

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019307.D
 Acq On : 28 Aug 2024 02:09
 Operator : SY/MD
 Sample : P3717-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

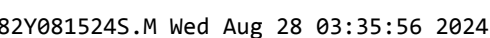
Quant Time: Aug 28 03:35:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	93881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	166835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	153260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	58608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	51802	55.045	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.100%
35) Dibromofluoromethane	7.628	113	53739	49.263	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.520%
50) Toluene-d8	10.103	98	188589	48.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.080%
62) 4-Bromofluorobenzene	12.408	95	58458	43.682	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	87.360%
Target Compounds						
					Qvalue	
5) Bromomethane	2.605	94	254	Below Cal		94
6) Chloroethane	2.720	64	23	Below Cal	#	42
11) Tert butyl alcohol	4.842	59	38	Below Cal	#	88
13) Acrolein	3.470	56	21	Below Cal	#	15
20) Methylene Chloride	4.598	84	10143	Below Cal		95
31) Cyclohexane	7.701	56	1848	Below Cal	#	19
36) 1,1-Dichloropropene	7.701	75	6692	4.467	ug/l #	49
38) Carbon Tetrachloride	7.695	117	9662	5.566	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	925	1.298	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	31937	55.256	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	31937	136.464	ug/l #	16

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

Quant Time: Aug 28 03:35:47 2024
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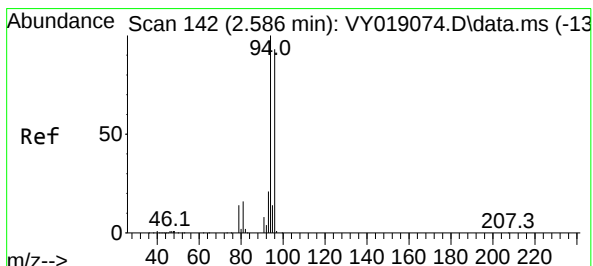
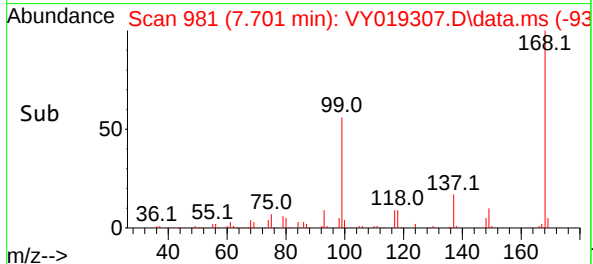
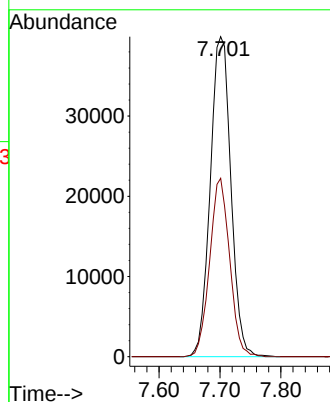
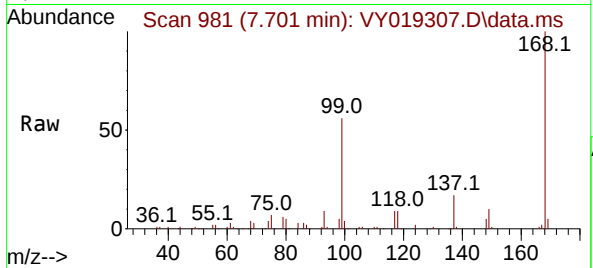




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09

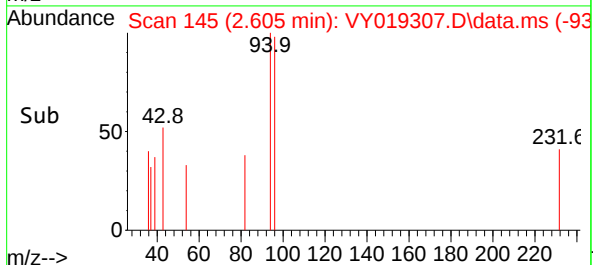
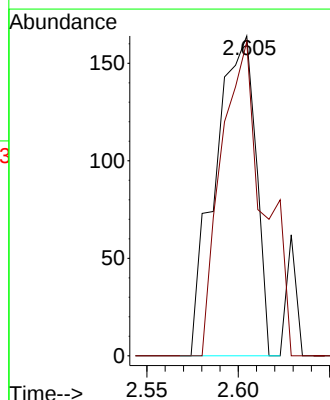
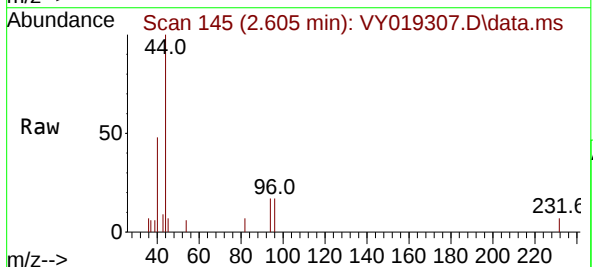
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 93881
Ion Ratio Lower Upper
168 100
99 55.8 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.605 min Scan# 145
Delta R.T. 0.019 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09

