

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082324\
 Data File : VY019253.D
 Acq On : 23 Aug 2024 13:27
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 22:56:40 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)

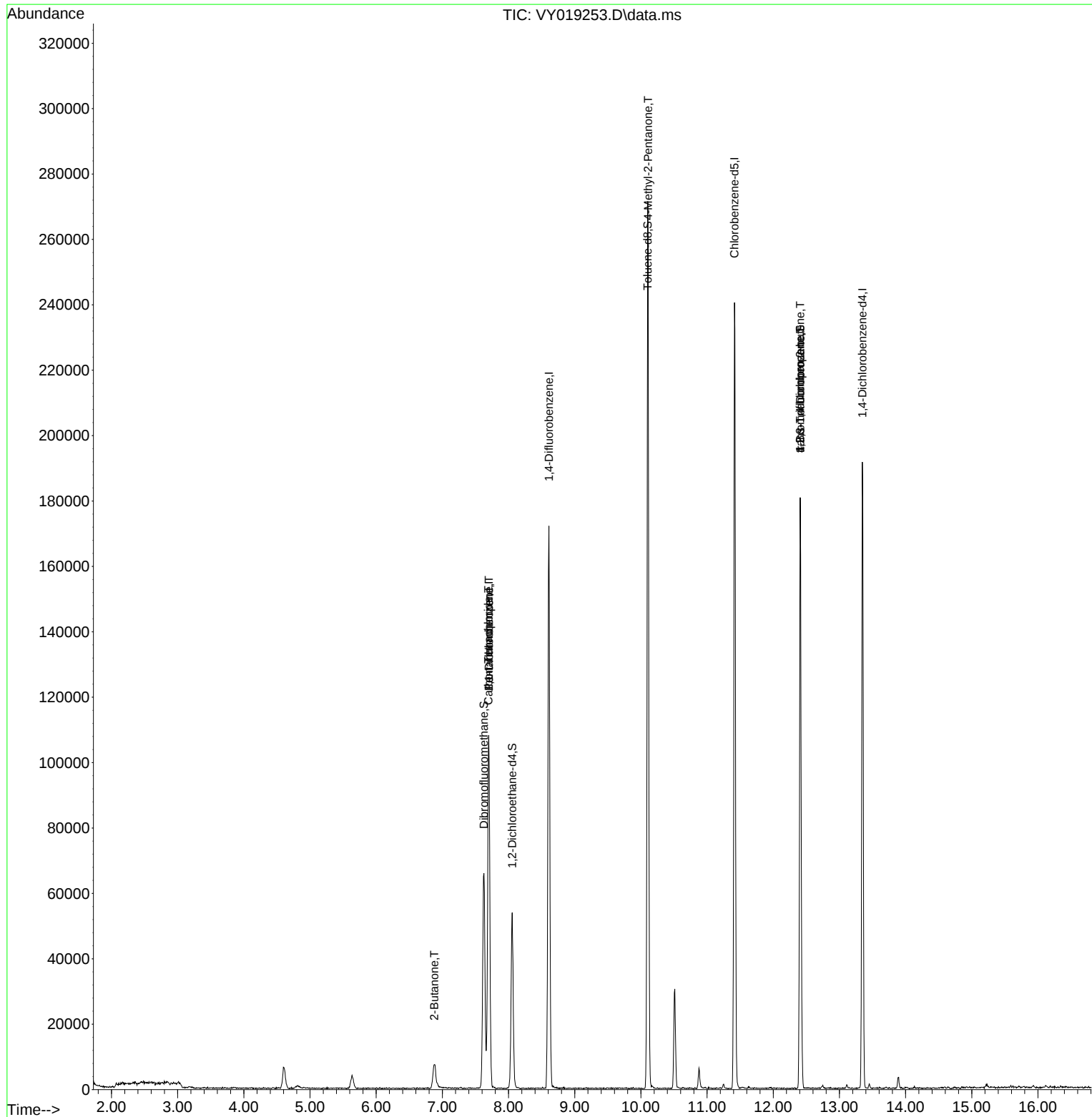
Internal Standards						
1) Pentafluorobenzene	7.701	168	85813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	151167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	135597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	49884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	40310	46.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.720%
35) Dibromofluoromethane	7.628	113	47323	47.877	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.760%
50) Toluene-d8	10.103	98	168795	47.455	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.900%
62) 4-Bromofluorobenzene	12.408	95	48390	39.907	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	79.820%
Target Compounds						
					Qvalue	
5) Bromomethane	2.605	94	268	Below Cal		89
6) Chloroethane	2.702	64	21	Below Cal	#	42
11) Tert butyl alcohol	4.811	59	954	Below Cal	#	88
20) Methylene Chloride	4.610	84	4716	Below Cal	#	94
25) 2-Butanone	6.878	43	436	1.697 ug/l	#	41
31) Cyclohexane	7.695	56	1778	Below Cal	#	64
36) 1,1-Dichloropropene	7.701	75	6571	4.841 ug/l	#	49
38) Carbon Tetrachloride	7.695	117	8575	5.452 ug/l	#	16
51) 4-Methyl-2-Pentanone	10.109	43	727	1.126 ug/l	#	1
76) 1,2,3-Trichloropropane	12.408	75	27146	55.181 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.408	75	27146	136.278 ug/l	#	16

