

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019195.D
 Acq On : 22 Aug 2024 03:21
 Operator : SY/MD
 Sample : P3671-01
 Misc : 7.48g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 04:43:18 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)

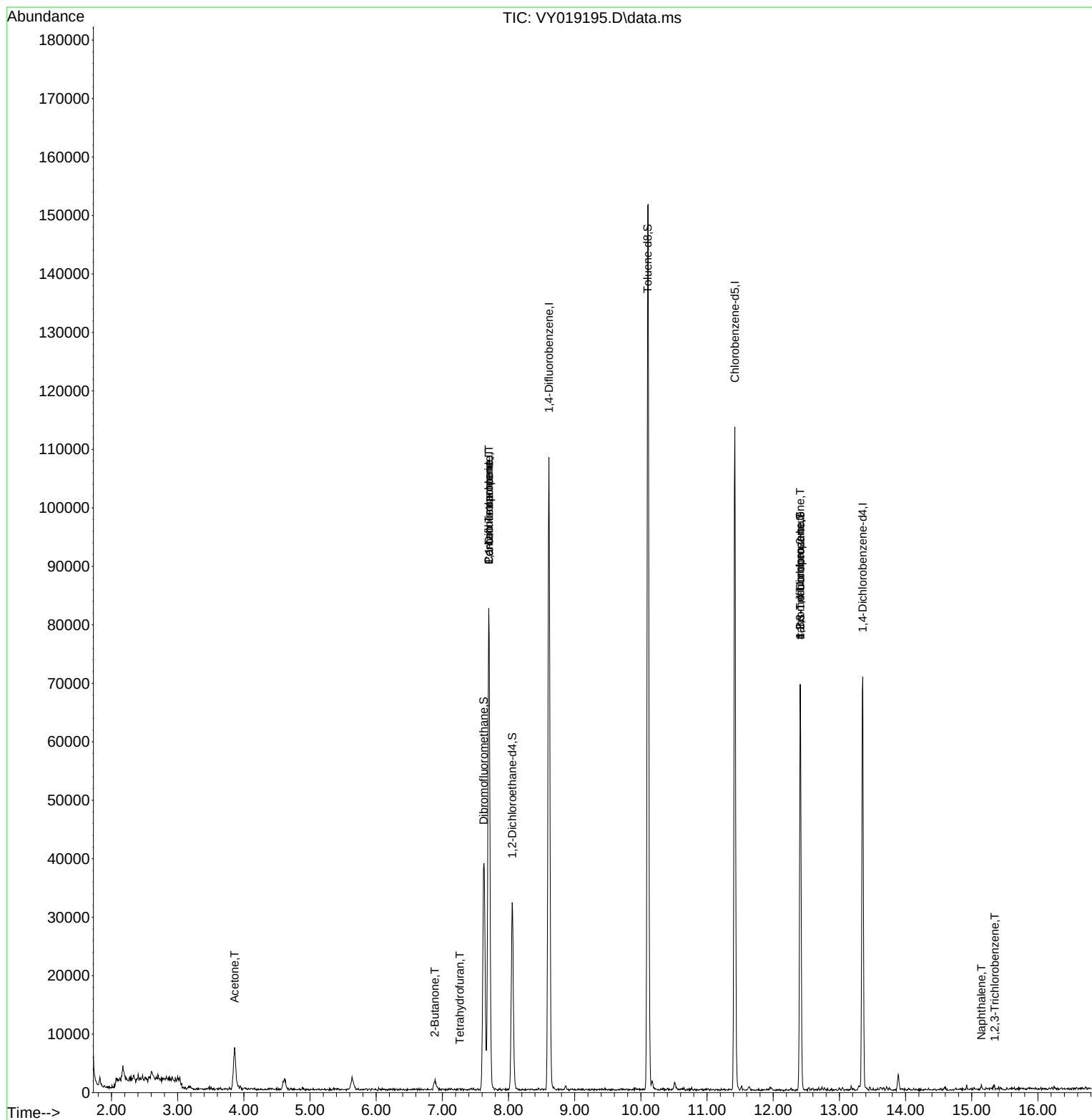
Internal Standards						
1) Pentafluorobenzene	7.701	168	63016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	93318	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	60733	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	17769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	25752	40.767	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.540%
35) Dibromofluoromethane	7.622	113	28322	46.417	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.840%
50) Toluene-d8	10.103	98	103704	47.229	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.460%
62) 4-Bromofluorobenzene	12.408	95	20461	27.335	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	54.660%
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	762	Below Cal	#	55
6) Chloroethane	2.702	64	31	Below Cal	#	42
16) Acetone	3.861	43	11441	97.663	ug/l #	87
20) Methylene Chloride	4.604	84	1328	Below Cal		90
25) 2-Butanone	6.884	43	2609	13.829	ug/l #	86
29) Tetrahydrofuran	7.262	42	122	1.006	ug/l #	37
31) Cyclohexane	7.695	56	1191	Below Cal	#	19
36) 1,1-Dichloropropene	7.701	75	4856	5.796	ug/l #	48
38) Carbon Tetrachloride	7.701	117	6001	6.180	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	10709	61.112	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	10709	150.927	ug/l #	16
95) Naphthalene	15.145	128	598	1.047	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.346	180	272	1.008	ug/l	63

