

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019204.D
 Acq On : 22 Aug 2024 06:57
 Operator : SY/MD
 Sample : P3671-10
 Misc : 6.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 07:26:51 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)

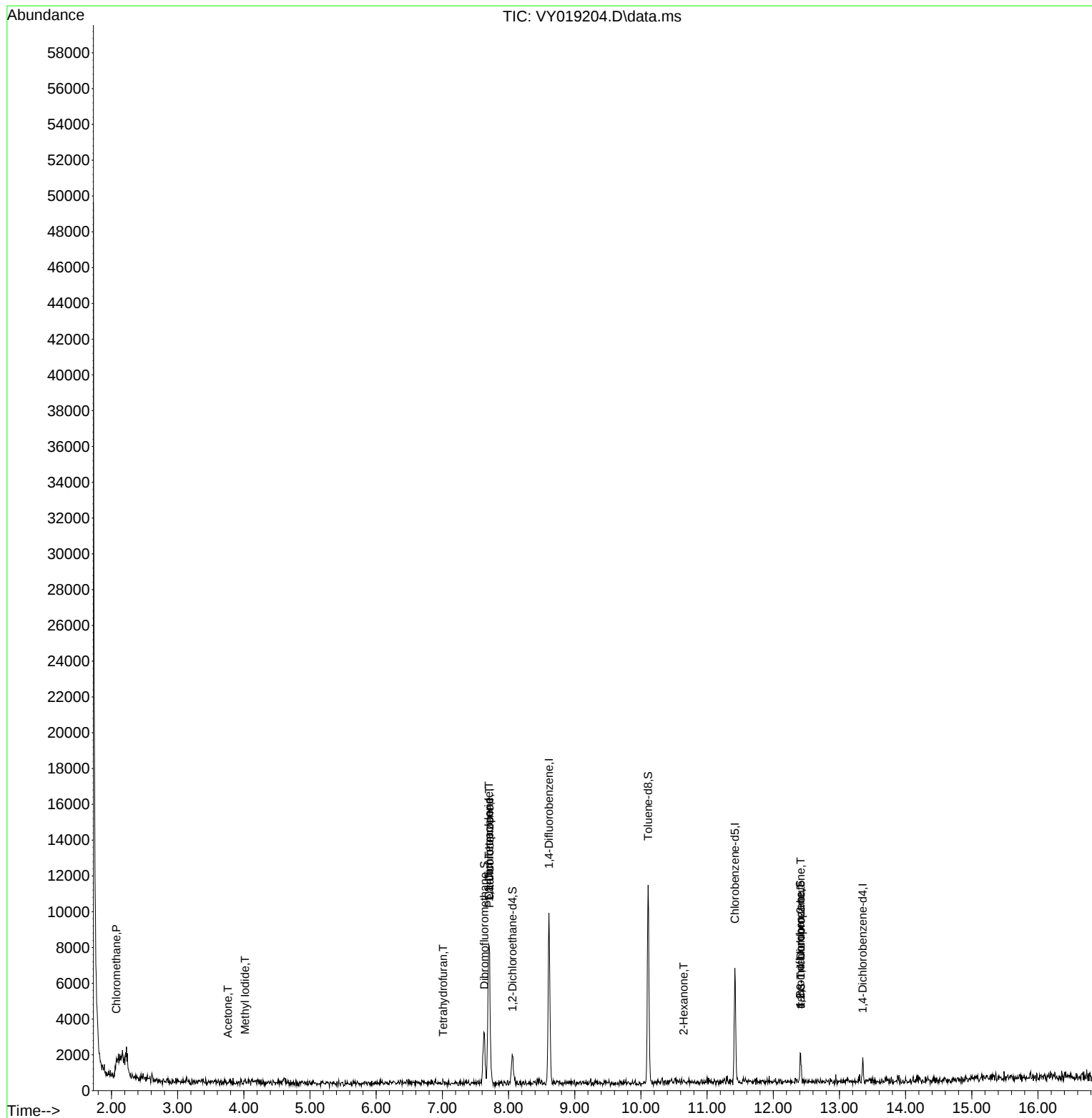
Internal Standards						
1) Pentafluorobenzene	7.713	168	6799	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.609	114	8008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	3518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	1229	18.033	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	36.060%#
35) Dibromofluoromethane	7.634	113	2053	39.209	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	78.420%
50) Toluene-d8	10.109	98	7873	41.782	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	83.560%
62) 4-Bromofluorobenzene	12.407	95	542	8.438	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	16.880%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	150	1.668	ug/l #	43
5) Bromomethane	2.617	94	125	Below Cal		91
10) Methyl Iodide	4.019	142	161	2.200	ug/l #	42
16) Acetone	3.757	43	20	1.582	ug/l #	36
20) Methylene Chloride	4.592	84	162	Below Cal	#	39
29) Tetrahydrofuran	7.012	42	45	3.439	ug/l #	26
31) Cyclohexane	7.701	56	208	Below Cal	#	36
36) 1,1-Dichloropropene	7.707	75	573	7.969	ug/l #	40
38) Carbon Tetrachloride	7.701	117	578	6.937	ug/l #	13
59) 2-Hexanone	10.646	43	62	2.639	ug/l #	19
76) 1,2,3-Trichloropropane	12.414	75	384	128.934	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	384	318.424	ug/l #	16

