

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019609.D
 Acq On : 18 Sep 2024 16:31
 Operator : SY/MD
 Sample : P4087-09
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:26:27 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)

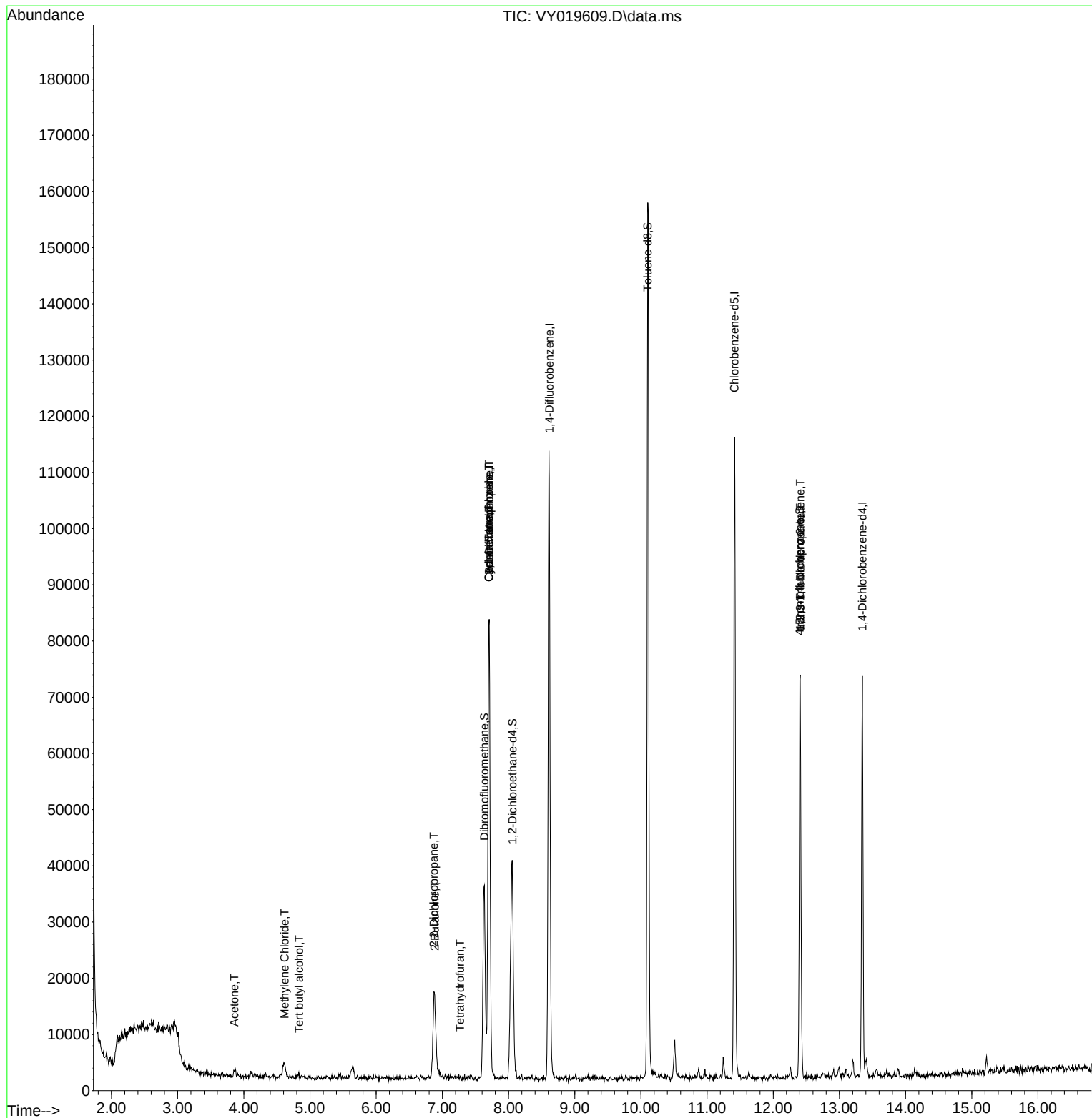
Internal Standards						
1) Pentafluorobenzene	7.707	168	60051	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	93002	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	61962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	17198	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	22816	41.032	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.060%		
35) Dibromofluoromethane	7.634	113	25500	48.359	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.720%		
50) Toluene-d8	10.103	98	101547	52.065	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.140%		
62) 4-Bromofluorobenzene	12.402	95	23144	30.861	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	61.720%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.836	59	564	12.560	ug/l	# 88
13) Acrolein	3.665	56	39	Below Cal		97
16) Acetone	3.854	43	875	6.605	ug/l	# 78
20) Methylene Chloride	4.616	84	1789	2.961	ug/l	# 87
25) 2-Butanone	6.884	43	1201	6.374	ug/l	# 41
26) 2,2-Dichloropropane	6.872	77	1461	1.471	ug/l	# 51
29) Tetrahydrofuran	7.268	42	153	1.336	ug/l	# 26
31) Cyclohexane	7.701	56	1638	1.646	ug/l	# 48
36) 1,1-Dichloropropene	7.707	75	5603	7.809	ug/l	# 46
38) Carbon Tetrachloride	7.701	117	6768	8.365	ug/l	# 16
76) 1,2,3-Trichloropropane	12.408	75	12593	78.123	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	12593	149.973	ug/l	# 16

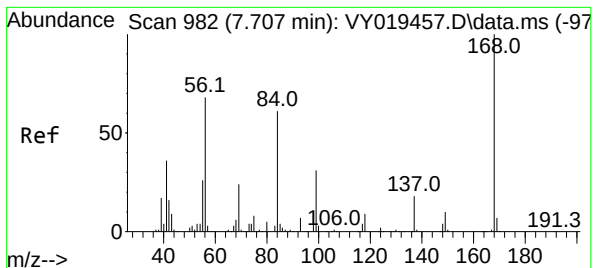
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY019609.D

Acq: 18 Sep 2024 16:31

Instrument :