Tgt Ion: 94 Resp: 254
Ion Ratio Lower Upper
94 100
96 98.2 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.842 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY019307.D

Acq: 28 Aug 2024 02:09

Instrument :

MSVOA_Y

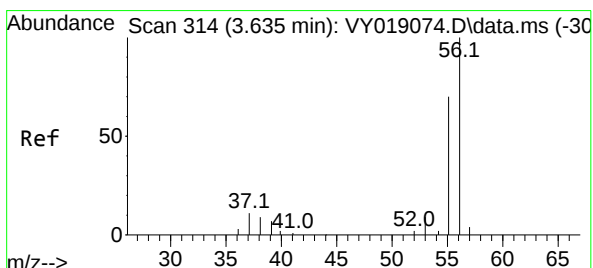
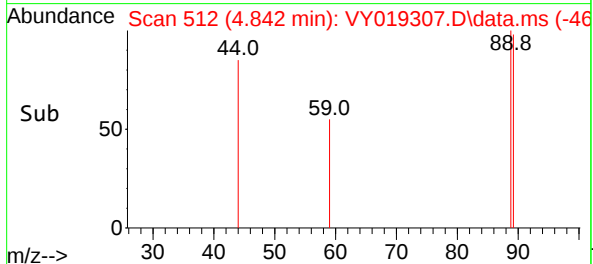
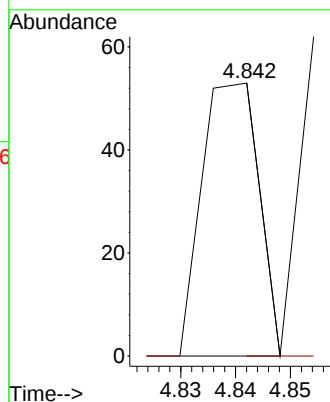
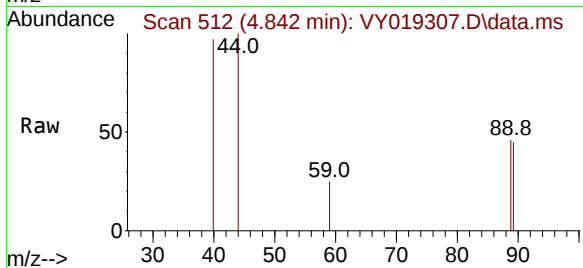
ClientSampleId :

Tgt Ion: 59 Resp: 38

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.470 min Scan# 287

Delta R.T. -0.165 min

Lab File: VY019307.D

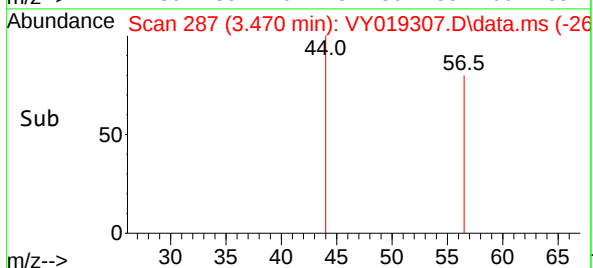
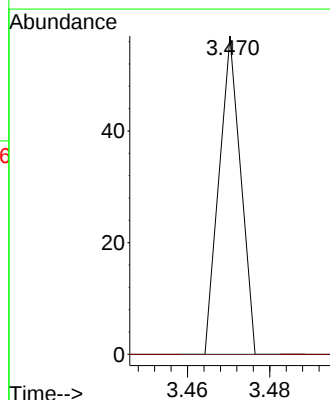
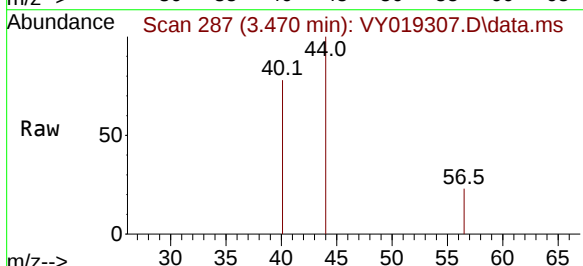
Acq: 28 Aug 2024 02:09

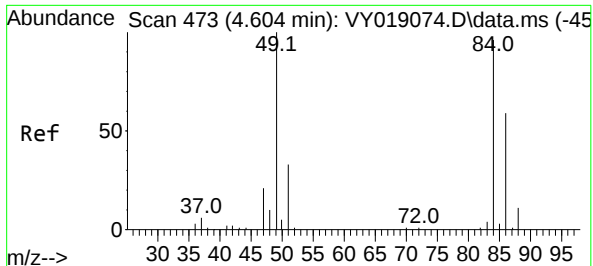
Tgt Ion: 56 Resp: 21

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.598 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY019307.D

