

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
 Data File : VY012029.D
 Acq On : 29 Dec 2022 15:39
 Operator : KP/MD
 Sample : N6228-07
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Dec 30 03:59:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

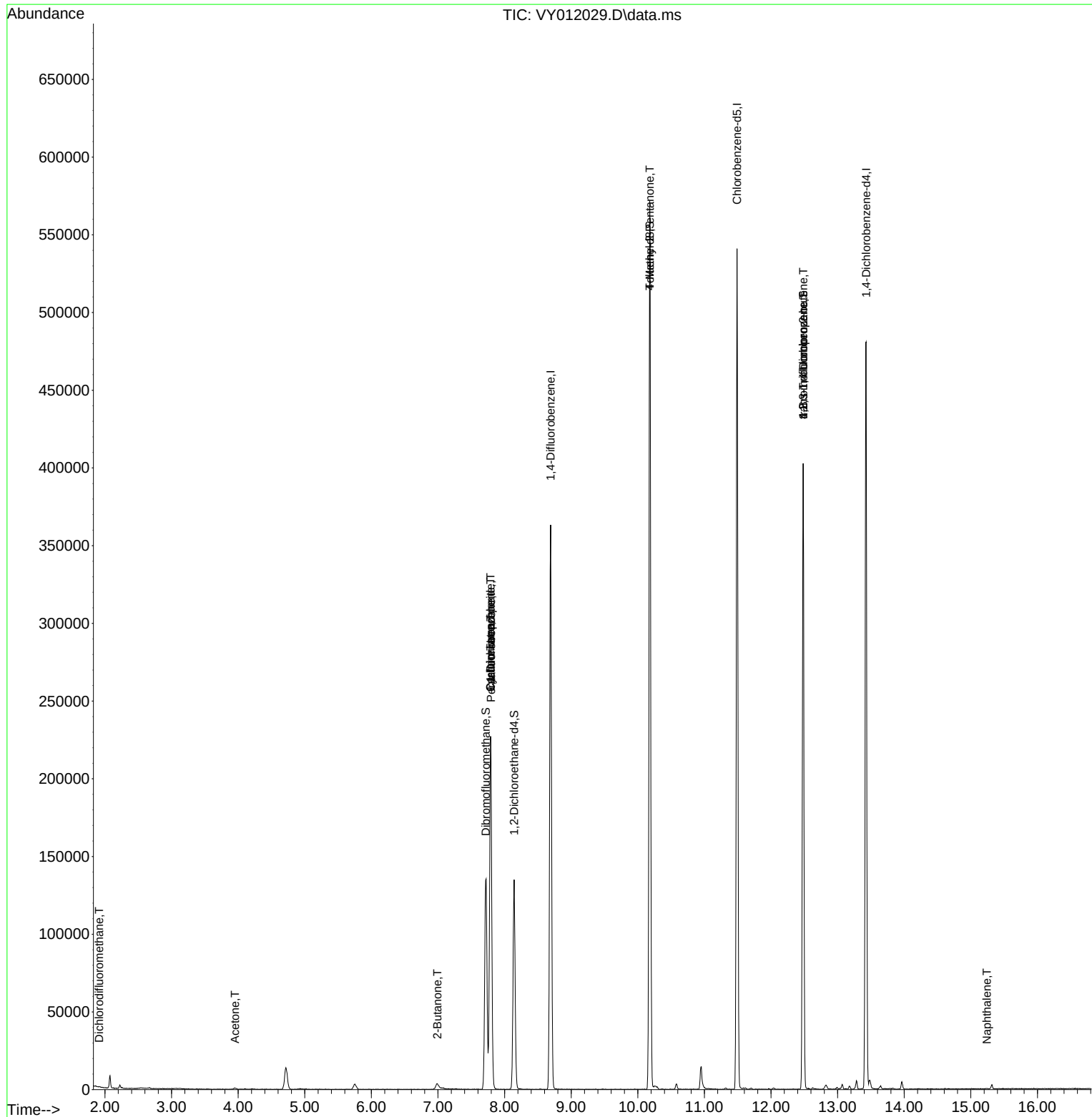
Internal Standards						
1) Pentafluorobenzene	7.795	168	176959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	312193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	295677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	106542	59.760	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.520%	
35) Dibromofluoromethane	7.715	113	95951	51.052	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.100%	
50) Toluene-d8	10.178	98	377457	49.499	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.000%	
62) 4-Bromofluorobenzene	12.483	95	120753	47.084	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.160%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	189	2.595	ug/l #	41
11) Tert butyl alcohol	4.966	59	260	Below Cal	#	74
16) Acetone	3.954	43	1454	7.553	ug/l	98
20) Methylene Chloride	4.716	84	11145	Below Cal	#	93
25) 2-Butanone	6.990	43	1517	2.554	ug/l #	80
31) Cyclohexane	7.789	56	3313	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	12596	4.178	ug/l #	50
38) Carbon Tetrachloride	7.789	117	18259	5.244	ug/l #	18
51) 4-Methyl-2-Pentanone	10.178	43	1326	1.007	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	64376	39.666	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	64376	108.627	ug/l #	13
95) Naphthalene	15.238	128	386	2.854	ug/l #	69