MSVOA_Y

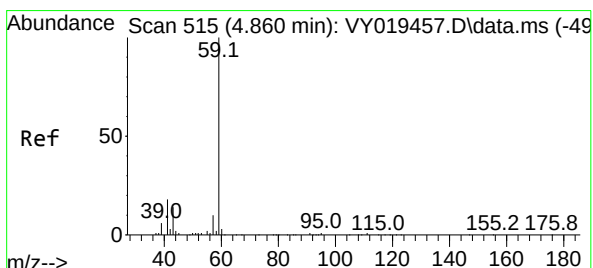
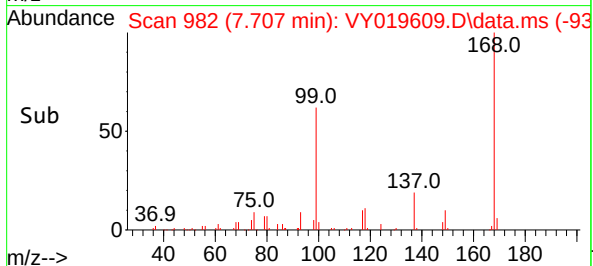
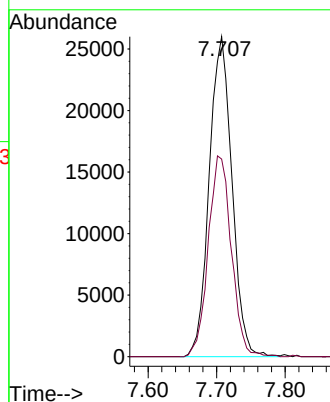
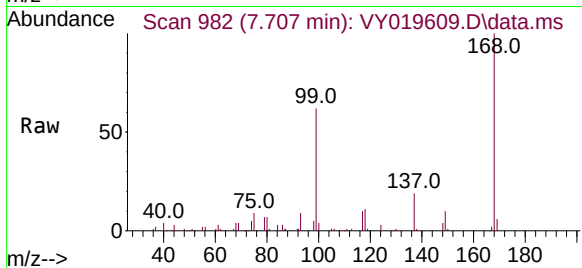
ClientSampleId :

Tgt Ion:168 Resp: 60051

Ion Ratio Lower Upper

168 100

99 61.7 39.1 58.7#



#11

Tert butyl alcohol

Concen: 12.560 ug/l

RT: 4.836 min Scan# 511

Delta R.T. -0.024 min

Lab File: VY019609.D

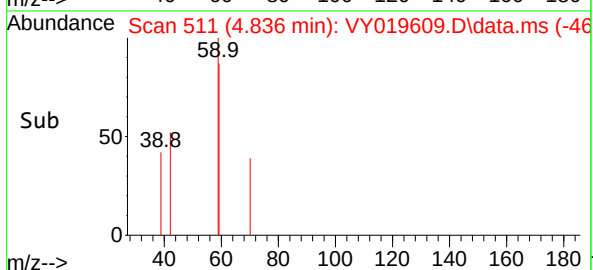
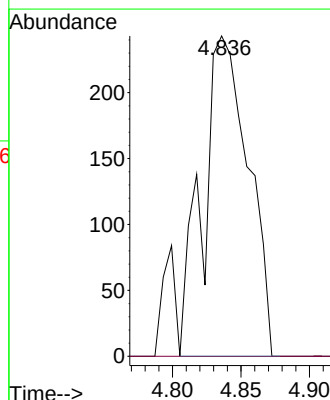
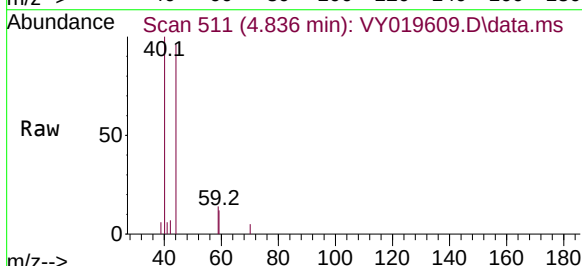
Acq: 18 Sep 2024 16:31

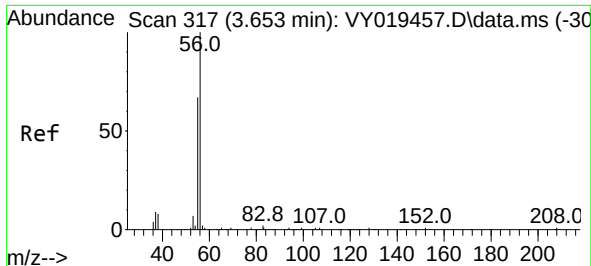
Tgt Ion: 59 Resp: 564

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#

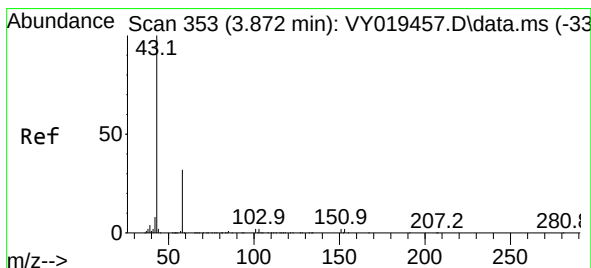
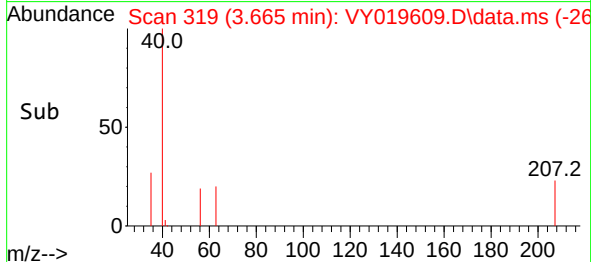
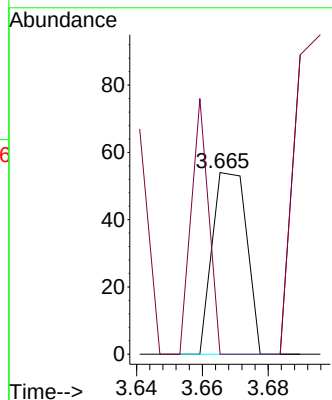
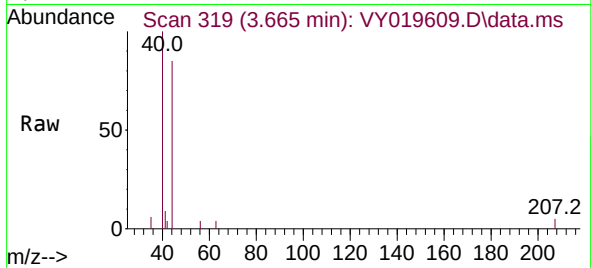




