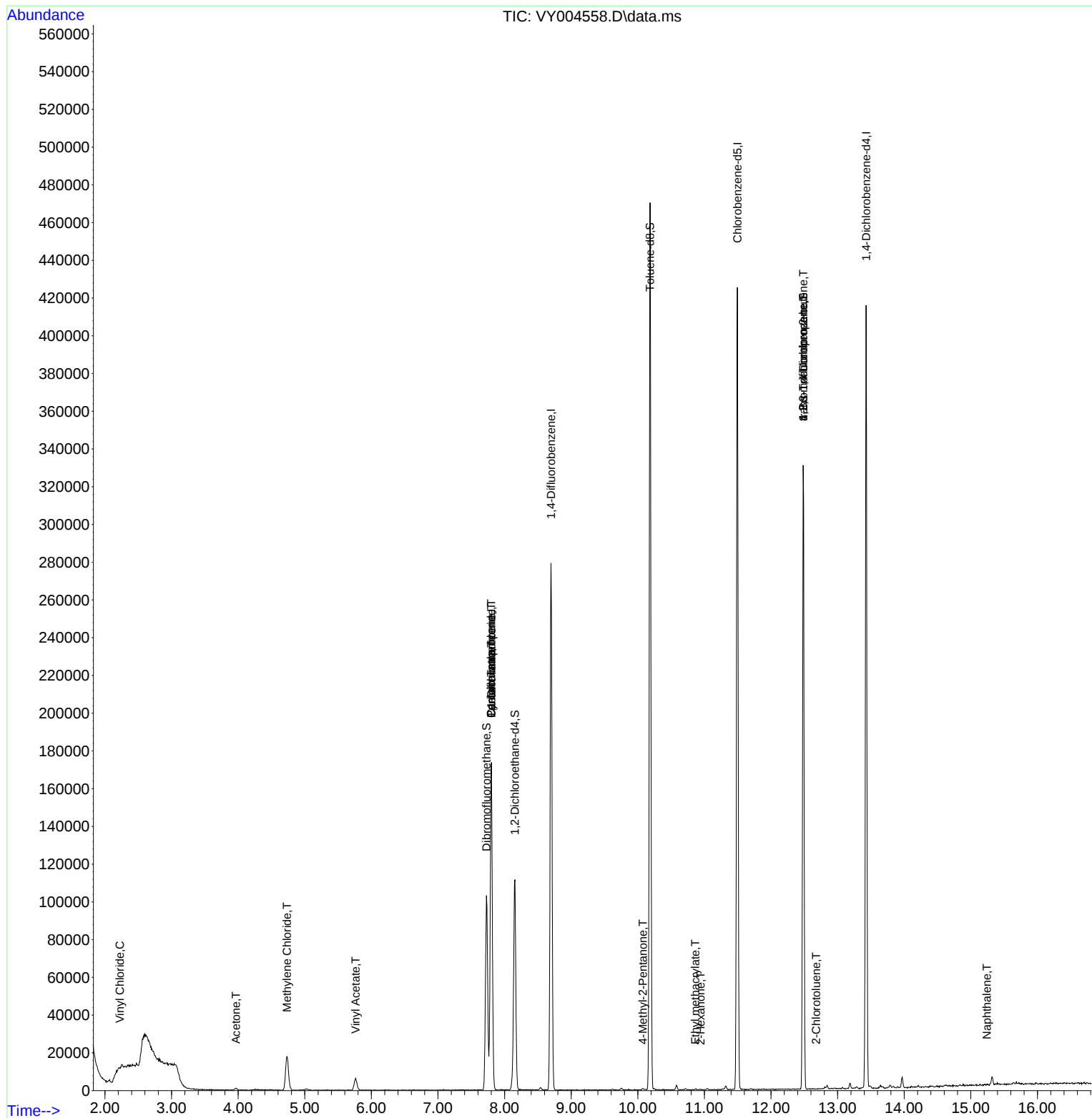
Internal Standards						
1) Pentafluorobenzene	7.801	168	128652	50.00	ug/l	0.21
34) 1,4-Difluorobenzene	8.697	114	228914	50.00	ug/l	0.18
63) Chlorobenzene-d5	11.496	117	215246	50.00	ug/l	0.15
72) 1,4-Dichlorobenzene-d4	13.428	152	96446	50.00	ug/l	0.14
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	85221	54.22	ug/l	0.20
Spiked Amount 50.000			Recovery	=	108.44%	
35) Dibromofluoromethane	7.728	113	69612	48.56	ug/l	0.22
Spiked Amount 50.000			Recovery	=	97.12%	
50) Toluene-d8	10.185	98	283990	50.80	ug/l	0.16
Spiked Amount 50.000			Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.483	95	94396	49.30	ug/l	0.14
Spiked Amount 50.000			Recovery	=	98.60%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.223	62	6831	3.71	ug/l #	43
16) Acetone	3.966	43	1730	2.94	ug/l #	83
20) Methylene Chloride	4.735	84	12718	7.27	ug/l	94
23) Vinyl Acetate	5.765	43	3057	0.78	ug/l #	51
31) Cyclohexane	7.801	56	3042	1.19	ug/l #	34
36) 1,1-Dichloropropene	7.801	75	10569	4.97	ug/l #	49
38) Carbon Tetrachloride	7.801	117	13266	6.55	ug/l #	17
51) 4-Methyl-2-Pentanone	10.075	43	714	0.36	ug/l	91
56) Ethyl methacrylate	10.862	69	41	3.16	ug/l #	1
59) 2-Hexanone	10.941	43	41	16.66	ug/l #	23
76) 1,2,3-Trichloropropane	12.483	75	52077	25.23	ug/l #	100
79) 2-Chlorotoluene	12.678	91	25	0.94	ug/l #	40
81) trans-1,4-Dichloro-2-b...	12.483	75	52082	74.28	ug/l #	12
95) Naphthalene	15.239	128	355	1.92	ug/l #	69

