

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081224\
 Data File : VY019005.D
 Acq On : 12 Aug 2024 16:23
 Operator : SY/MD
 Sample : P3519-23
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-CF-04-080624

Quant Time: Aug 13 01:16:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

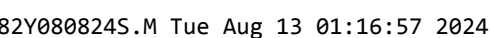
Internal Standards						
1) Pentafluorobenzene	7.695	168	41916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	49153	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	22960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	4873	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	6167	16.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	33.520%#
35) Dibromofluoromethane	7.622	113	13384	42.633	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.260%
50) Toluene-d8	10.103	98	55330	45.885	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.780%
62) 4-Bromofluorobenzene	12.408	95	6273	17.535	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	35.060%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.153	50	19	Below Cal	#	43
13) Acrolein	3.696	56	18	Below Cal	#	15
16) Acetone	3.830	43	78	13.305	ug/l #	36
31) Cyclohexane	7.701	56	1026	Below Cal	#	46
36) 1,1-Dichloropropene	7.695	75	3163	7.506	ug/l #	44
38) Carbon Tetrachloride	7.695	117	3602	7.455	ug/l #	13
41) Methacrylonitrile	6.988	41	19	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.097	43	376	1.861	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	4035	111.147	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	4035	229.030	ug/l #	16

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

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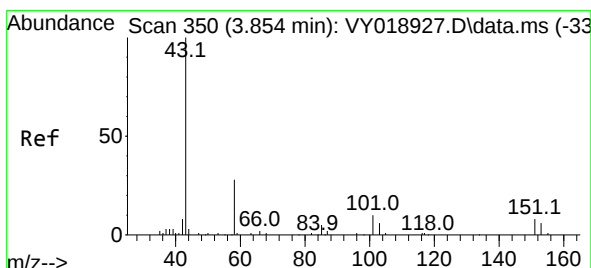
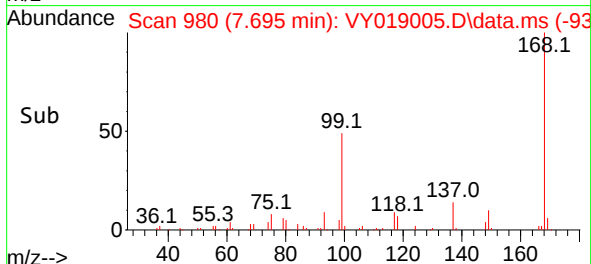
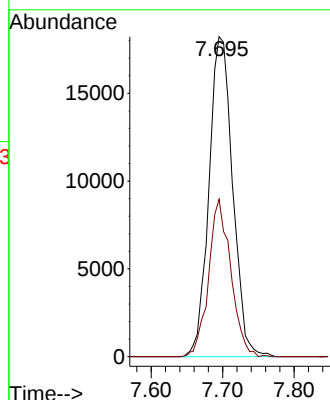
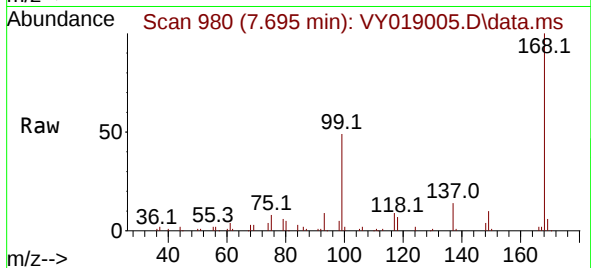




