

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081924\
 Data File : VY019117.D
 Acq On : 19 Aug 2024 15:15
 Operator : SY/MD
 Sample : P3617-06
 Misc : 3.27g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 20 01:46:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

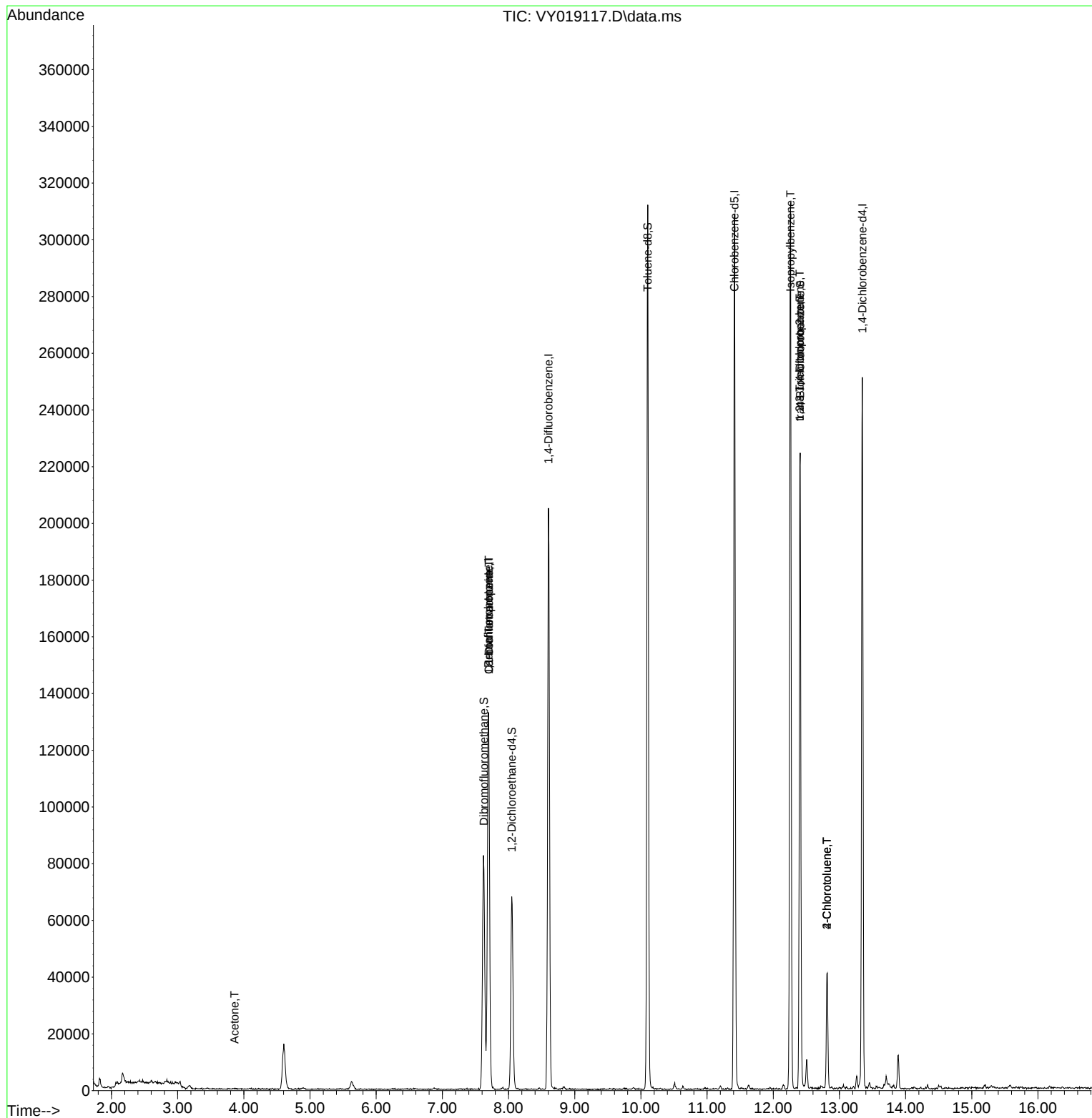
Internal Standards						
1) Pentafluorobenzene	7.695	168	103989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	178114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	161639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	63030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	53266	51.099	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.200%			
35) Dibromofluoromethane	7.628	113	57973	49.779	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.560%			
50) Toluene-d8	10.103	98	194879	46.499	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 93.000%			
62) 4-Bromofluorobenzene	12.408	95	67194	47.031	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 94.060%			
Target Compounds						
5) Bromomethane	2.598	94	311	Below Cal	Qvalue 93	
6) Chloroethane	2.678	64	21	Below Cal	# 42	
11) Tert butyl alcohol	4.848	59	76	Below Cal	# 88	
16) Acetone	3.860	43	717	3.709 ug/l	# 36	
20) Methylene Chloride	4.604	84	11195	Below Cal	# 83	
31) Cyclohexane	7.695	56	2374	Below Cal	# 22	
36) 1,1-Dichloropropene	7.701	75	8309	5.196 ug/l	# 48	
38) Carbon Tetrachloride	7.701	117	10230	5.520 ug/l	# 16	
73) Isopropylbenzene	12.261	105	12651	2.619 ug/l	# 65	
76) 1,2,3-Trichloropropane	12.401	75	36793	59.192 ug/l	# 100	
79) 2-Chlorotoluene	12.810	91	5297	1.636 ug/l	# 39	
81) trans-1,4-Dichloro-2-b...	12.401	75	36793	146.184 ug/l	# 16	
82) 4-Chlorotoluene	12.810	91	5297	1.573 ug/l	# 39	

