

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072722\
 Data File : VY009723.D
 Acq On : 27 Jul 2022 14:42
 Operator : KP/MD
 Sample : N3891-04
 Misc : 6.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-1

Quant Time: Jul 28 02:45:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

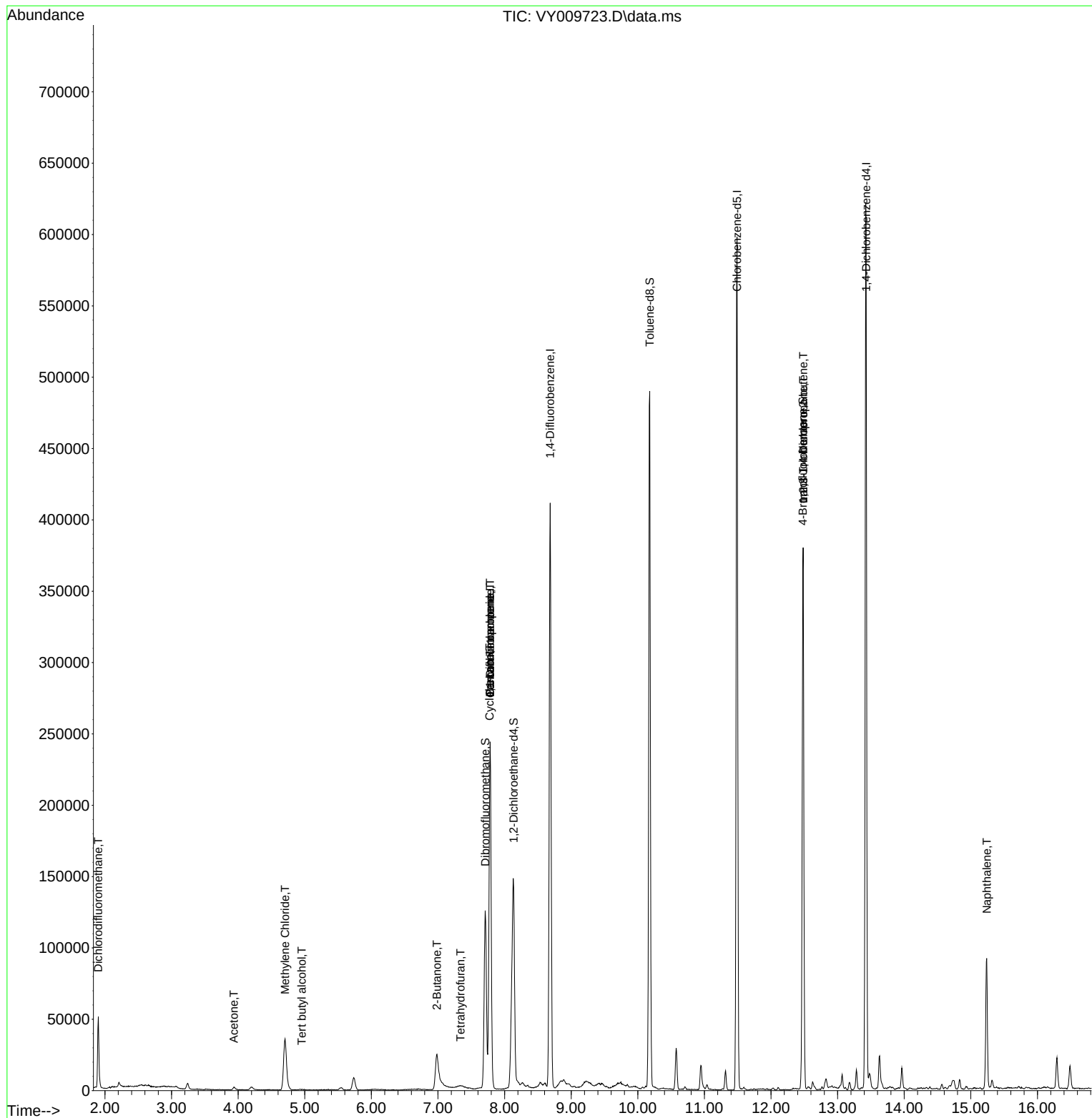
Internal Standards						
1) Pentafluorobenzene	7.783	168	200909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	363484	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	338744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	167634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	91015	70.140	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.280%	
35) Dibromofluoromethane	7.710	113	88223	44.627	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.260%	
50) Toluene-d8	10.179	98	325248	57.094	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 114.180%	
62) 4-Bromofluorobenzene	12.477	95	105849	40.380	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 80.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	39167	21.898	ug/l	96
11) Tert butyl alcohol	4.954	59	898	3.741	ug/l #	84
16) Acetone	3.936	43	3300	6.870	ug/l	100
18) Methyl Acetate	4.472	43	178	Below Cal	#	56
20) Methylene Chloride	4.704	84	27005	2.515	ug/l	89
25) 2-Butanone	6.984	43	1935	2.731	ug/l	94
29) Tetrahydrofuran	7.338	42	763	1.700	ug/l #	83
31) Cyclohexane	7.777	56	3441	1.076	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13648	4.243	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17859	5.181	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	53458	34.332	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53458	68.434	ug/l #	8
95) Naphthalene	15.239	128	80279	13.597	ug/l	98

