

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019171.D
 Acq On : 21 Aug 2024 15:53
 Operator : SY/MD
 Sample : P3641-03
 Misc : 9.17g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:15:00 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)

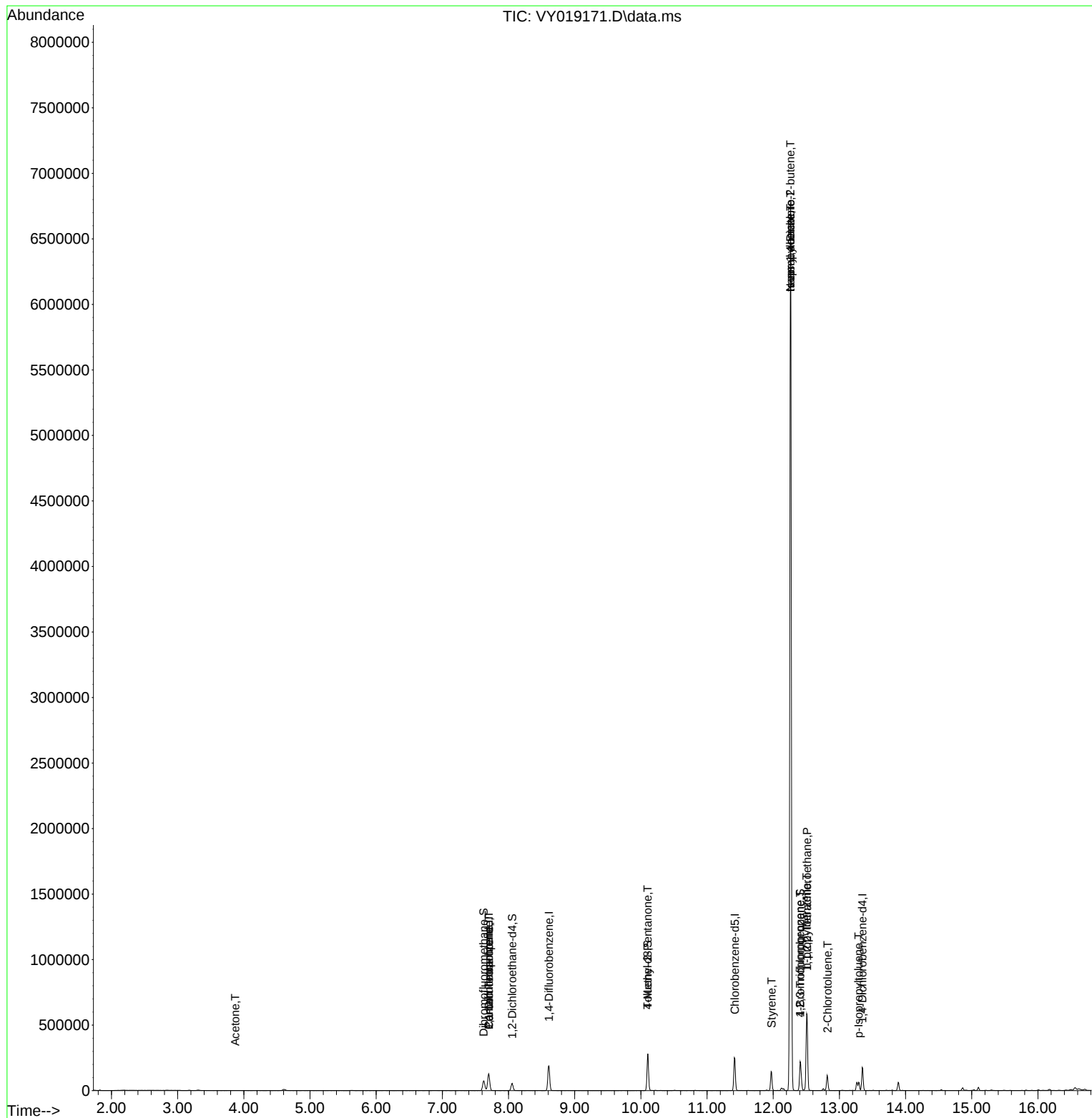
Internal Standards						
1) Pentafluorobenzene	7.701	168	98450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	167597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	136516	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	43479	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	41231	41.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.560%
35) Dibromofluoromethane	7.622	113	52461	47.872	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.740%
50) Toluene-d8	10.103	98	174820	44.330	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.660%
62) 4-Bromofluorobenzene	12.408	95	53415	39.733	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	79.460%
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	387	Below Cal	#	74
6) Chloroethane	2.891	64	19	Below Cal	#	42
11) Tert butyl alcohol	4.836	59	48	Below Cal	#	88
16) Acetone	3.873	43	887	4.846	ug/l #	77
20) Methylene Chloride	4.604	84	6759	Below Cal	#	84
31) Cyclohexane	7.695	56	2182	Below Cal	#	60
36) 1,1-Dichloropropene	7.701	75	7668	5.096	ug/l #	44
38) Carbon Tetrachloride	7.701	117	10059	5.768	ug/l #	19
51) 4-Methyl-2-Pentanone	10.103	43	804	1.123	ug/l #	1
70) Styrene	11.975	104	70768	20.700	ug/l	90
73) Isopropylbenzene	12.261	105	262943	78.904	ug/l #	61
74) N-amyl acetate	12.261	43	112239	154.457	ug/l #	12
75) 1,1,2,2-Tetrachloroethane	12.511	83	663	1.118	ug/l #	26
76) 1,2,3-Trichloropropane	12.408	75	30035	70.047	ug/l #	100
78) n-propylbenzene	12.505	91	63254	15.878	ug/l #	57
79) 2-Chlorotoluene	12.822	91	14095	6.311	ug/l #	39
81) trans-1,4-Dichloro-2-b...	12.261	75	8701	50.115	ug/l #	1
86) p-Isopropyltoluene	13.292	119	33165	11.052	ug/l #	80

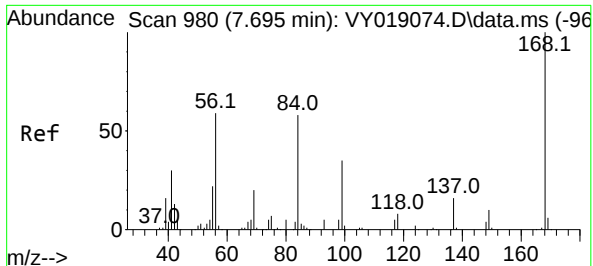
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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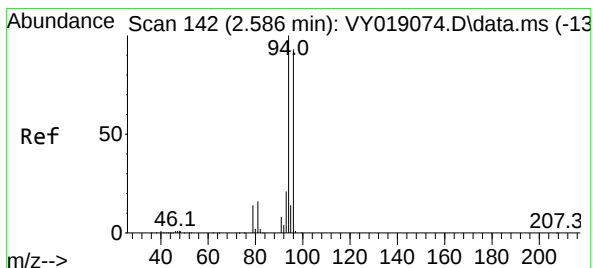
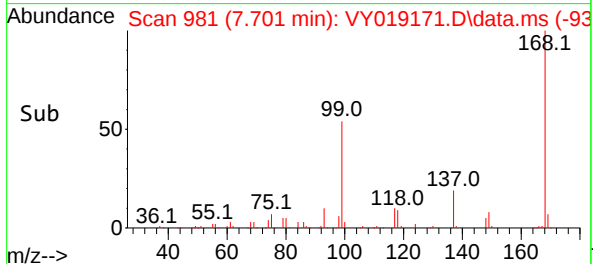
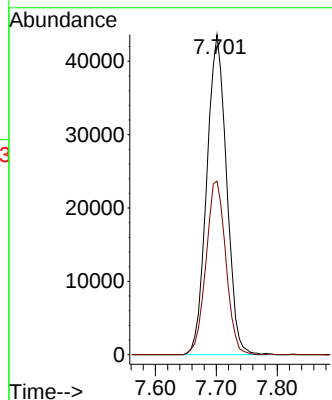
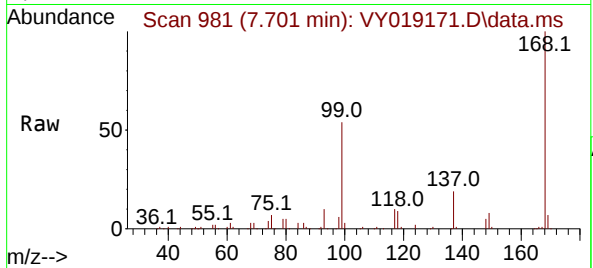




