

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081324\
 Data File : VY019027.D
 Acq On : 13 Aug 2024 14:16
 Operator : SY/MD
 Sample : P3519-07
 Misc : 4.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-19-080724RE

Quant Time: Aug 14 01:37:04 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)

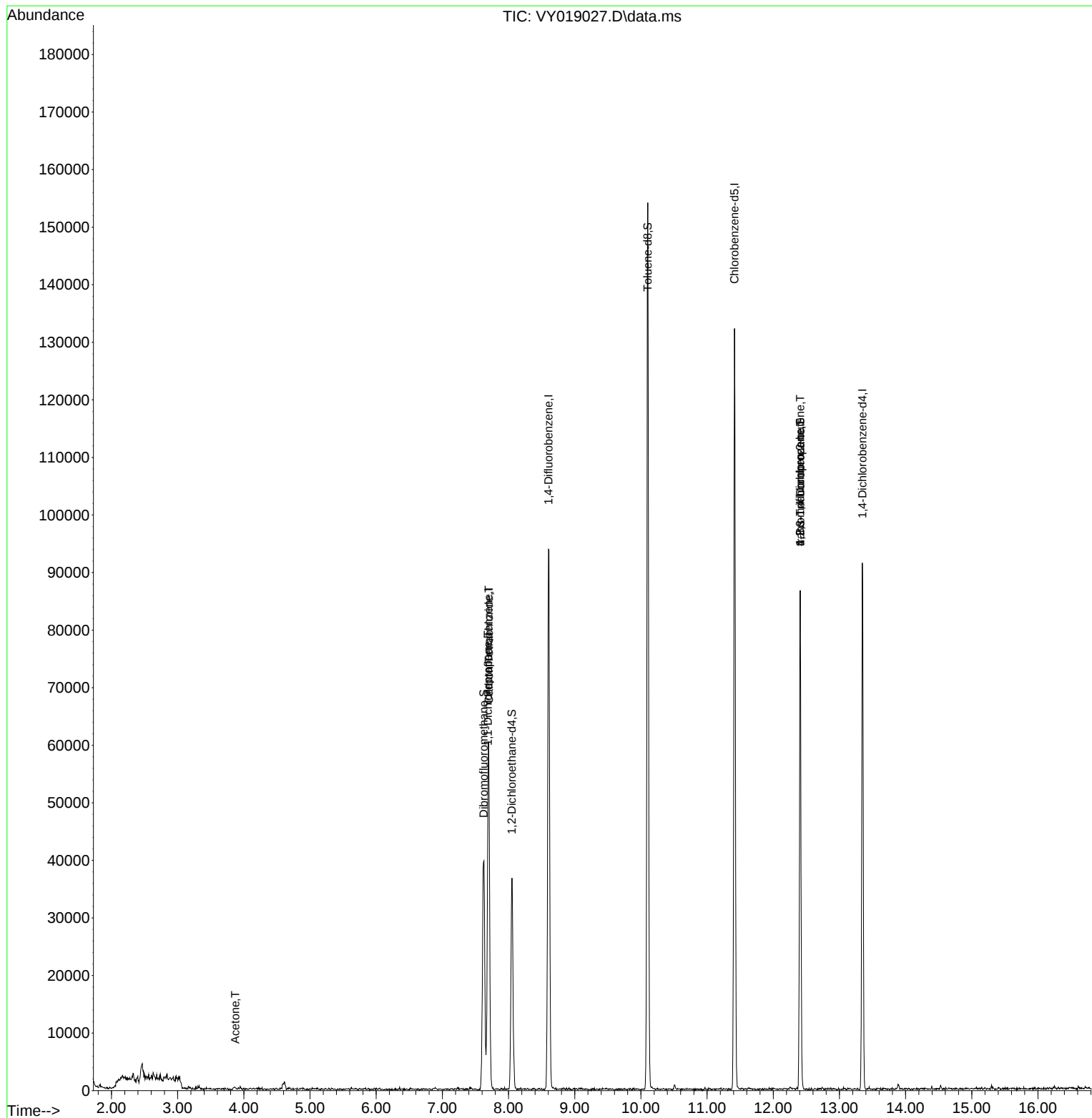
Internal Standards						
1) Pentafluorobenzene	7.695	168	49578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	82425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	64786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	21299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	22895	52.597	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.200%	
35) Dibromofluoromethane	7.622	113	26212	49.791	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.580%	
50) Toluene-d8	10.103	98	95949	47.451	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.900%	
62) 4-Bromofluorobenzene	12.407	95	21263	35.444	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.880%	
Target Compounds						
3) Chloromethane	2.074	50	83	Below Cal	#	43
11) Tert butyl alcohol	4.811	59	28	Below Cal	#	88
16) Acetone	3.872	43	531	17.008	ug/l #	69
20) Methylene Chloride	4.616	84	858	Below Cal	#	72
31) Cyclohexane	7.695	56	1281	Below Cal	#	72
36) 1,1-Dichloropropene	7.689	75	3891	5.506	ug/l #	46
38) Carbon Tetrachloride	7.701	117	4675	5.770	ug/l #	17
41) Methacrylonitrile	7.225	41	63	Below Cal	#	37
76) 1,2,3-Trichloropropane	12.407	75	12293	77.473	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	12293	159.641	ug/l #	16