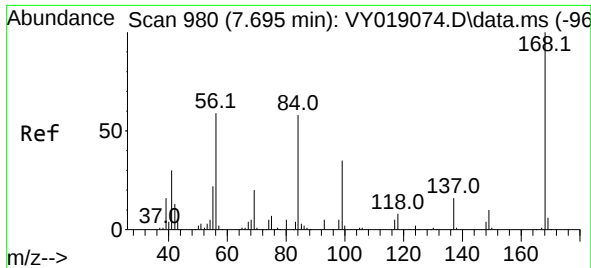
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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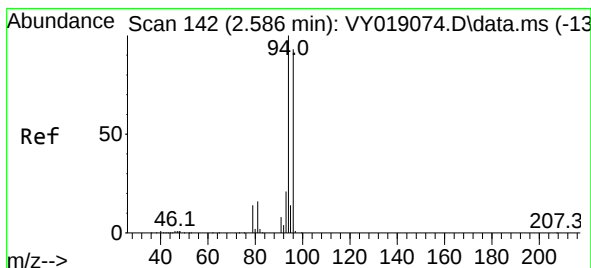
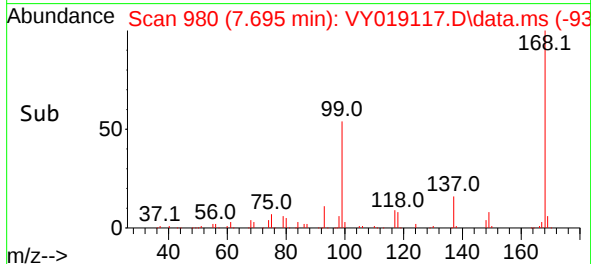
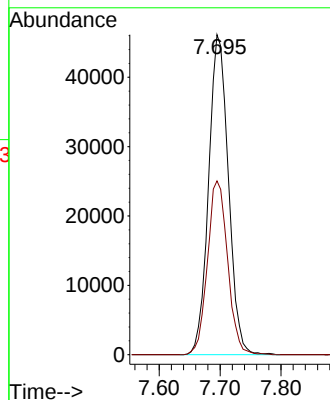
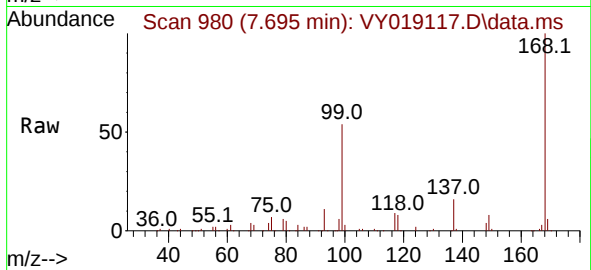




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

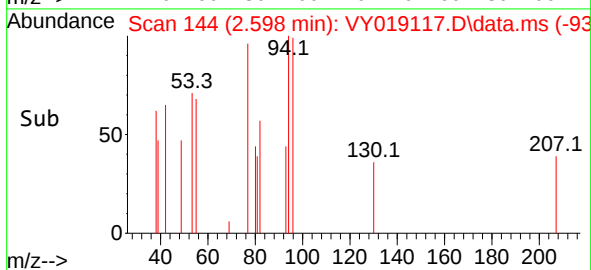
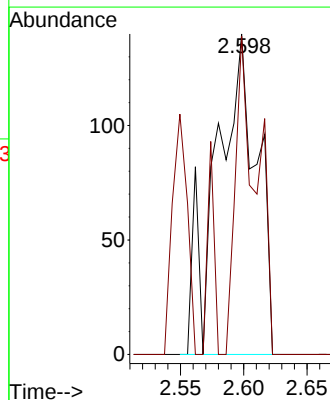
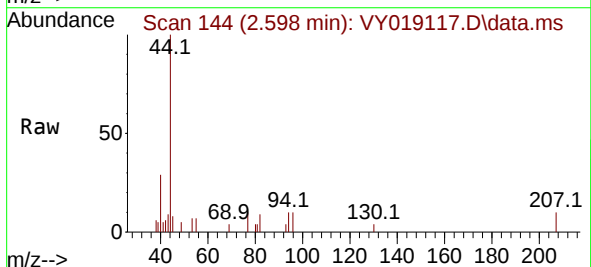
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 103989
Ion Ratio Lower Upper
168 100
99 54.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

Tgt Ion: 94 Resp: 311
Ion Ratio Lower Upper
94 100
96 99.3 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.848 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY019117.D

Acq: 19 Aug 2024 15:15

Instrument :

MSVOA_Y

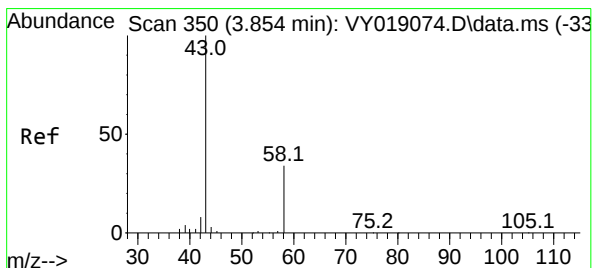
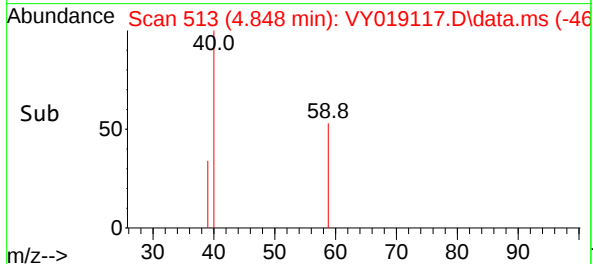
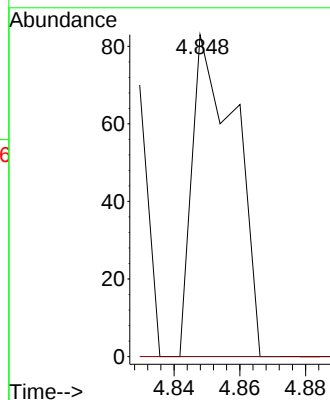
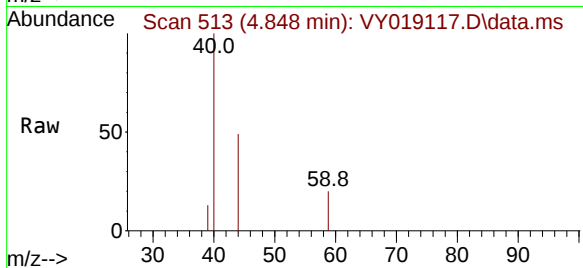
ClientSampleId :