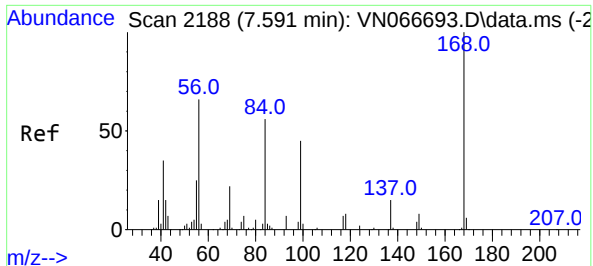
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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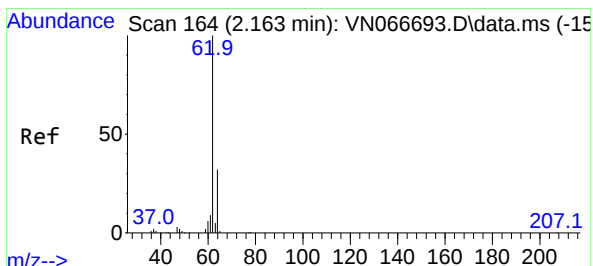
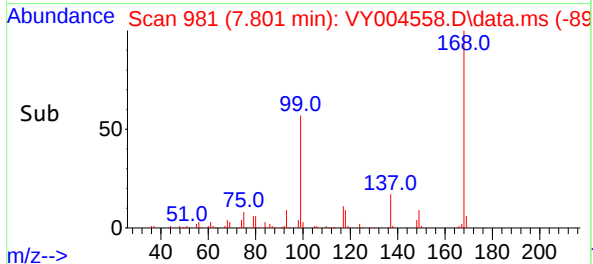
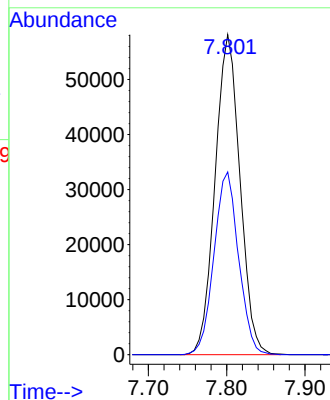
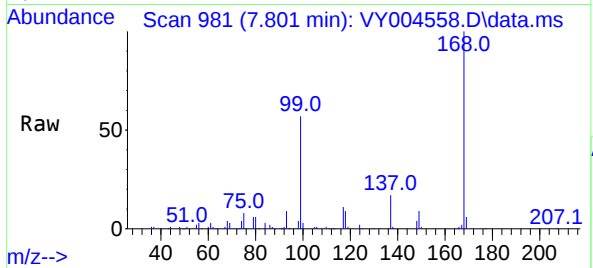




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.210 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

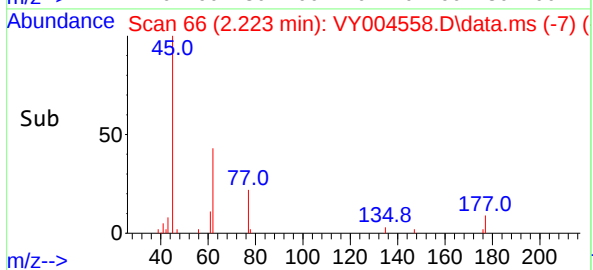
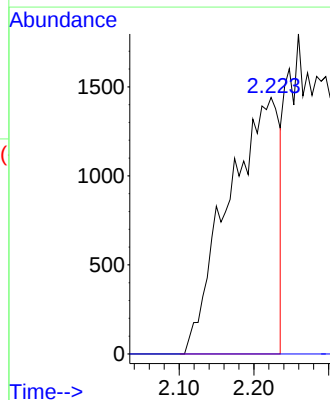
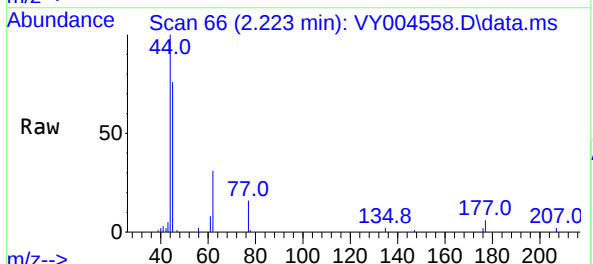
Instrument :
MSVOA_Y
ClientSampled :

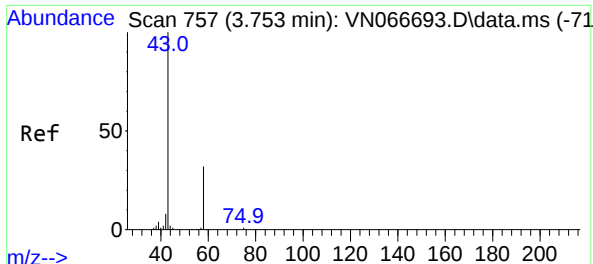
Tgt Ion:168 Resp: 128652
Ion Ratio Lower Upper
168 100
99 57.1 42.6 63.8



#4
Vinyl Chloride
Concen: 3.71 ug/l
RT: 2.223 min Scan# 66
Delta R.T. 0.060 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

Tgt Ion: 62 Resp: 6831
Ion Ratio Lower Upper
62 100
64 0.0 25.1 37.7#





#16

Acetone

Concen: 2.94 ug/l

RT: 3.966 min Scan# 352

Delta R.T. 0.213 min

Lab File: VY004558.D

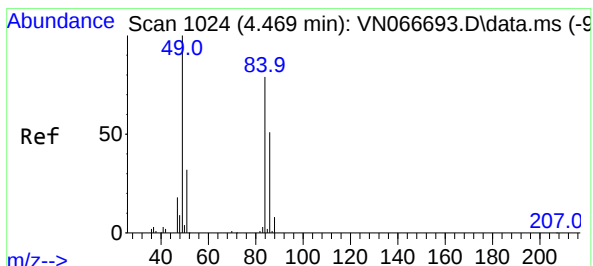
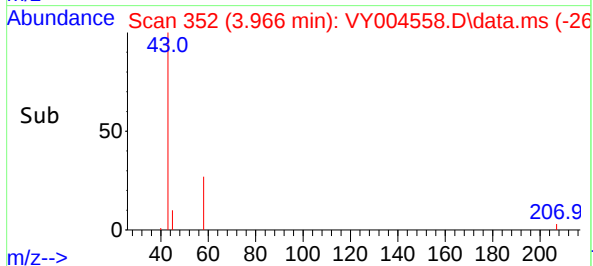
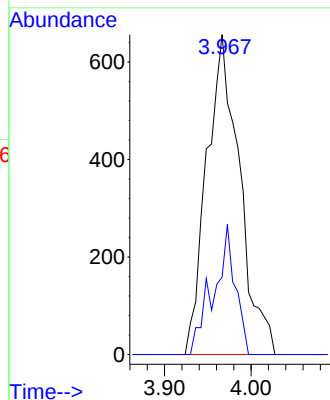
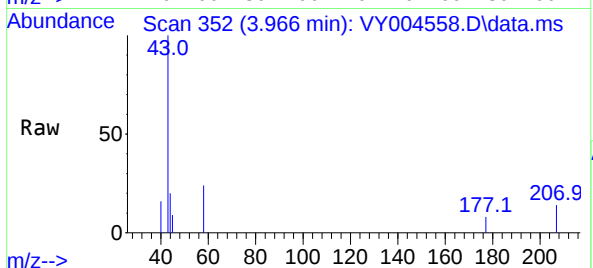
Acq: 21 Apr 2021 16:10

