

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082824\
 Data File : VY019329.D
 Acq On : 28 Aug 2024 14:46
 Operator : SY/MD
 Sample : P3717-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 29 01:34:18 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)

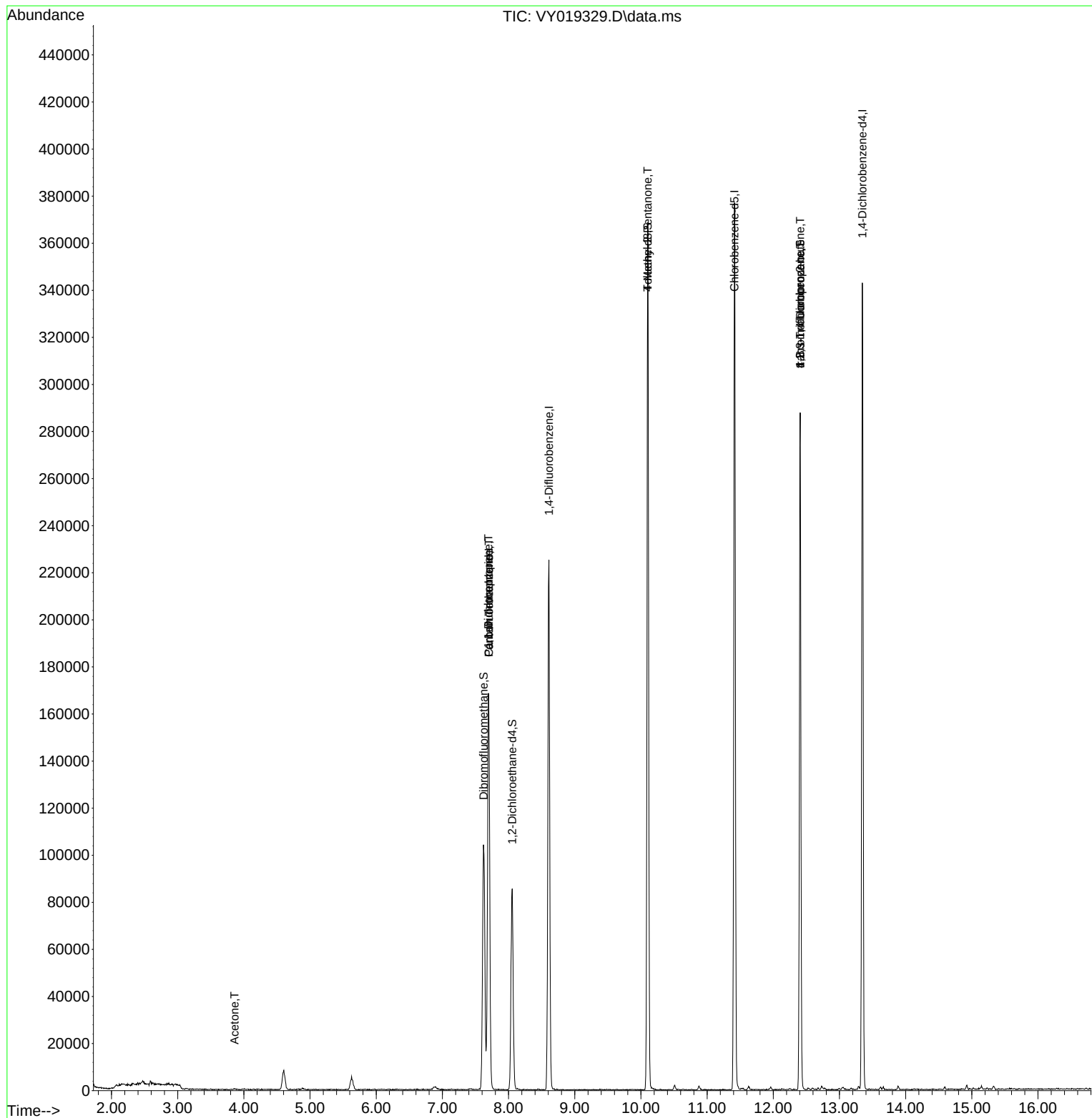
Internal Standards						
1) Pentafluorobenzene	7.701	168	135002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	196310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	205909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	84988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	68417	50.556	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.120%	
35) Dibromofluoromethane	7.622	113	74902	58.353	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.700%	
50) Toluene-d8	10.103	98	235462	50.975	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.940%	
62) 4-Bromofluorobenzene	12.407	95	85112	54.050	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 108.100%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.592	94	555	Below Cal	#	76
6) Chloroethane	2.720	64	45	Below Cal	#	42
11) Tert butyl alcohol	4.829	59	94	Below Cal	#	88
13) Acrolein	3.470	56	41	Below Cal	#	15
16) Acetone	3.860	43	320	1.275	ug/l #	36
20) Methylene Chloride	4.604	84	6052	Below Cal		86
31) Cyclohexane	7.695	56	2558	Below Cal	#	1
36) 1,1-Dichloropropene	7.695	75	9731	5.521	ug/l #	48
38) Carbon Tetrachloride	7.701	117	13555	6.636	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	967	1.154	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	46276	55.213	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	46276	136.358	ug/l #	16

