

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019229.D
 Acq On : 22 Aug 2024 18:46
 Operator : SY/MD
 Sample : P3671-13
 Misc : 2.87g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 01:56:38 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)

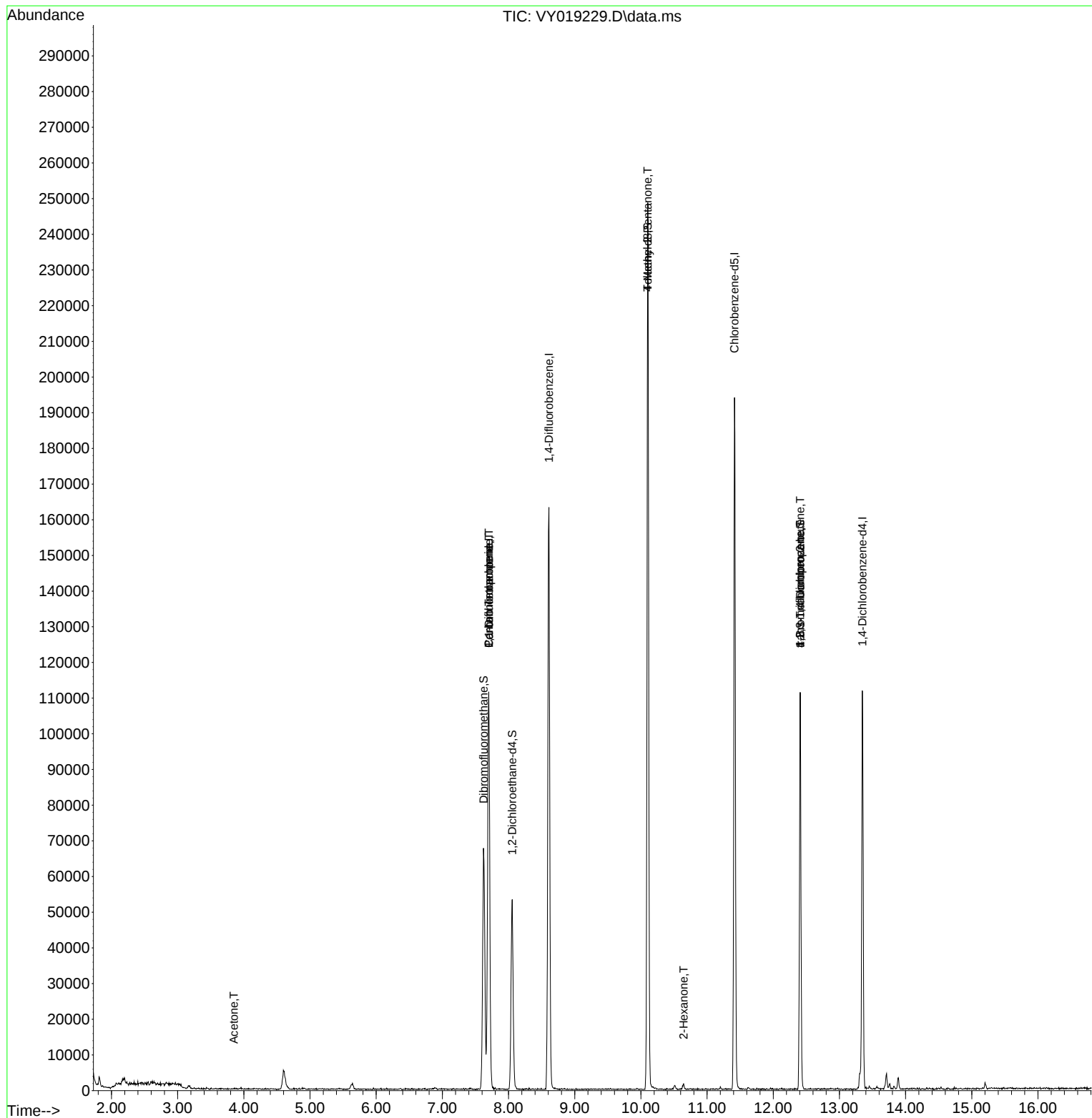
Internal Standards						
1) Pentafluorobenzene	7.701	168	85924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	144093	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	107645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	27279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	41252	47.894	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.780%
35) Dibromofluoromethane	7.622	113	46507	49.362	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.720%
50) Toluene-d8	10.103	98	159049	46.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.820%
62) 4-Bromofluorobenzene	12.408	95	31756	27.475	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	54.940%
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	126	Below Cal	#	45
6) Chloroethane	2.684	64	63	Below Cal	#	42
11) Tert butyl alcohol	4.836	59	143	Below Cal	#	88
16) Acetone	3.848	43	336	2.103	ug/l #	36
20) Methylene Chloride	4.604	84	3992	Below Cal		90
31) Cyclohexane	7.695	56	1638	Below Cal	#	24
36) 1,1-Dichloropropene	7.701	75	6584	5.089	ug/l #	48
38) Carbon Tetrachloride	7.701	117	8313	5.544	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	657	1.068	ug/l #	1
59) 2-Hexanone	10.646	43	440	1.041	ug/l #	19
76) 1,2,3-Trichloropropane	12.408	75	17817	66.229	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	17817	163.564	ug/l #	16

