

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100124\
 Data File : VY019741.D
 Acq On : 01 Oct 2024 15:14
 Operator : SY/MD
 Sample : P4198-22
 Misc : 5.46g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 01 17:09:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

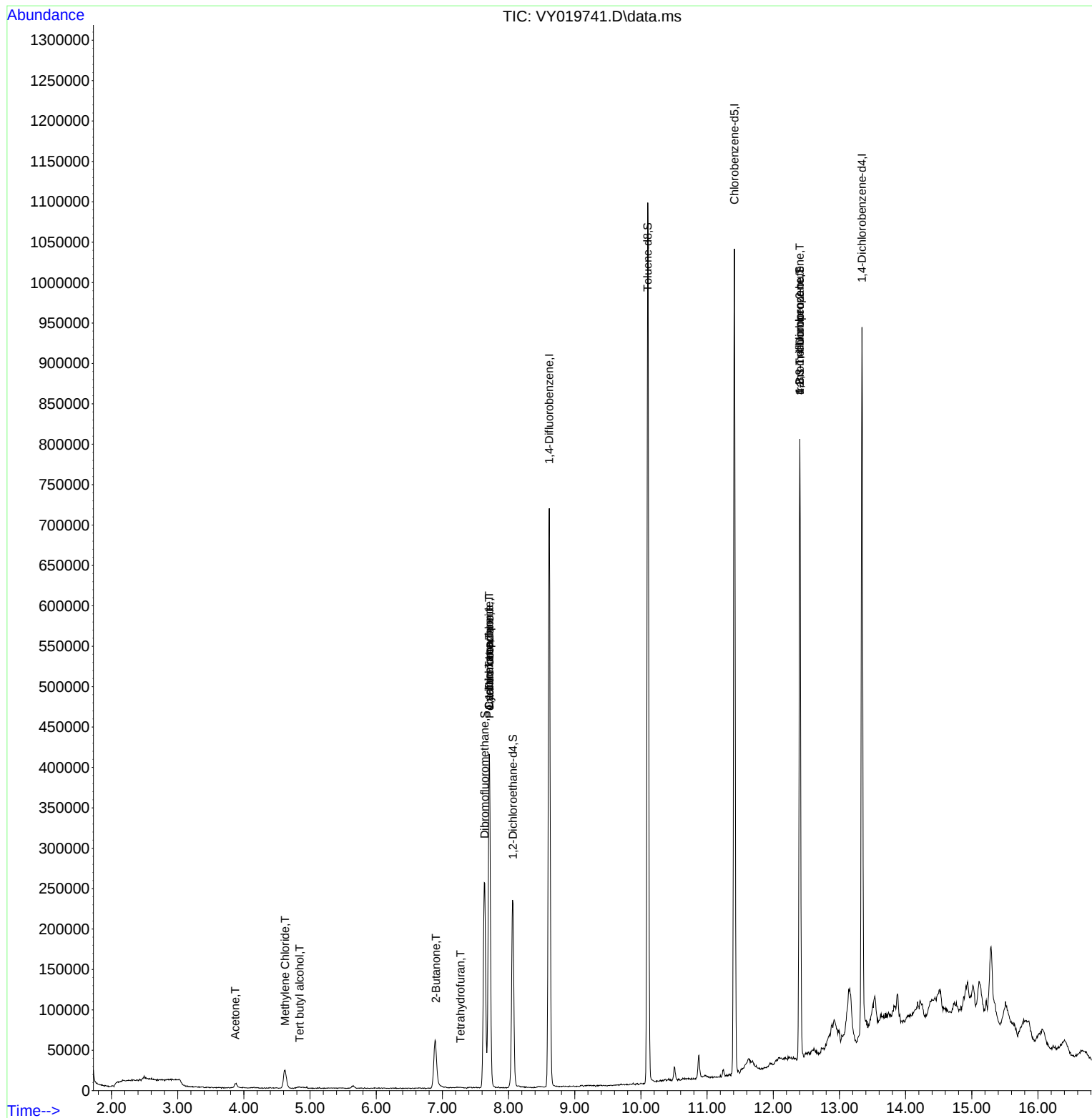
Internal Standards						
1) Pentafluorobenzene	7.713	168	306903	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	585598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	523128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	206717	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	185729	65.355	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.700%	
35) Dibromofluoromethane	7.640	113	186904	56.292	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.580%	
50) Toluene-d8	10.103	98	695104	56.601	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.200%	
62) 4-Bromofluorobenzene	12.401	95	238854	50.583	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 101.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	268	Below Cal		98
11) Tert butyl alcohol	4.842	59	2750	11.982	ug/l #	95
13) Acrolein	3.677	56	103	Below Cal	#	1
16) Acetone	3.872	43	10363	15.307	ug/l #	84
20) Methylene Chloride	4.622	84	16614	5.381	ug/l	92
25) 2-Butanone	6.902	43	4033	4.188	ug/l #	59
29) Tetrahydrofuran	7.274	42	625	1.068	ug/l #	57
31) Cyclohexane	7.707	56	7291	1.434	ug/l #	6
36) 1,1-Dichloropropene	7.707	75	27022	5.981	ug/l #	48
38) Carbon Tetrachloride	7.707	117	32597	6.398	ug/l #	17
76) 1,2,3-Trichloropropane	12.401	75	126898	65.494	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	126898	125.730	ug/l #	16