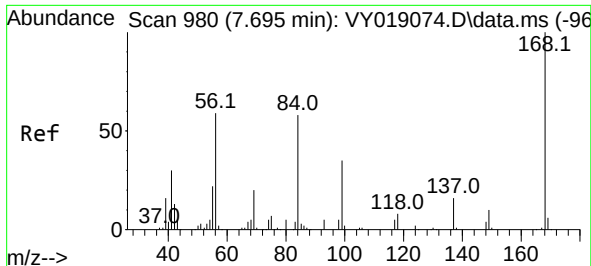
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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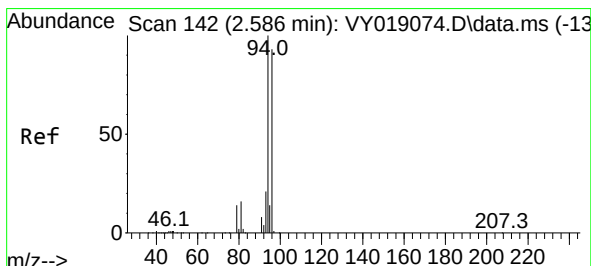
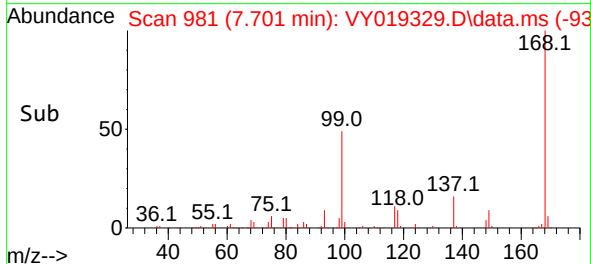
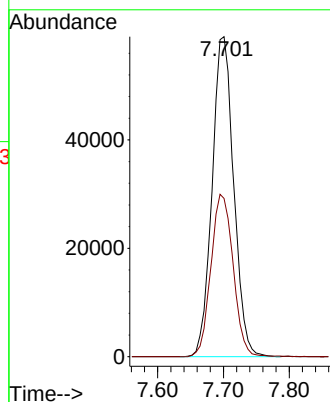
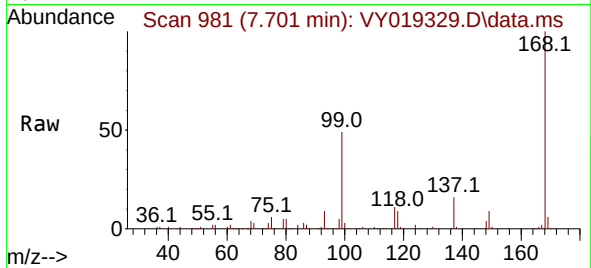




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

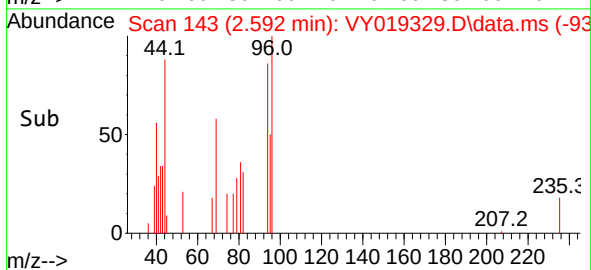
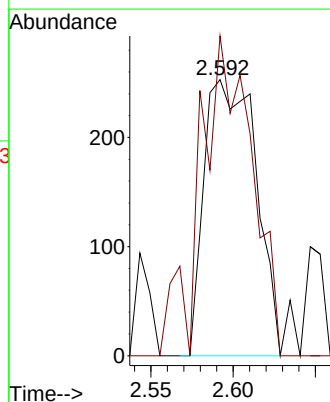
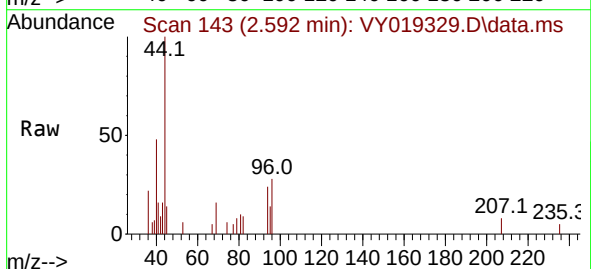
Instrument :
MSVOA_Y
ClientSampleId :

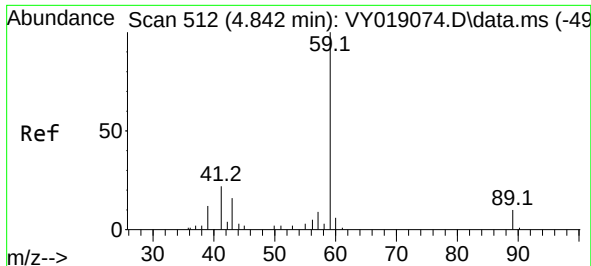
Tgt Ion:168 Resp: 135002
Ion Ratio Lower Upper
168 100
99 49.5 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

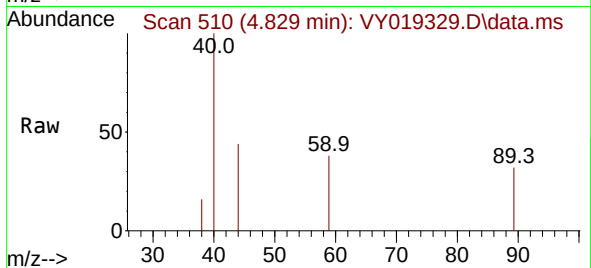
Tgt Ion: 94 Resp: 555
Ion Ratio Lower Upper
94 100
96 115.8 74.1 111.1#



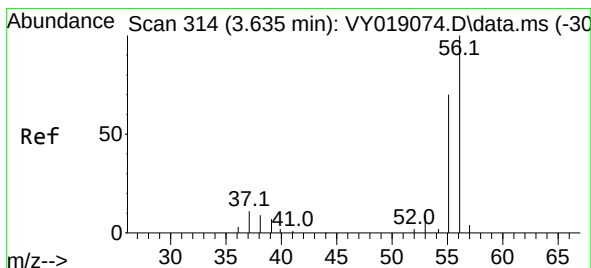
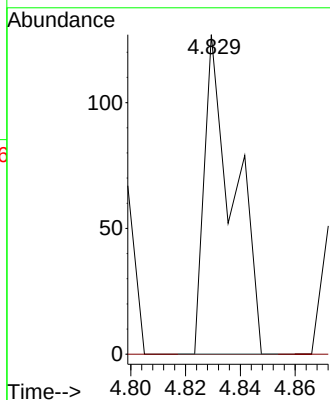
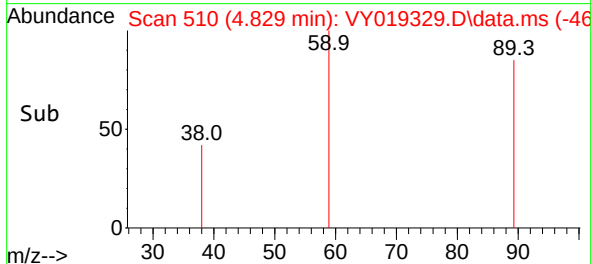