Tgt Ion: 59 Resp: 76

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 3.709 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY019117.D

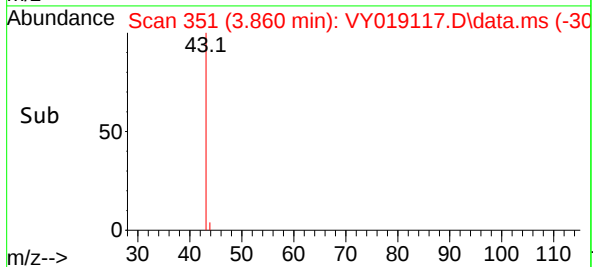
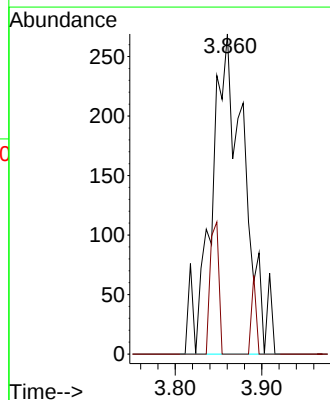
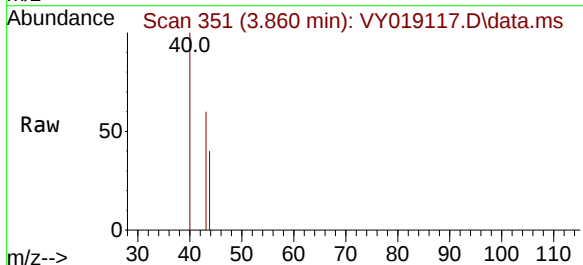
Acq: 19 Aug 2024 15:15

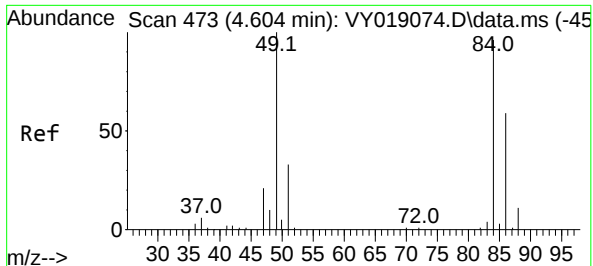
Tgt Ion: 43 Resp: 717

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY019117.D

Acq: 19 Aug 2024 15:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 11195

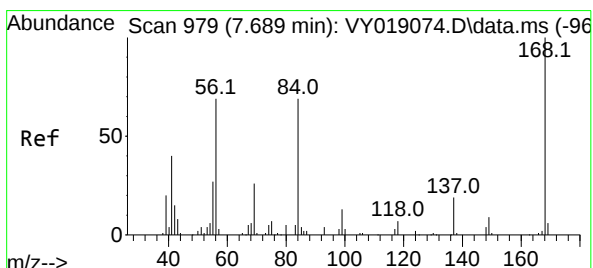
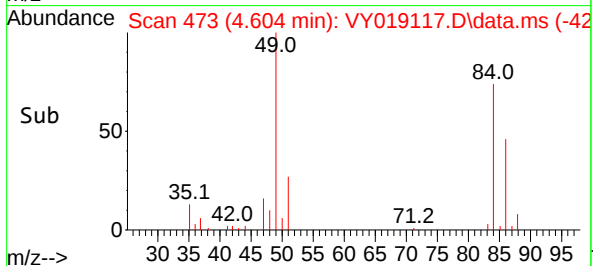
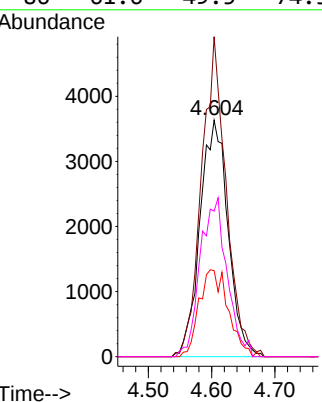
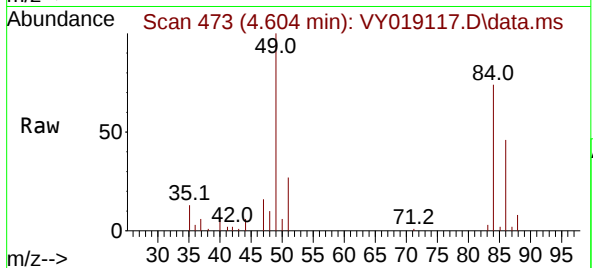
Ion Ratio Lower Upper

84 100

49 135.3 84.4 126.6#

51 36.4 26.0 39.0

86 61.6 49.5 74.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019117.D

Acq: 19 Aug 2024 15:15

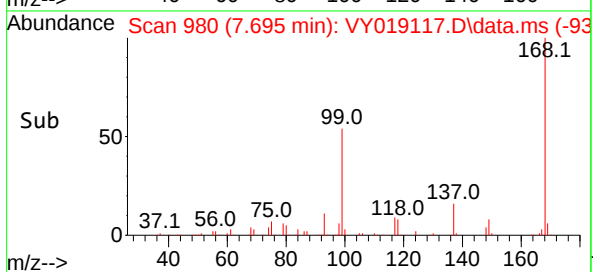
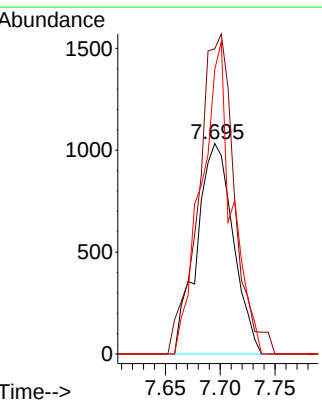
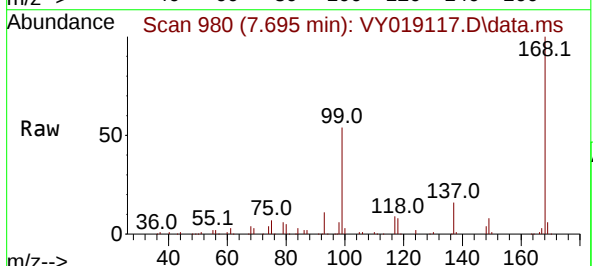
Tgt Ion: 56 Resp: 2374

