

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009070.D
 Acq On : 24 May 2022 18:26
 Operator : KP/MD
 Sample : N2948-23
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P037-SS001-0612-01

Quant Time: May 25 02:56:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

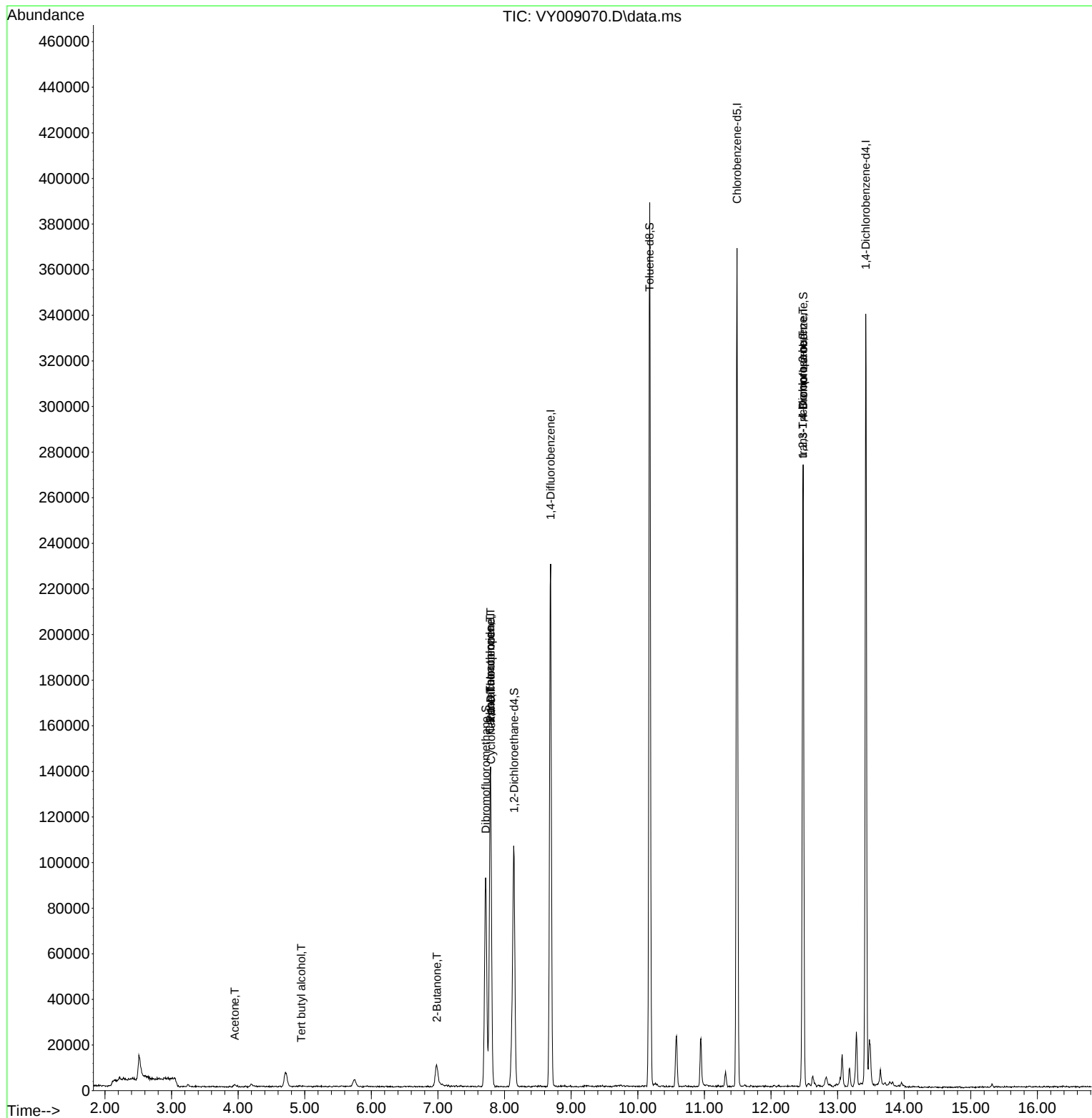
Internal Standards						
1) Pentafluorobenzene	7.789	168	106998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	189642	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	183197	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79439	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	67627	61.412	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.820%	
35) Dibromofluoromethane	7.716	113	61678	52.302	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.600%	
50) Toluene-d8	10.179	98	241876	55.597	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.200%	
62) 4-Bromofluorobenzene	12.483	95	69125	39.389	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 78.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	398	3.563	ug/l #	77
16) Acetone	3.948	43	1479	6.452	ug/l	90
20) Methylene Chloride	4.704	84	4484	Below Cal		93
25) 2-Butanone	6.984	43	686	1.676	ug/l #	54
31) Cyclohexane	7.795	56	2565	1.191	ug/l #	68
36) 1,1-Dichloropropene	7.789	75	8651	4.311	ug/l #	51
38) Carbon Tetrachloride	7.783	117	10899	5.191	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	40864	47.902	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	40864	98.318	ug/l #	8