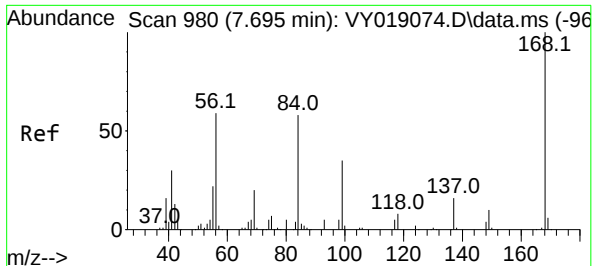
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082324\
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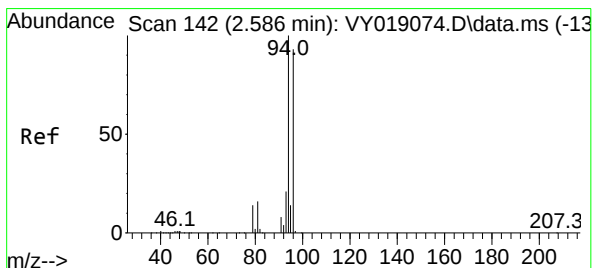
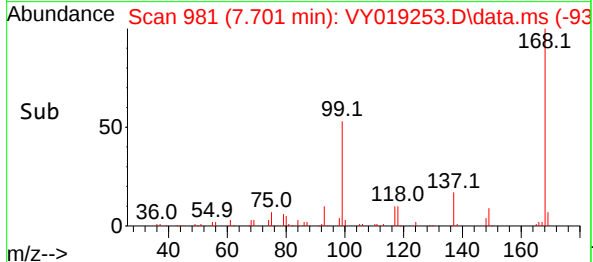
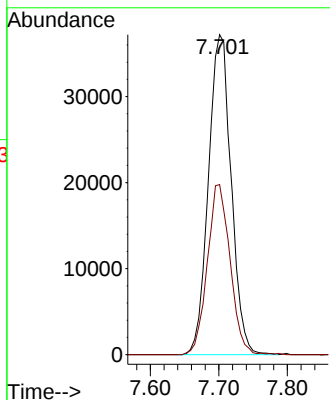
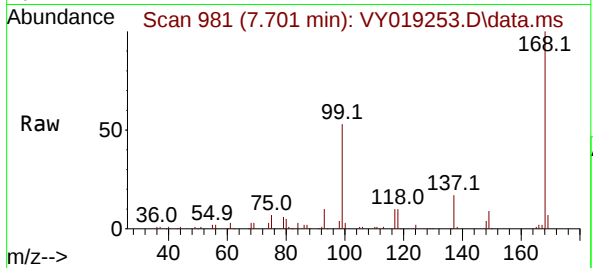




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

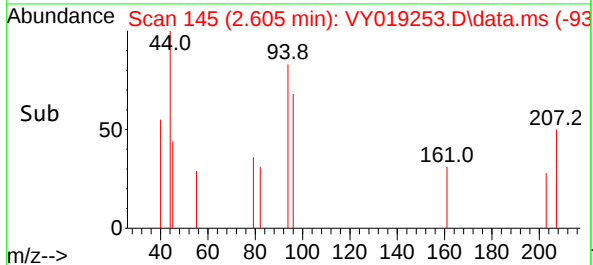
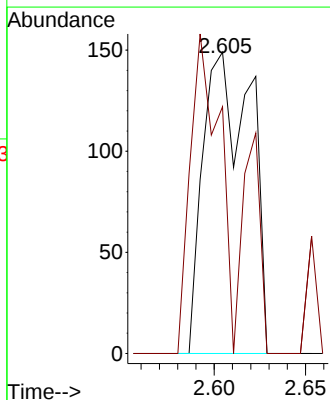
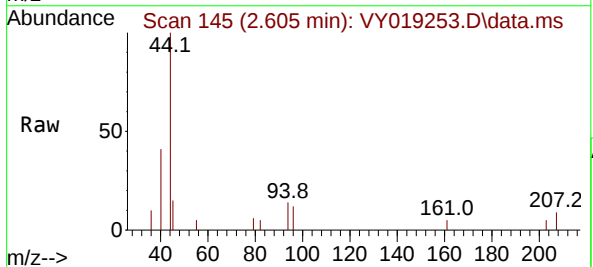
Instrument :
MSVOA_Y
ClientSampleId :

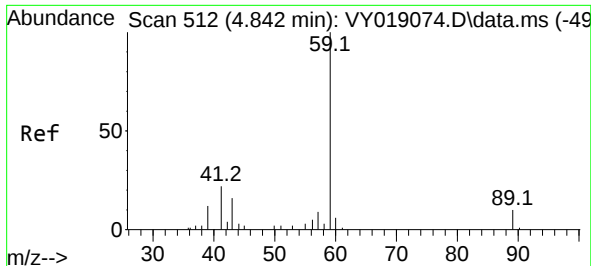
Tgt Ion:168 Resp: 85813
Ion Ratio Lower Upper
168 100
99 53.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.605 min Scan# 145
Delta R.T. 0.019 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

Tgt Ion: 94 Resp: 268
Ion Ratio Lower Upper
94 100
96 81.9 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.811 min Scan# 507

Delta R.T. -0.031 min

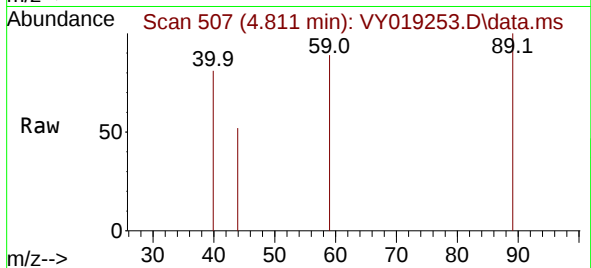
Lab File: VY019253.D

Acq: 23 Aug 2024 13:27

Instrument :

MSVOA_Y

ClientSampleId :