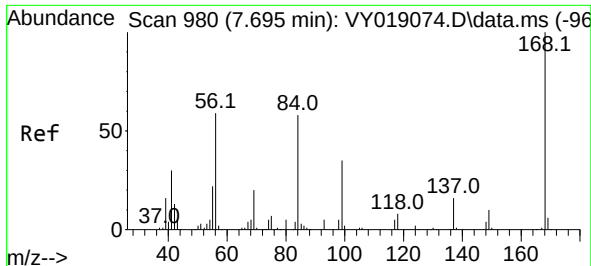
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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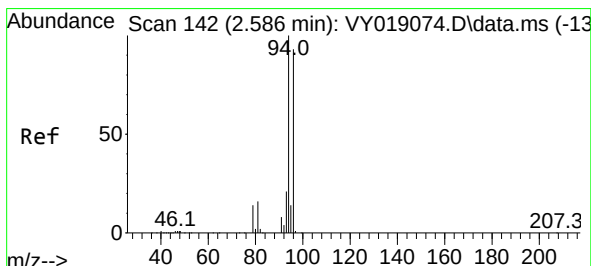
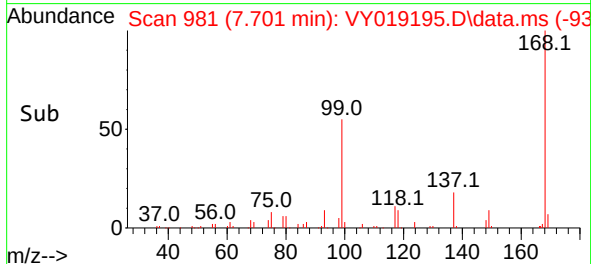
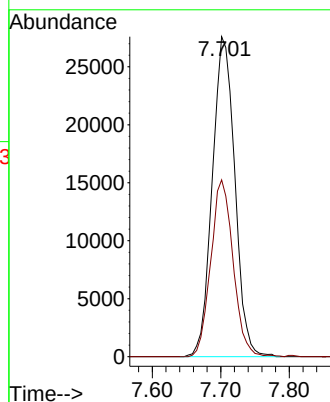
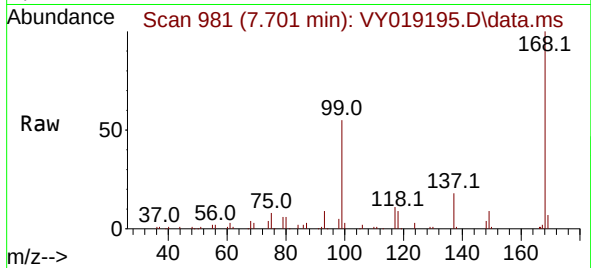




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

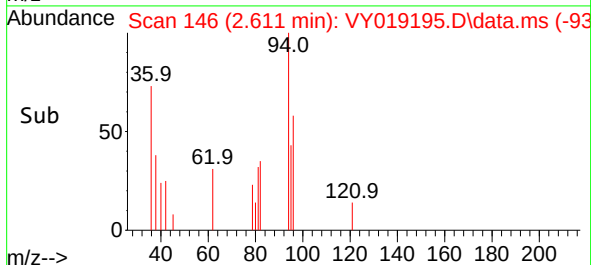
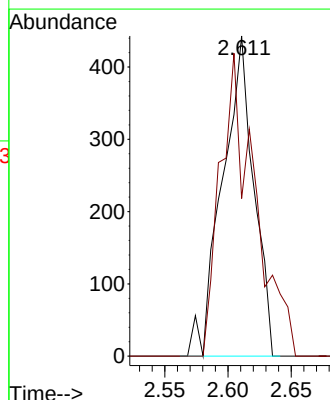
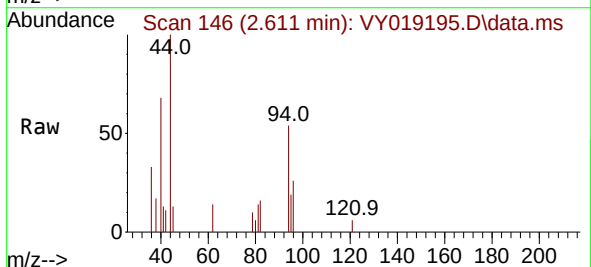
Instrument :
MSVOA_Y
ClientSampleId :

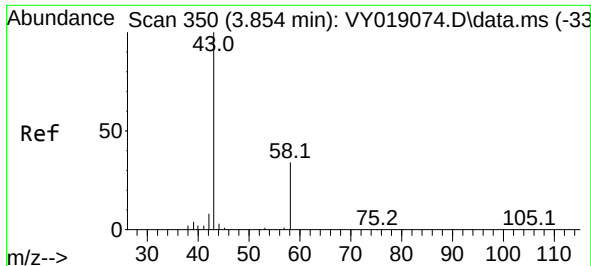
Tgt Ion:168 Resp: 63016
Ion Ratio Lower Upper
168 100
99 55.2 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.611 min Scan# 146
Delta R.T. 0.025 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

Tgt Ion: 94 Resp: 762
Ion Ratio Lower Upper
94 100
96 49.2 74.1 111.1#





#16

Acetone

Concen: 97.663 ug/l

RT: 3.861 min Scan# 3

Delta R.T. 0.007 min

Lab File: VY019195.D

Acq: 22 Aug 2024 03:21

Instrument :

MSVOA_Y

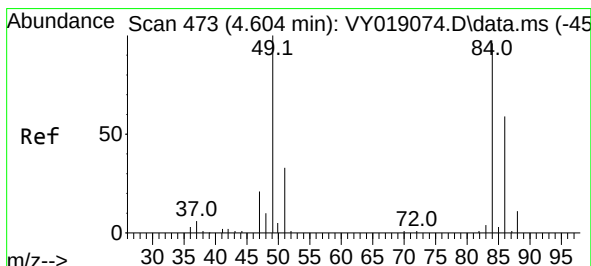
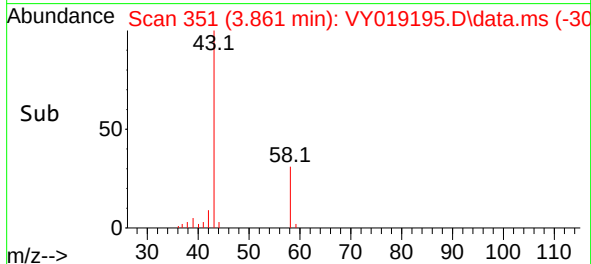
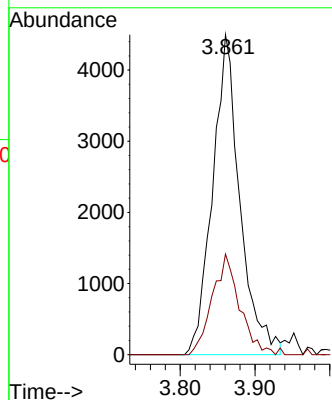
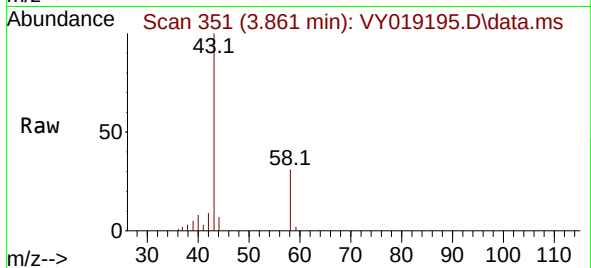
ClientSampleId :