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

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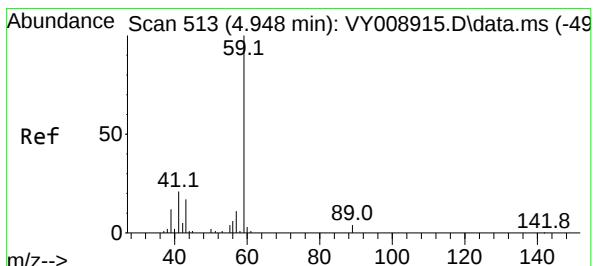
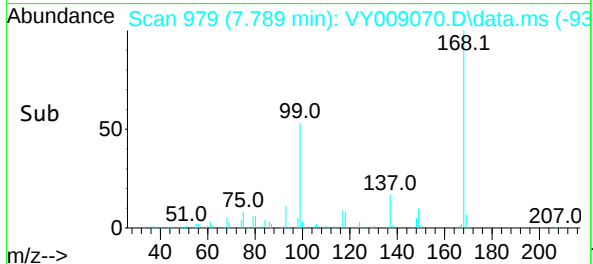
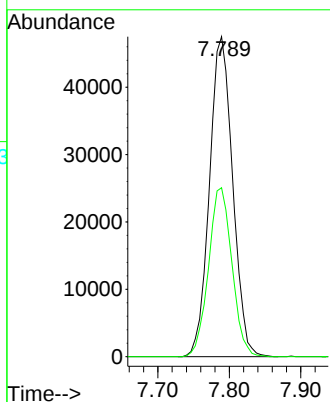
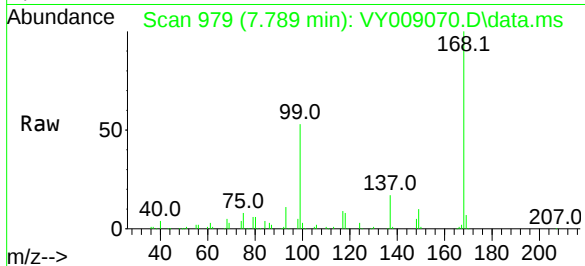




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

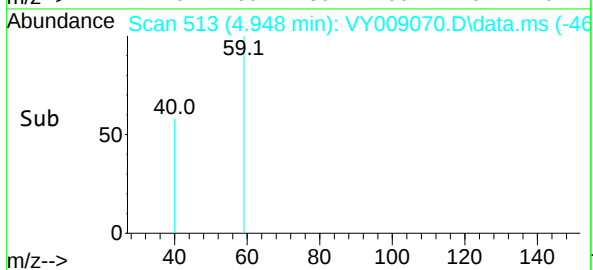
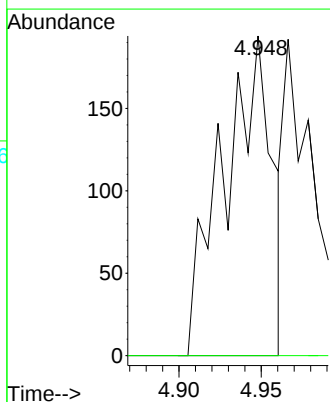
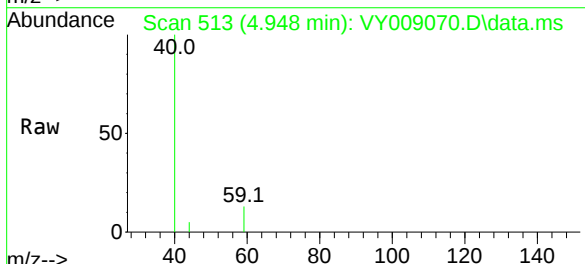
Instrument :
MSVOA_Y
ClientSampleId :
P037-SS001-0612-01

Tgt Ion:168 Resp: 106998
Ion Ratio Lower Upper
168 100
99 52.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.563 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