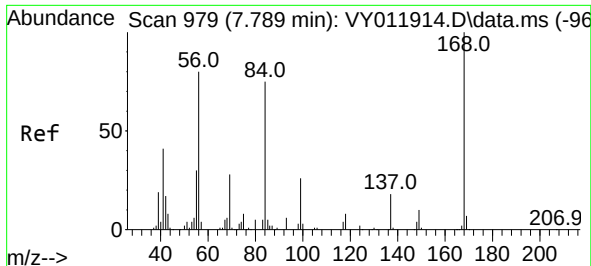
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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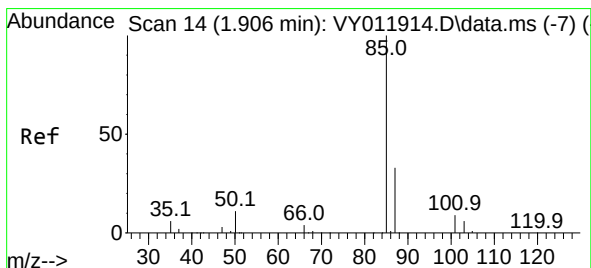
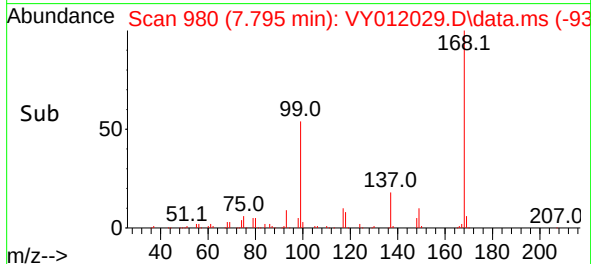
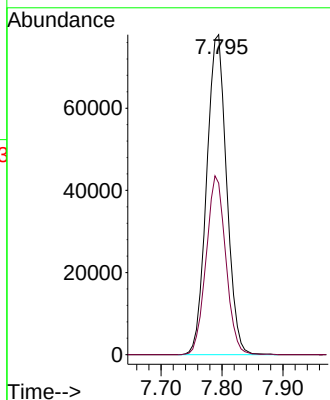
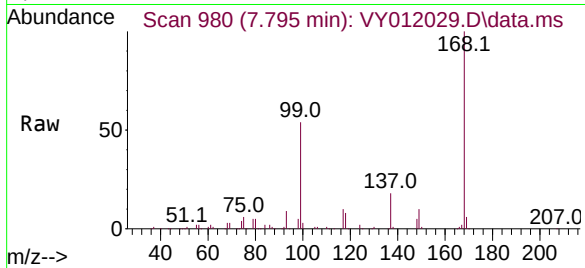




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

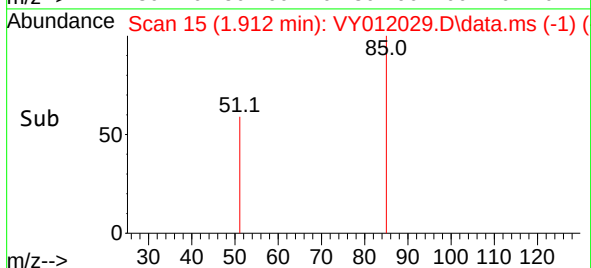
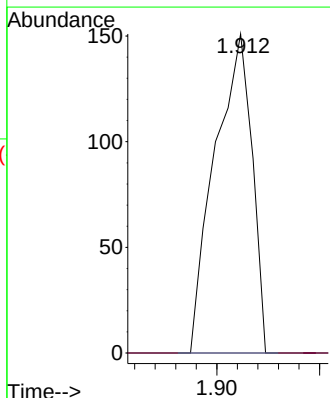
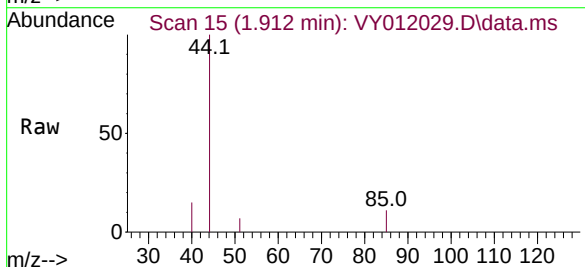
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

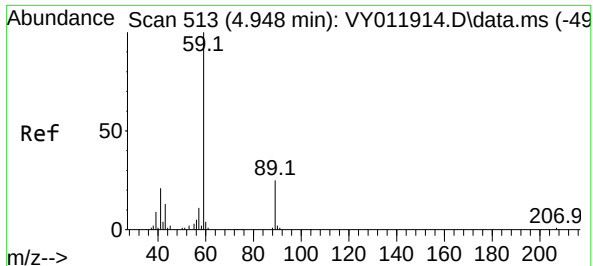
Tgt Ion:168 Resp: 176959
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.595 ug/l
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

Tgt Ion: 85 Resp: 189
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

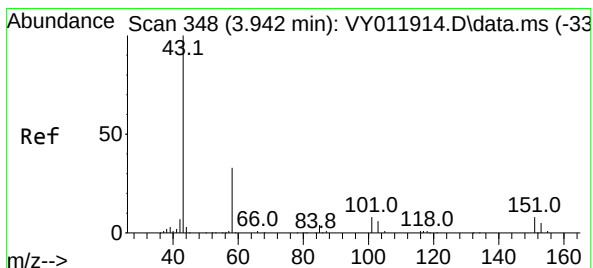
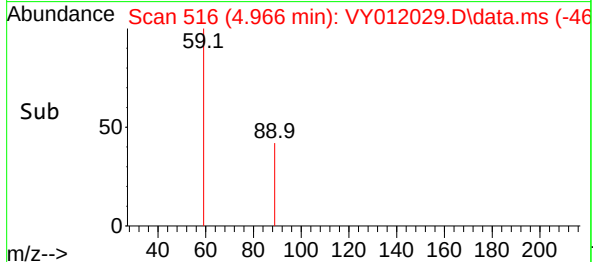
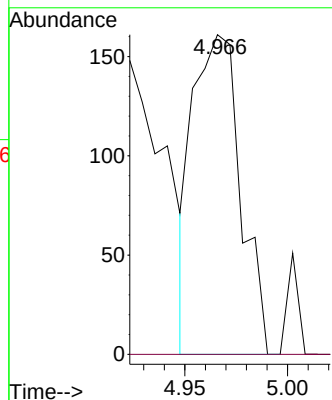
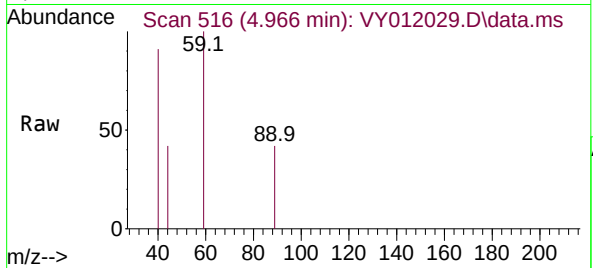