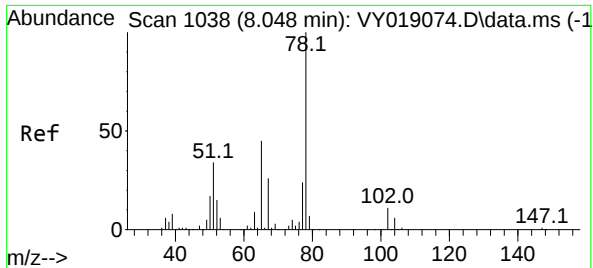
Ion Ratio Lower Upper

56 100

69 145.0 28.7 43.1#

84 135.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.099 ug/l

RT: 8.049 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY019117.D

Acq: 19 Aug 2024 15:15

Instrument :

MSVOA_Y

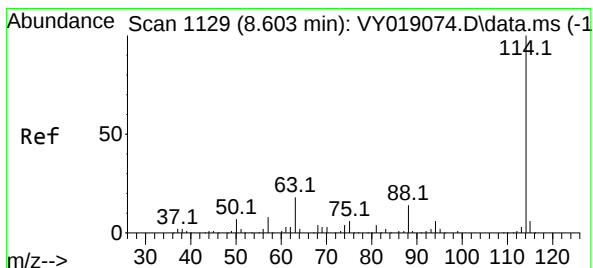
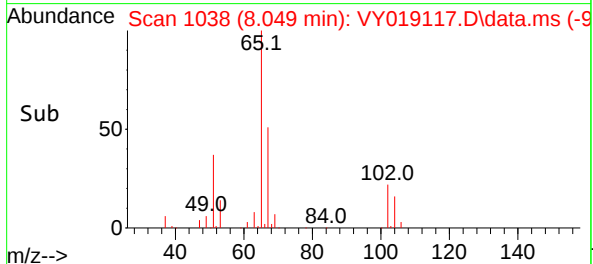
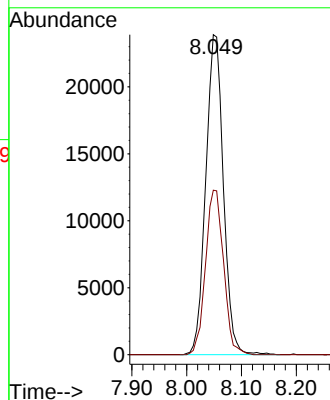
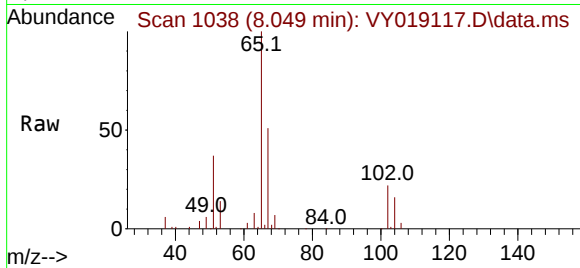
ClientSampleId :

Tgt Ion: 65 Resp: 53266

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019117.D

Acq: 19 Aug 2024 15:15

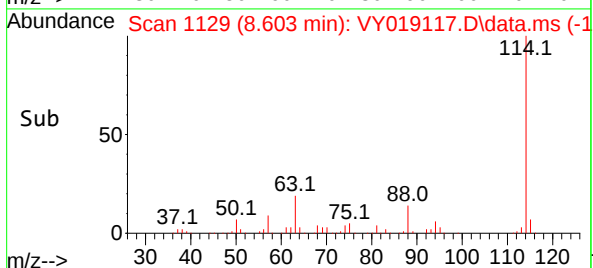
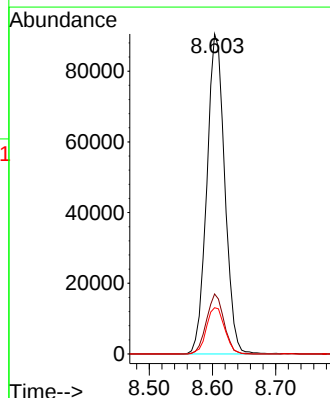
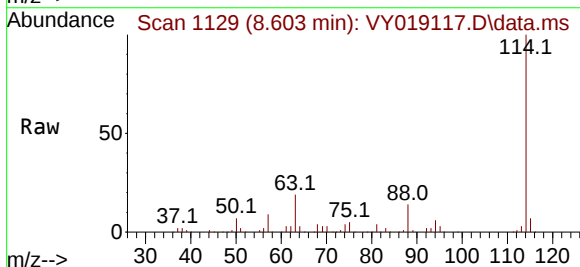
Tgt Ion: 114 Resp: 178114

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

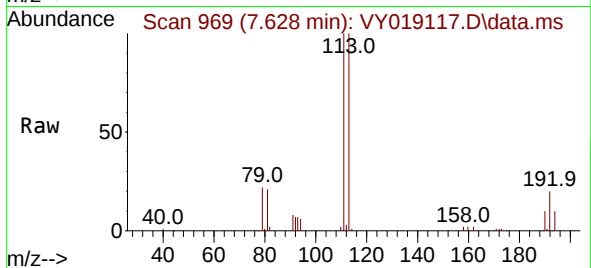
88 14.5 0.0 27.2



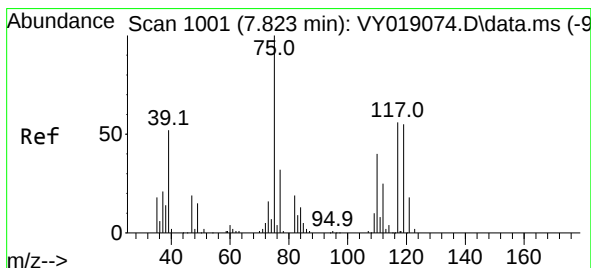
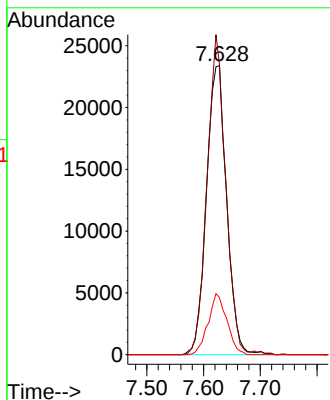
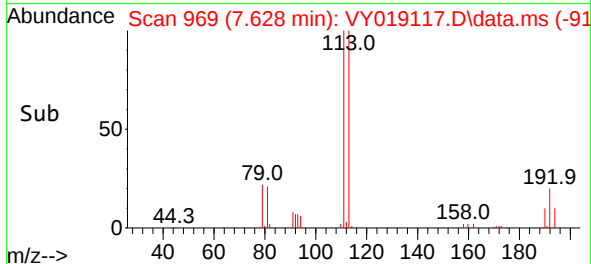


