

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
 Data File : VY019356.D
 Acq On : 29 Aug 2024 04:16
 Operator : SY/MD
 Sample : P3737-03
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 29 04:53:04 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)

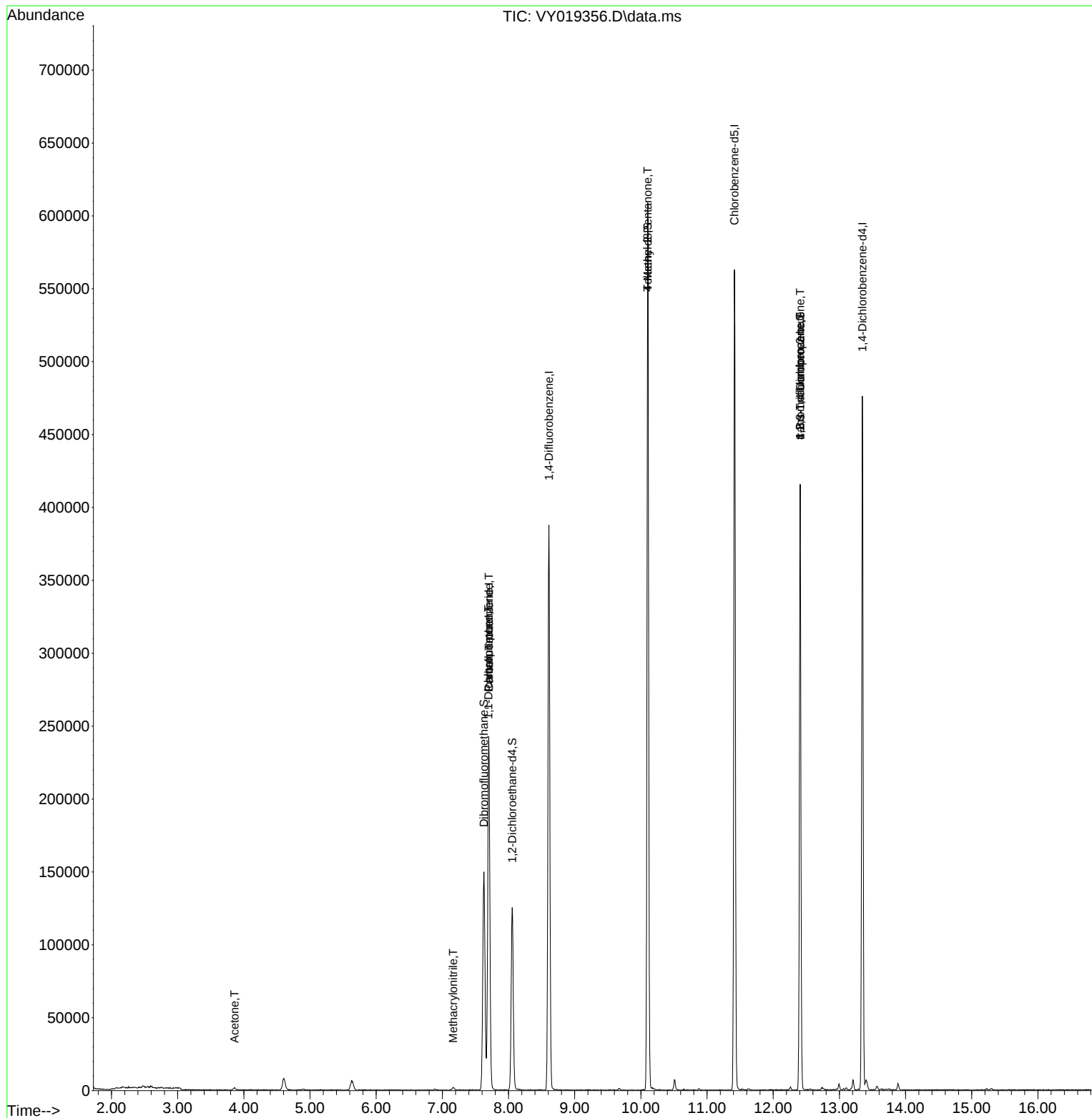
Internal Standards						
1) Pentafluorobenzene	7.701	168	186829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	331640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	301339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	115204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	100985	53.922	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.840%	
35) Dibromofluoromethane	7.628	113	104341	48.118	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.240%	
50) Toluene-d8	10.103	98	380347	48.740	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.408	95	117342	44.110	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 88.220%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	437	Below Cal		82
6) Chloroethane	2.745	64	61	Below Cal	#	42
11) Tert butyl alcohol	4.805	59	43	Below Cal	#	88
16) Acetone	3.860	43	2501	7.201	ug/l #	86
20) Methylene Chloride	4.604	84	5971	Below Cal		96
31) Cyclohexane	7.695	56	3875	Below Cal	#	32
36) 1,1-Dichloropropene	7.695	75	14315	4.807	ug/l #	49
38) Carbon Tetrachloride	7.701	117	18851	5.463	ug/l #	17
41) Methacrylonitrile	7.165	41	1064	1.478	ug/l #	37
51) 4-Methyl-2-Pentanone	10.103	43	1626	1.148	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	63691	56.060	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	63691	138.450	ug/l #	16

