

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102824\
 Data File : VY020042.D
 Acq On : 28 Oct 2024 16:28
 Operator : SY/MD
 Sample : P4561-07
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 29 01:59:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

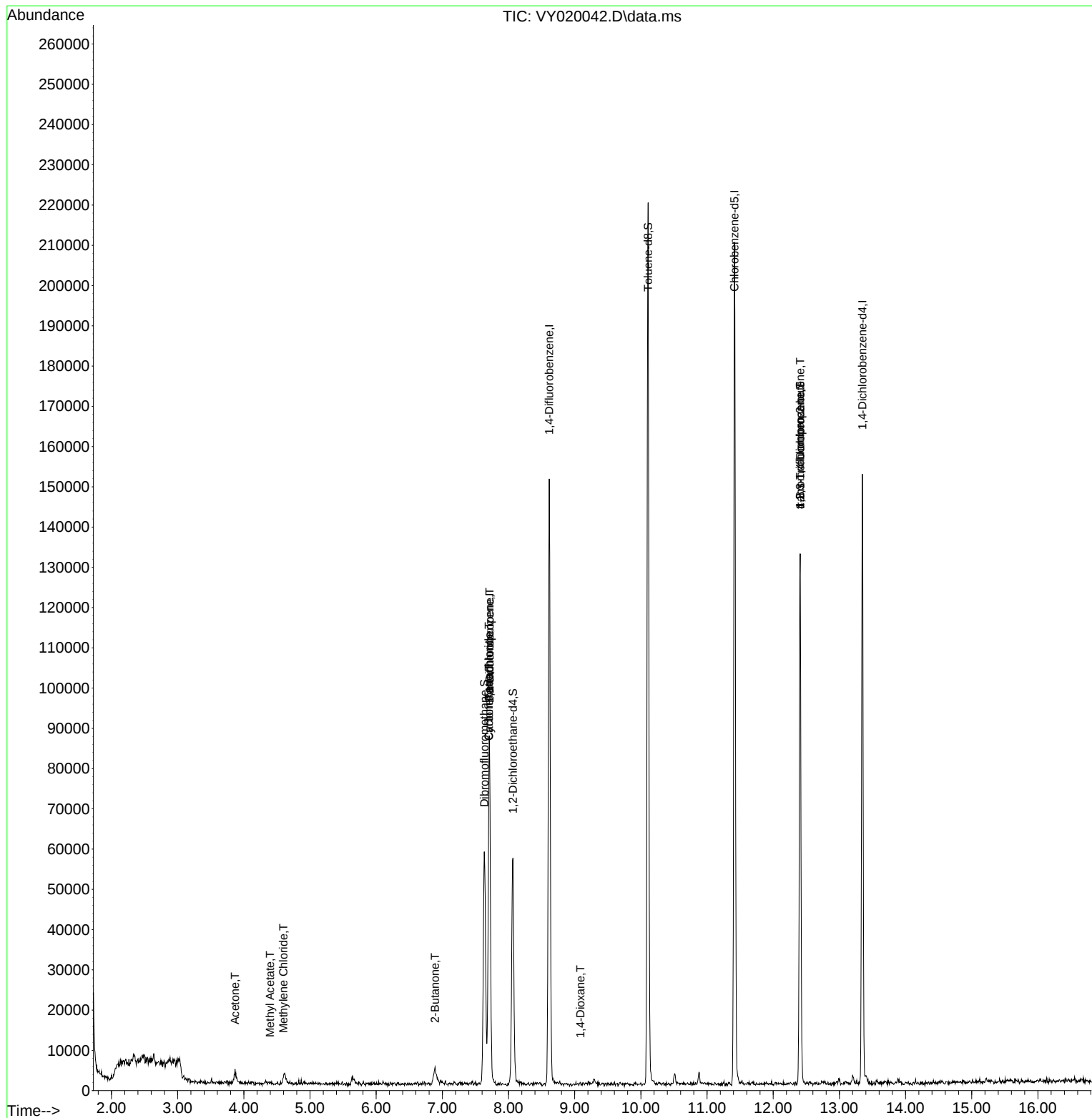
Internal Standards						
1) Pentafluorobenzene	7.713	168	59608	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	116923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	103231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	33342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	44366	60.448	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.900%			
35) Dibromofluoromethane	7.634	113	40851	52.946	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.900%			
50) Toluene-d8	10.109	98	140385	49.270	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.540%			
62) 4-Bromofluorobenzene	12.408	95	40431	39.271	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 78.540%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.830	59	318	Below Cal	#	88
16) Acetone	3.866	43	4690	24.547	ug/l #	80
18) Methyl Acetate	4.397	43	437	1.062	ug/l #	46
20) Methylene Chloride	4.598	84	1603	1.488	ug/l #	64
25) 2-Butanone	6.890	43	700	2.737	ug/l #	41
31) Cyclohexane	7.701	56	1906	1.554	ug/l #	45
36) 1,1-Dichloropropene	7.713	75	6256	5.628	ug/l #	51
38) Carbon Tetrachloride	7.701	117	6827	5.729	ug/l #	15
49) 1,4-Dioxane	9.085	88	45	8.740	ug/l #	20
76) 1,2,3-Trichloropropane	12.408	75	24567	37.612	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	24567	151.817	ug/l #	16