Acq: 28 Aug 2024 02:09

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 10143

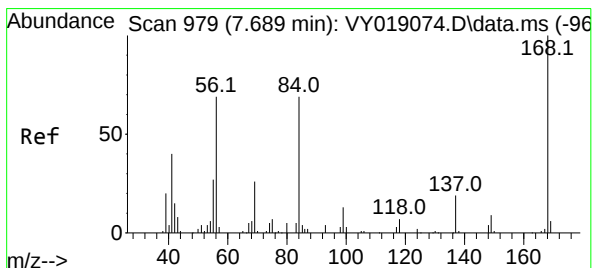
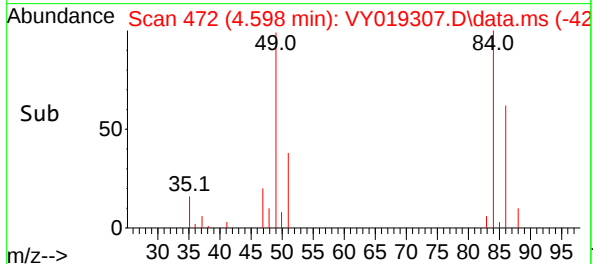
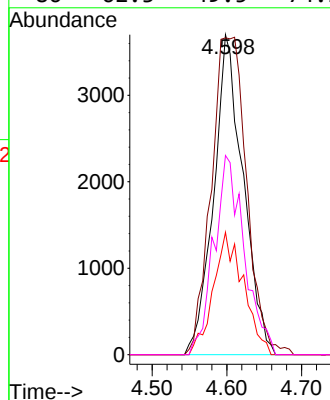
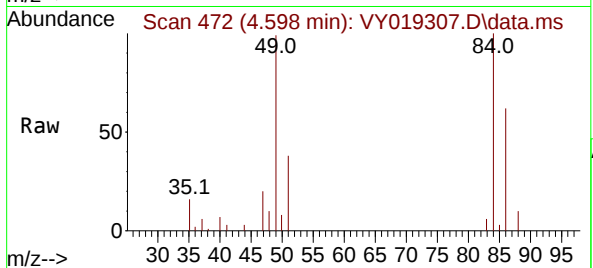
Ion Ratio Lower Upper

84 100

49 99.0 84.4 126.6

51 38.3 26.0 39.0

86 62.3 49.5 74.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.701 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY019307.D

Acq: 28 Aug 2024 02:09

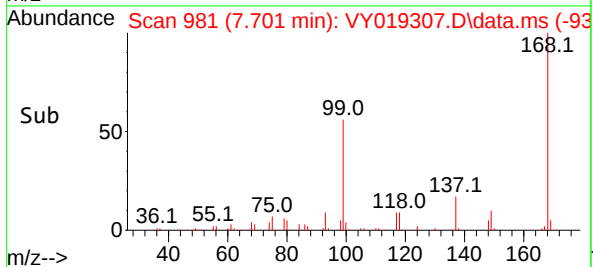
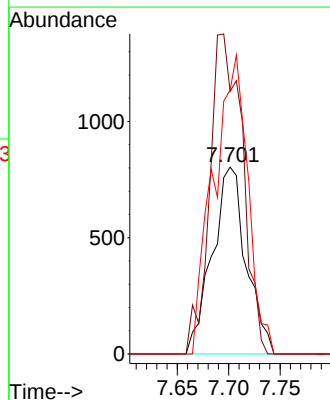
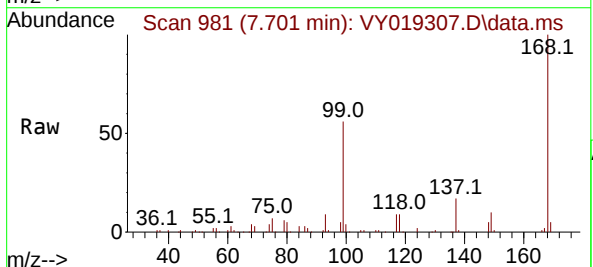
Tgt Ion: 56 Resp: 1848

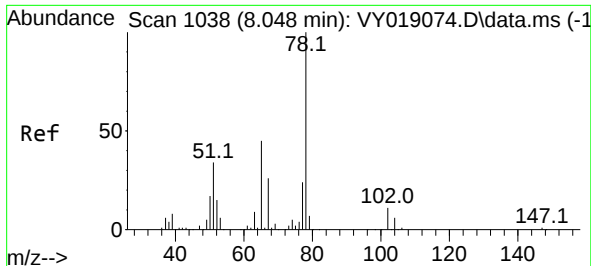
Ion Ratio Lower Upper

56 100

69 140.4 28.7 43.1#

84 141.2 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 55.045 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY019307.D

Acq: 28 Aug 2024 02:09

Instrument :