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 513
Delta R.T. 0.018 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

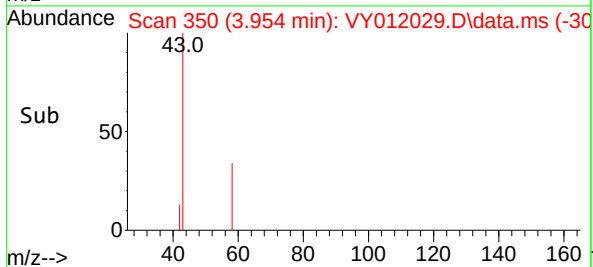
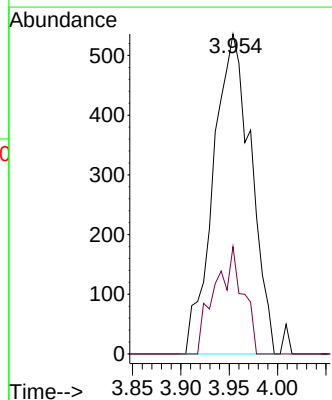
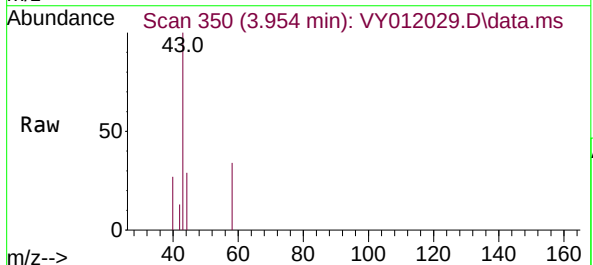
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

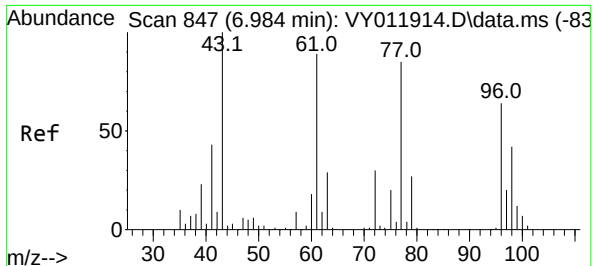
Tgt Ion: 59 Resp: 260
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#



#16
Acetone
Concen: 7.553 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

Tgt Ion: 43 Resp: 1454
Ion Ratio Lower Upper
43 100
58 33.6 27.9 41.9





#25

2-Butanone

Concen: 2.554 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012029.D

Acq: 29 Dec 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

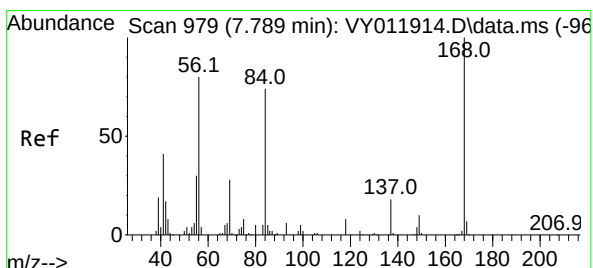
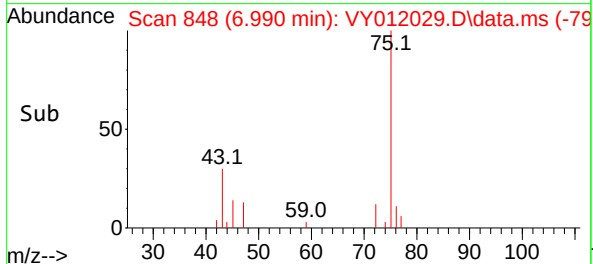
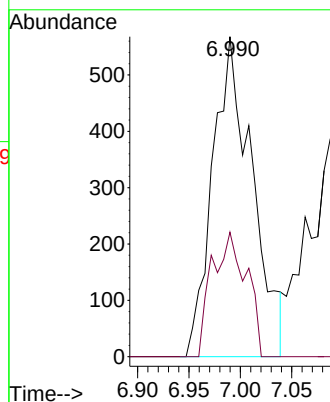
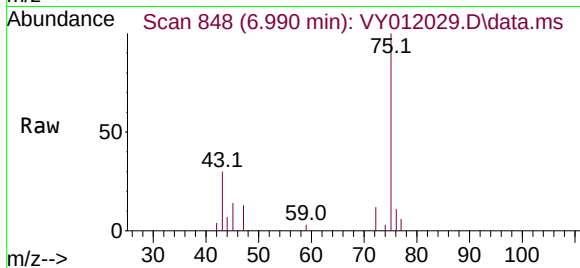
TP-3

Tgt Ion: 43 Resp: 1517

Ion Ratio Lower Upper

43 100

72 38.9 22.6 34.0#



#31

Cyclohexane

Concen: 1.104 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012029.D

Acq: 29 Dec 2022 15:39

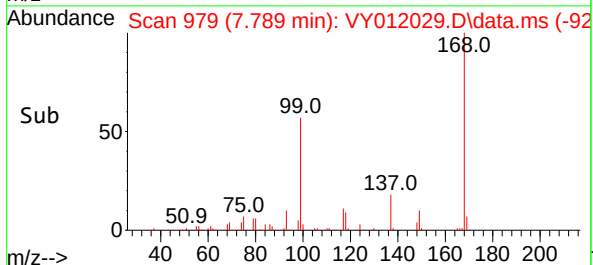
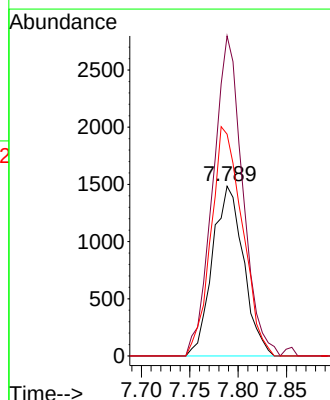
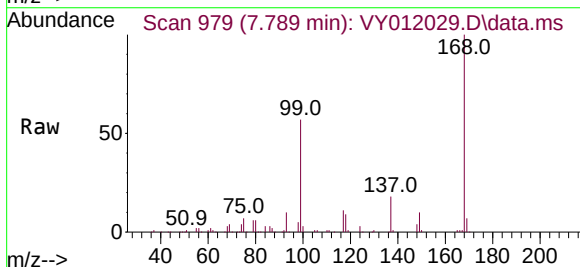
Tgt Ion: 56 Resp: 3313