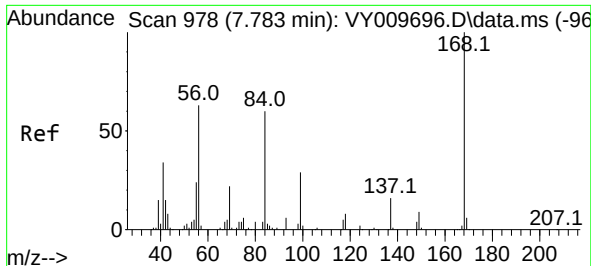
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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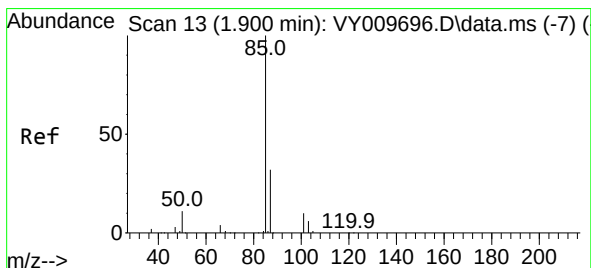
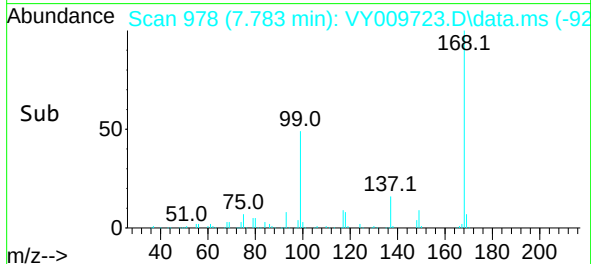
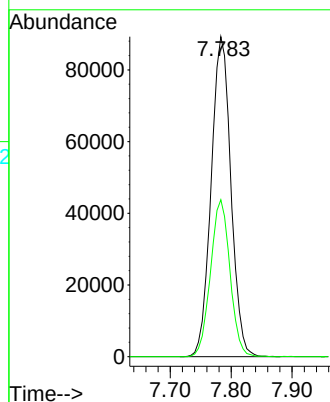
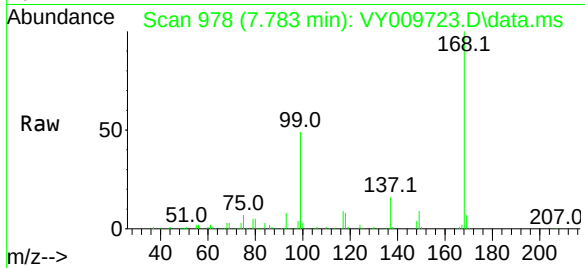




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

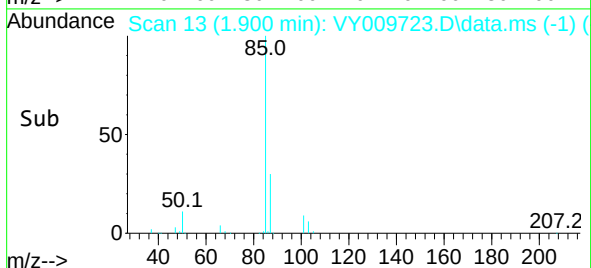
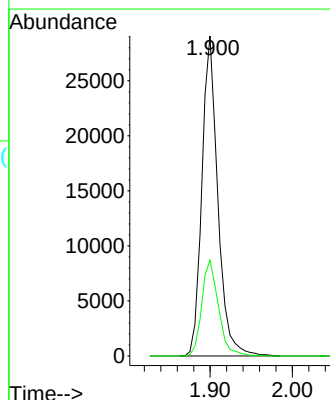
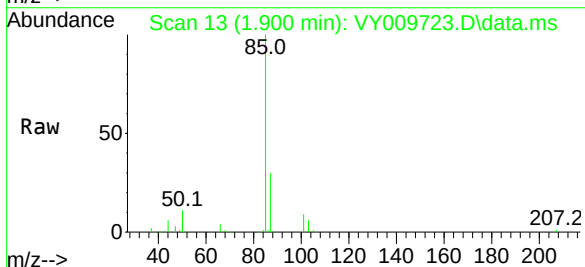
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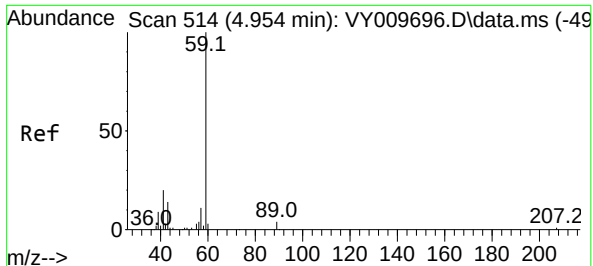
Tgt Ion:168 Resp: 200909
Ion Ratio Lower Upper
168 100
99 49.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 21.898 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

Tgt Ion: 85 Resp: 39167
Ion Ratio Lower Upper
85 100
87 30.0 16.1 48.2

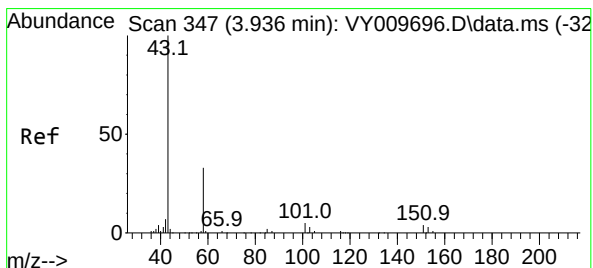
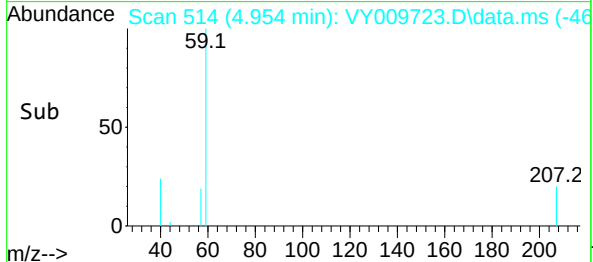
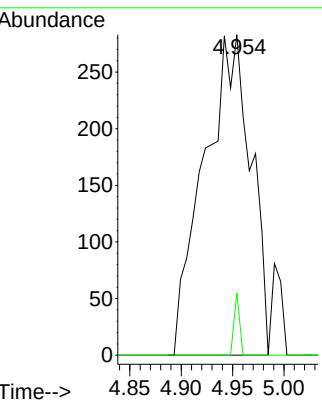
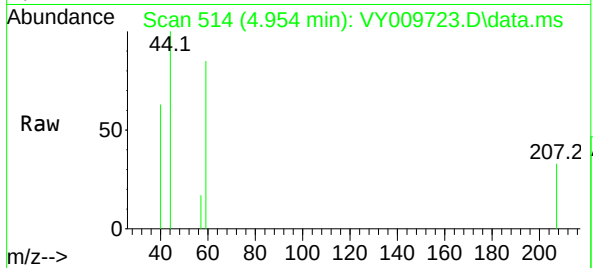




#11
Tert butyl alcohol
Concen: 3.741 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