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.829 min Scan# 51
Delta R.T. -0.013 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

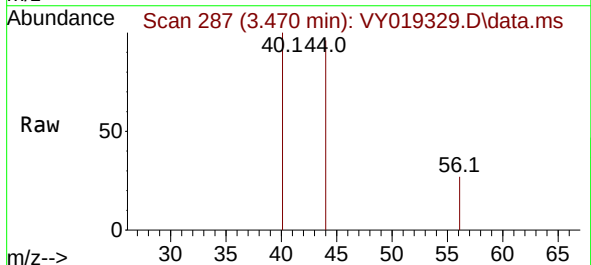
Instrument :
MSVOA_Y
ClientSampleId :



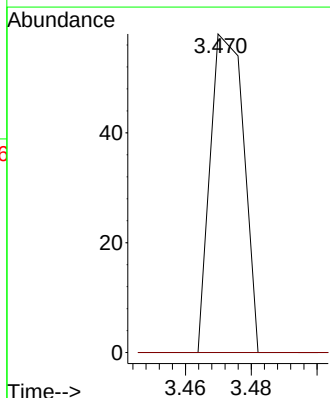
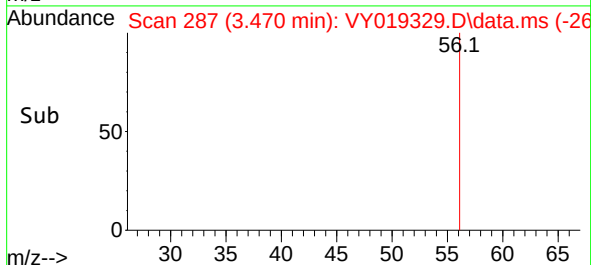
Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

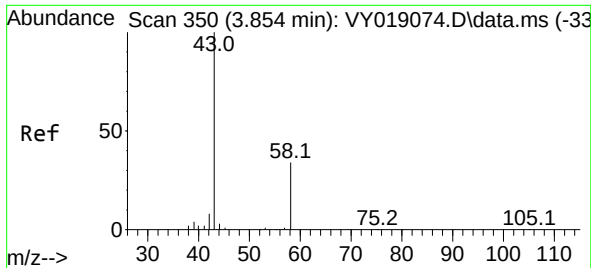


#13
Acrolein
Concen: Below Cal
RT: 3.470 min Scan# 287
Delta R.T. -0.165 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46



Tgt Ion: 56 Resp: 41
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#





#16

Acetone

Concen: 1.275 ug/l

RT: 3.860 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY019329.D

Acq: 28 Aug 2024 14:46

Instrument :

MSVOA_Y

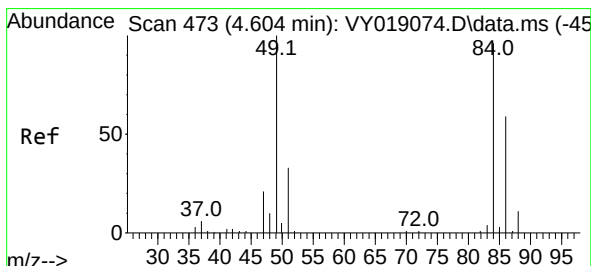
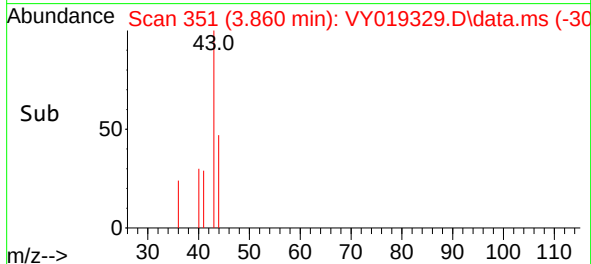
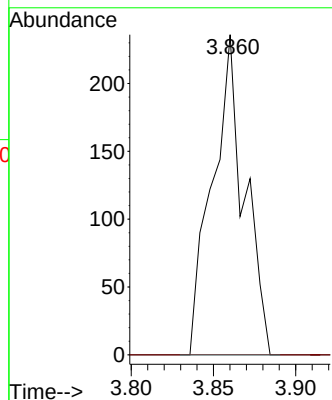
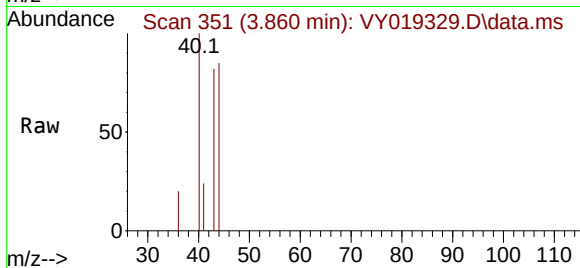
ClientSampleId :