Tgt Ion: 43 Resp: 1730

Ion Ratio Lower Upper

43 100

58 24.2 27.0 40.6#



#20

Methylene Chloride

Concen: 7.27 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.266 min

Lab File: VY004558.D

Acq: 21 Apr 2021 16:10

Tgt Ion: 84 Resp: 12718

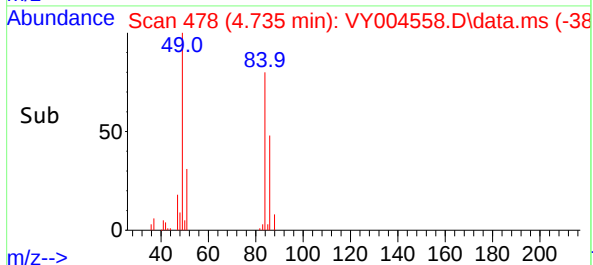
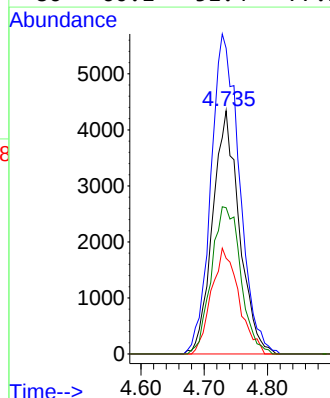
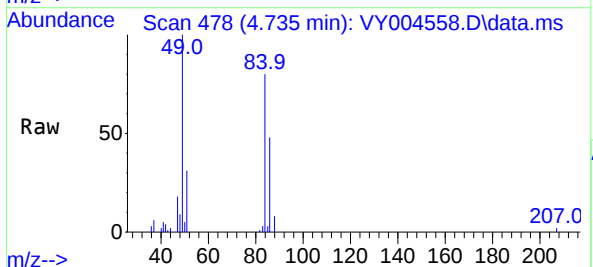
Ion Ratio Lower Upper

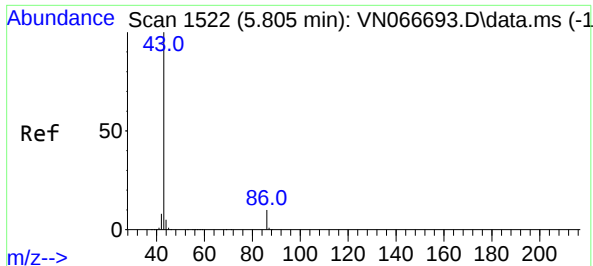
84 100

49 125.7 94.6 141.8

51 39.4 29.9 44.9

86 60.1 51.4 77.2

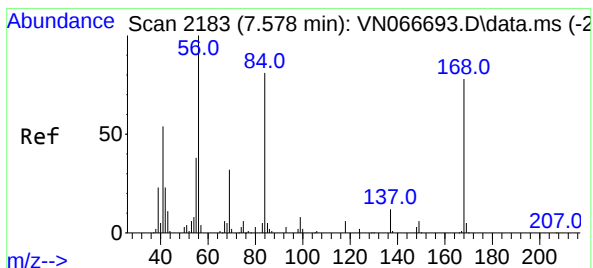
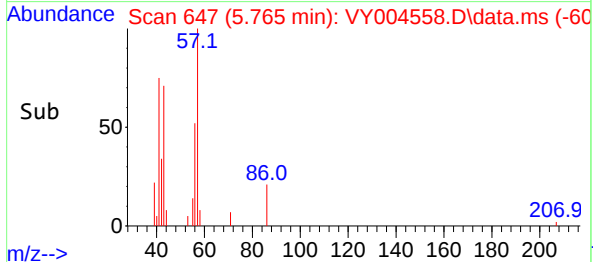
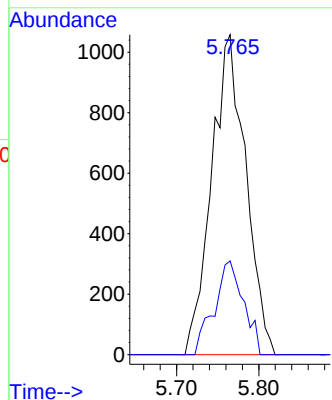
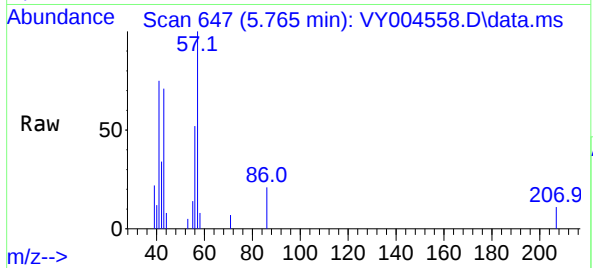




#23
 Vinyl Acetate
 Concen: 0.78 ug/l
 RT: 5.765 min Scan# 647
 Delta R.T. -0.040 min
 Lab File: VY004558.D
 Acq: 21 Apr 2021 16:10

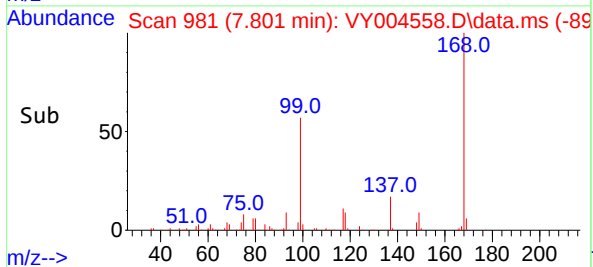
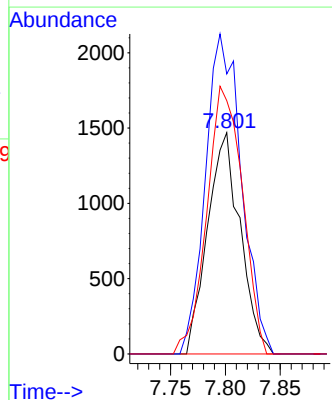
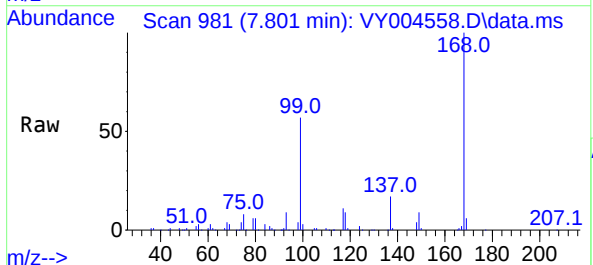
Instrument :
 MSVOA_Y
 ClientSampled :

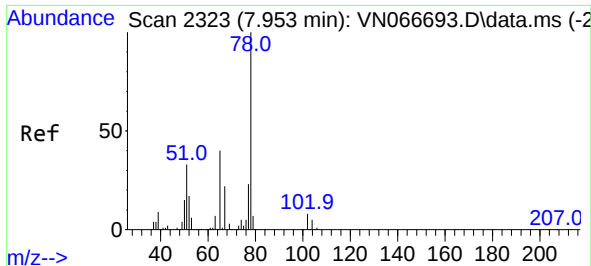
Tgt Ion: 43 Resp: 3057
 Ion Ratio Lower Upper
 43 100
 86 29.3 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.19 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. 0.223 min
 Lab File: VY004558.D
 Acq: 21 Apr 2021 16:10