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

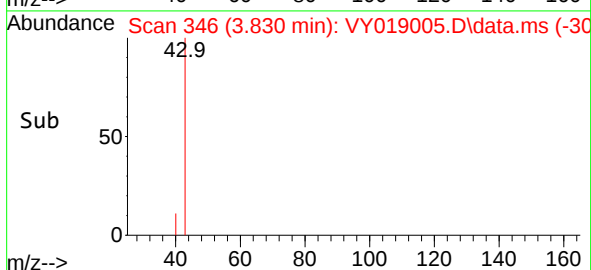
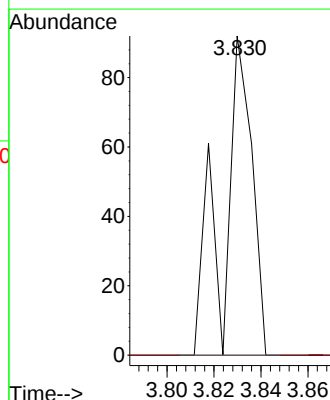
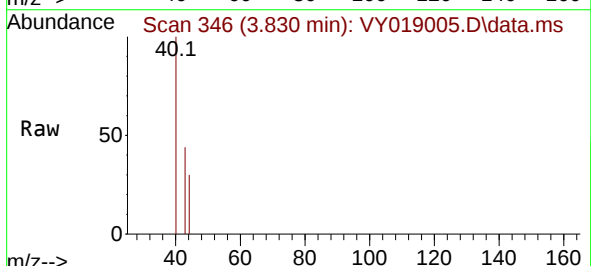
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-04-080624

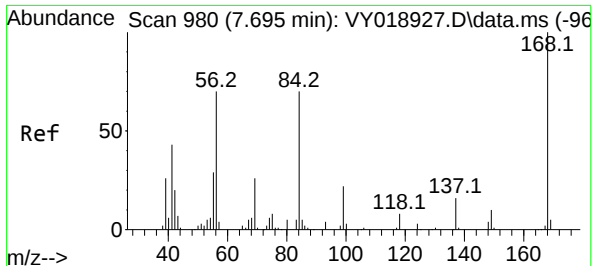
Tgt Ion:168 Resp: 41916
Ion Ratio Lower Upper
168 100
99 49.2 39.1 58.7



#16
Acetone
Concen: 13.305 ug/l
RT: 3.830 min Scan# 346
Delta R.T. -0.024 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

Tgt Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

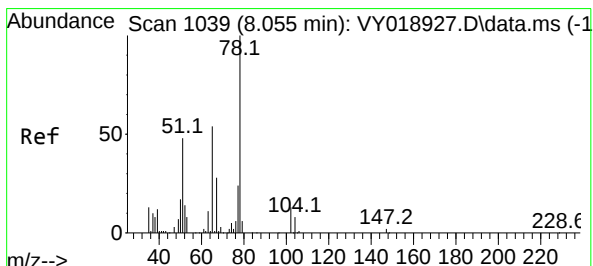
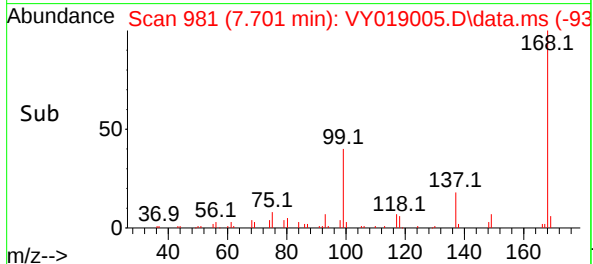
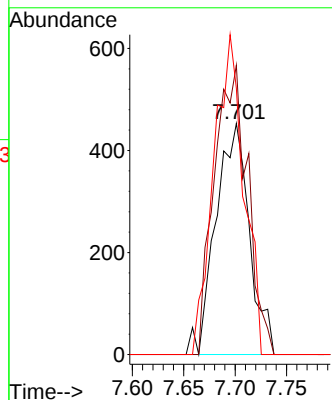
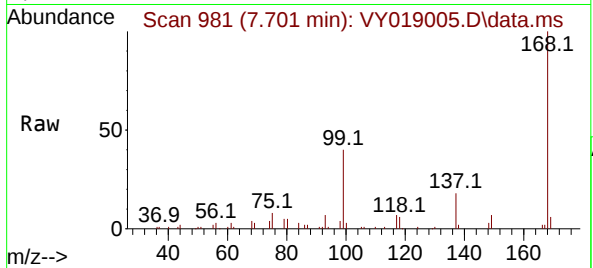