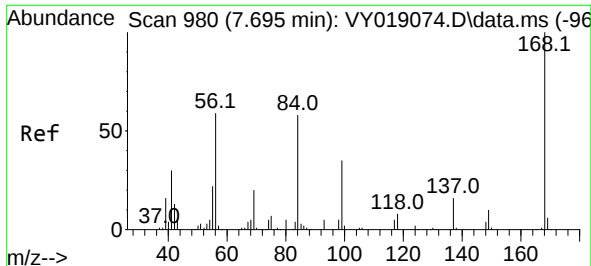
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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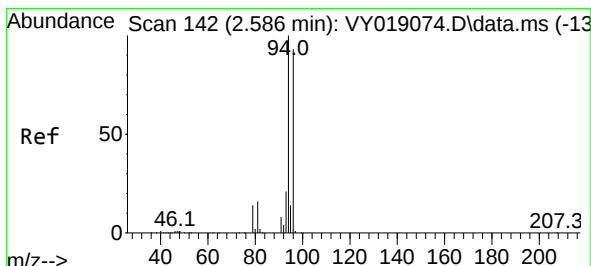
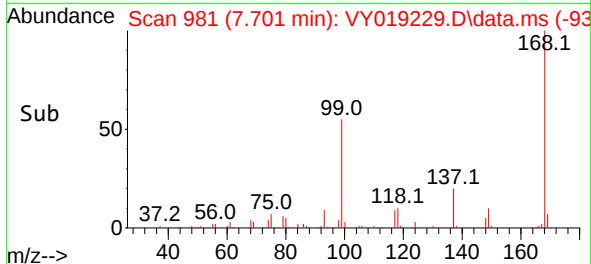
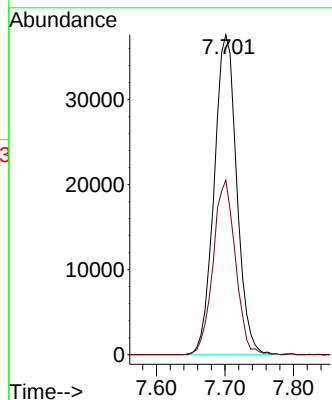
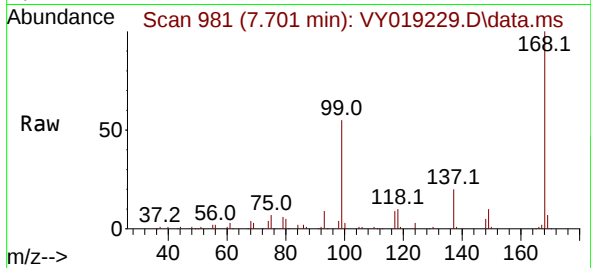




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

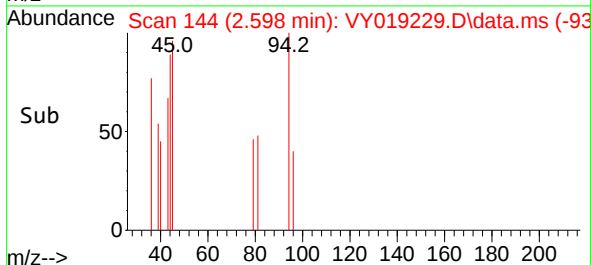
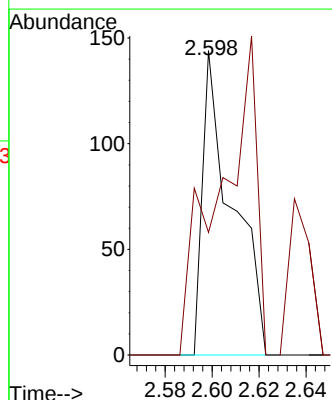
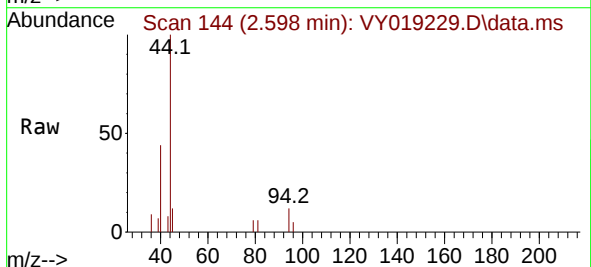
Instrument :
MSVOA_Y
ClientSampleId :

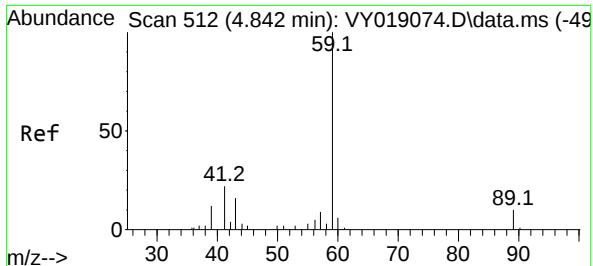
Tgt Ion:168 Resp: 85924
Ion Ratio Lower Upper
168 100
99 54.6 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 40.3 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.836 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY019229.D

Acq: 22 Aug 2024 18:46

Instrument :

MSVOA_Y

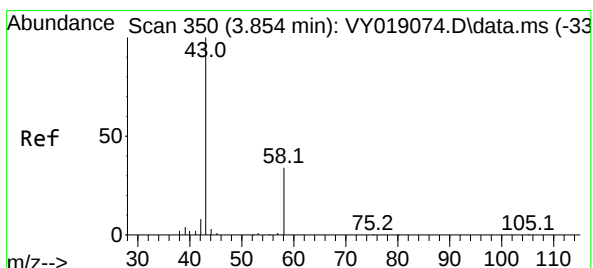
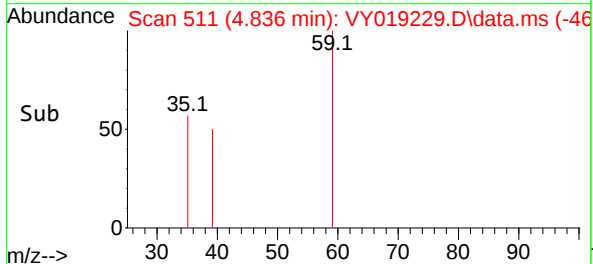
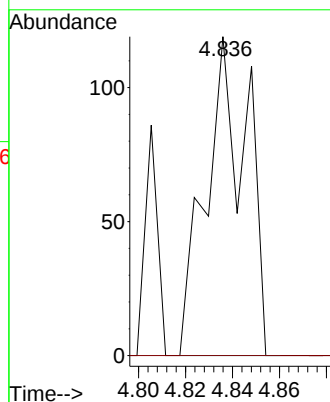
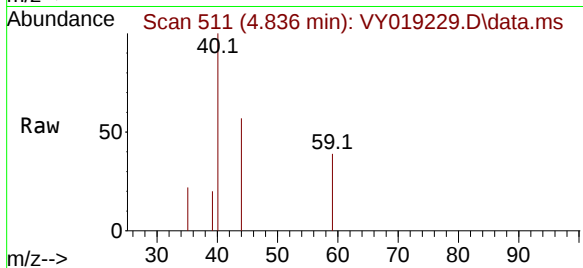
ClientSampleId :