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

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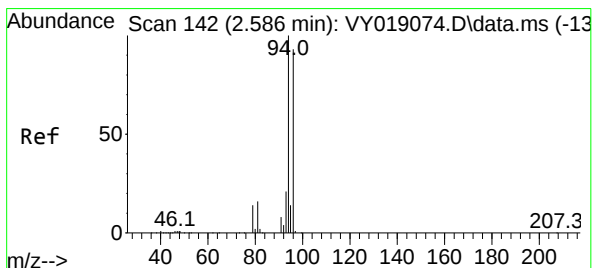
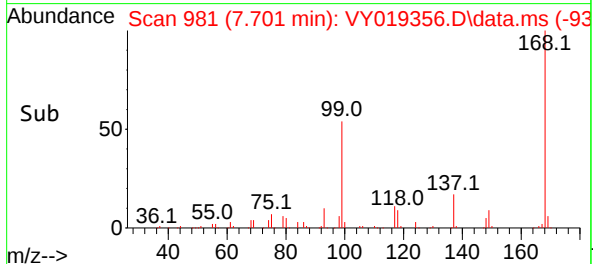
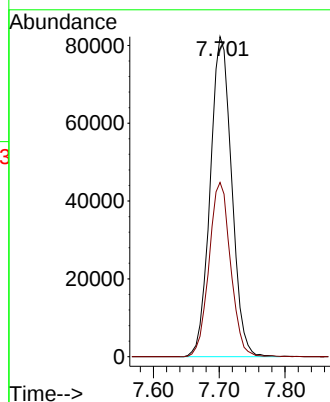
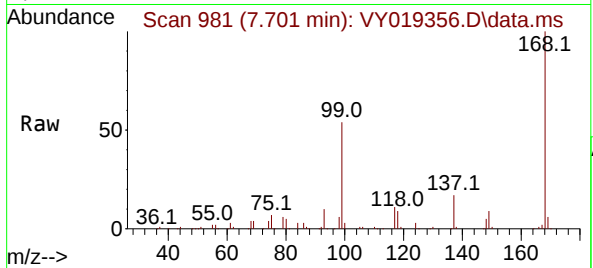




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

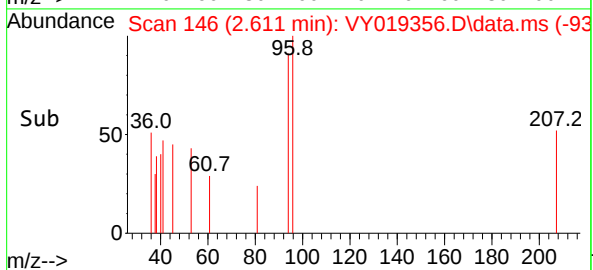
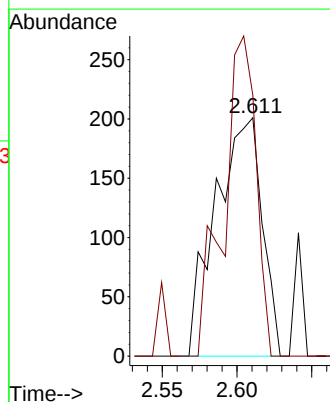
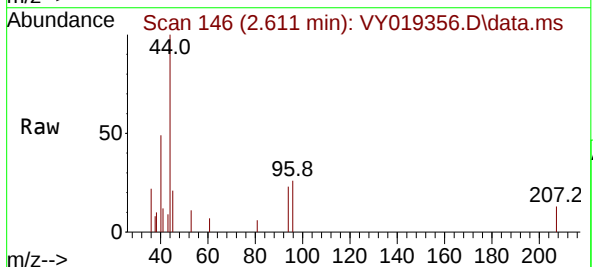
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 186829
Ion Ratio Lower Upper
168 100
99 54.4 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.611 min Scan# 146
Delta R.T. 0.025 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

Tgt Ion: 94 Resp: 437
Ion Ratio Lower Upper
94 100
96 109.5 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.805 min Scan# 50

Delta R.T. -0.037 min

Lab File: VY019356.D

Acq: 29 Aug 2024 04:16

Instrument :

MSVOA_Y

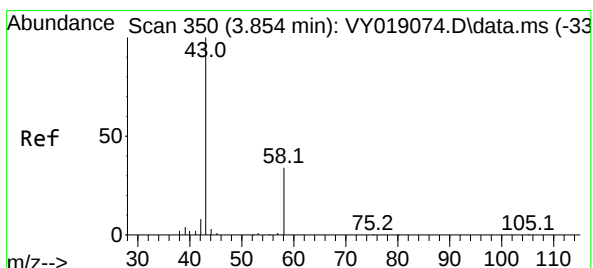
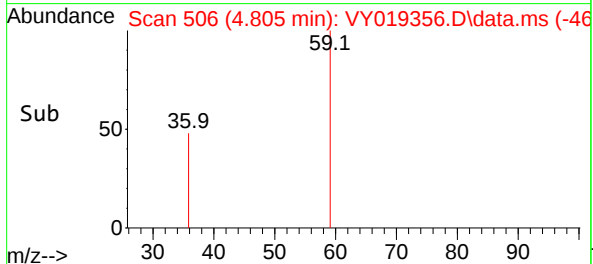
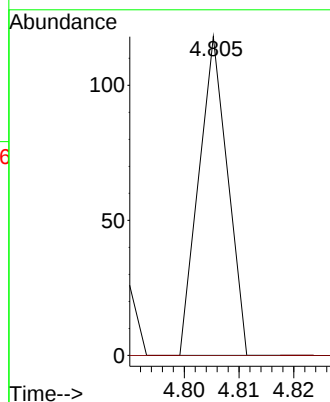
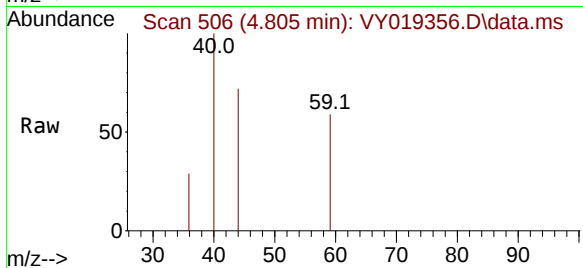
ClientSampleId :