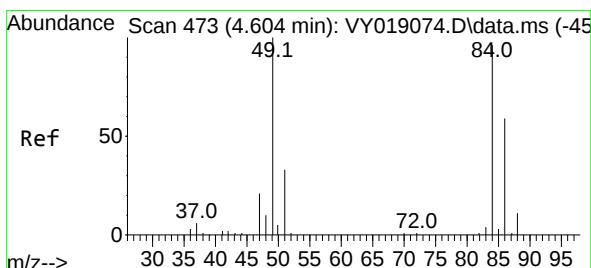
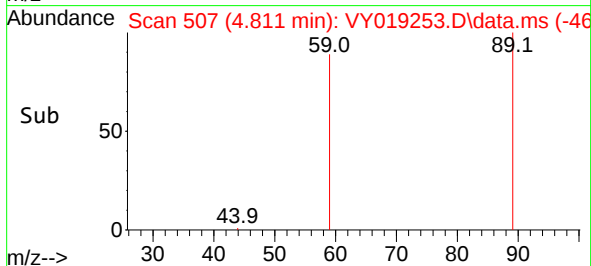
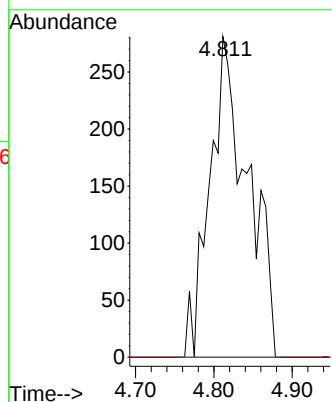


Tgt Ion: 59 Resp: 954

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY019253.D

Acq: 23 Aug 2024 13:27

Tgt Ion: 84 Resp: 4716

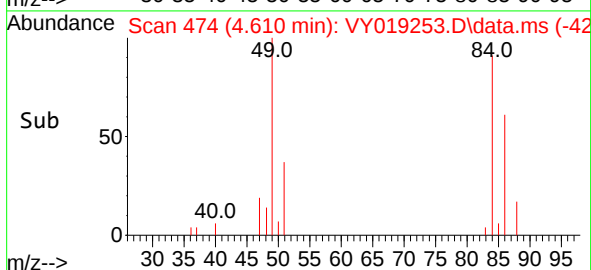
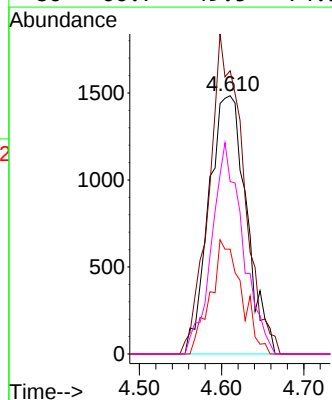
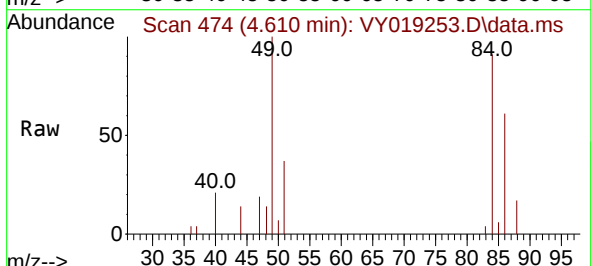
Ion Ratio Lower Upper

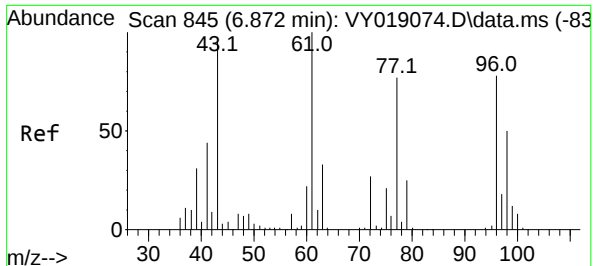
84 100

49 109.7 84.4 126.6

51 40.6 26.0 39.0#

86 66.7 49.5 74.3





#25

2-Butanone

Concen: 1.697 ug/l

RT: 6.878 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY019253.D

Acq: 23 Aug 2024 13:27

Instrument :

MSVOA_Y

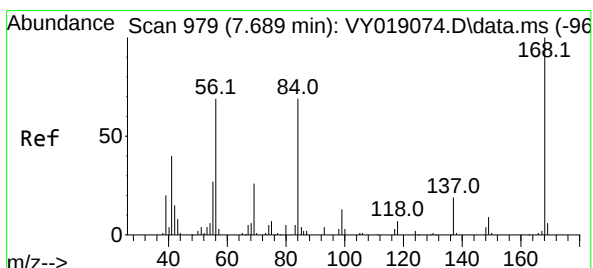
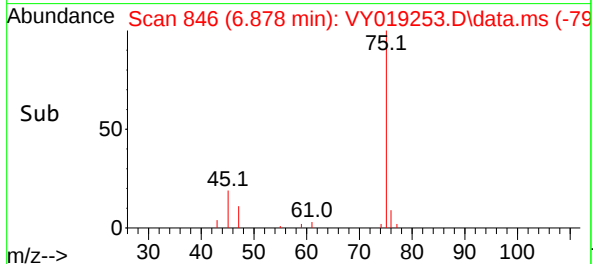
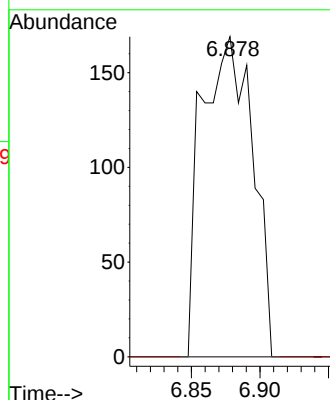
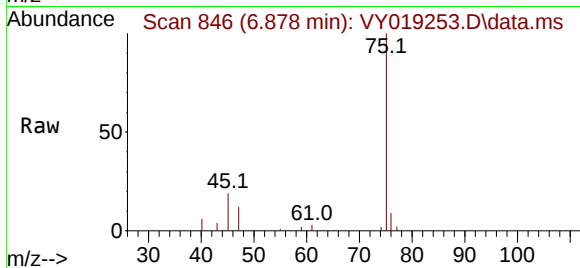
ClientSampleId :

