

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081324\
 Data File : VY019028.D
 Acq On : 13 Aug 2024 14:41
 Operator : SY/MD
 Sample : P3519-09
 Misc : 4.57g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-20-080724RE

Quant Time: Aug 14 01:37:30 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)

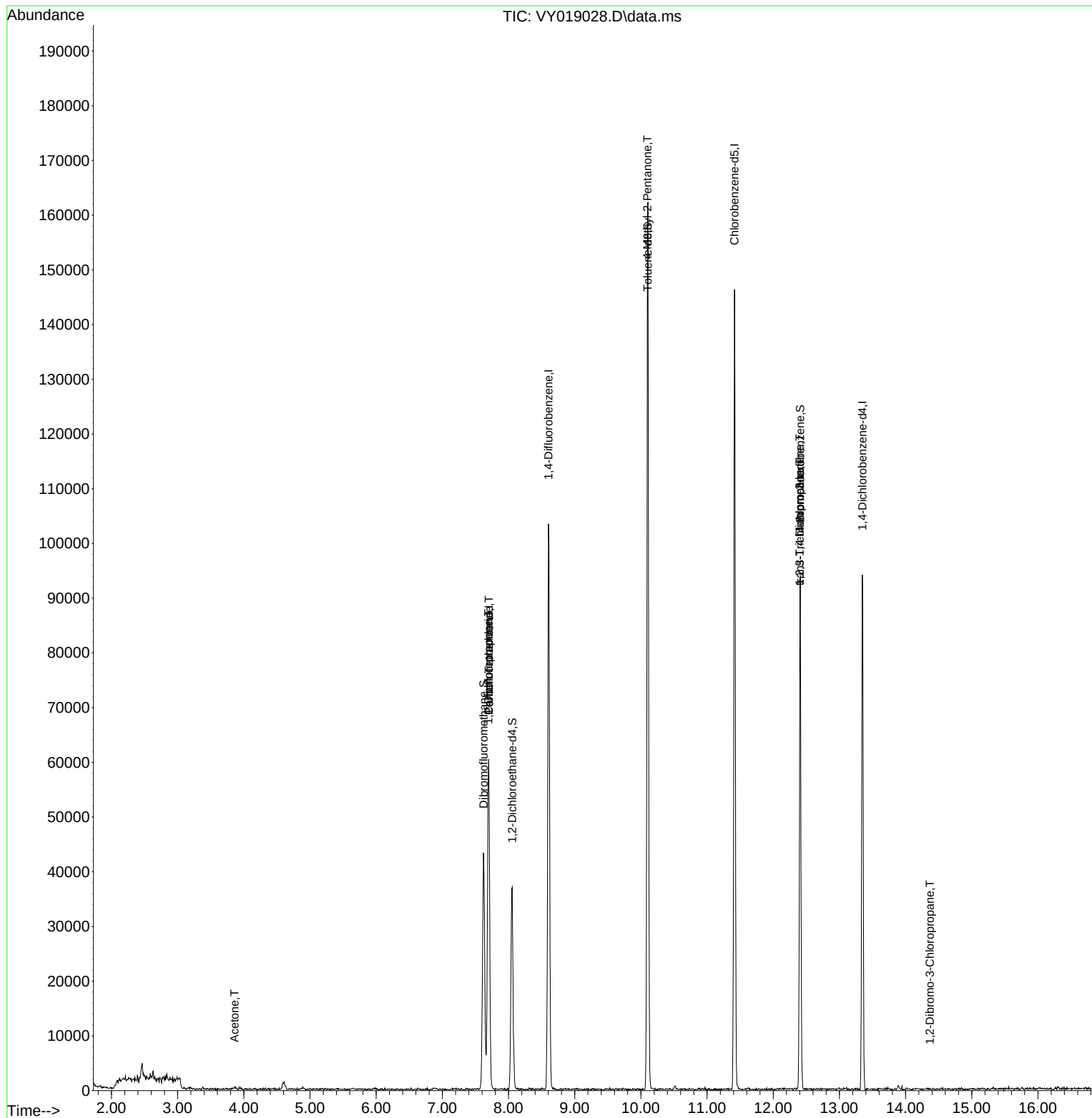
Internal Standards						
1) Pentafluorobenzene	7.701	168	50055	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	86442	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	72097	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	21977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	22623	51.477	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.960%
35) Dibromofluoromethane	7.622	113	26542	48.075	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.160%
50) Toluene-d8	10.103	98	99207	46.782	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.560%
62) 4-Bromofluorobenzene	12.408	95	21602	34.336	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.680%
Target Compounds						
11) Tert butyl alcohol	4.836	59	95	Below Cal	#	88
16) Acetone	3.860	43	738	18.698	ug/l #	36
20) Methylene Chloride	4.604	84	822	Below Cal	#	82
31) Cyclohexane	7.695	56	1049	Below Cal	#	41
36) 1,1-Dichloropropene	7.695	75	3749	5.059	ug/l #	44
38) Carbon Tetrachloride	7.701	117	4748	5.588	ug/l #	15
41) Methacrylonitrile	7.049	41	21	Below Cal	#	2
51) 4-Methyl-2-Pentanone	10.097	43	552	1.554	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	13027	79.566	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	13027	163.953	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.364	75	62	1.751	ug/l #	1