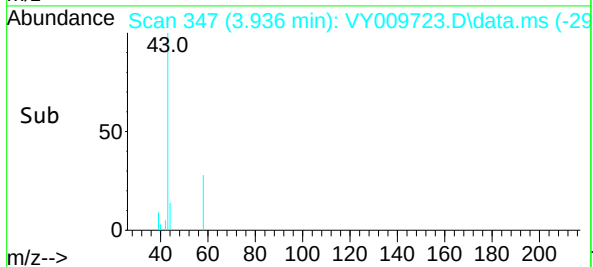
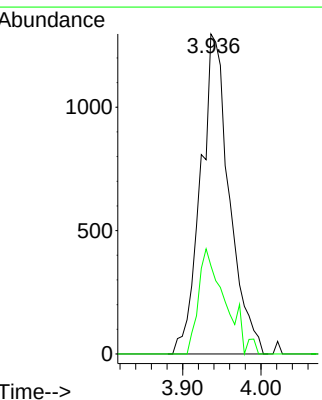
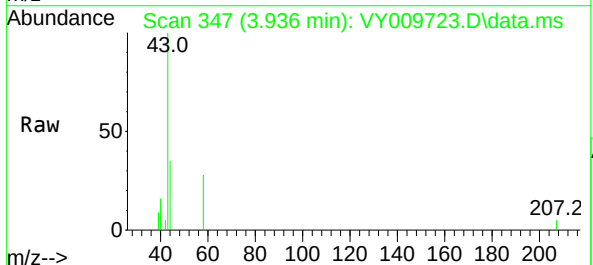
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

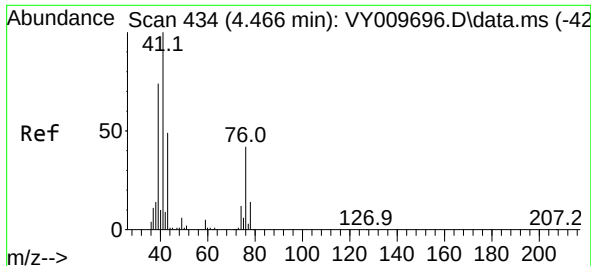
Tgt Ion: 59 Resp: 898
Ion Ratio Lower Upper
59 100
57 2.2 6.4 9.6#



#16
Acetone
Concen: 6.870 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

Tgt Ion: 43 Resp: 3300
Ion Ratio Lower Upper
43 100
58 27.5 22.0 33.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY009723.D

Acq: 27 Jul 2022 14:42

Instrument :

MSVOA_Y

ClientSampleId :

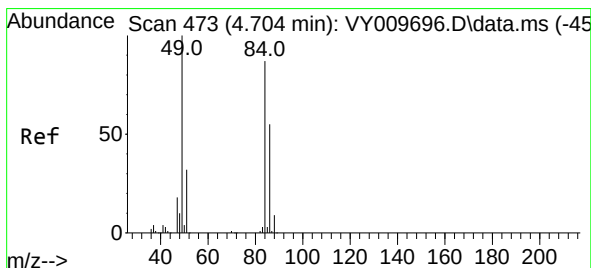
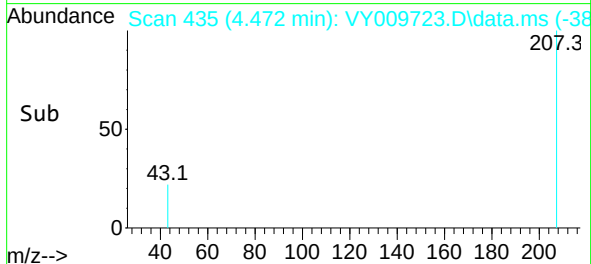
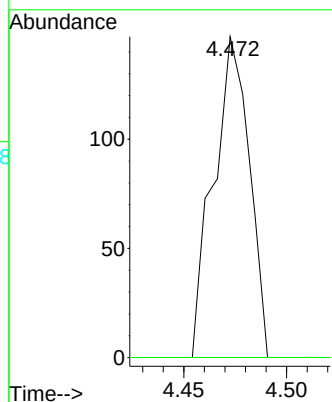
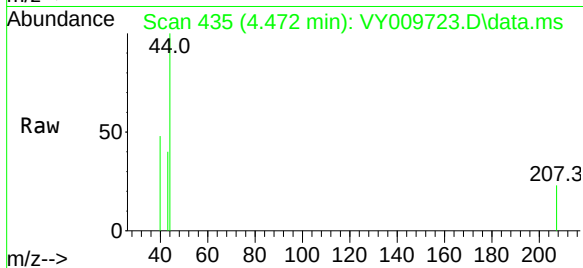
TP-1

Tgt Ion: 43 Resp: 178

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 2.515 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY009723.D

Acq: 27 Jul 2022 14:42

Tgt Ion: 84 Resp: 27005

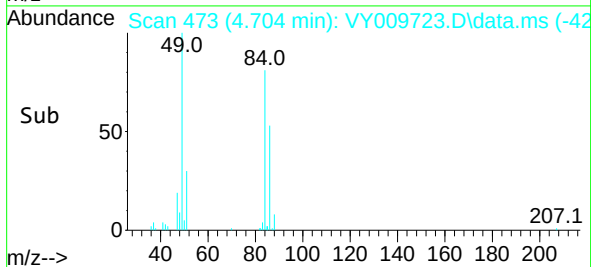
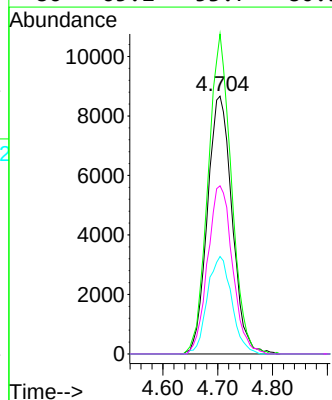
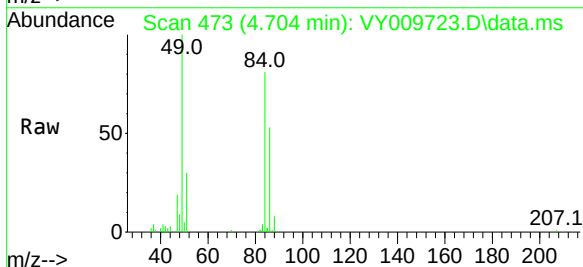
Ion Ratio Lower Upper