Tgt Ion: 43 Resp: 436

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019253.D

Acq: 23 Aug 2024 13:27

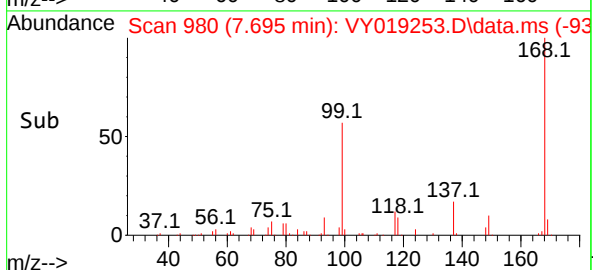
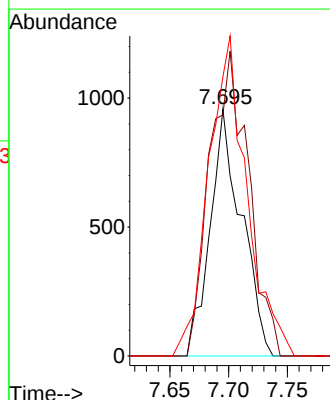
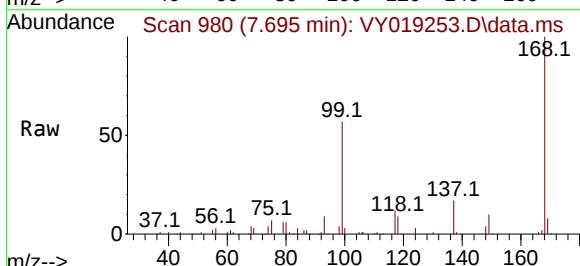
Tgt Ion: 56 Resp: 1778

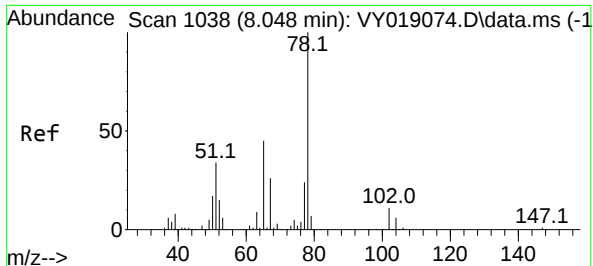
Ion Ratio Lower Upper

56 100

69 97.7 28.7 43.1#

84 107.3 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 46.861 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019253.D

Acq: 23 Aug 2024 13:27

Instrument :

MSVOA_Y

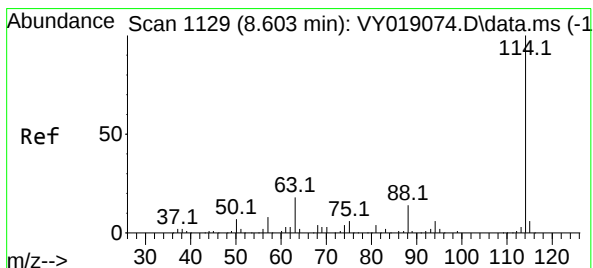
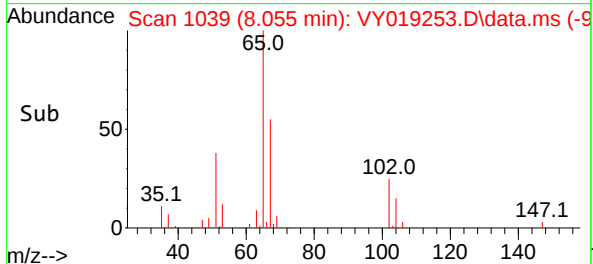
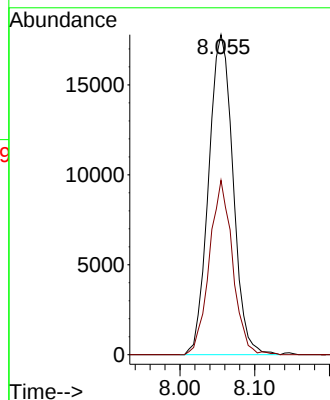
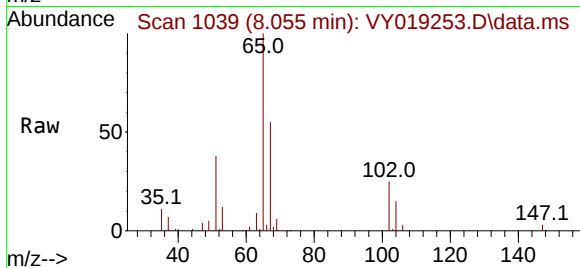
ClientSampleId :