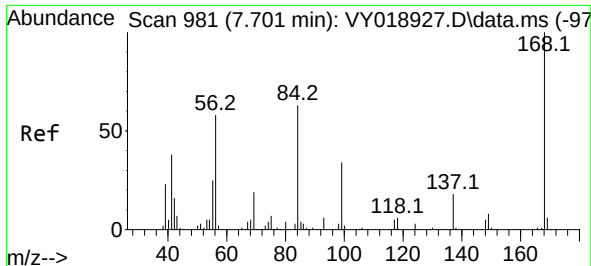
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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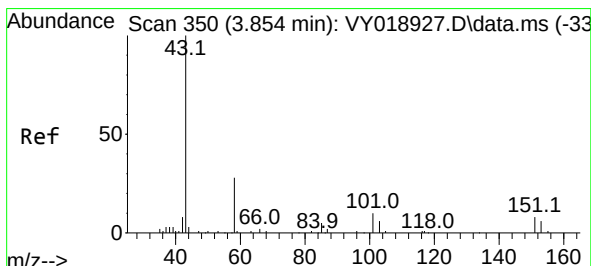
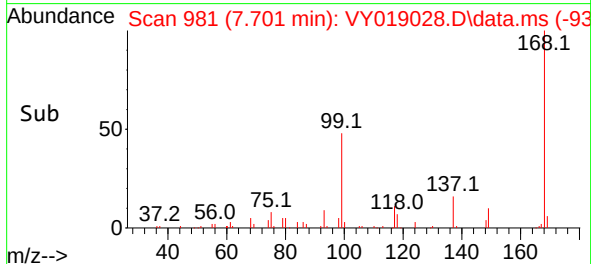
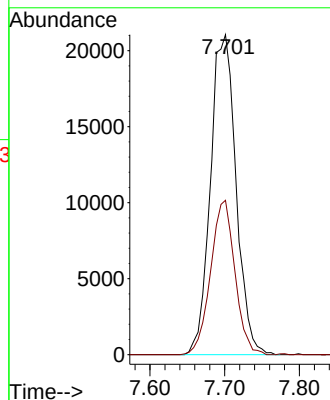
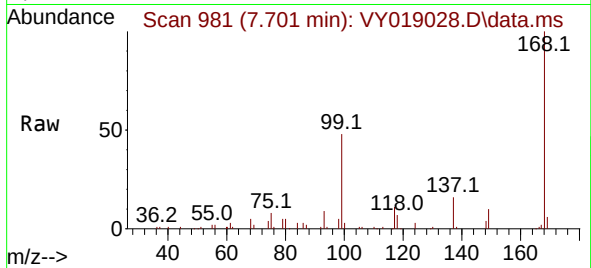




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

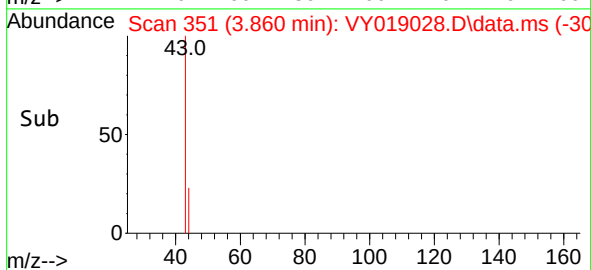
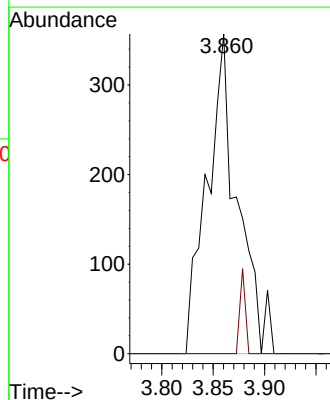
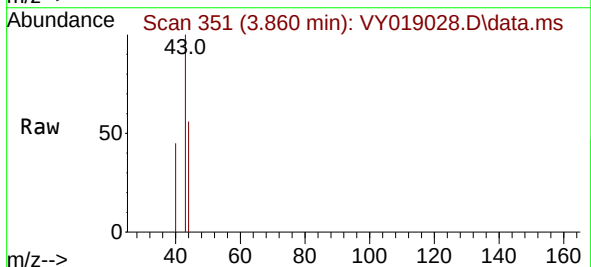
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-20-080724RE

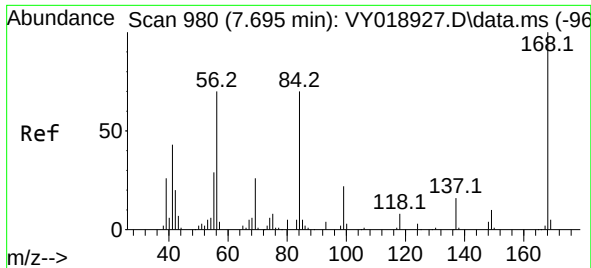
Tgt Ion:168 Resp: 50055
Ion Ratio Lower Upper
168 100
99 48.3 39.1 58.7