Tgt Ion: 56 Resp: 3042
 Ion Ratio Lower Upper
 56 100
 69 126.5 26.6 39.8#
 84 114.5 70.4 105.6#

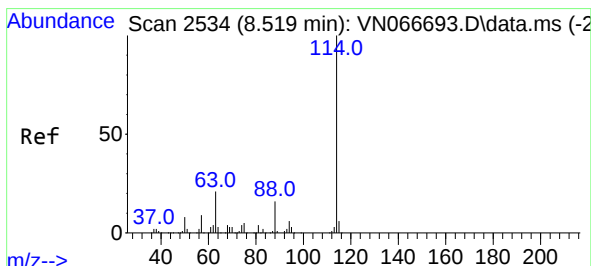
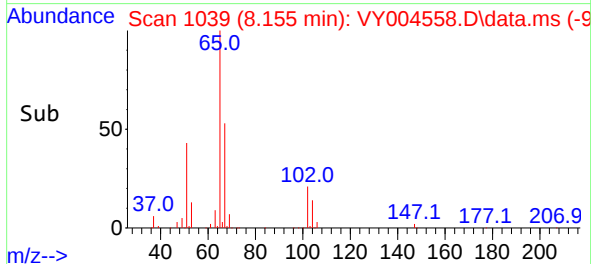
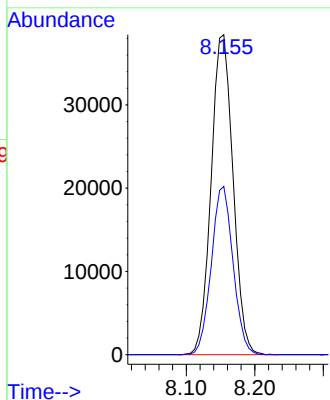
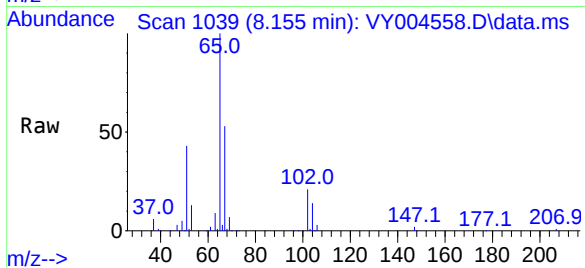




#33
1,2-Dichloroethane-d4
Concen: 54.22 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.202 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

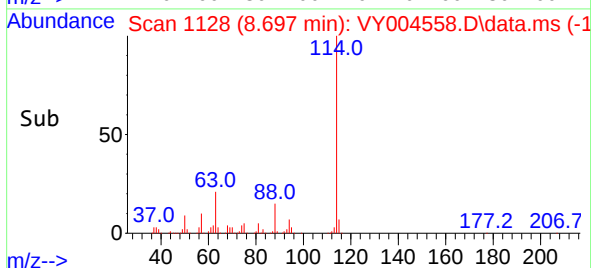
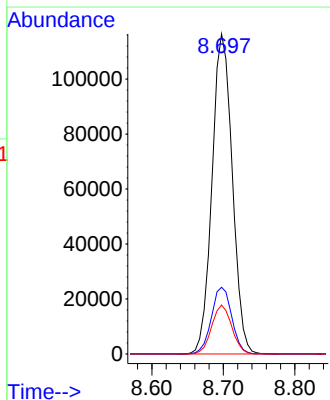
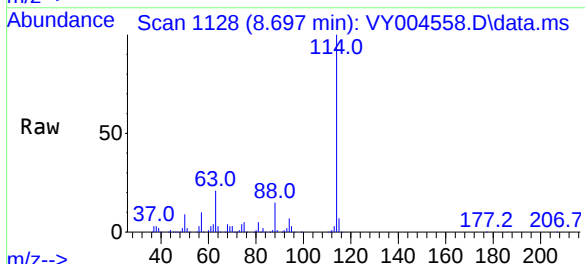
Instrument :
MSVOA_Y
ClientSampled :

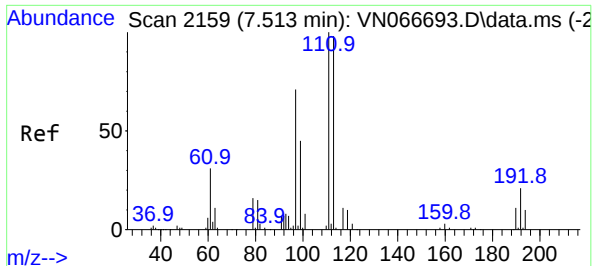
Tgt Ion: 65 Resp: 85221
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.178 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

Tgt Ion: 114 Resp: 228914
Ion Ratio Lower Upper
114 100
63 20.8 0.0 38.6
88 15.3 0.0 30.6

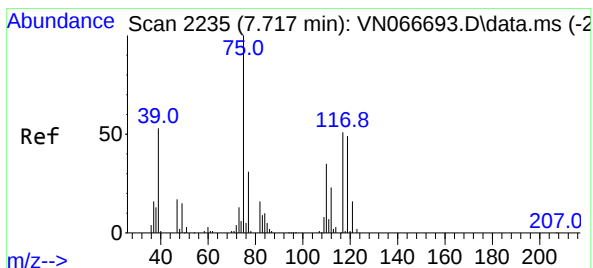
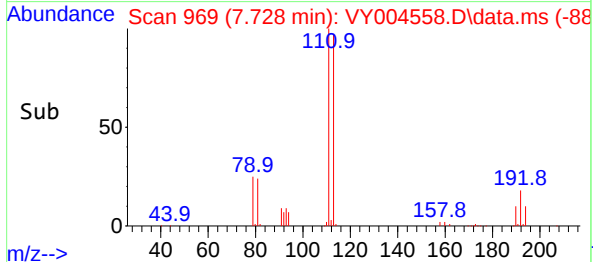
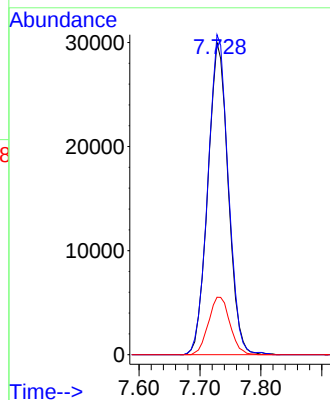
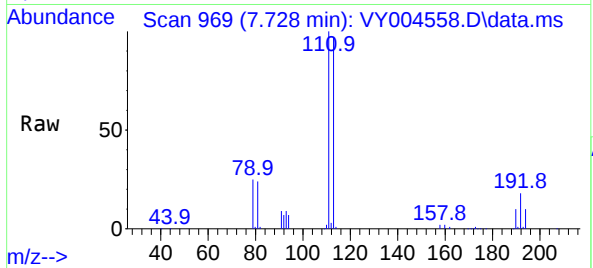




#35
Dibromofluoromethane
Concen: 48.56 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.215 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