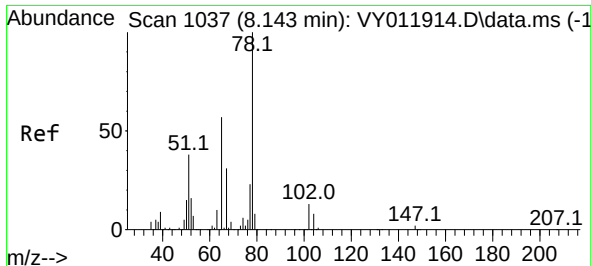
Ion Ratio Lower Upper

56 100

69 188.5 29.2 43.8#

84 130.7 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 59.760 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY012029.D

Acq: 29 Dec 2022 15:39

Instrument :

MSVOA_Y

ClientSampleId :

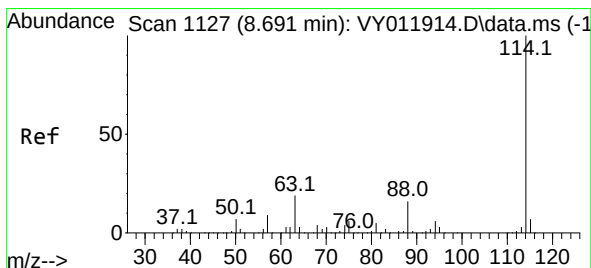
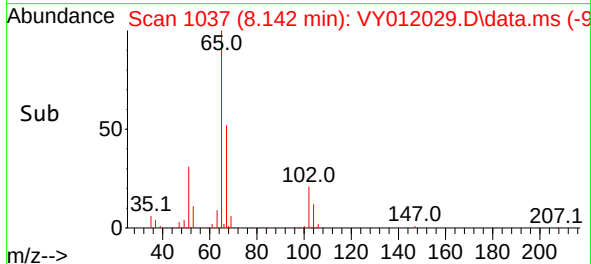
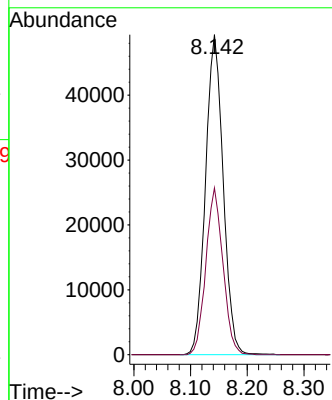
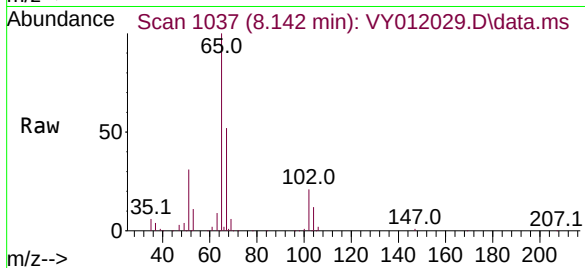
TP-3

Tgt Ion: 65 Resp: 106542

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012029.D

Acq: 29 Dec 2022 15:39

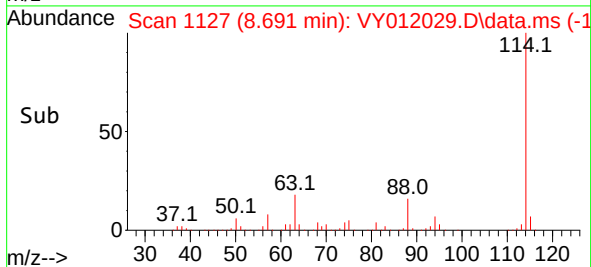
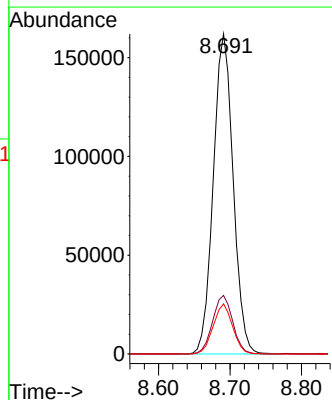
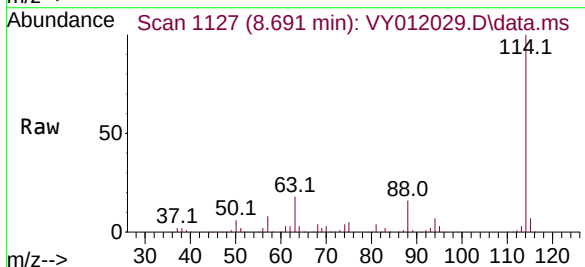
Tgt Ion: 114 Resp: 312193

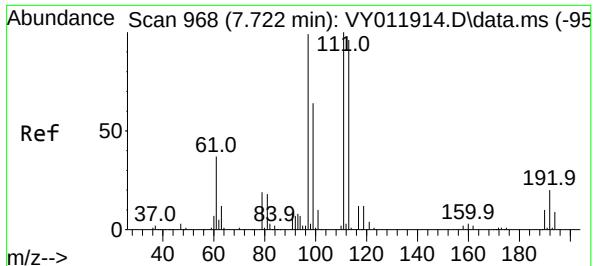
Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.6