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

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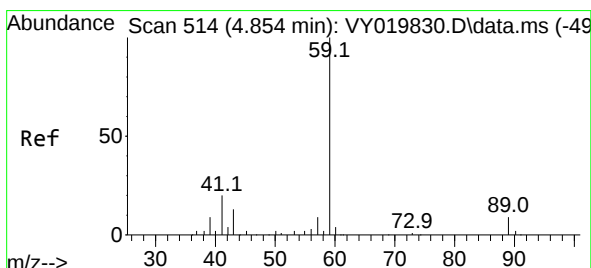
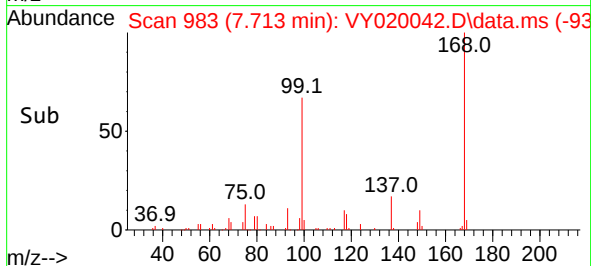
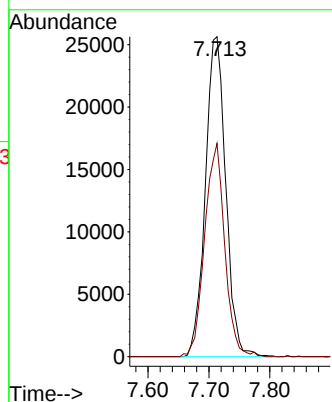
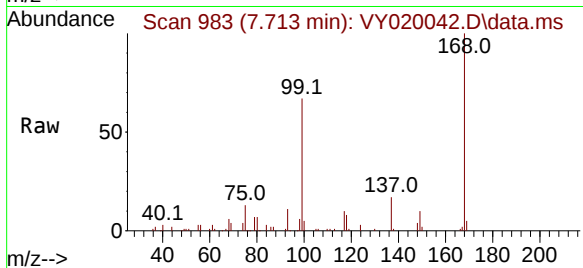




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

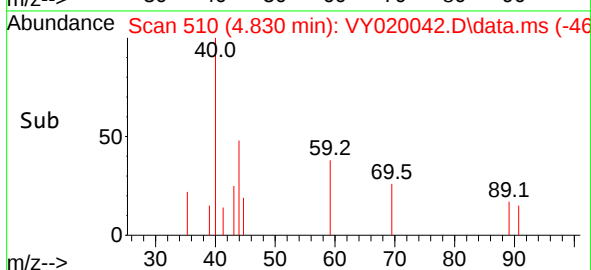
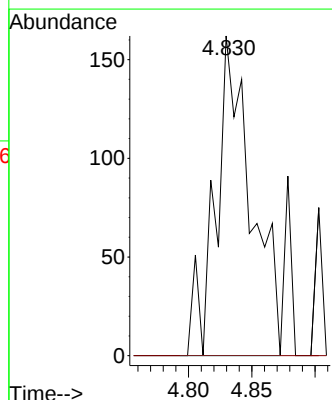
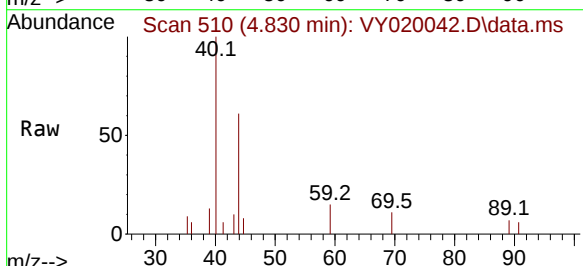
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 59608
Ion Ratio Lower Upper
168 100
99 66.6 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.830 min Scan# 510
Delta R.T. -0.030 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

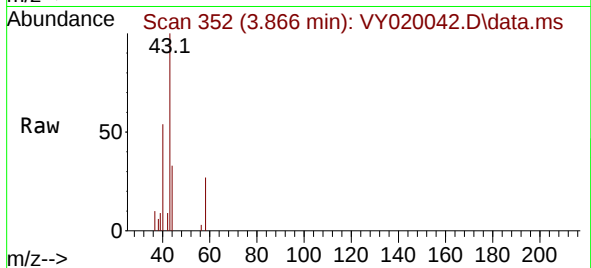
Tgt Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



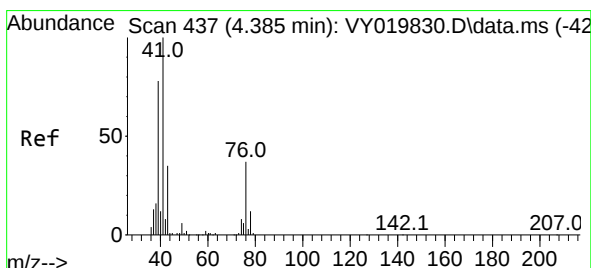
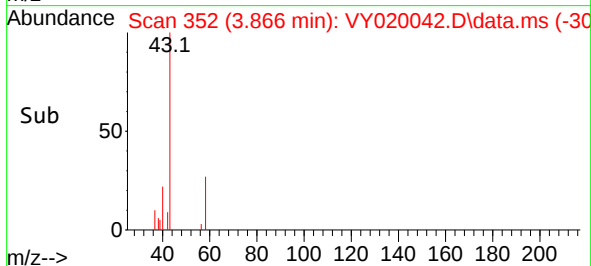
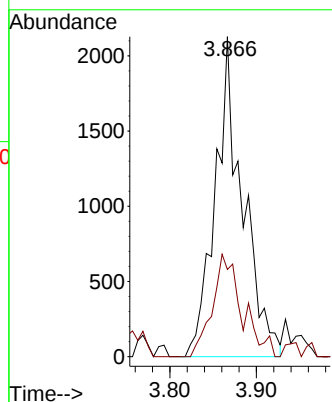


#16
Acetone
Concen: 24.547 ug/l
RT: 3.866 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :

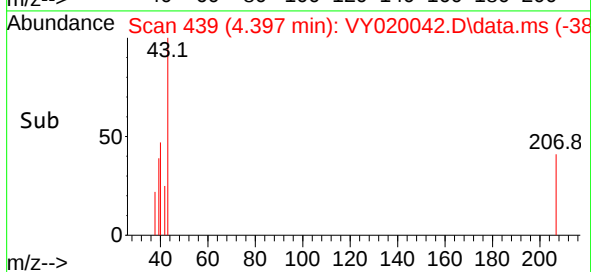
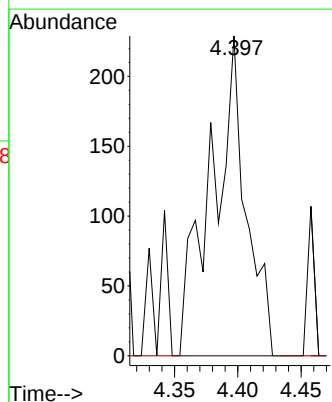
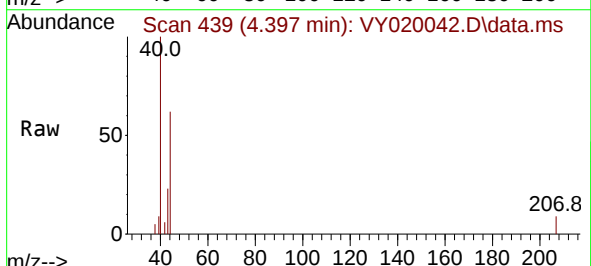


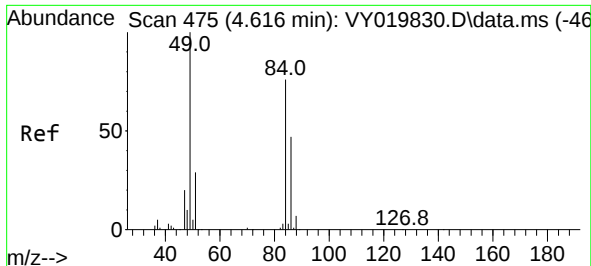
Tgt Ion: 43 Resp: 4690
Ion Ratio Lower Upper
43 100
58 27.3 31.7 47.5#



#18
Methyl Acetate
Concen: 1.062 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.013 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

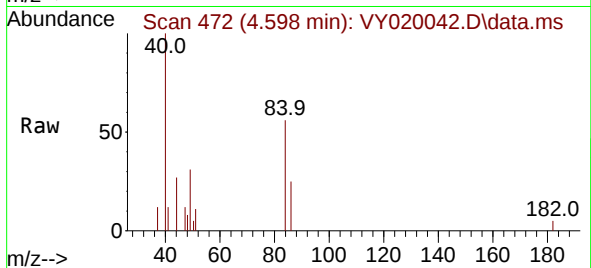
Tgt Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



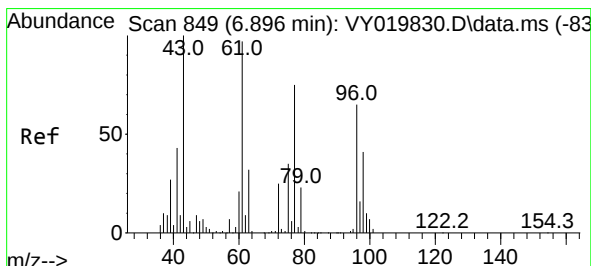
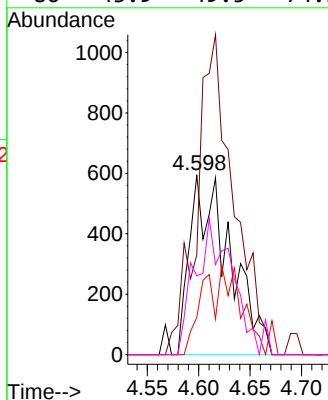
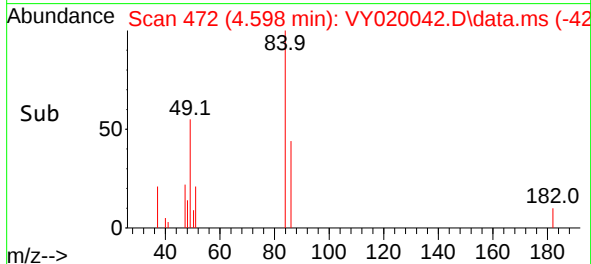


#20
Methylene Chloride
Concen: 1.488 ug/l
RT: 4.598 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :

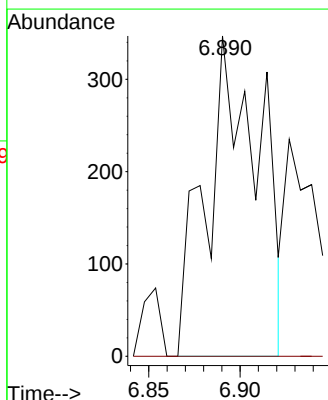
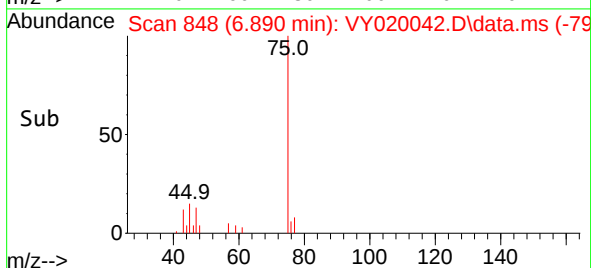
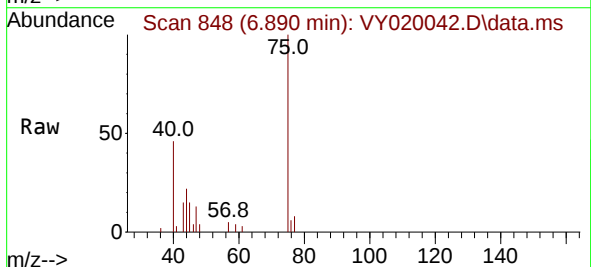