#13
Acrolein
Concen: Below Cal
RT: 3.665 min Scan# 317
Delta R.T. 0.012 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

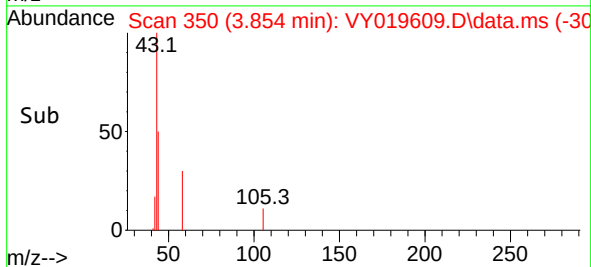
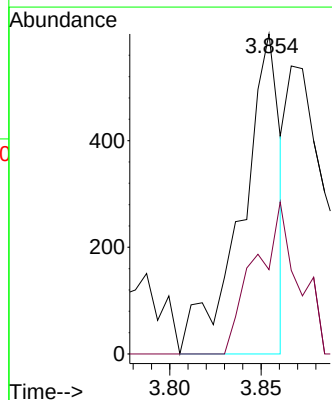
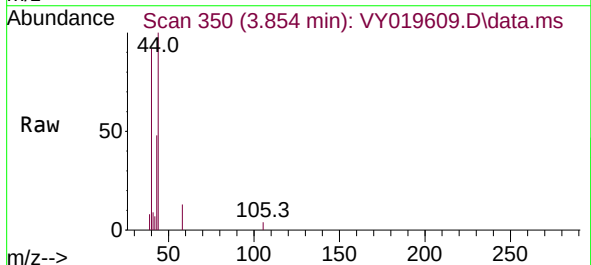
Instrument :
MSVOA_Y
ClientSampleId :

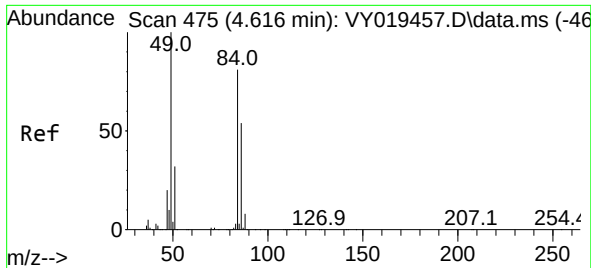
Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 71.8 55.7 83.5



#16
Acetone
Concen: 6.605 ug/l
RT: 3.854 min Scan# 350
Delta R.T. -0.018 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

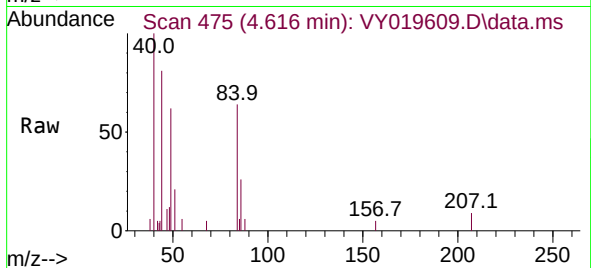
Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 26.3 31.7 47.5#



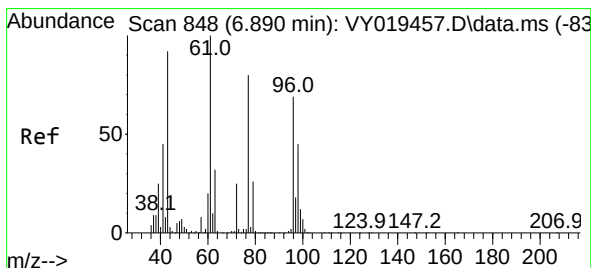
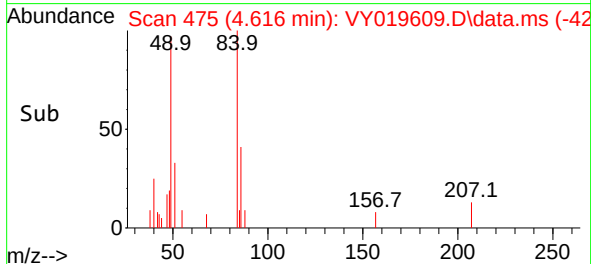
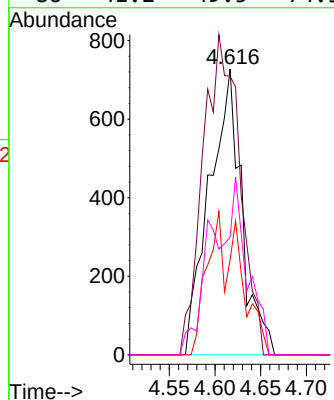


#20
Methylene Chloride
Concen: 2.961 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

Instrument :
MSVOA_Y
ClientSampleId :

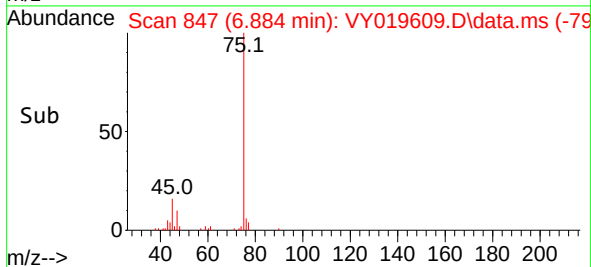
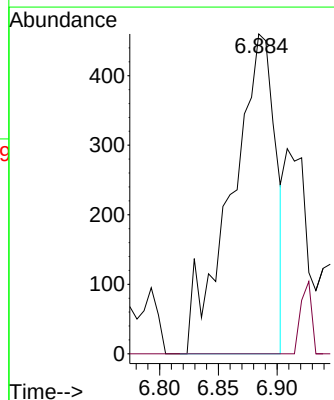
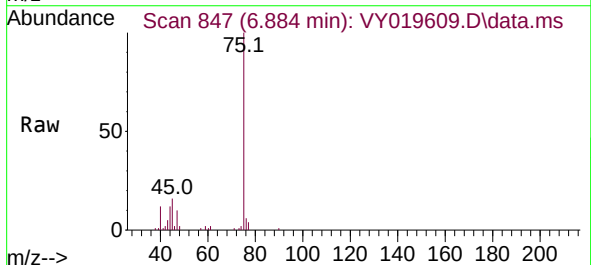