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

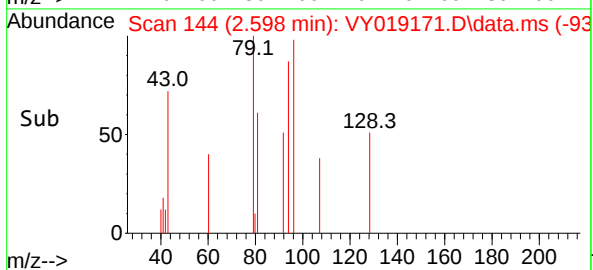
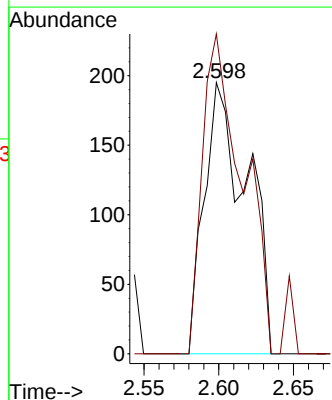
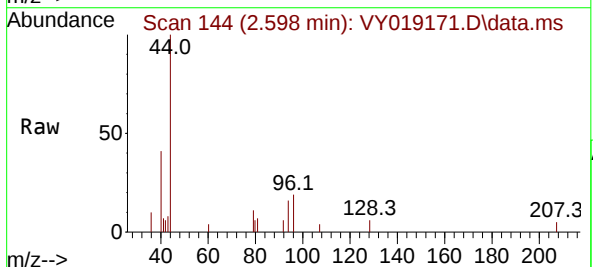
Instrument :
MSVOA_Y
ClientSampleId :

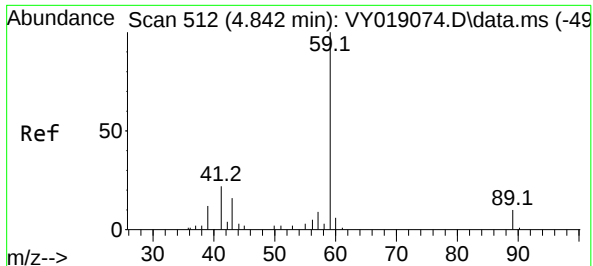
Tgt Ion:168 Resp: 98450
Ion Ratio Lower Upper
168 100
99 54.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

Tgt Ion: 94 Resp: 387
Ion Ratio Lower Upper
94 100
96 117.9 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.836 min Scan# 511

Delta R.T. -0.006 min

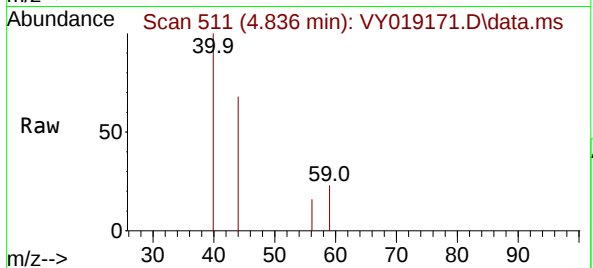
Lab File: VY019171.D

Acq: 21 Aug 2024 15:53

Instrument :

MSVOA_Y

ClientSampleId :

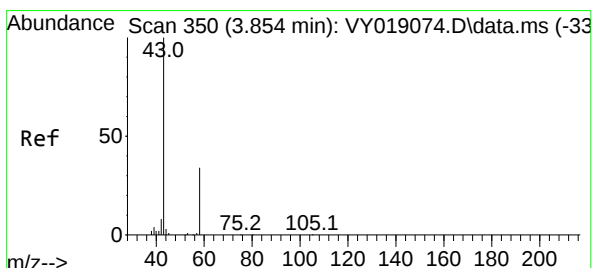
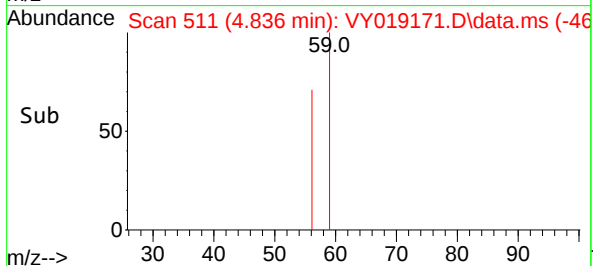
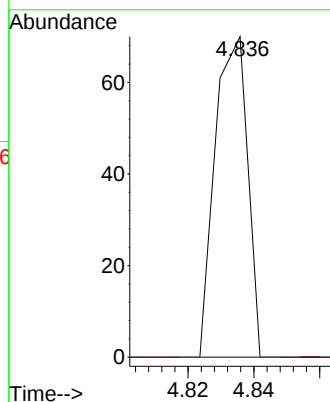


Tgt Ion: 59 Resp: 48

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 4.846 ug/l

RT: 3.873 min Scan# 353

Delta R.T. 0.019 min

Lab File: VY019171.D

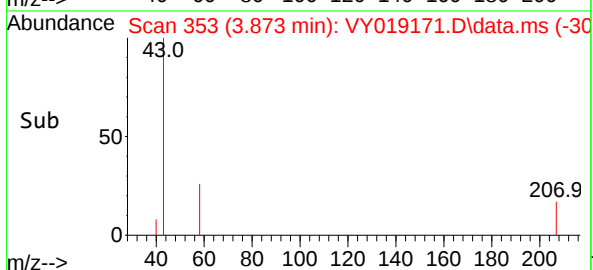
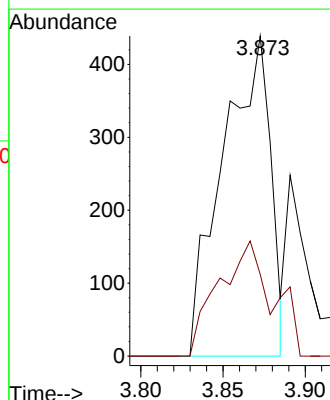
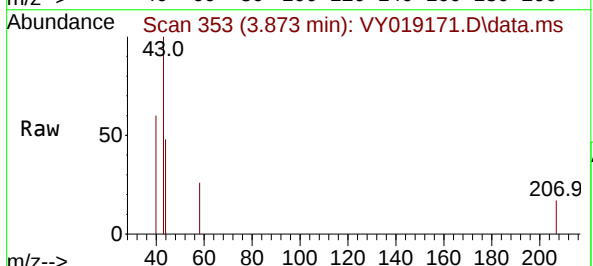
Acq: 21 Aug 2024 15:53

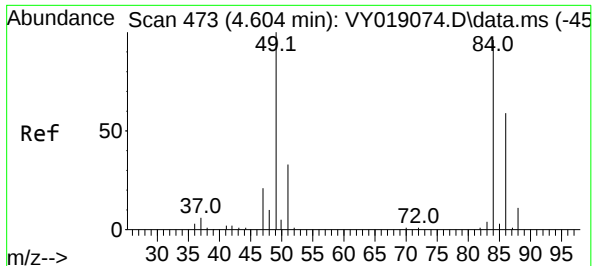
Tgt Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