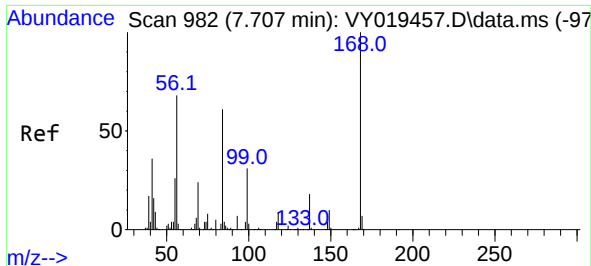
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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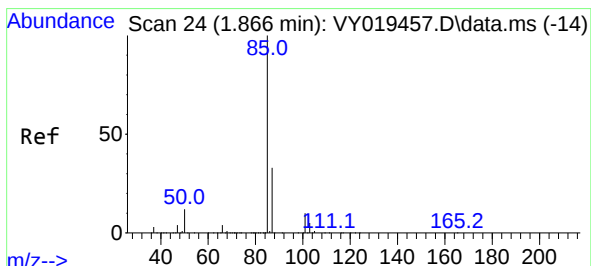
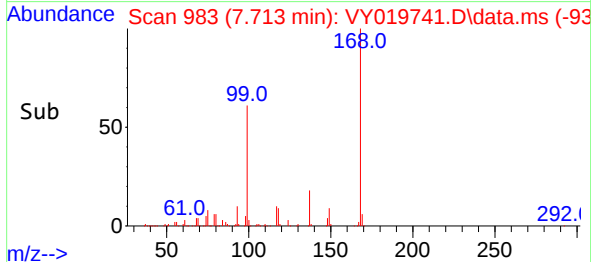
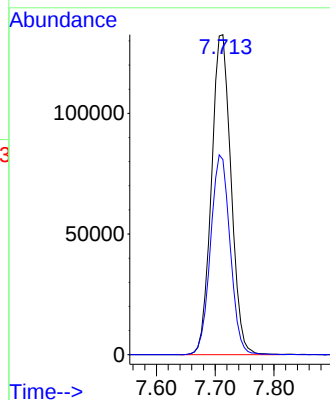
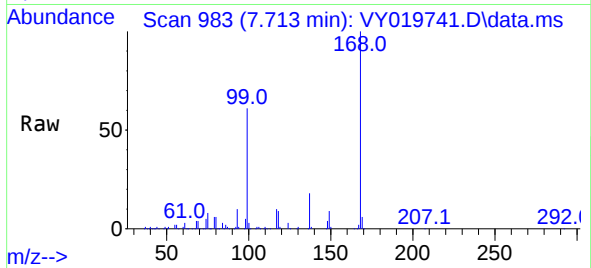




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

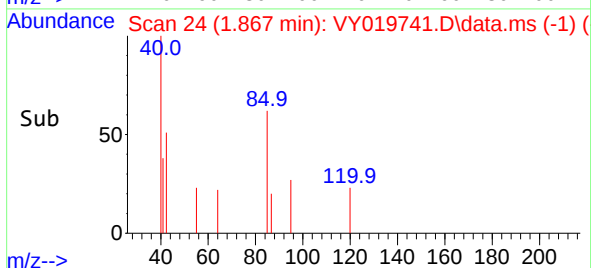
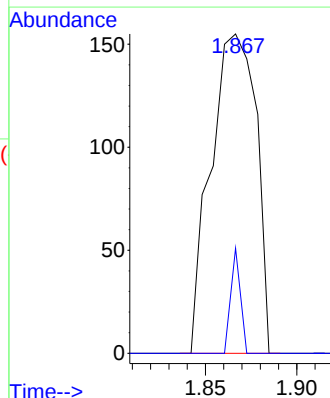
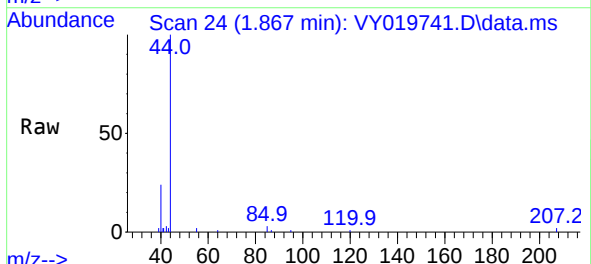
Instrument :
MSVOA_Y
ClientSampleId :

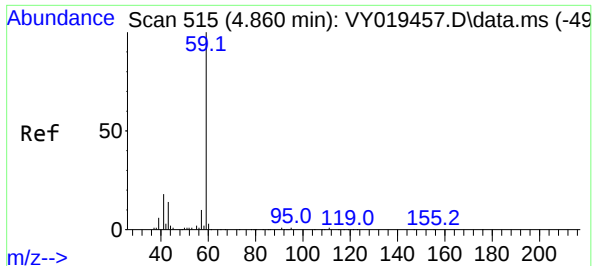
Tgt Ion:168 Resp: 306903
Ion Ratio Lower Upper
168 100
99 60.9 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.000 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Tgt Ion: 85 Resp: 268
Ion Ratio Lower Upper
85 100
87 32.9 16.0 48.0

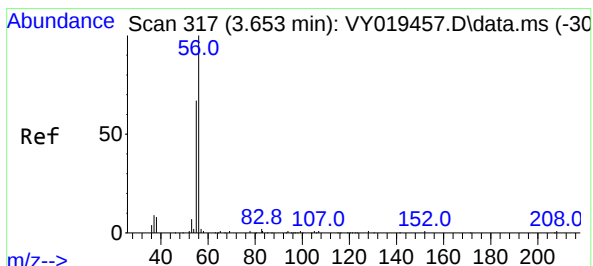
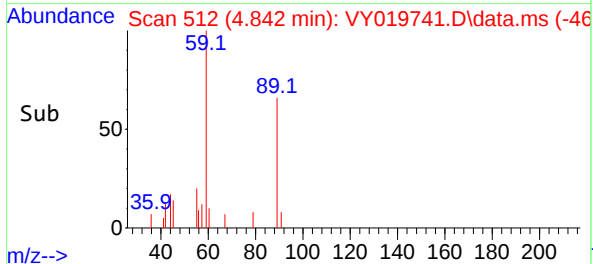
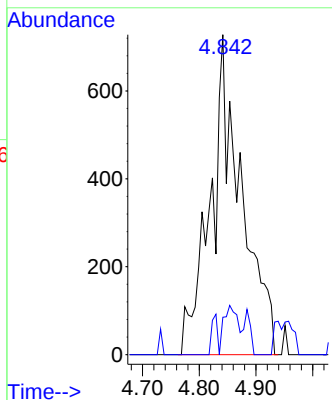
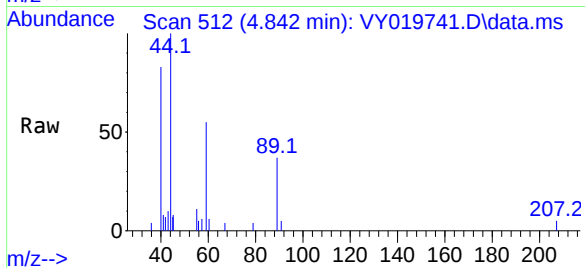