MSVOA_Y

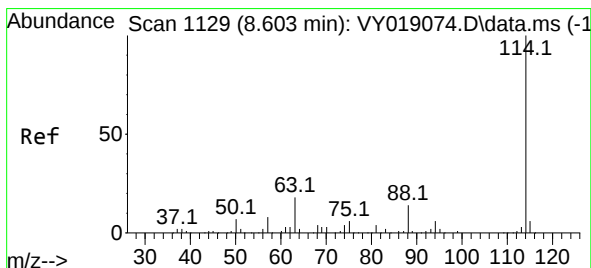
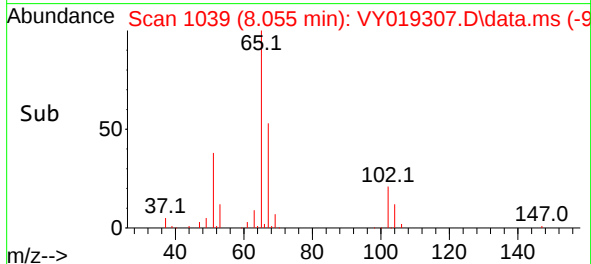
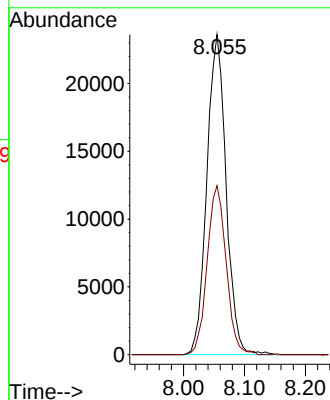
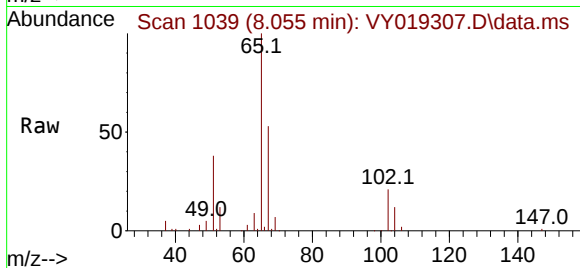
ClientSampleId :

Tgt Ion: 65 Resp: 51802

Ion Ratio Lower Upper

65 100

67 52.3 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.007 min

Lab File: VY019307.D

Acq: 28 Aug 2024 02:09

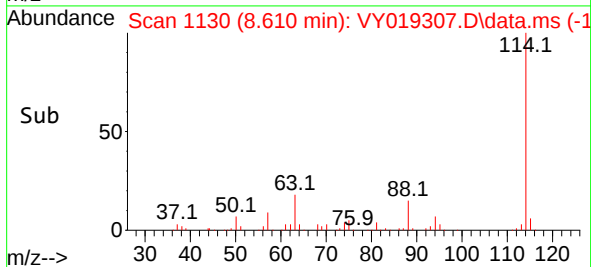
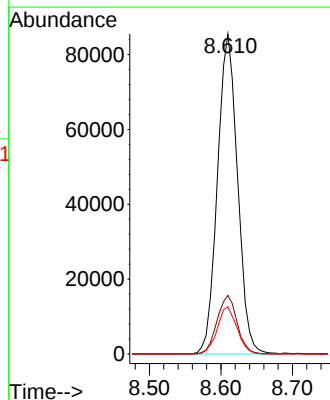
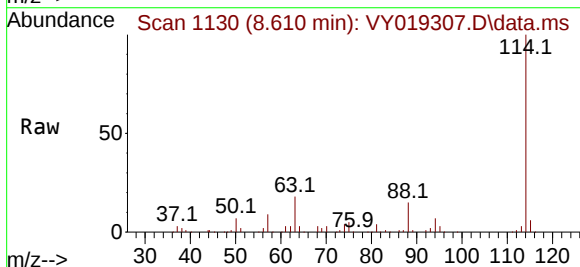
Tgt Ion: 114 Resp: 166835

Ion Ratio Lower Upper

114 100

63 18.3 0.0 35.0

88 14.8 0.0 27.2

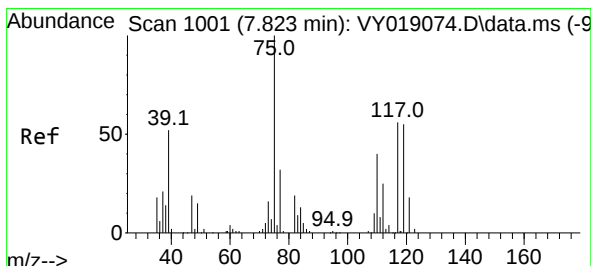
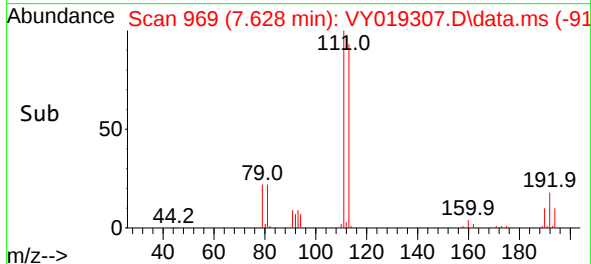
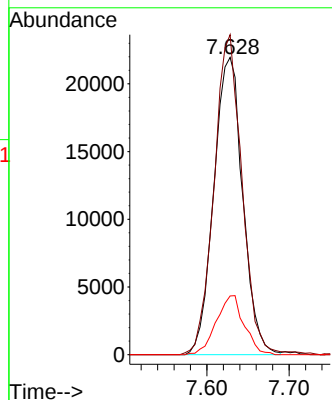
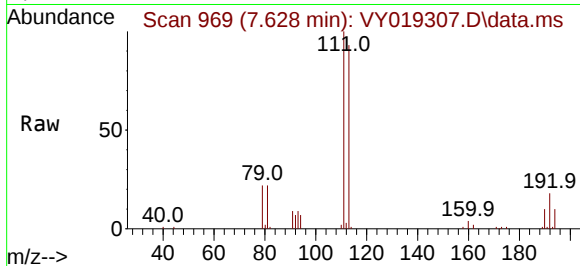