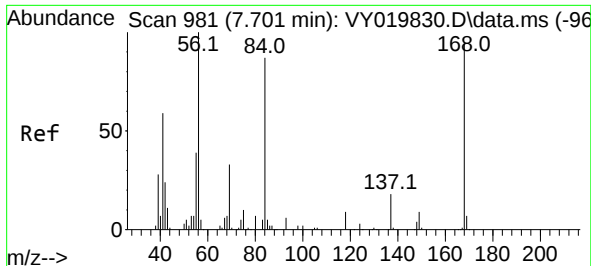
Tgt Ion:	84	Resp:	1603
Ion	Ratio	Lower	Upper
84	100		
49	55.5	84.4	126.6#
51	20.5	26.0	39.0#
86	43.9	49.5	74.3#



#25
2-Butanone
Concen: 2.737 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

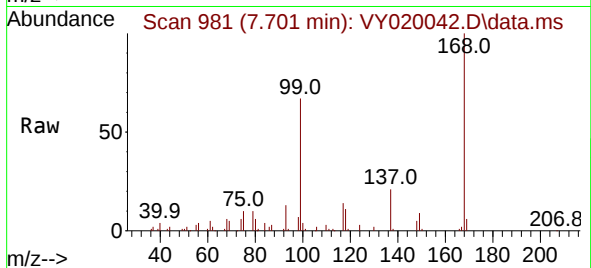
Tgt Ion:	43	Resp:	700
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#



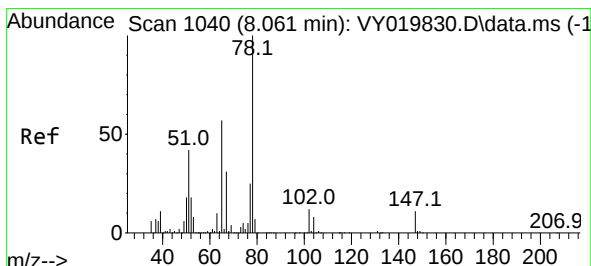
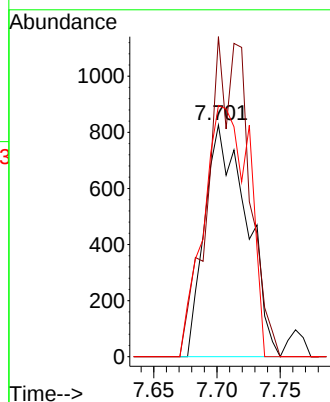
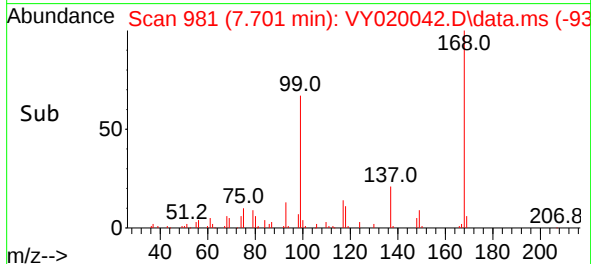


#31
Cyclohexane
Concen: 1.554 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

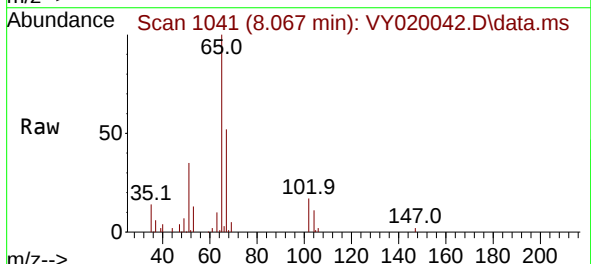
Instrument :
MSVOA_Y
ClientSampleId :



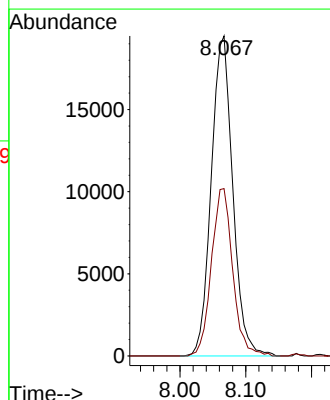
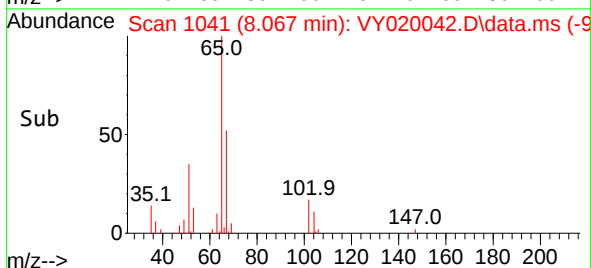
Tgt Ion: 56 Resp: 1906
Ion Ratio Lower Upper
56 100
69 138.1 28.7 43.1#
84 108.5 77.7 116.5

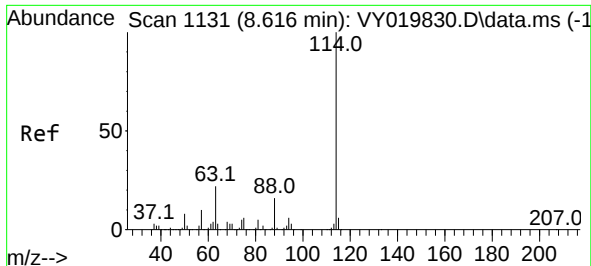


#33
1,2-Dichloroethane-d4
Concen: 60.448 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28



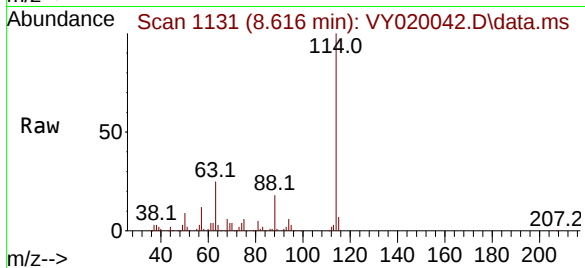
Tgt Ion: 65 Resp: 44366
Ion Ratio Lower Upper
65 100
67 51.7 0.0 109.6