#35
Dibromofluoromethane
Concen: 49.779 ug/l
RT: 7.628 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

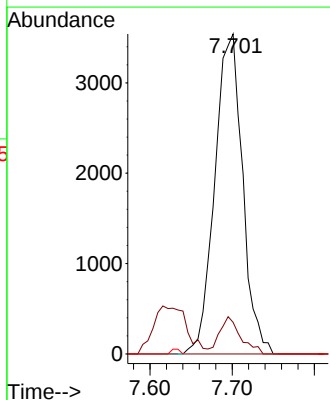
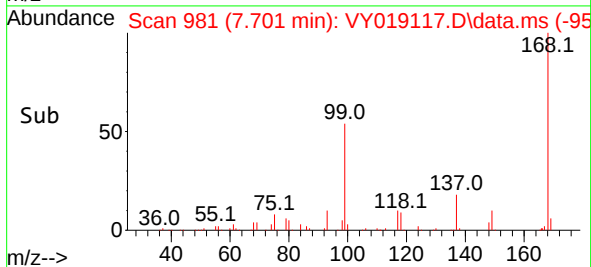
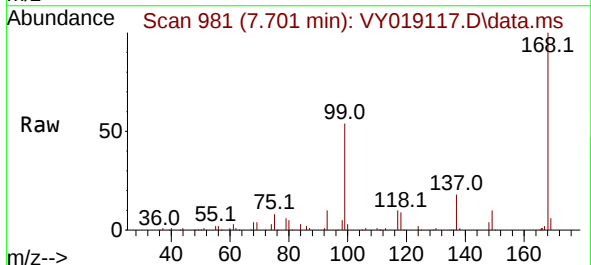


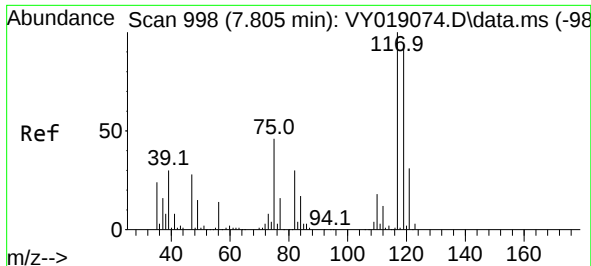
Tgt Ion:113 Resp: 57973
Ion Ratio Lower Upper
113 100
111 101.4 82.2 123.4
192 19.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.196 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

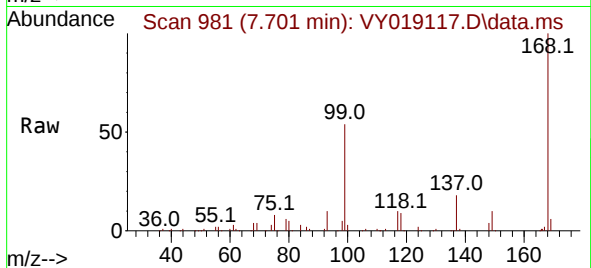
Tgt Ion: 75 Resp: 8309
Ion Ratio Lower Upper
75 100
110 8.8 19.0 57.0#
77 0.0 25.3 37.9#



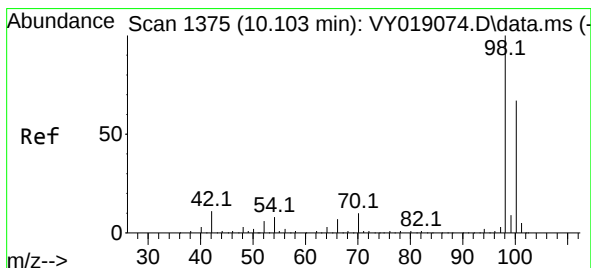
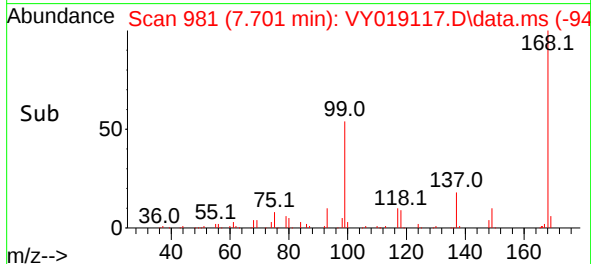
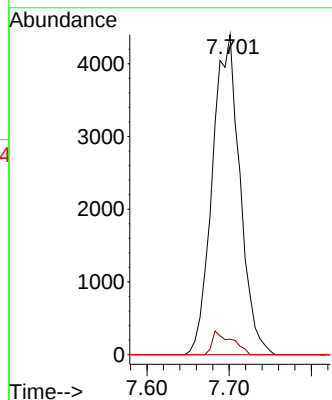


#38
Carbon Tetrachloride
Concen: 5.520 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