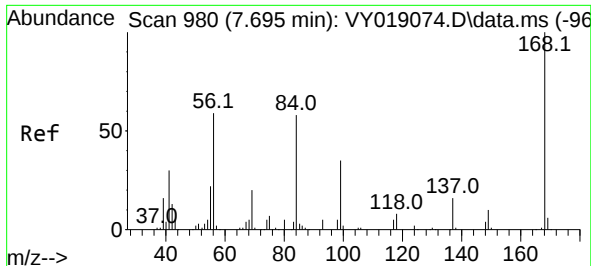
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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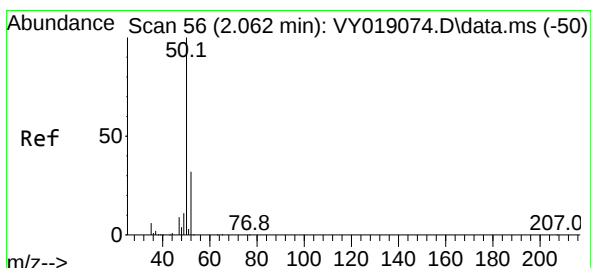
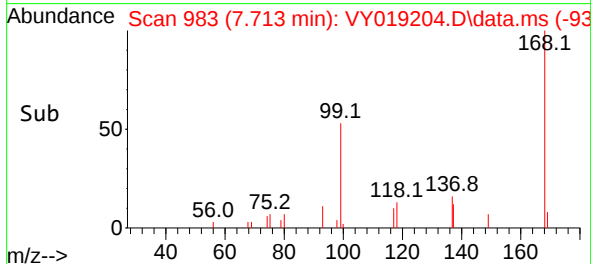
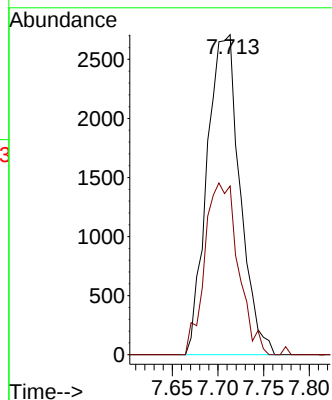
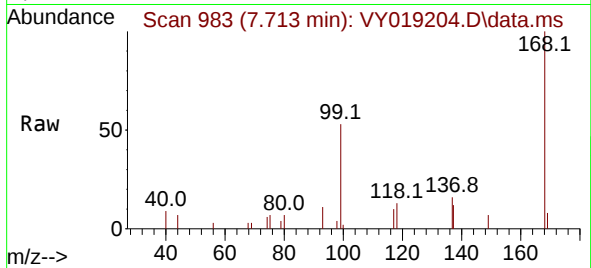




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

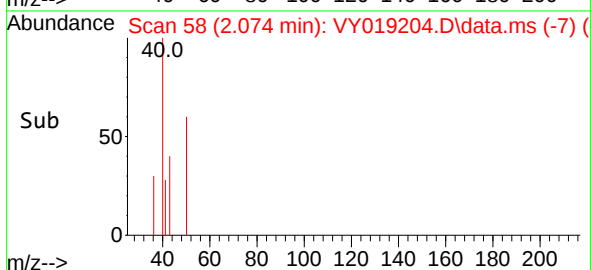
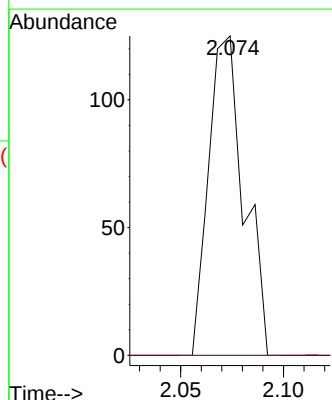
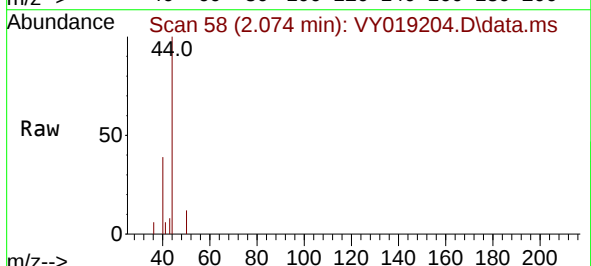
Instrument :
MSVOA_Y
ClientSampleId :

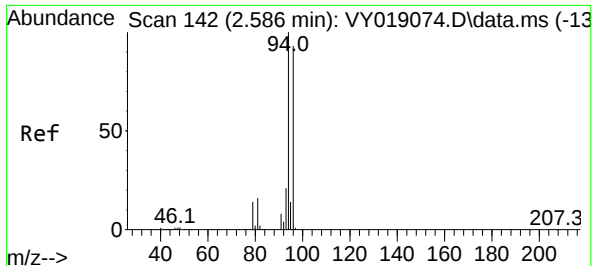
Tgt Ion:168 Resp: 6799
Ion Ratio Lower Upper
168 100
99 52.7 39.1 58.7



#3
Chloromethane
Concen: 1.668 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.012 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Tgt Ion: 50 Resp: 150
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

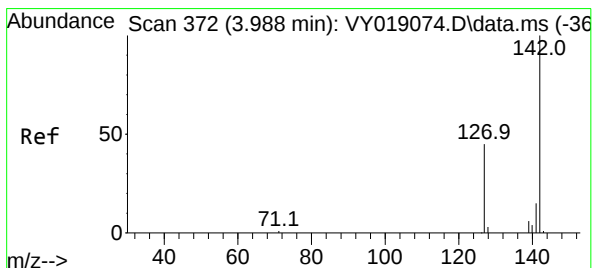
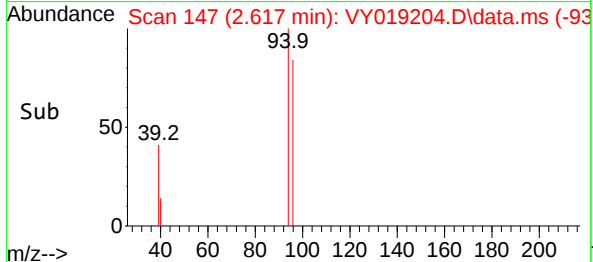
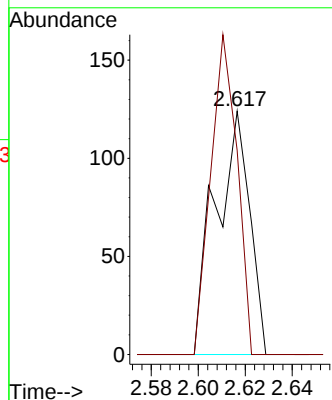
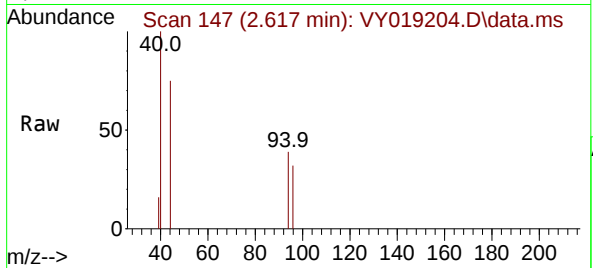