#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

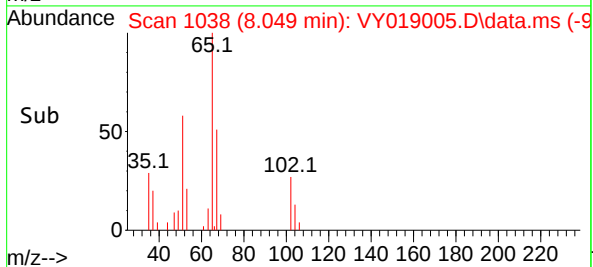
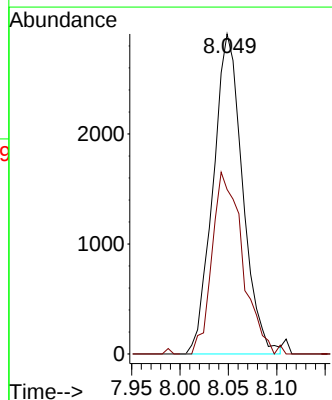
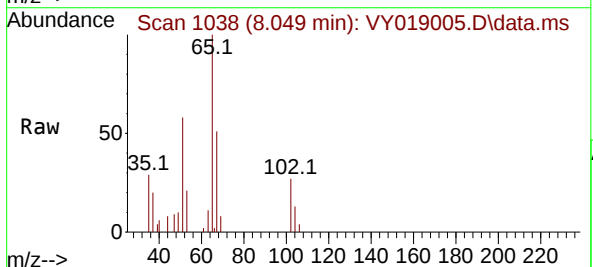
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-04-080624

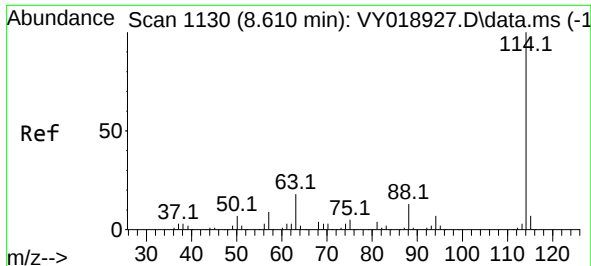
Tgt Ion: 56 Resp: 1026
Ion Ratio Lower Upper
56 100
69 125.2 28.7 43.1#
84 115.2 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 16.757 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

Tgt Ion: 65 Resp: 6167
Ion Ratio Lower Upper
65 100
67 58.6 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY019005.D

Acq: 12 Aug 2024 16:23

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-04-080624

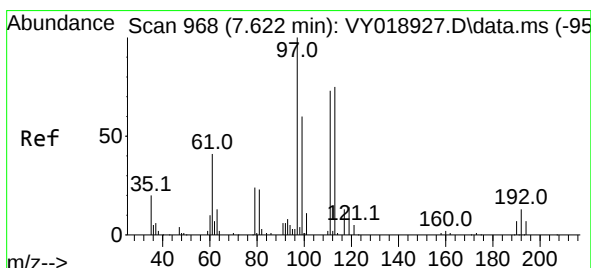
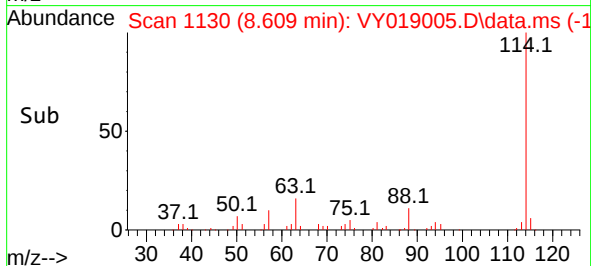
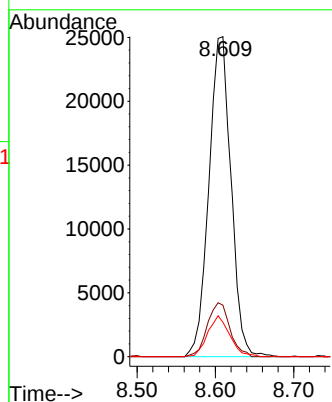
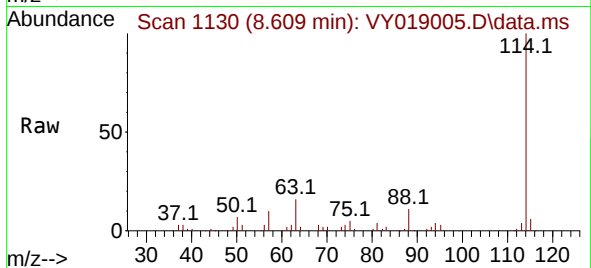
Tgt Ion:114 Resp: 49153