Tgt Ion: 59 Resp: 143

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 2.103 ug/l

RT: 3.848 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY019229.D

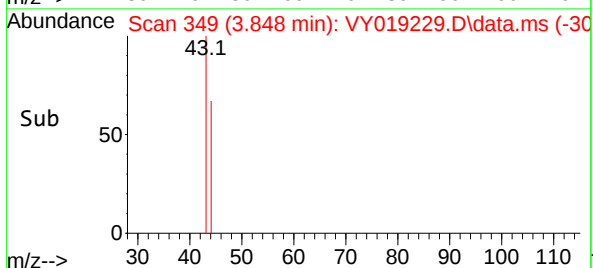
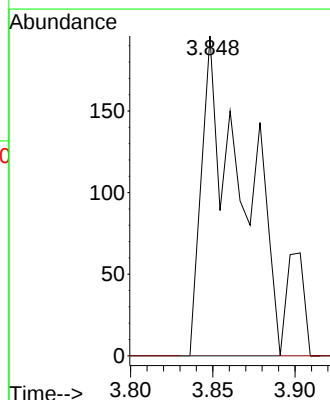
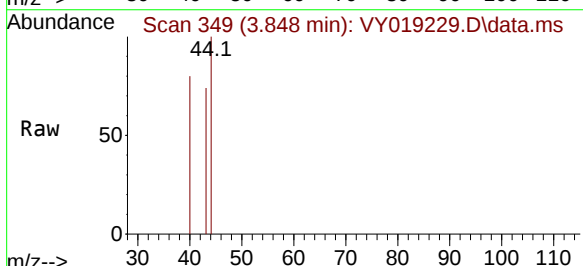
Acq: 22 Aug 2024 18:46

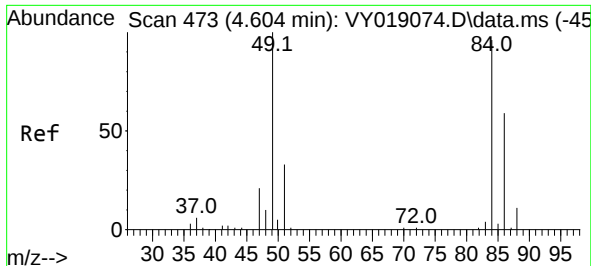
Tgt Ion: 43 Resp: 336

Ion Ratio Lower Upper

43 100

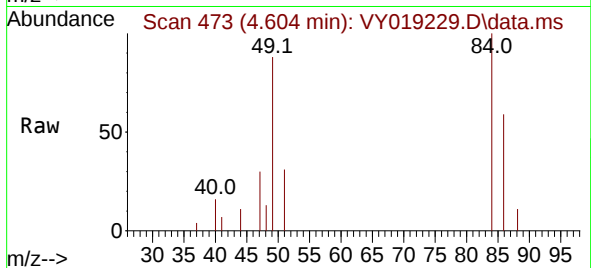
58 0.0 31.7 47.5#



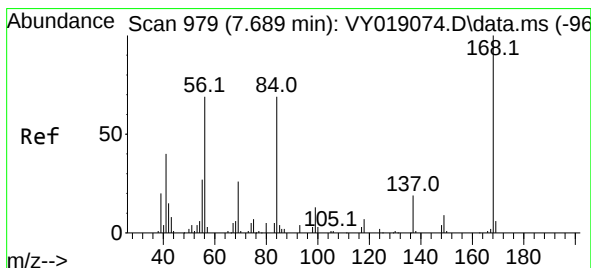
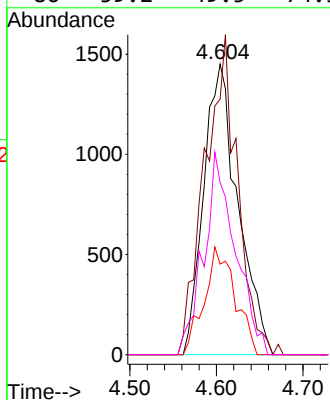


#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

Instrument :
MSVOA_Y
ClientSampleId :

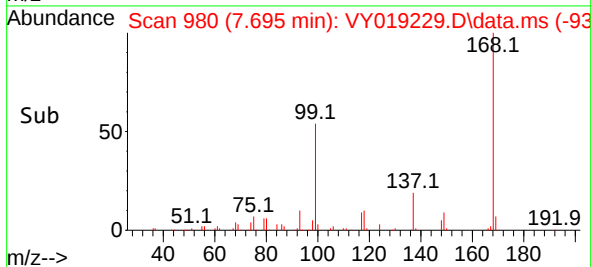
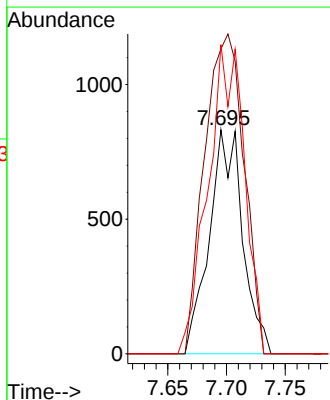
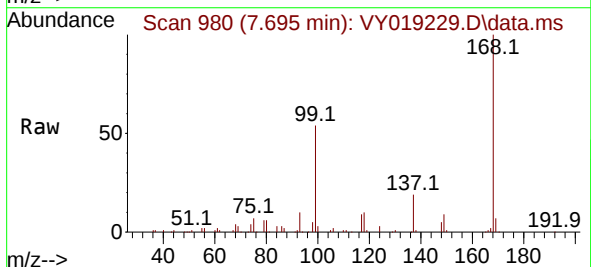