58 25.5 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY019171.D

Acq: 21 Aug 2024 15:53

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 6759

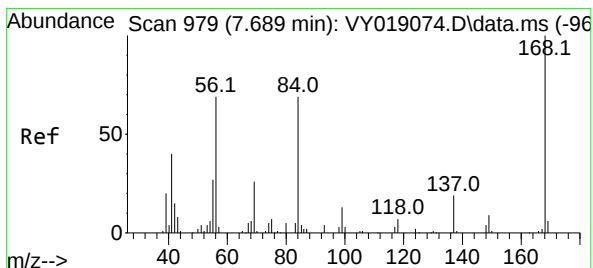
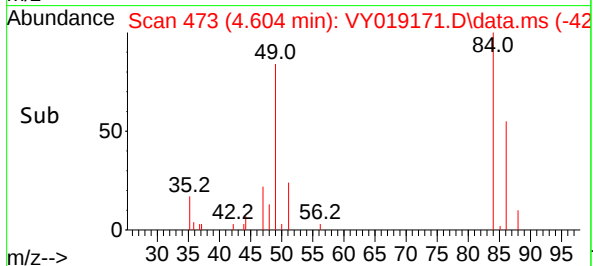
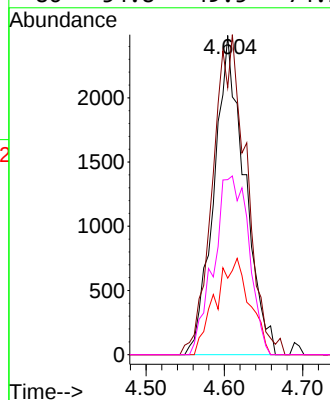
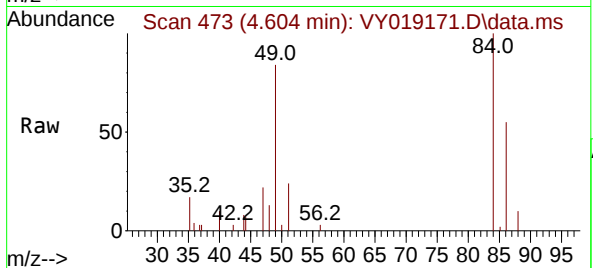
Ion Ratio Lower Upper

84 100

49 83.7 84.4 126.6#

51 23.9 26.0 39.0#

86 54.8 49.5 74.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019171.D

Acq: 21 Aug 2024 15:53

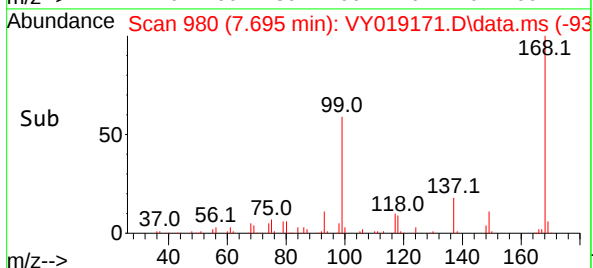
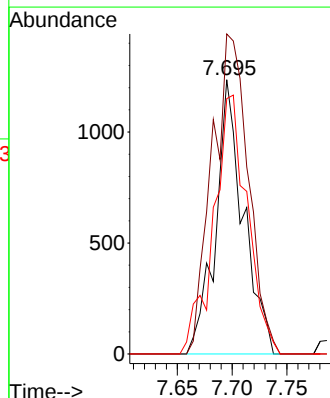
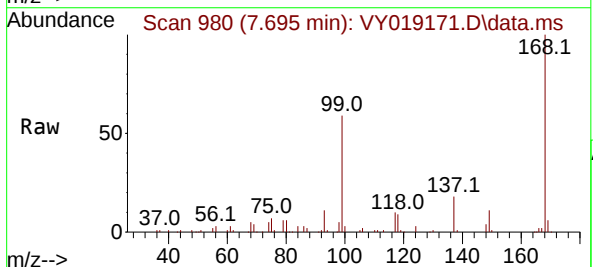
Tgt Ion: 56 Resp: 2182

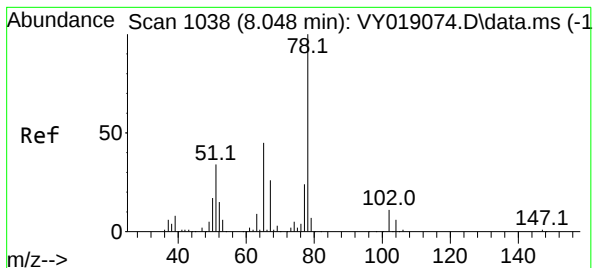
Ion Ratio Lower Upper

56 100

69 116.7 28.7 43.1#

84 93.1 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 41.779 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY019171.D

Acq: 21 Aug 2024 15:53

Instrument :

MSVOA_Y

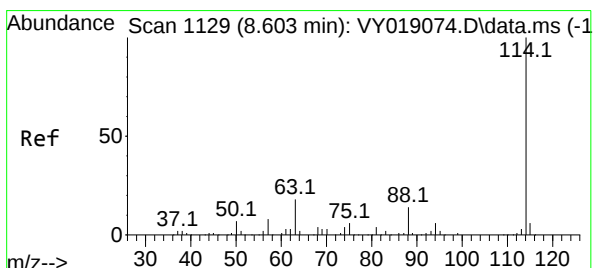
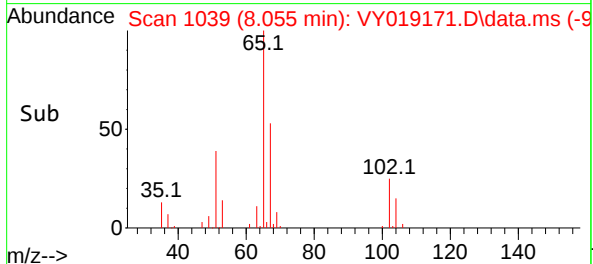
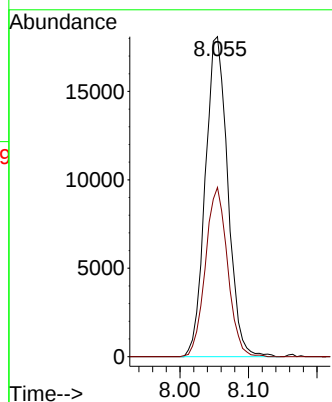
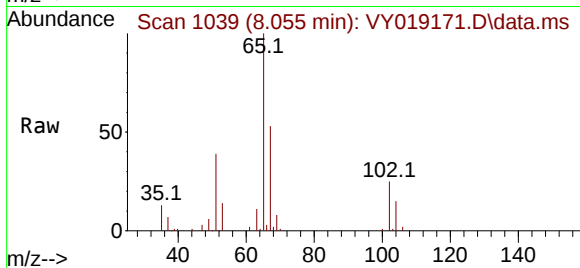
ClientSampleId :

Tgt Ion: 65 Resp: 41231

Ion Ratio Lower Upper

65 100

67 52.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019171.D

Acq: 21 Aug 2024 15:53

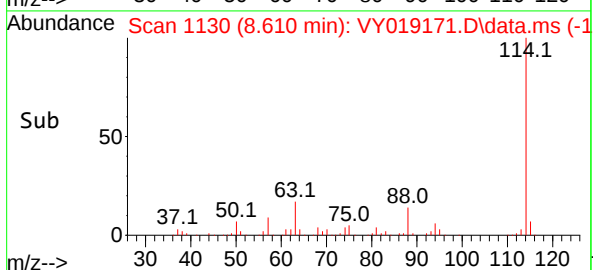
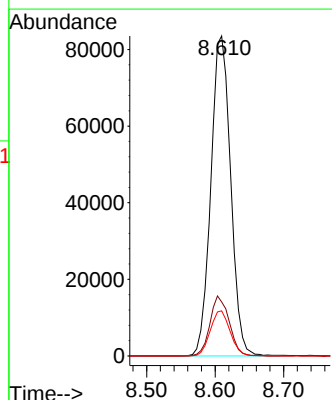
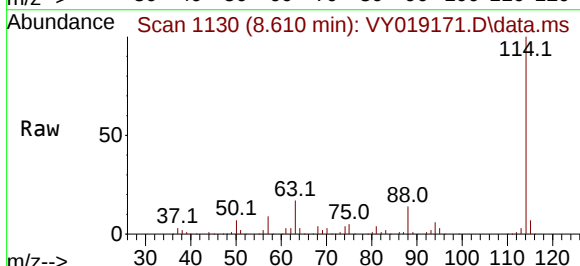
Tgt Ion: 114 Resp: 167597