Ion Ratio Lower Upper

114 100

63 16.1 0.0 35.0

88 10.8 0.0 27.2



#35

Dibromofluoromethane

Concen: 42.633 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY019005.D

Acq: 12 Aug 2024 16:23

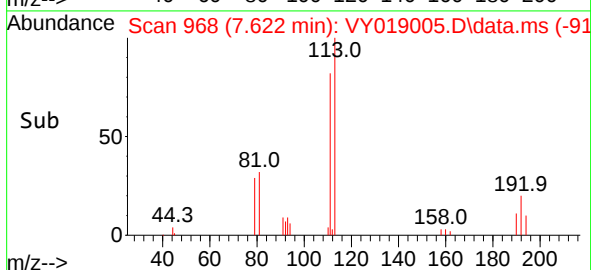
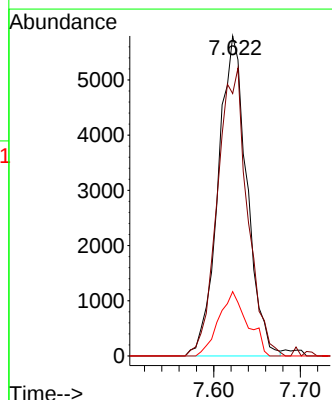
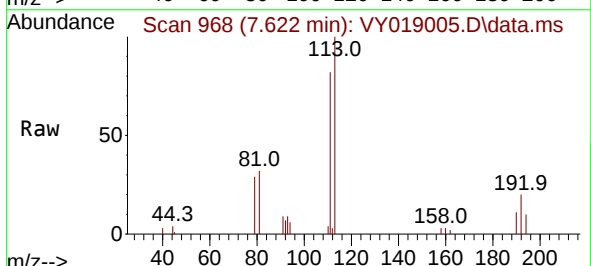
Tgt Ion:113 Resp: 13384

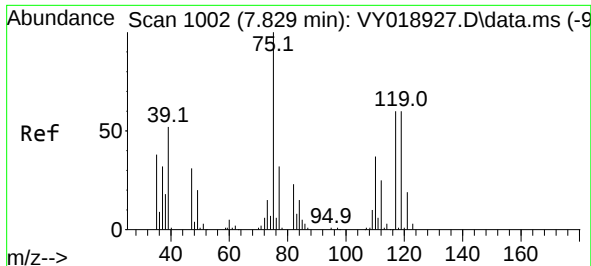
Ion Ratio Lower Upper

113 100

111 93.7 82.2 123.4

192 20.2 15.9 23.9





#36

1,1-Dichloropropene

Concen: 7.506 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY019005.D

Acq: 12 Aug 2024 16:23

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-04-080624

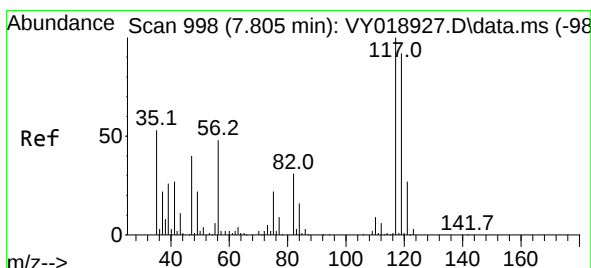
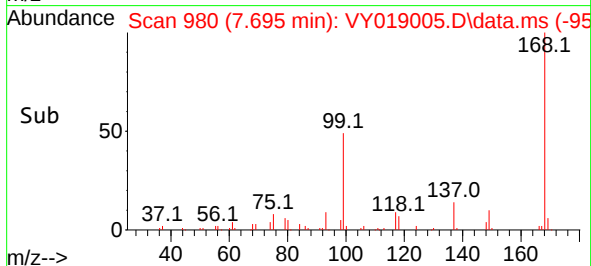
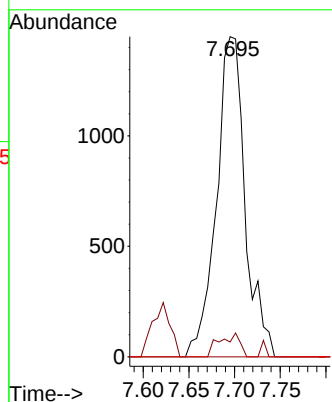
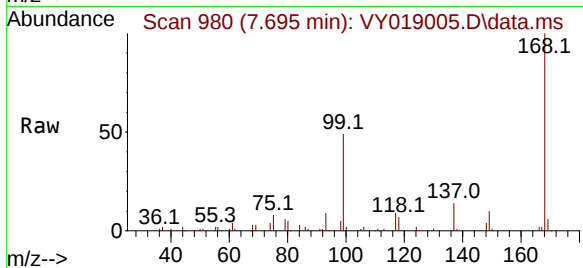
Tgt Ion: 75 Resp: 3163