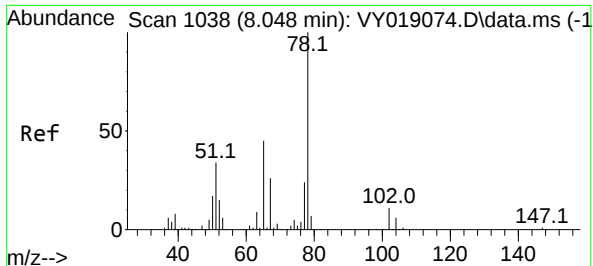
Tgt Ion:	84	Resp:	3992
Ion	Ratio	Lower	Upper
84	100		
49	88.0	84.4	126.6
51	31.2	26.0	39.0
86	59.2	49.5	74.3



#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

Tgt Ion:	56	Resp:	1638
Ion	Ratio	Lower	Upper
56	100		
69	136.1	28.7	43.1#
84	138.0	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 47.894 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019229.D

Acq: 22 Aug 2024 18:46

Instrument :

MSVOA_Y

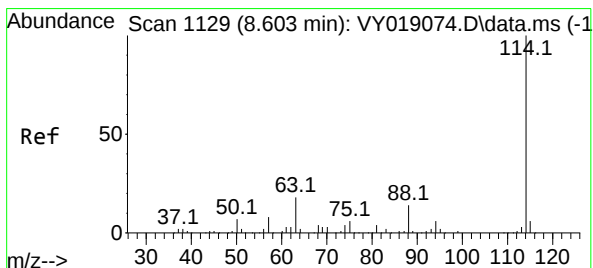
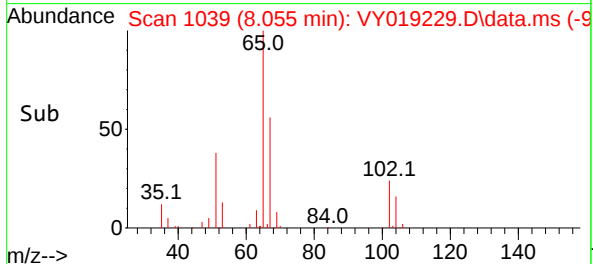
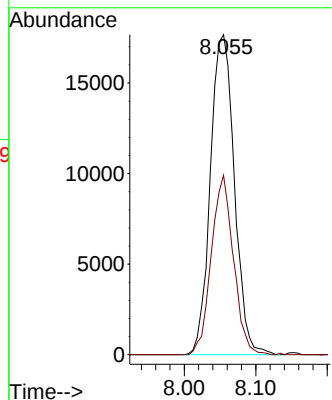
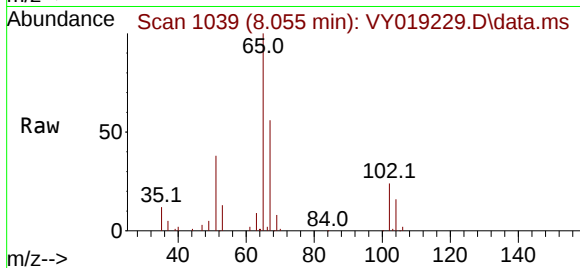
ClientSampleId :

Tgt Ion: 65 Resp: 41252

Ion Ratio Lower Upper

65 100

67 51.6 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: VY019229.D

Acq: 22 Aug 2024 18:46

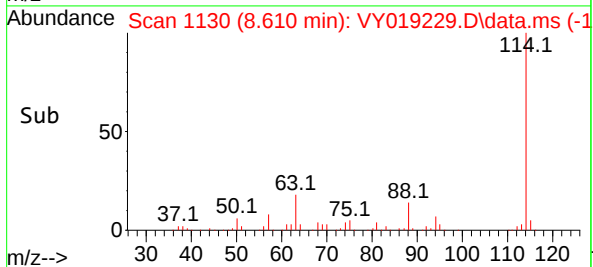
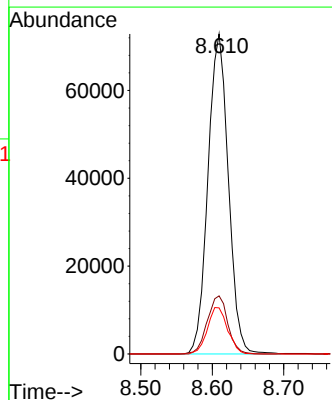
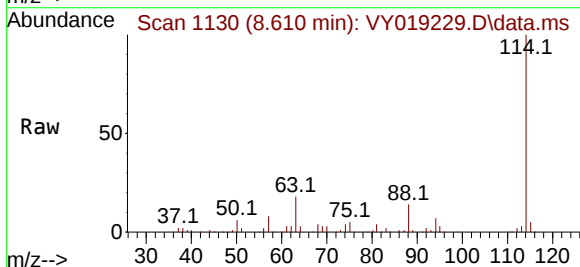
Tgt Ion: 114 Resp: 144093

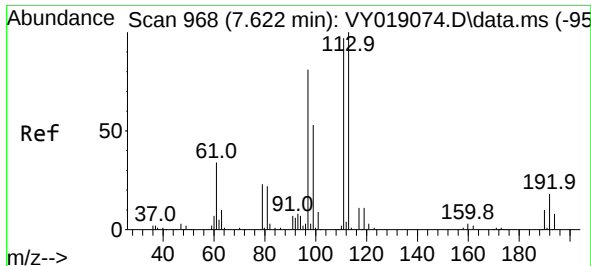
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