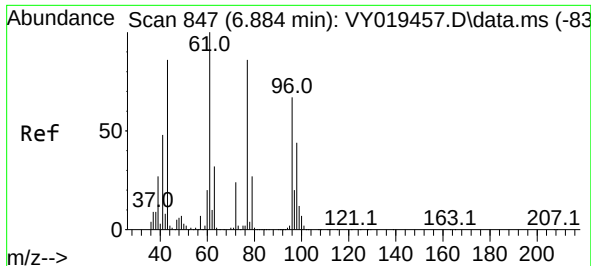
Tgt Ion:	84	Resp:	1789
Ion	Ratio	Lower	Upper
84	100		
49	97.4	84.4	126.6
51	33.2	26.0	39.0
86	41.2	49.5	74.3



#25
2-Butanone
Concen: 6.374 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.006 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

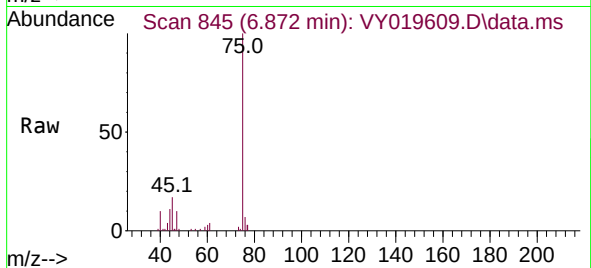
Tgt Ion:	43	Resp:	1201
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9



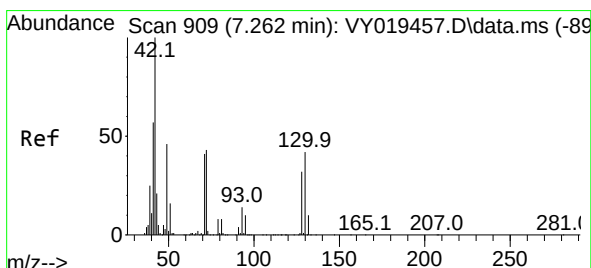
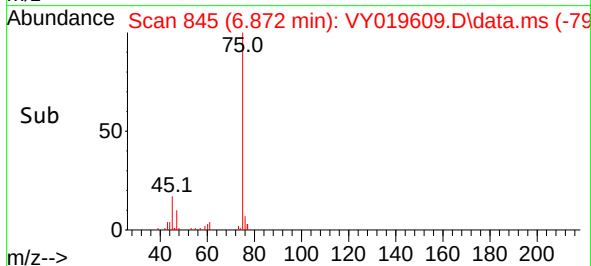
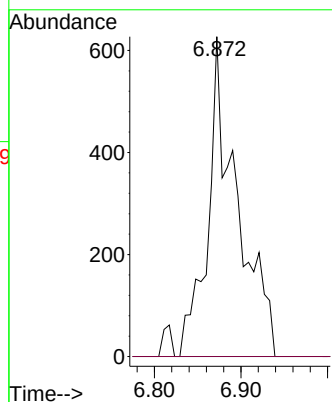


#26
2,2-Dichloropropane
Concen: 1.471 ug/l
RT: 6.872 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

Instrument :
MSVOA_Y
ClientSampleId :

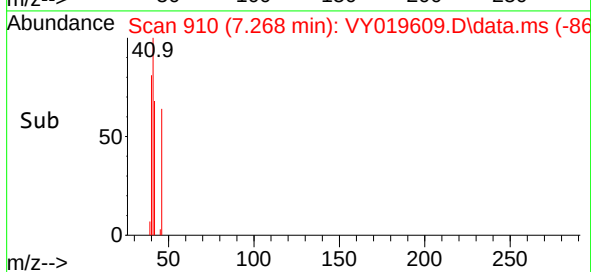
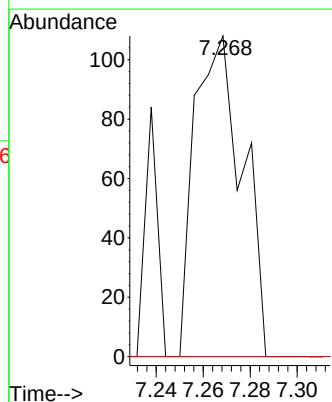
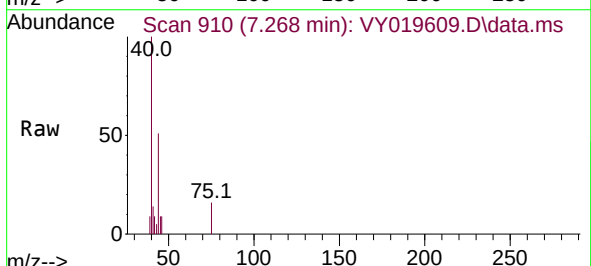


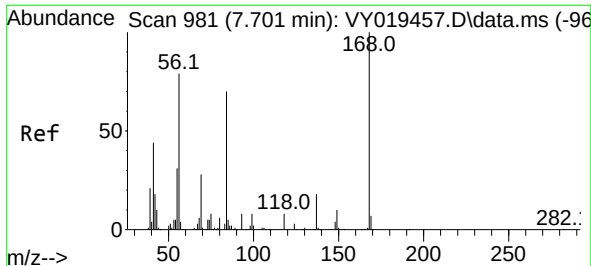
Tgt Ion: 77 Resp: 1461
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#



#29
Tetrahydrofuran
Concen: 1.336 ug/l
RT: 7.268 min Scan# 910
Delta R.T. 0.007 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

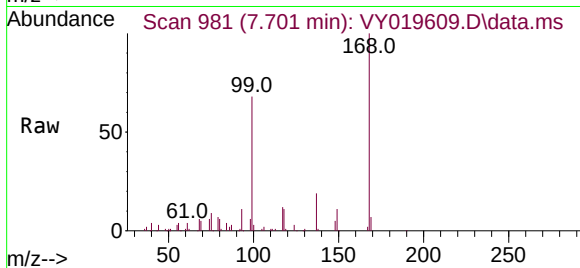
Tgt Ion: 42 Resp: 153
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#