#5
Bromomethane
Concen: Below Cal
RT: 2.617 min Scan# 14
Delta R.T. 0.031 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

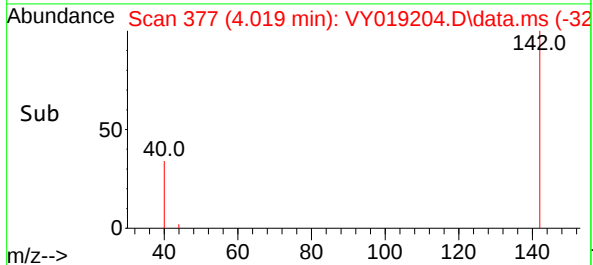
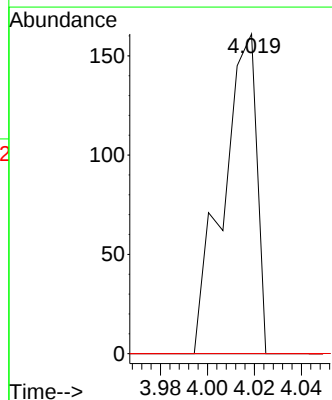
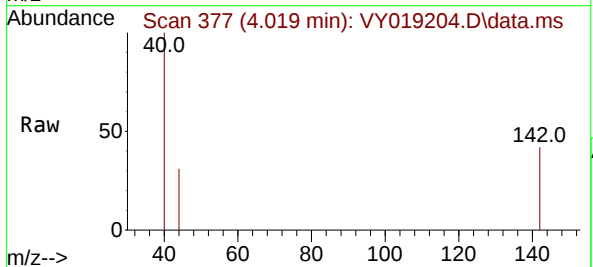
Instrument :
MSVOA_Y
ClientSampleId :

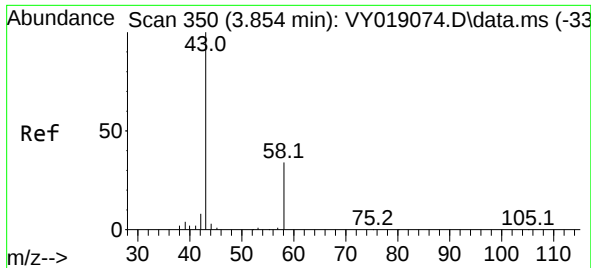
Tgt Ion: 94 Resp: 125
Ion Ratio Lower Upper
94 100
96 83.9 74.1 111.1



#10
Methyl Iodide
Concen: 2.200 ug/l
RT: 4.019 min Scan# 377
Delta R.T. 0.031 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Tgt Ion:142 Resp: 161
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#





#16

Acetone

Concen: 1.582 ug/l

RT: 3.757 min Scan# 31

Delta R.T. -0.097 min

Lab File: VY019204.D

Acq: 22 Aug 2024 06:57

Instrument :

MSVOA_Y

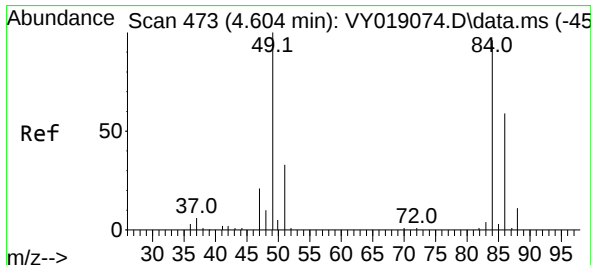
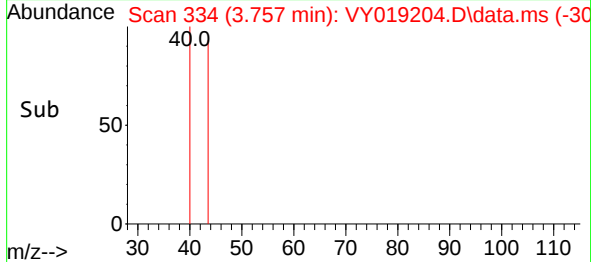
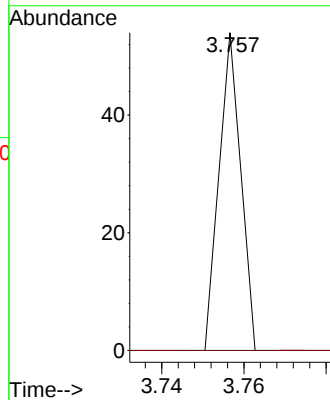
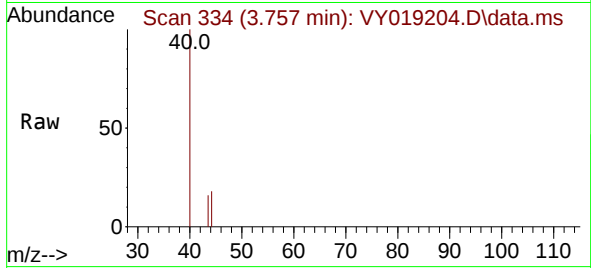
ClientSampleId :

Tgt Ion: 43 Resp: 20

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.592 min Scan# 471

Delta R.T. -0.012 min

Lab File: VY019204.D

Acq: 22 Aug 2024 06:57

Tgt Ion: 84 Resp: 162

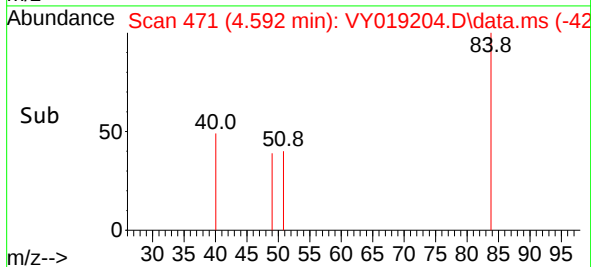
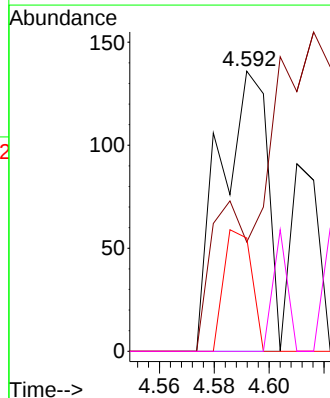
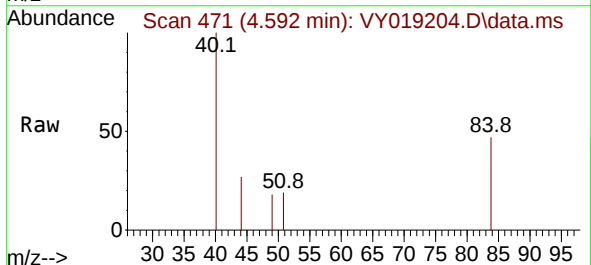
Ion Ratio Lower Upper