Tgt Ion: 43 Resp: 11441

Ion Ratio Lower Upper

43 100

58 31.4 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY019195.D

Acq: 22 Aug 2024 03:21

Tgt Ion: 84 Resp: 1328

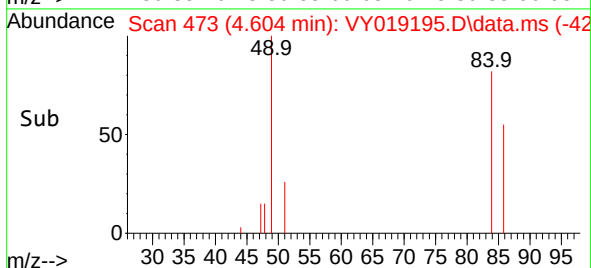
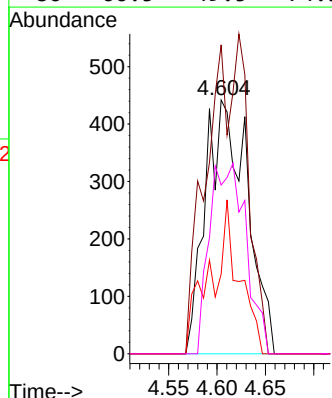
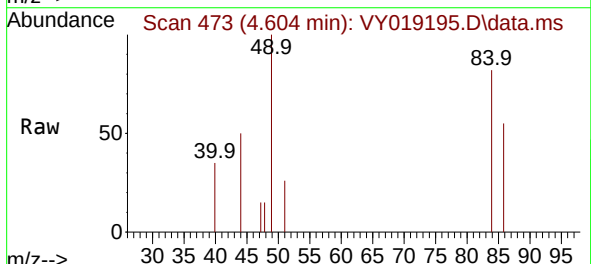
Ion Ratio Lower Upper

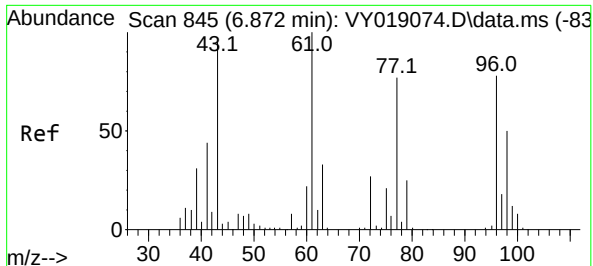
84 100

49 121.7 84.4 126.6

51 31.4 26.0 39.0

86 66.5 49.5 74.3





#25

2-Butanone

Concen: 13.829 ug/l

RT: 6.884 min Scan# 845

Delta R.T. 0.013 min

Lab File: VY019195.D

Acq: 22 Aug 2024 03:21

Instrument :

MSVOA_Y

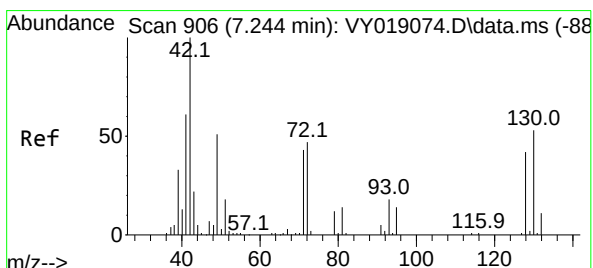
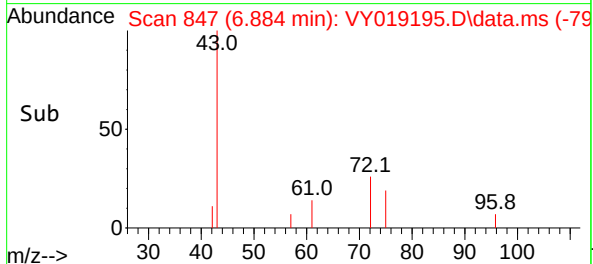
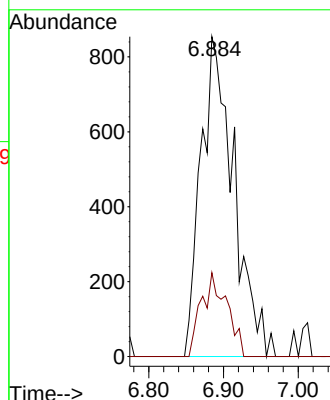
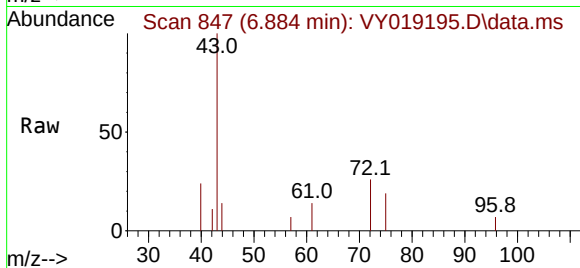
ClientSampleId :

Tgt Ion: 43 Resp: 2609

Ion Ratio Lower Upper

43 100

72 26.2 27.3 40.9#



#29

Tetrahydrofuran

Concen: 1.006 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.019 min

Lab File: VY019195.D

Acq: 22 Aug 2024 03:21

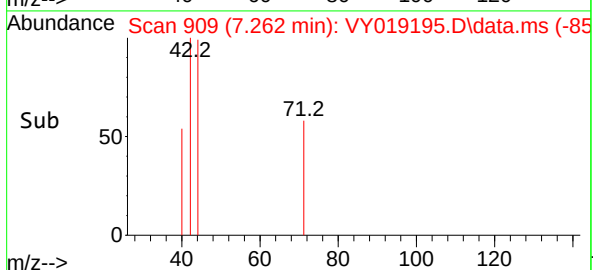
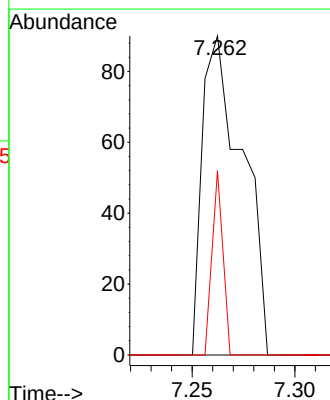
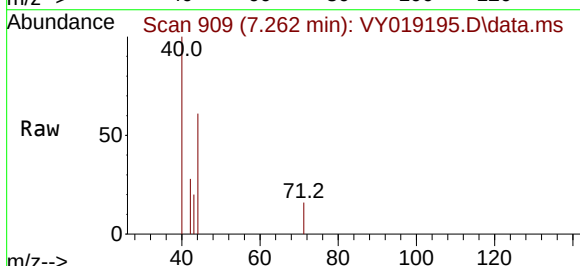
Tgt Ion: 42 Resp: 122