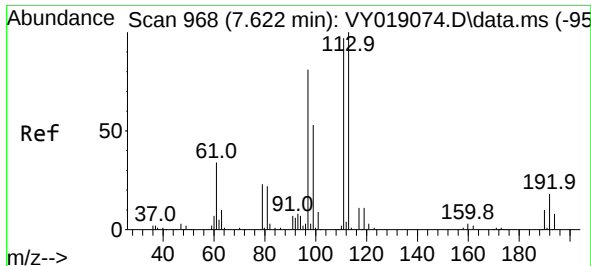
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.0

88 14.1 0.0 27.2

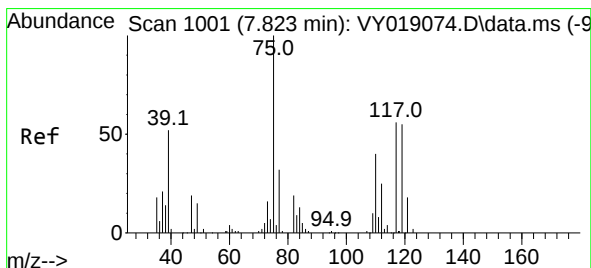
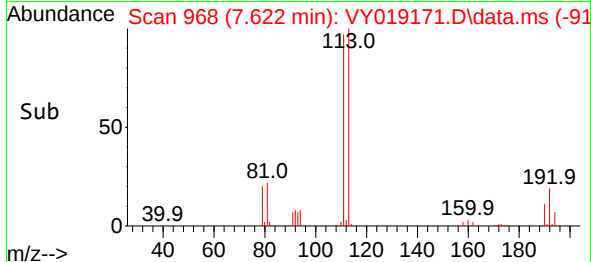
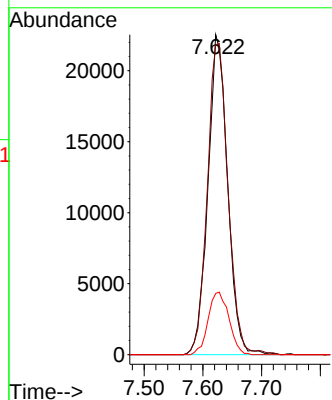
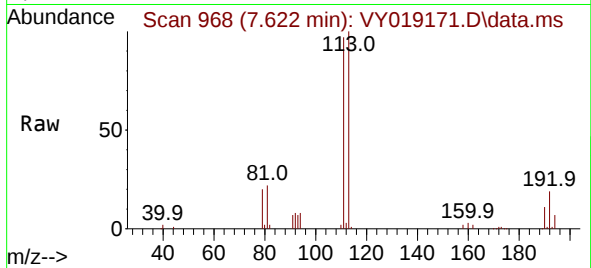




#35
Dibromofluoromethane
Concen: 47.872 ug/l
RT: 7.622 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

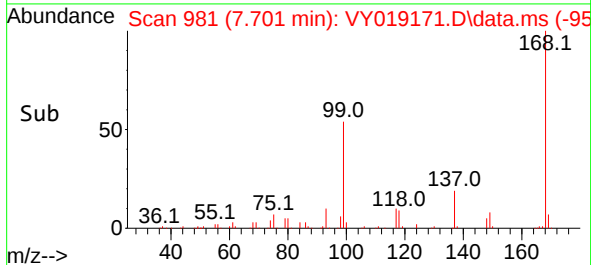
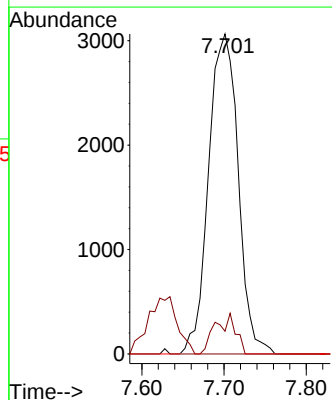
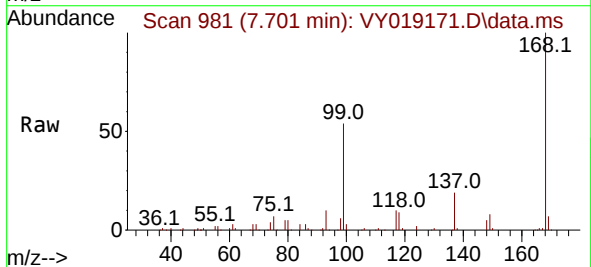
Instrument :
MSVOA_Y
ClientSampleId :

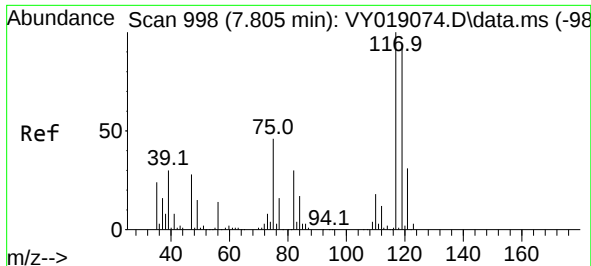
Tgt Ion:113 Resp: 52461
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 20.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.096 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

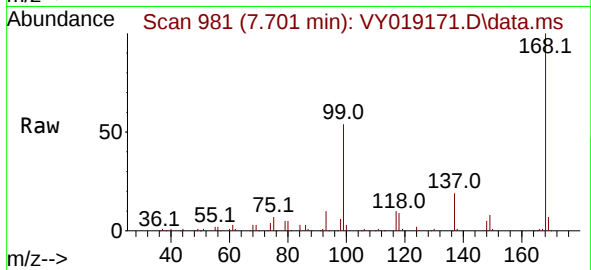
Tgt Ion: 75 Resp: 7668
Ion Ratio Lower Upper
75 100
110 5.1 19.0 57.0#
77 0.0 25.3 37.9#



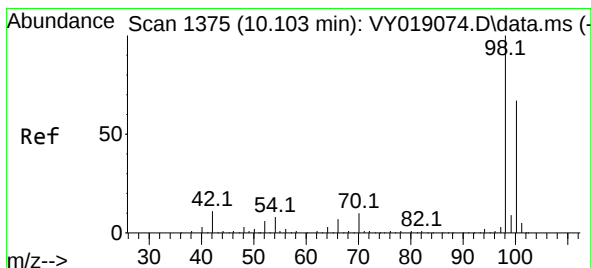
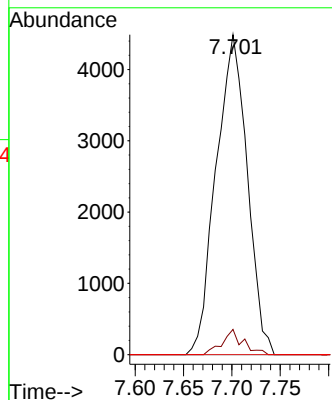
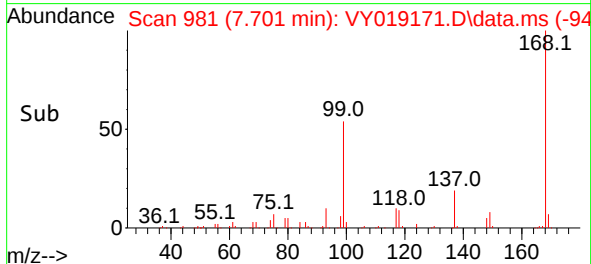