Tgt Ion: 59 Resp: 43

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 7.201 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY019356.D

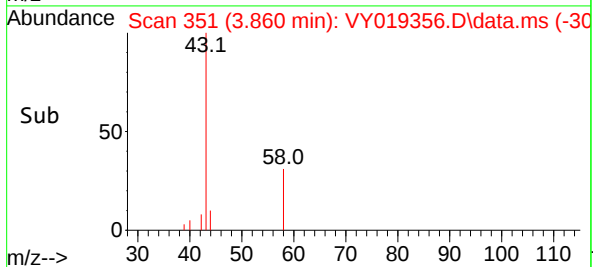
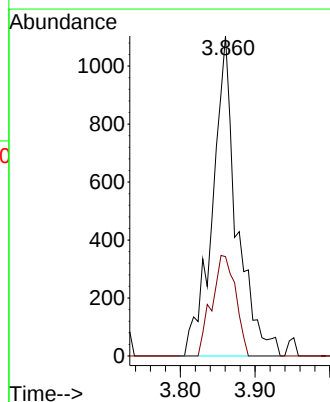
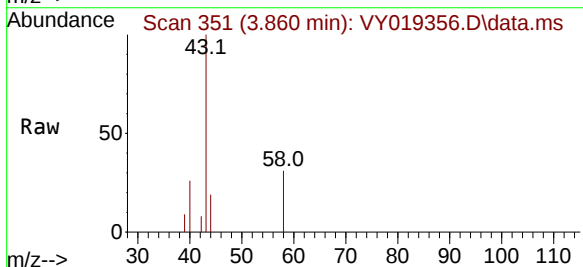
Acq: 29 Aug 2024 04:16

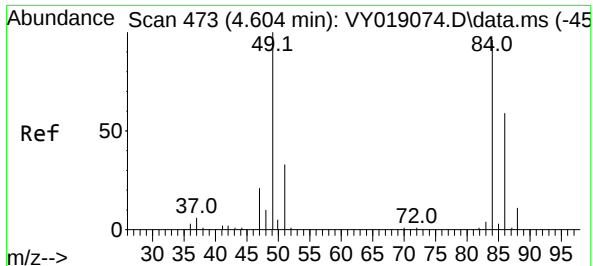
Tgt Ion: 43 Resp: 2501

Ion Ratio Lower Upper

43 100

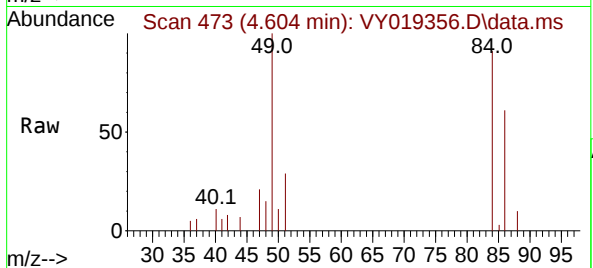
58 31.1 31.7 47.5#



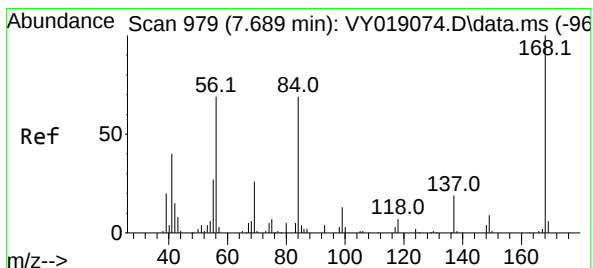
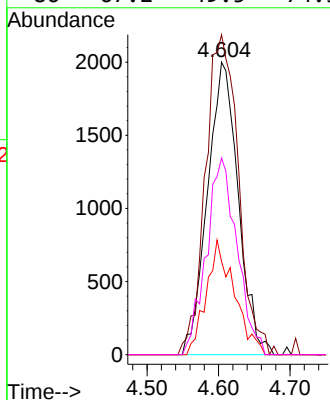


#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

Instrument :
MSVOA_Y
ClientSampleId :

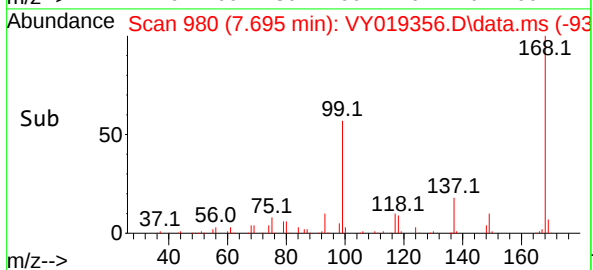
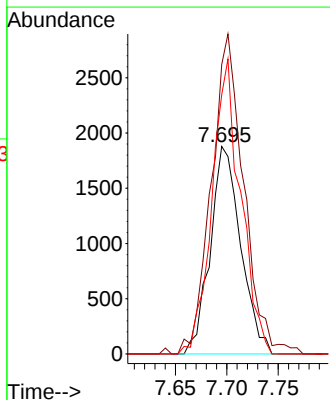
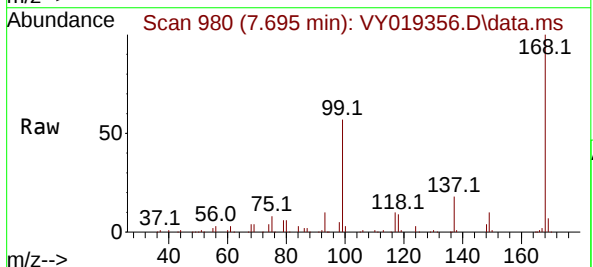