#11
Tert butyl alcohol
Concen: 11.982 ug/l
RT: 4.842 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

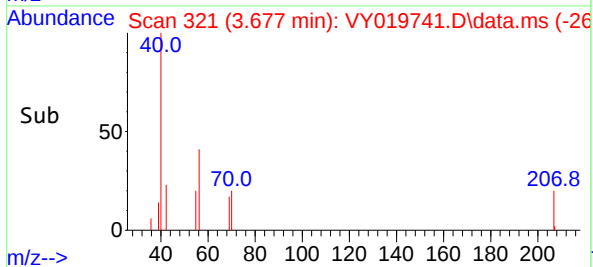
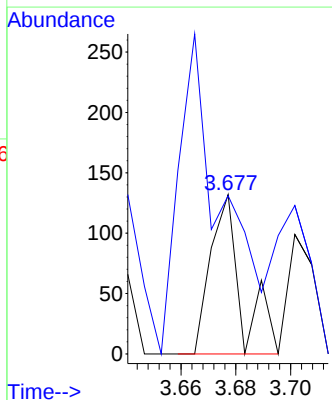
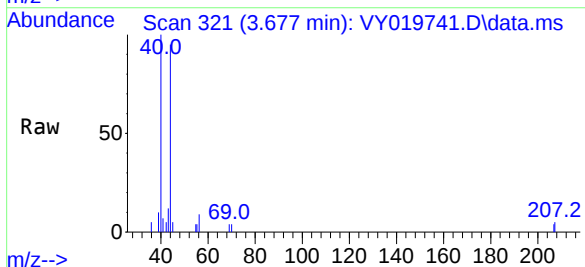
Instrument :
MSVOA_Y
ClientSampleId :

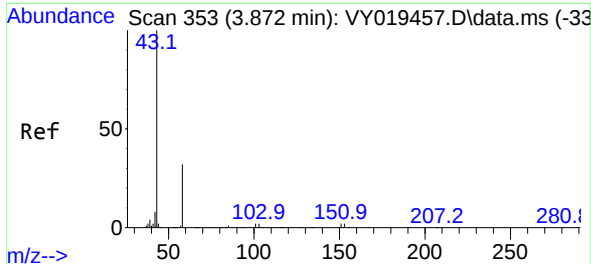
Tgt Ion: 59 Resp: 2750
Ion Ratio Lower Upper
59 100
57 2.3 3.0 4.6#



#13
Acrolein
Concen: Below Cal
RT: 3.677 min Scan# 321
Delta R.T. 0.024 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Tgt Ion: 56 Resp: 103
Ion Ratio Lower Upper
56 100
55 285.4 55.7 83.5#





#16

Acetone

Concen: 15.307 ug/l

RT: 3.872 min Scan# 353

Delta R.T. 0.000 min

Lab File: VY019741.D

Acq: 01 Oct 2024 15:14

Instrument :

MSVOA_Y

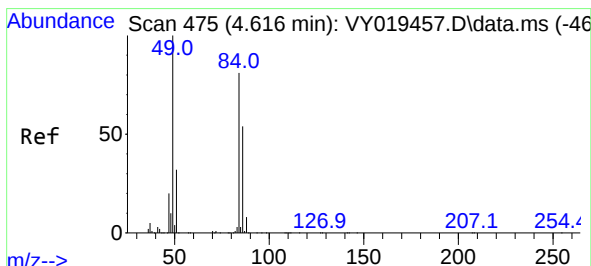
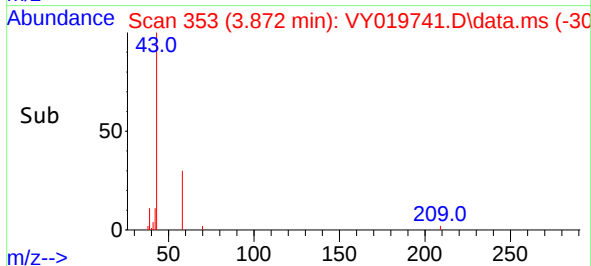
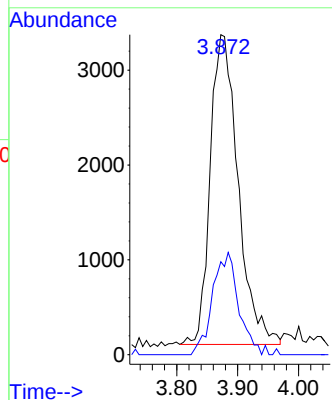
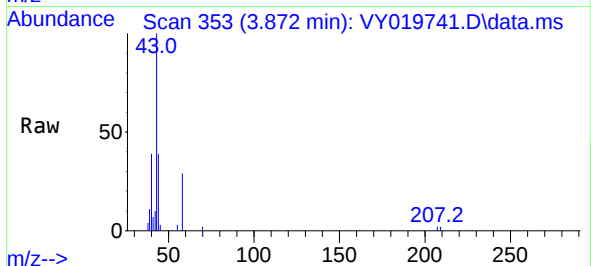
ClientSampleId :

Tgt Ion: 43 Resp: 10363

Ion Ratio Lower Upper

43 100

58 30.0 31.7 47.5#



#20

Methylene Chloride

Concen: 5.381 ug/l

RT: 4.622 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY019741.D

Acq: 01 Oct 2024 15:14

Tgt Ion: 84 Resp: 16614

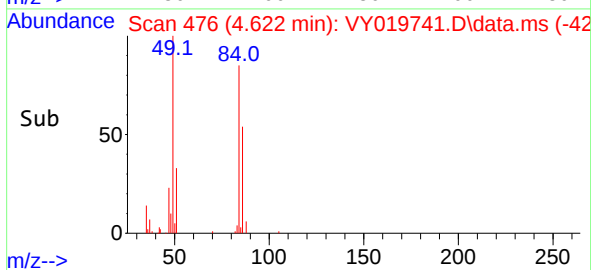
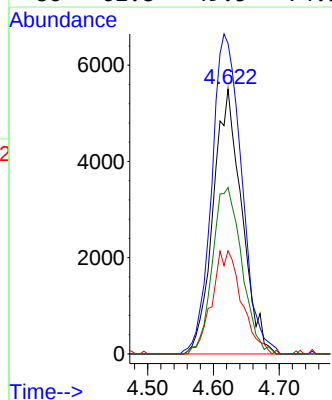
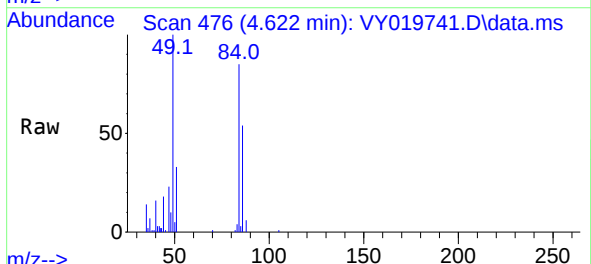
Ion Ratio Lower Upper