#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

Instrument :
MSVOA_Y
ClientSampleId :

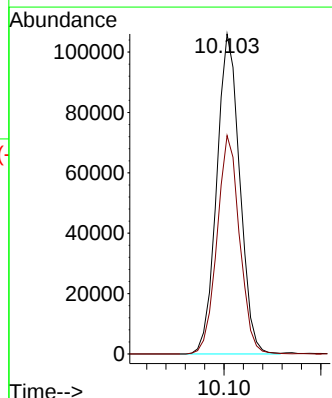
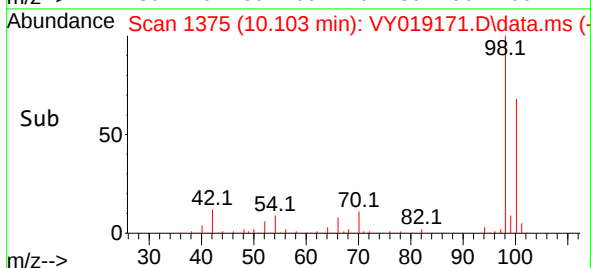
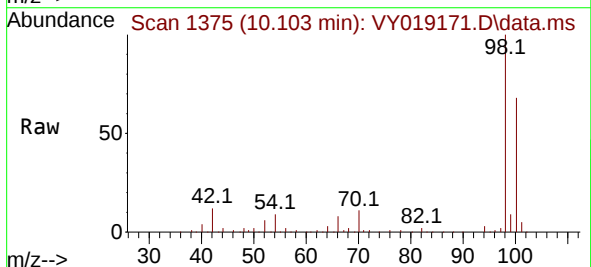


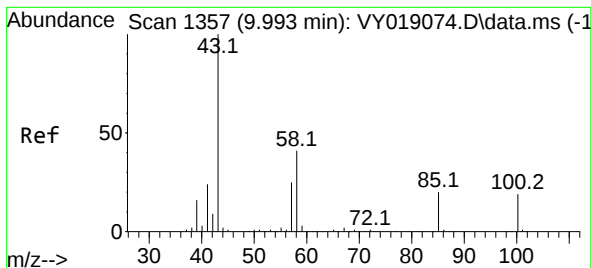
Tgt Ion:117 Resp: 10059
Ion Ratio Lower Upper
117 100
119 7.9 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 44.330 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

Tgt Ion: 98 Resp: 174820
Ion Ratio Lower Upper
98 100
100 66.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.123 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY019171.D

Acq: 21 Aug 2024 15:53

Instrument :

MSVOA_Y

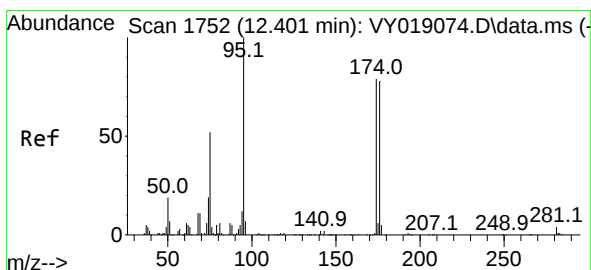
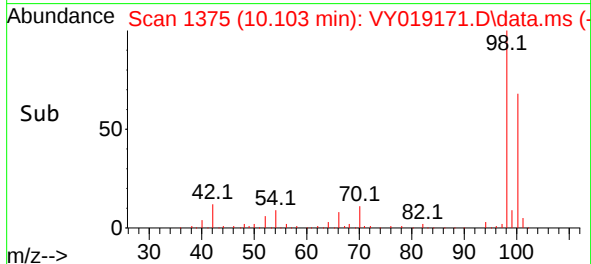
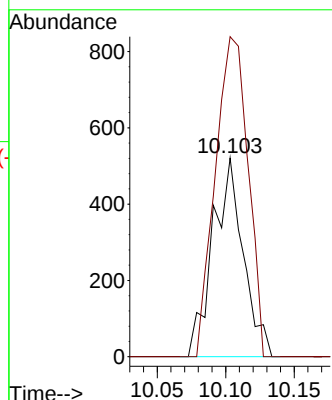
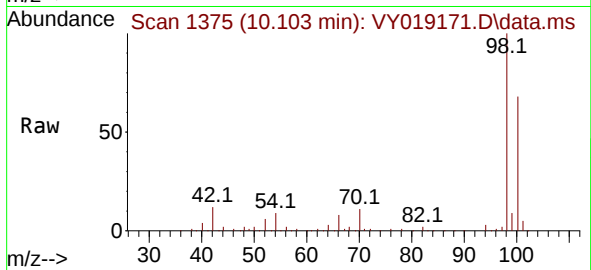
ClientSampleId :

Tgt Ion: 43 Resp: 804

Ion Ratio Lower Upper

43 100

58 173.8 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 39.733 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019171.D

Acq: 21 Aug 2024 15:53

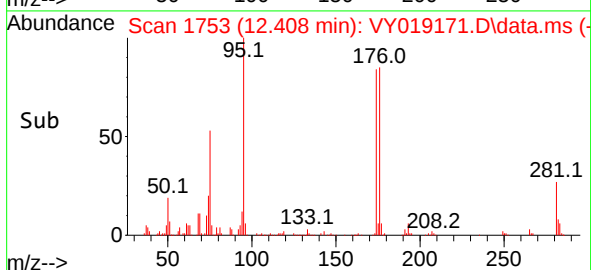
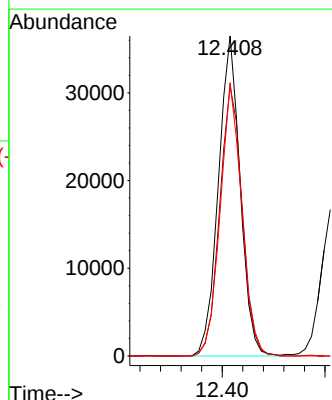
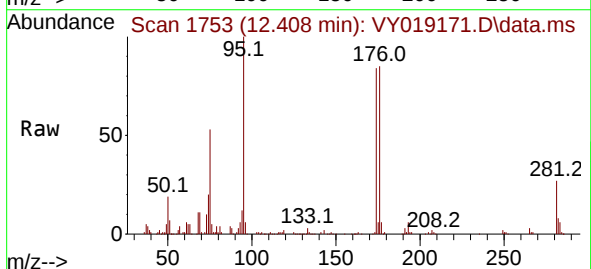
Tgt Ion: 95 Resp: 53415