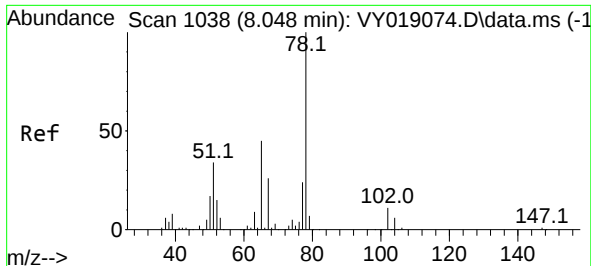
Tgt Ion:	84	Resp:	5971
Ion	Ratio	Lower	Upper
84	100		
49	109.4	84.4	126.6
51	31.9	26.0	39.0
86	67.2	49.5	74.3



#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

Tgt Ion:	56	Resp:	3875
Ion	Ratio	Lower	Upper
56	100		
69	139.6	28.7	43.1#
84	125.0	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 53.922 ug/l

RT: 8.055 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY019356.D

Acq: 29 Aug 2024 04:16

Instrument :

MSVOA_Y

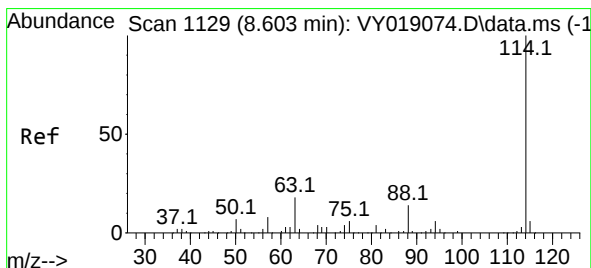
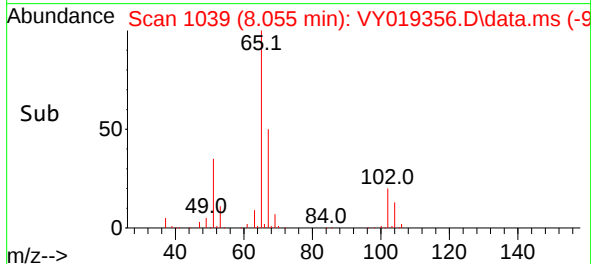
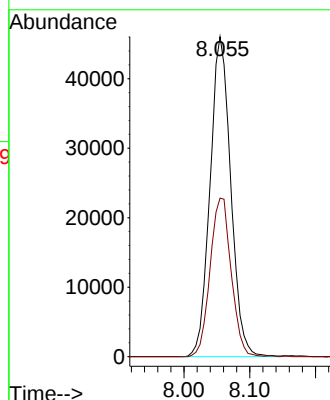
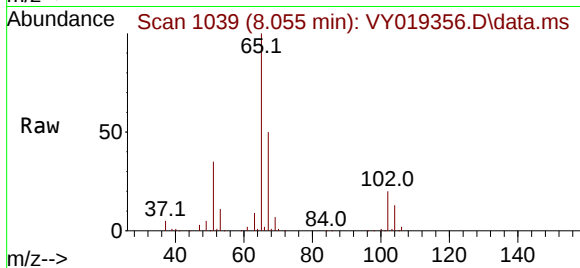
ClientSampleId :

Tgt Ion: 65 Resp: 100985

Ion Ratio Lower Upper

65 100

67 50.3 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: VY019356.D

Acq: 29 Aug 2024 04:16

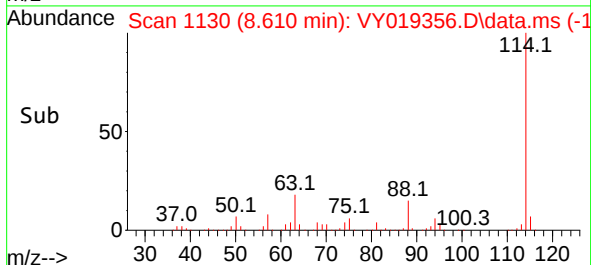
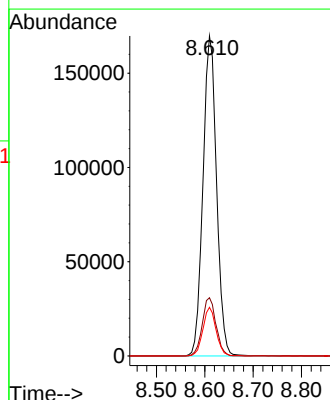
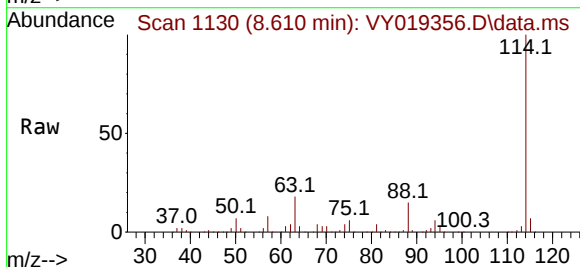
Tgt Ion: 114 Resp: 331640