Tgt Ion: 59 Resp: 398
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

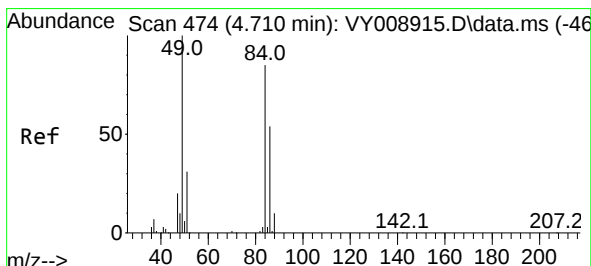
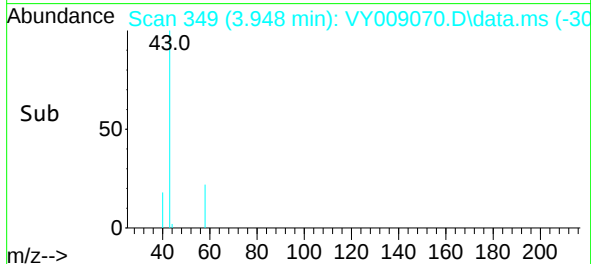
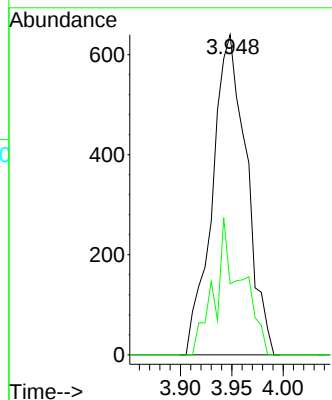
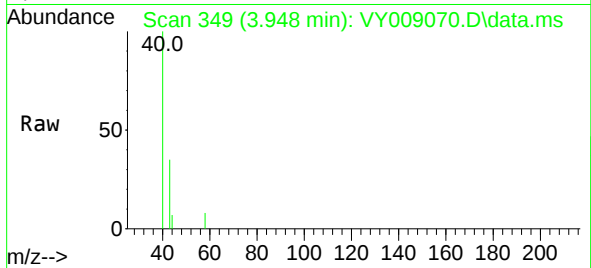




#16
Acetone
Concen: 6.452 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

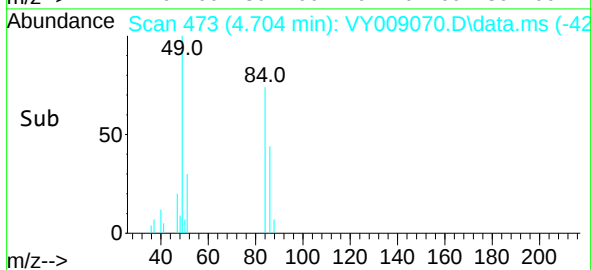
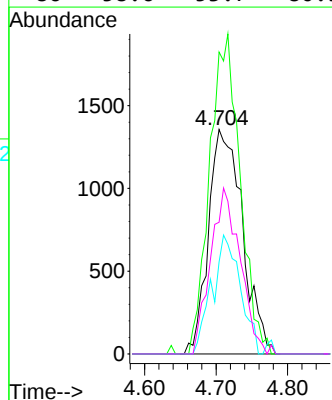
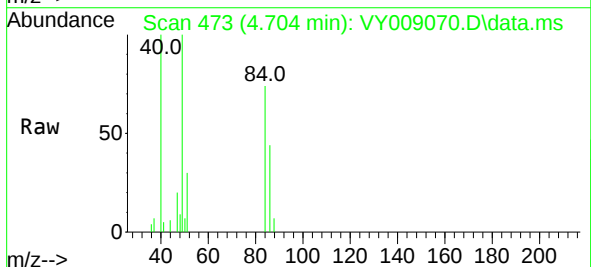
Instrument :
MSVOA_Y
ClientSampleId :
P037-SS001-0612-01

Tgt Ion: 43 Resp: 1479
Ion Ratio Lower Upper
43 100
58 22.2 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

Tgt Ion: 84 Resp: 4484
Ion Ratio Lower Upper
84 100
49 134.5 114.4 171.6
51 41.0 35.3 52.9
86 58.6 53.7 80.5





#25

2-Butanone

Concen: 1.676 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY009070.D

Acq: 24 May 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

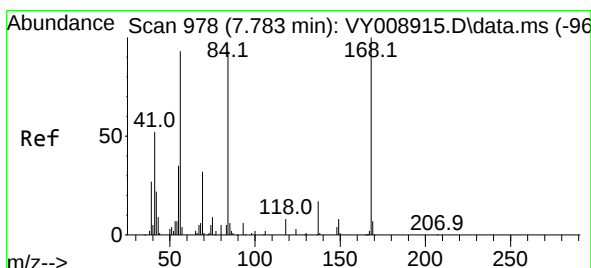
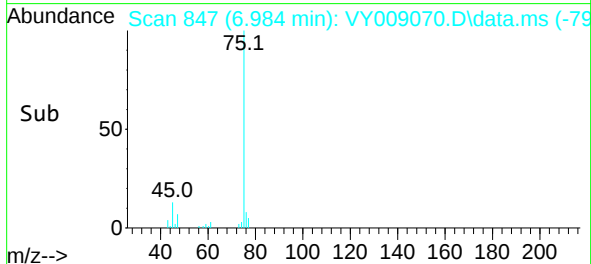
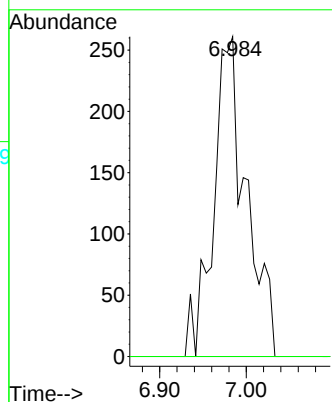
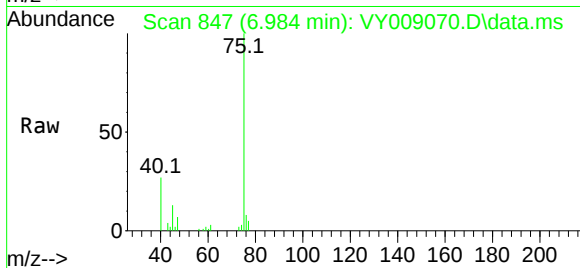
P037-SS001-0612-01