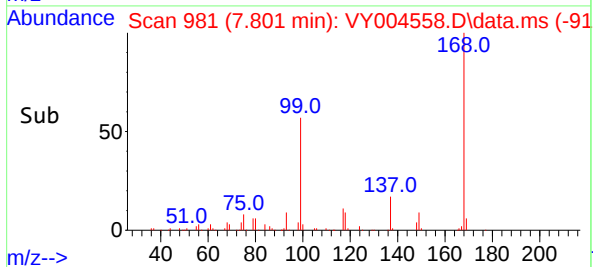
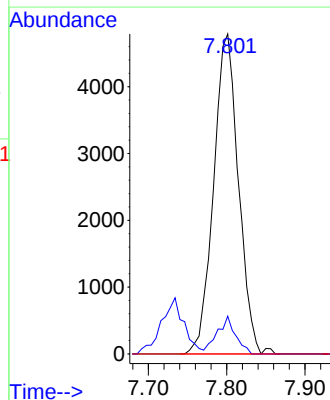
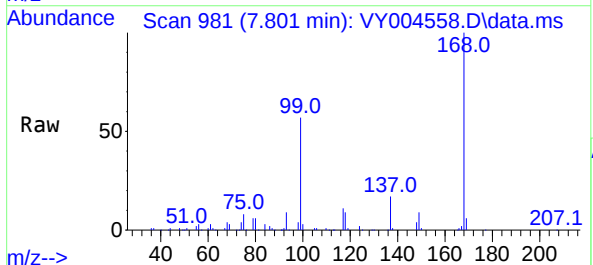
Instrument :
MSVOA_Y
ClientSampleId :

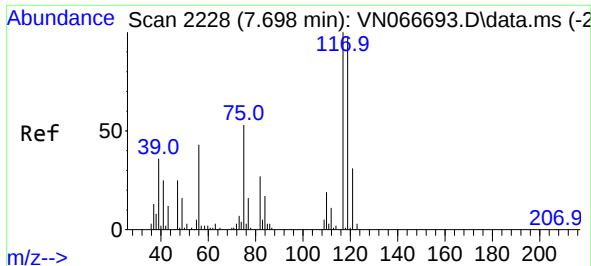
Tgt Ion:	113	Resp:	69612
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.2
192	19.4	15.4	23.0



#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.084 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

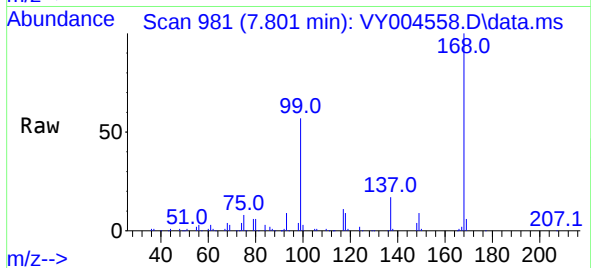
Tgt Ion:	75	Resp:	10569
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	24.9	37.3#



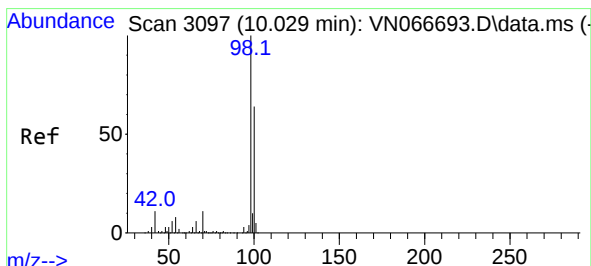
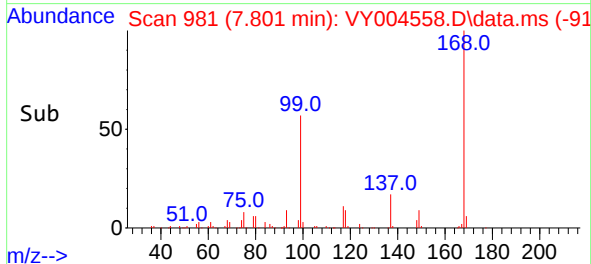
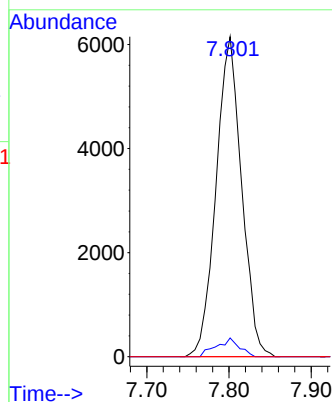


#38
Carbon Tetrachloride
Concen: 6.55 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.103 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

Instrument :
MSVOA_Y
ClientSampleId :

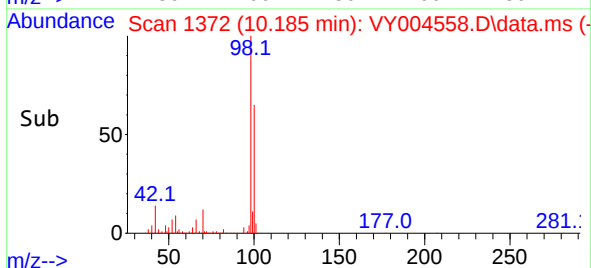
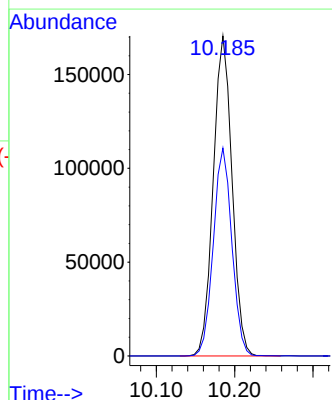
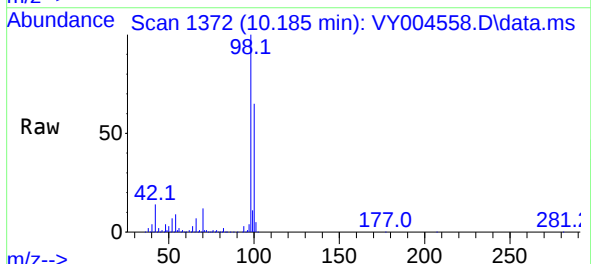


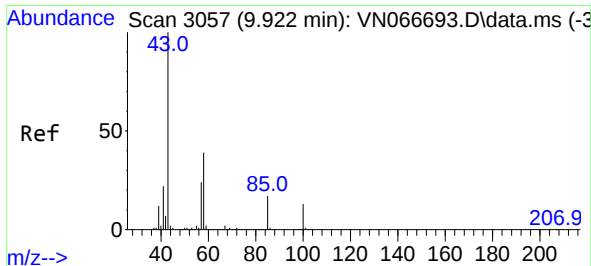
Tgt Ion: 117 Resp: 13266
Ion Ratio Lower Upper
117 100
119 5.9 76.0 114.0#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.80 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.156 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