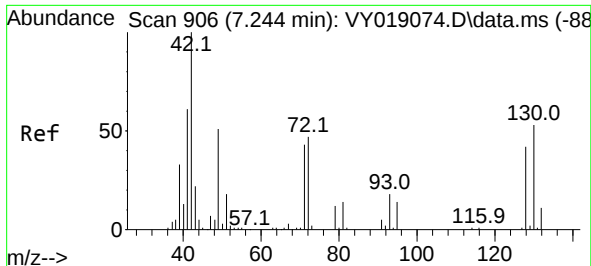
84 100

49 39.0 84.4 126.6#

51 40.4 26.0 39.0#

86 0.0 49.5 74.3#





#29

Tetrahydrofuran

Concen: 3.439 ug/l

RT: 7.012 min Scan# 80

Delta R.T. -0.232 min

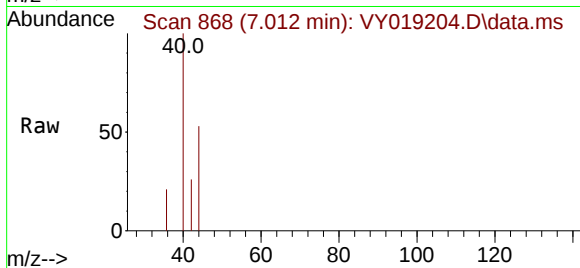
Lab File: VY019204.D

Acq: 22 Aug 2024 06:57

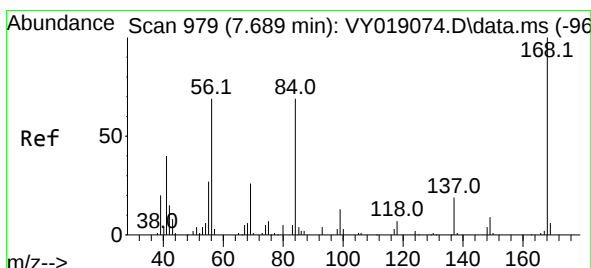
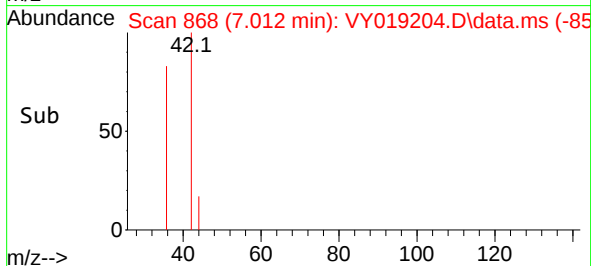
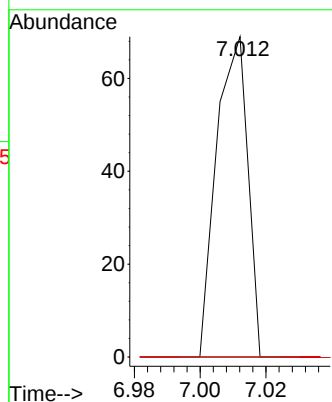
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	45
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#31

Cyclohexane

Concen: Below Cal

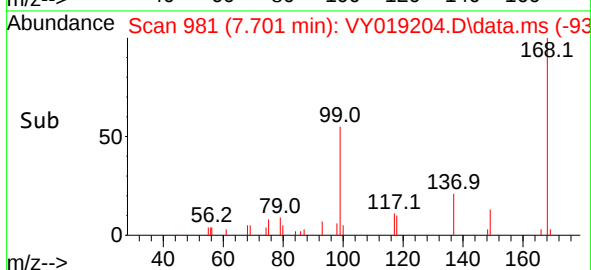
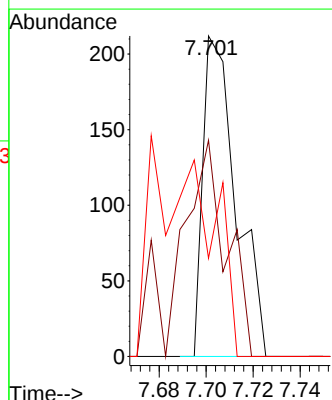
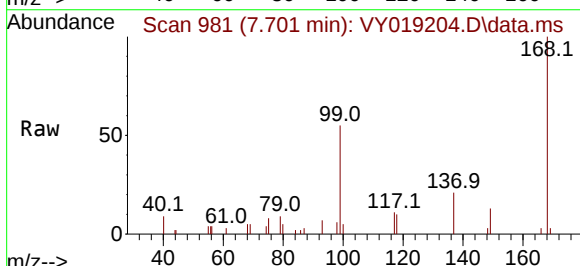
RT: 7.701 min Scan# 981

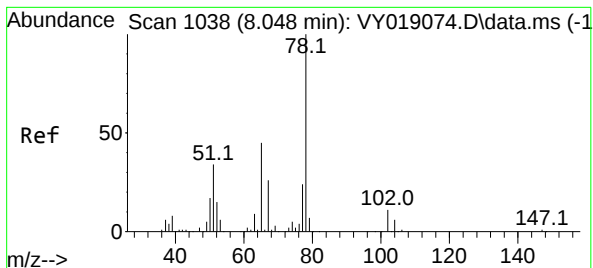
Delta R.T. 0.012 min

Lab File: VY019204.D

Acq: 22 Aug 2024 06:57

Tgt Ion:	56	Resp:	208
Ion	Ratio	Lower	Upper
56	100		
69	67.5	28.7	43.1#
84	30.7	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 18.033 ug/l

RT: 8.061 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY019204.D

Acq: 22 Aug 2024 06:57

Instrument :