Tgt Ion: 43 Resp: 320

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY019329.D

Acq: 28 Aug 2024 14:46

Tgt Ion: 84 Resp: 6052

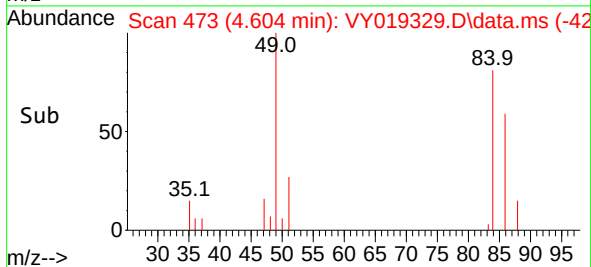
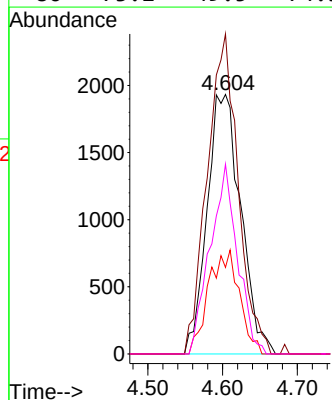
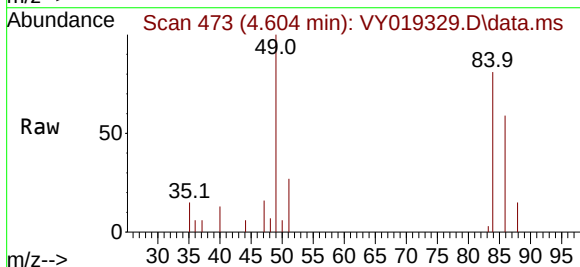
Ion Ratio Lower Upper

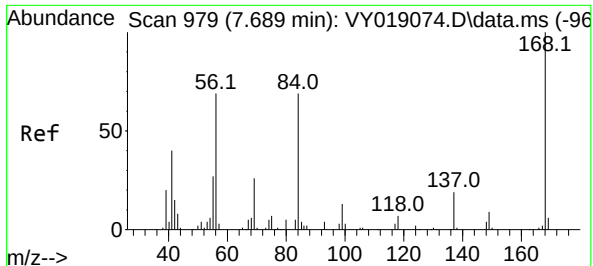
84 100

49 123.3 84.4 126.6

51 33.4 26.0 39.0

86 73.2 49.5 74.3

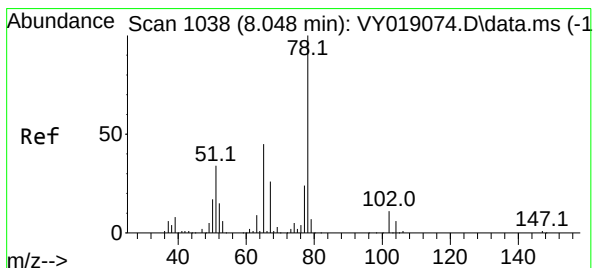
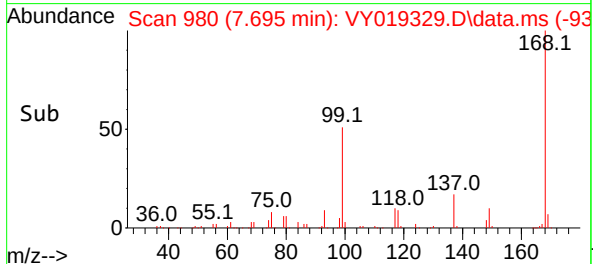
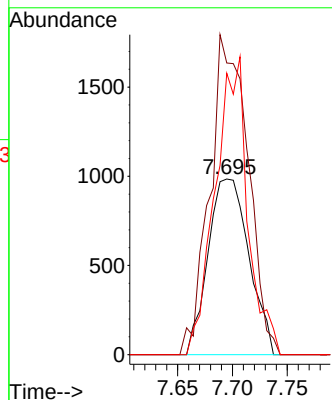
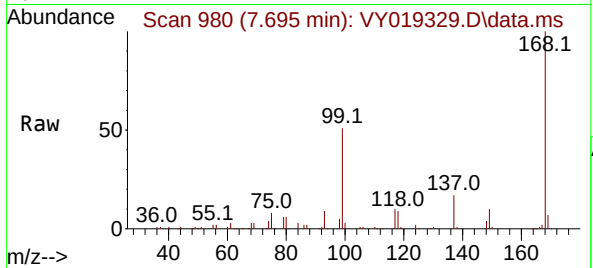




#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

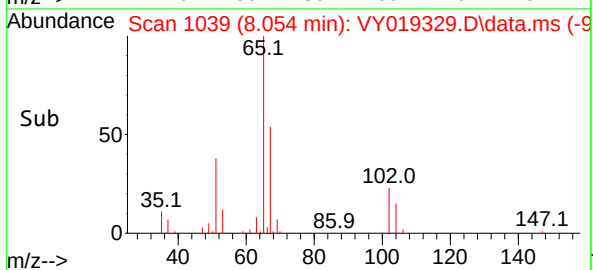
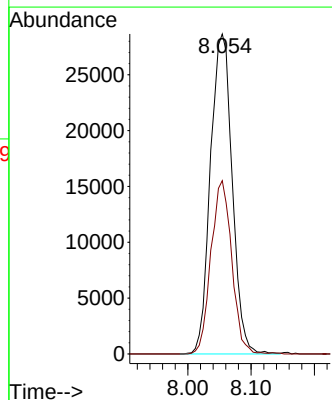
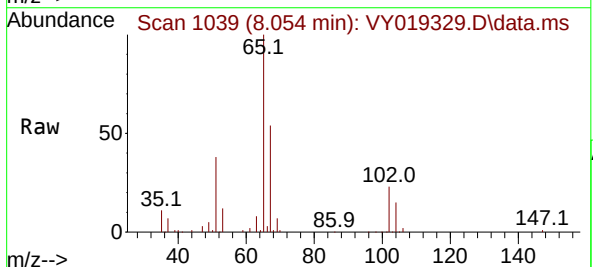
Instrument :
MSVOA_Y
ClientSampleId :

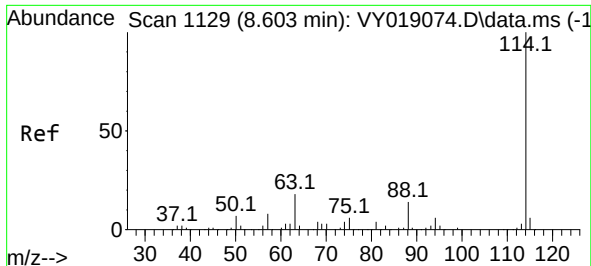
Tgt Ion: 56 Resp: 2558
Ion Ratio Lower Upper
56 100
69 166.0 28.7 43.1#
84 160.2 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 50.556 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