#35
Dibromofluoromethane
Concen: 49.263 ug/l
RT: 7.628 min Scan# 911
Delta R.T. 0.007 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09

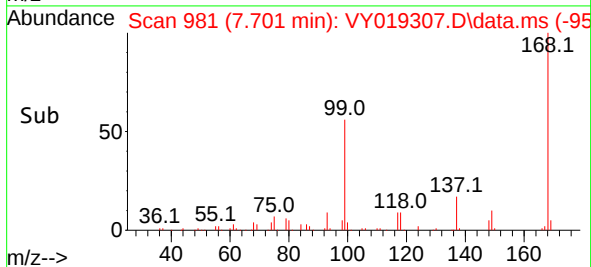
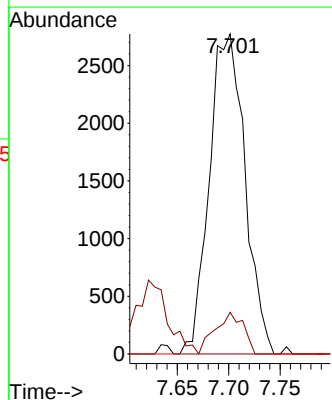
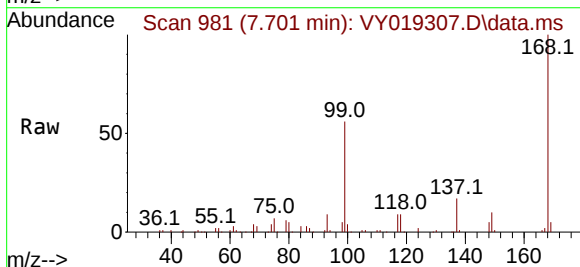
Instrument :
MSVOA_Y
ClientSampleId :

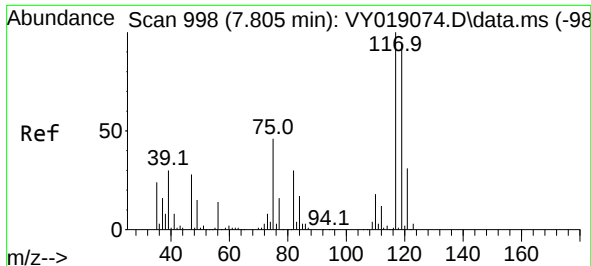
Tgt Ion:113 Resp: 53739
Ion Ratio Lower Upper
113 100
111 104.0 82.2 123.4
192 19.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.467 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09

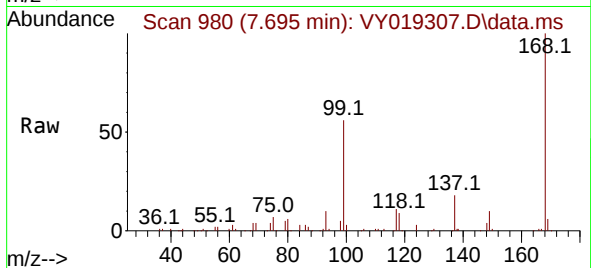
Tgt Ion: 75 Resp: 6692
Ion Ratio Lower Upper
75 100
110 10.3 19.0 57.0#
77 0.0 25.3 37.9#