Tgt Ion: 43 Resp: 686

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY009070.D

Acq: 24 May 2022 18:26

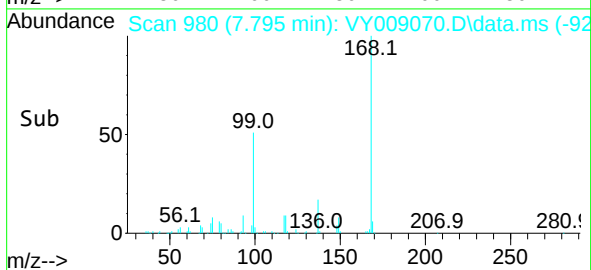
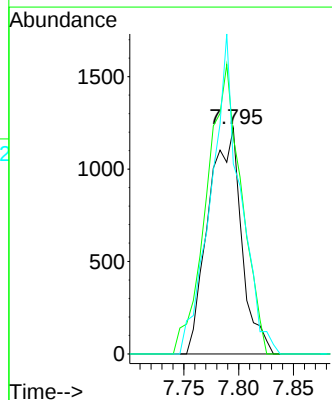
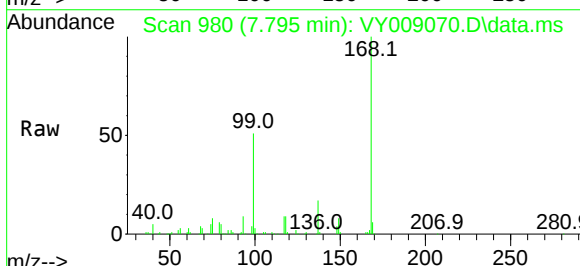
Tgt Ion: 56 Resp: 2565

Ion Ratio Lower Upper

56 100

69 96.2 26.7 40.1#

84 84.3 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 61.412 ug/l

RT: 8.143 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VY009070.D

Acq: 24 May 2022 18:26

Instrument :

MSVOA_Y

ClientSampleId :

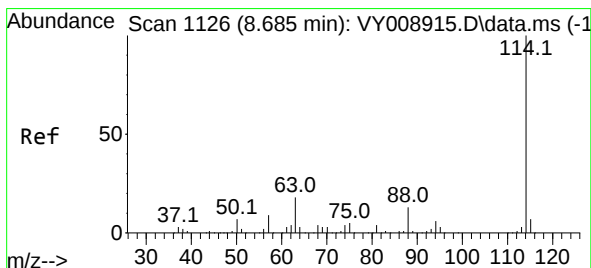
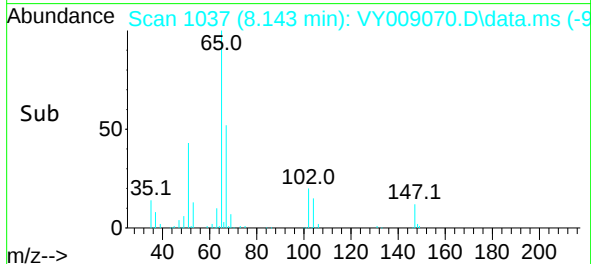
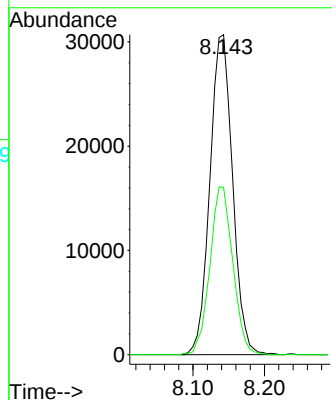
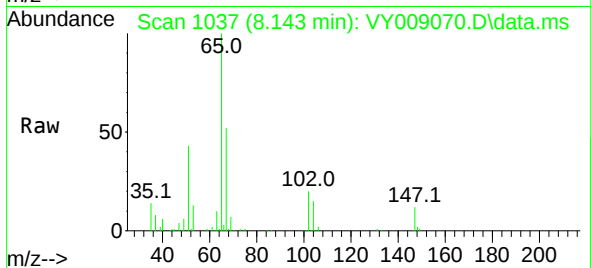
P037-SS001-0612-01