Tgt Ion: 65 Resp: 68417
Ion Ratio Lower Upper
65 100
67 51.6 0.0 109.6

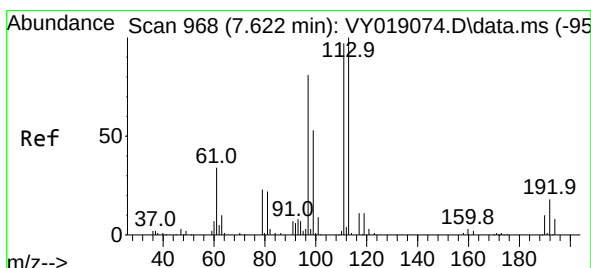
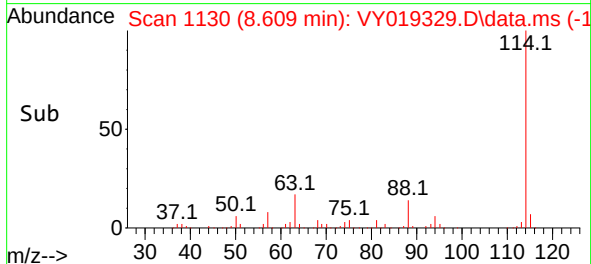
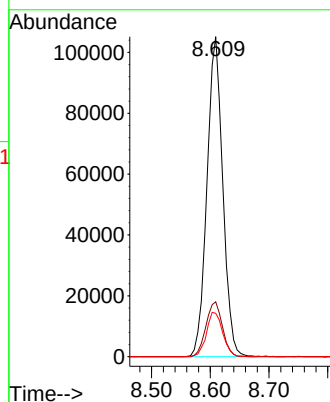
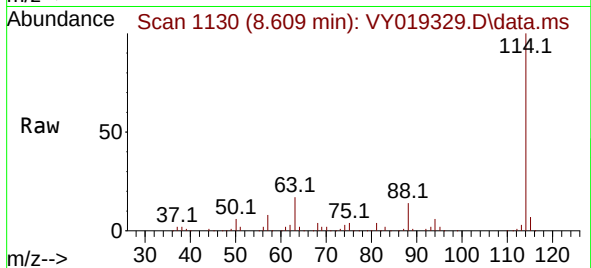




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

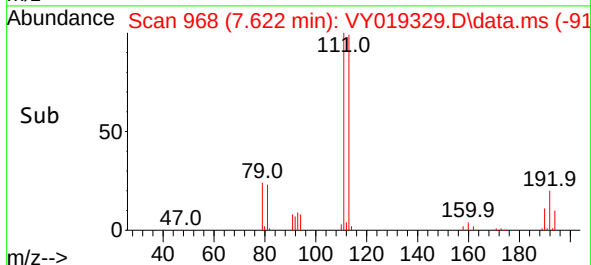
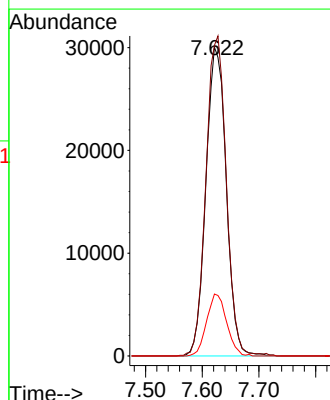
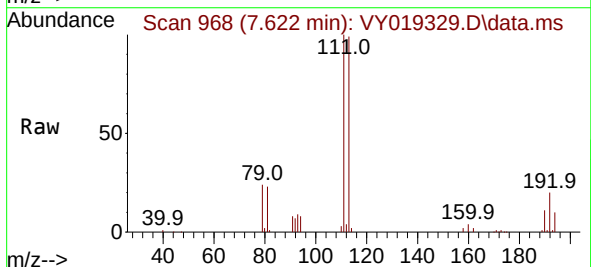
Instrument :
MSVOA_Y
ClientSampleId :

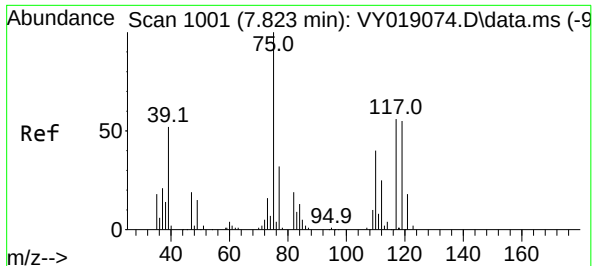
Tgt Ion:114 Resp: 196310
Ion Ratio Lower Upper
114 100
63 17.1 0.0 35.0
88 13.5 0.0 27.2



#35
Dibromofluoromethane
Concen: 58.353 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

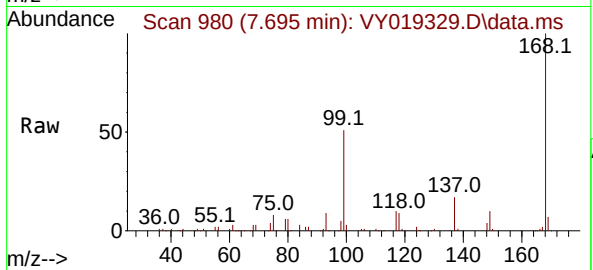
Tgt Ion:113 Resp: 74902
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.4
192 19.7 15.9 23.9