#16
Acetone
Concen: 18.698 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

Tgt Ion: 43 Resp: 738
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

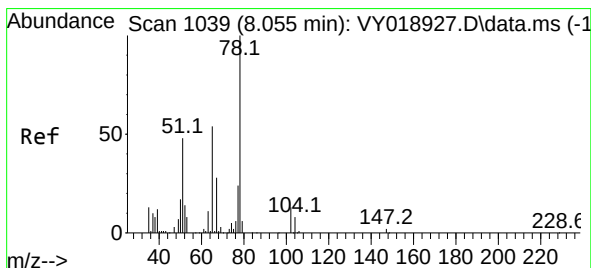
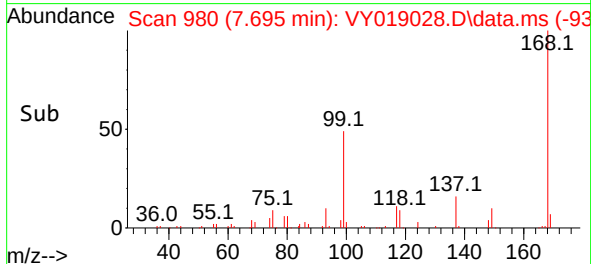
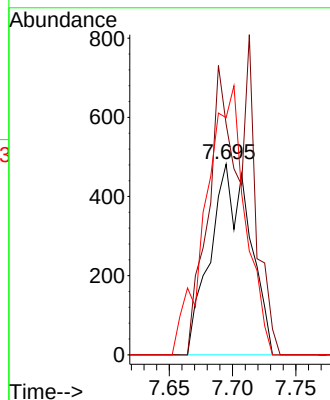
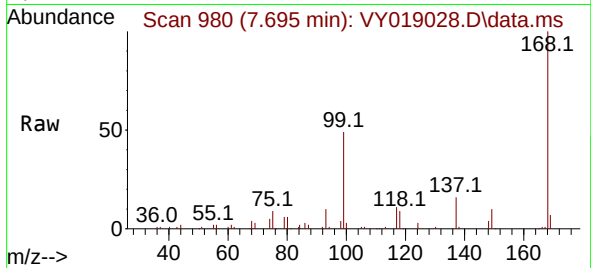




#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

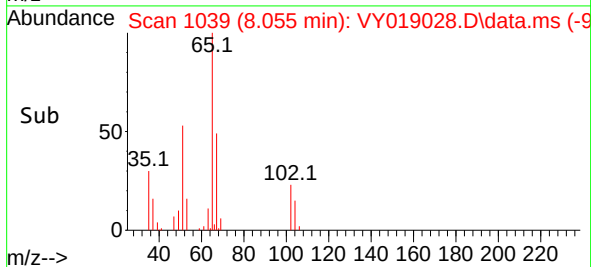
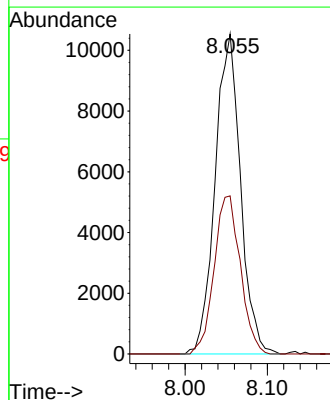
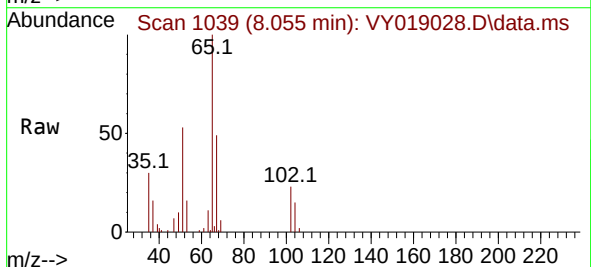
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-20-080724RE

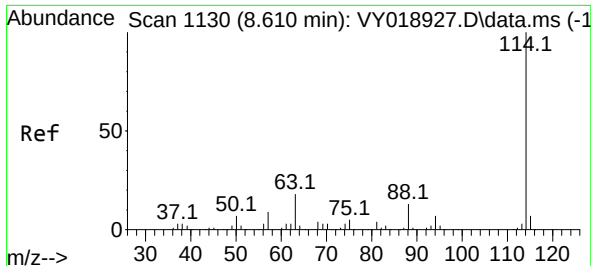
Tgt Ion: 56 Resp: 1049
Ion Ratio Lower Upper
56 100
69 121.0 28.7 43.1#
84 124.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.477 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