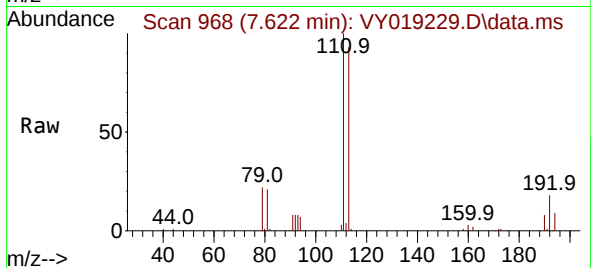
88 14.4 0.0 27.2



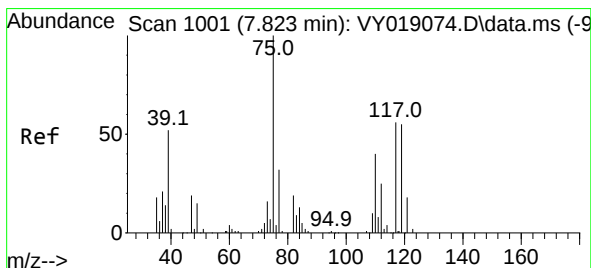
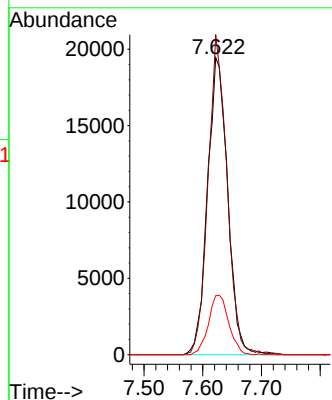
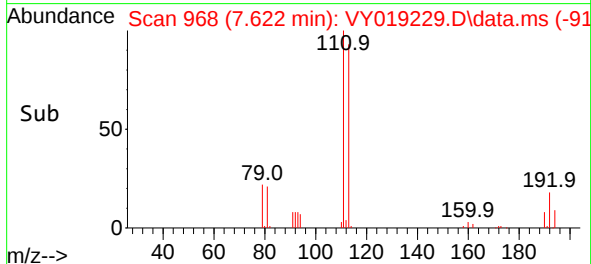


#35
Dibromofluoromethane
Concen: 49.362 ug/l
RT: 7.622 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

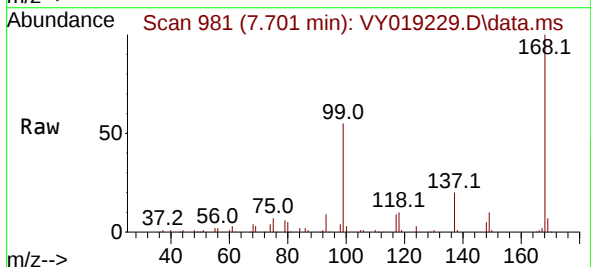
Instrument :
MSVOA_Y
ClientSampleId :



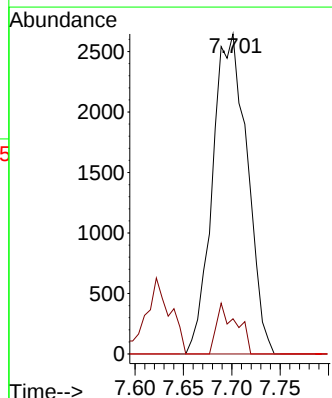
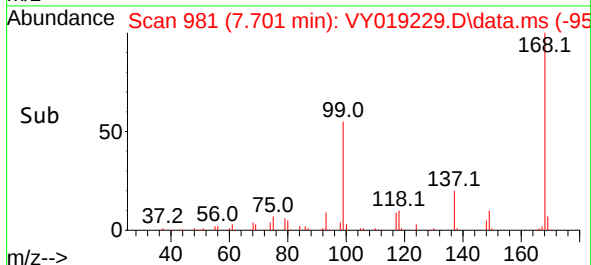
Tgt Ion:113 Resp: 46507
Ion Ratio Lower Upper
113 100
111 100.6 82.2 123.4
192 20.1 15.9 23.9

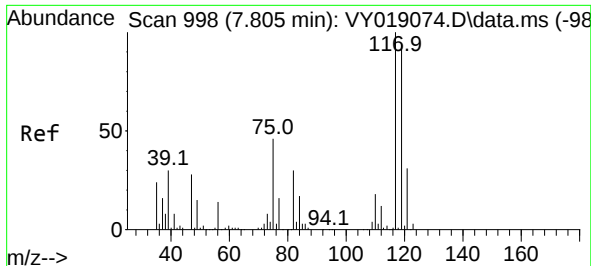


#36
1,1-Dichloropropene
Concen: 5.089 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46



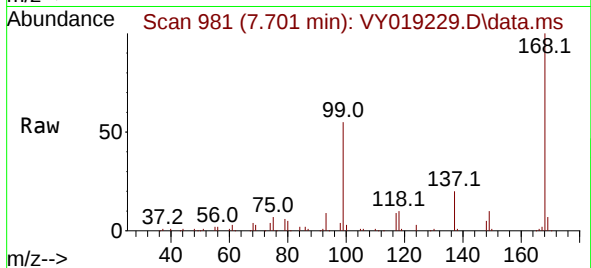
Tgt Ion: 75 Resp: 6584
Ion Ratio Lower Upper
75 100
110 9.1 19.0 57.0#
77 0.0 25.3 37.9#