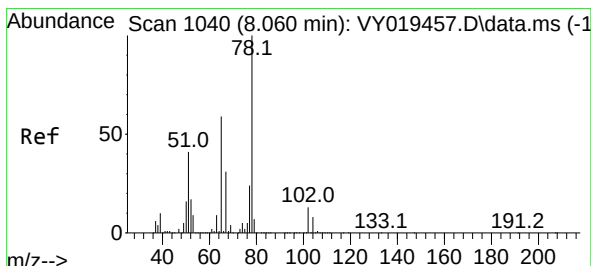
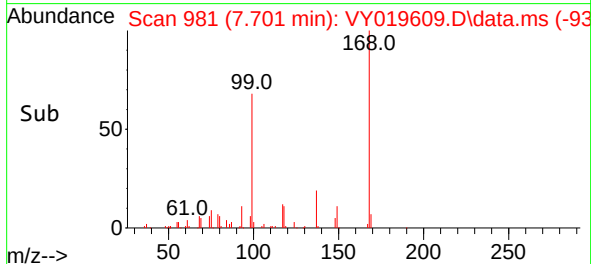
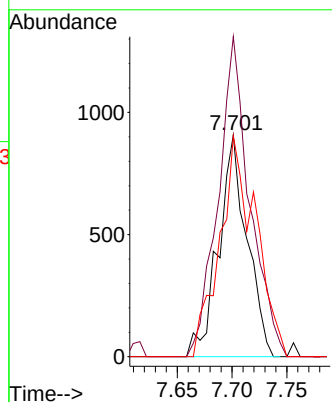


#31
Cyclohexane
Concen: 1.646 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

Instrument :
MSVOA_Y
ClientSampleId :

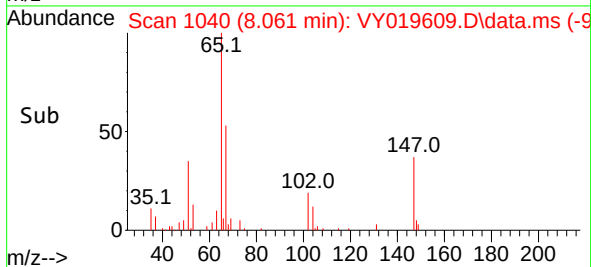
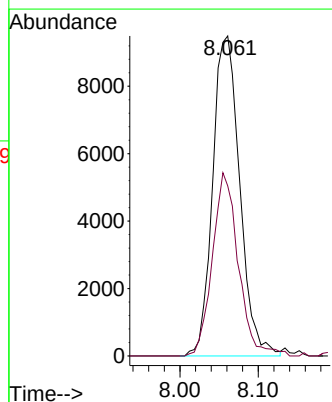
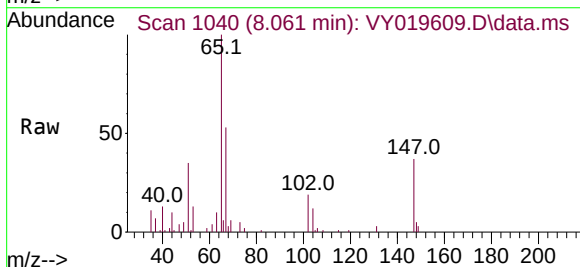


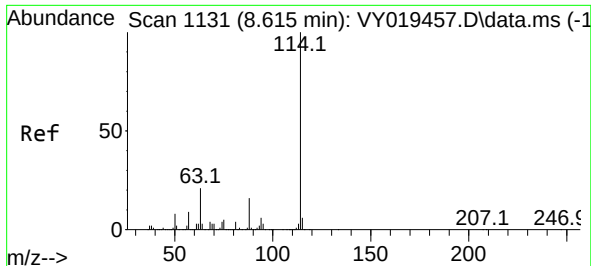
Tgt Ion: 56 Resp: 1638
Ion Ratio Lower Upper
56 100
69 144.4 28.7 43.1#
84 99.7 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 41.032 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

Tgt Ion: 65 Resp: 22816
Ion Ratio Lower Upper
65 100
67 54.9 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019609.D

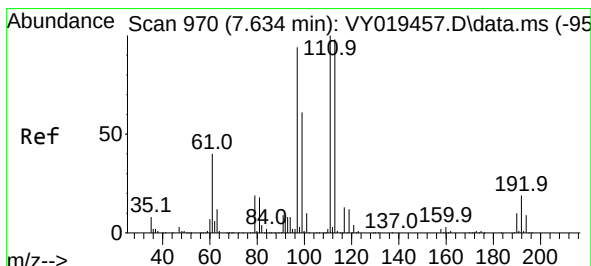
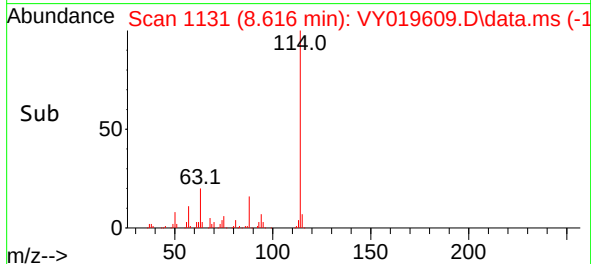
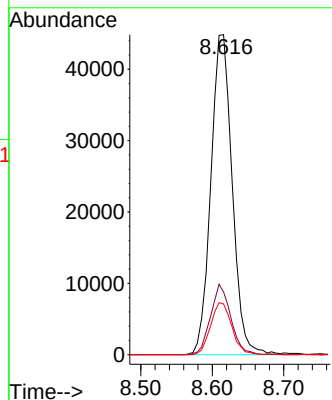
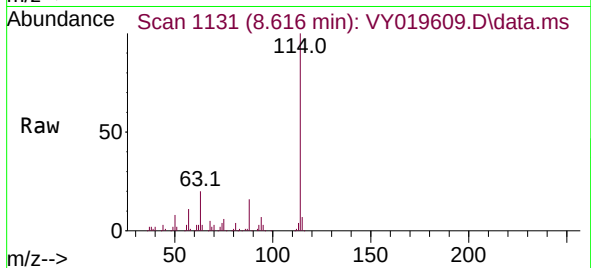
Acq: 18 Sep 2024 16:31