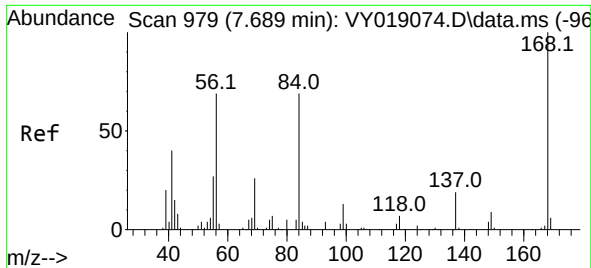
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 15.6 40.8 61.2#

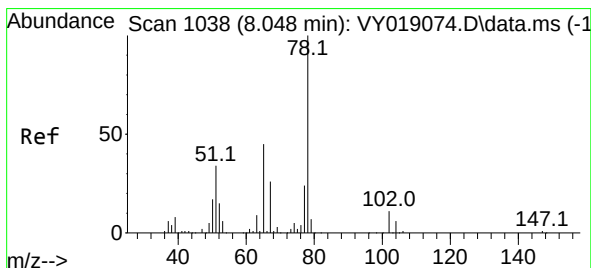
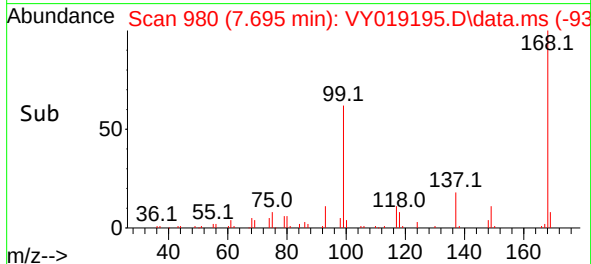
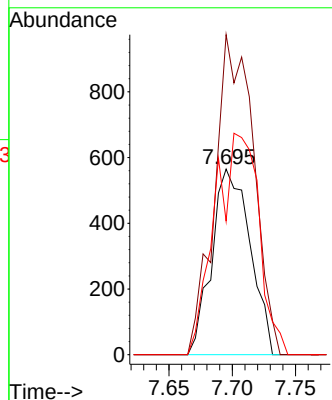
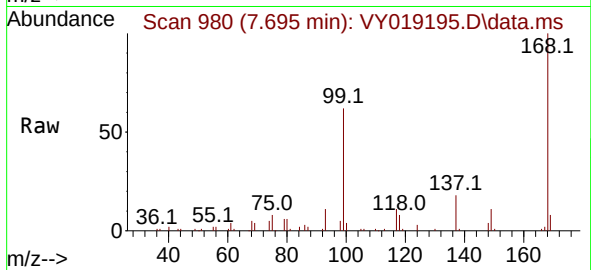




#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

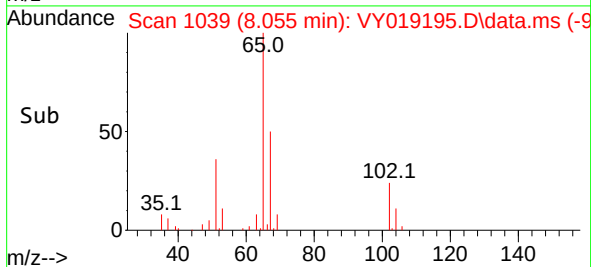
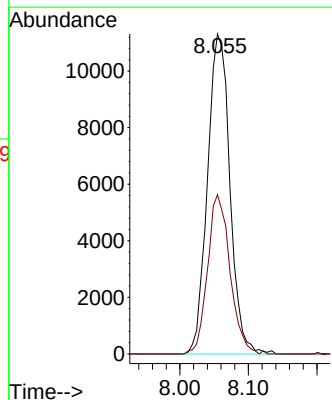
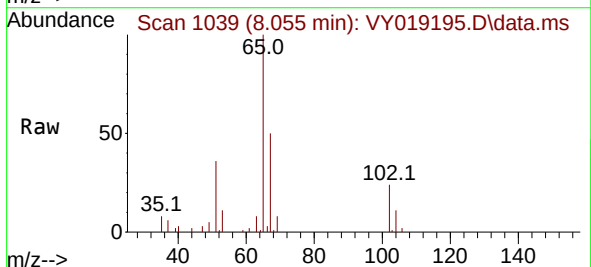
Instrument :
MSVOA_Y
ClientSampleId :

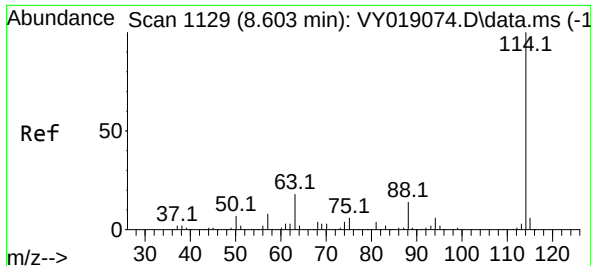
Tgt Ion: 56 Resp: 1191
Ion Ratio Lower Upper
56 100
69 172.4 28.7 43.1#
84 72.0 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 40.767 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.007 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

Tgt Ion: 65 Resp: 25752
Ion Ratio Lower Upper
65 100
67 49.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1129

Delta R.T. 0.007 min

Lab File: VY019195.D

Acq: 22 Aug 2024 03:21

Instrument :

MSVOA_Y

ClientSampleId :