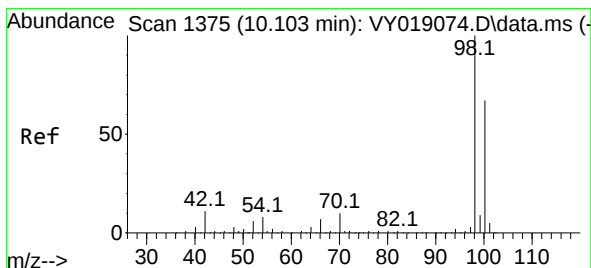
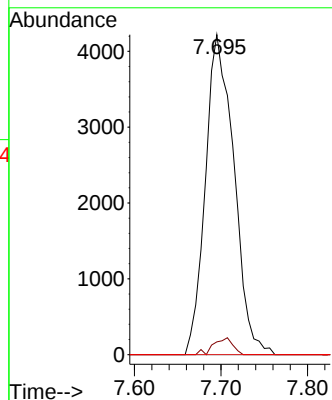
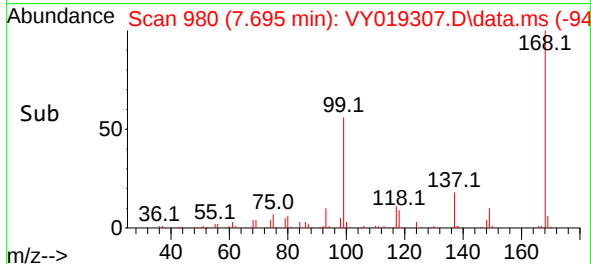


#38
Carbon Tetrachloride
Concen: 5.566 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09

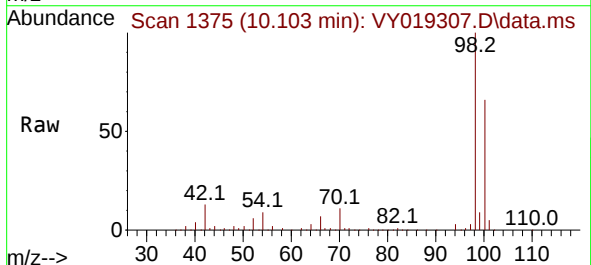
Instrument :
MSVOA_Y
ClientSampleId :



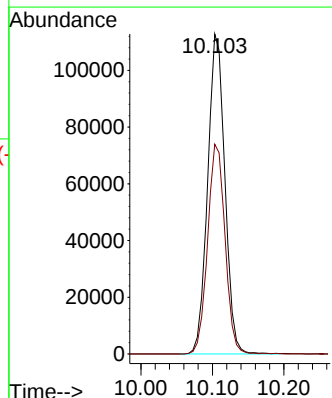
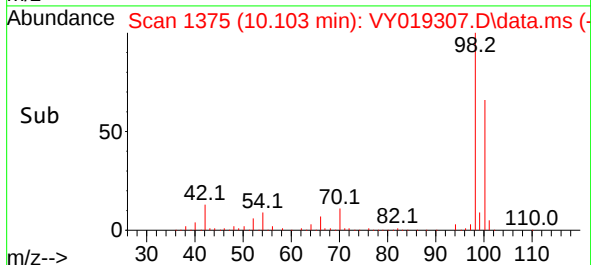
Tgt Ion:117 Resp: 9662
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 24.0 36.0#

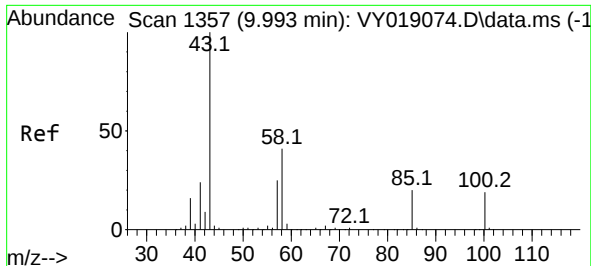


#50
Toluene-d8
Concen: 48.040 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09



Tgt Ion: 98 Resp: 188589
Ion Ratio Lower Upper
98 100
100 66.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.298 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.110 min

Lab File: VY019307.D

Acq: 28 Aug 2024 02:09

Instrument :

MSVOA_Y

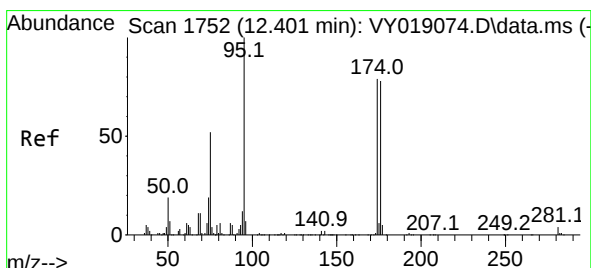
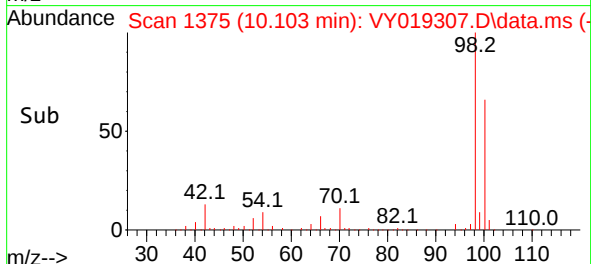
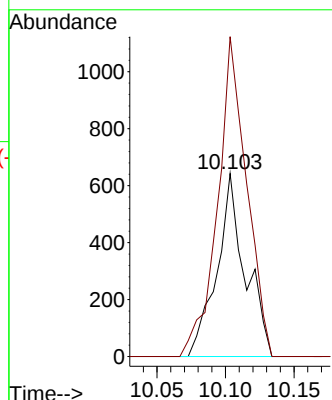
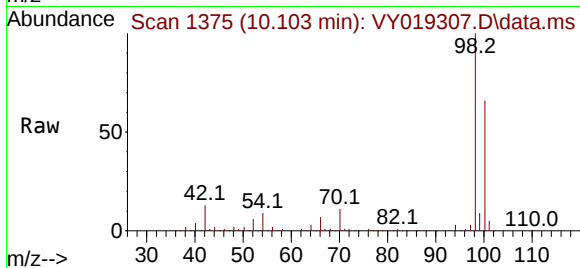
ClientSampleId :