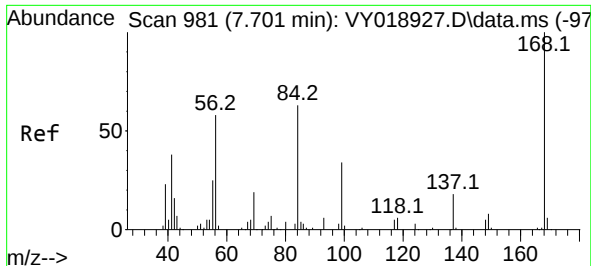
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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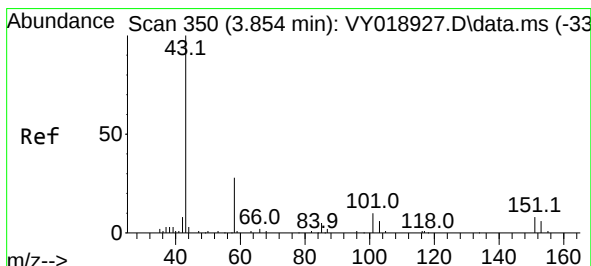
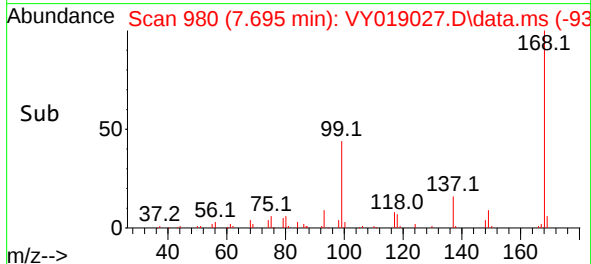
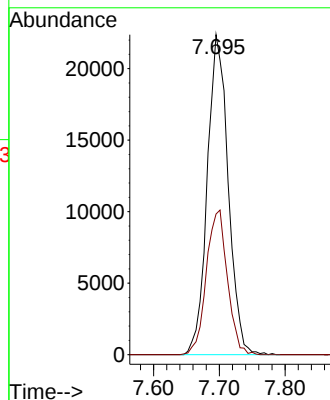
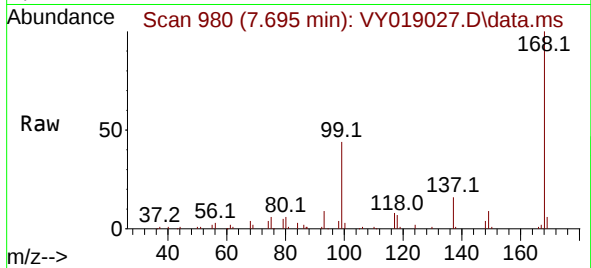




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

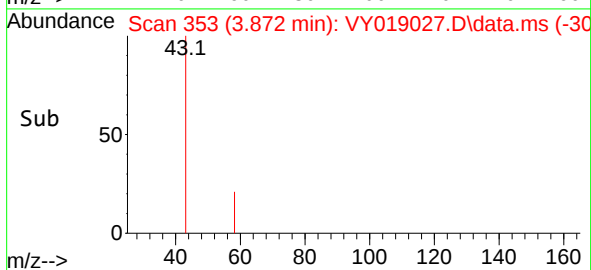
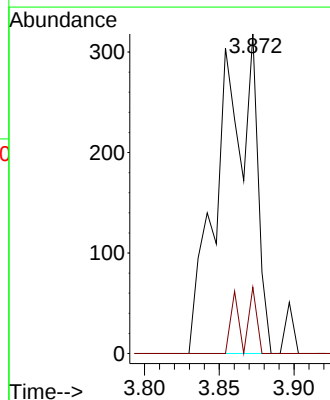
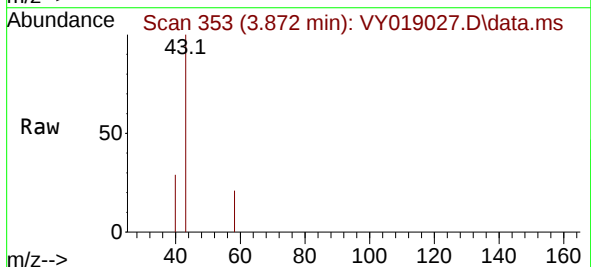
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-19-080724RE