Tgt Ion: 65 Resp: 40310

Ion Ratio Lower Upper

65 100

67 51.9 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: VY019253.D

Acq: 23 Aug 2024 13:27

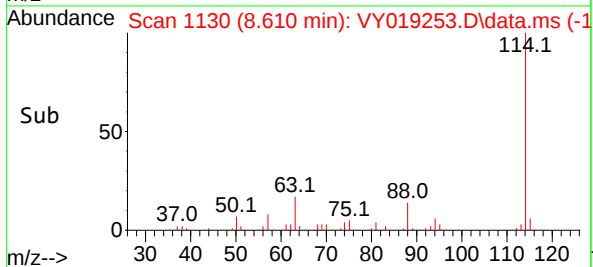
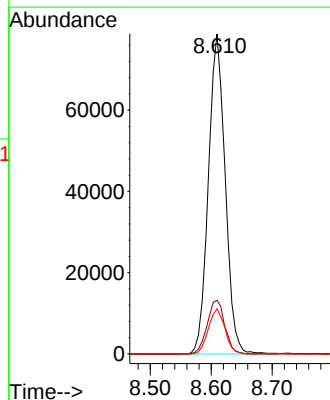
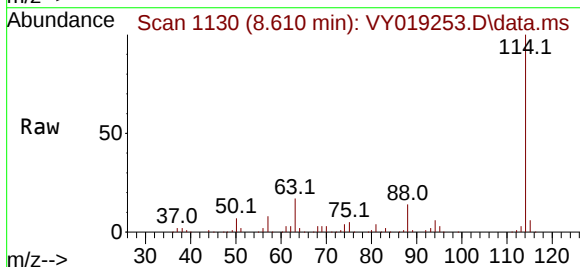
Tgt Ion:114 Resp: 151167

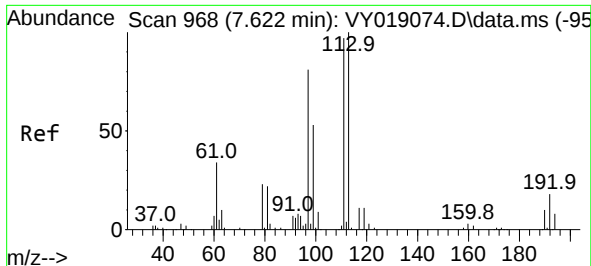
Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.0

88 14.1 0.0 27.2

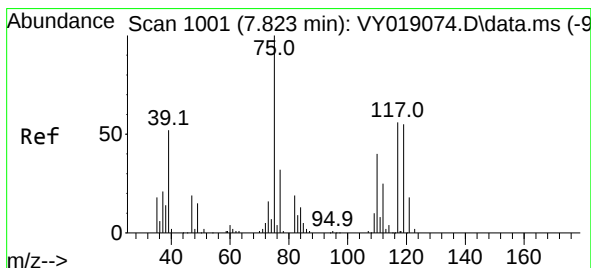
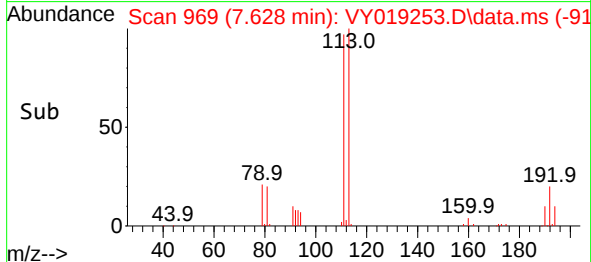
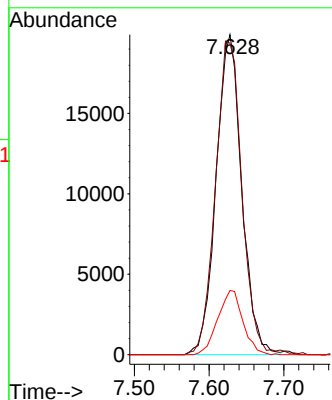
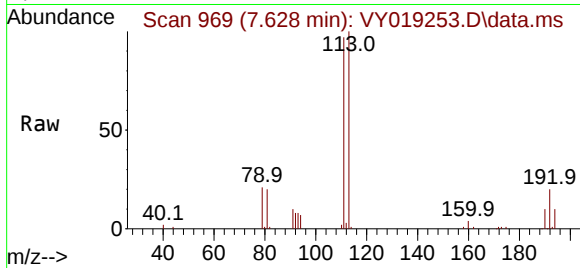




#35
Dibromofluoromethane
Concen: 47.877 ug/l
RT: 7.628 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

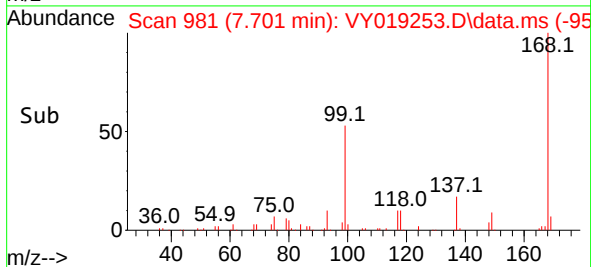
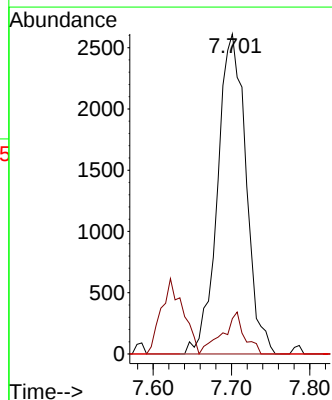
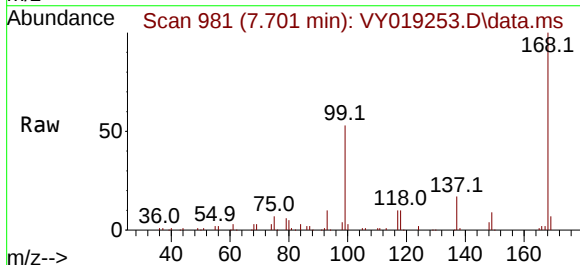
Instrument :
MSVOA_Y
ClientSampleId :