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	93002
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	35.0
88	15.9	0.0	27.2



#35

Dibromofluoromethane

Concen: 48.359 ug/l

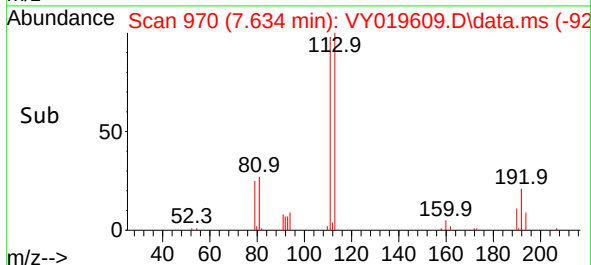
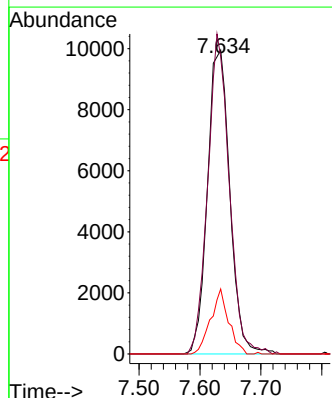
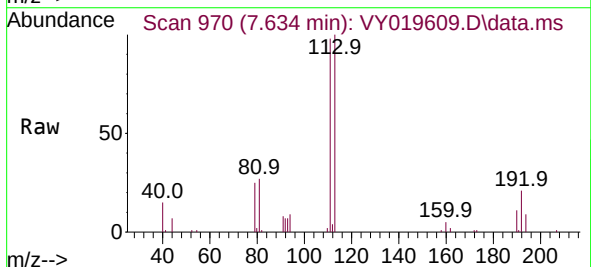
RT: 7.634 min Scan# 970

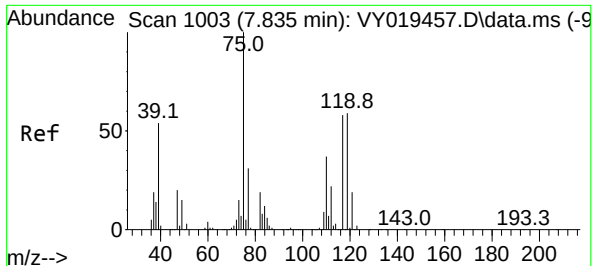
Delta R.T. 0.000 min

Lab File: VY019609.D

Acq: 18 Sep 2024 16:31

Tgt Ion:	113	Resp:	25500
Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.2	123.4
192	17.1	15.9	23.9





#36

1,1-Dichloropropene

Concen: 7.809 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

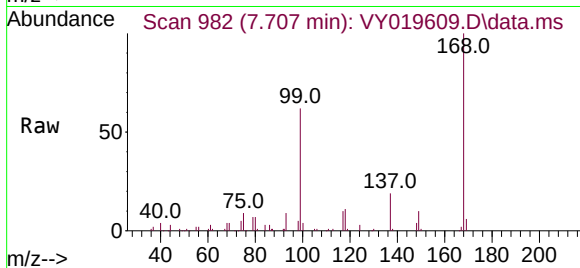
Lab File: VY019609.D

Acq: 18 Sep 2024 16:31

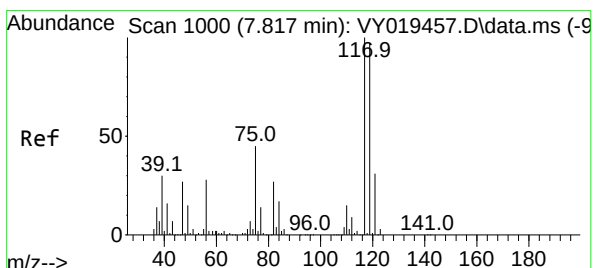
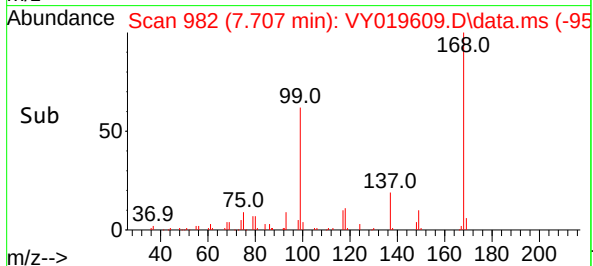
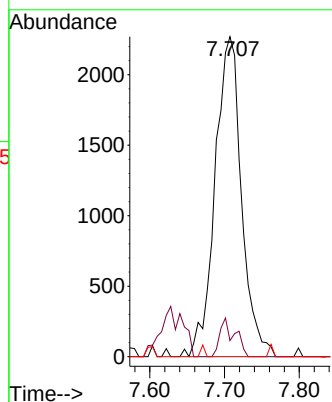
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	5603
Ion	Ratio	Lower	Upper
75	100		
110	6.8	19.0	57.0#
77	0.0	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 8.365 ug/l

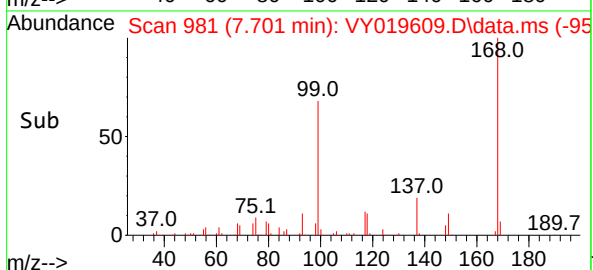
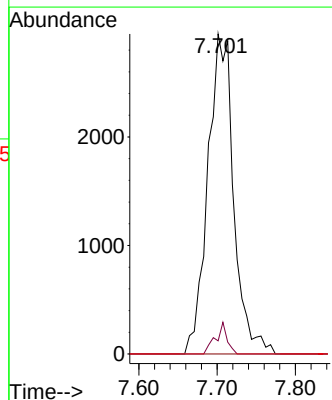
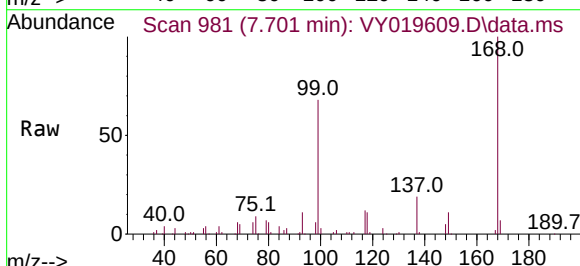
RT: 7.701 min Scan# 981