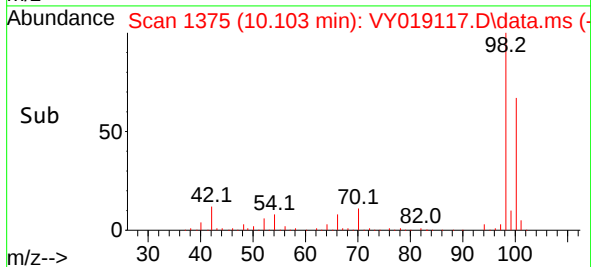
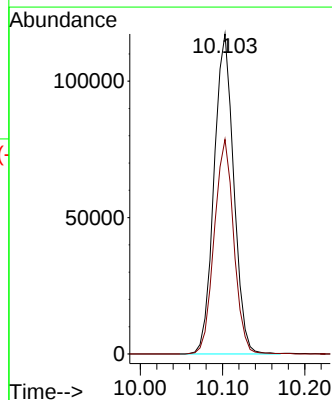
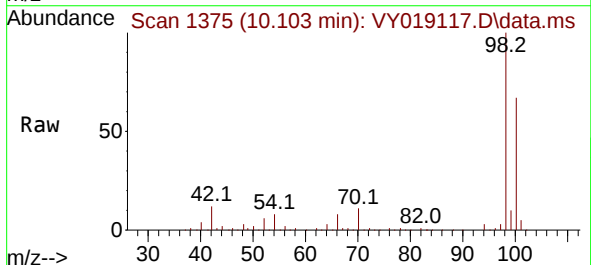


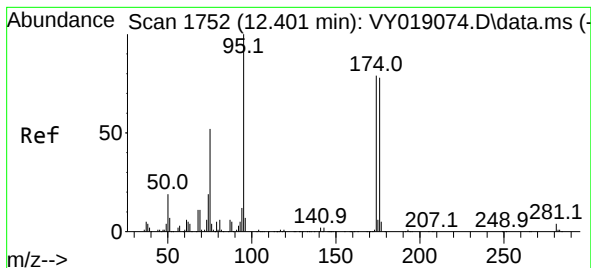
Tgt Ion:117 Resp: 10230
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.499 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

Tgt Ion: 98 Resp: 194879
Ion Ratio Lower Upper
98 100
100 66.6 52.0 78.0

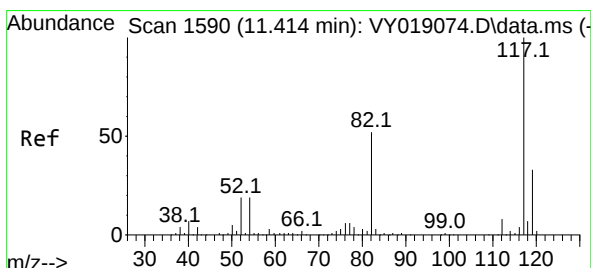
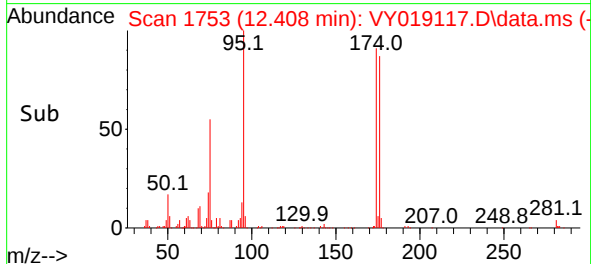
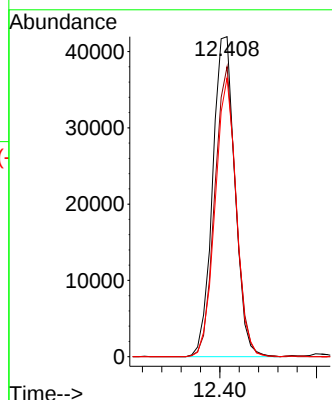
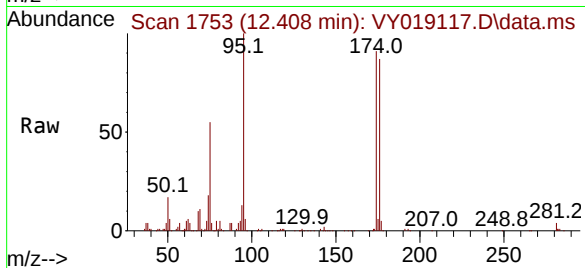




#62
4-Bromofluorobenzene
Concen: 47.031 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

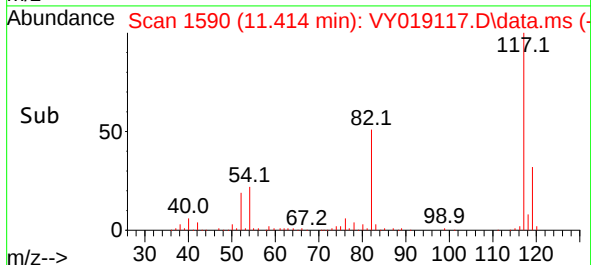
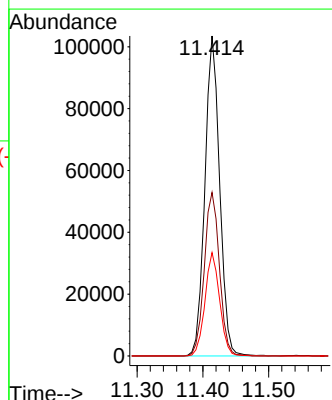
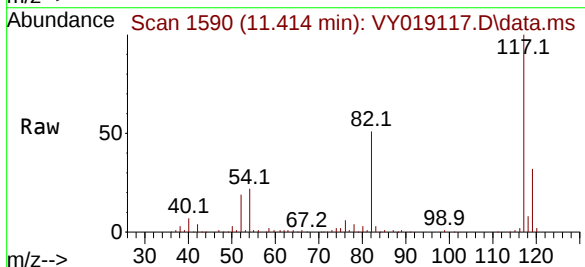
Instrument :
MSVOA_Y
ClientSampleId :

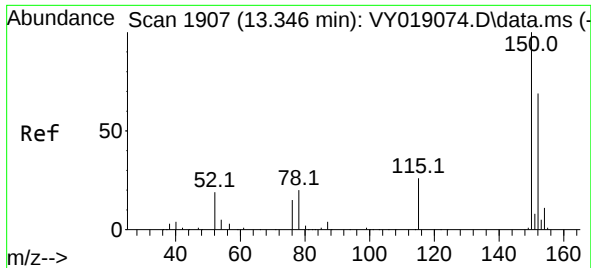
Tgt Ion: 95 Resp: 67194
Ion Ratio Lower Upper
95 100
174 86.0 0.0 175.6
176 82.7 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