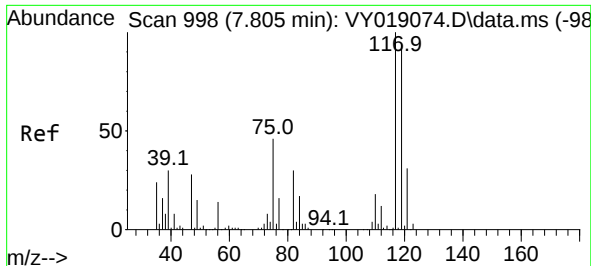
Tgt Ion:113 Resp: 47323
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.4
192 19.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.841 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

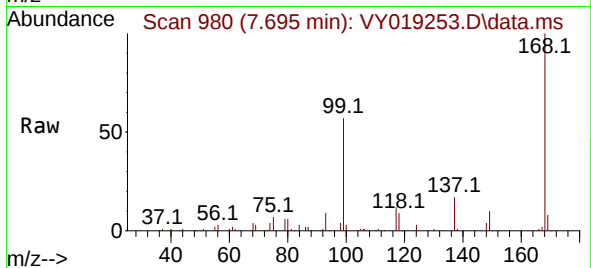
Tgt Ion: 75 Resp: 6571
Ion Ratio Lower Upper
75 100
110 10.1 19.0 57.0#
77 0.0 25.3 37.9#



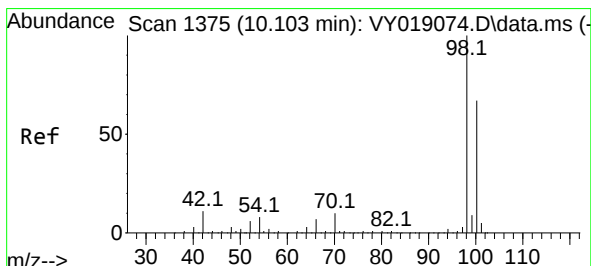
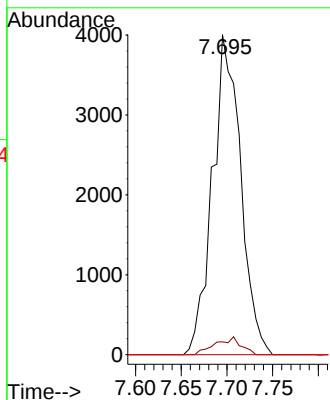
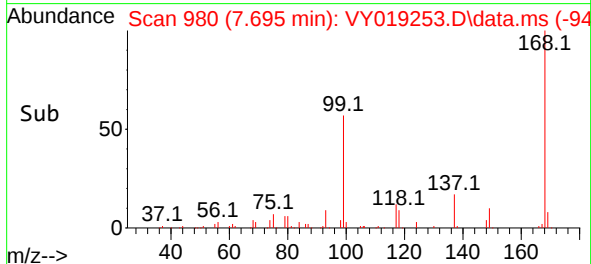


#38
Carbon Tetrachloride
Concen: 5.452 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

Instrument :
MSVOA_Y
ClientSampleId :

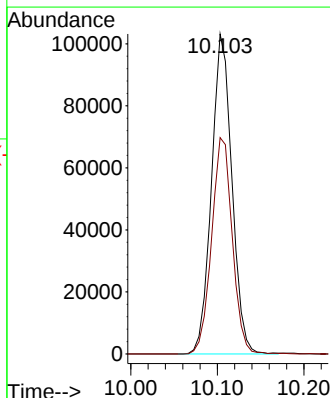
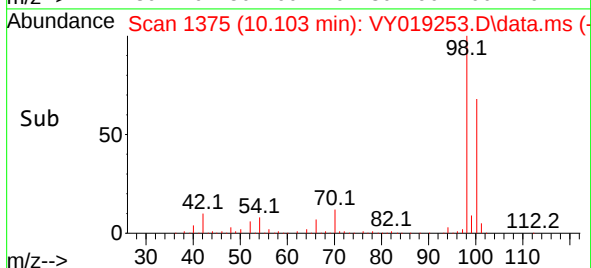
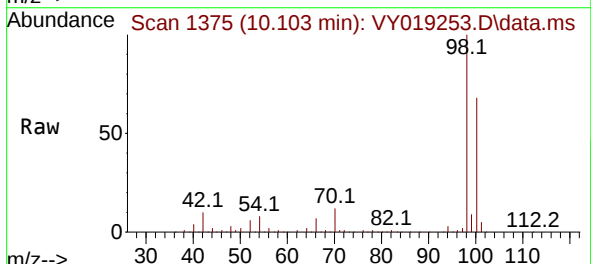


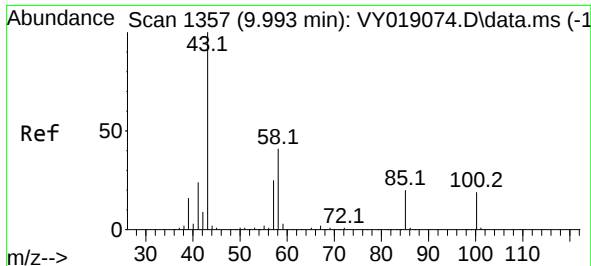
Tgt Ion:117 Resp: 8575
Ion Ratio Lower Upper
117 100
119 4.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.455 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

Tgt Ion: 98 Resp: 168795
Ion Ratio Lower Upper
98 100
100 68.6 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.126 ug/l

RT: 10.109 min Scan# 1357

Delta R.T. 0.116 min

Lab File: VY019253.D

Acq: 23 Aug 2024 13:27

Instrument :