Tgt Ion: 65 Resp: 67627

Ion Ratio Lower Upper

65 100

67 53.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009070.D

Acq: 24 May 2022 18:26

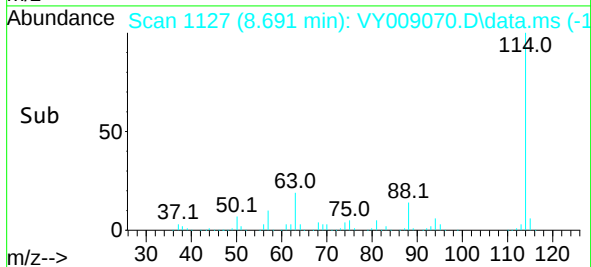
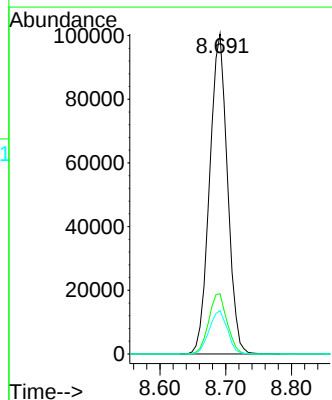
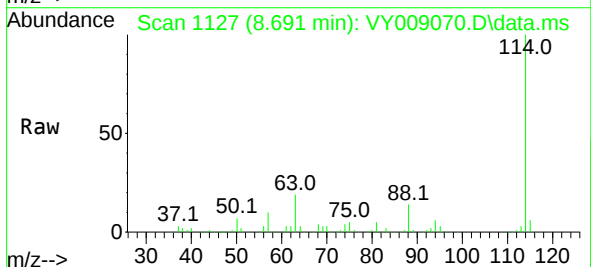
Tgt Ion: 114 Resp: 189642

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 13.5 0.0 31.8

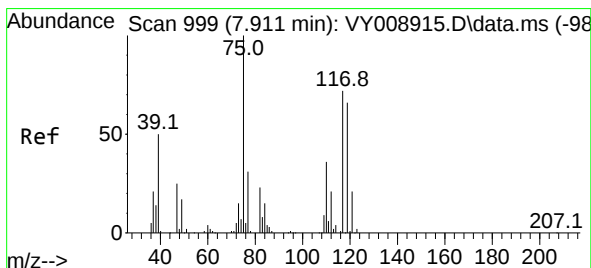
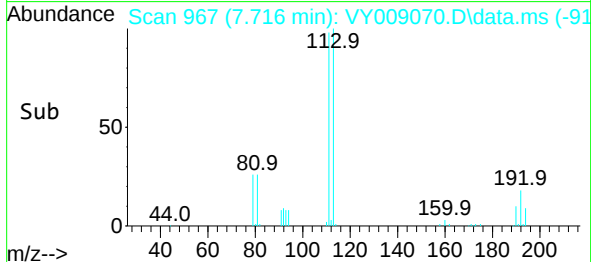
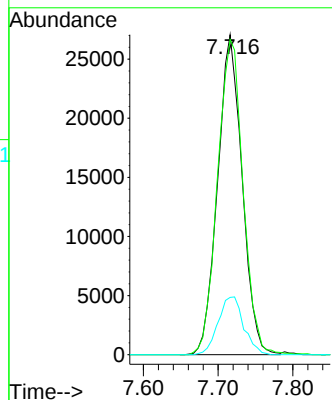
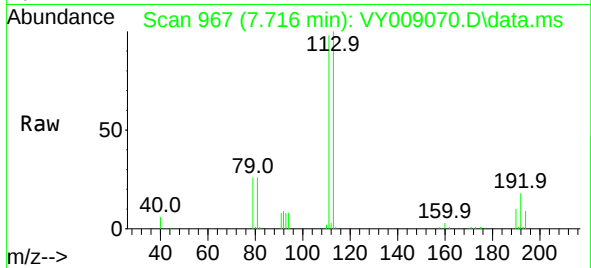




#35
Dibromofluoromethane
Concen: 52.302 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

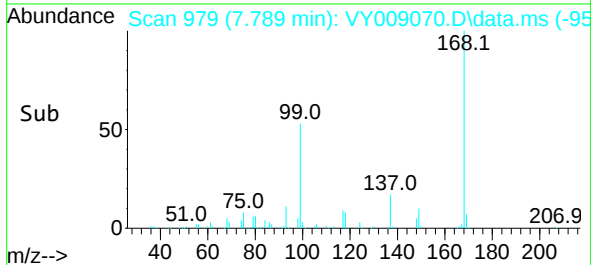
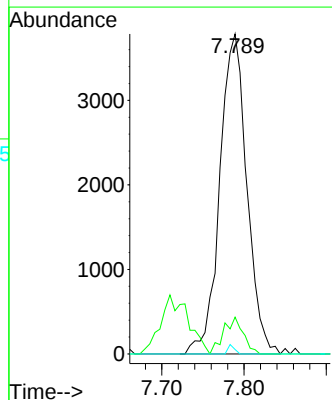
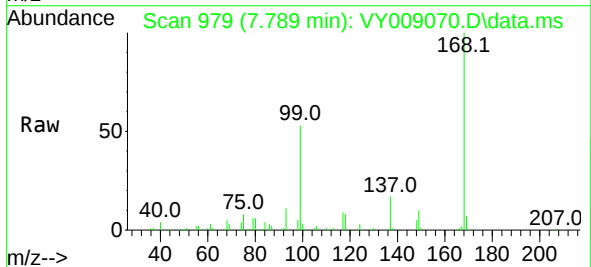
Instrument :
MSVOA_Y
ClientSampleId :
P037-SS001-0612-01