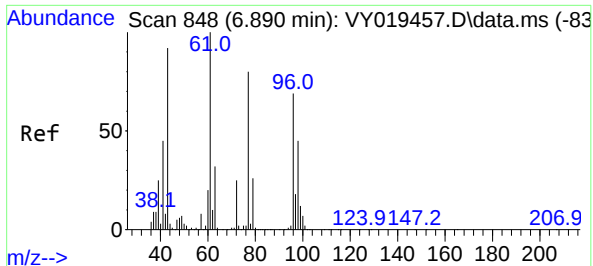
84 100

49 117.1 84.4 126.6

51 39.0 26.0 39.0

86 62.8 49.5 74.3

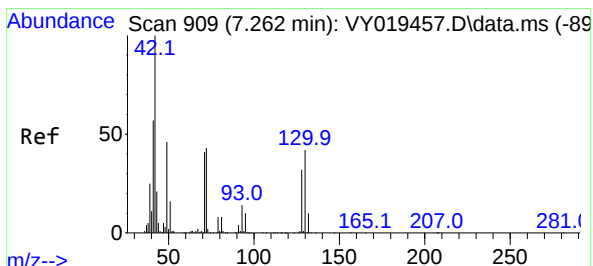
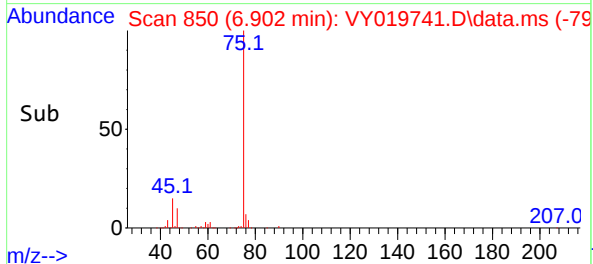
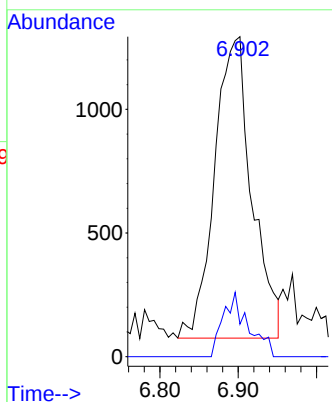
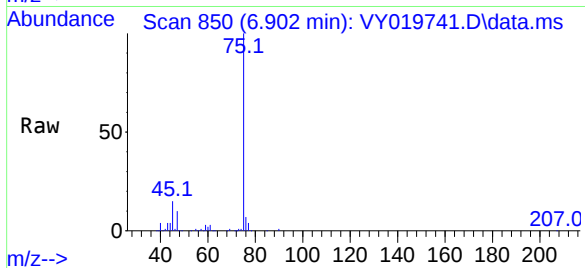




#25
2-Butanone
Concen: 4.188 ug/l
RT: 6.902 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

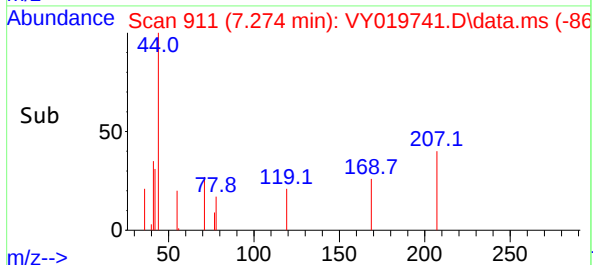
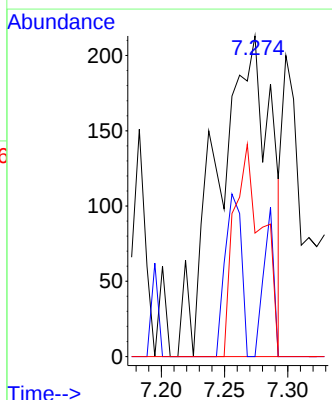
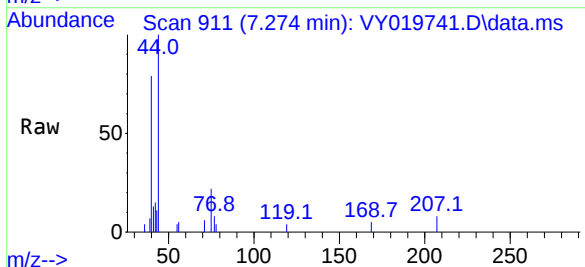
Instrument :
MSVOA_Y
ClientSampleId :

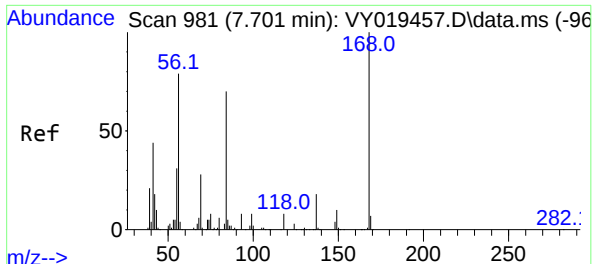
Tgt Ion: 43 Resp: 4033
Ion Ratio Lower Upper
43 100
72 10.7 27.3 40.9#



#29
Tetrahydrofuran
Concen: 1.068 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

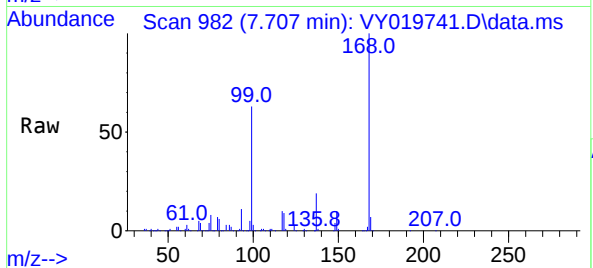
Tgt Ion: 42 Resp: 625
Ion Ratio Lower Upper
42 100
72 8.8 43.0 64.4#
71 35.0 40.8 61.2#