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

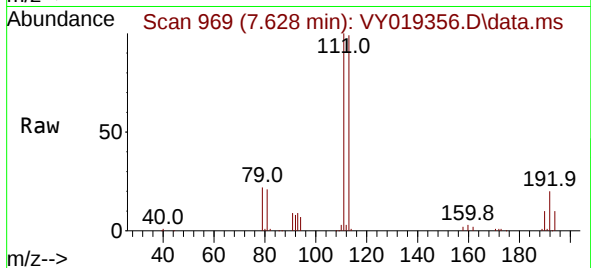
88 15.2 0.0 27.2



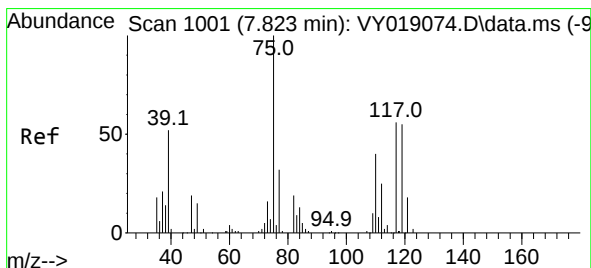
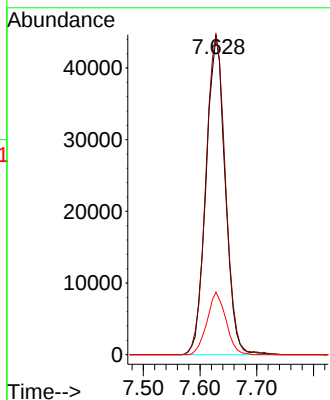
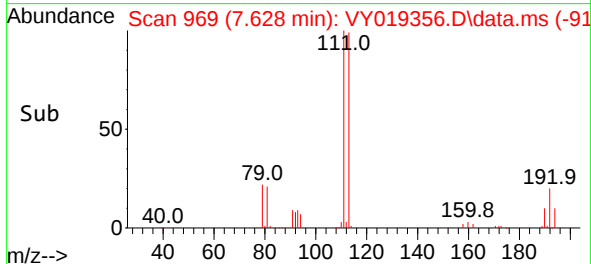


#35
Dibromofluoromethane
Concen: 48.118 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

Instrument :
MSVOA_Y
ClientSampleId :

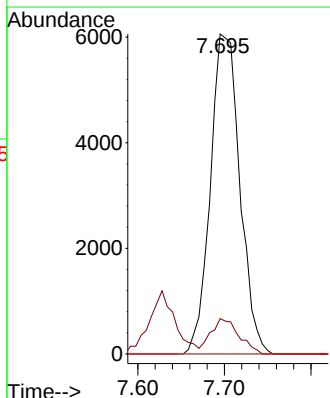
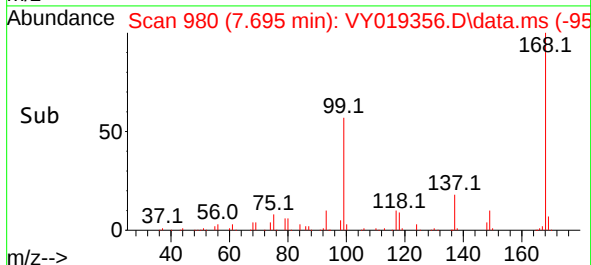
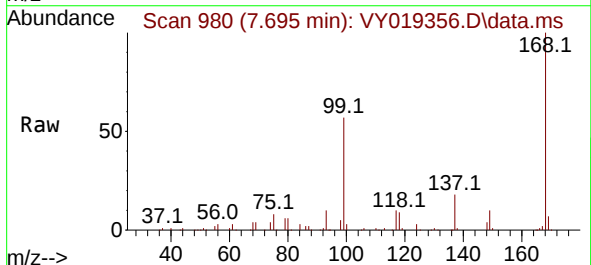


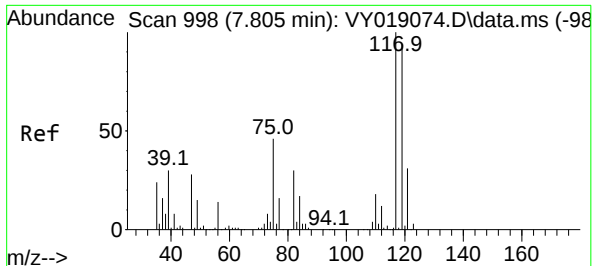
Tgt Ion:113 Resp: 104341
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 19.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

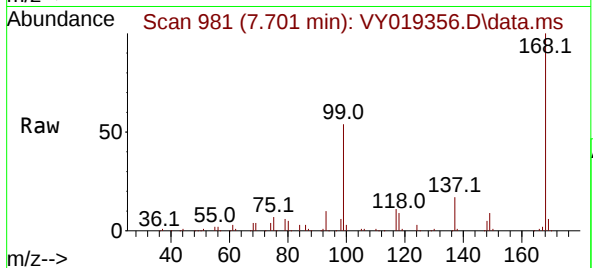
Tgt Ion: 75 Resp: 14315
Ion Ratio Lower Upper
75 100
110 10.5 19.0 57.0#
77 0.0 25.3 37.9#



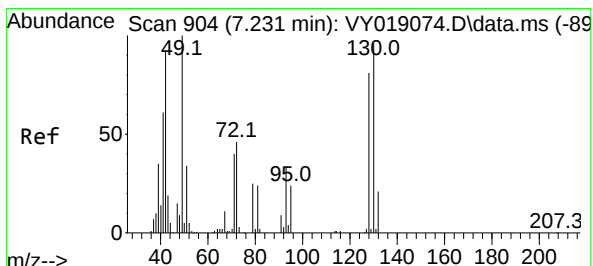
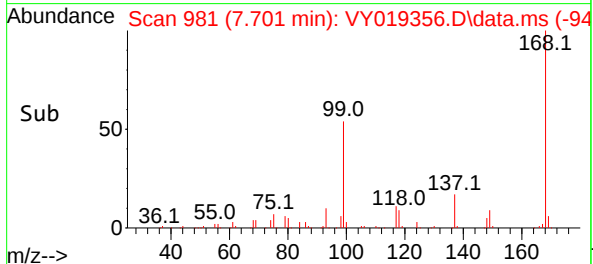
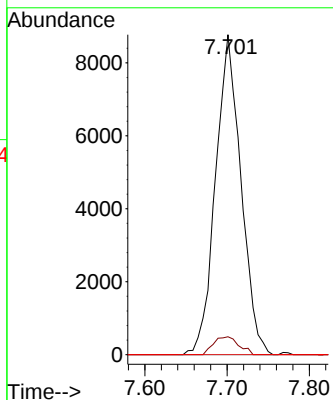