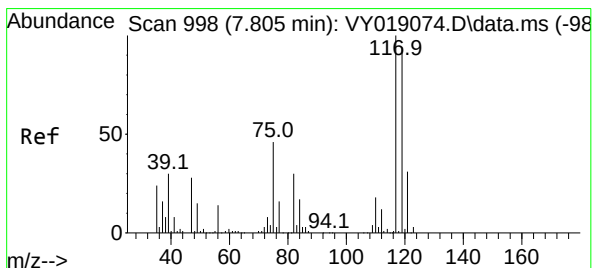
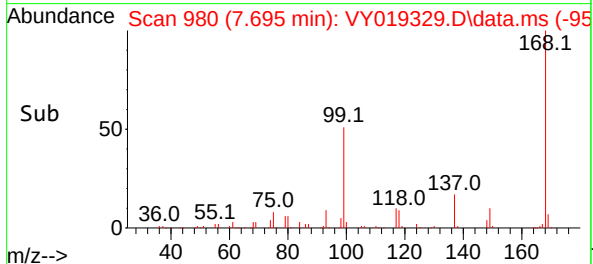
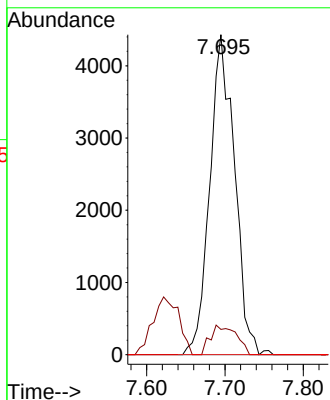


#36
1,1-Dichloropropene
Concen: 5.521 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

Instrument :
MSVOA_Y
ClientSampleId :

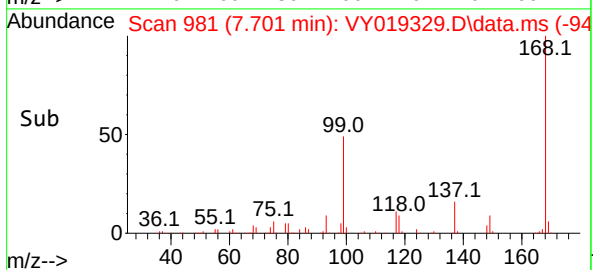
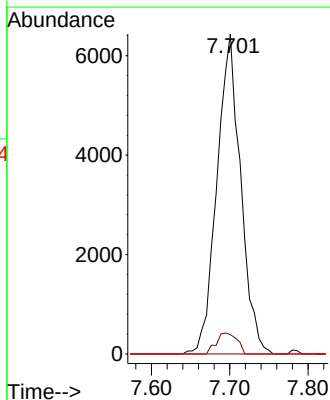
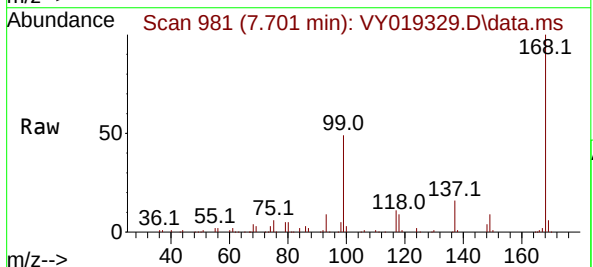


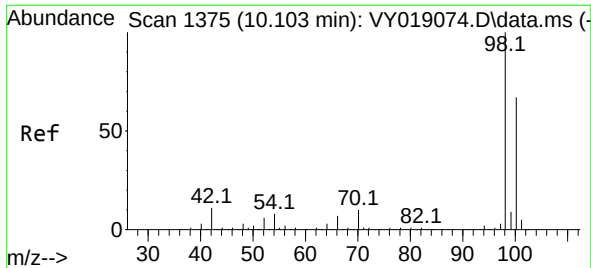
Tgt Ion: 75 Resp: 9731
Ion Ratio Lower Upper
75 100
110 9.6 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.636 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.104 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

Tgt Ion: 117 Resp: 13555
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.0 36.0#

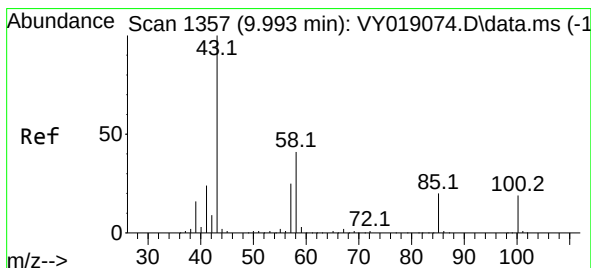
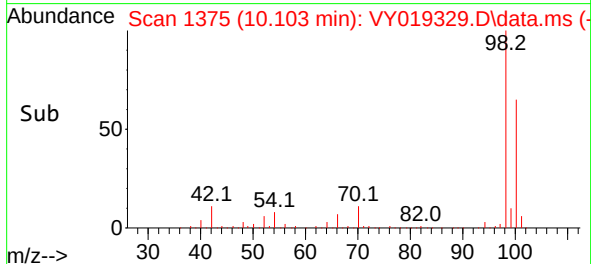
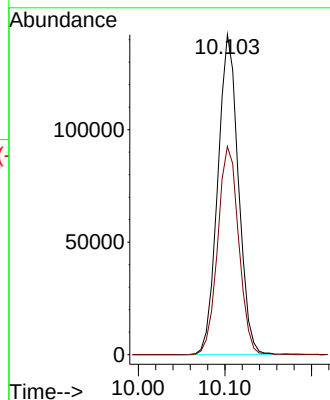
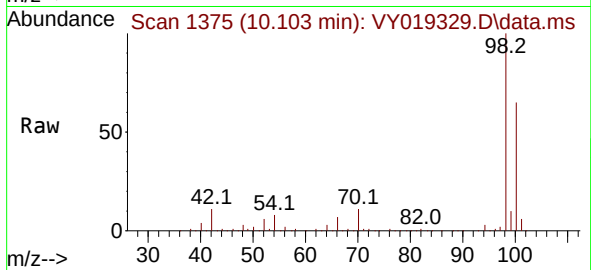




#50
Toluene-d8
Concen: 50.975 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