Tgt Ion: 65 Resp: 22623
Ion Ratio Lower Upper
65 100
67 51.1 0.0 109.6

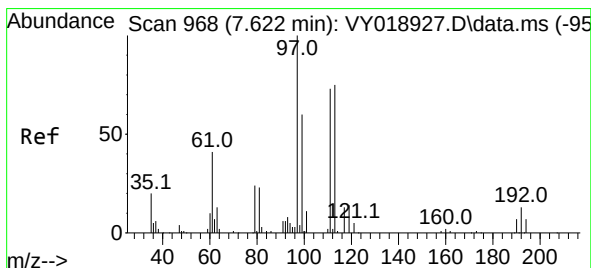
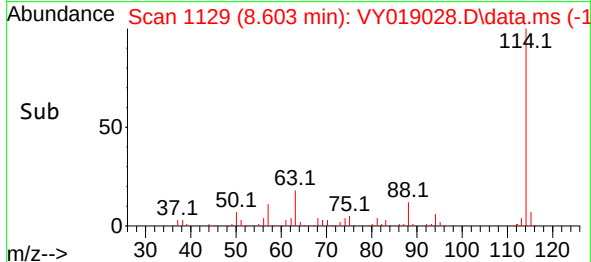
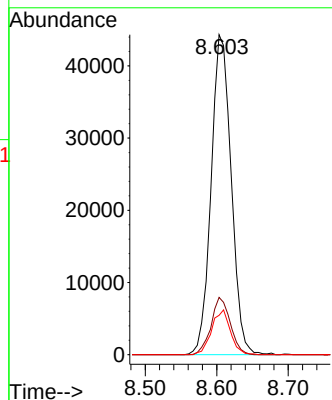
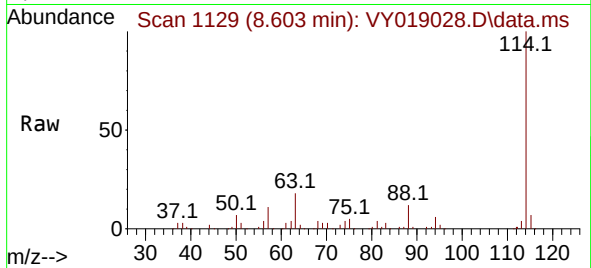




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.603 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

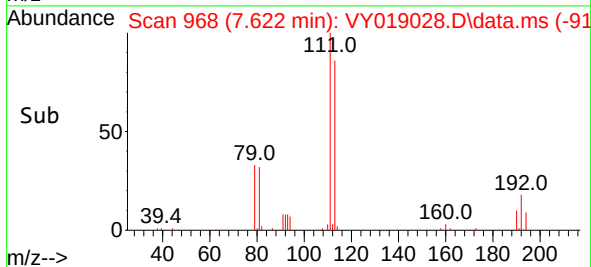
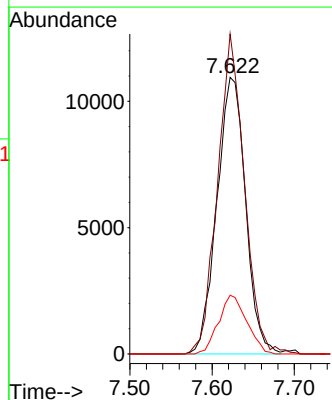
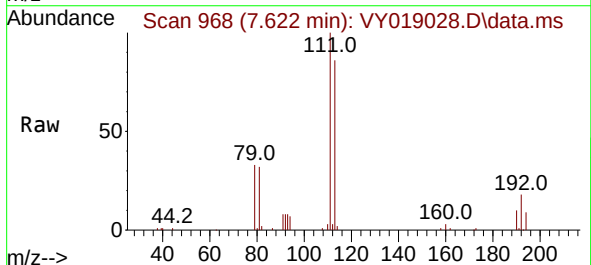
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-20-080724RE

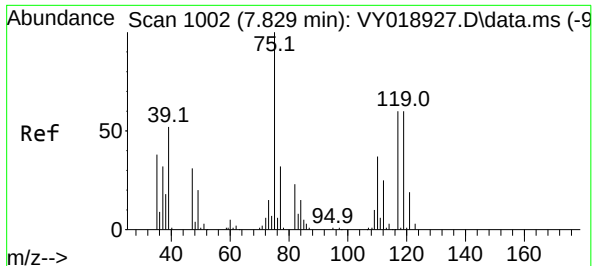
Tgt Ion:114 Resp: 86442
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.0
88 12.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 48.075 ug/l
RT: 7.622 min Scan# 968
Delta R.T. -0.000 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

Tgt Ion:113 Resp: 26542
Ion Ratio Lower Upper
113 100
111 108.0 82.2 123.4
192 20.9 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.059 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY019028.D