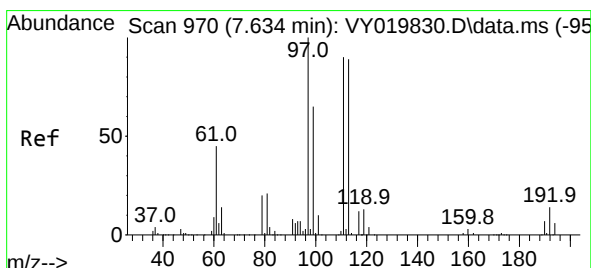
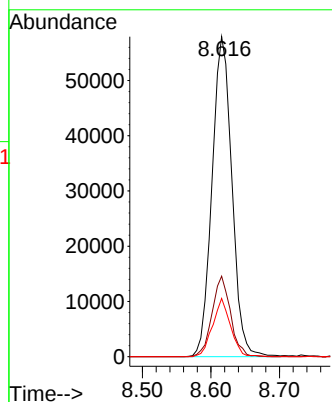
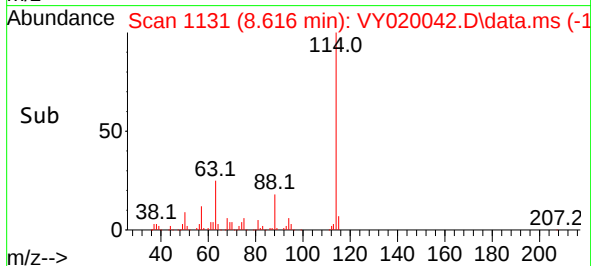


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :

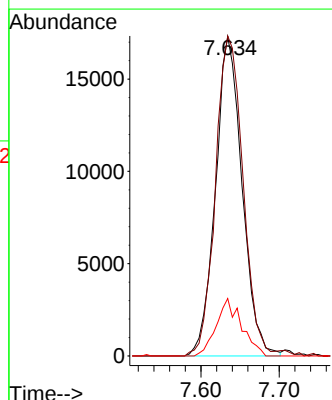
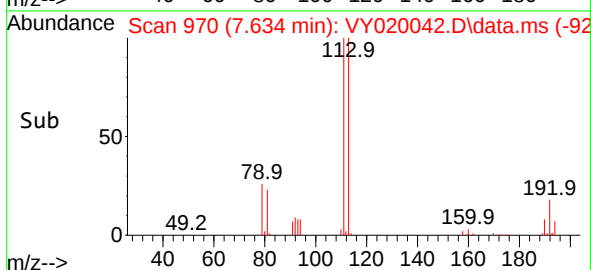
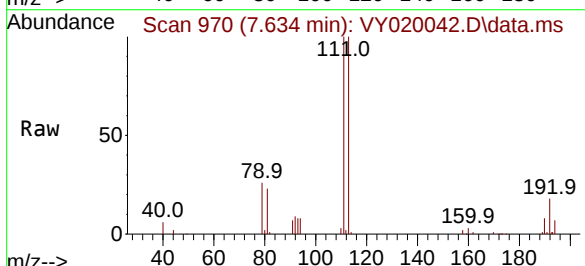


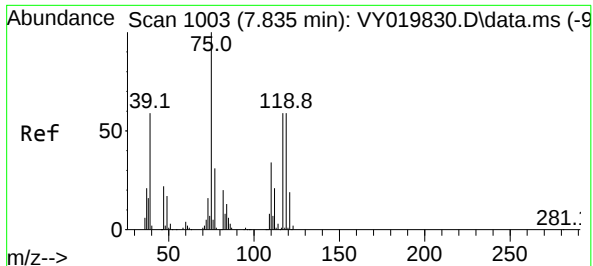
Tgt Ion:114 Resp: 116923
Ion Ratio Lower Upper
114 100
63 25.2 0.0 35.0
88 18.2 0.0 27.2



#35
Dibromofluoromethane
Concen: 52.946 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

Tgt Ion:113 Resp: 40851
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 17.1 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.628 ug/l

RT: 7.713 min Scan# 90

Delta R.T. -0.122 min

Lab File: VY020042.D

Acq: 28 Oct 2024 16:28

Instrument :

MSVOA_Y

ClientSampleId :

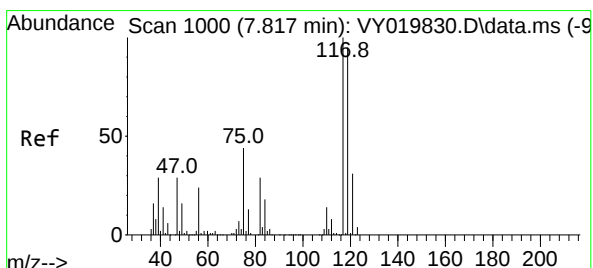
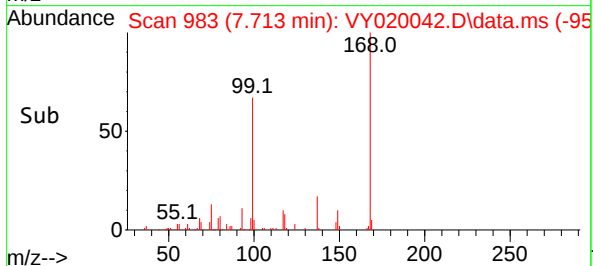
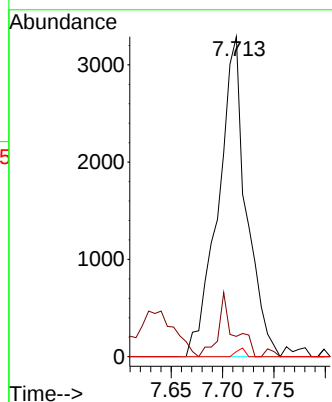
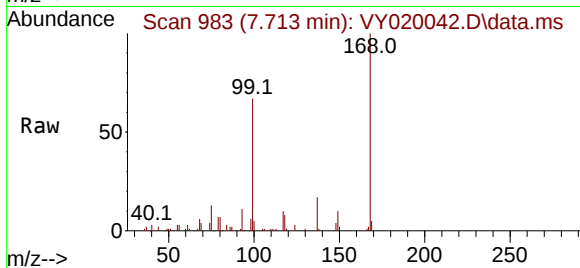
Tgt Ion: 75 Resp: 6256