Tgt Ion: 117 Resp: 161639
Ion Ratio Lower Upper
117 100
82 51.1 42.4 63.6
119 32.3 25.9 38.9

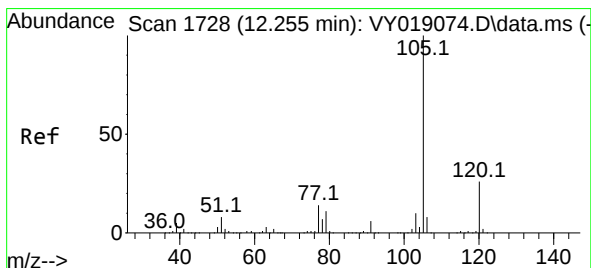
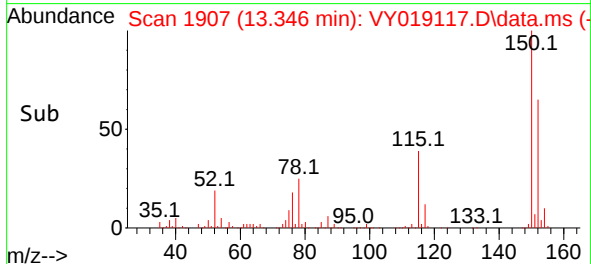
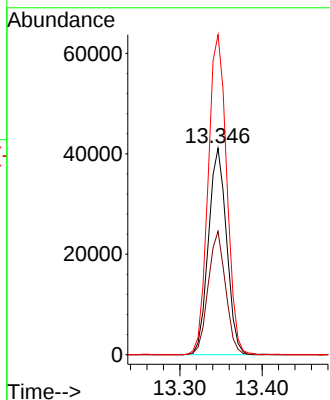
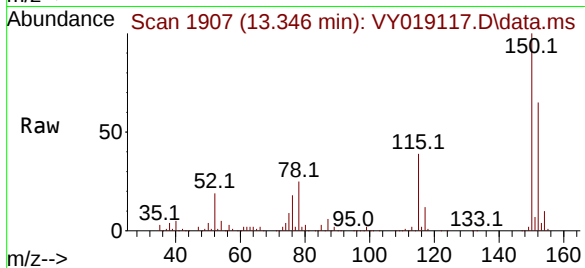




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

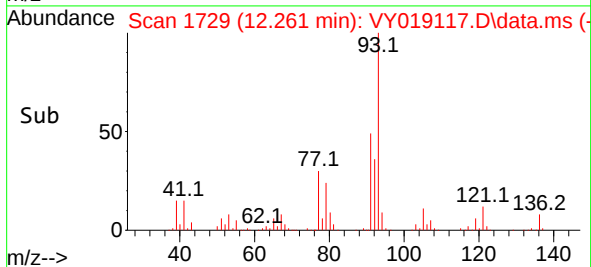
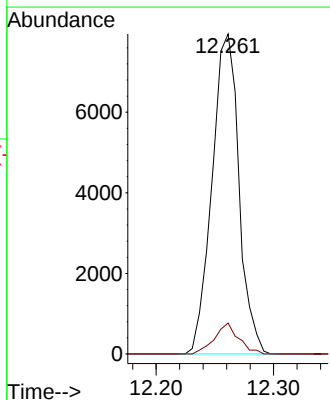
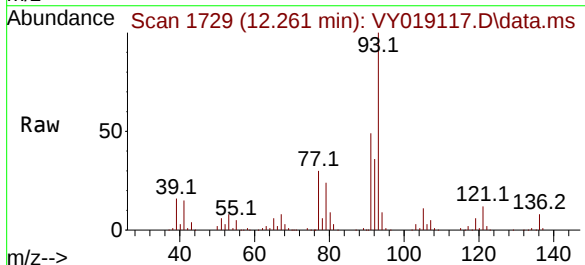
Instrument :
MSVOA_Y
ClientSampleId :

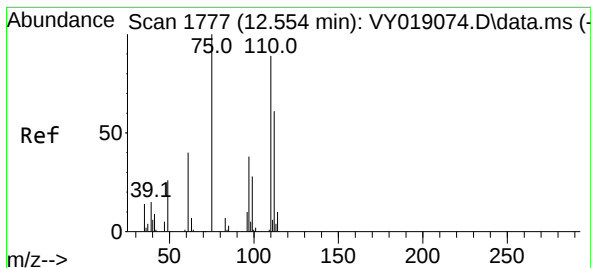
Tgt Ion:152 Resp: 63030
Ion Ratio Lower Upper
152 100
115 57.3 28.2 84.7
150 158.4 0.0 345.6



#73
Isopropylbenzene
Concen: 2.619 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

Tgt Ion:105 Resp: 12651
Ion Ratio Lower Upper
105 100
120 8.6 13.4 40.1#





#76

1,2,3-Trichloropropane

Concen: 59.192 ug/l

RT: 12.401 min Scan# 11

Delta R.T. -0.152 min

Lab File: VY019117.D

Acq: 19 Aug 2024 15:15

Instrument :