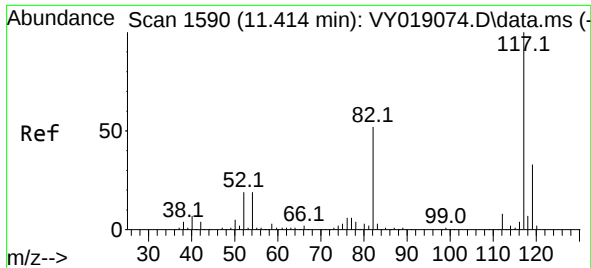
Ion Ratio Lower Upper

95 100

174 87.0 0.0 175.6

176 85.3 0.0 171.4

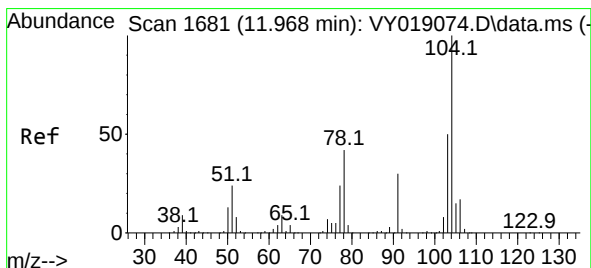
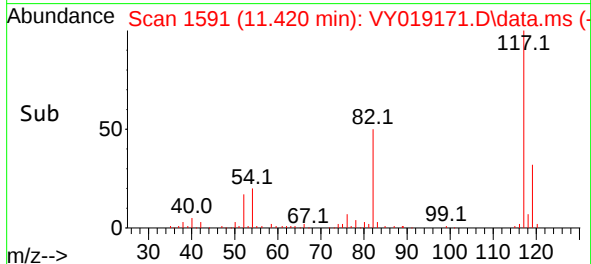
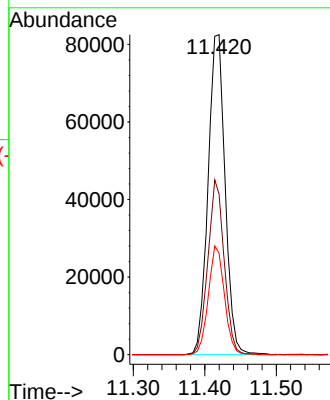
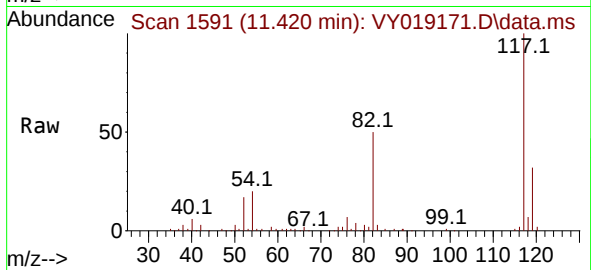




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

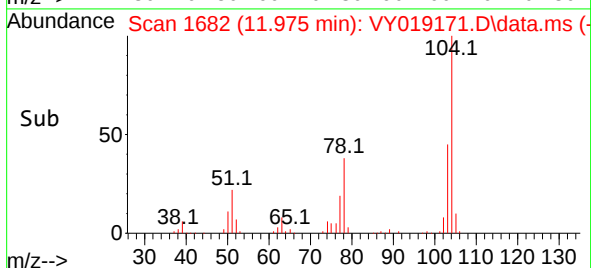
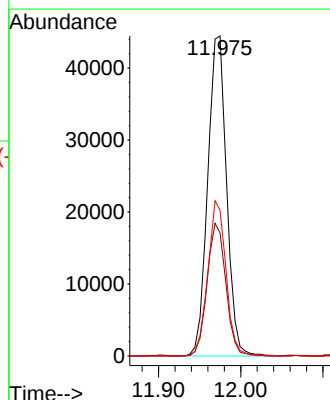
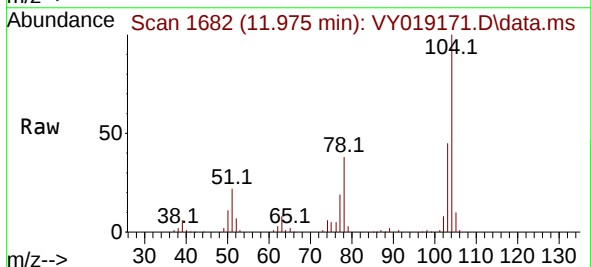
Instrument :
MSVOA_Y
ClientSampleId :

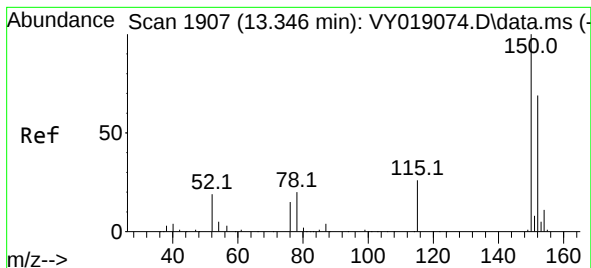
Tgt Ion:117 Resp: 136516
Ion Ratio Lower Upper
117 100
82 50.2 42.4 63.6
119 31.7 25.9 38.9



#70
Styrene
Concen: 20.700 ug/l
RT: 11.975 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

Tgt Ion:104 Resp: 70768
Ion Ratio Lower Upper
104 100
78 41.2 37.0 55.4
103 46.9 44.2 66.2

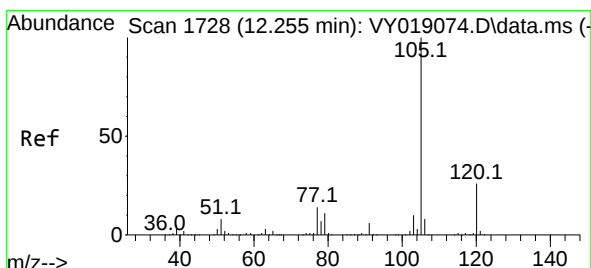
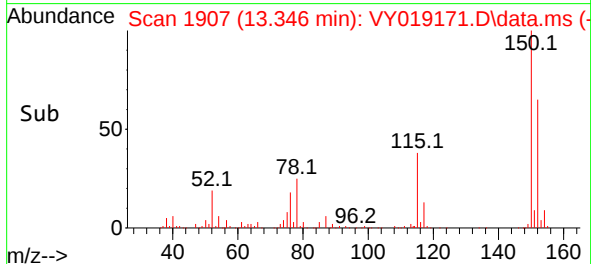
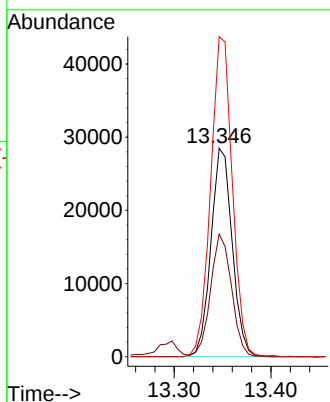
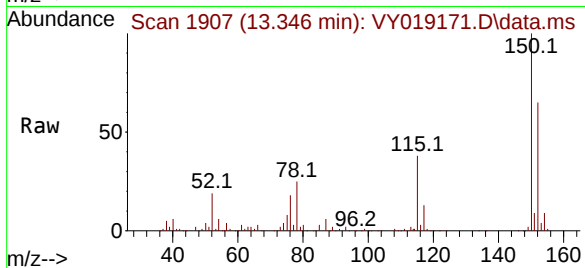




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

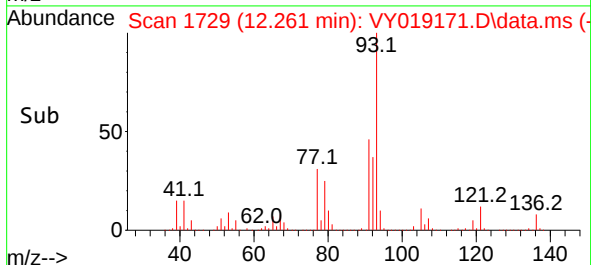
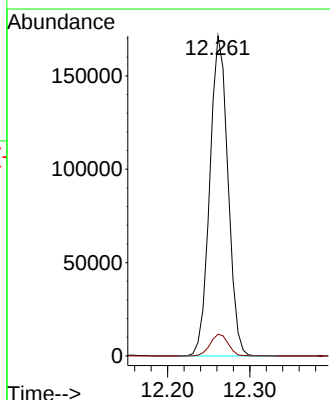
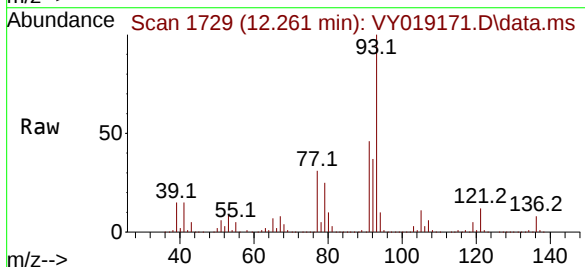
Instrument :
MSVOA_Y
ClientSampleId :