Tgt Ion: 43 Resp: 925

Ion Ratio Lower Upper

43 100

58 178.8 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 43.682 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019307.D

Acq: 28 Aug 2024 02:09

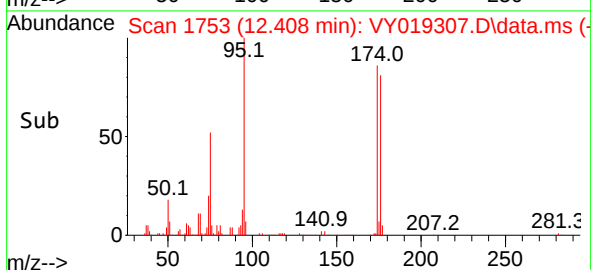
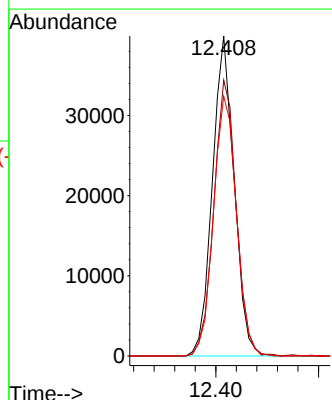
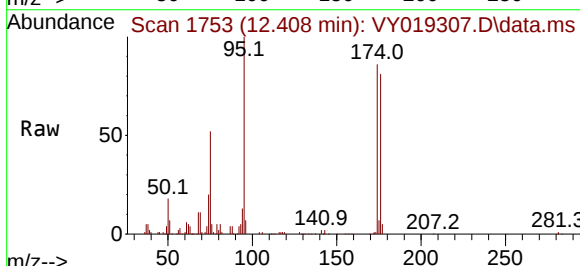
Tgt Ion: 95 Resp: 58458

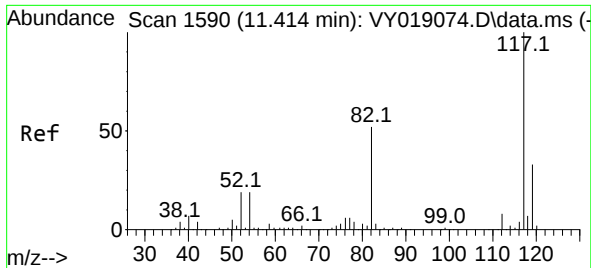
Ion Ratio Lower Upper

95 100

174 89.1 0.0 175.6

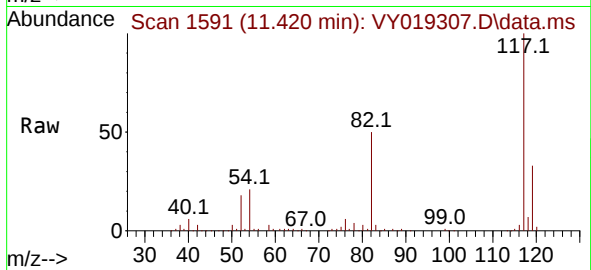
176 86.1 0.0 171.4



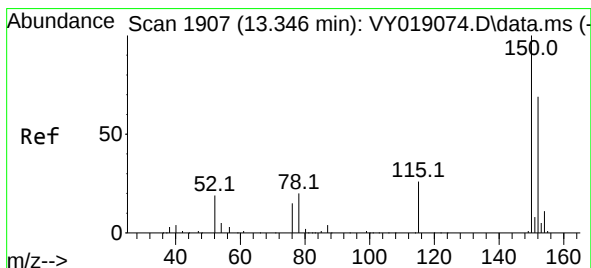
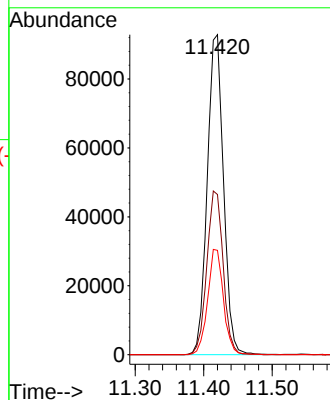
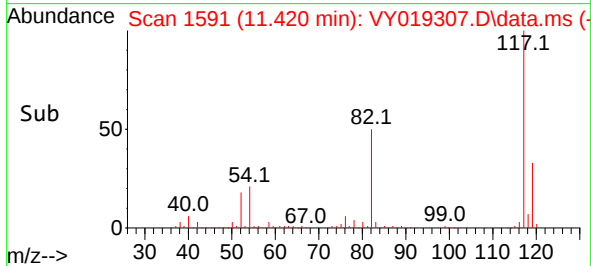