Ion Ratio Lower Upper

75 100

110 5.3 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.455 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019005.D

Acq: 12 Aug 2024 16:23

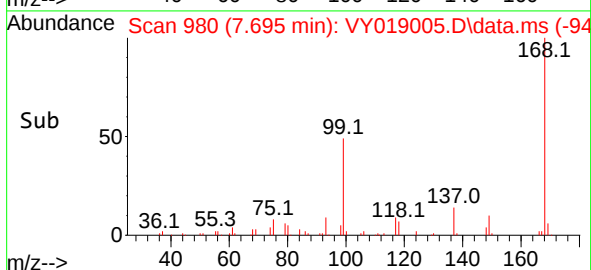
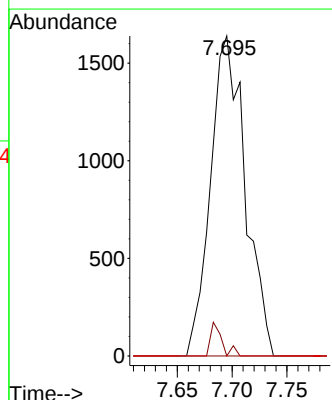
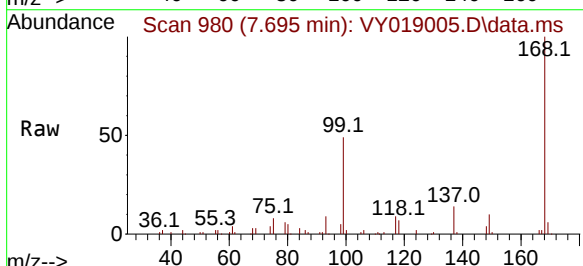
Tgt Ion: 117 Resp: 3602

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#

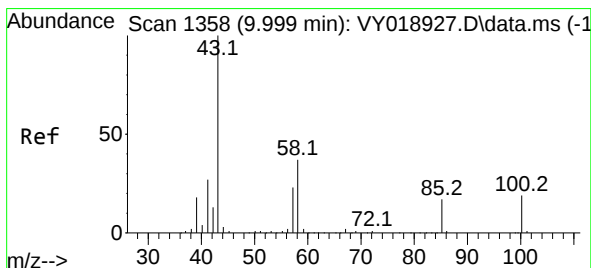
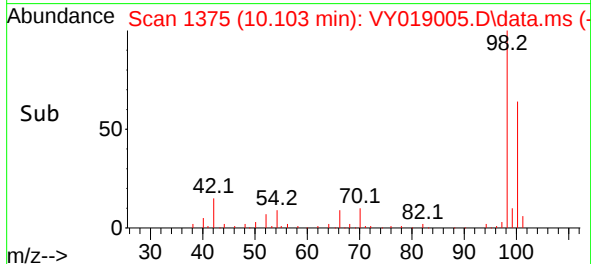
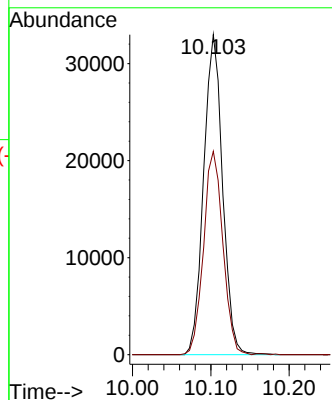
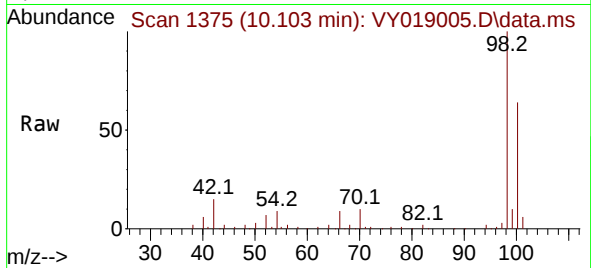