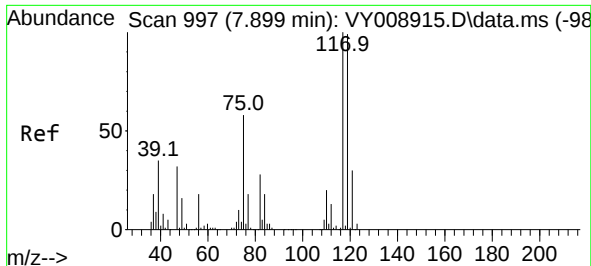
Tgt Ion:113 Resp: 61678
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.311 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

Tgt Ion: 75 Resp: 8651
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.7 24.4 36.6#

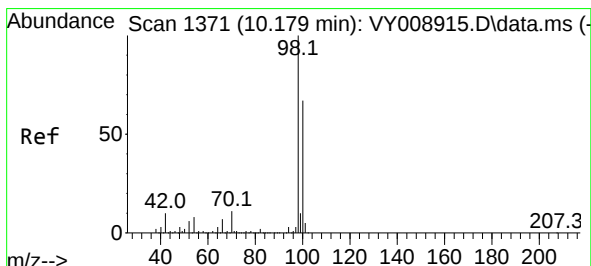
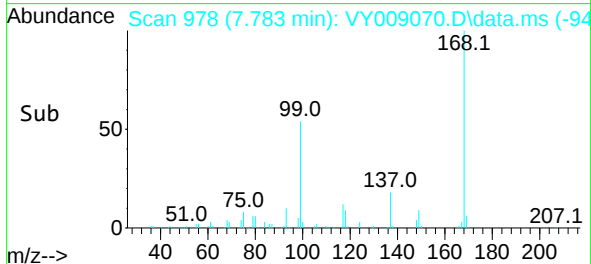
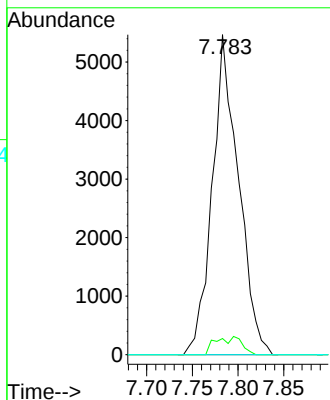
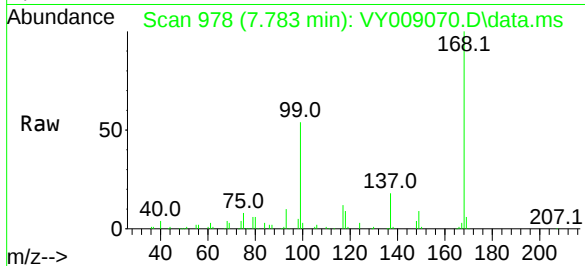




#38
Carbon Tetrachloride
Concen: 5.191 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

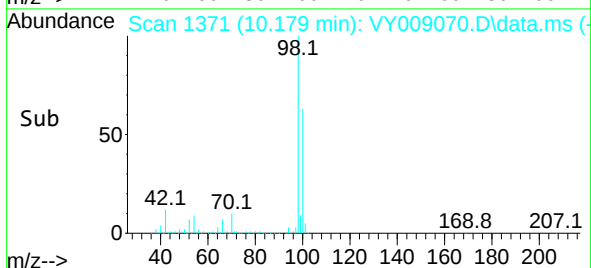
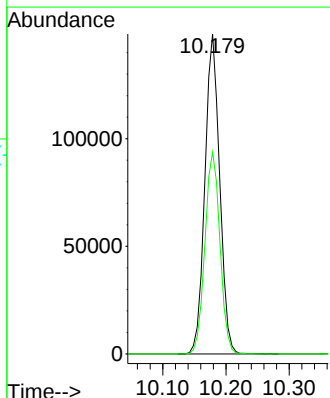
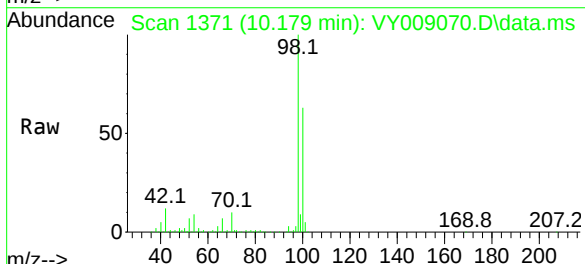
Instrument :
MSVOA_Y
ClientSampleId :
P037-SS001-0612-01

Tgt Ion:117 Resp: 10899
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.597 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