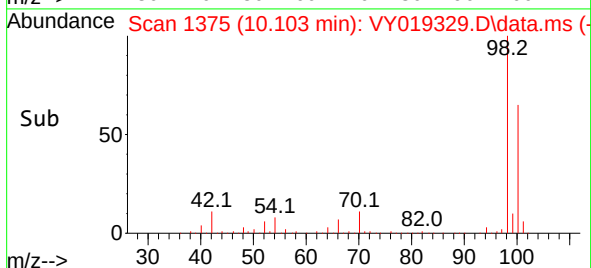
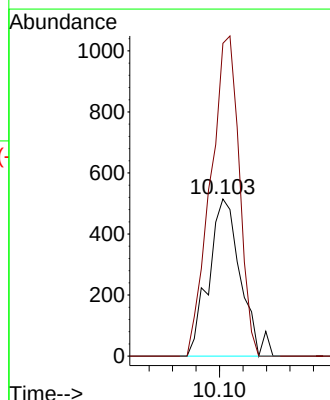
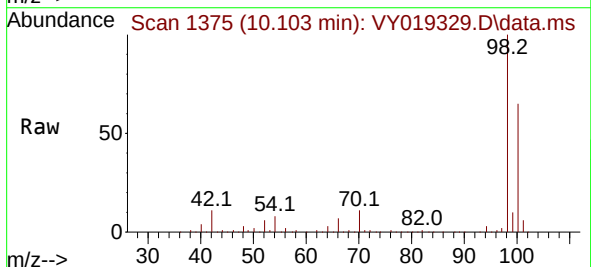
Instrument :
MSVOA_Y
ClientSampleId :

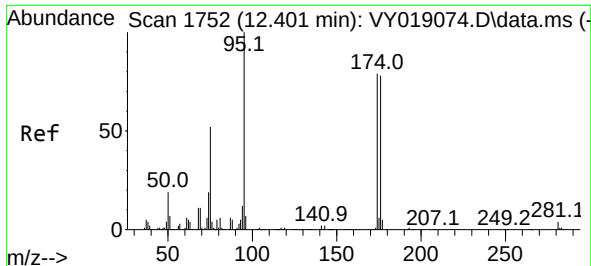
Tgt Ion: 98 Resp: 235462
Ion Ratio Lower Upper
98 100
100 66.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.154 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

Tgt Ion: 43 Resp: 967
Ion Ratio Lower Upper
43 100
58 184.0 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 54.050 ug/l

RT: 12.407 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY019329.D

Acq: 28 Aug 2024 14:46

Instrument :

MSVOA_Y

ClientSampleId :

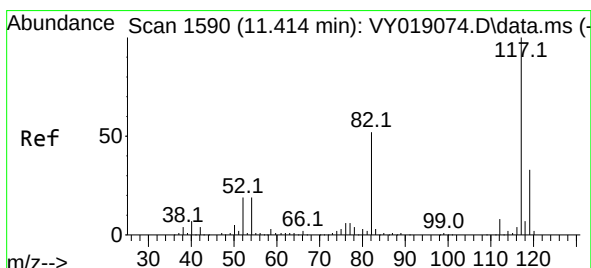
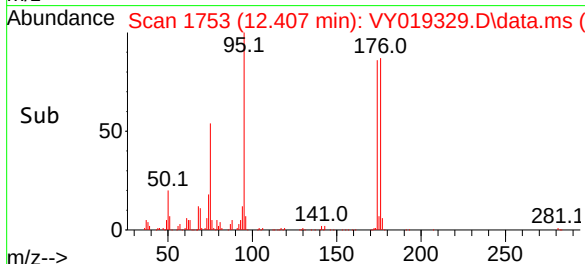
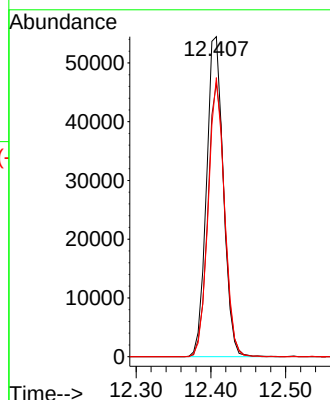
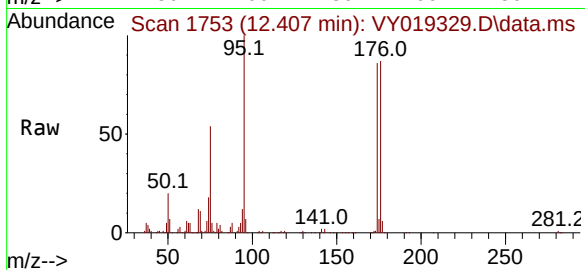
Tgt Ion: 95 Resp: 85112

Ion Ratio Lower Upper

95 100

174 85.0 0.0 175.6

176 83.9 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: VY019329.D

Acq: 28 Aug 2024 14:46

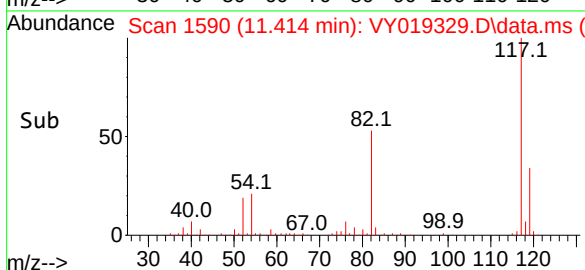
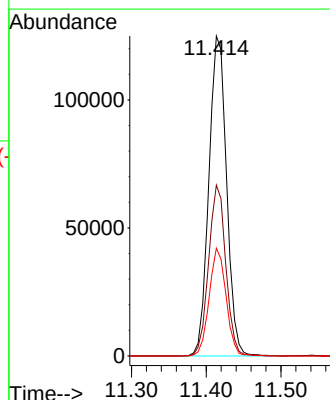
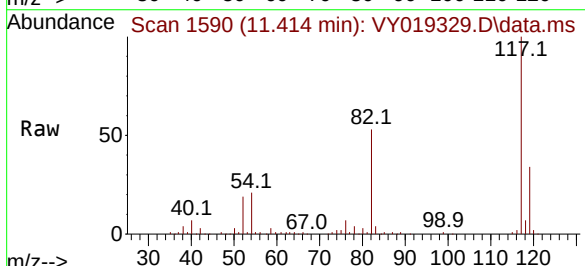
Tgt Ion: 117 Resp: 205909