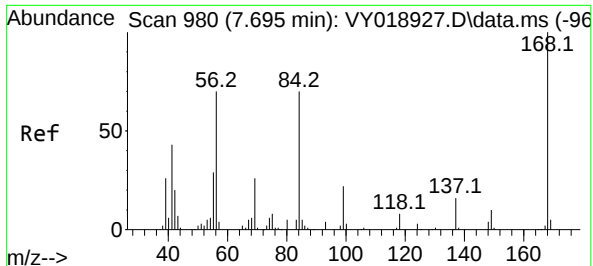
Tgt Ion:168 Resp: 49578
Ion Ratio Lower Upper
168 100
99 43.9 39.1 58.7



#16
Acetone
Concen: 17.008 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.018 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
58 20.8 31.7 47.5#

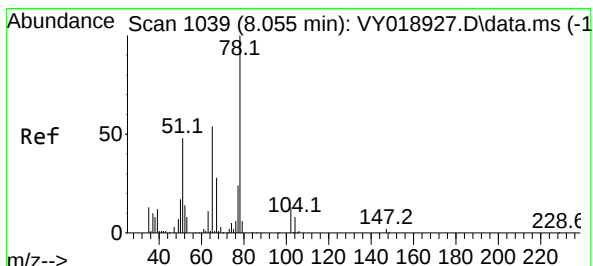
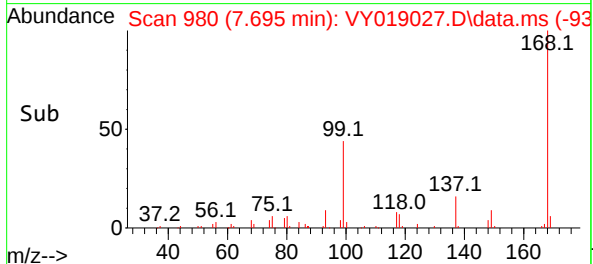
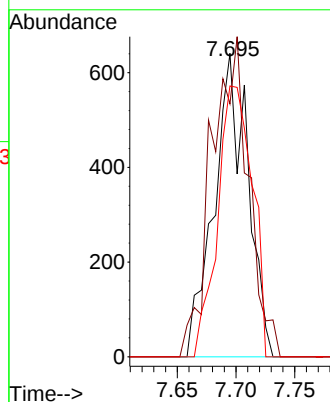
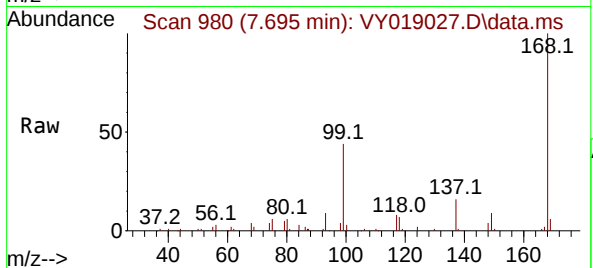




#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

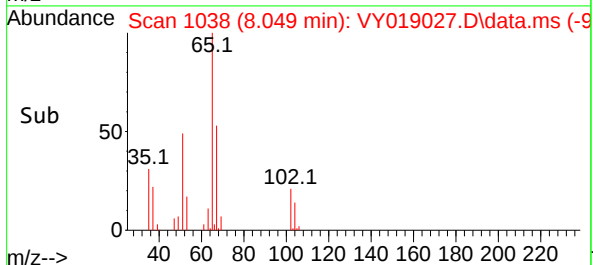
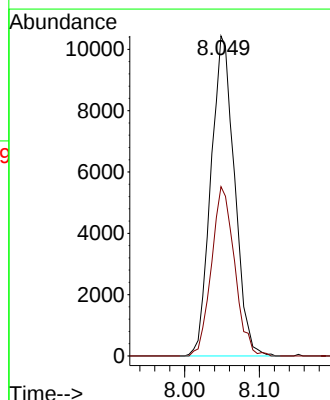
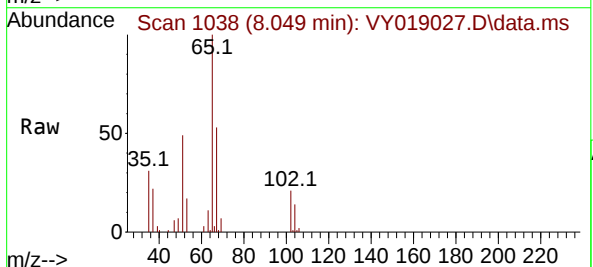
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-19-080724RE