Tgt Ion: 98 Resp: 241876
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

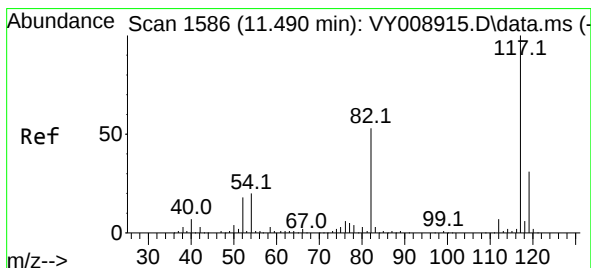
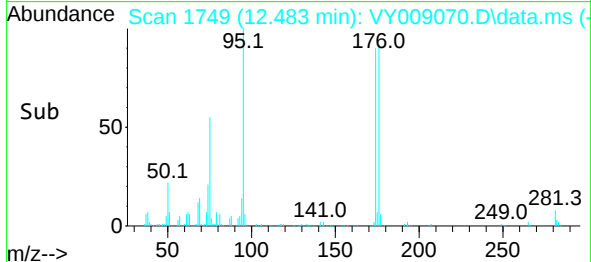
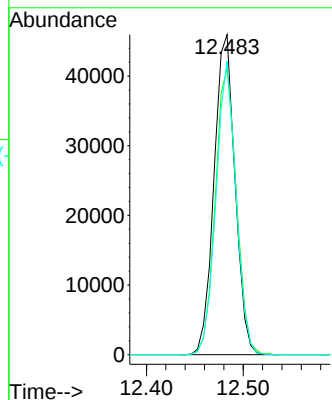
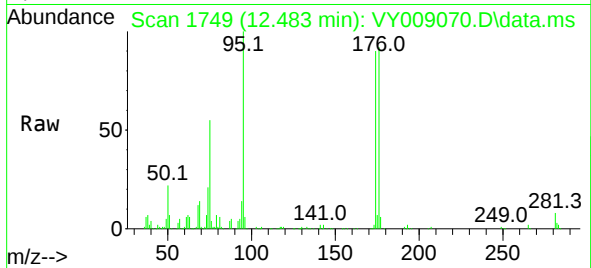




#62
4-Bromofluorobenzene
Concen: 39.389 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

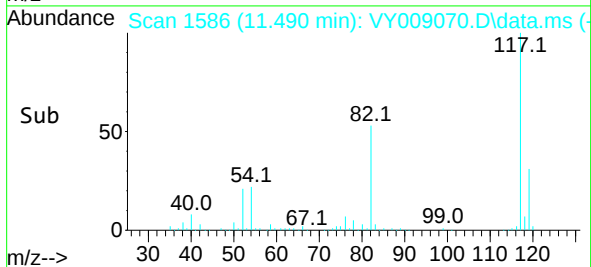
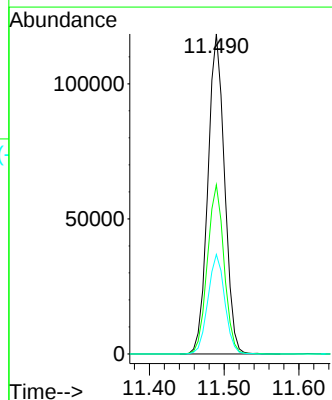
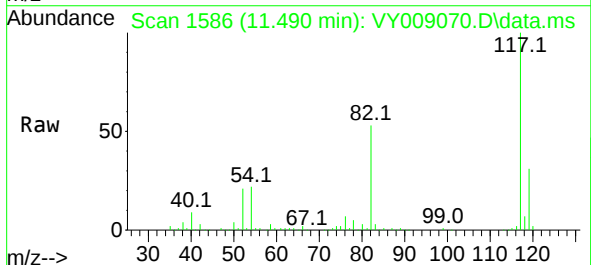
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P037-SS001-0612-01

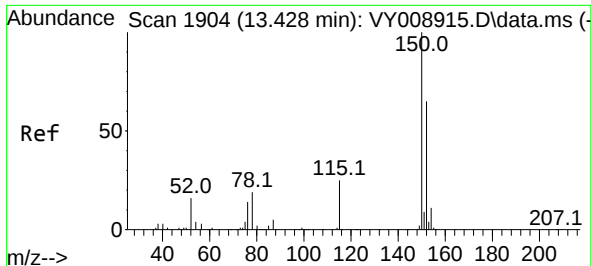
Tgt Ion: 95 Resp: 69125
Ion Ratio Lower Upper
95 100
174 90.3 0.0 177.0
176 87.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009070.D
Acq: 24 May 2022 18:26

Tgt Ion: 117 Resp: 183197
Ion Ratio Lower Upper
117 100
82 52.8 43.0 64.4
119 31.1 25.4 38.0