Acq: 13 Aug 2024 14:41

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-20-080724RE

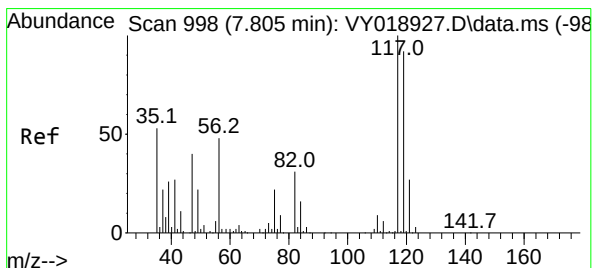
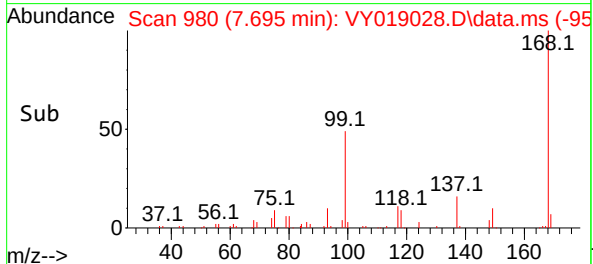
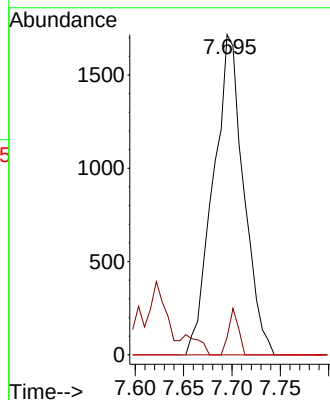
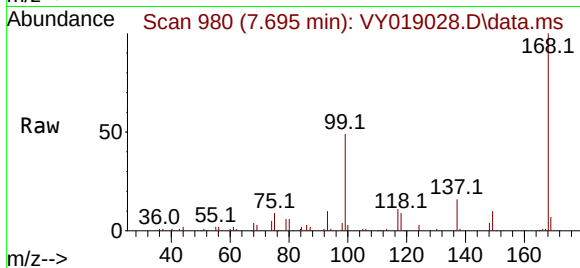
Tgt Ion: 75 Resp: 3749

Ion Ratio Lower Upper

75 100

110 4.7 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.588 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019028.D

Acq: 13 Aug 2024 14:41

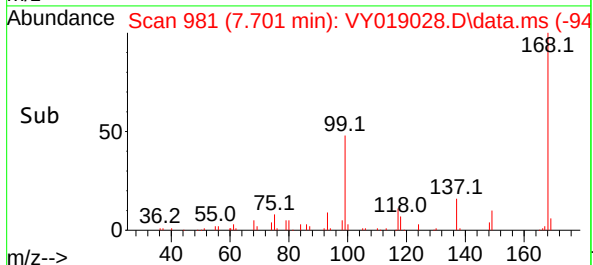
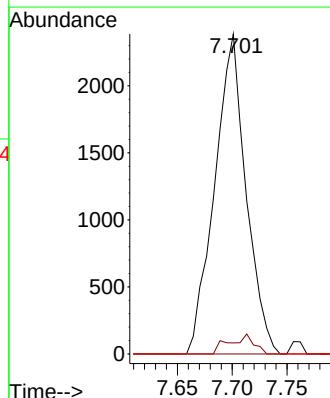
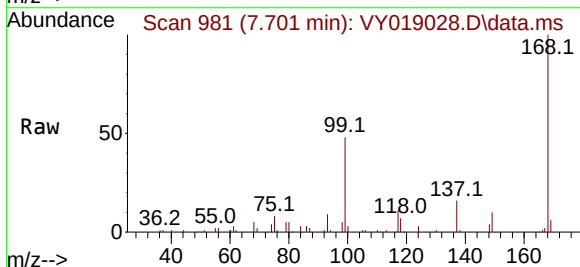
Tgt Ion: 117 Resp: 4748

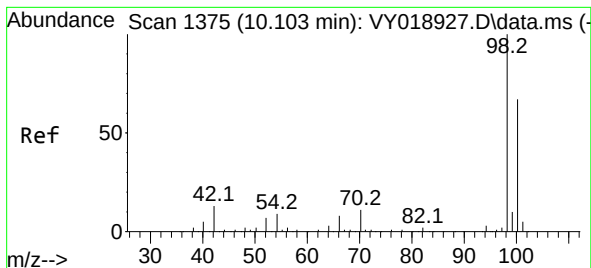
Ion Ratio Lower Upper

117 100

119 3.4 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 46.782 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY019028.D

Acq: 13 Aug 2024 14:41

Instrument :

MSVOA_Y

ClientSampleId :