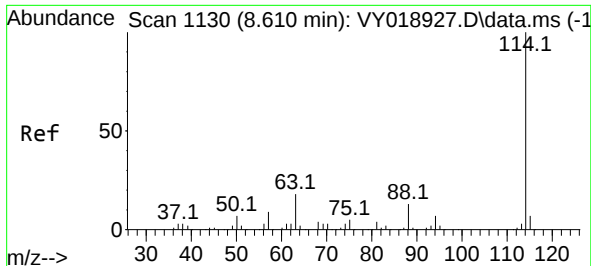
Tgt Ion: 56 Resp: 1281
Ion Ratio Lower Upper
56 100
69 83.3 28.7 43.1#
84 89.2 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 52.597 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

Tgt Ion: 65 Resp: 22895
Ion Ratio Lower Upper
65 100
67 51.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019027.D

Acq: 13 Aug 2024 14:16

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-19-080724RE

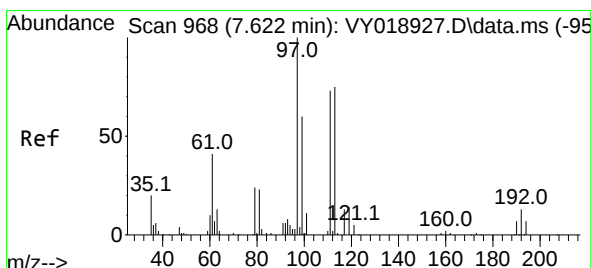
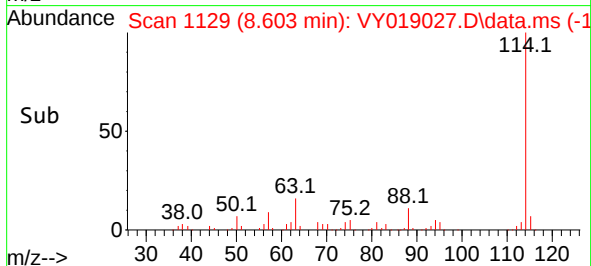
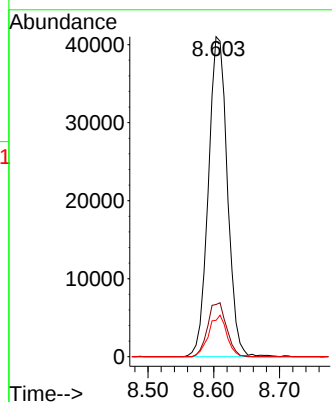
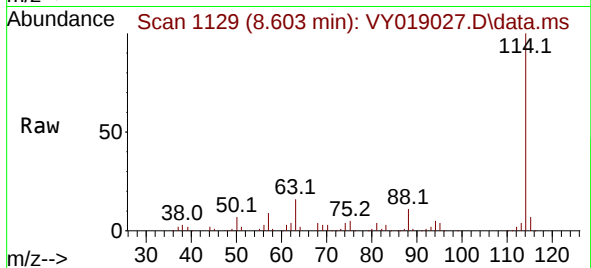
Tgt Ion:114 Resp: 82425