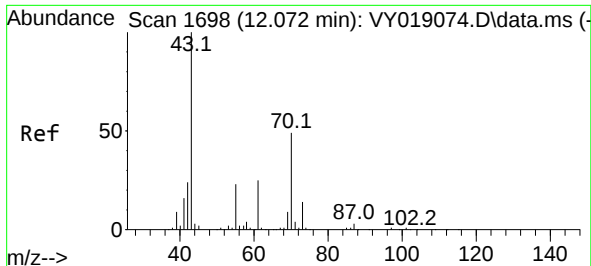
Tgt Ion:152 Resp: 43479
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 156.6 0.0 345.6



#73
Isopropylbenzene
Concen: 78.904 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

Tgt Ion:105 Resp: 262943
Ion Ratio Lower Upper
105 100
120 6.8 13.4 40.1#

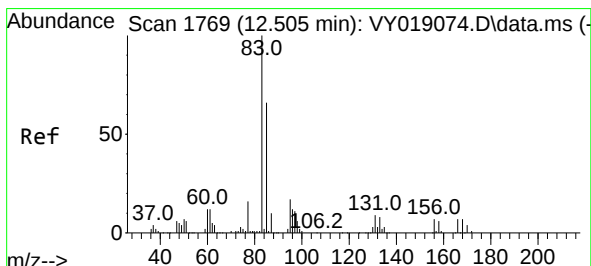
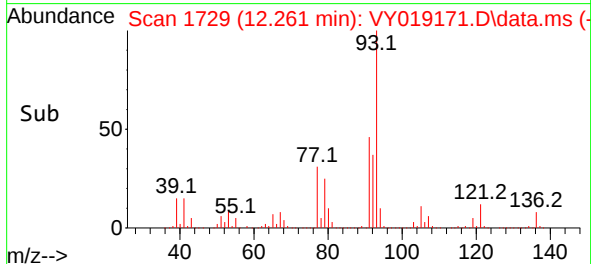
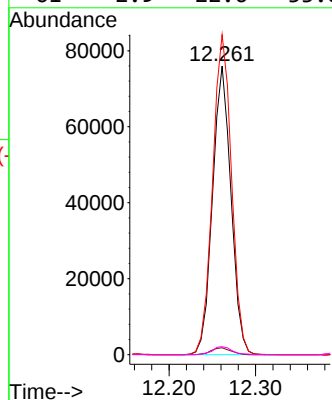
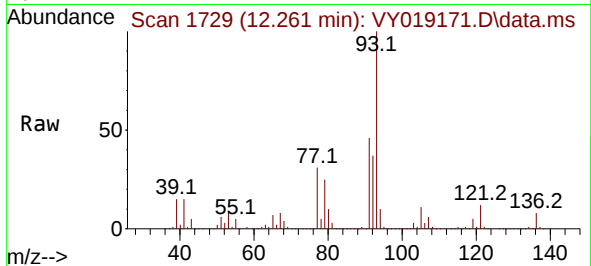




#74
N-amy1 acetate
Concen: 154.457 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.189 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

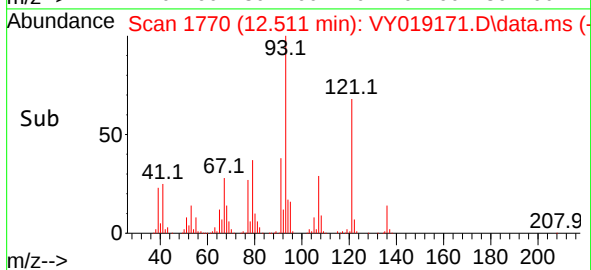
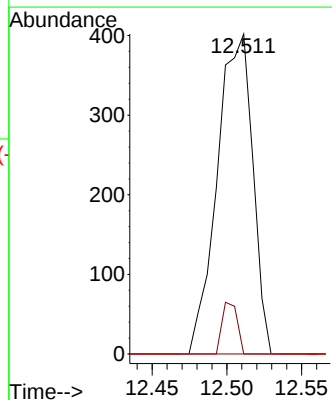
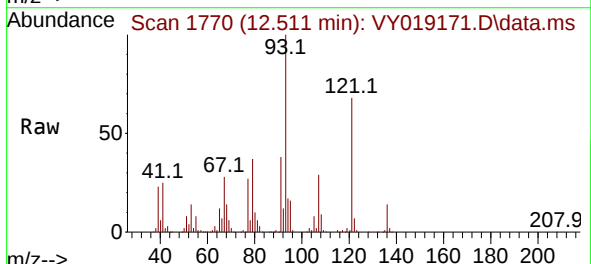
Instrument :
MSVOA_Y
ClientSampleId :

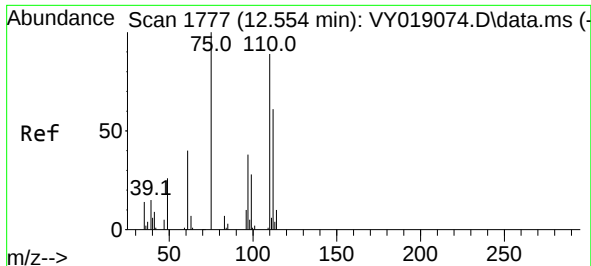
Tgt Ion:	43	Resp:	112239
Ion	Ratio	Lower	Upper
43	100		
70	2.6	41.4	62.2#
55	113.7	23.3	34.9#
61	2.9	22.6	33.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.118 ug/l
RT: 12.511 min Scan# 1770
Delta R.T. 0.006 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

Tgt Ion:	83	Resp:	663
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	0.0	32.0	96.0#

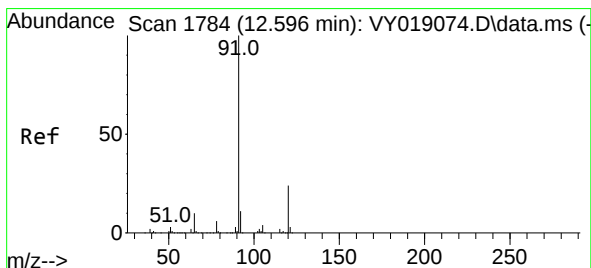
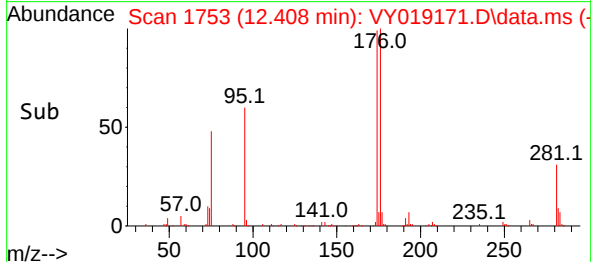
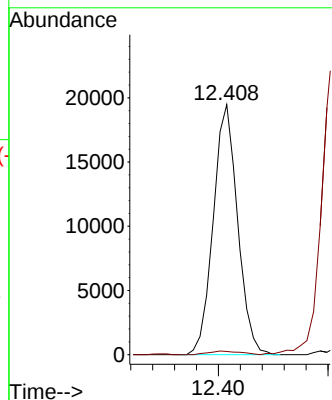
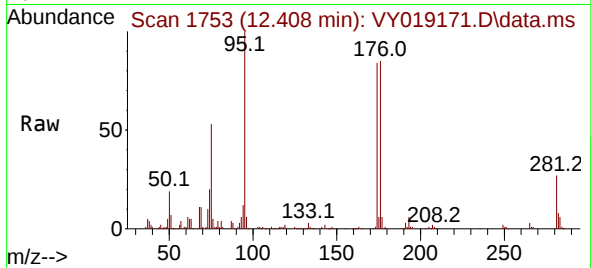




#76
1,2,3-Trichloropropane
Concen: 70.047 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