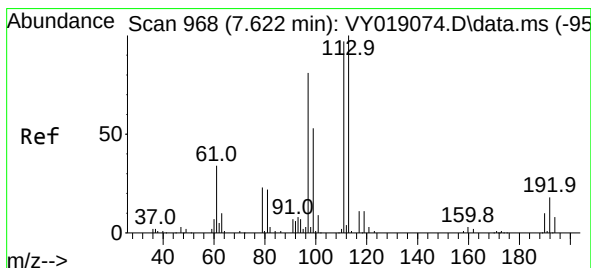
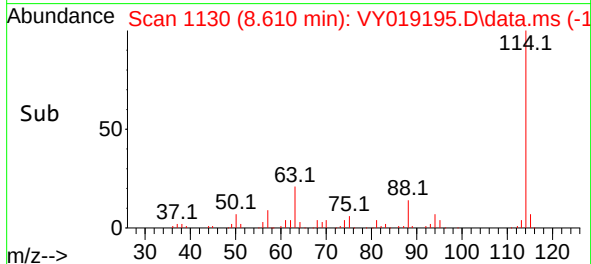
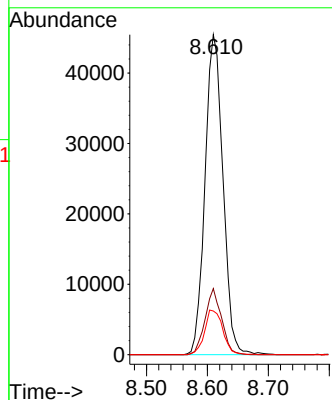
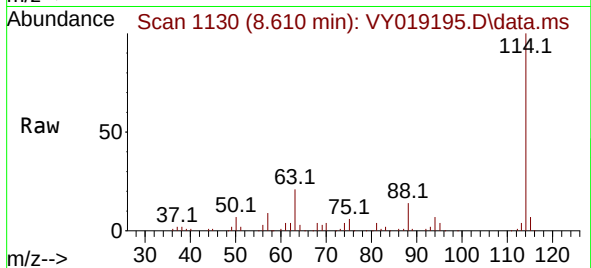
Tgt Ion:114 Resp: 93318

Ion Ratio Lower Upper

114 100

63 20.6 0.0 35.0

88 13.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.417 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019195.D

Acq: 22 Aug 2024 03:21

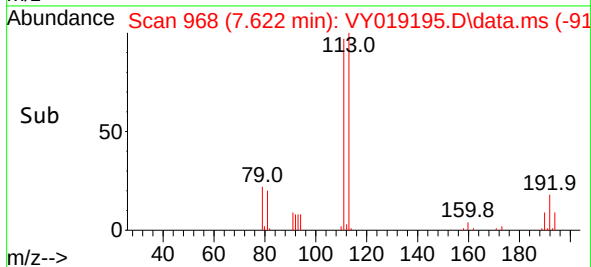
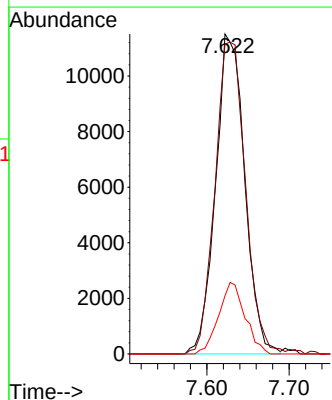
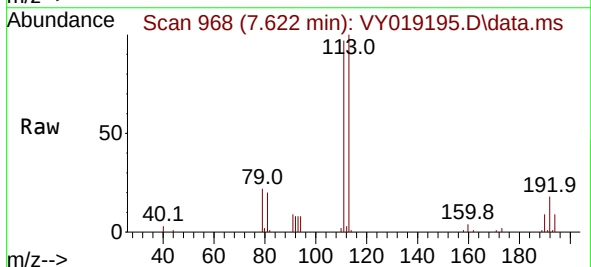
Tgt Ion:113 Resp: 28322

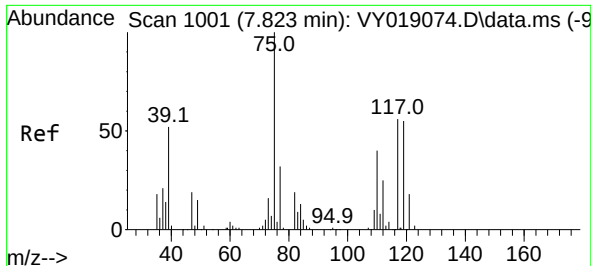
Ion Ratio Lower Upper

113 100

111 101.4 82.2 123.4

192 20.3 15.9 23.9

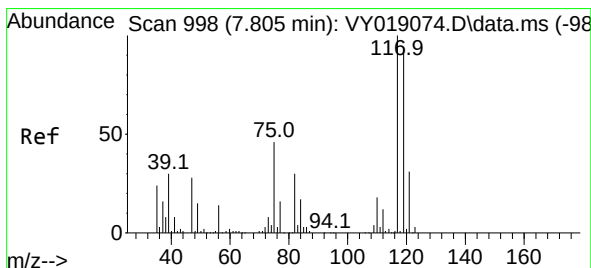
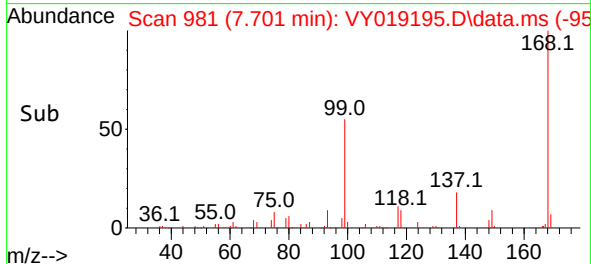
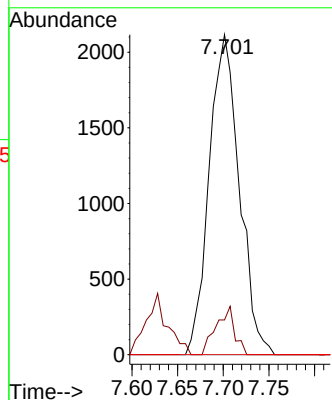
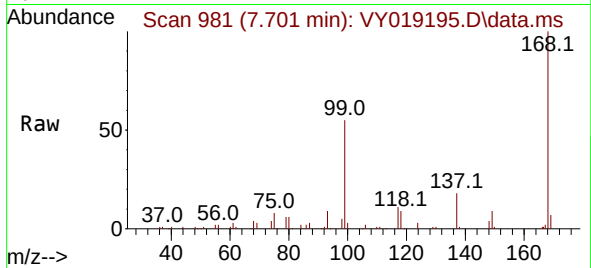




#36
 1,1-Dichloropropene
 Concen: 5.796 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.122 min
 Lab File: VY019195.D
 Acq: 22 Aug 2024 03:21