Ion Ratio Lower Upper

114 100

63 16.3 0.0 35.0

88 11.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.791 ug/l

RT: 7.622 min Scan# 968

Delta R.T. -0.000 min

Lab File: VY019027.D

Acq: 13 Aug 2024 14:16

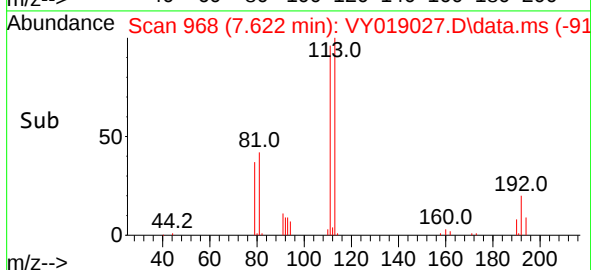
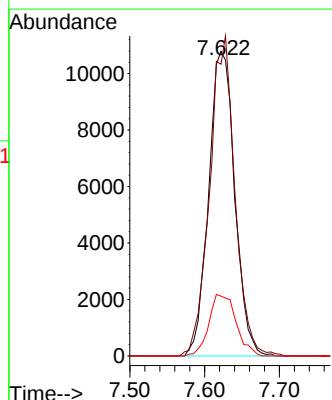
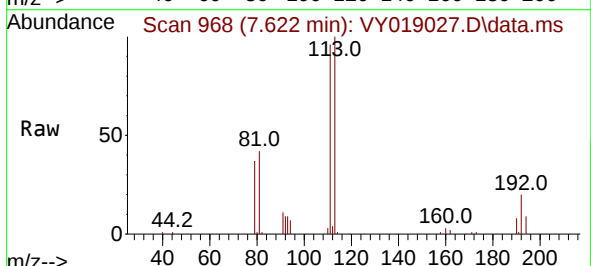
Tgt Ion:113 Resp: 26212

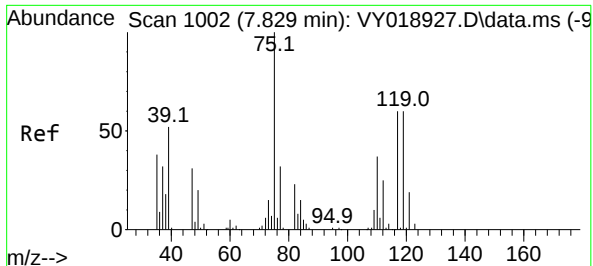
Ion Ratio Lower Upper

113 100

111 101.5 82.2 123.4

192 21.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.506 ug/l

RT: 7.689 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY019027.D

Acq: 13 Aug 2024 14:16

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-19-080724RE

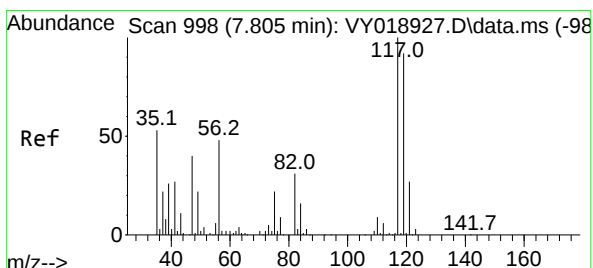
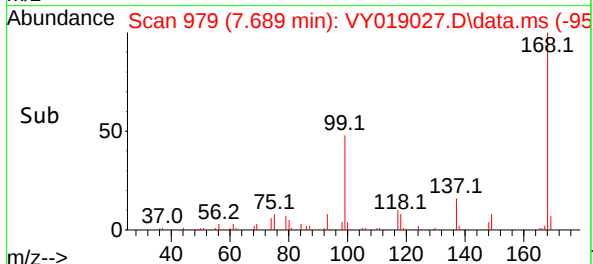
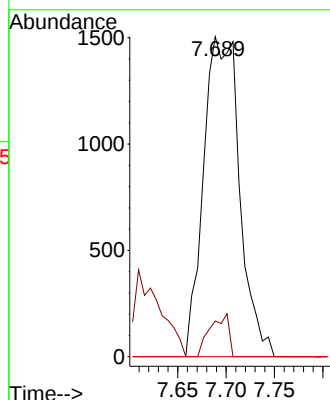
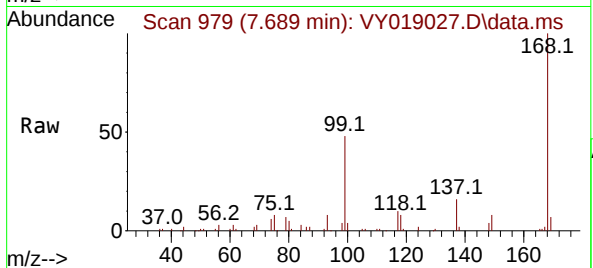
Tgt Ion: 75 Resp: 3891

Ion Ratio Lower Upper

75 100

110 7.0 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.770 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.104 min