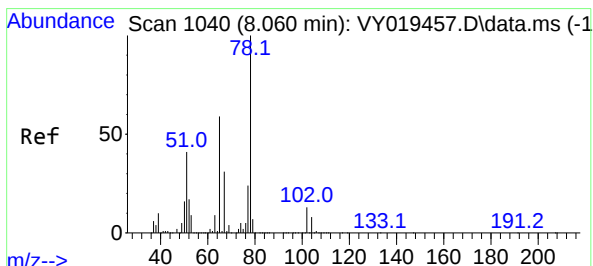
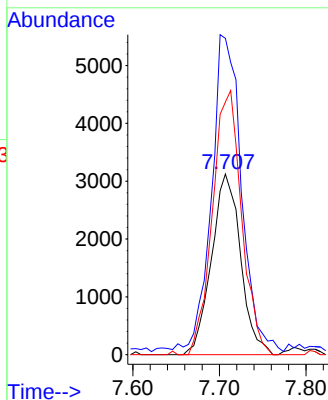
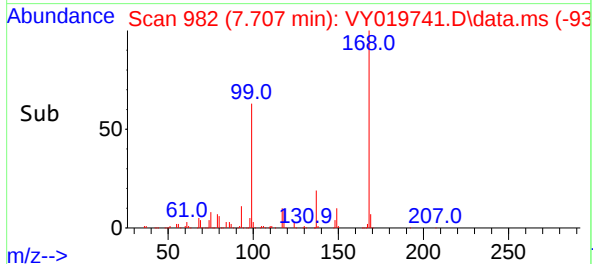


#31
Cyclohexane
Concen: 1.434 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Instrument :
MSVOA_Y
ClientSampleId :

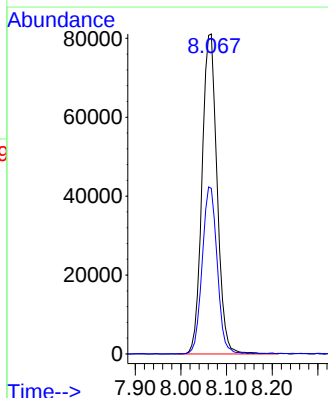
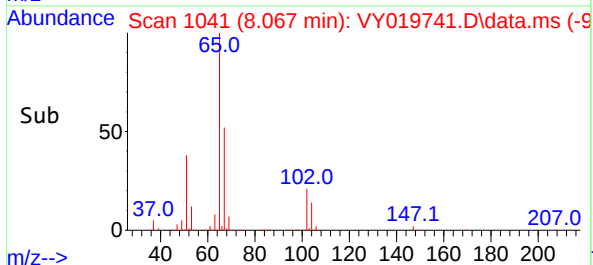
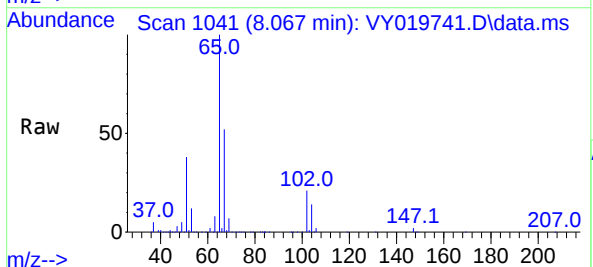


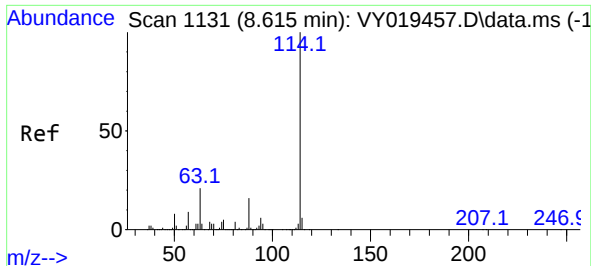
Tgt Ion: 56 Resp: 7291
Ion Ratio Lower Upper
56 100
69 171.2 28.7 43.1#
84 139.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 65.355 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Tgt Ion: 65 Resp: 185729
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.6

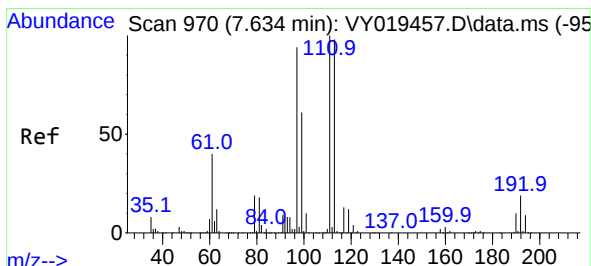
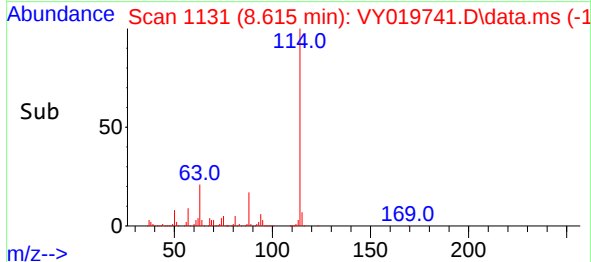
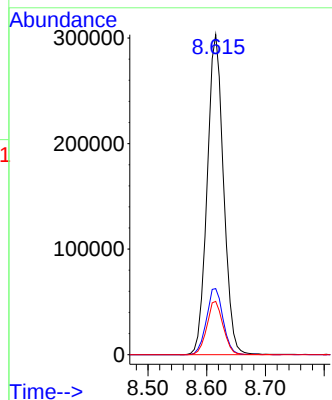
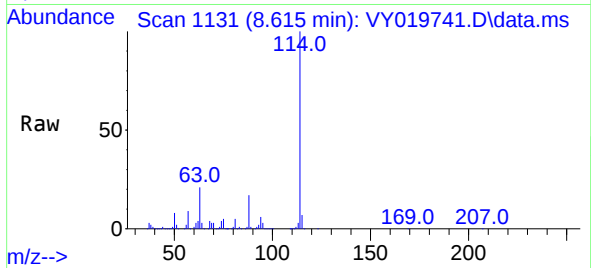