MSVOA_Y

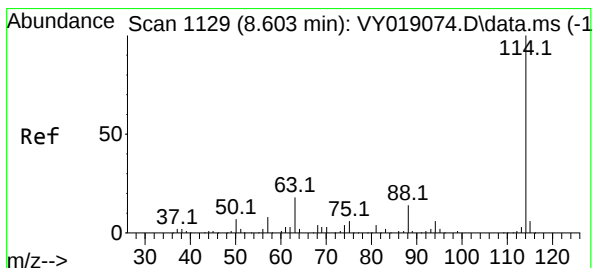
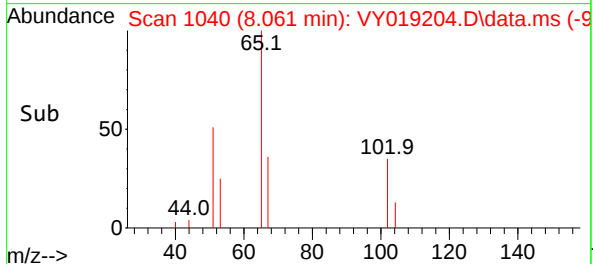
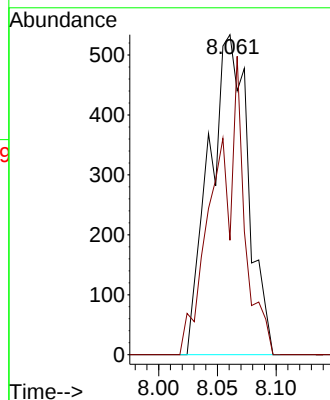
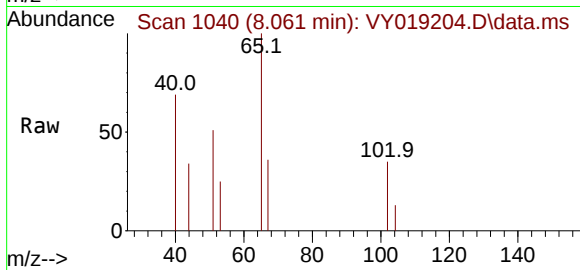
ClientSampleId :

Tgt Ion: 65 Resp: 1229

Ion Ratio Lower Upper

65 100

67 40.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019204.D

Acq: 22 Aug 2024 06:57

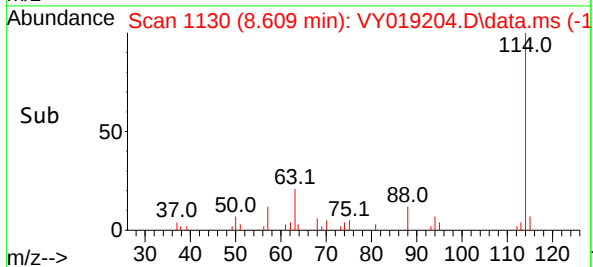
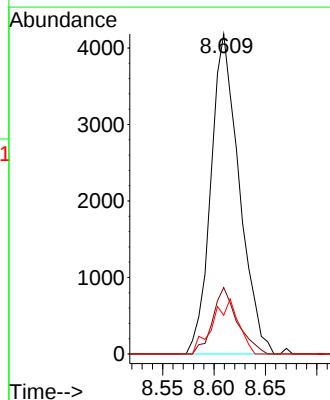
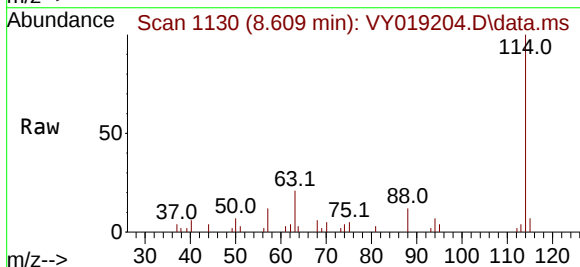
Tgt Ion: 114 Resp: 8008

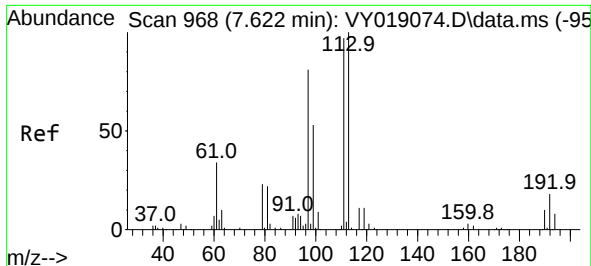
Ion Ratio Lower Upper

114 100

63 20.8 0.0 35.0

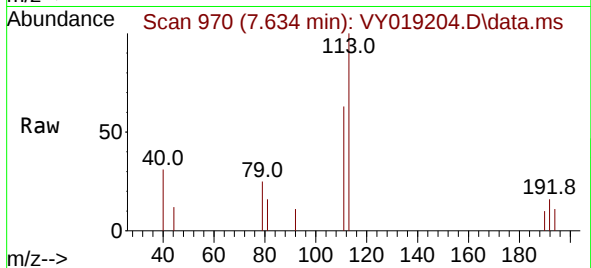
88 12.1 0.0 27.2



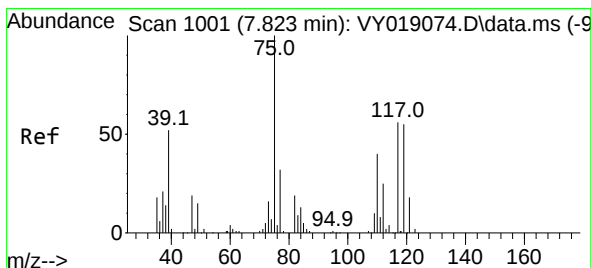
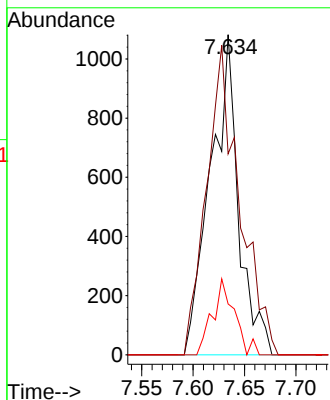
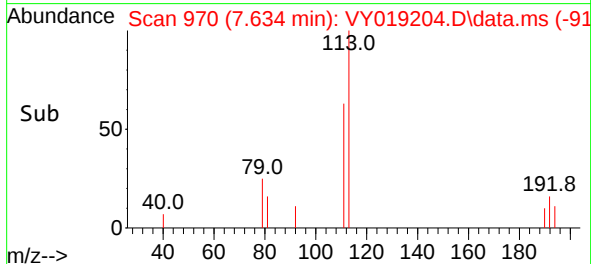