Ion Ratio Lower Upper

75 100

110 11.2 19.0 57.0#

77 0.8 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.729 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.115 min

Lab File: VY020042.D

Acq: 28 Oct 2024 16:28

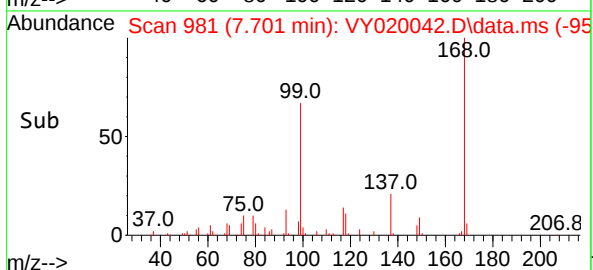
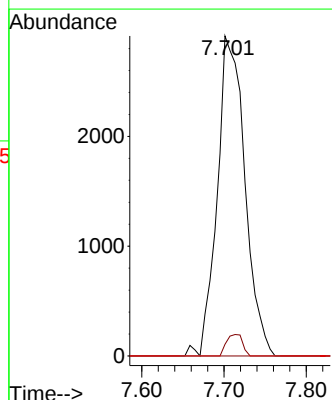
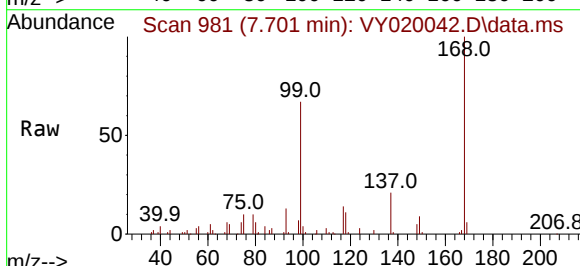
Tgt Ion: 117 Resp: 6827

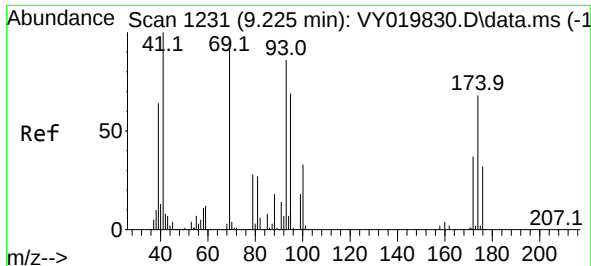
Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.6#

121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 8.740 ug/l

RT: 9.085 min Scan# 11

Delta R.T. -0.146 min

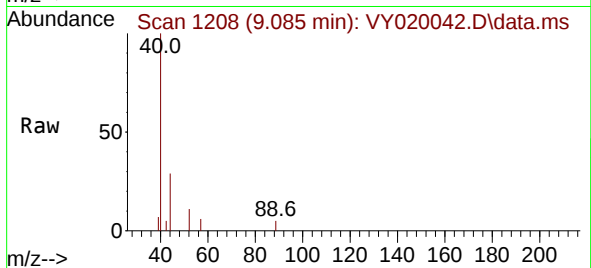
Lab File: VY020042.D

Acq: 28 Oct 2024 16:28

Instrument :

MSVOA_Y

ClientSampleId :



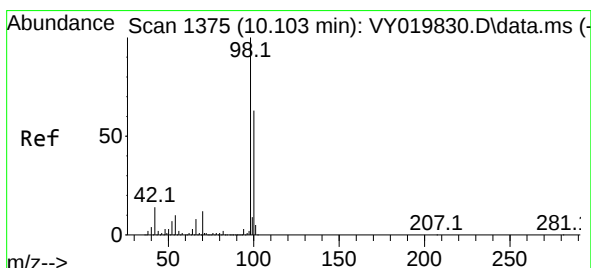
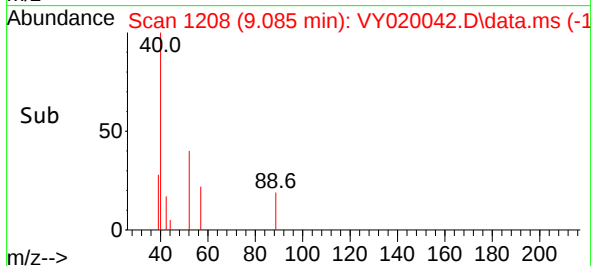
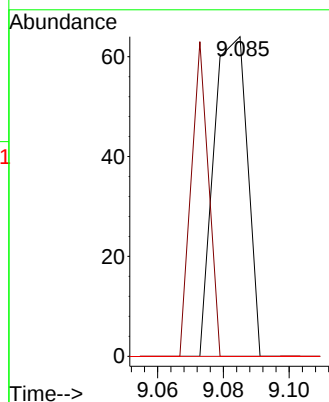
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 49.270 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020042.D