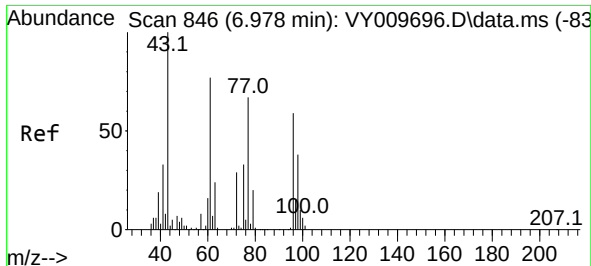
84 100

49 124.1 114.4 171.6

51 37.8 35.3 52.9

86 65.2 53.7 80.5

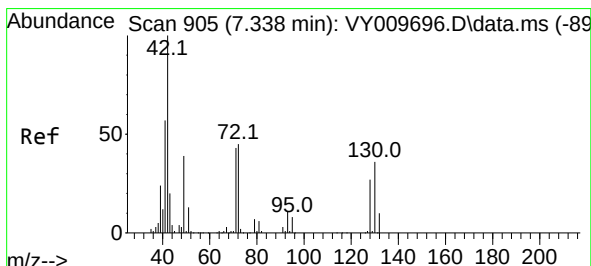
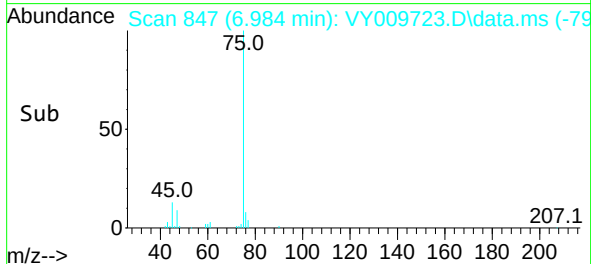
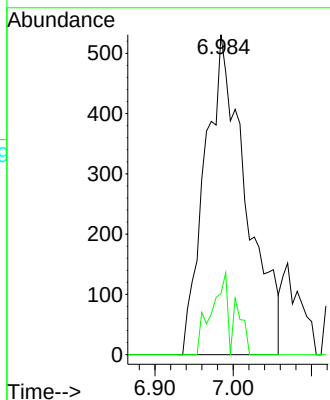
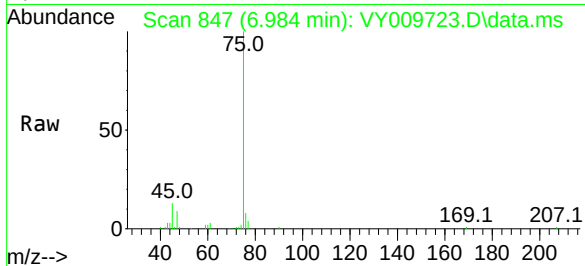




#25
2-Butanone
Concen: 2.731 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

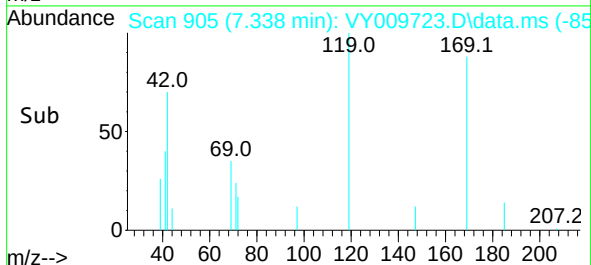
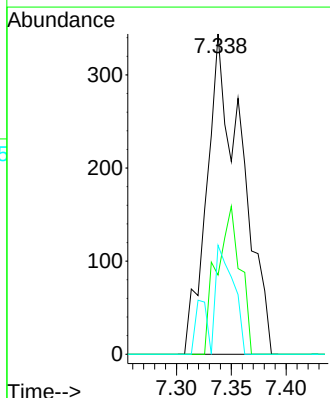
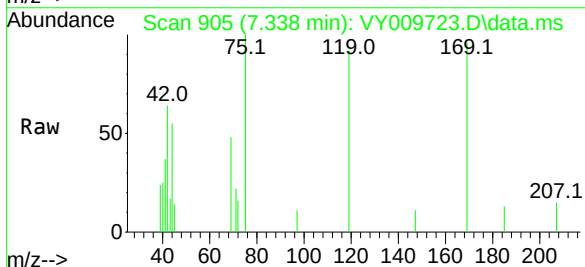
Instrument :
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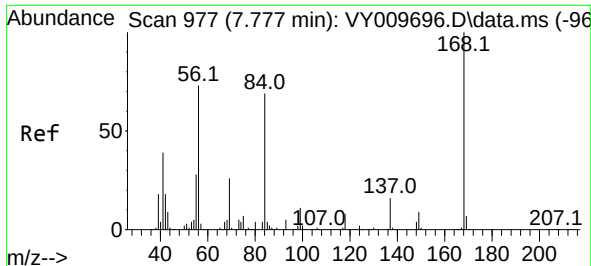
Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
72 19.0 17.7 26.5



#29
Tetrahydrofuran
Concen: 1.700 ug/l
RT: 7.338 min Scan# 905
Delta R.T. -0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

Tgt Ion: 42 Resp: 763
Ion Ratio Lower Upper
42 100
72 31.1 30.3 45.5
71 22.8 29.0 43.4#

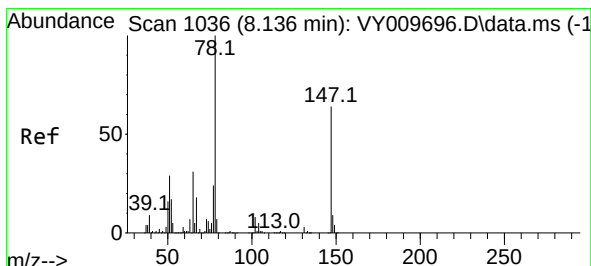
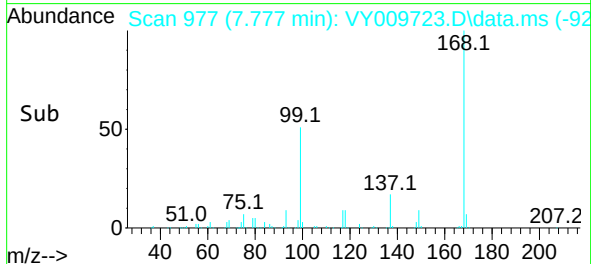
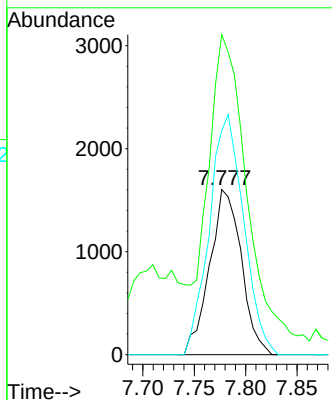
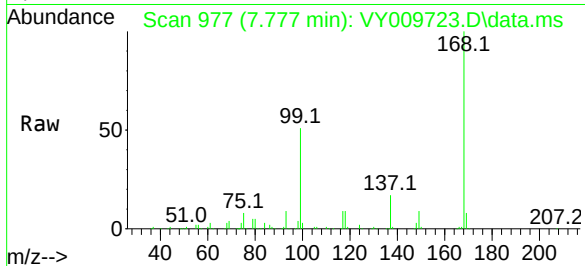