MSVOA_Y

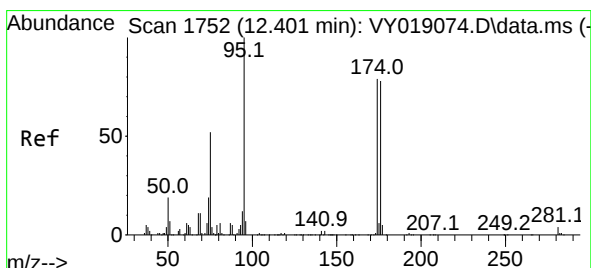
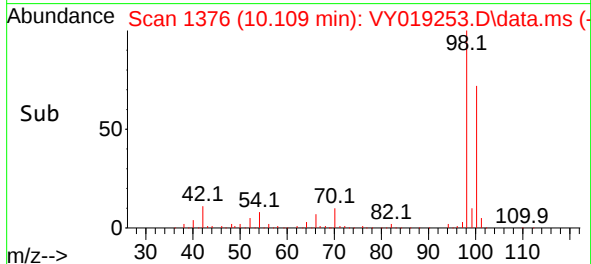
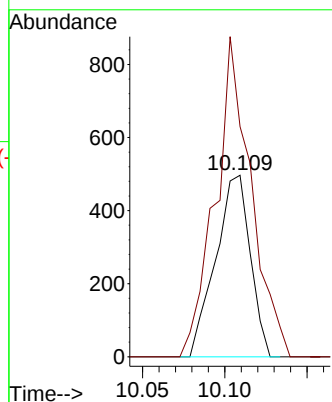
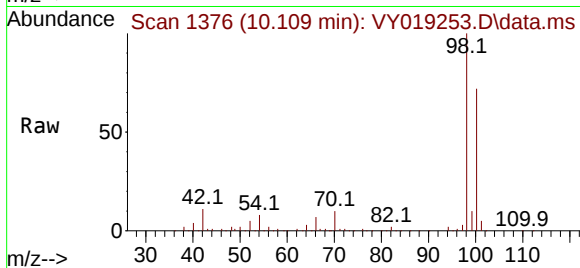
ClientSampleId :

Tgt Ion: 43 Resp: 727

Ion Ratio Lower Upper

43 100

58 181.4 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 39.907 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019253.D

Acq: 23 Aug 2024 13:27

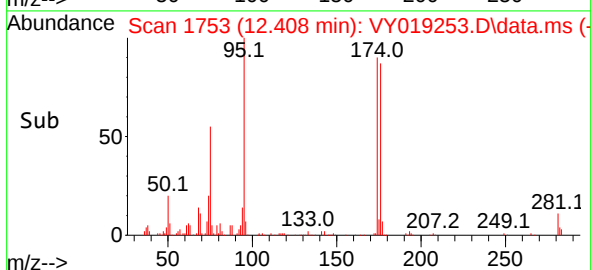
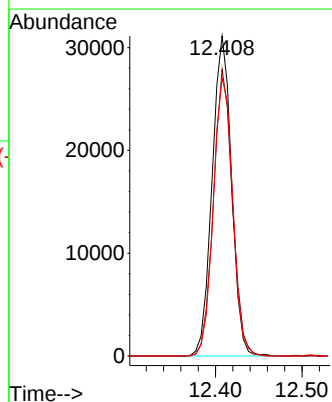
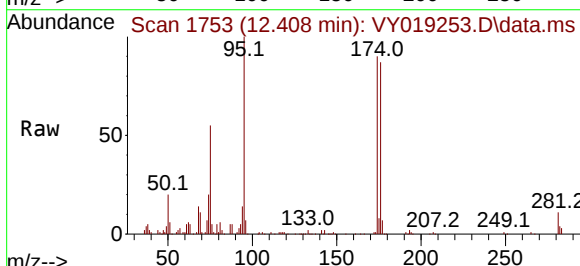
Tgt Ion: 95 Resp: 48390

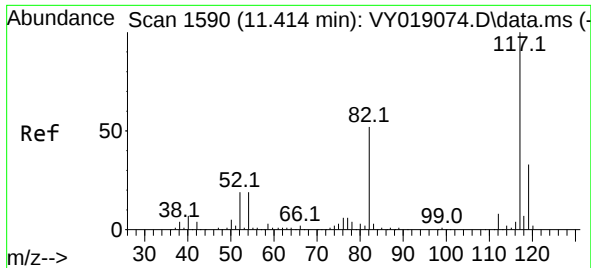
Ion Ratio Lower Upper

95 100

174 87.4 0.0 175.6

176 86.9 0.0 171.4

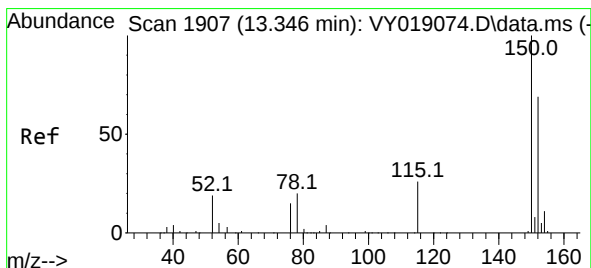
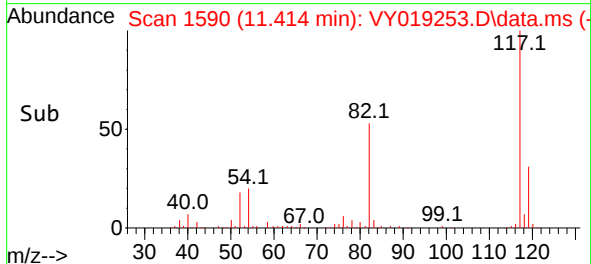
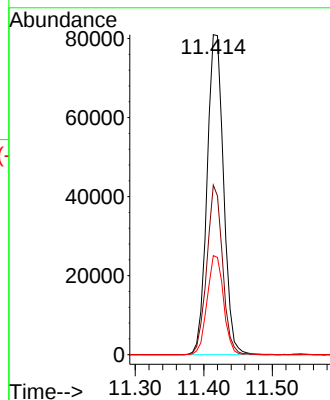
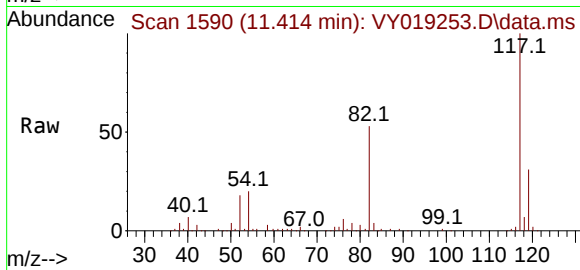