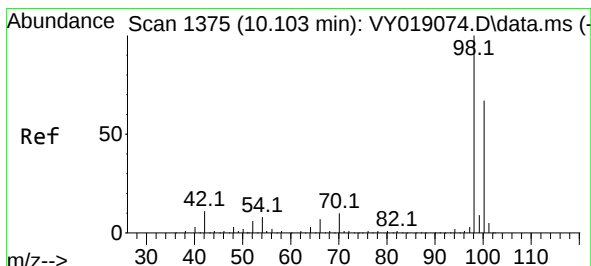
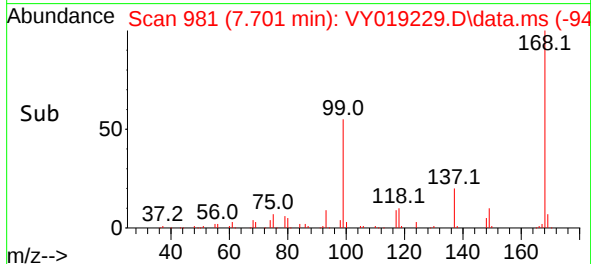
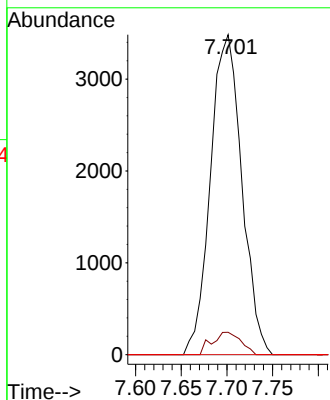


#38
Carbon Tetrachloride
Concen: 5.544 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

Instrument :
MSVOA_Y
ClientSampleId :

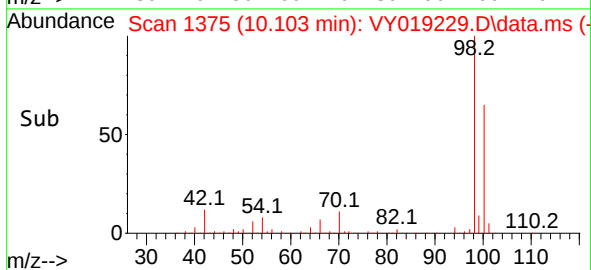
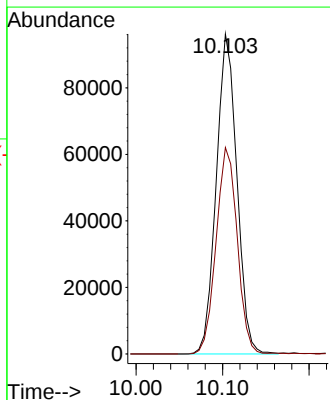
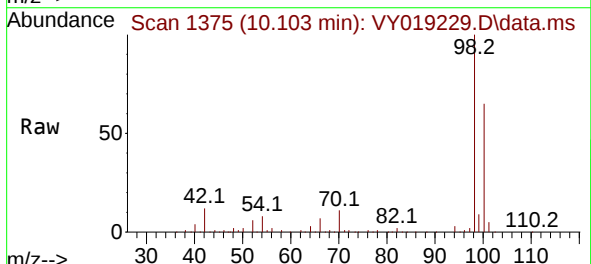


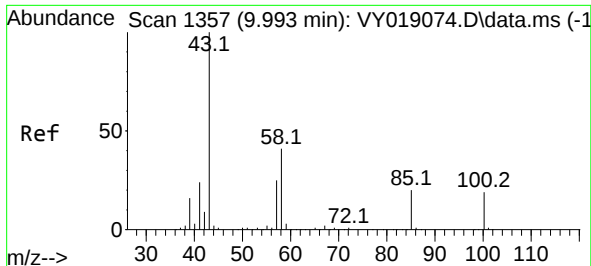
Tgt Ion:117 Resp: 8313
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.910 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

Tgt Ion: 98 Resp: 159049
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0

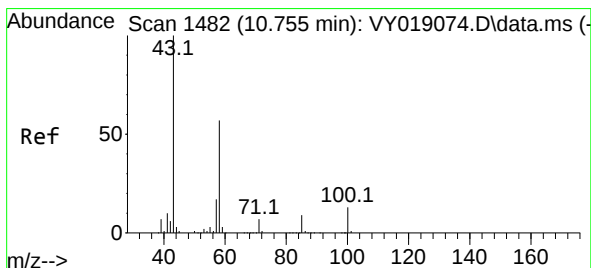
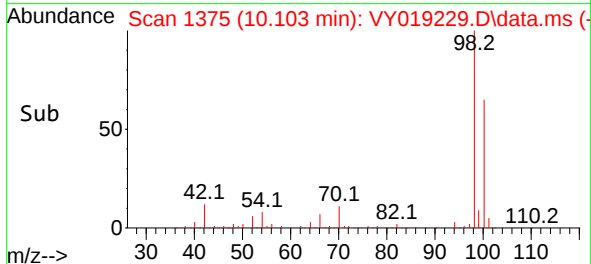
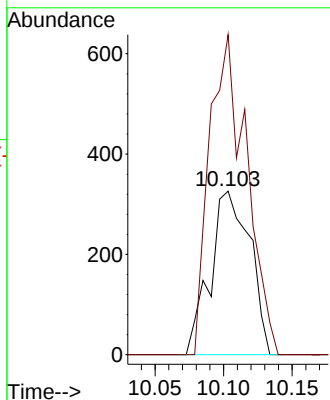
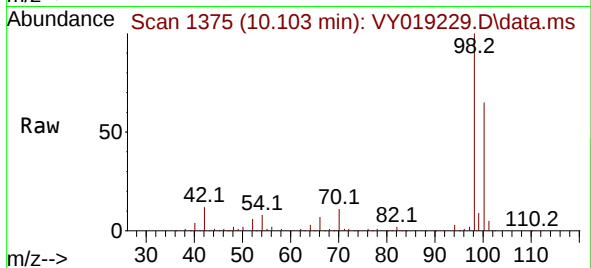




#51
4-Methyl-2-Pentanone
Concen: 1.068 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