#38
Carbon Tetrachloride
Concen: 5.463 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

Instrument :
MSVOA_Y
ClientSampleId :

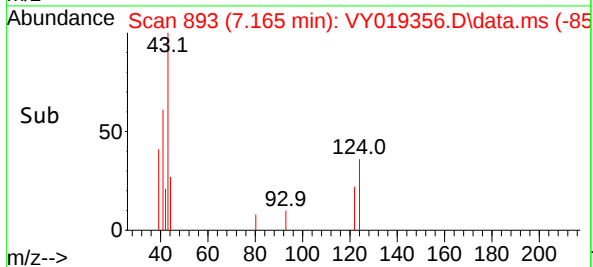
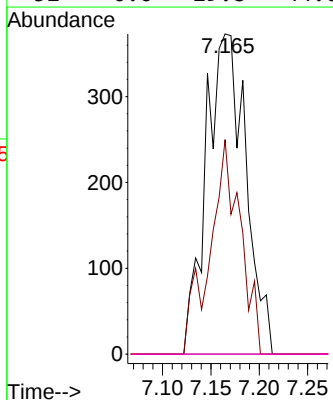
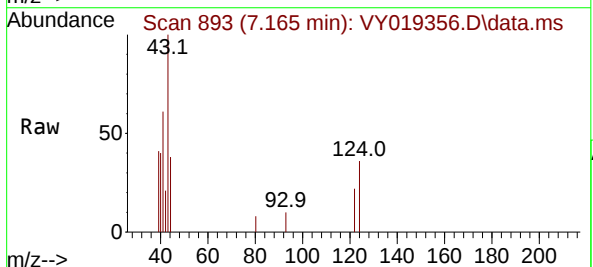


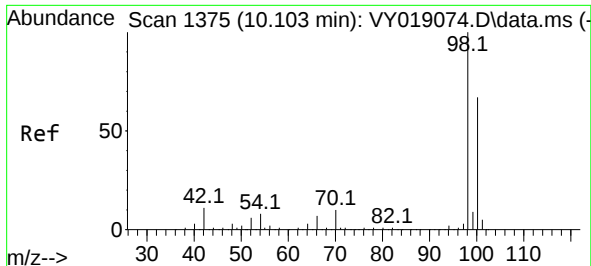
Tgt Ion:117 Resp: 18851
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.478 ug/l
RT: 7.165 min Scan# 893
Delta R.T. -0.067 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

Tgt Ion: 41 Resp: 1064
Ion Ratio Lower Upper
41 100
39 52.2 48.0 72.0
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#

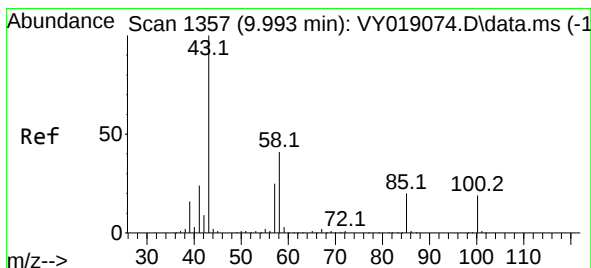
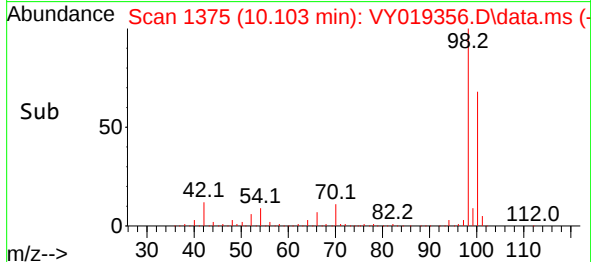
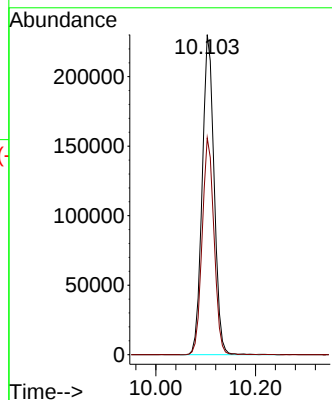
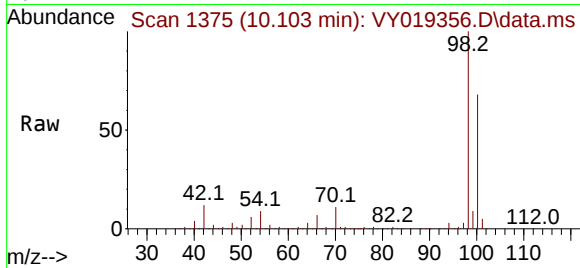




#50
Toluene-d8
Concen: 48.740 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

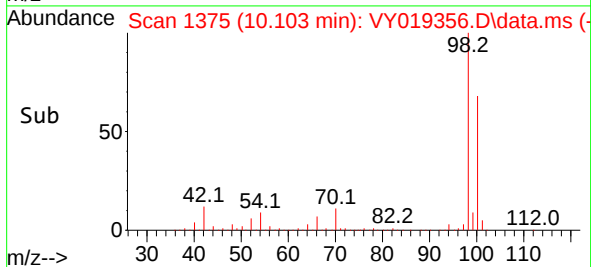
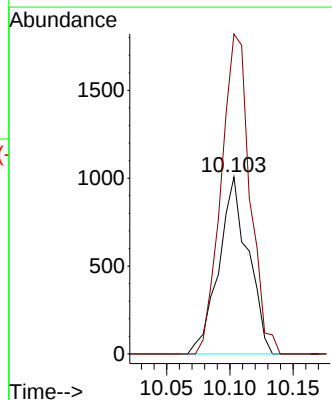
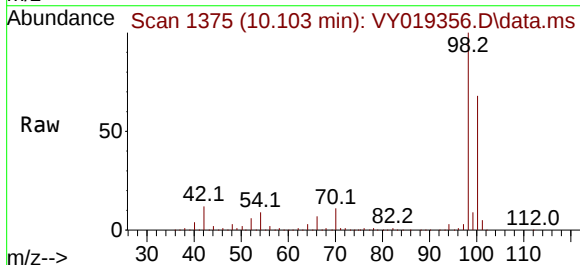
Instrument :
MSVOA_Y
ClientSampleId :