Tgt Ion: 98 Resp: 283990
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

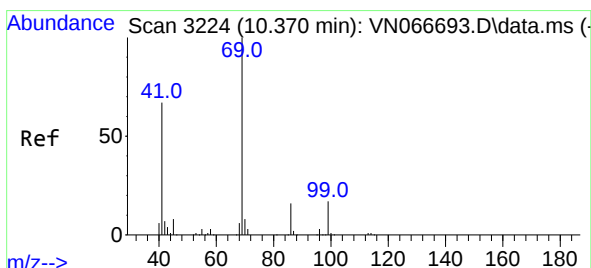
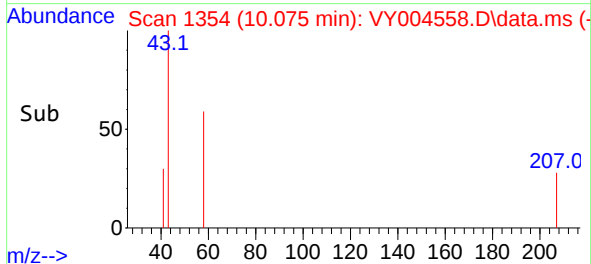
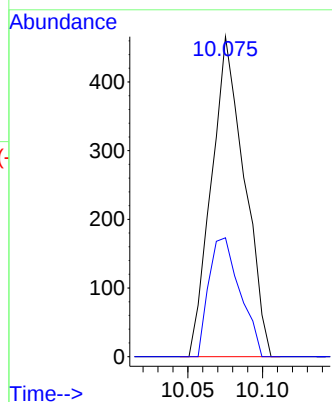
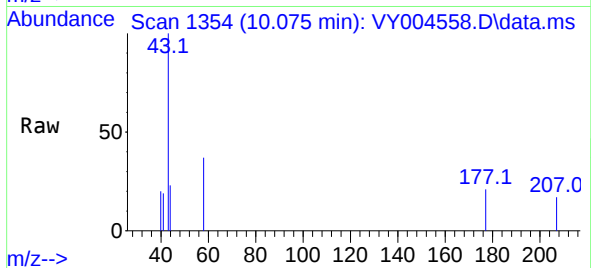




#51
4-Methyl-2-Pentanone
Concen: 0.36 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.153 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

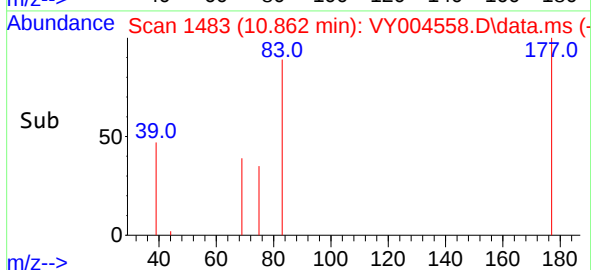
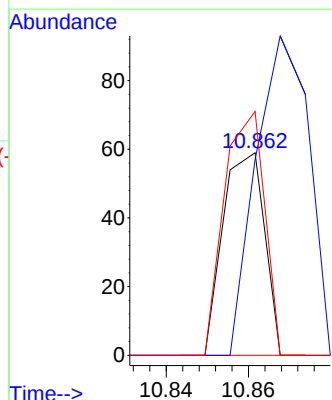
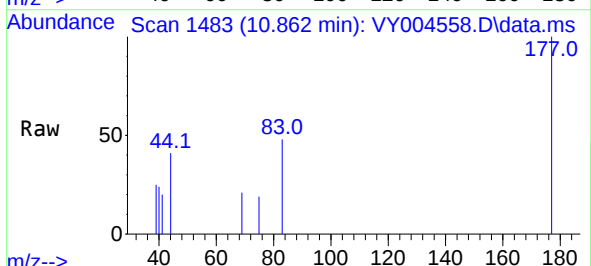
Instrument :
MSVOA_Y
ClientSampled :

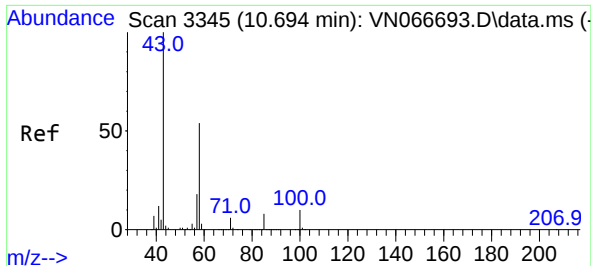
Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
58 35.2 32.5 48.7



#56
Ethyl methacrylate
Concen: 3.16 ug/l
RT: 10.862 min Scan# 1483
Delta R.T. 0.492 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

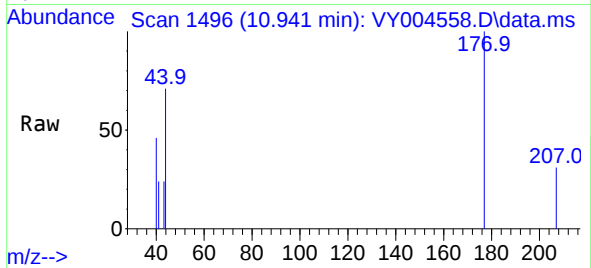
Tgt Ion: 69 Resp: 41
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 117.1 28.0 42.0#



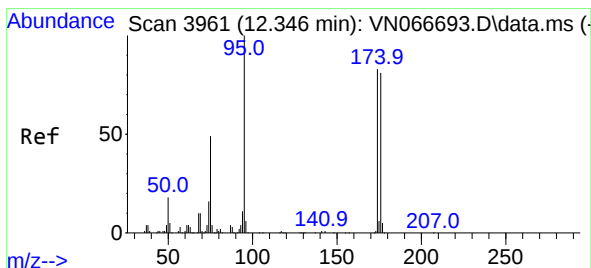
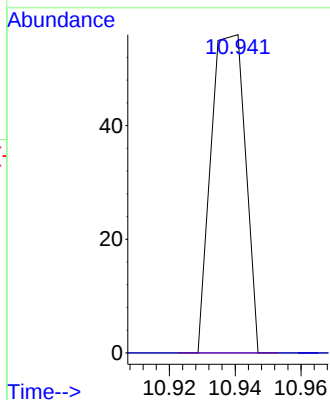
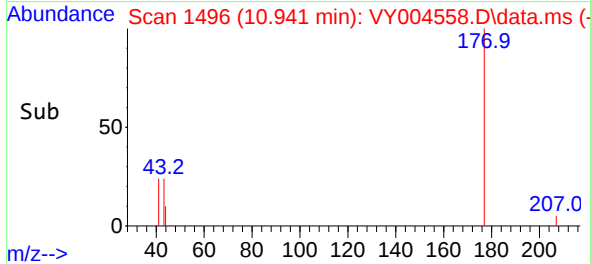


#59
2-Hexanone
Concen: 16.66 ug/l
RT: 10.941 min Scan# 1496
Delta R.T. 0.247 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