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

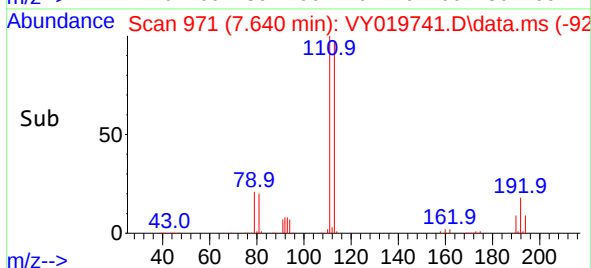
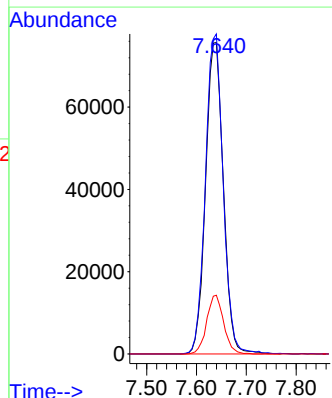
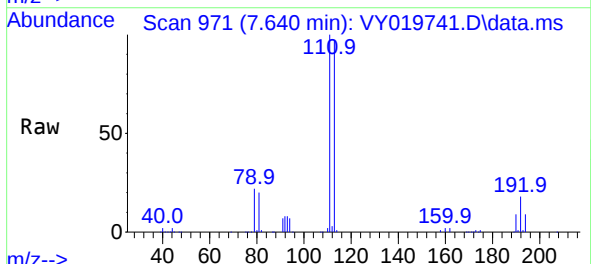
Instrument :
MSVOA_Y
ClientSampleId :

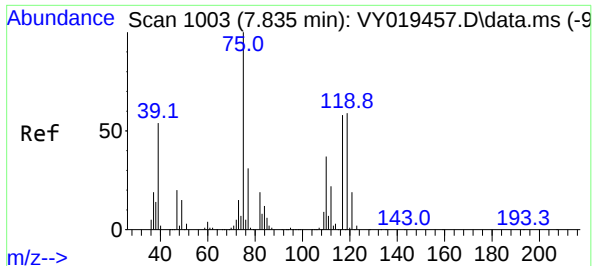
Tgt Ion:114 Resp: 585598
Ion Ratio Lower Upper
114 100
63 20.7 0.0 35.0
88 16.7 0.0 27.2



#35
Dibromofluoromethane
Concen: 56.292 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

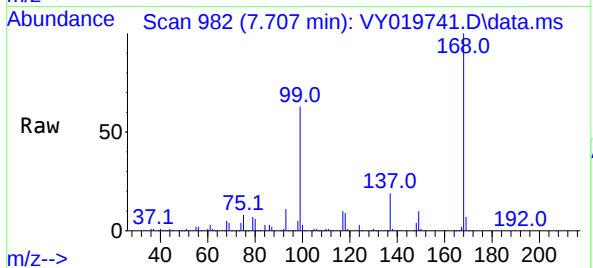
Tgt Ion:113 Resp: 186904
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 18.1 15.9 23.9



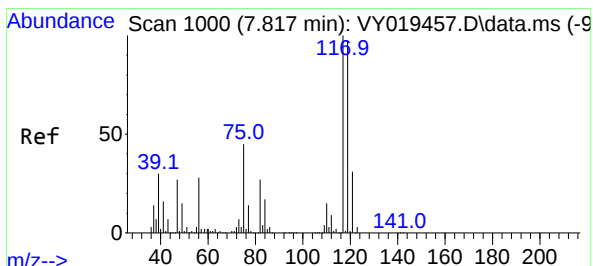
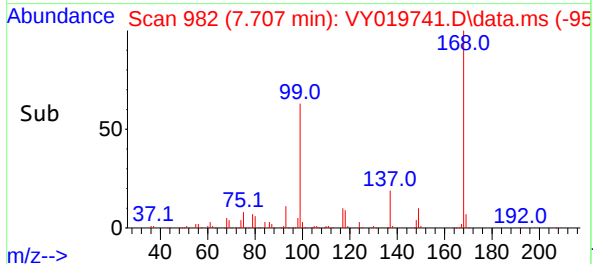
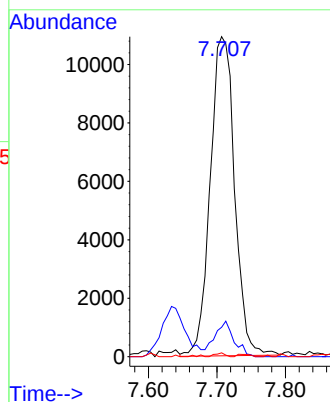


#36
1,1-Dichloropropene
Concen: 5.981 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Instrument :
MSVOA_Y
ClientSampleId :

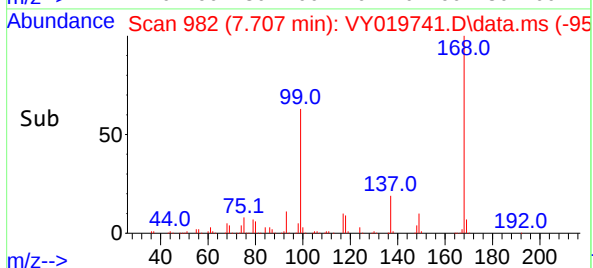
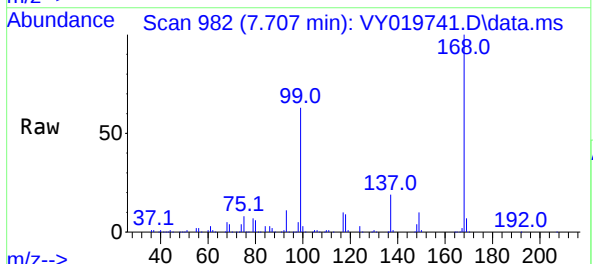
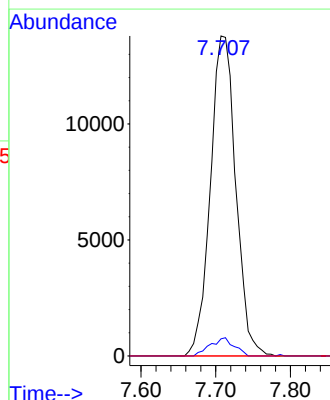