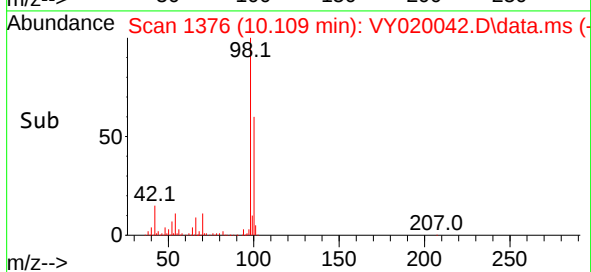
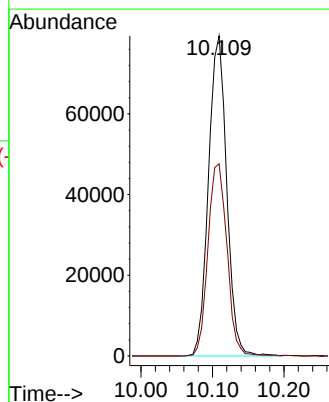
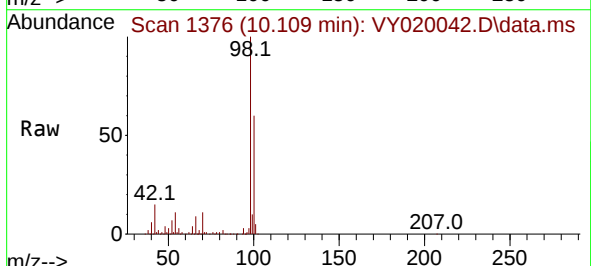
Acq: 28 Oct 2024 16:28

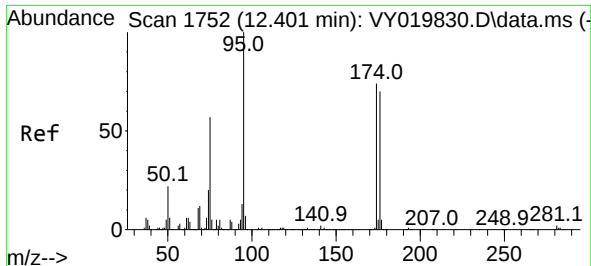
Tgt Ion: 98 Resp: 140385

Ion Ratio Lower Upper

98 100

100 62.7 52.0 78.0

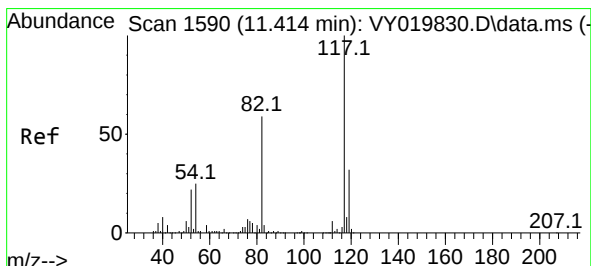
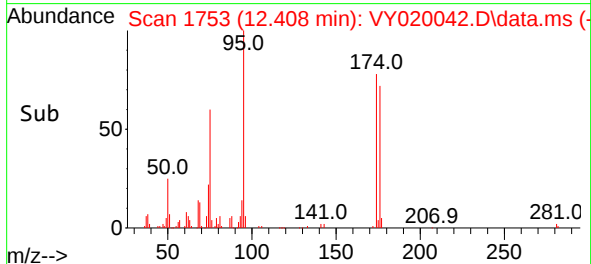
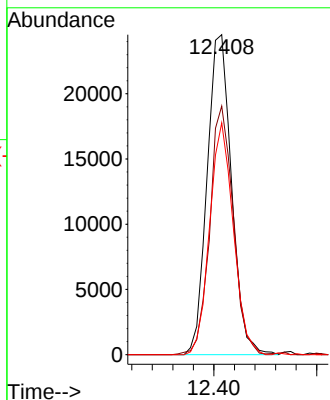
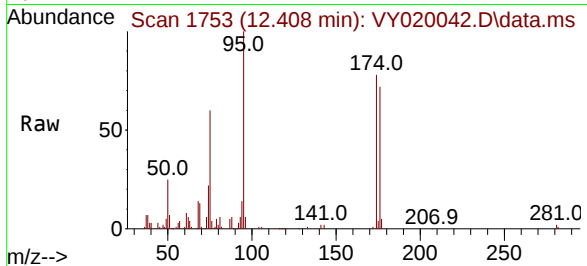




#62
4-Bromofluorobenzene
Concen: 39.271 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

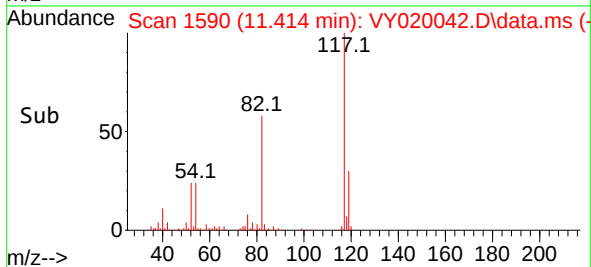
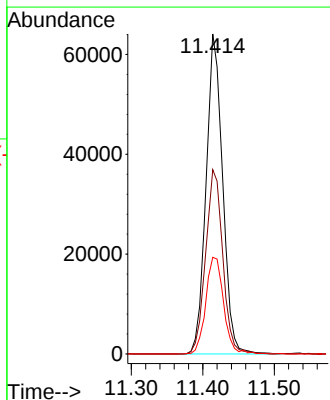
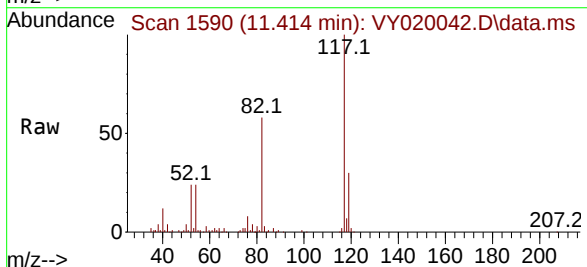
Instrument :
MSVOA_Y
ClientSampleId :