#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

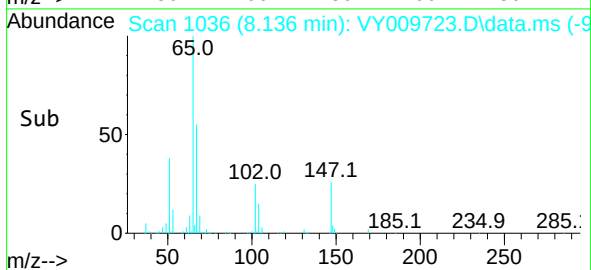
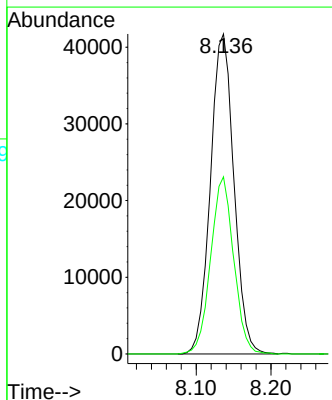
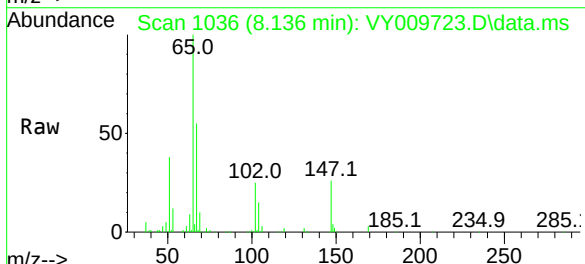
Instrument :
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ClientSampleId :
TP-1

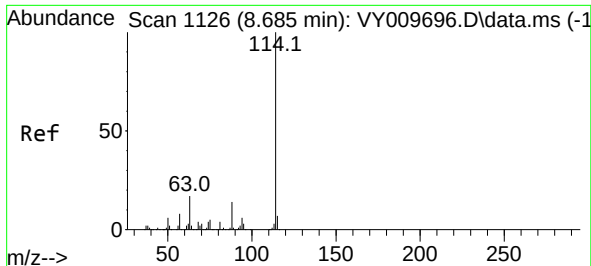
Tgt Ion: 56 Resp: 3441
Ion Ratio Lower Upper
56 100
69 171.9 26.7 40.1#
84 135.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.140 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

Tgt Ion: 65 Resp: 91015
Ion Ratio Lower Upper
65 100
67 54.2 0.0 99.4

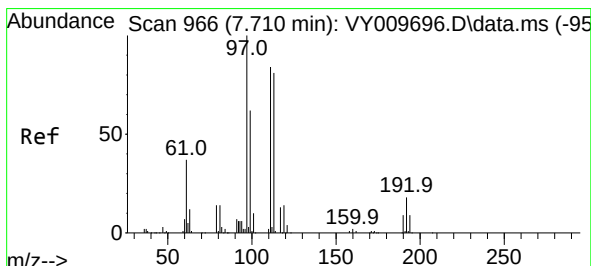
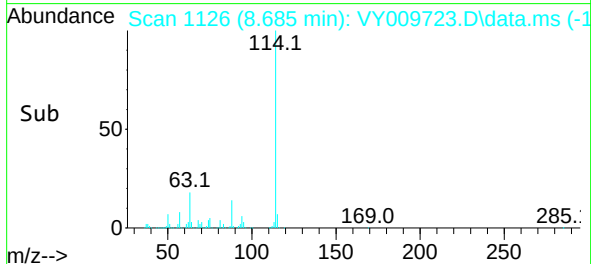
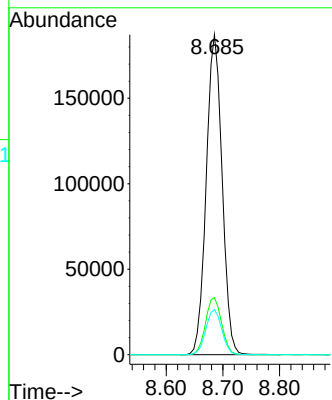
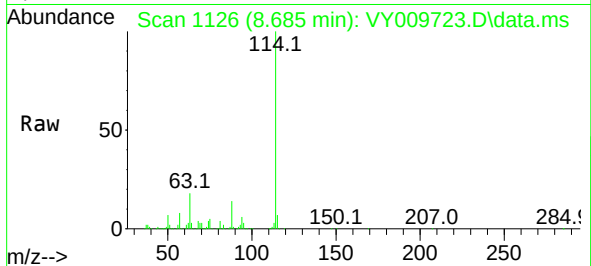




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

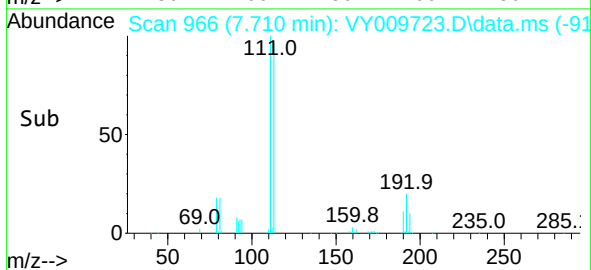
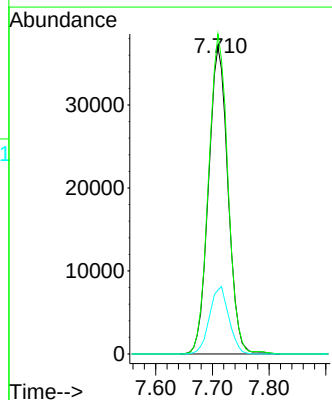
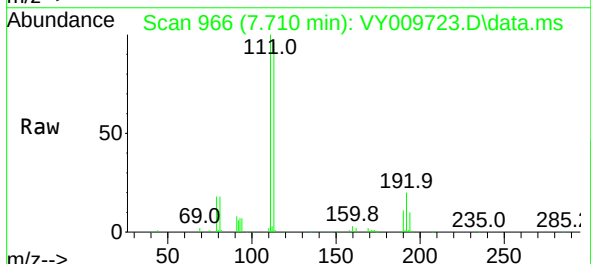
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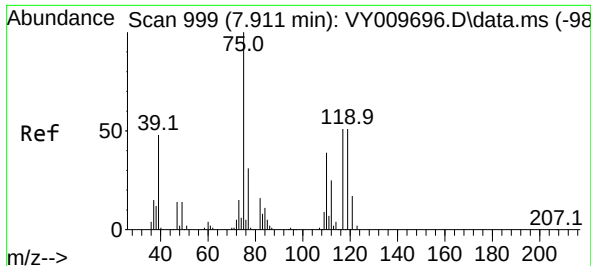
Tgt Ion:114 Resp: 363484
Ion Ratio Lower Upper
114 100
63 17.8 0.0 43.2
88 14.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 44.627 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