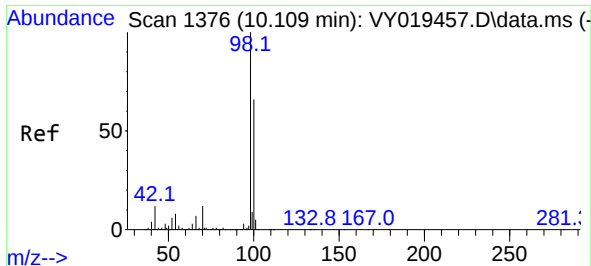
Tgt Ion: 75 Resp: 27022
Ion Ratio Lower Upper
75 100
110 8.7 19.0 57.0#
77 0.5 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.398 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Tgt Ion: 117 Resp: 32597
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#

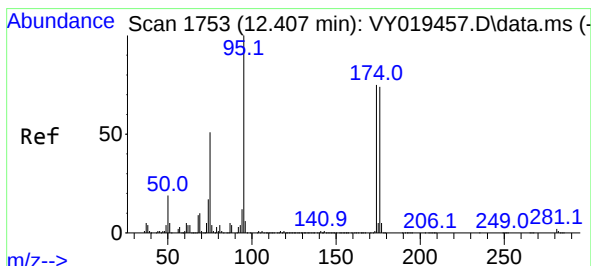
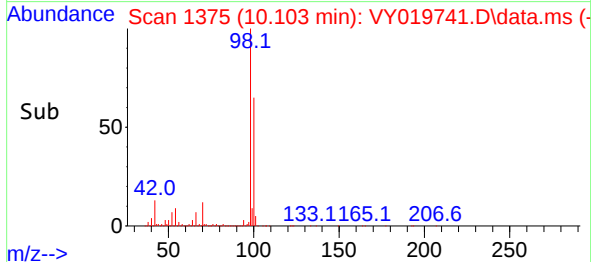
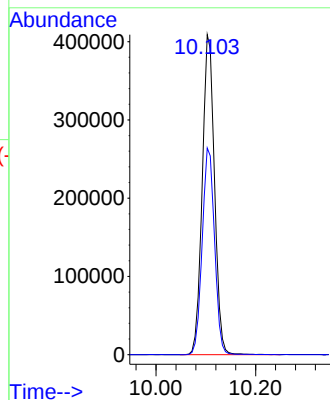
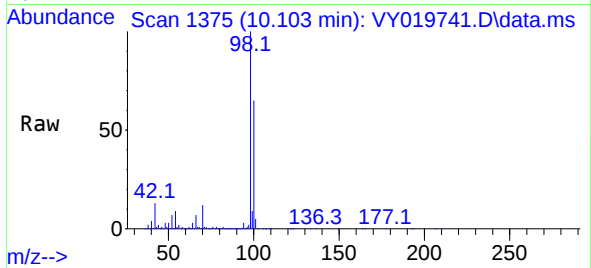




#50
Toluene-d8
Concen: 56.601 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

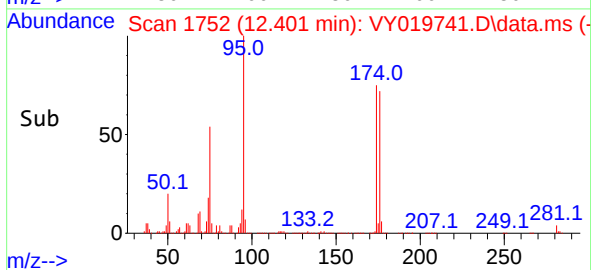
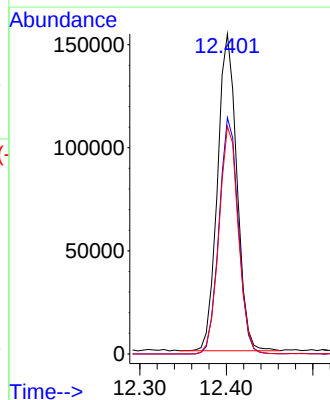
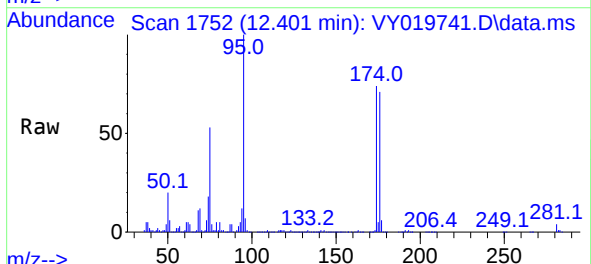
Instrument :
MSVOA_Y
ClientSampleId :

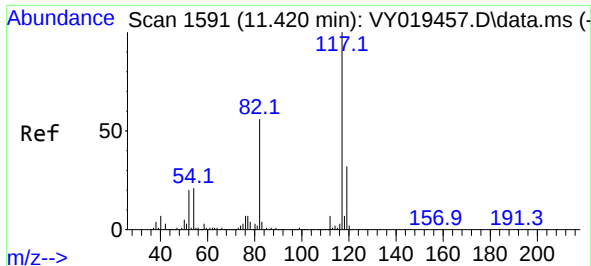
Tgt Ion: 98 Resp: 695104
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 50.583 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

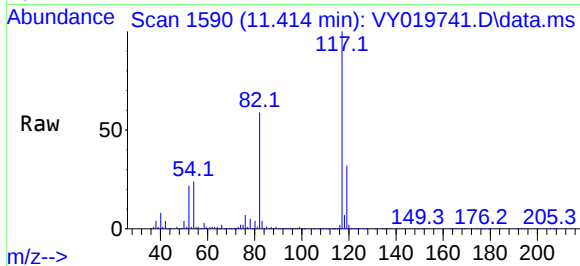
Tgt Ion: 95 Resp: 238854
Ion Ratio Lower Upper
95 100
174 74.1 0.0 175.6
176 71.8 0.0 171.4