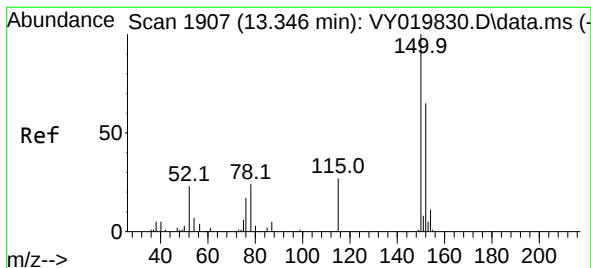
Tgt Ion: 95 Resp: 40431
Ion Ratio Lower Upper
95 100
174 74.5 0.0 175.6
176 70.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020042.D
Acq: 28 Oct 2024 16:28

Tgt Ion: 117 Resp: 103231
Ion Ratio Lower Upper
117 100
82 57.6 42.4 63.6
119 30.2 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: VY020042.D

Acq: 28 Oct 2024 16:28

Instrument :

MSVOA_Y

ClientSampleId :

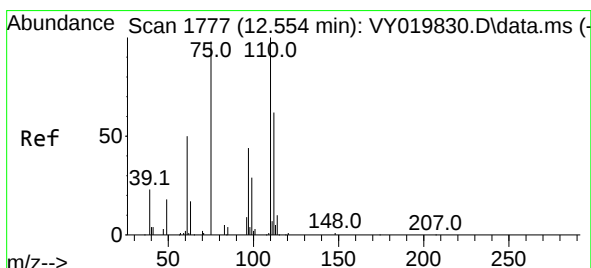
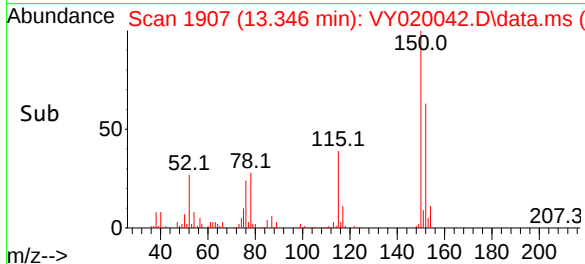
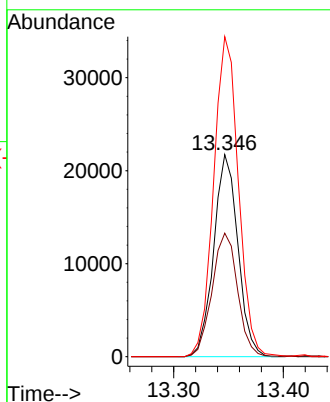
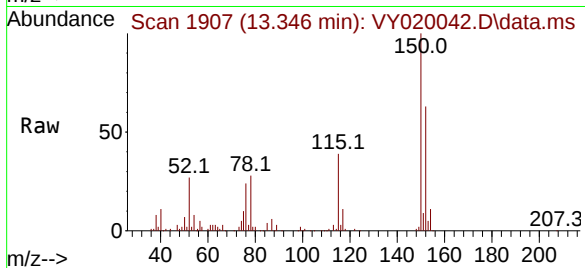
Tgt Ion:152 Resp: 33342

Ion Ratio Lower Upper

152 100

115 64.5 28.2 84.7

150 161.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 37.612 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY020042.D

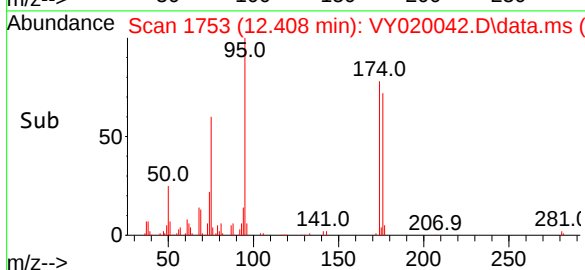
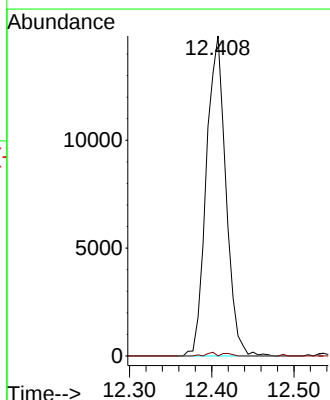
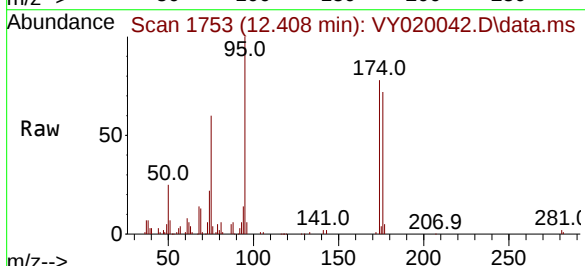
Acq: 28 Oct 2024 16:28

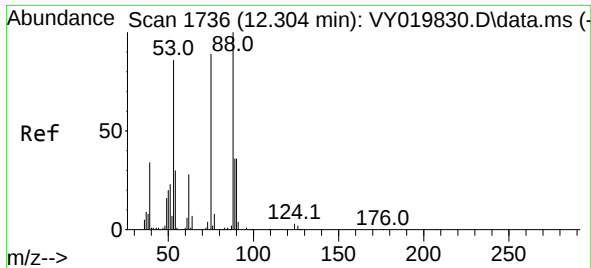
Tgt Ion: 75 Resp: 24567

Ion Ratio Lower Upper

75 100

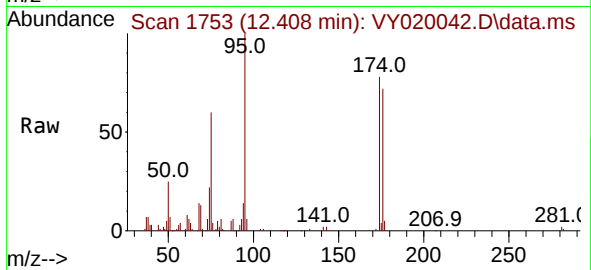
77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.817 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY020042.D
 Acq: 28 Oct 2024 16:28

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.4	66.8	100.2#
89	0.3	35.8	53.6#