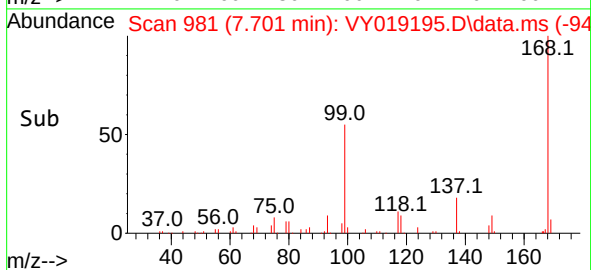
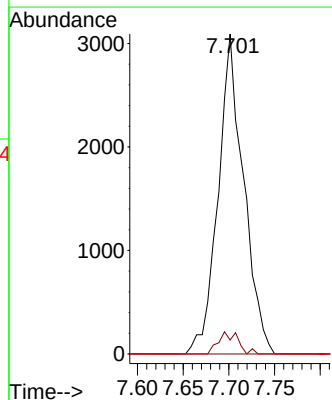
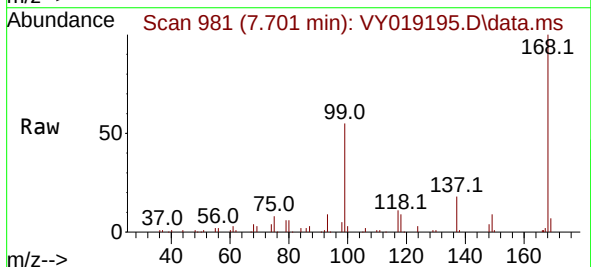
Instrument :
 MSVOA_Y
 ClientSampleId :

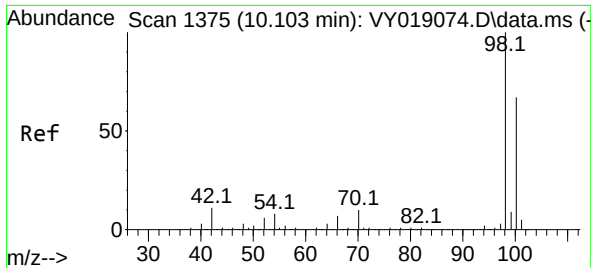
Tgt Ion: 75 Resp: 4856
 Ion Ratio Lower Upper
 75 100
 110 9.2 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 6.180 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.103 min
 Lab File: VY019195.D
 Acq: 22 Aug 2024 03:21

Tgt Ion: 117 Resp: 6001
 Ion Ratio Lower Upper
 117 100
 119 4.3 75.8 113.6#
 121 0.0 24.0 36.0#

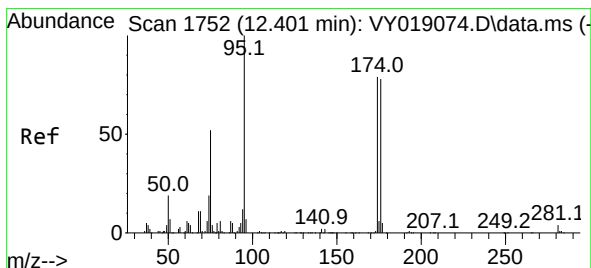
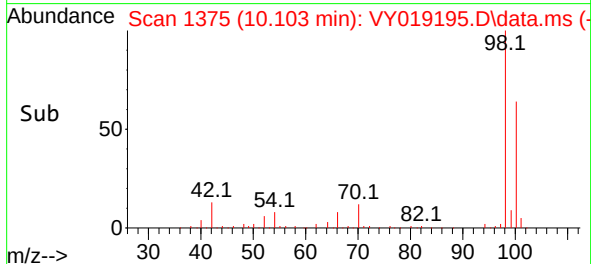
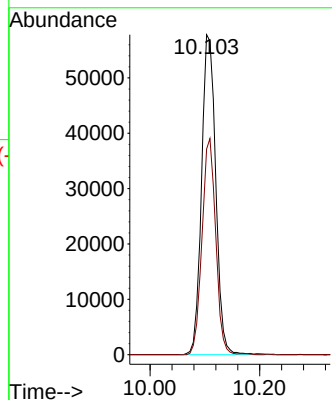
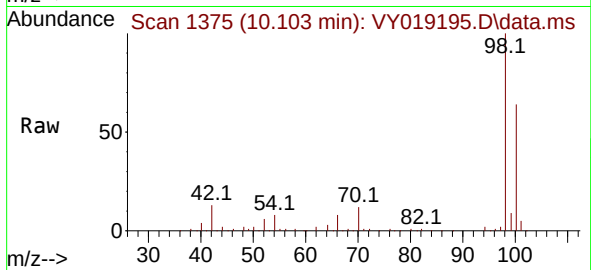




#50
Toluene-d8
Concen: 47.229 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

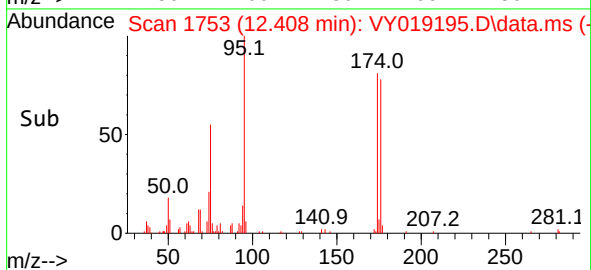
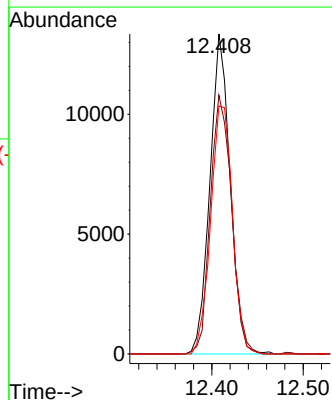
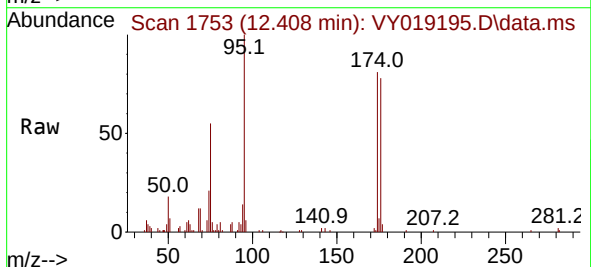
Instrument :
MSVOA_Y
ClientSampleId :