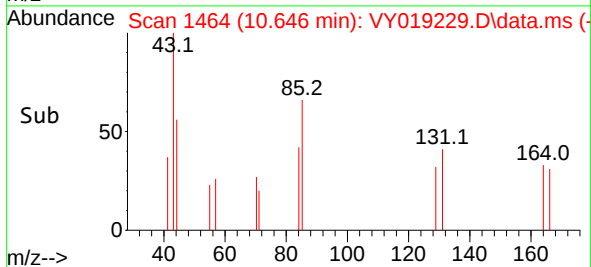
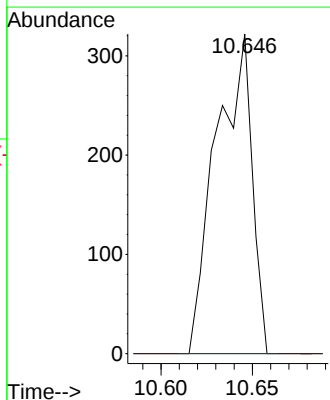
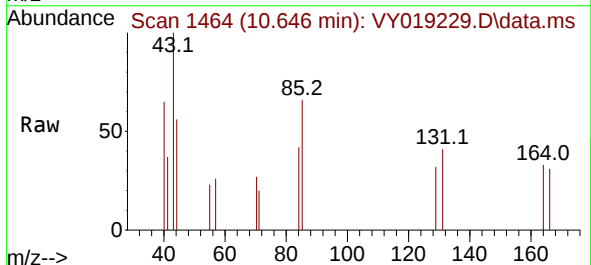
Instrument :
MSVOA_Y
ClientSampleId :

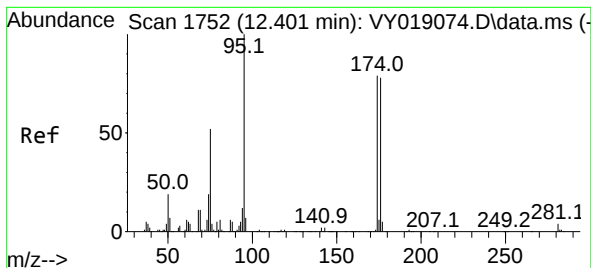
Tgt Ion: 43 Resp: 657
Ion Ratio Lower Upper
43 100
58 182.6 35.7 53.5#



#59
2-Hexanone
Concen: 1.041 ug/l
RT: 10.646 min Scan# 1464
Delta R.T. -0.109 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

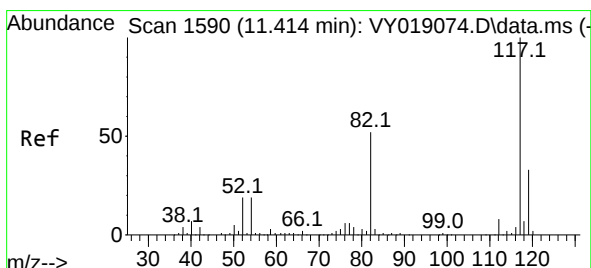
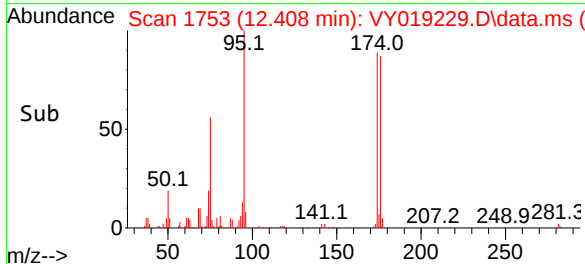
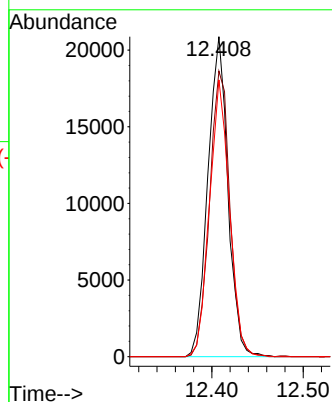
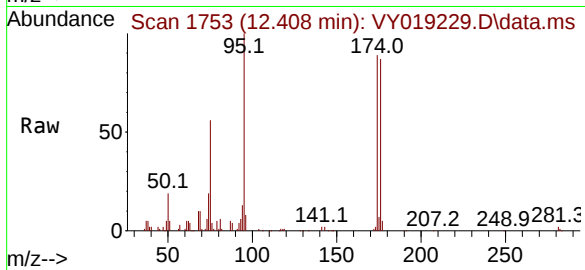




#62
4-Bromofluorobenzene
Concen: 27.475 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

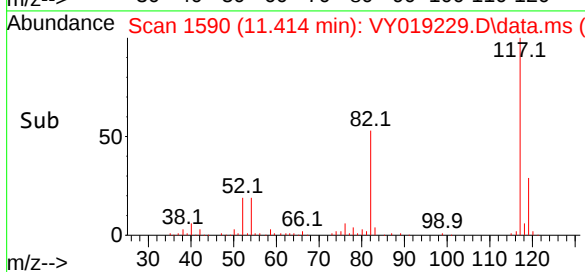
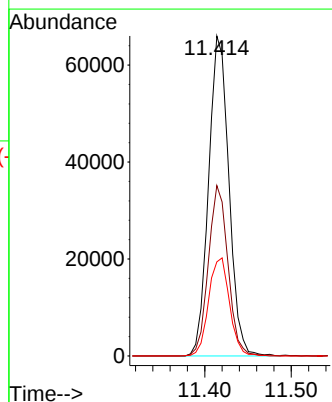
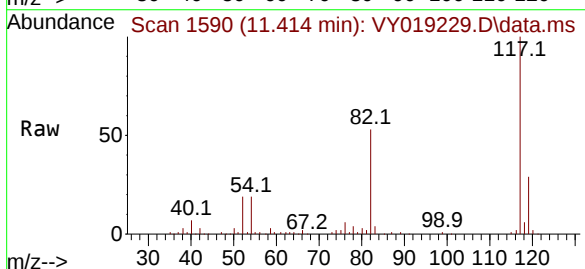
Instrument :
MSVOA_Y
ClientSampleId :