#50
Toluene-d8
Concen: 45.885 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

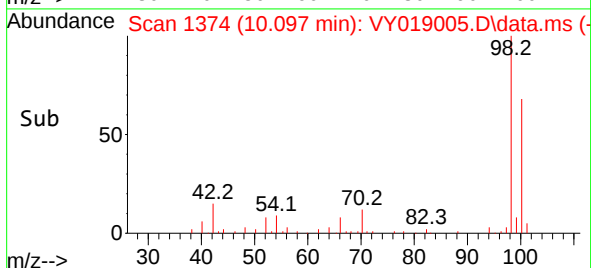
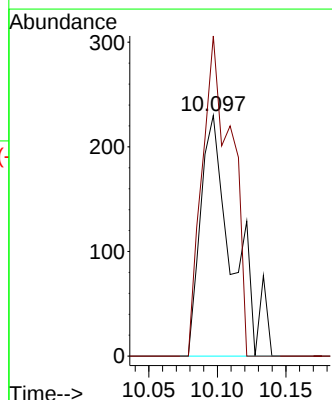
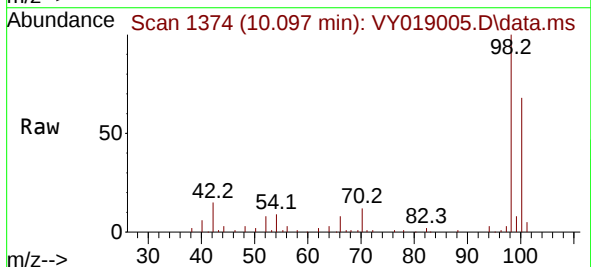
Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-04-080624

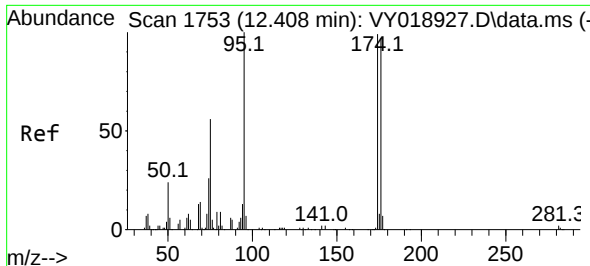
Tgt Ion: 98 Resp: 55330
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.861 ug/l
RT: 10.097 min Scan# 1374
Delta R.T. 0.098 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

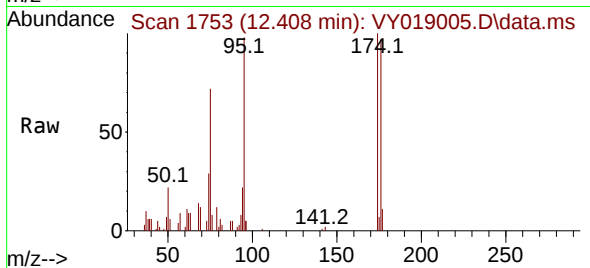
Tgt Ion: 43 Resp: 376
Ion Ratio Lower Upper
43 100
58 121.3 35.7 53.5