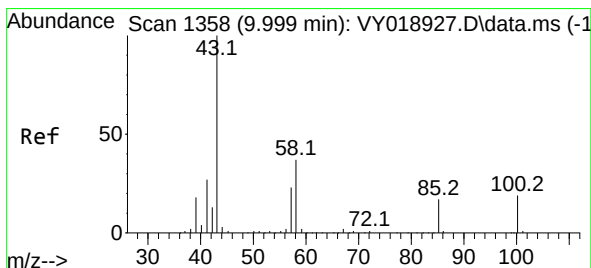
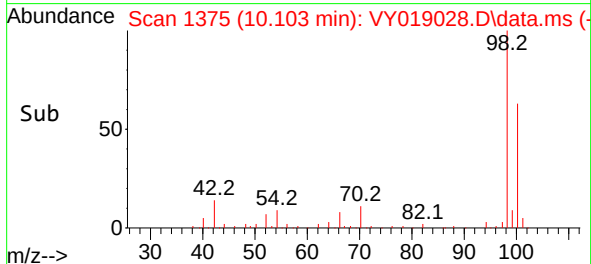
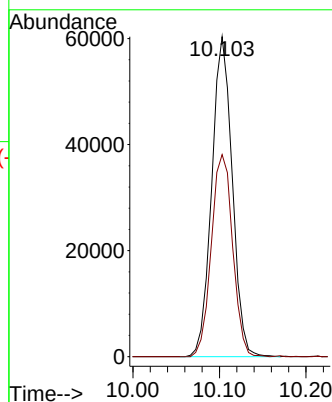
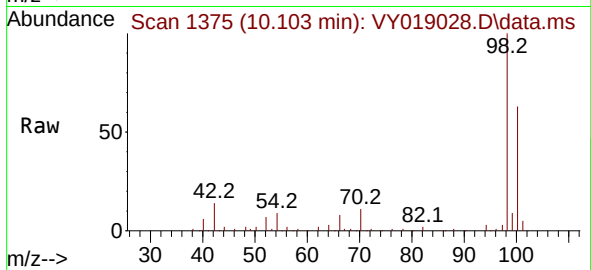
OU4-TS-20-080724RE

Tgt Ion: 98 Resp: 99207

Ion Ratio Lower Upper

98 100

100 65.6 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.554 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.097 min

Lab File: VY019028.D

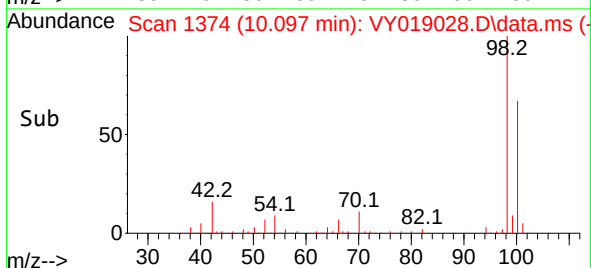
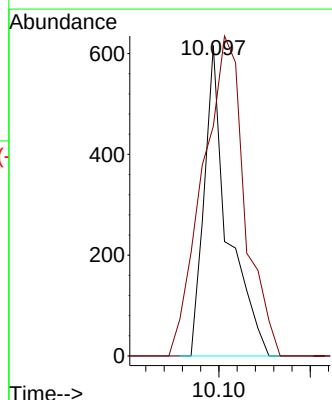
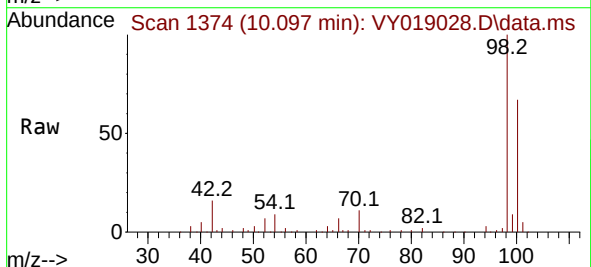
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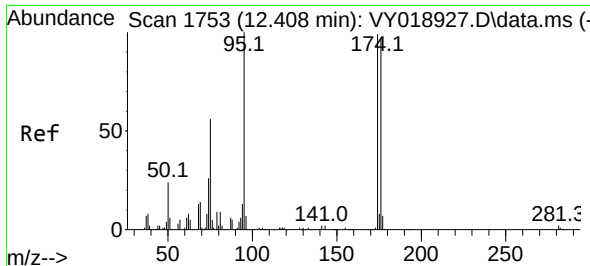
Tgt Ion: 43 Resp: 552

Ion Ratio Lower Upper

43 100

58 183.9 35.7 53.5#

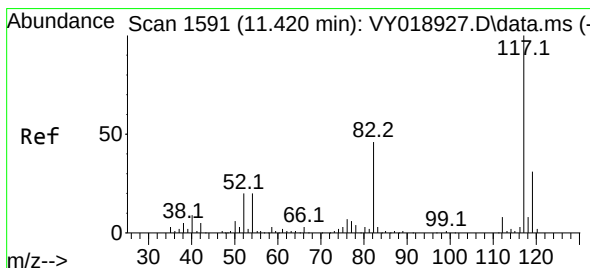
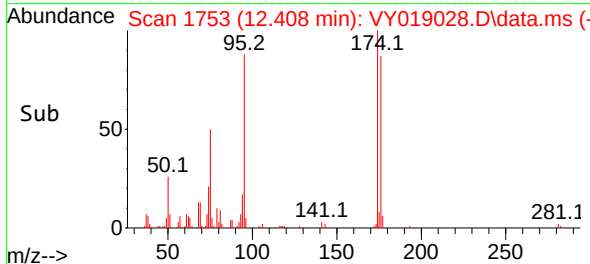
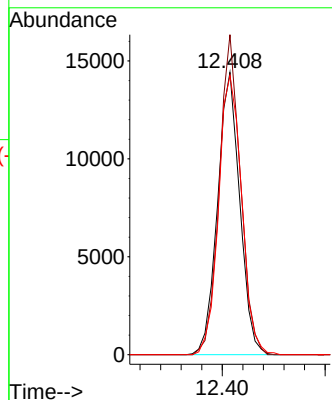
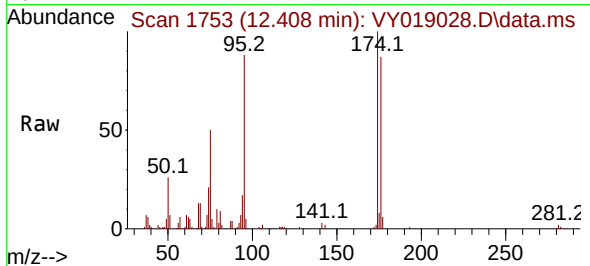