88 15.7 0.0 32.2

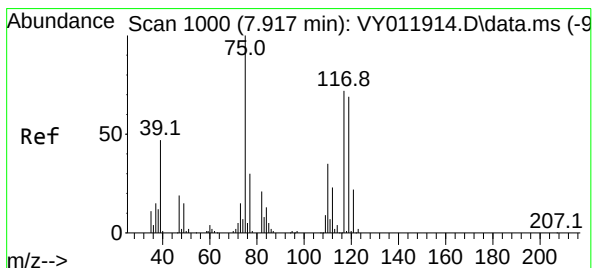
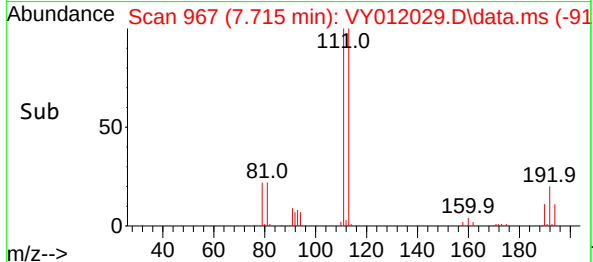
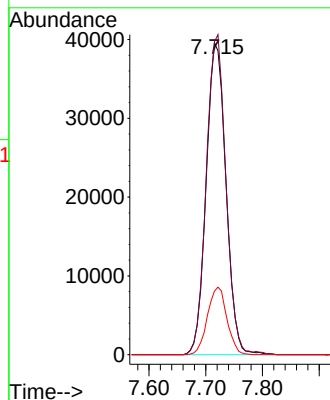
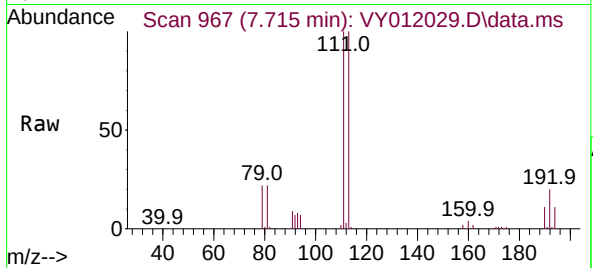




#35
Dibromofluoromethane
Concen: 51.052 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

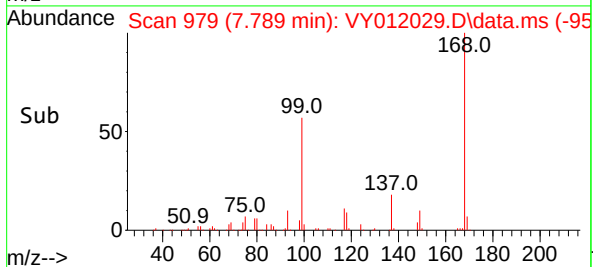
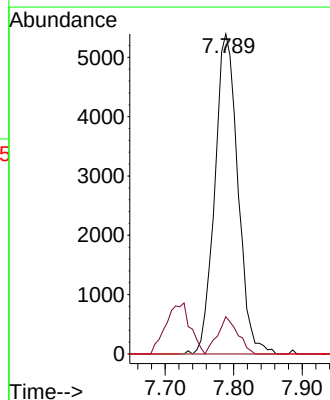
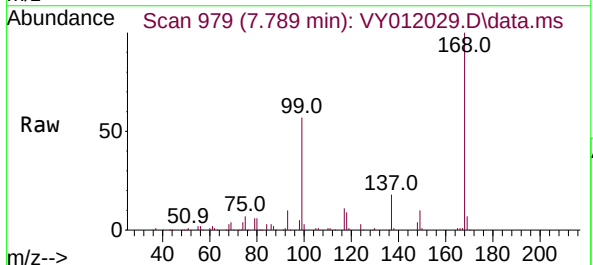
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

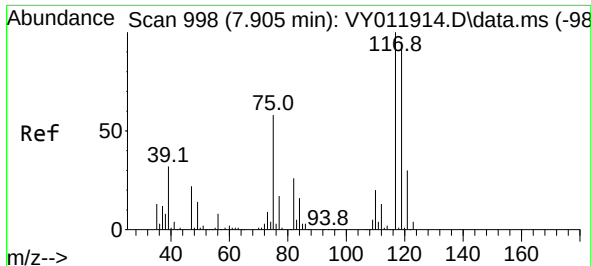
Tgt Ion:113 Resp: 95951
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.4
192 21.3 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.178 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

Tgt Ion: 75 Resp: 12596
Ion Ratio Lower Upper
75 100
110 10.1 18.1 54.1#
77 0.0 25.1 37.7#

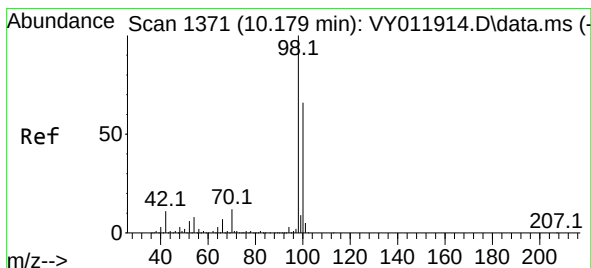
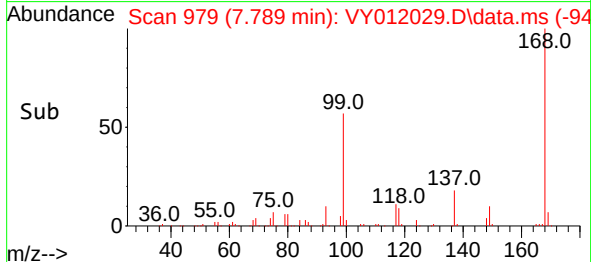
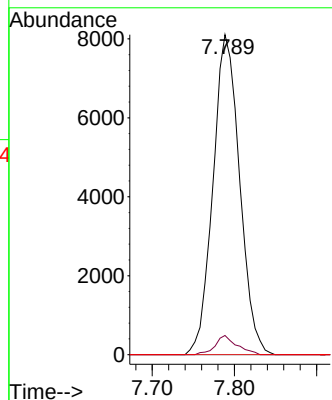
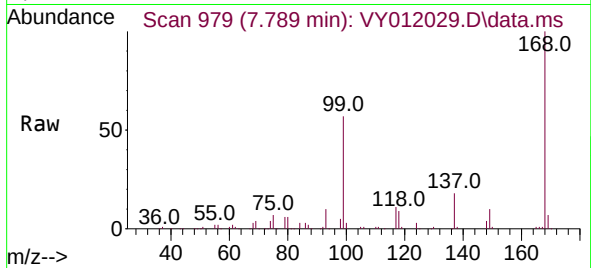