Lab File: VY019027.D

Acq: 13 Aug 2024 14:16

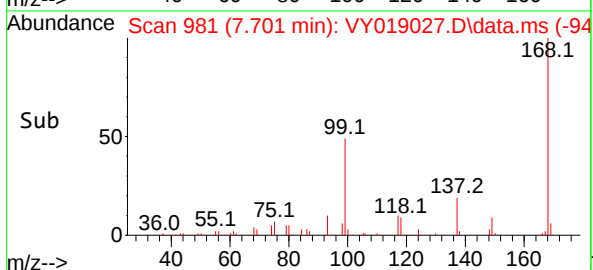
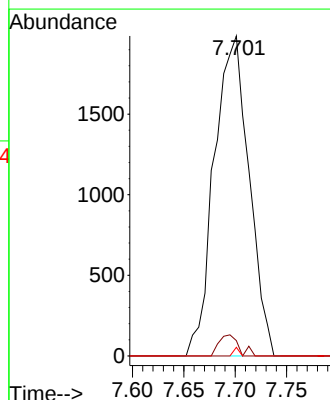
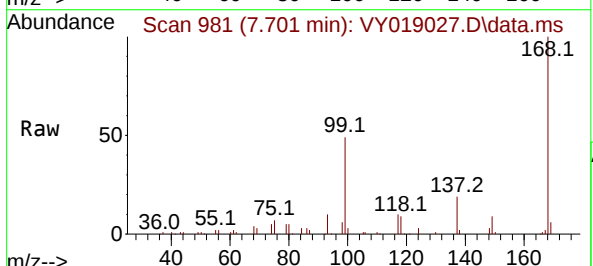
Tgt Ion: 117 Resp: 4675

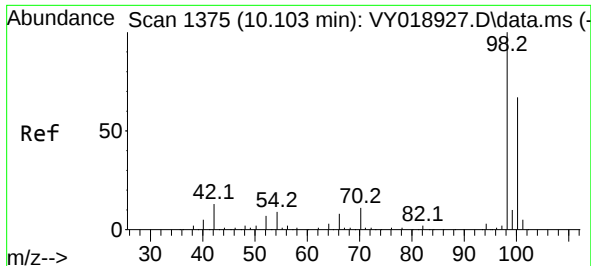
Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.6#

121 2.7 24.0 36.0#

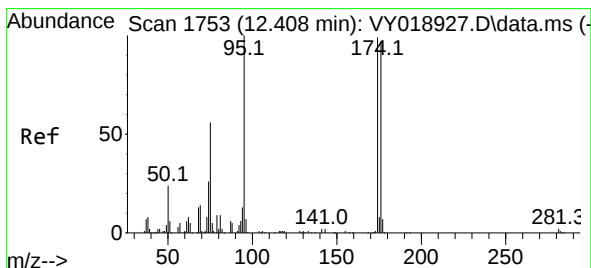
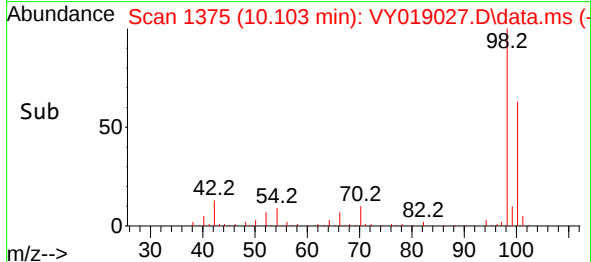
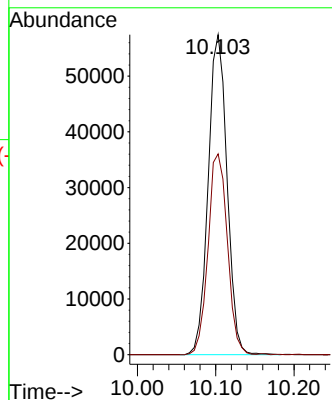
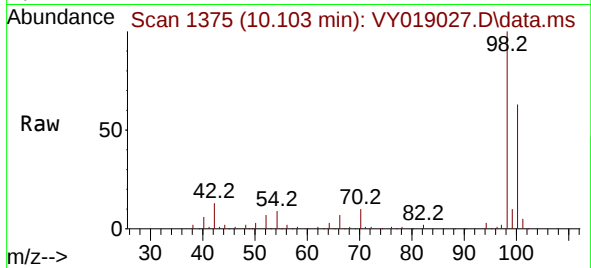




#50
Toluene-d8
Concen: 47.451 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