#62
4-Bromofluorobenzene
Concen: 34.336 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

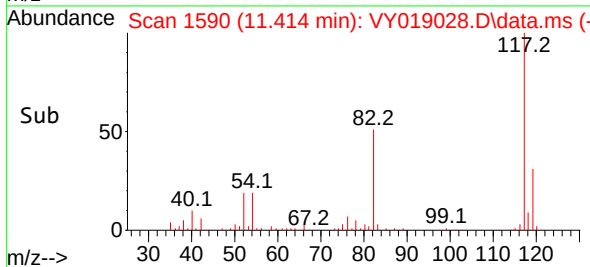
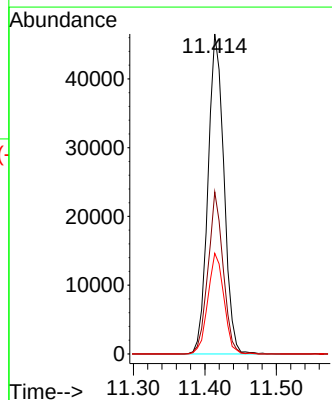
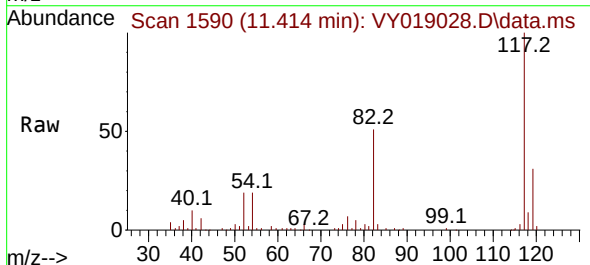
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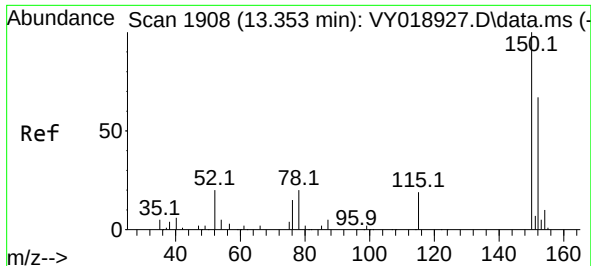
Tgt Ion:	95	Resp:	21602
Ion	Ratio	Lower	Upper
95	100		
174	108.0	0.0	175.6
176	102.8	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

Tgt Ion:	117	Resp:	72097
Ion	Ratio	Lower	Upper
117	100		
82	50.6	42.4	63.6
119	31.4	25.9	38.9

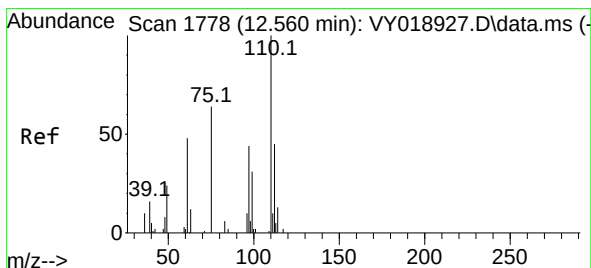
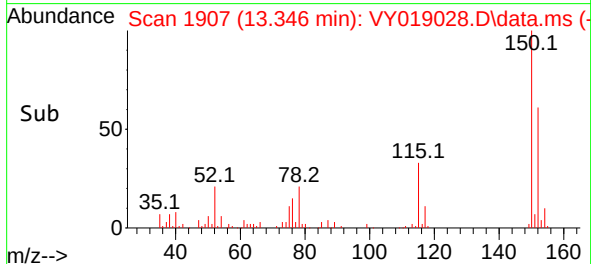
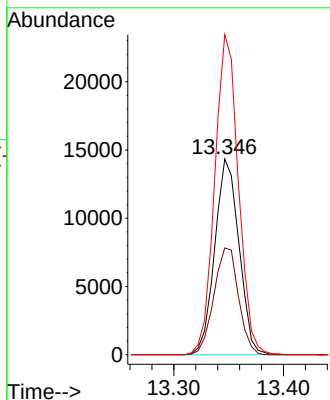
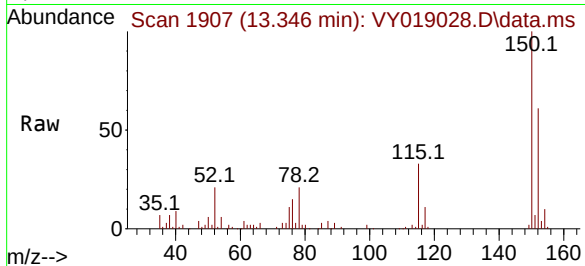