#35
Dibromofluoromethane
Concen: 39.209 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Instrument :
MSVOA_Y
ClientSampleId :

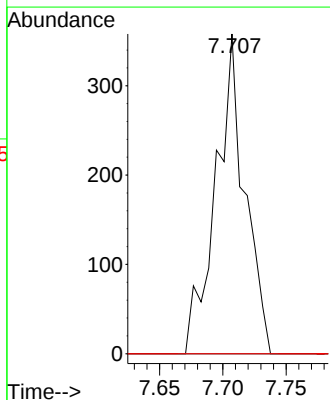
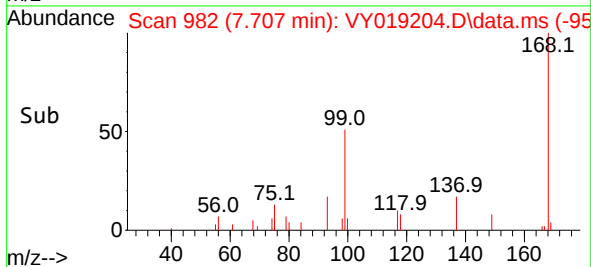
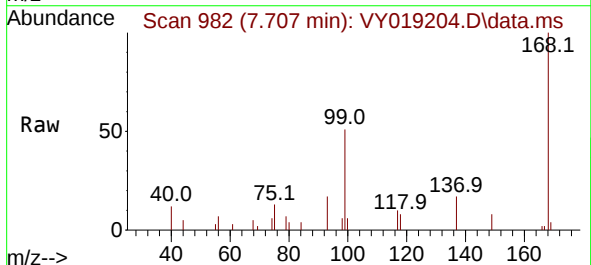


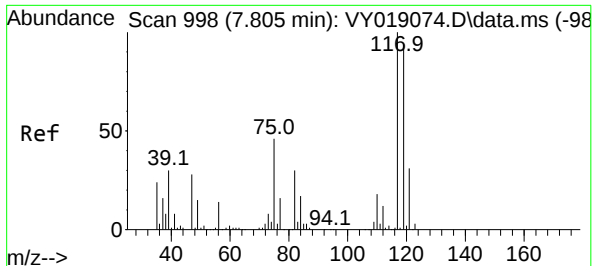
Tgt Ion:113 Resp: 2053
Ion Ratio Lower Upper
113 100
111 113.6 82.2 123.4
192 18.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 7.969 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

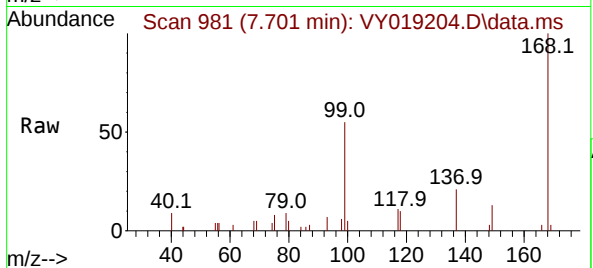
Tgt Ion: 75 Resp: 573
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



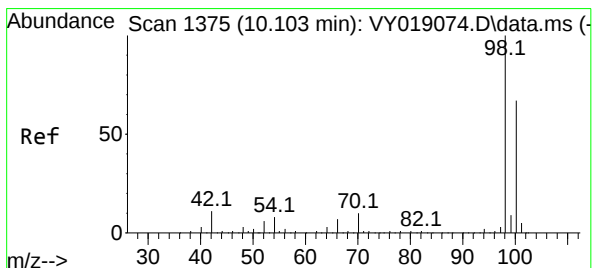
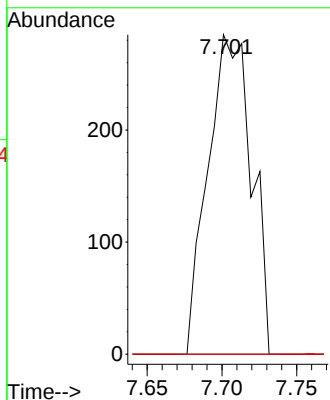
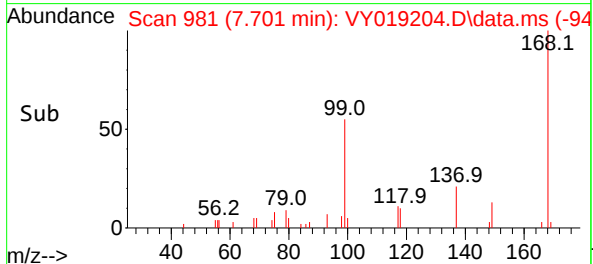


#38
Carbon Tetrachloride
Concen: 6.937 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Instrument :
MSVOA_Y
ClientSampleId :

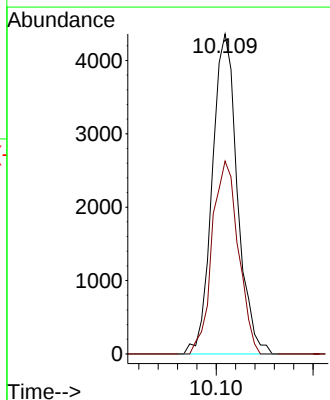
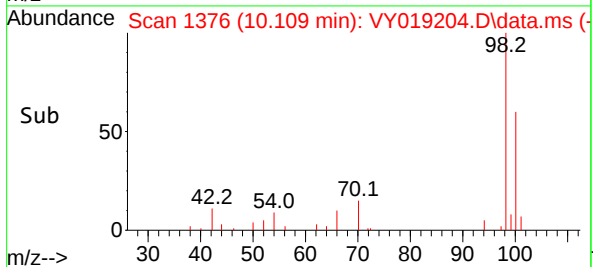
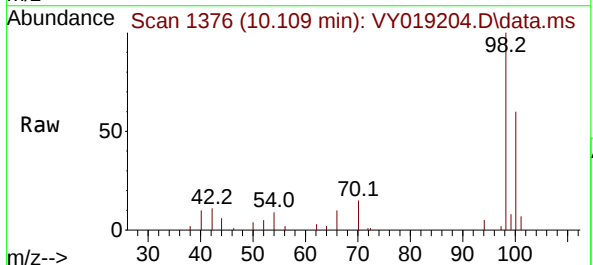