#38
Carbon Tetrachloride
Concen: 5.244 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

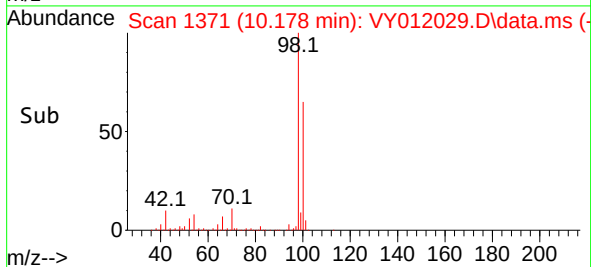
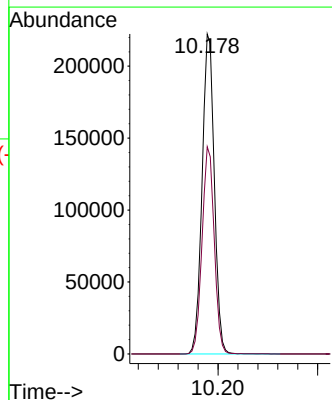
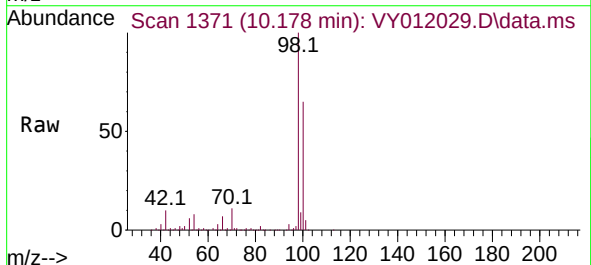
Instrument :
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TP-3

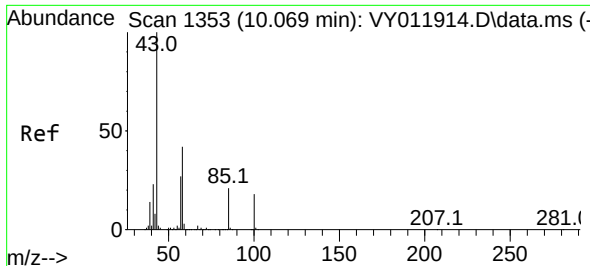
Tgt Ion:117 Resp: 18259
Ion Ratio Lower Upper
117 100
119 6.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.499 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

Tgt Ion: 98 Resp: 377457
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

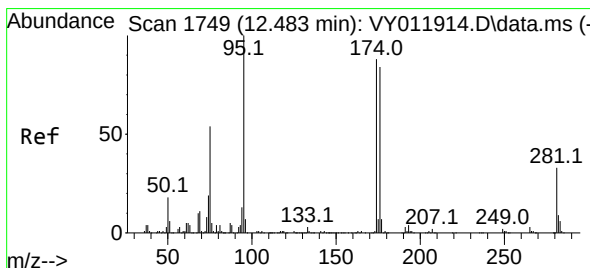
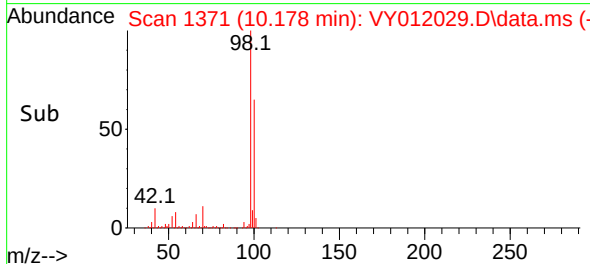
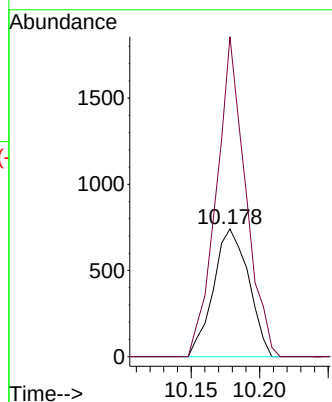
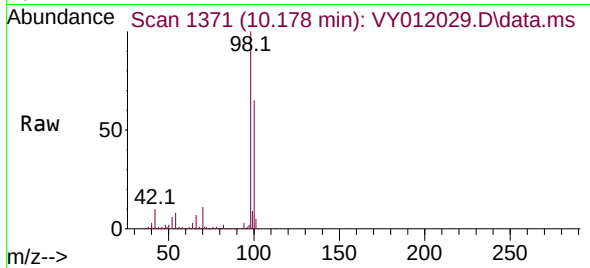




#51
4-Methyl-2-Pentanone
Concen: 1.007 ug/l
RT: 10.178 min Scan# 1353
Delta R.T. 0.109 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