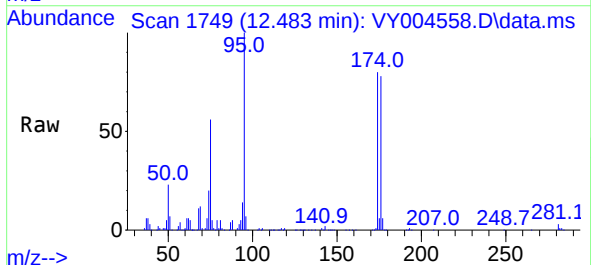
Instrument :
MSVOA_Y
ClientSampled :



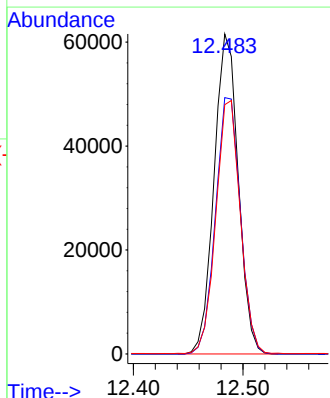
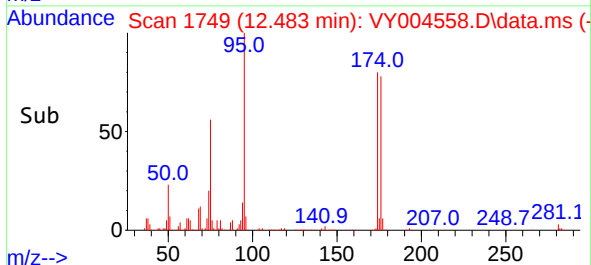
Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#

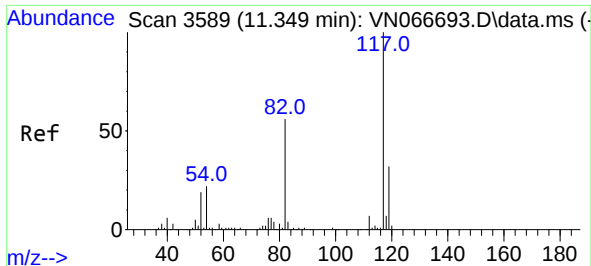


#62
4-Bromofluorobenzene
Concen: 49.30 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.137 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10



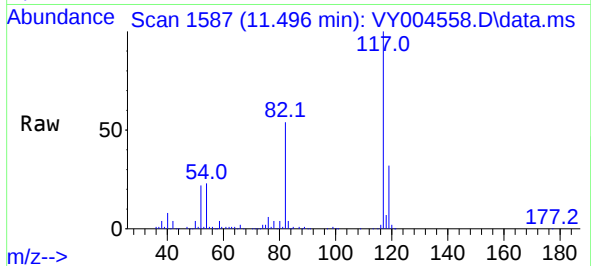
Tgt Ion: 95 Resp: 94396
Ion Ratio Lower Upper
95 100
174 82.2 0.0 169.0
176 80.1 0.0 162.4



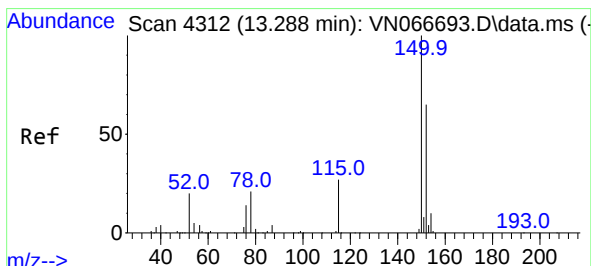
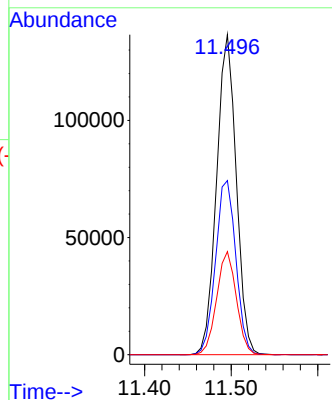
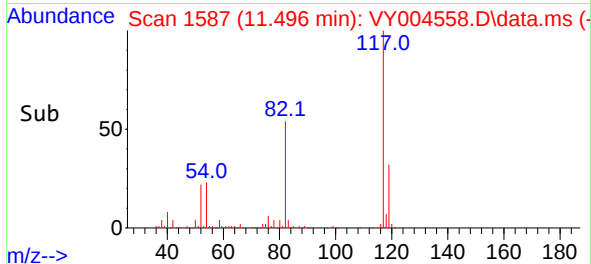


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.147 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

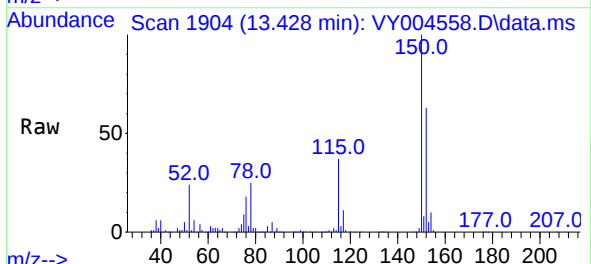
Instrument :
MSVOA_Y
ClientSampleId :



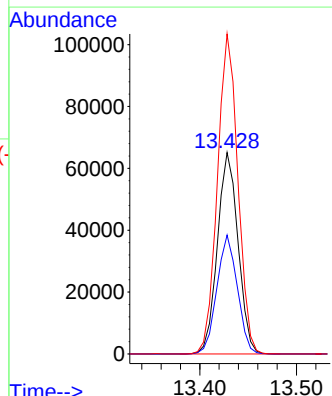
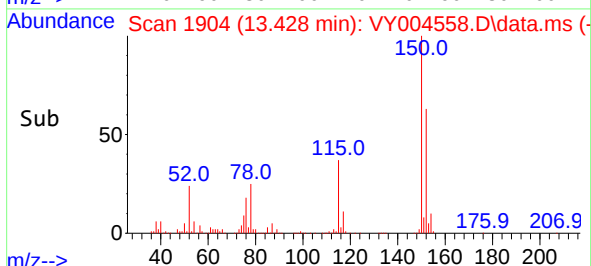
Tgt Ion:117 Resp: 215246
Ion Ratio Lower Upper
117 100
82 54.4 43.7 65.5
119 32.2 26.1 39.1

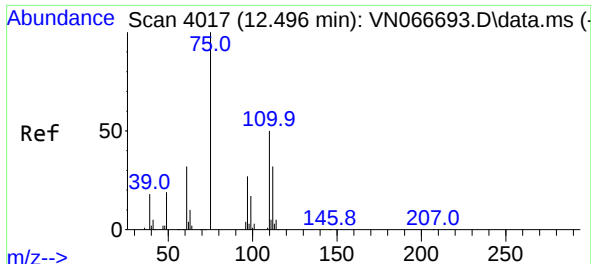


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.140 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10



Tgt Ion:152 Resp: 96446
Ion Ratio Lower Upper
152 100
115 58.5 28.5 85.6
150 157.3 0.0 347.6