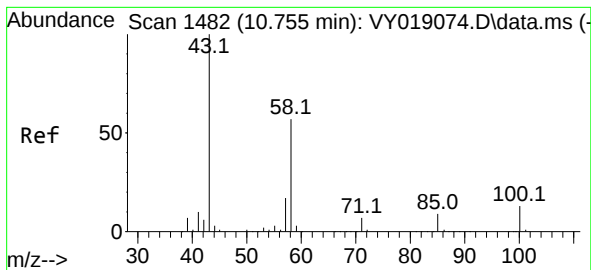
Tgt Ion:117 Resp: 578
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 41.782 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Tgt Ion: 98 Resp: 7873
Ion Ratio Lower Upper
98 100
100 62.8 52.0 78.0

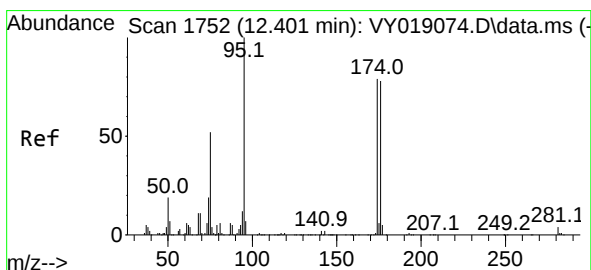
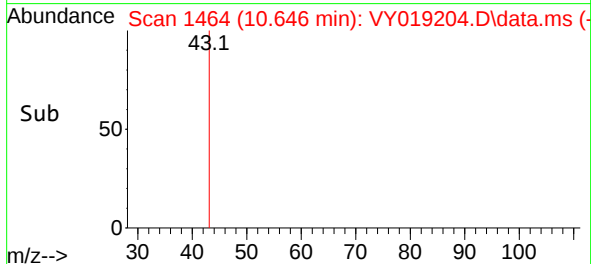
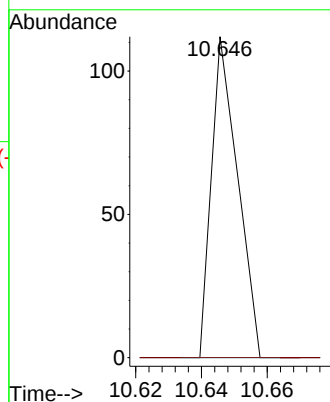
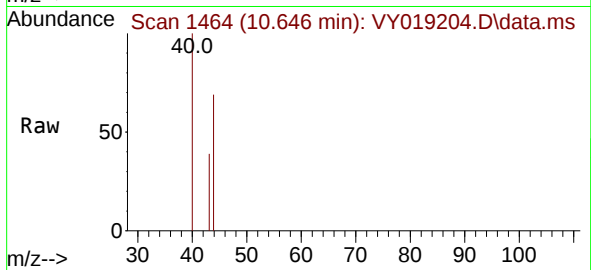




#59
2-Hexanone
Concen: 2.639 ug/l
RT: 10.646 min Scan# 1482
Delta R.T. -0.110 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

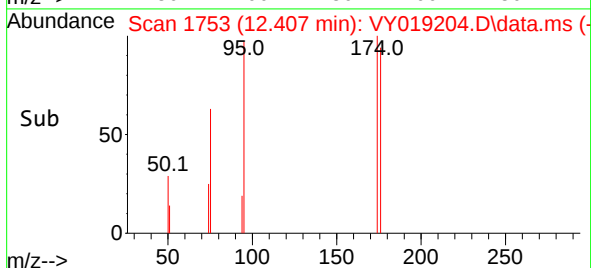
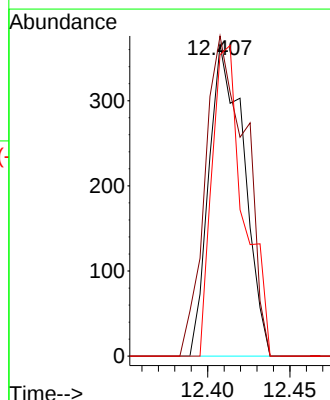
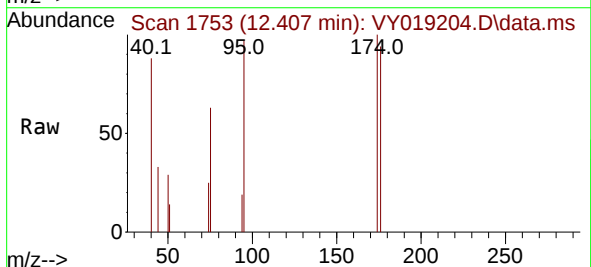
Instrument :
MSVOA_Y
ClientSampleId :

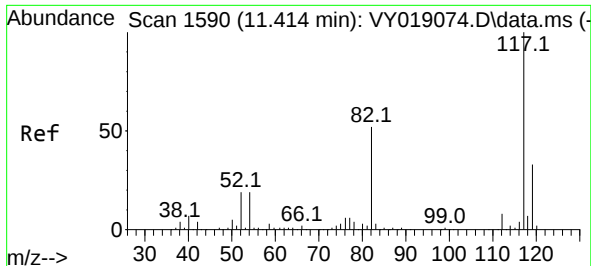
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 8.438 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Tgt Ion: 95 Resp: 542
Ion Ratio Lower Upper
95 100
174 118.5 0.0 175.6
176 90.6 0.0 171.4