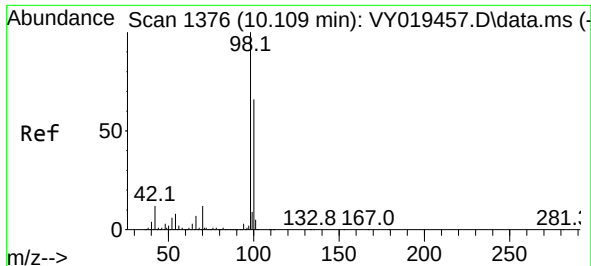
Delta R.T. -0.115 min

Lab File: VY019609.D

Acq: 18 Sep 2024 16:31

Tgt Ion:	117	Resp:	6768
Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.8	113.6#
121	0.0	24.0	36.0#

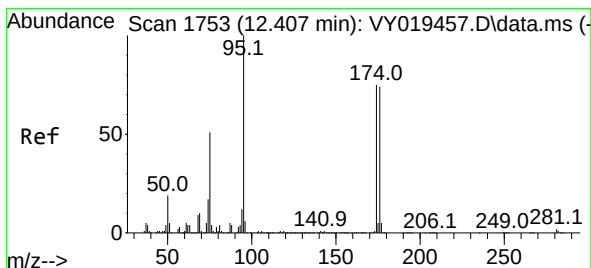
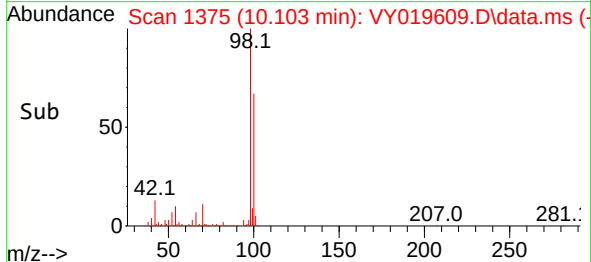
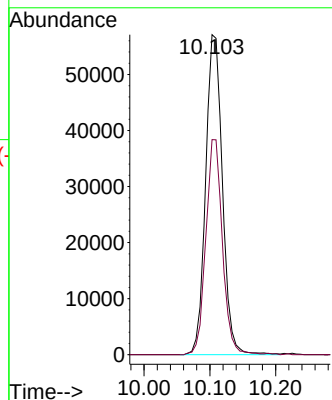
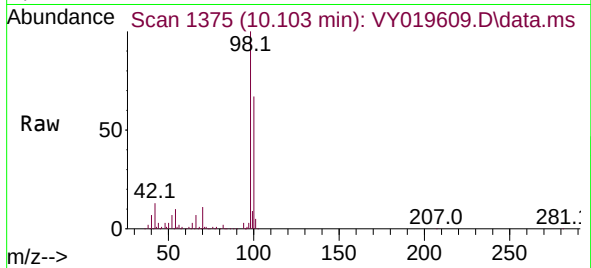




#50
Toluene-d8
Concen: 52.065 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

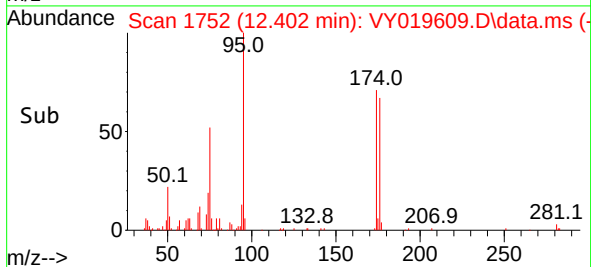
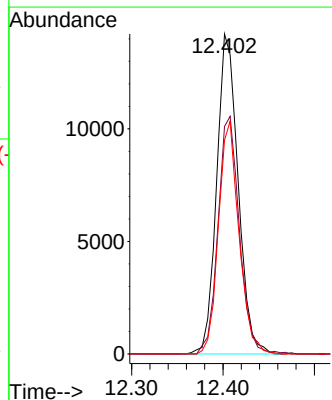
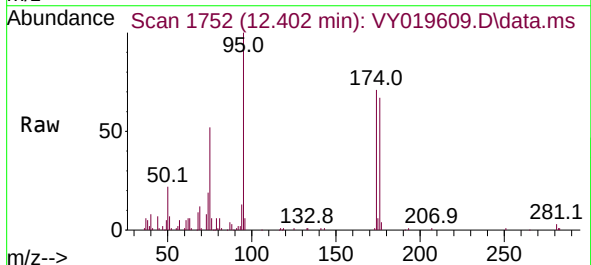
Instrument :
MSVOA_Y
ClientSampleId :

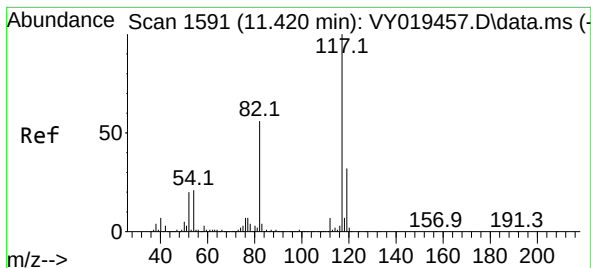
Tgt Ion: 98 Resp: 101547
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 30.861 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

Tgt Ion: 95 Resp: 23144
Ion Ratio Lower Upper
95 100
174 74.2 0.0 175.6
176 69.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