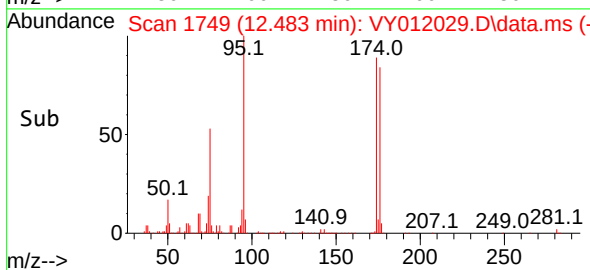
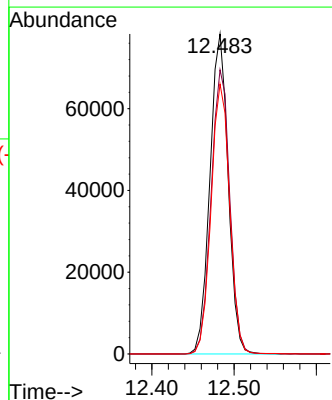
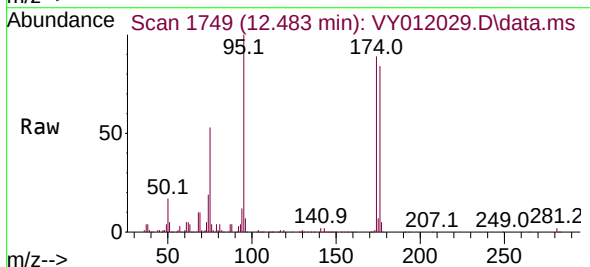
Instrument :
MSVOA_Y
ClientSampleId :
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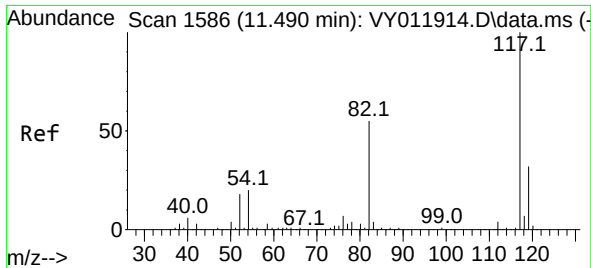
Tgt Ion: 43 Resp: 1326
Ion Ratio Lower Upper
43 100
58 207.7 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 47.084 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

Tgt Ion: 95 Resp: 120753
Ion Ratio Lower Upper
95 100
174 91.0 0.0 172.0
176 86.1 0.0 167.6

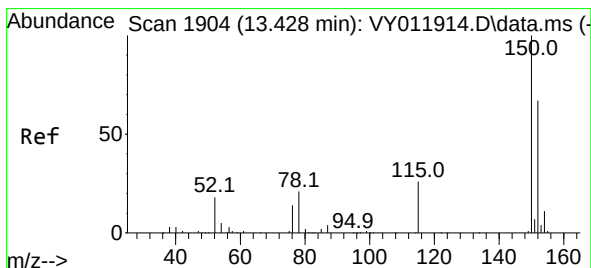
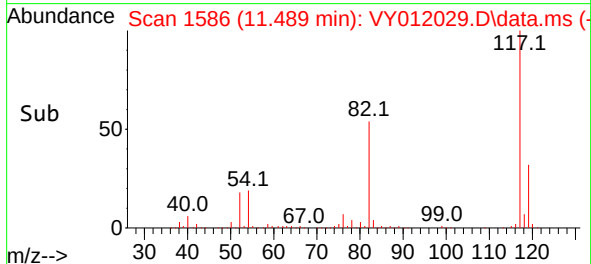
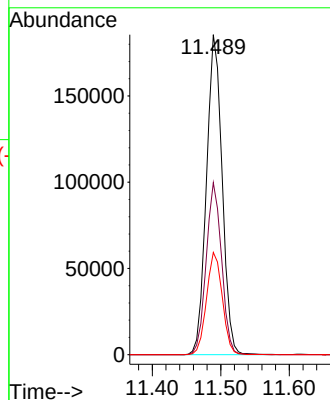
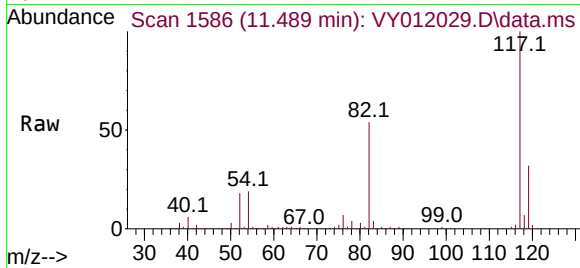




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

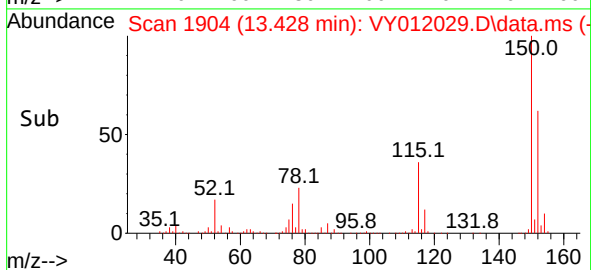
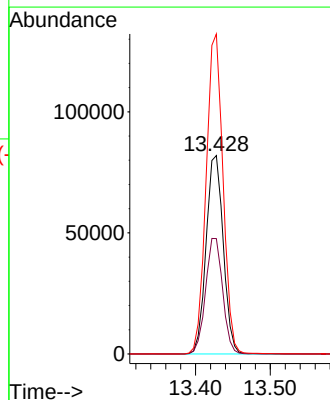
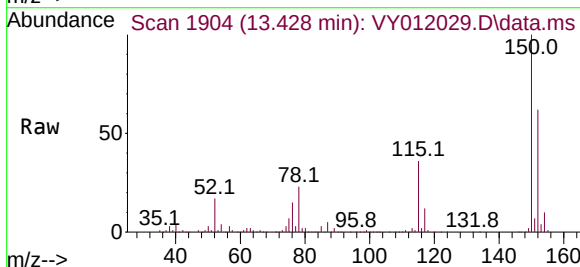
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