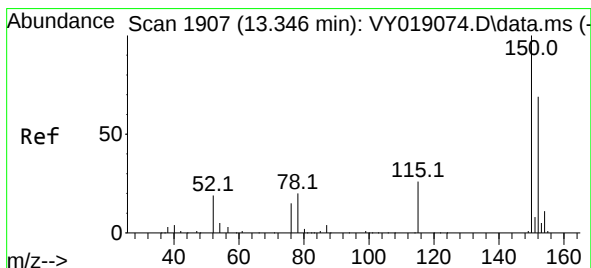
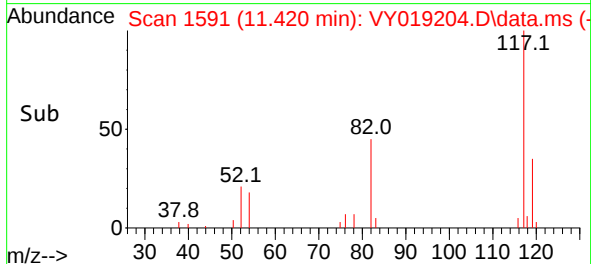
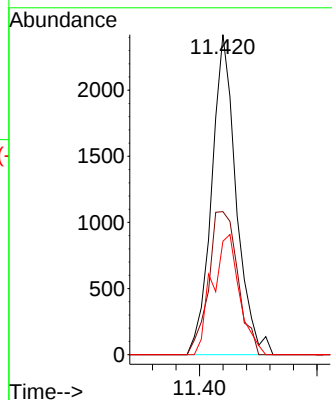
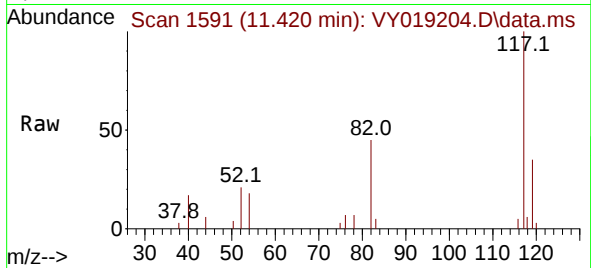




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

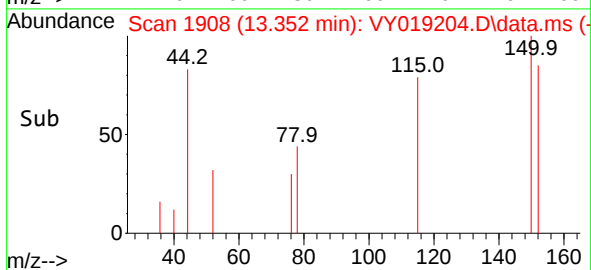
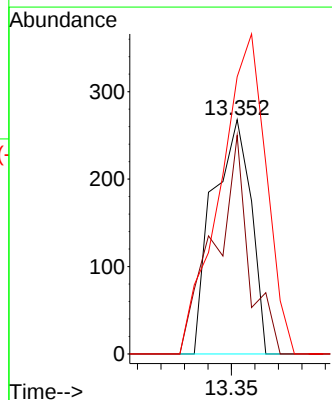
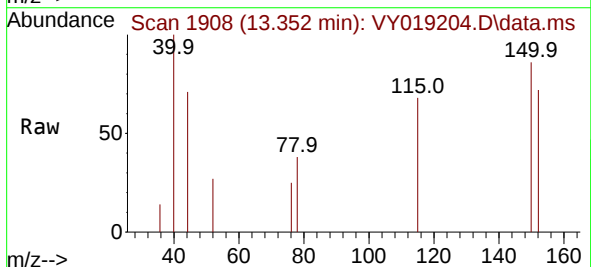
Instrument :
MSVOA_Y
ClientSampleId :

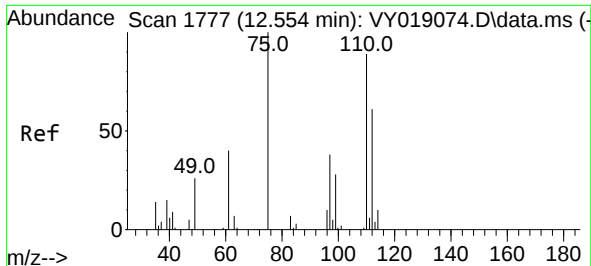
Tgt Ion:117 Resp: 3518
Ion Ratio Lower Upper
117 100
82 44.7 42.4 63.6
119 35.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Tgt Ion:152 Resp: 302
Ion Ratio Lower Upper
152 100
115 84.1 28.2 84.7
150 164.9 0.0 345.6

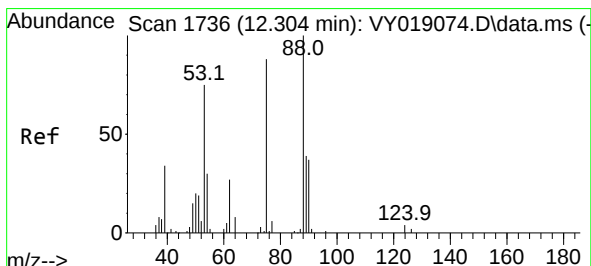
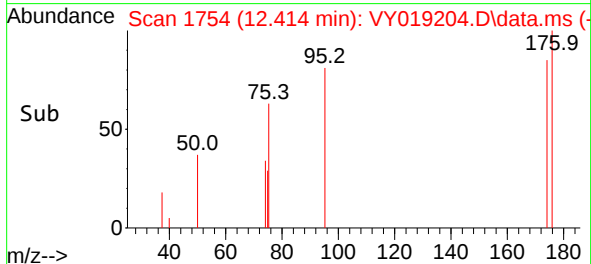
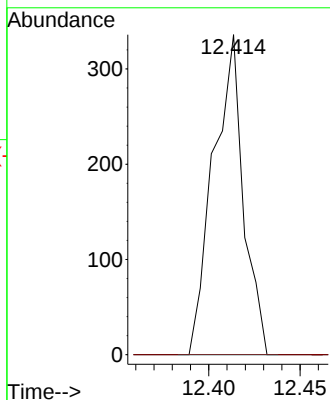
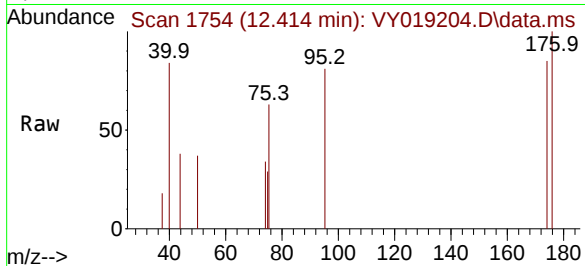




#76
1,2,3-Trichloropropane
Concen: 128.934 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.140 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 384
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 318.424 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY019204.D
Acq: 22 Aug 2024 06:57

Tgt Ion: 75 Resp: 384
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