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

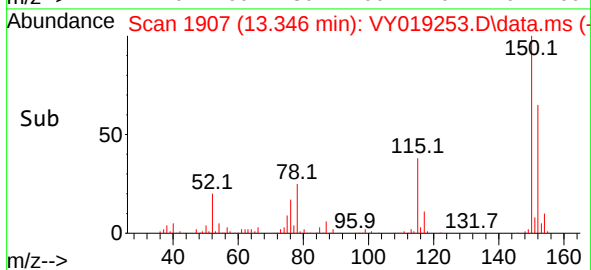
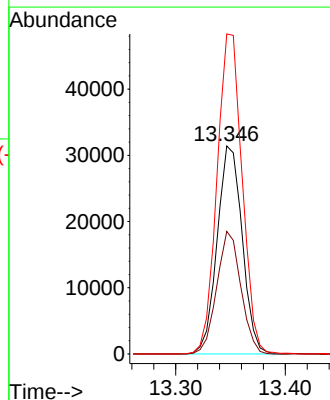
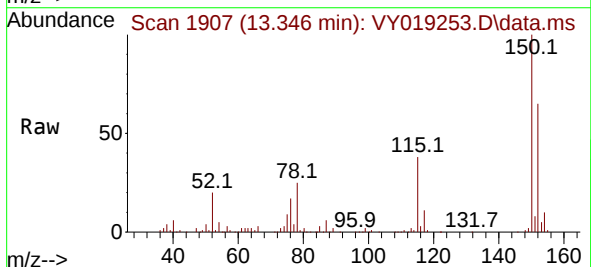
Instrument :
MSVOA_Y
ClientSampleId :

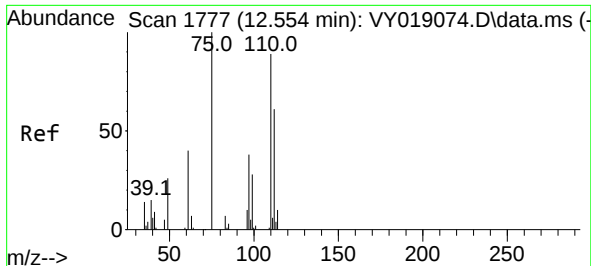
Tgt Ion:117 Resp: 135597
Ion Ratio Lower Upper
117 100
82 53.0 42.4 63.6
119 31.0 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

Tgt Ion:152 Resp: 49884
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 154.6 0.0 345.6

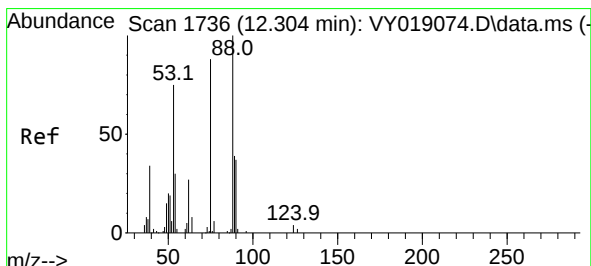
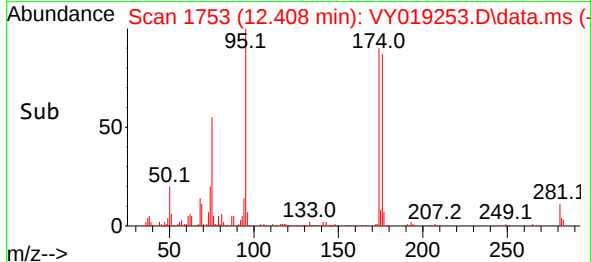
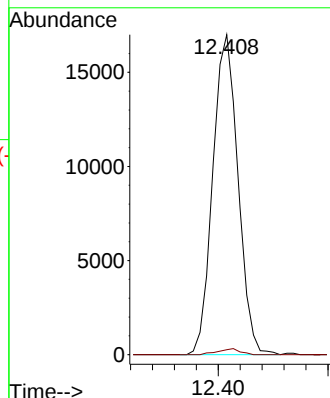
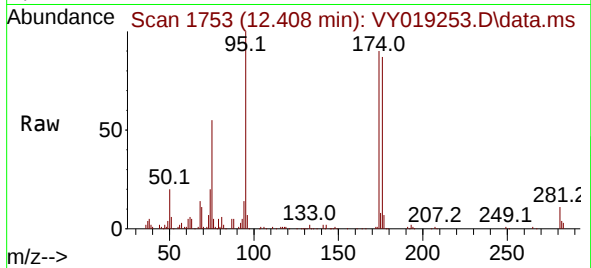




#76
1,2,3-Trichloropropane
Concen: 55.181 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 27146
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.278 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019253.D
Acq: 23 Aug 2024 13:27

Tgt Ion: 75 Resp: 27146
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