Tgt Ion:113 Resp: 88223
Ion Ratio Lower Upper
113 100
111 103.2 82.6 124.0
192 21.8 17.6 26.4

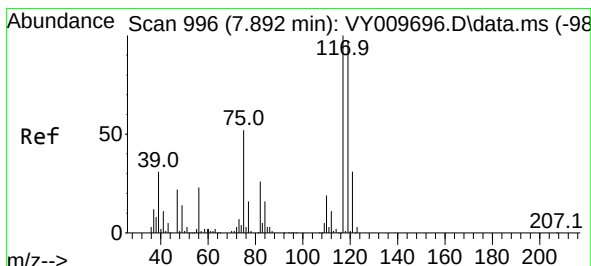
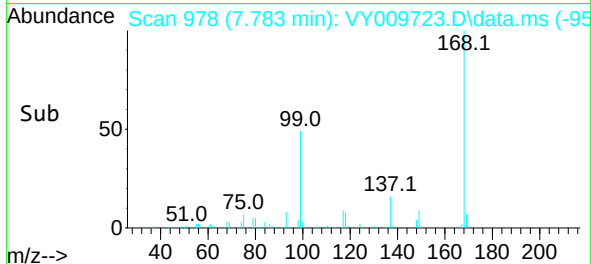
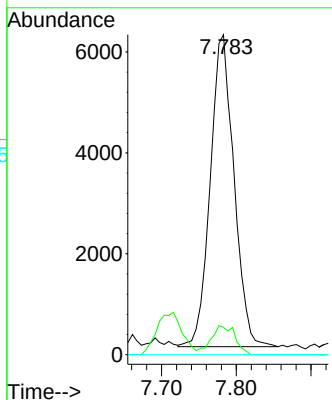
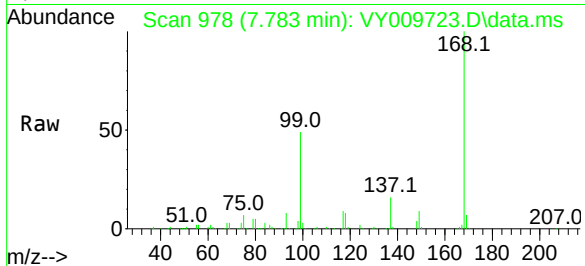




#36
1,1-Dichloropropene
Concen: 4.243 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

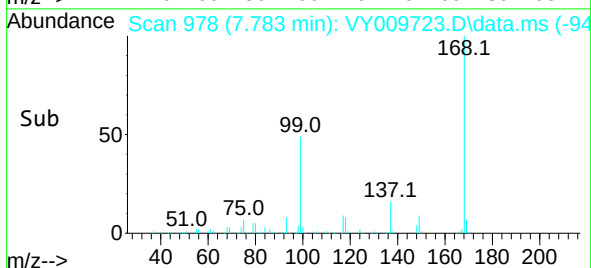
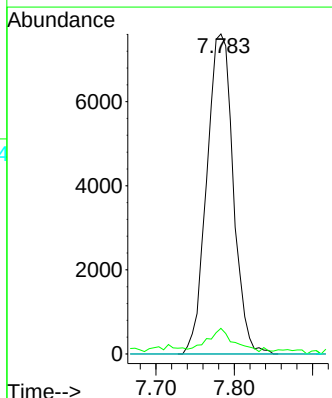
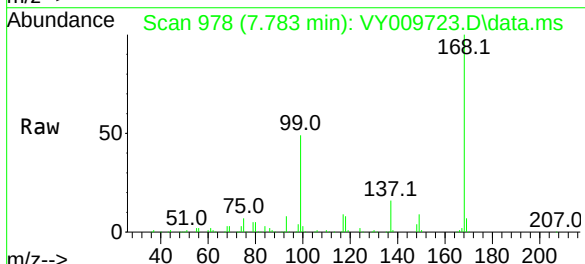
Instrument :
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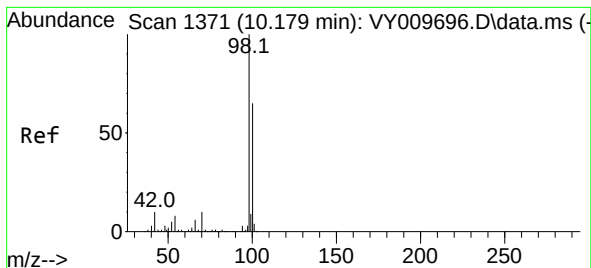
Tgt Ion: 75 Resp: 13648
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.181 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.109 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

Tgt Ion: 117 Resp: 17859
Ion Ratio Lower Upper
117 100
119 6.7 77.9 116.9#
121 0.0 24.8 37.2#

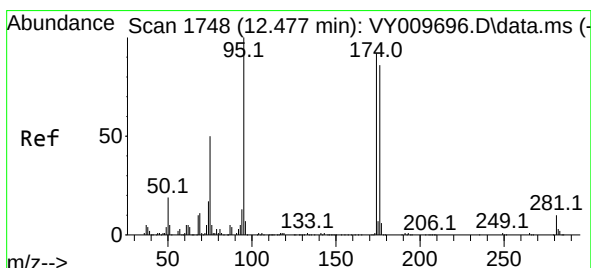
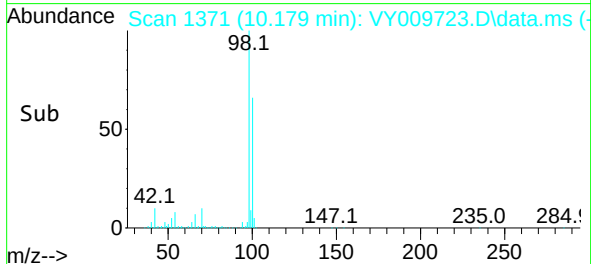
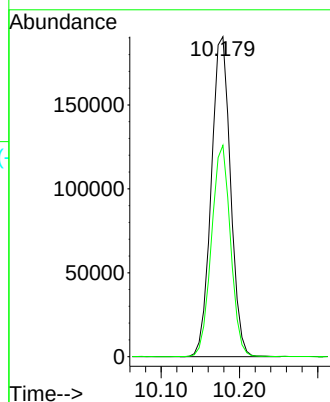
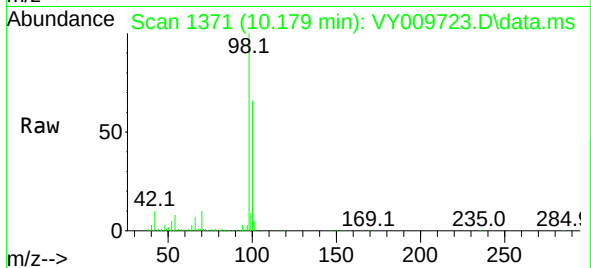