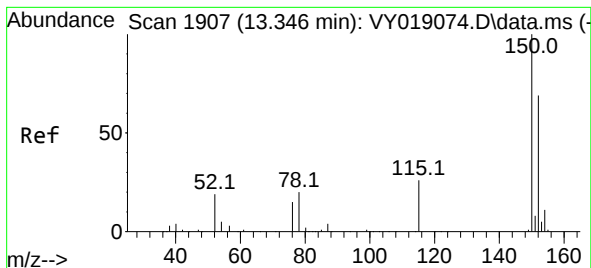
Tgt Ion: 95 Resp: 31756
Ion Ratio Lower Upper
95 100
174 90.7 0.0 175.6
176 86.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019229.D
Acq: 22 Aug 2024 18:46

Tgt Ion: 117 Resp: 107645
Ion Ratio Lower Upper
117 100
82 53.3 42.4 63.6
119 29.4 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: VY019229.D

Acq: 22 Aug 2024 18:46

Instrument :

MSVOA_Y

ClientSampleId :

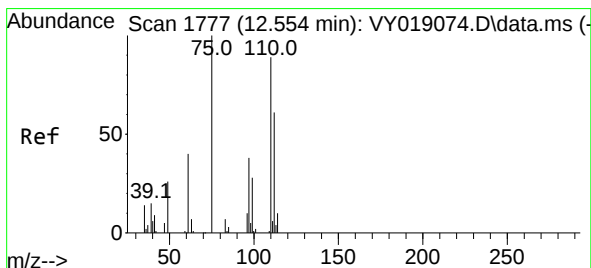
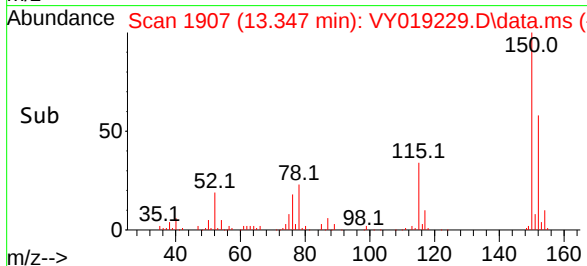
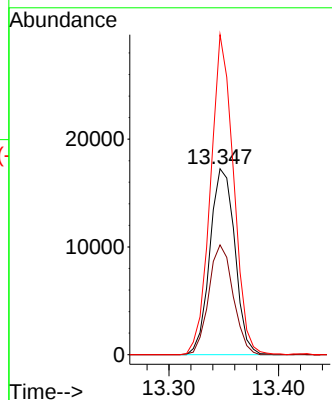
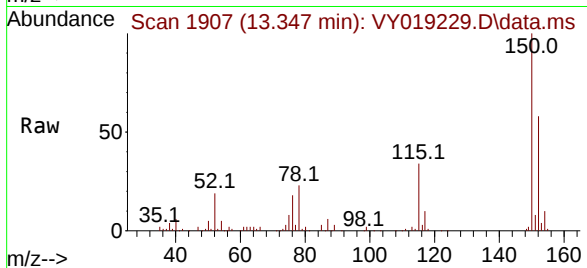
Tgt Ion:152 Resp: 27279

Ion Ratio Lower Upper

152 100

115 57.8 28.2 84.7

150 159.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 66.229 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019229.D

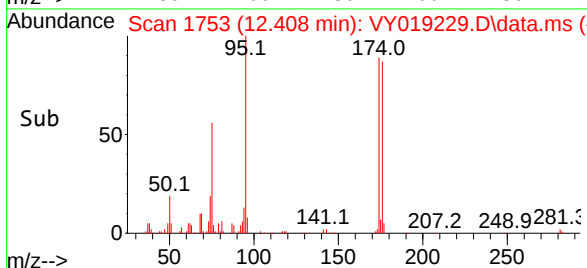
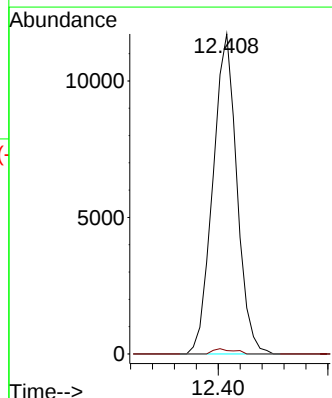
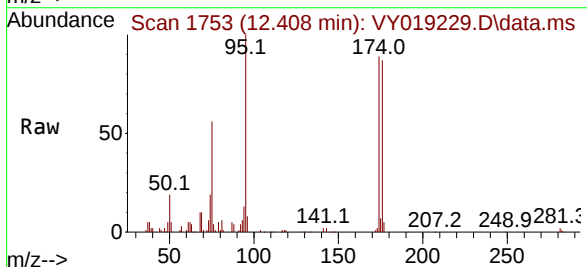
Acq: 22 Aug 2024 18:46

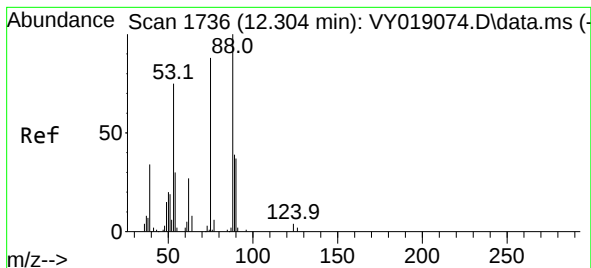
Tgt Ion: 75 Resp: 17817

Ion Ratio Lower Upper

75 100

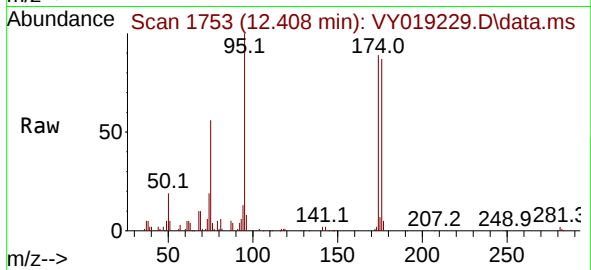
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.564 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019229.D
 Acq: 22 Aug 2024 18:46

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.3	35.8	53.6#