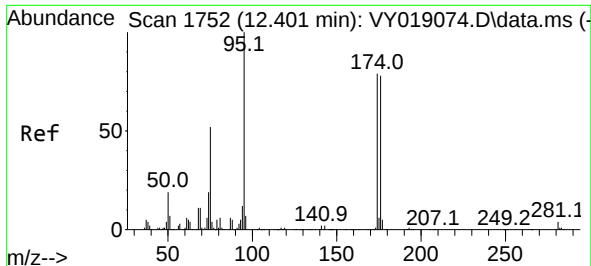
Tgt Ion: 98 Resp: 380347
Ion Ratio Lower Upper
98 100
100 67.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.148 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

Tgt Ion: 43 Resp: 1626
Ion Ratio Lower Upper
43 100
58 177.7 35.7 53.5#

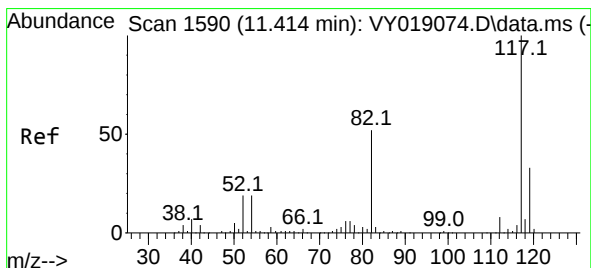
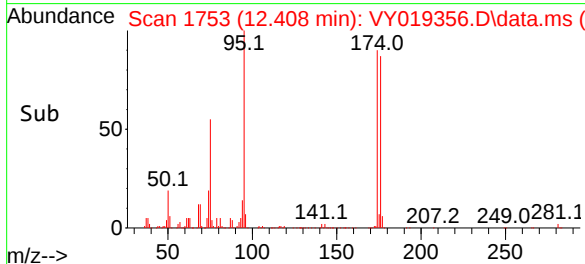
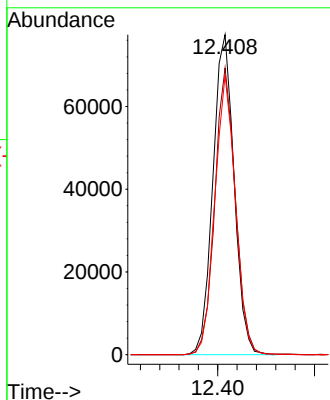
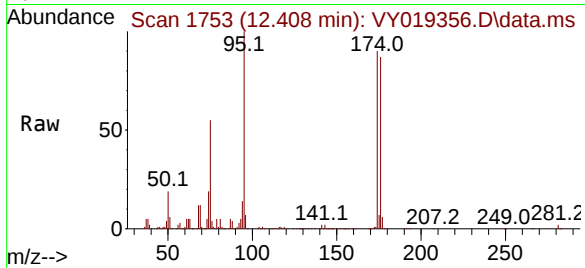




#62
4-Bromofluorobenzene
Concen: 44.110 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

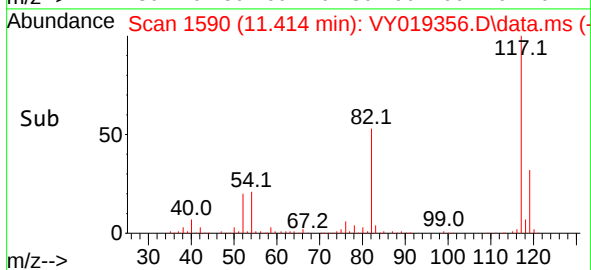
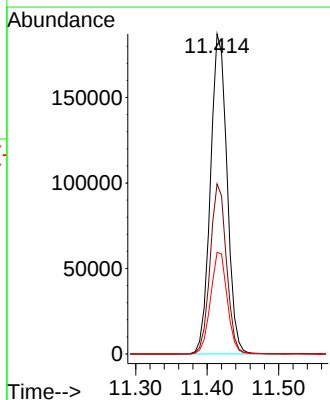
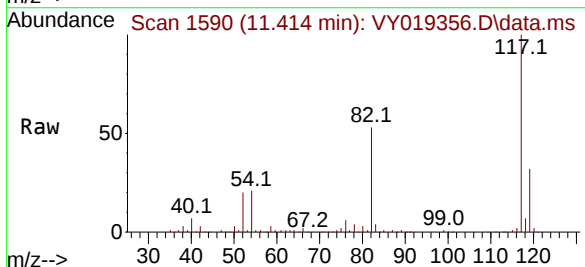
Instrument :
MSVOA_Y
ClientSampleId :

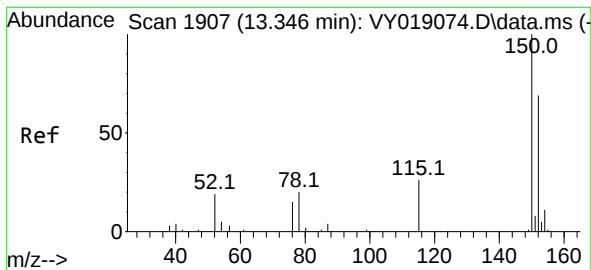
Tgt Ion: 95 Resp: 117342
Ion Ratio Lower Upper
95 100
174 87.5 0.0 175.6
176 85.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019356.D
Acq: 29 Aug 2024 04:16