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY019028.D
 Acq: 13 Aug 2024 14:41

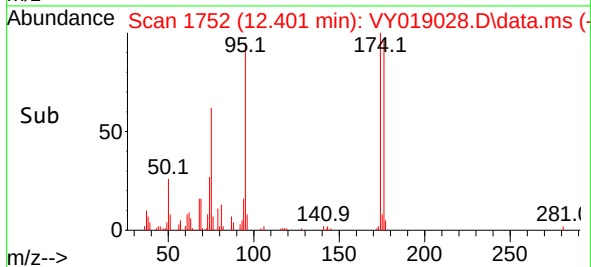
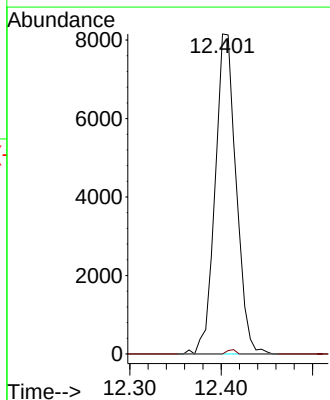
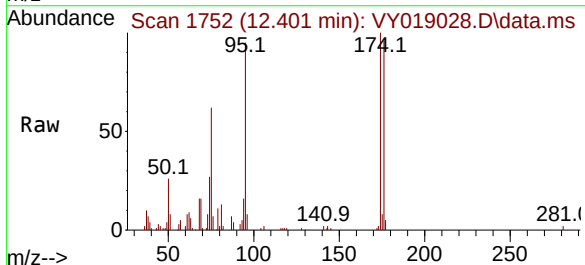
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-20-080724RE

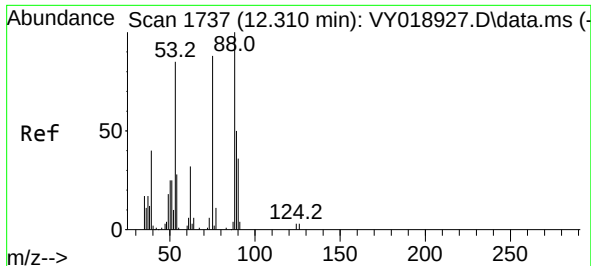
Tgt Ion:152 Resp: 21977
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.2 84.7
 150 160.0 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 79.566 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.159 min
 Lab File: VY019028.D
 Acq: 13 Aug 2024 14:41

Tgt Ion: 75 Resp: 13027
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#

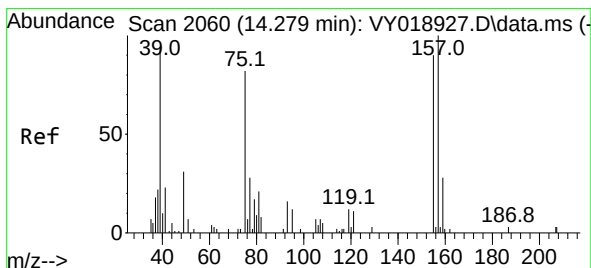
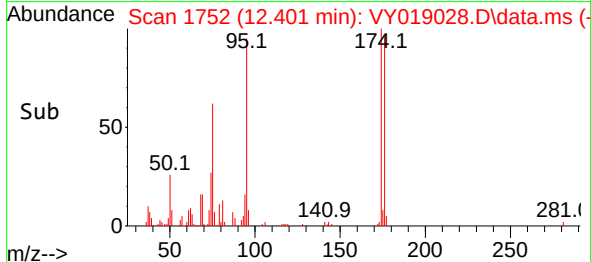
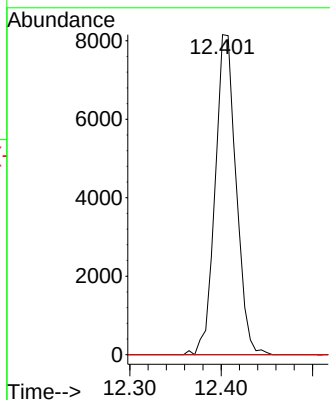
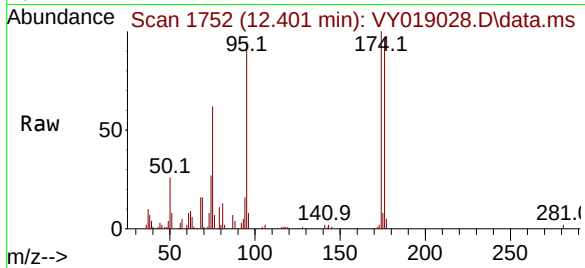




#81
trans-1,4-Dichloro-2-butene
Concen: 163.953 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.091 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-20-080724RE

Tgt Ion: 75 Resp: 13027
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.751 ug/l
RT: 14.364 min Scan# 2074
Delta R.T. 0.085 min
Lab File: VY019028.D
Acq: 13 Aug 2024 14:41

Tgt Ion: 75 Resp: 62
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