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09

Instrument :
MSVOA_Y
ClientSampleId :

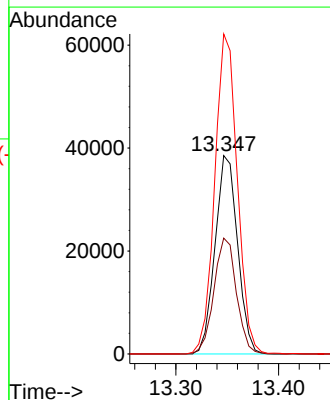
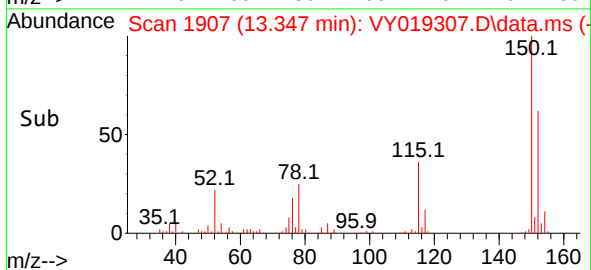
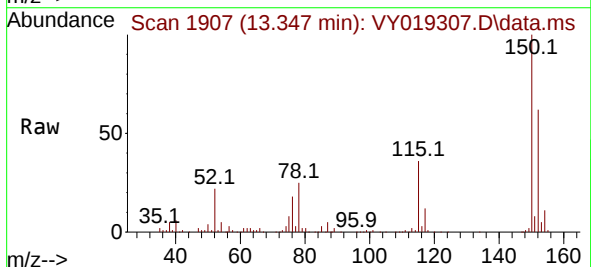


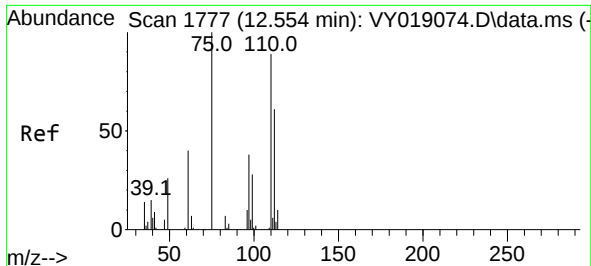
Tgt Ion:117 Resp: 153260
Ion Ratio Lower Upper
117 100
82 50.1 42.4 63.6
119 32.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09

Tgt Ion:152 Resp: 58608
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 161.3 0.0 345.6

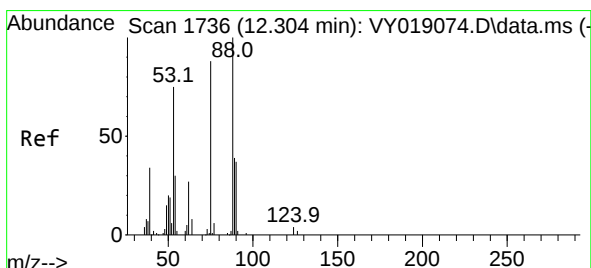
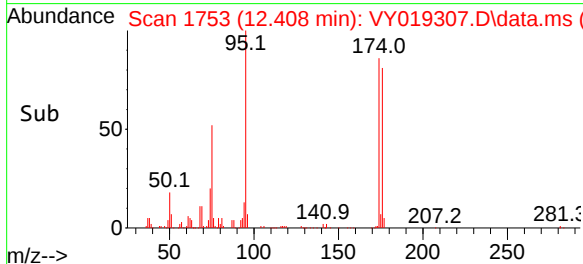
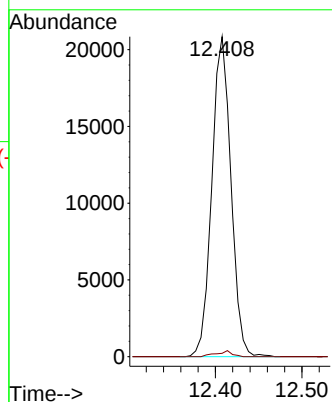
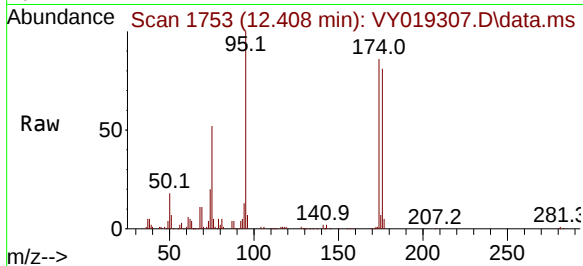




#76
1,2,3-Trichloropropane
Concen: 55.256 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 31937
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.464 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019307.D
Acq: 28 Aug 2024 02:09

Tgt Ion: 75 Resp: 31937
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#