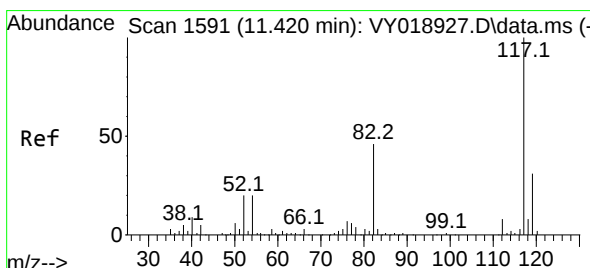
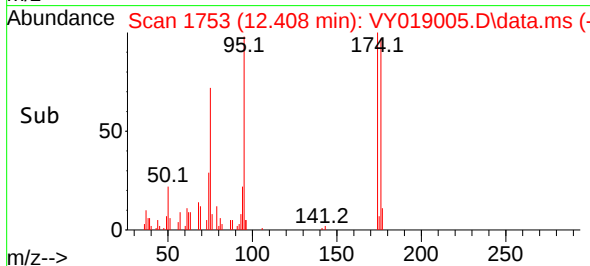
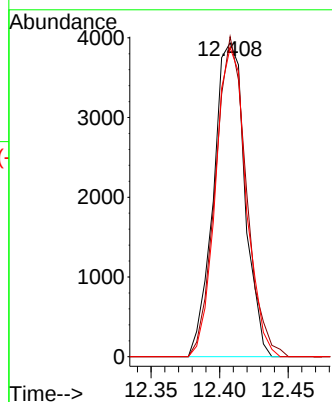


#62
4-Bromofluorobenzene
Concen: 17.535 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

Instrument :
MSVOA_Y
ClientSampleId :
OU4-CF-04-080624

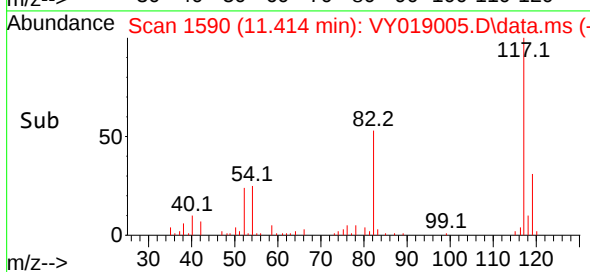
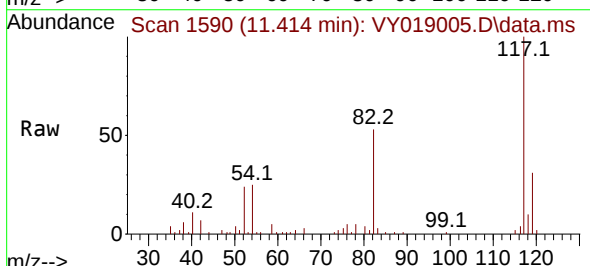
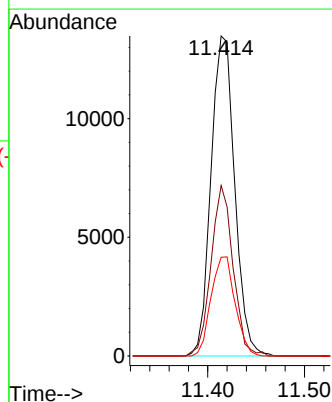


Tgt Ion:	95	Resp:	6273
Ion	Ratio	Lower	Upper
95	100		
174	99.9	0.0	175.6
176	95.9	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

Tgt Ion:	117	Resp:	22960
Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.4	63.6
119	30.8	25.9	38.9

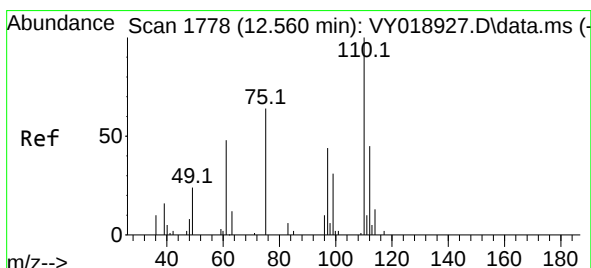
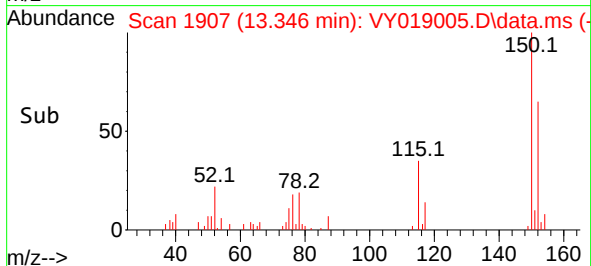
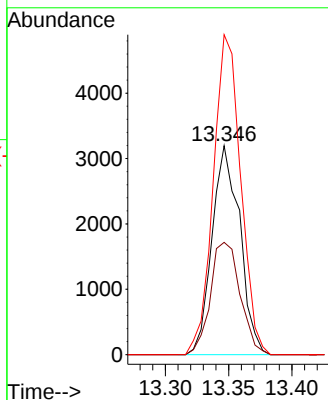
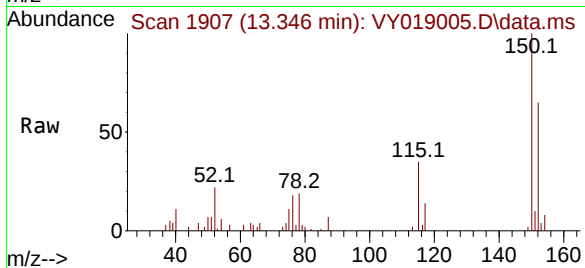