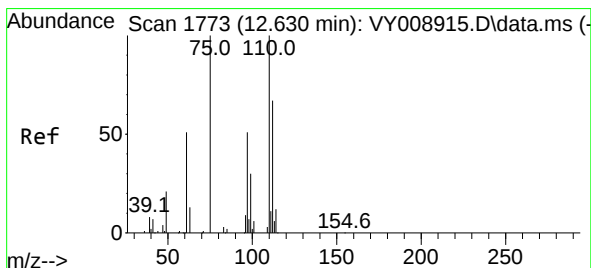
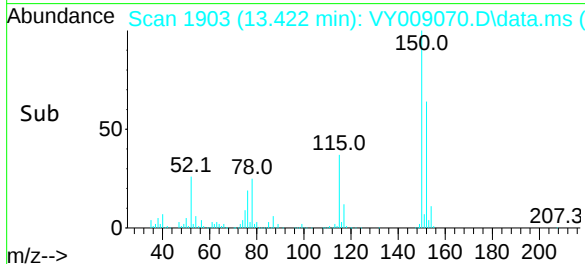
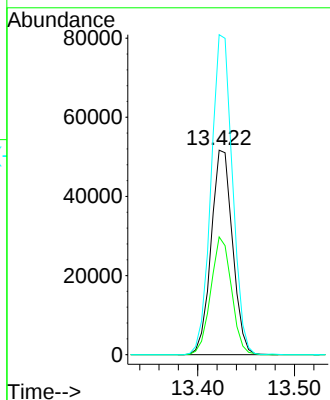
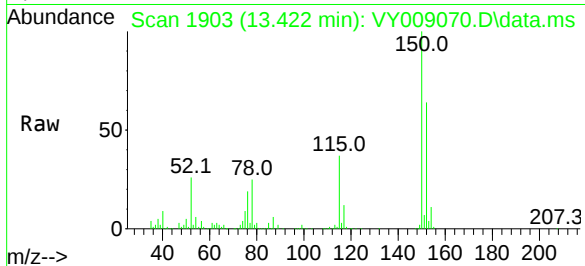




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY009070.D
 Acq: 24 May 2022 18:26

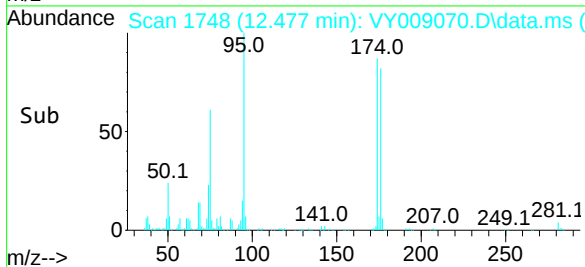
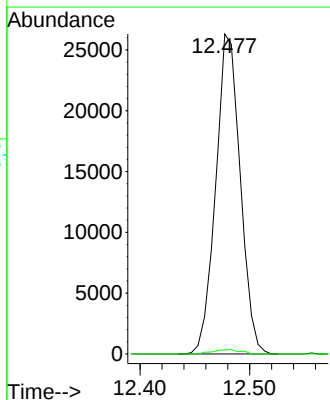
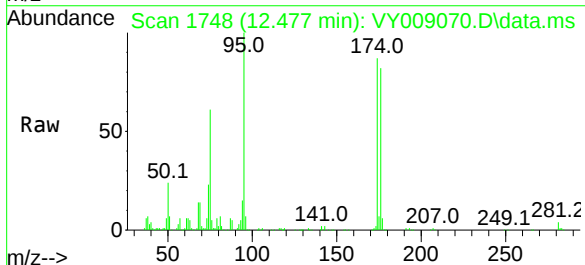
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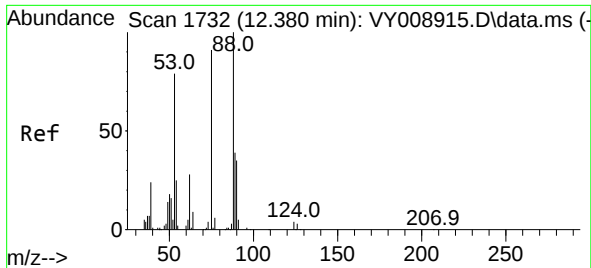
Tgt Ion:152 Resp: 79439
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.2 84.7
 150 156.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 47.902 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009070.D
 Acq: 24 May 2022 18:26

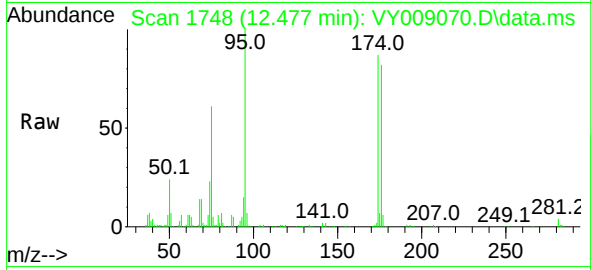
Tgt Ion: 75 Resp: 40864
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.318 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY009070.D
 Acq: 24 May 2022 18:26

Instrument :
 MSVOA_Y
 ClientSampleId :
 P037-SS001-0612-01



Tgt Ion: 75 Resp: 40864
 Ion Ratio Lower Upper
 75 100
 53 0.7 85.3 127.9#
 89 0.0 37.0 55.4#