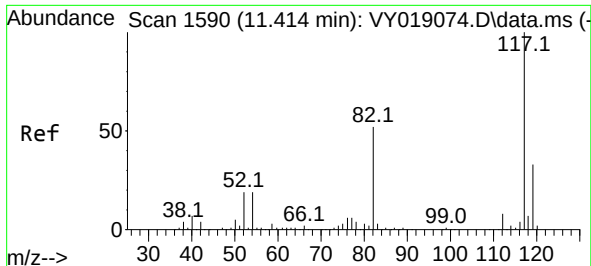
Tgt Ion: 98 Resp: 103704
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 27.335 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.007 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

Tgt Ion: 95 Resp: 20461
Ion Ratio Lower Upper
95 100
174 85.8 0.0 175.6
176 83.8 0.0 171.4

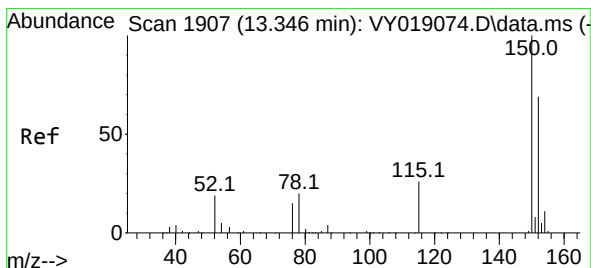
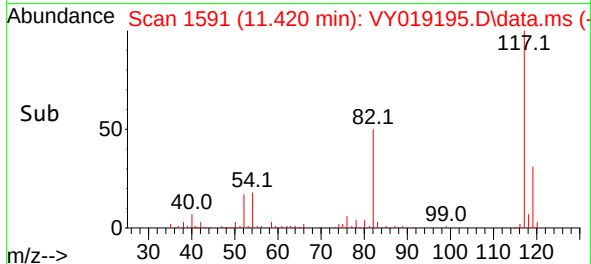
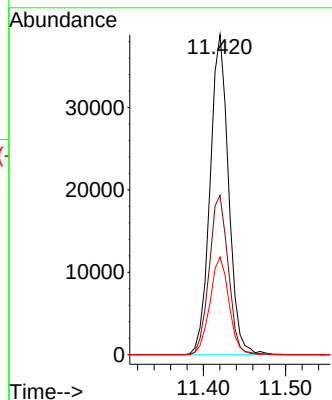
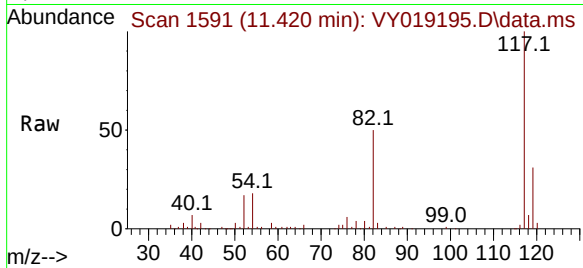




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

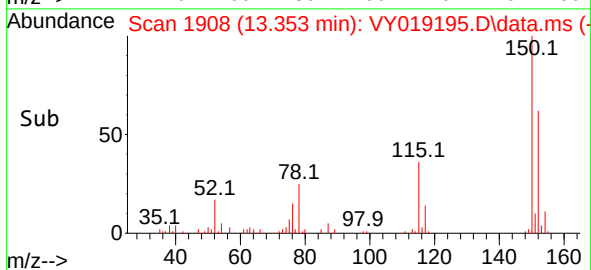
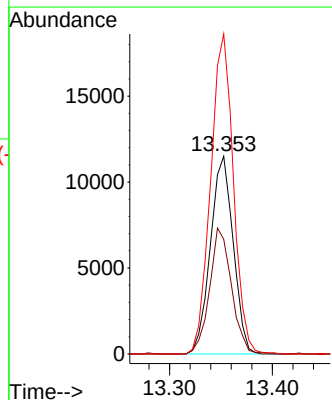
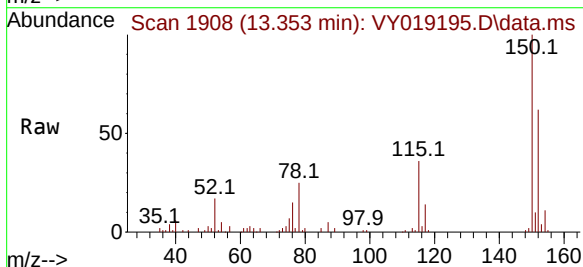
Instrument :
MSVOA_Y
ClientSampleId :

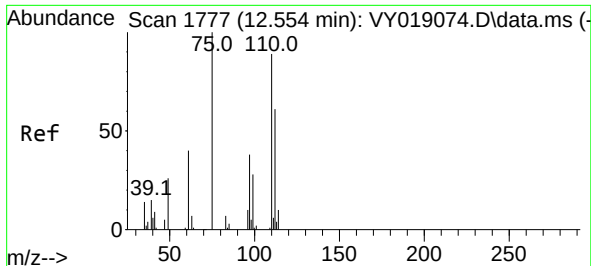
Tgt Ion:117 Resp: 60733
Ion Ratio Lower Upper
117 100
82 49.8 42.4 63.6
119 30.5 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.007 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

Tgt Ion:152 Resp: 17769
Ion Ratio Lower Upper
152 100
115 60.7 28.2 84.7
150 160.8 0.0 345.6

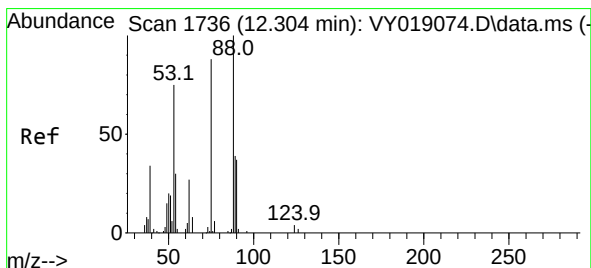
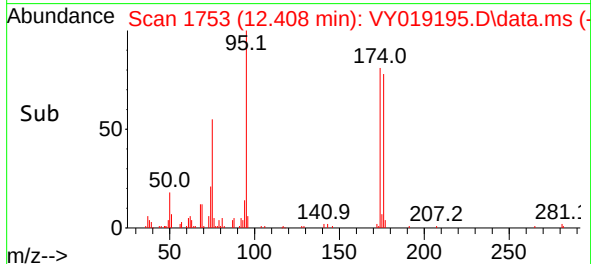
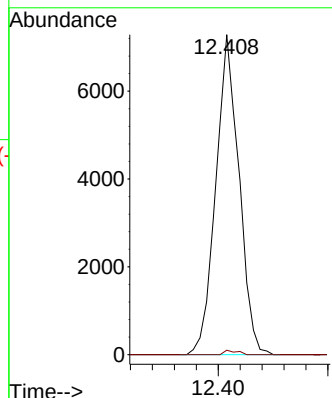
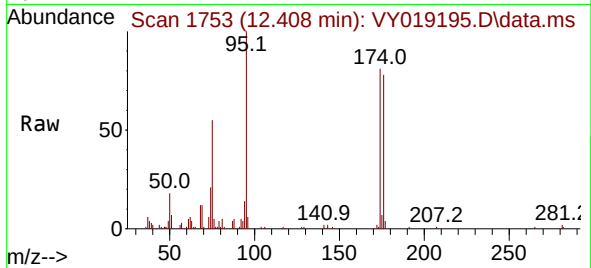