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

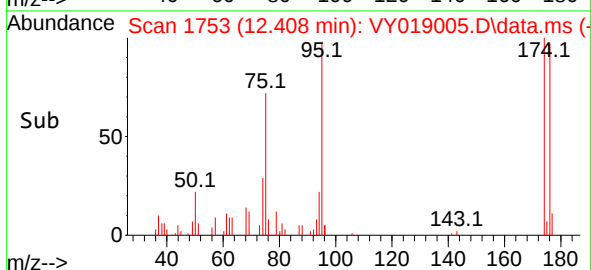
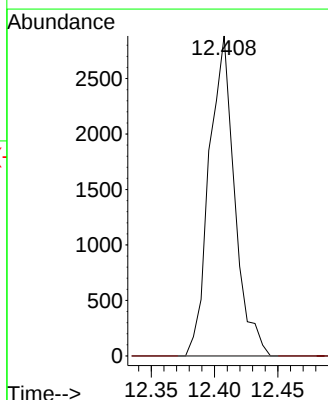
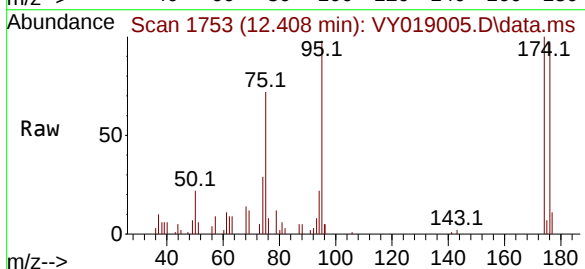
Instrument :
MSVOA_Y
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OU4-CF-04-080624

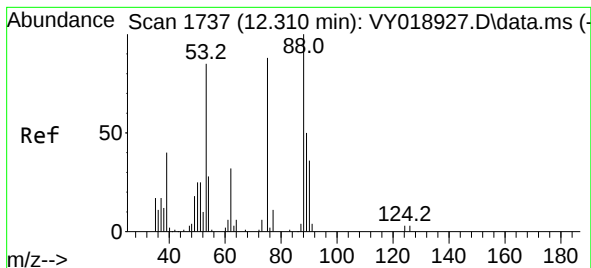
Tgt Ion:152 Resp: 4873
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 151.4 0.0 345.6



#76
1,2,3-Trichloropropane
Concen: 111.147 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019005.D
Acq: 12 Aug 2024 16:23

Tgt Ion: 75 Resp: 4035
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81

trans-1,4-Dichloro-2-butene

Concen: 229.030 ug/l

RT: 12.408 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY019005.D

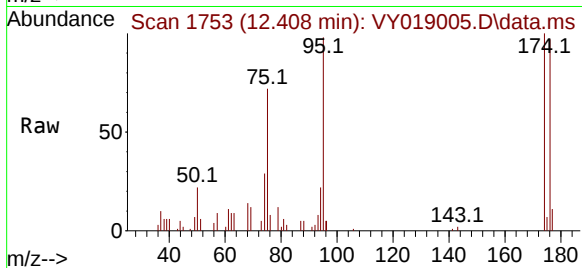
Acq: 12 Aug 2024 16:23

Instrument :

MSVOA_Y

ClientSampleId :

OU4-CF-04-080624



Tgt Ion: 75 Resp: 4035

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