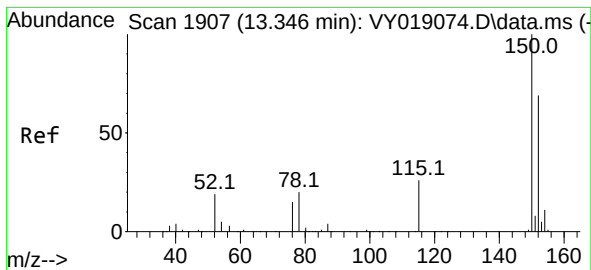
Ion Ratio Lower Upper

117 100

82 53.4 42.4 63.6

119 33.7 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: VY019329.D

Acq: 28 Aug 2024 14:46

Instrument :

MSVOA_Y

ClientSampleId :

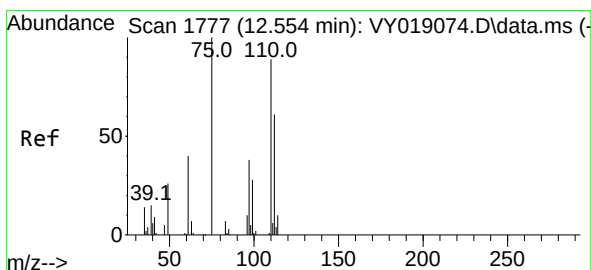
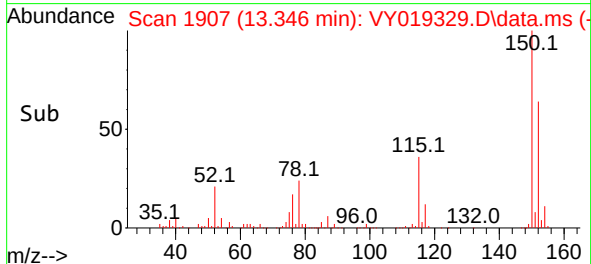
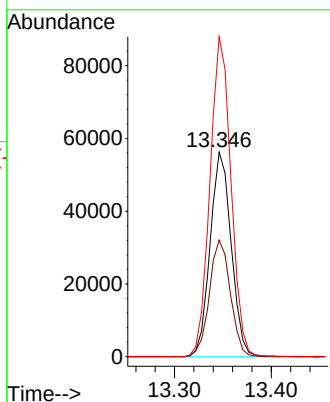
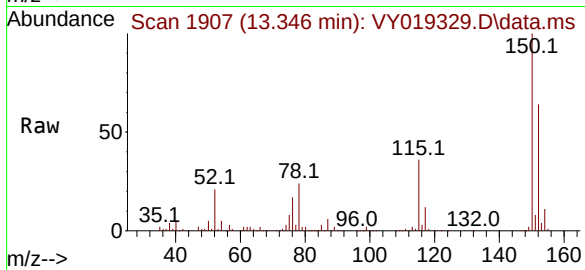
Tgt Ion:152 Resp: 84988

Ion Ratio Lower Upper

152 100

115 56.9 28.2 84.7

150 156.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.213 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019329.D

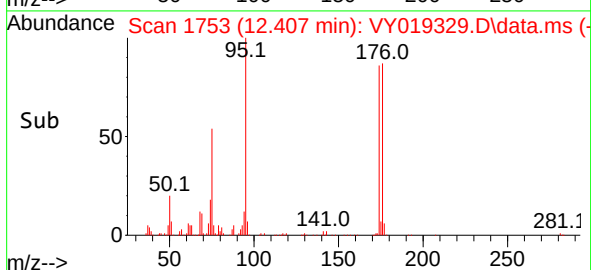
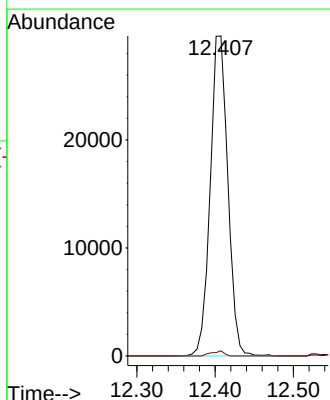
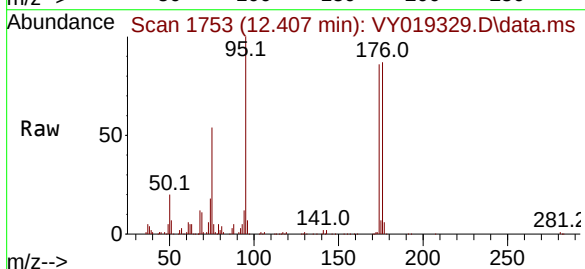
Acq: 28 Aug 2024 14:46

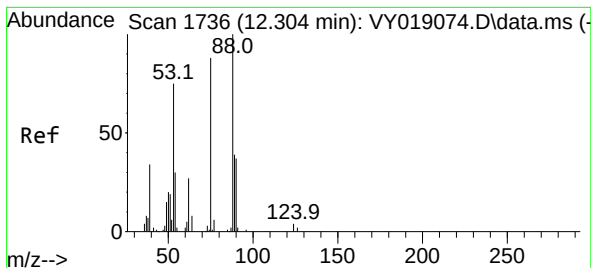
Tgt Ion: 75 Resp: 46276

Ion Ratio Lower Upper

75 100

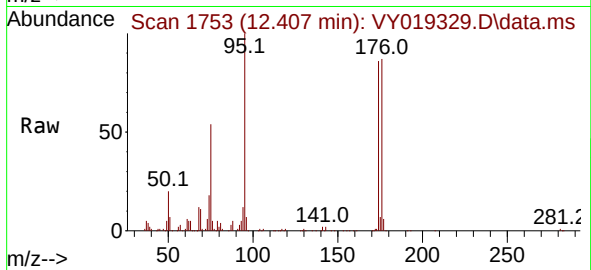
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 136.358 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019329.D
Acq: 28 Aug 2024 14:46

Instrument :
MSVOA_Y
ClientSampleId :



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