#76
1,2,3-Trichloropropane
Concen: 61.112 ug/l
RT: 12.408 min Scan# 1777
Delta R.T. -0.146 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

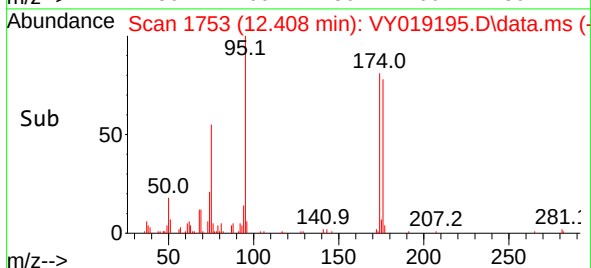
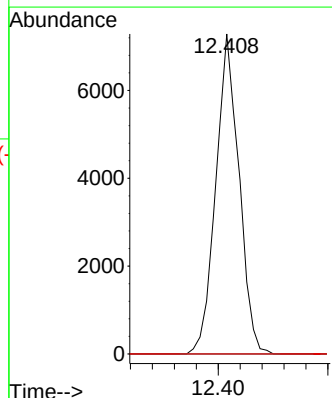
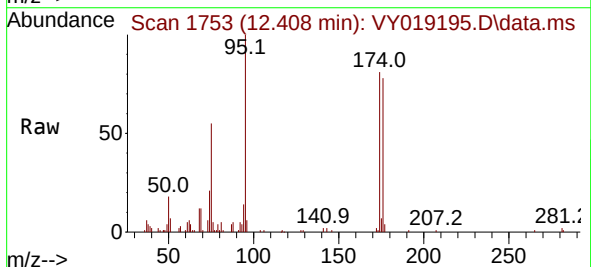
Instrument :
MSVOA_Y
ClientSampleId :

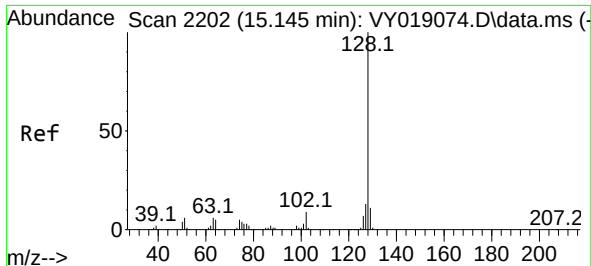
Tgt Ion: 75 Resp: 10709
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 150.927 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

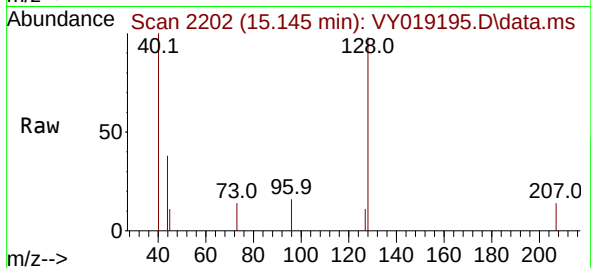
Tgt Ion: 75 Resp: 10709
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



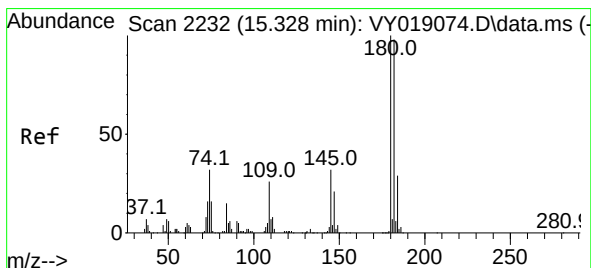
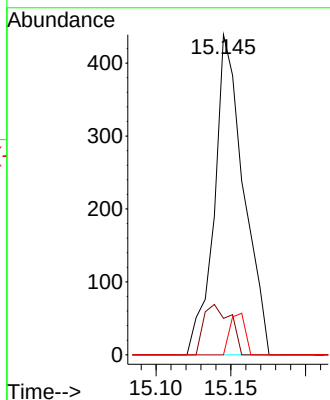
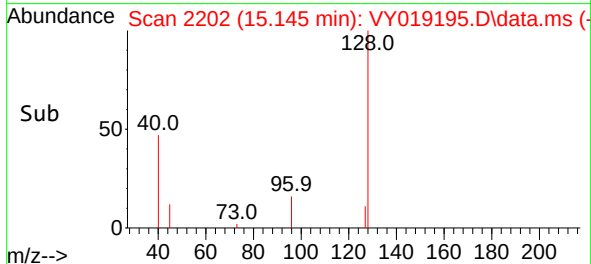


#95
Naphthalene
Concen: 1.047 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21

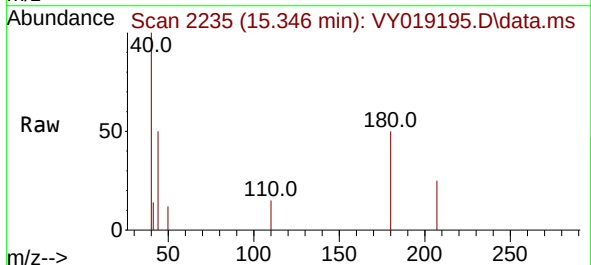
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 598
Ion Ratio Lower Upper
128 100
127 14.2 10.6 16.0
129 6.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 1.008 ug/l
RT: 15.346 min Scan# 2235
Delta R.T. 0.019 min
Lab File: VY019195.D
Acq: 22 Aug 2024 03:21



Tgt Ion:180 Resp: 272
Ion Ratio Lower Upper
180 100
182 51.8 47.6 142.9
145 37.9 15.4 46.1