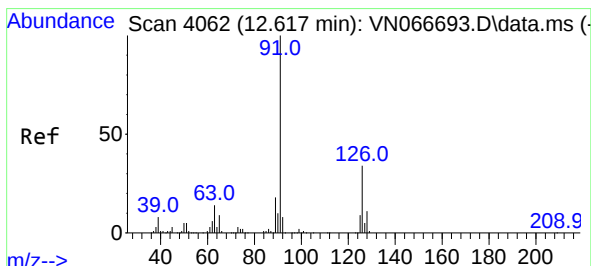
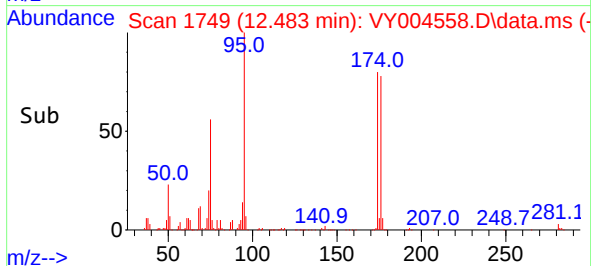
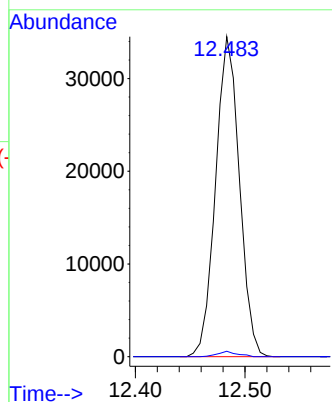
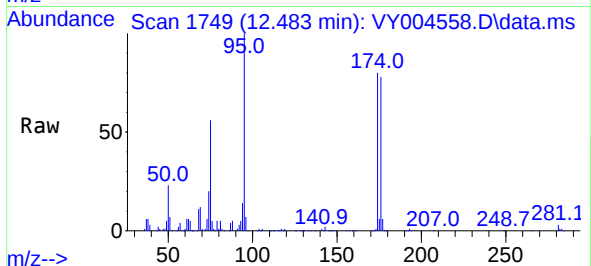




#76
1,2,3-Trichloropropane
Concen: 25.23 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.013 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

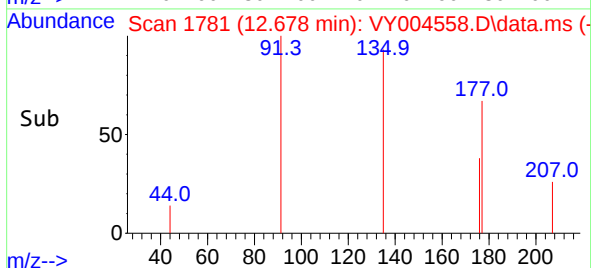
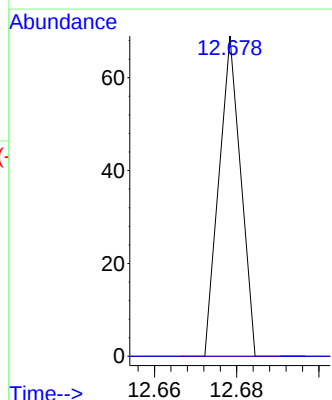
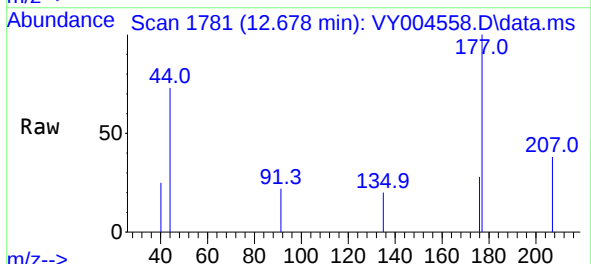
Instrument :
MSVOA_Y
ClientSampled :

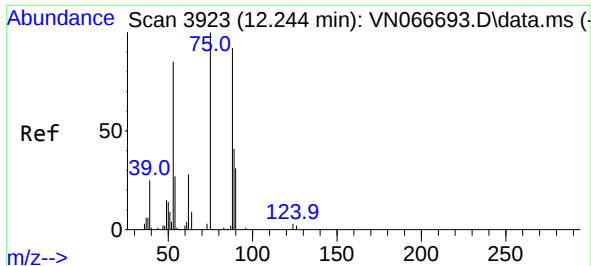
Tgt Ion: 75 Resp: 52077
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#79
2-Chlorotoluene
Concen: 0.94 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.061 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

Tgt Ion: 91 Resp: 25
Ion Ratio Lower Upper
91 100
126 0.0 17.4 52.3#

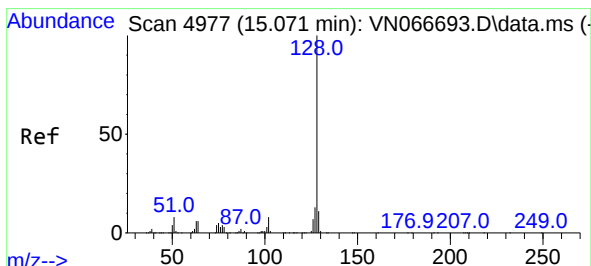
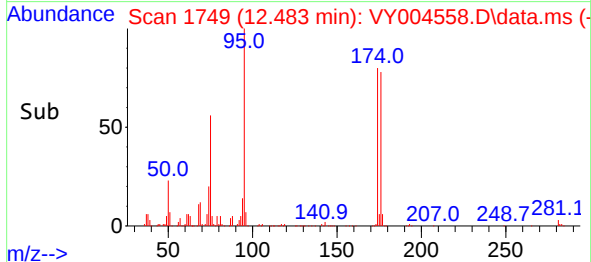
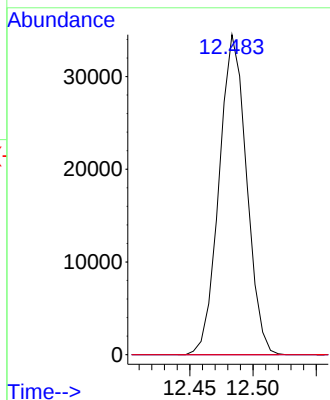
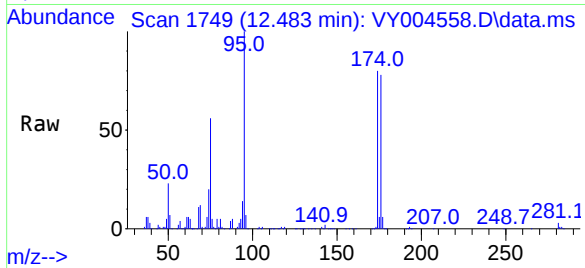




#81
trans-1,4-Dichloro-2-butene
Concen: 74.28 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.239 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 52082
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.0 35.8 53.8#



#95
Naphthalene
Concen: 1.92 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.168 min
Lab File: VY004558.D
Acq: 21 Apr 2021 16:10

Tgt Ion:128 Resp: 355
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