Tgt Ion: 117 Resp: 301339
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 31.8 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: VY019356.D

Acq: 29 Aug 2024 04:16

Instrument :

MSVOA_Y

ClientSampleId :

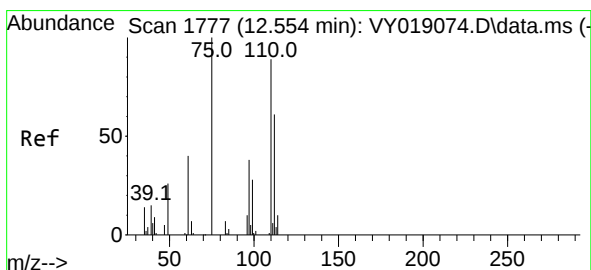
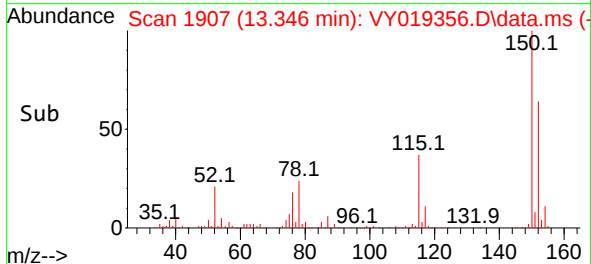
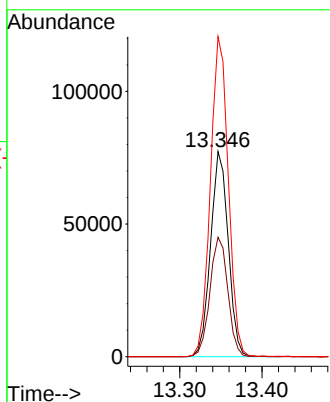
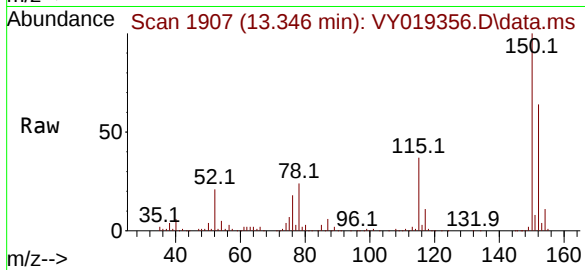
Tgt Ion:152 Resp: 115204

Ion Ratio Lower Upper

152 100

115 59.1 28.2 84.7

150 158.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.060 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019356.D

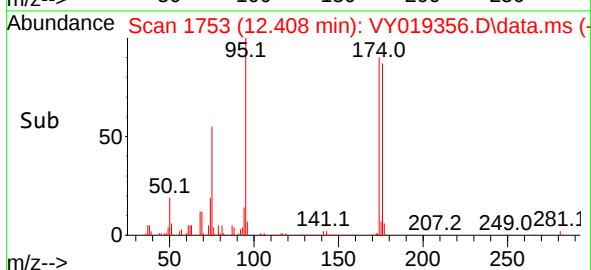
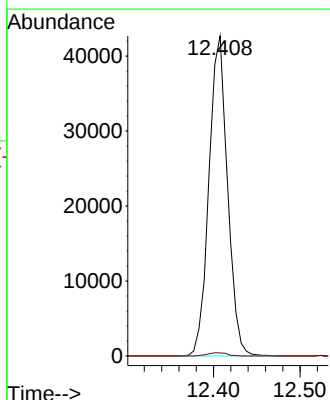
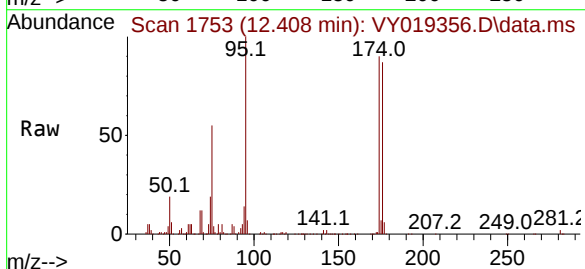
Acq: 29 Aug 2024 04:16

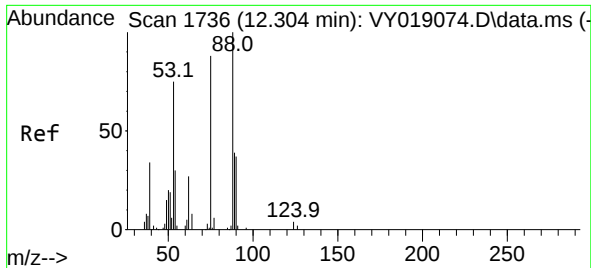
Tgt Ion: 75 Resp: 63691

Ion Ratio Lower Upper

75 100

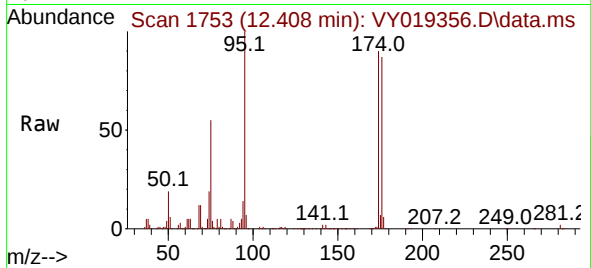
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.450 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019356.D
 Acq: 29 Aug 2024 04:16

Instrument :
 MSVOA_Y
 ClientSampleId :



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