#50
Toluene-d8
Concen: 57.094 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

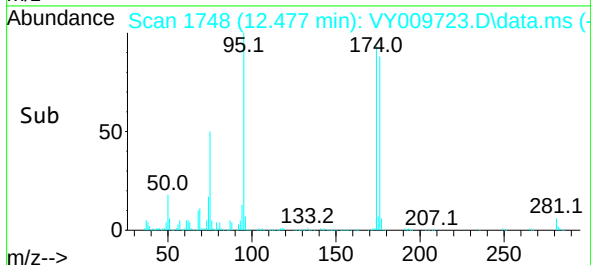
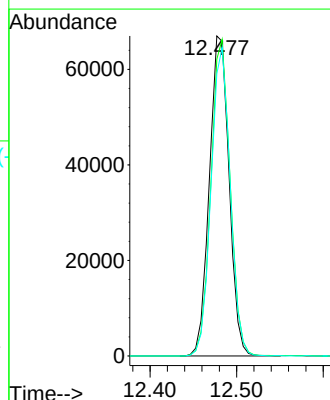
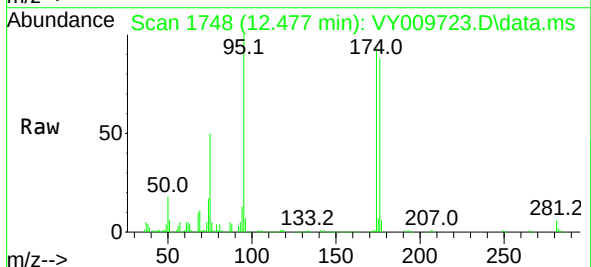
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

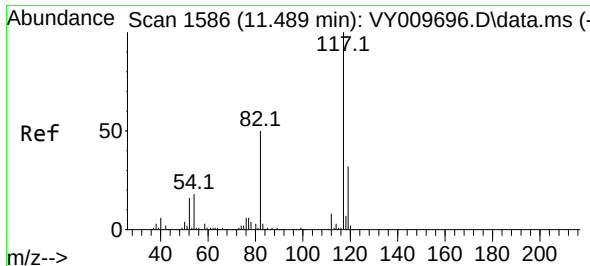
Tgt Ion: 98 Resp: 325248
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.380 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

Tgt Ion: 95 Resp: 105849
Ion Ratio Lower Upper
95 100
174 96.4 0.0 177.0
176 93.6 0.0 175.8

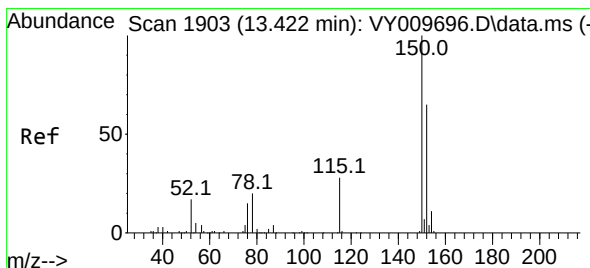
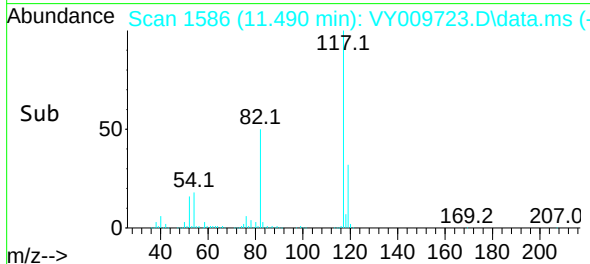
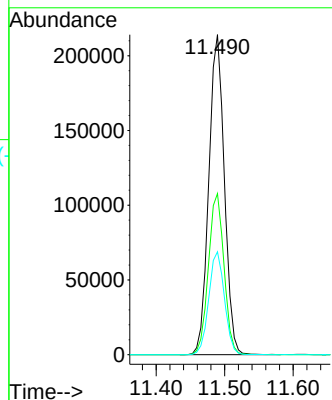
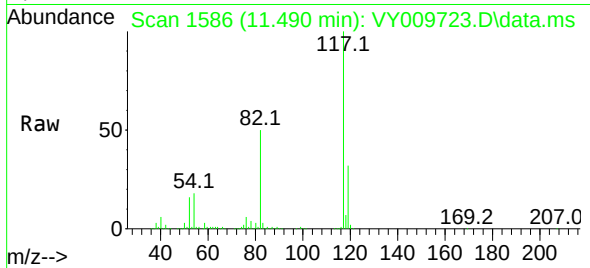




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

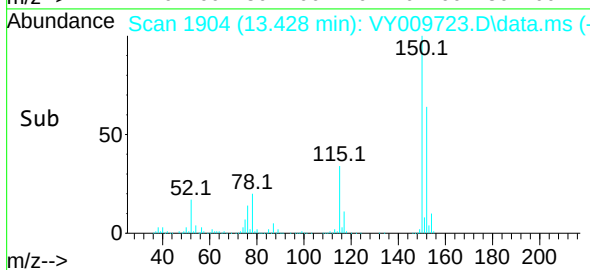
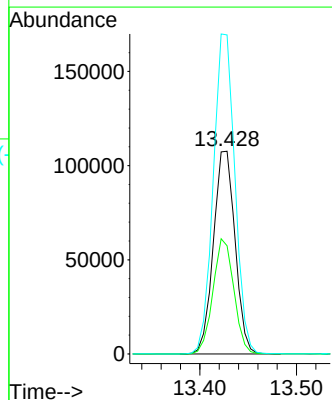
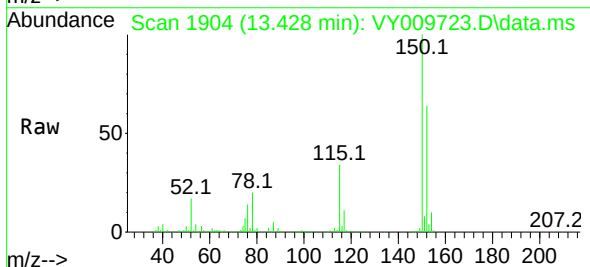
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