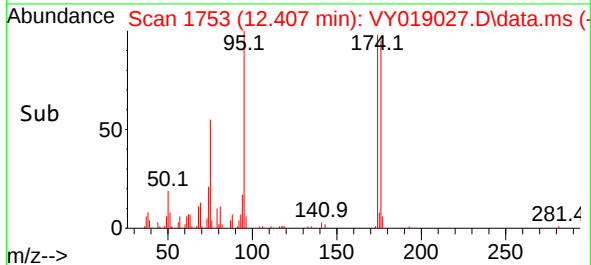
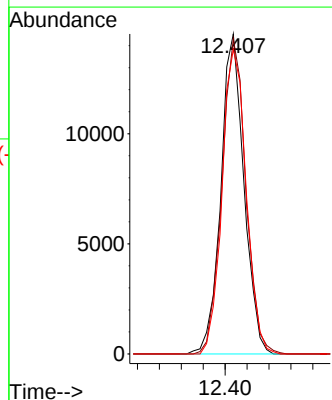
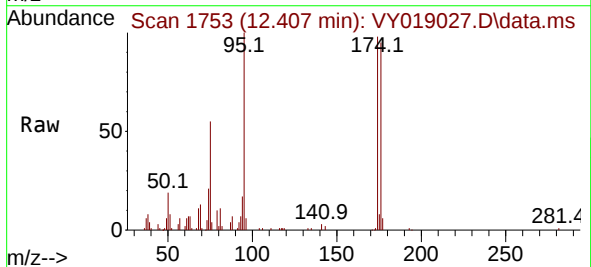
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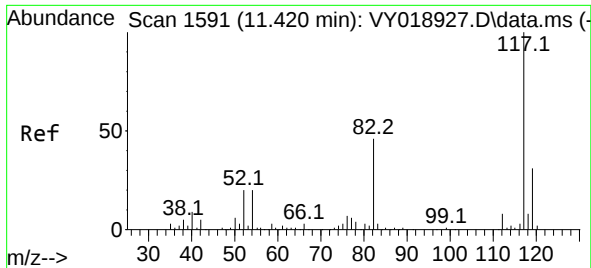
Tgt Ion: 98 Resp: 95949
Ion Ratio Lower Upper
98 100
100 64.3 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 35.444 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

Tgt Ion: 95 Resp: 21263
Ion Ratio Lower Upper
95 100
174 101.8 0.0 175.6
176 99.3 0.0 171.4

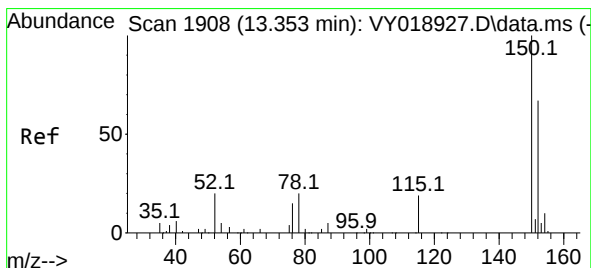
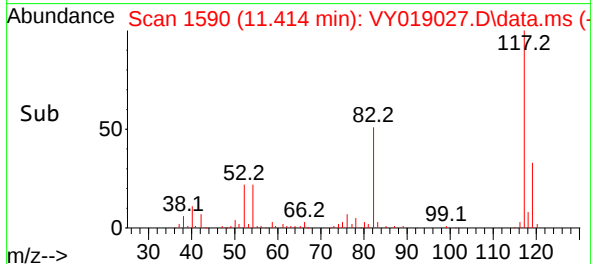
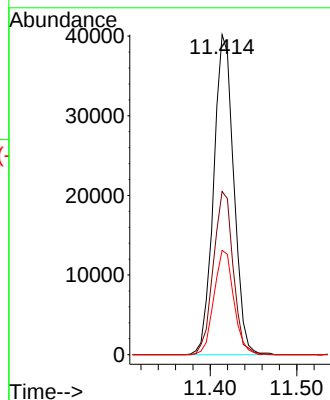
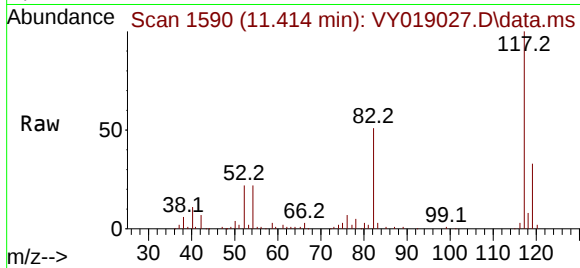