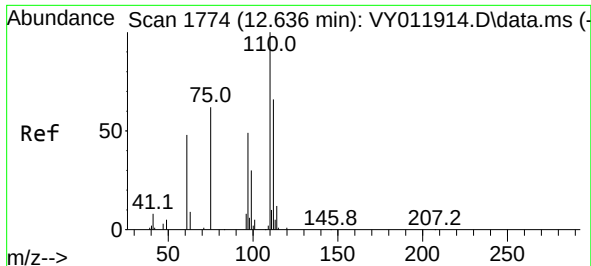
Tgt Ion:117 Resp: 295677
Ion Ratio Lower Upper
117 100
82 53.7 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

Tgt Ion:152 Resp: 130426
Ion Ratio Lower Upper
152 100
115 58.0 29.1 87.3
150 158.6 0.0 342.6

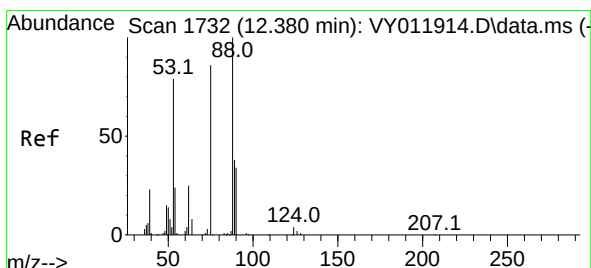
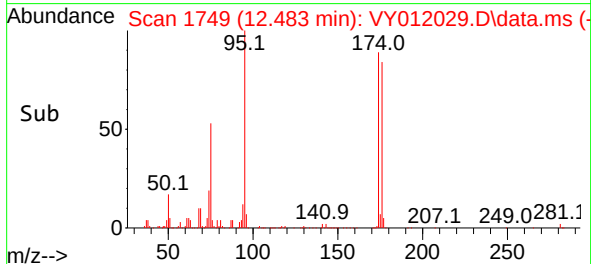
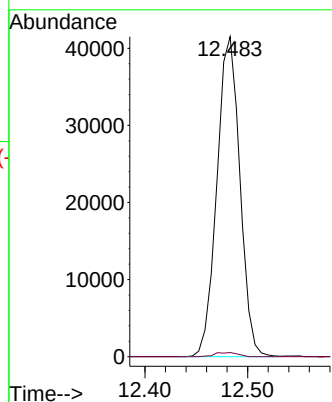
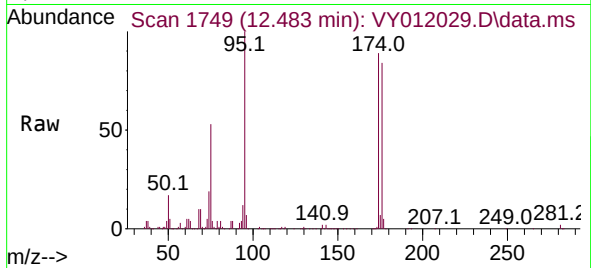




#76
1,2,3-Trichloropropane
Concen: 39.666 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

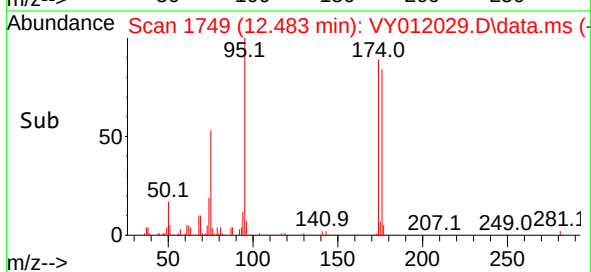
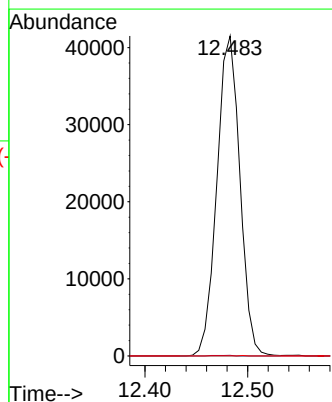
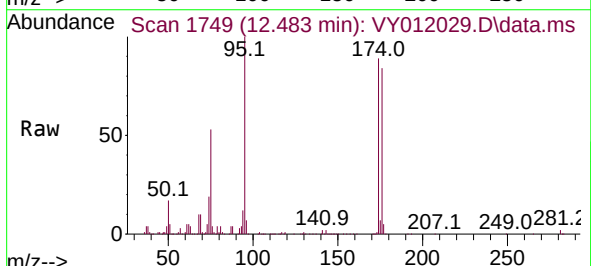
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

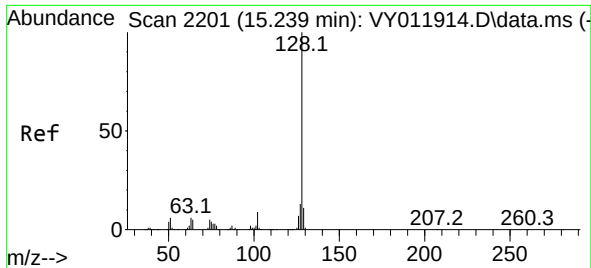
Tgt Ion: 75 Resp: 64376
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.627 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

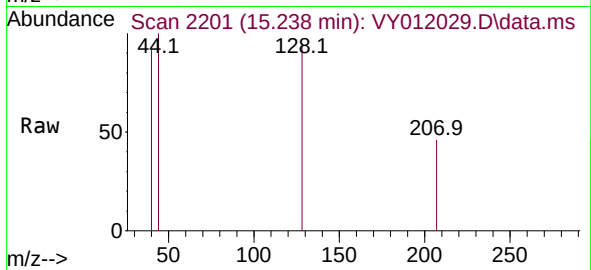
Tgt Ion: 75 Resp: 64376
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 2.854 ug/l
RT: 15.238 min Scan# 21
Delta R.T. -0.001 min
Lab File: VY012029.D
Acq: 29 Dec 2022 15:39

Instrument :
MSVOA_Y
ClientSampleId :
TP-3



Tgt Ion:128 Resp: 386
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