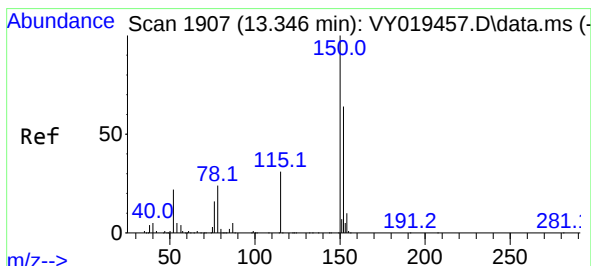
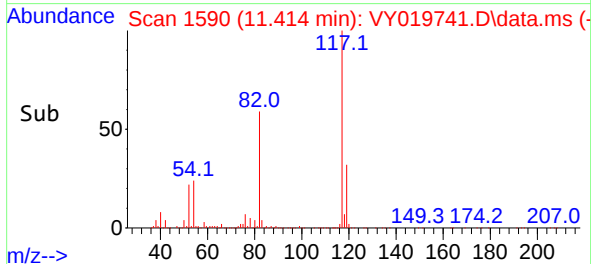
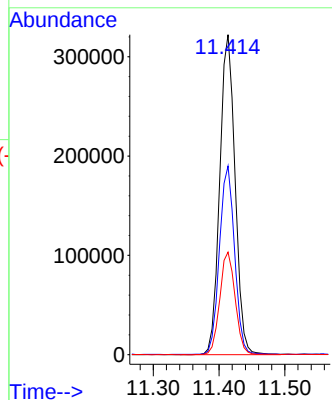


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Instrument :
MSVOA_Y
ClientSampleId :

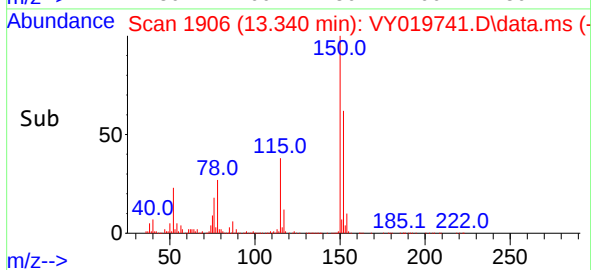
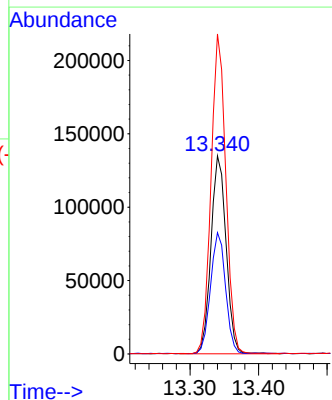
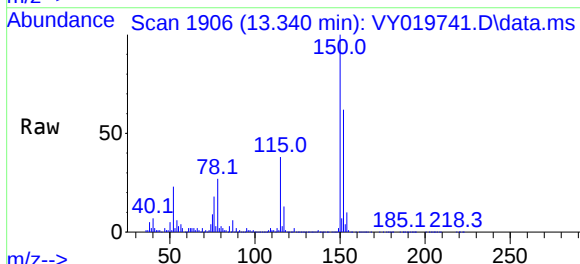


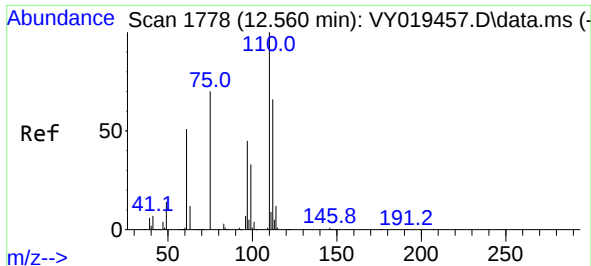
Tgt Ion:117 Resp: 523128
Ion Ratio Lower Upper
117 100
82 58.8 42.4 63.6
119 32.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Tgt Ion:152 Resp: 206717
Ion Ratio Lower Upper
152 100
115 60.7 28.2 84.7
150 157.9 0.0 345.6

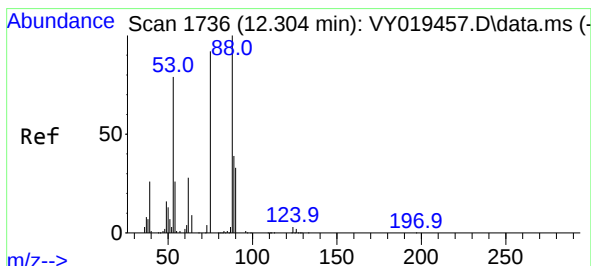
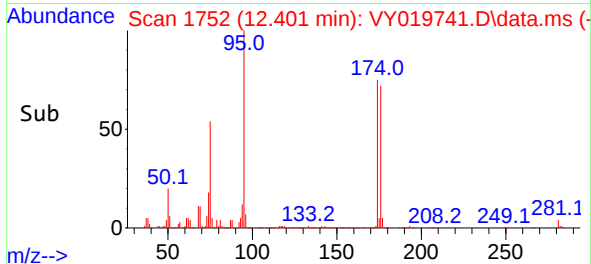
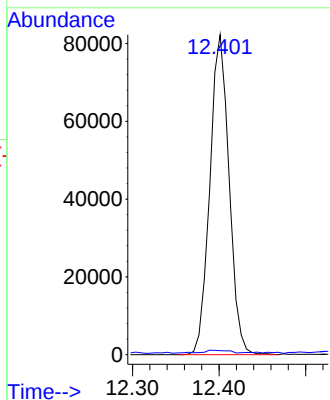
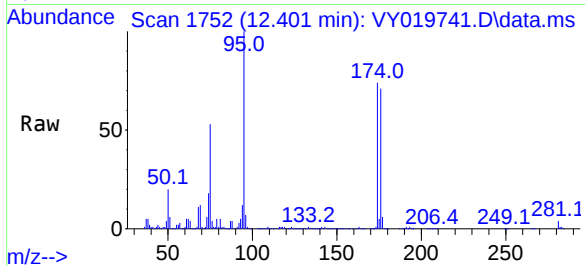




#76
1,2,3-Trichloropropane
Concen: 65.494 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.159 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 126898
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.730 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019741.D
Acq: 01 Oct 2024 15:14

Tgt Ion: 75 Resp: 126898
Ion Ratio Lower Upper
75 100
53 0.2 66.8 100.2#
89 0.1 35.8 53.6#