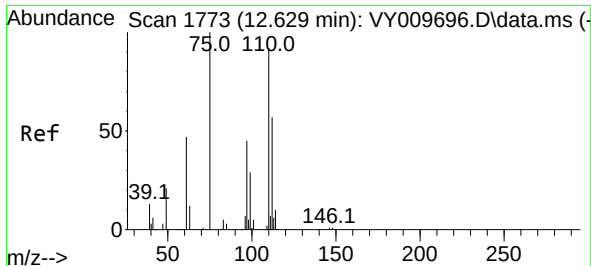
Tgt Ion:117 Resp: 338744
Ion Ratio Lower Upper
117 100
82 50.3 43.0 64.4
119 32.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

Tgt Ion:152 Resp: 167634
Ion Ratio Lower Upper
152 100
115 54.8 28.2 84.7
150 157.7 0.0 347.6

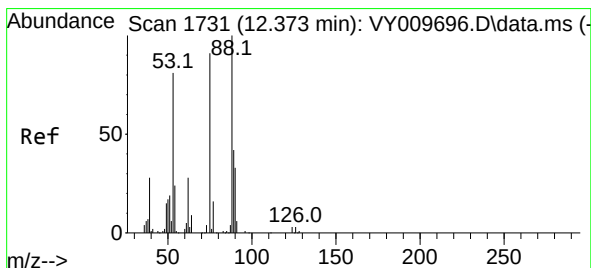
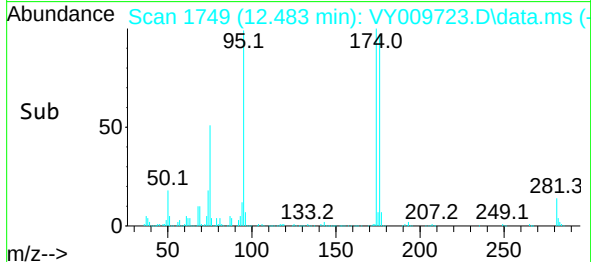
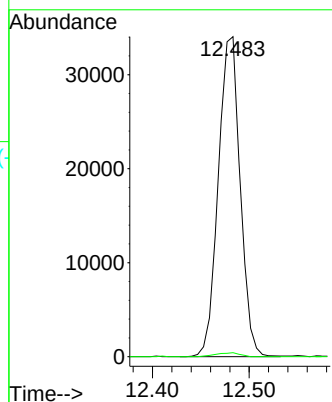
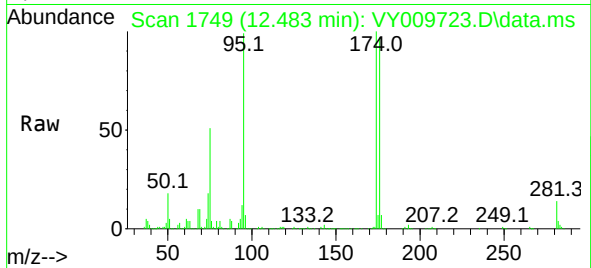




#76
1,2,3-Trichloropropane
Concen: 34.332 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

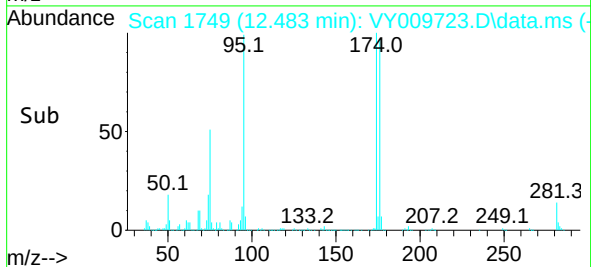
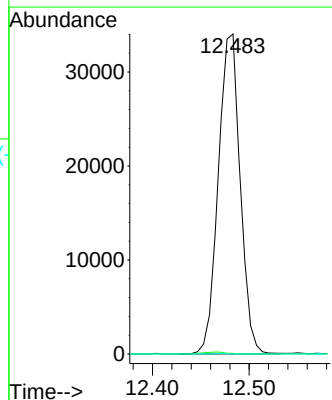
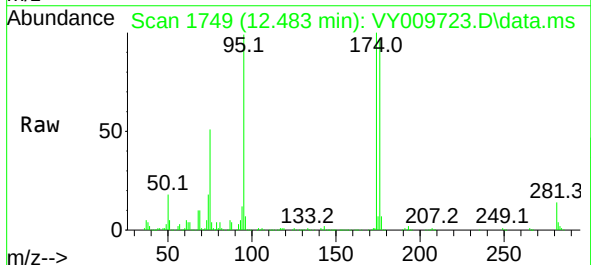
Instrument :
MSVOA_Y
ClientSampleId :
TP-1

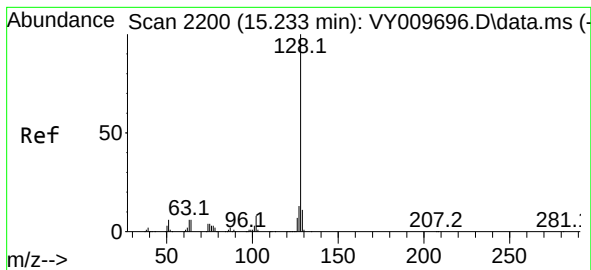
Tgt Ion: 75 Resp: 53458
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.434 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY009723.D
Acq: 27 Jul 2022 14:42

Tgt Ion: 75 Resp: 53458
Ion Ratio Lower Upper
75 100
53 0.6 85.3 127.9#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 13.597 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY009723.D

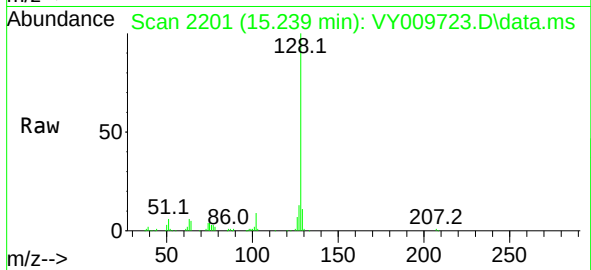
Acq: 27 Jul 2022 14:42

Instrument :

MSVOA_Y

ClientSampleId :

TP-1



Tgt Ion:128 Resp: 80279

Ion Ratio Lower Upper

128 100

127 12.7 11.0 16.4

129 11.0 8.4 12.6