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

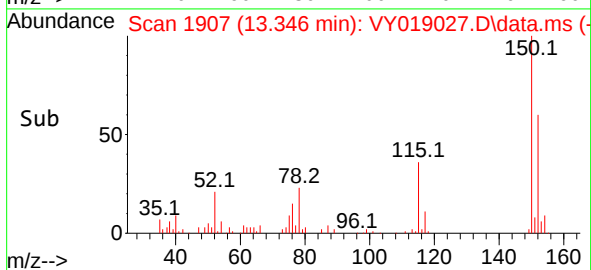
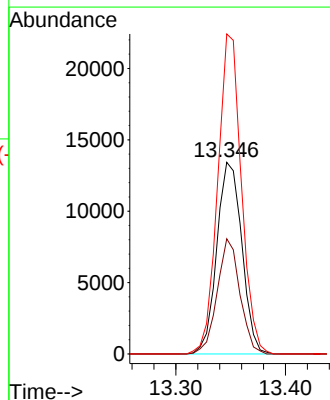
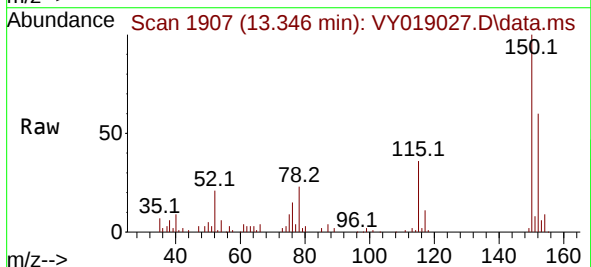
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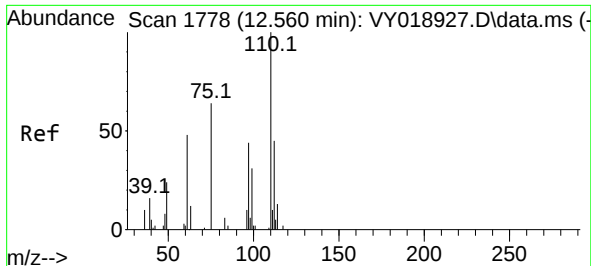
Tgt Ion:117	Resp:	64786
Ion	Ratio	Lower Upper
117	100	
82	51.0	42.4 63.6
119	32.6	25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

Tgt Ion:152	Resp:	21299
Ion	Ratio	Lower Upper
152	100	
115	54.6	28.2 84.7
150	157.8	0.0 345.6

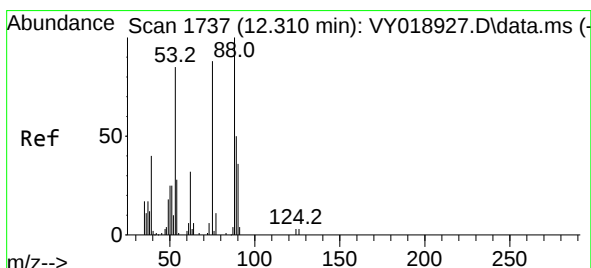
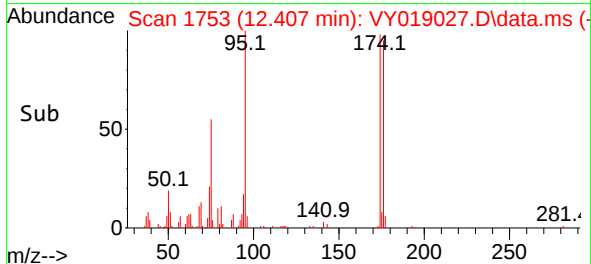
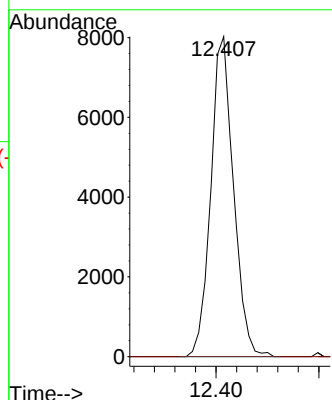
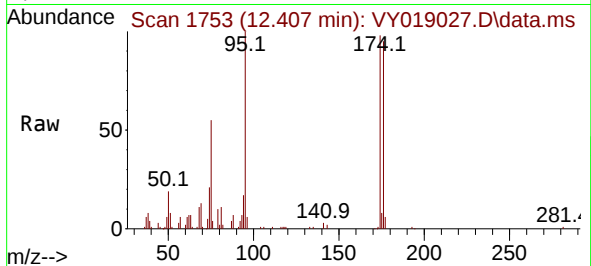




#76
1,2,3-Trichloropropane
Concen: 77.473 ug/l
RT: 12.407 min Scan# 1778
Delta R.T. -0.153 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-19-080724RE

Tgt Ion: 75 Resp: 12293
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 159.641 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.097 min
Lab File: VY019027.D
Acq: 13 Aug 2024 14:16

Tgt Ion: 75 Resp: 12293
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