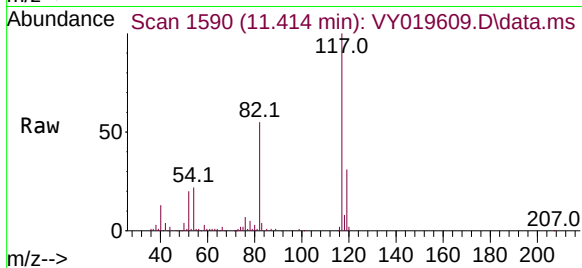
Lab File: VY019609.D

Acq: 18 Sep 2024 16:31

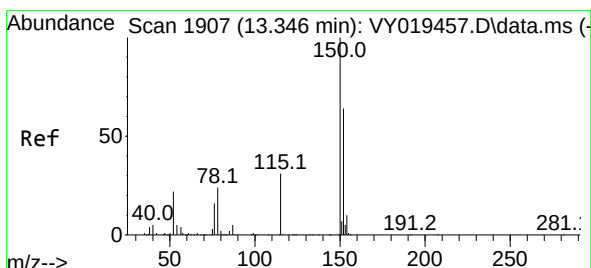
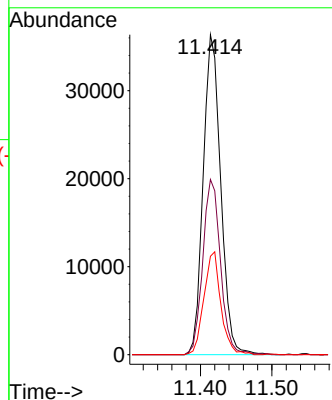
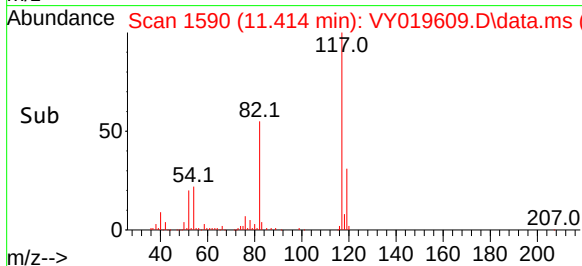
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117	Resp:	61962
Ion	Ratio	Lower Upper
117	100	
82	54.8	42.4 63.6
119	30.8	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

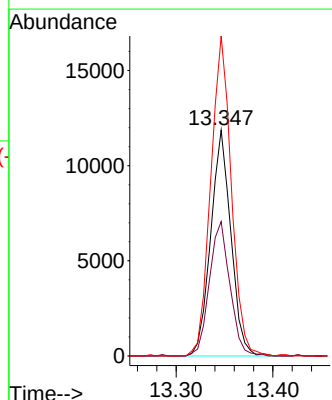
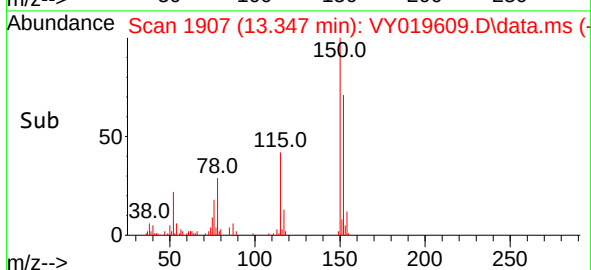
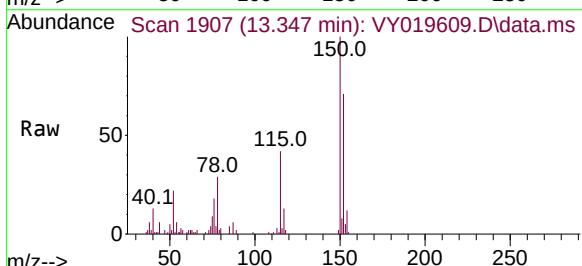
RT: 13.347 min Scan# 1907

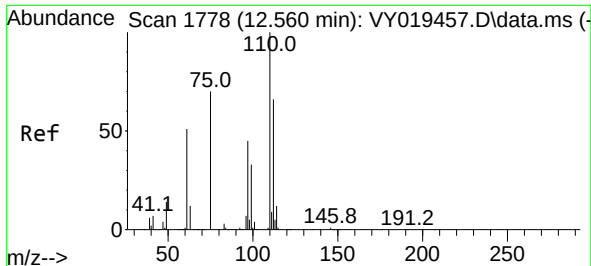
Delta R.T. 0.000 min

Lab File: VY019609.D

Acq: 18 Sep 2024 16:31

Tgt Ion:152	Resp:	17198
Ion	Ratio	Lower Upper
152	100	
115	60.6	28.2 84.7
150	144.6	0.0 345.6

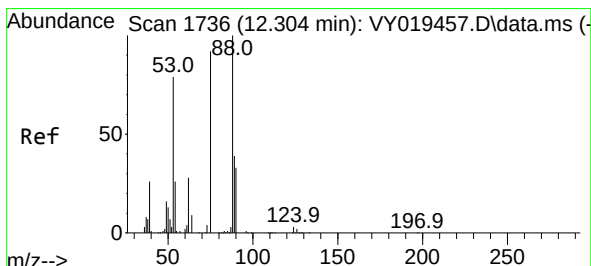
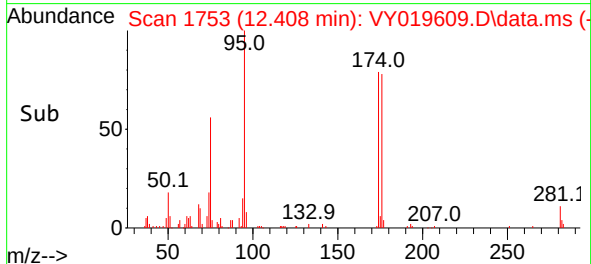
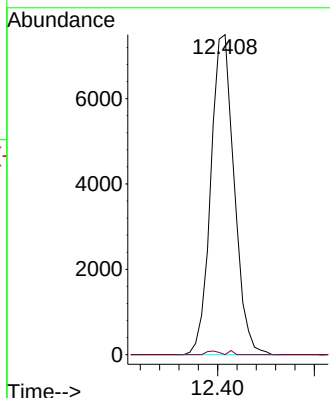
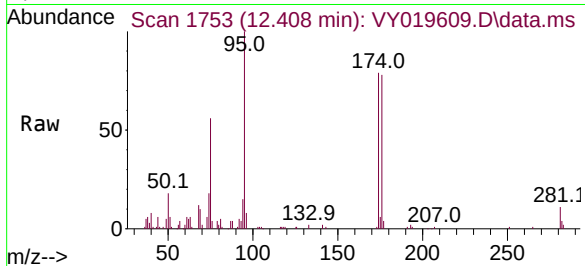




#76
1,2,3-Trichloropropane
Concen: 78.123 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 12593
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 149.973 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019609.D
Acq: 18 Sep 2024 16:31

Tgt Ion: 75 Resp: 12593
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.3 35.8 53.6#