MSVOA_Y

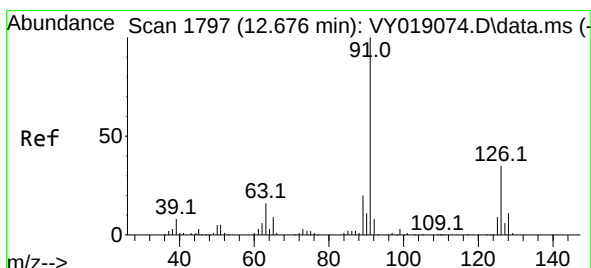
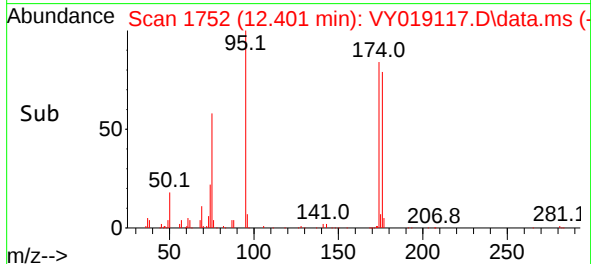
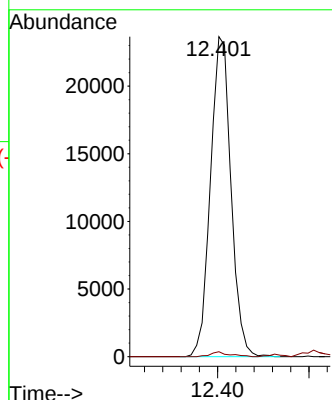
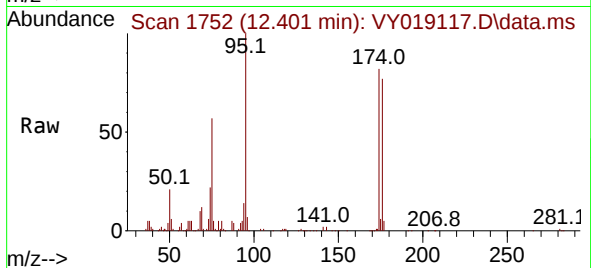
ClientSampleId :

Tgt Ion: 75 Resp: 36793

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#79

2-Chlorotoluene

Concen: 1.636 ug/l

RT: 12.810 min Scan# 1819

Delta R.T. 0.134 min

Lab File: VY019117.D

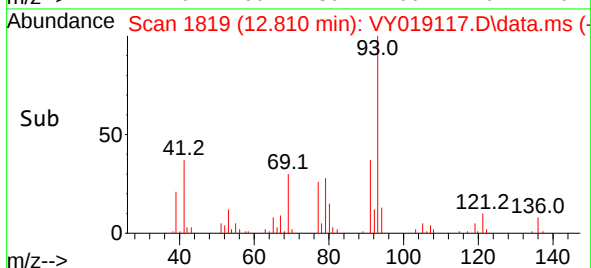
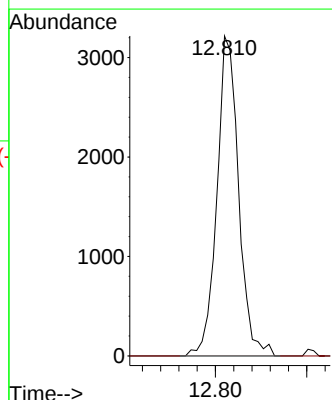
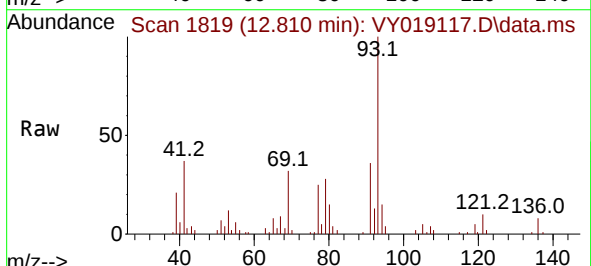
Acq: 19 Aug 2024 15:15

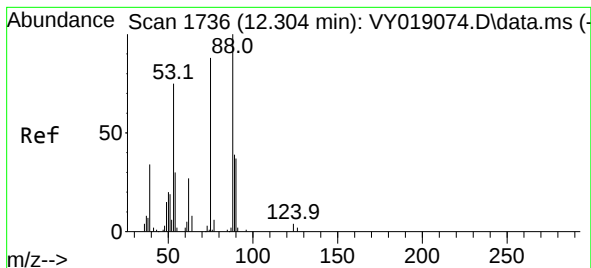
Tgt Ion: 91 Resp: 5297

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#

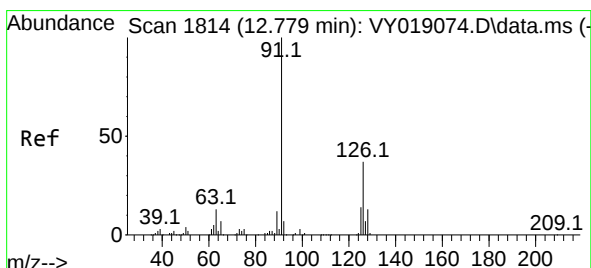
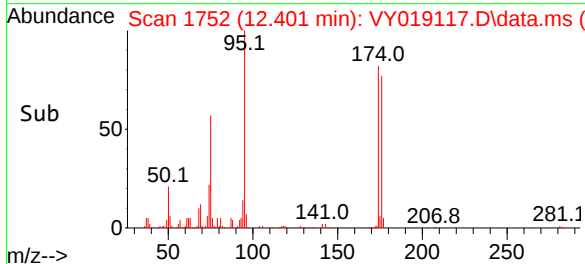
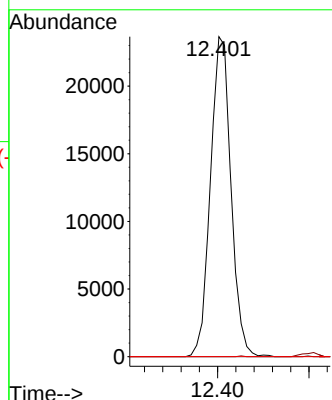
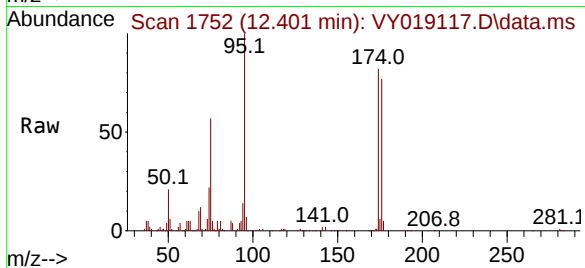




#81
trans-1,4-Dichloro-2-butene
Concen: 146.184 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 36793
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#82
4-Chlorotoluene
Concen: 1.573 ug/l
RT: 12.810 min Scan# 1819
Delta R.T. 0.031 min
Lab File: VY019117.D
Acq: 19 Aug 2024 15:15

Tgt Ion: 91 Resp: 5297
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.9#