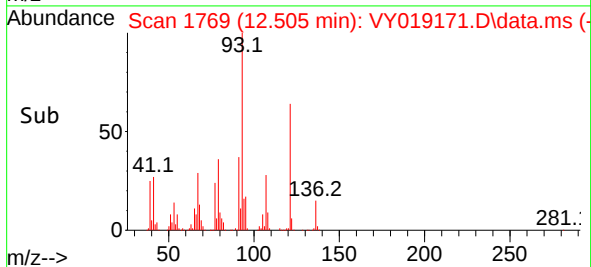
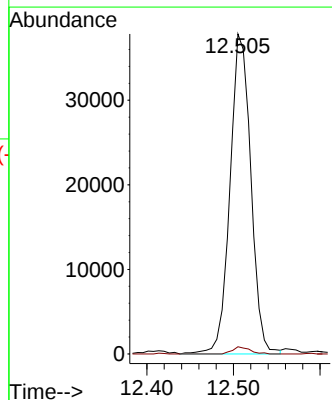
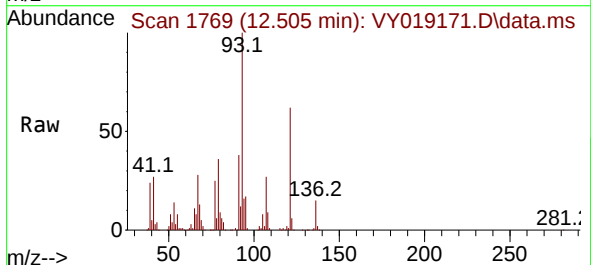
Instrument :
MSVOA_Y
ClientSampleId :

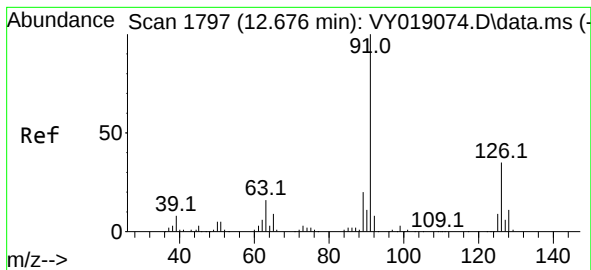
Tgt Ion: 75 Resp: 30035
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 15.878 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.091 min
Lab File: VY019171.D
Acq: 21 Aug 2024 15:53

Tgt Ion: 91 Resp: 63254
Ion Ratio Lower Upper
91 100
120 1.9 11.5 34.4#





#79

2-Chlorotoluene

Concen: 6.311 ug/l

RT: 12.822 min Scan# 1797

Delta R.T. 0.147 min

Lab File: VY019171.D

Acq: 21 Aug 2024 15:53

Instrument :

MSVOA_Y

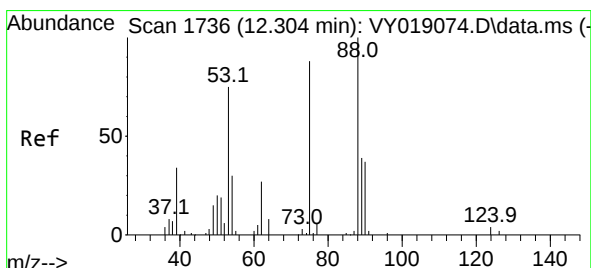
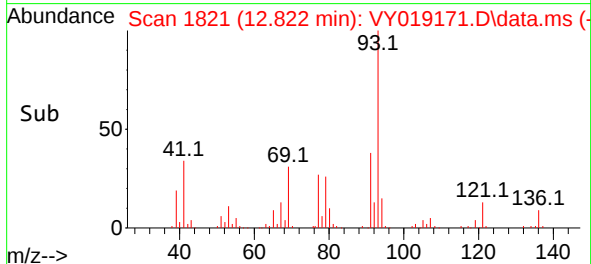
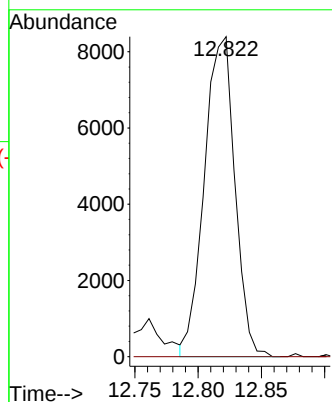
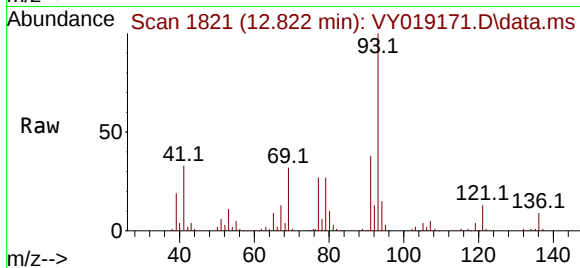
ClientSampleId :

Tgt Ion: 91 Resp: 14095

Ion Ratio Lower Upper

91 100

126 0.0 17.8 53.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 50.115 ug/l

RT: 12.261 min Scan# 1729

Delta R.T. -0.042 min

Lab File: VY019171.D

Acq: 21 Aug 2024 15:53

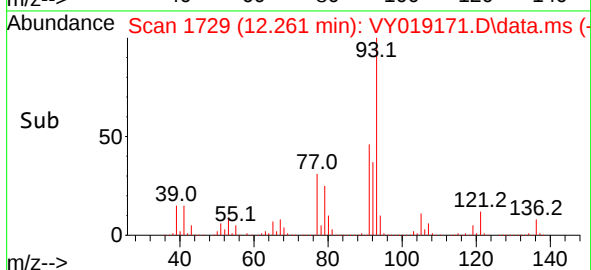
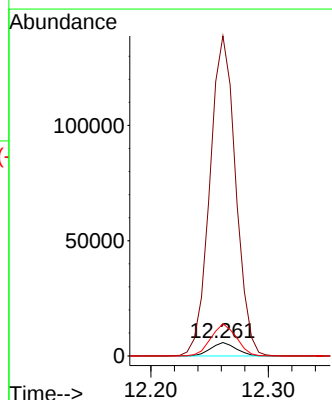
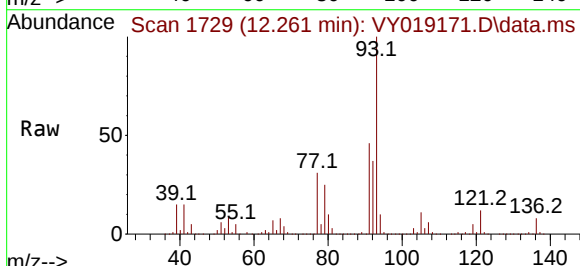
Tgt Ion: 75 Resp: 8701

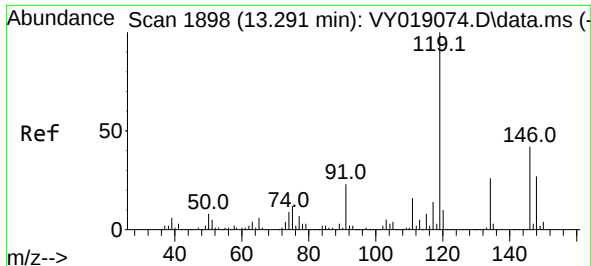
Ion Ratio Lower Upper

75 100

53 2439.2 66.8 100.2#

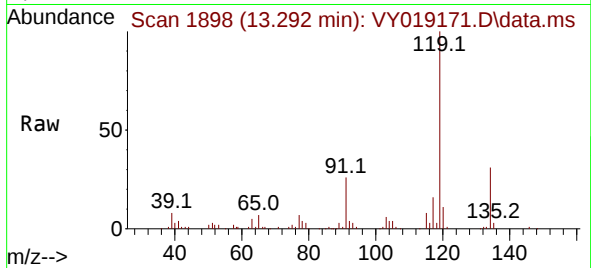
89 242.0 35.8 53.6#





#86
 p-Isopropyltoluene
 Concen: 11.052 ug/l
 RT: 13.292 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY019171.D
 Acq: 21 Aug 2024 15:53

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
119	100		
134	30.8	13.1	39.3
91	37.4	10.7	32.1

