

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010323\
 Data File : VY012040.D
 Acq On : 03 Jan 2023 12:38
 Operator : KP/MD
 Sample : N6233-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RO-124019

Quant Time: Jan 04 01:16:39 2023
 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)

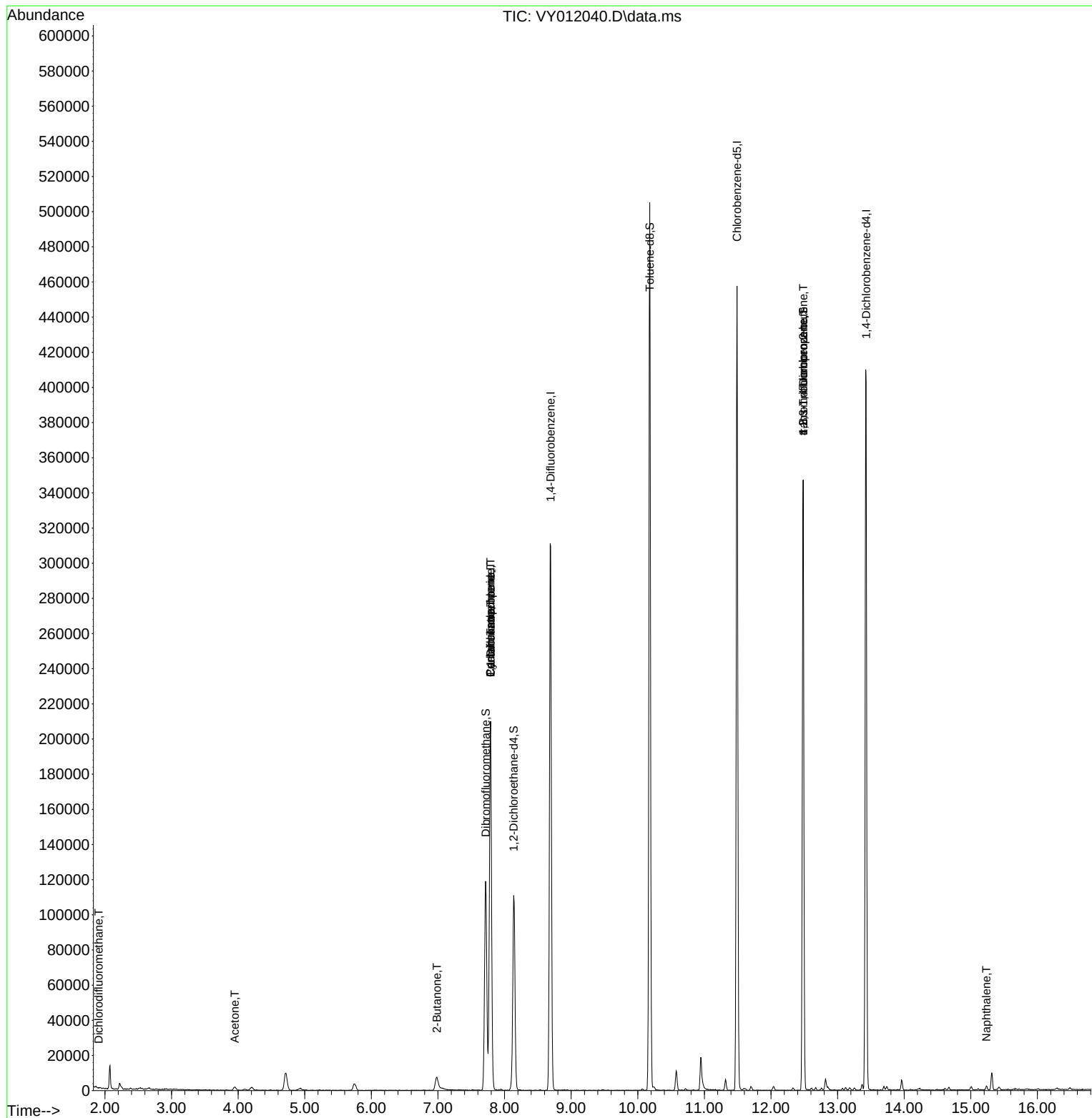
Internal Standards						
1) Pentafluorobenzene	7.789	168	161994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	274591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	249806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	110820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	91724	56.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.400%
35) Dibromofluoromethane	7.716	113	82060	49.640	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.280%
50) Toluene-d8	10.179	98	328663	49.002	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.000%
62) 4-Bromofluorobenzene	12.483	95	100470	44.540	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.080%
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.906	85	38	2.495	ug/l #	41
11) Tert butyl alcohol	4.930	59	878	Below Cal	#	74
16) Acetone	3.948	43	3502	11.921	ug/l	93
20) Methylene Chloride	4.716	84	7974	Below Cal		91
25) 2-Butanone	6.984	43	1392	2.560	ug/l #	76
31) Cyclohexane	7.789	56	3236	1.178	ug/l #	12
36) 1,1-Dichloropropene	7.789	75	11709	4.416	ug/l #	49
38) Carbon Tetrachloride	7.789	117	16397	5.354	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	53376	38.707	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53376	106.000	ug/l #	13
95) Naphthalene	15.233	128	2406	3.335	ug/l #	97

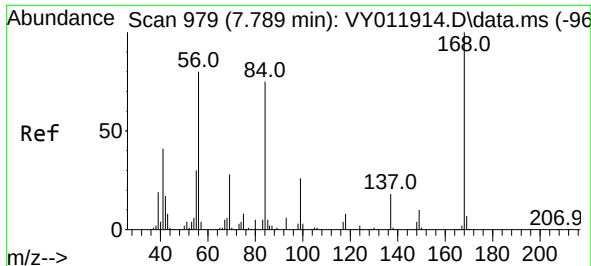
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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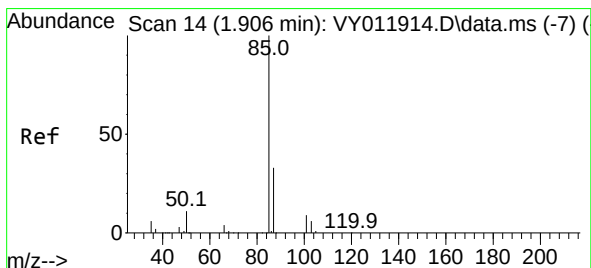
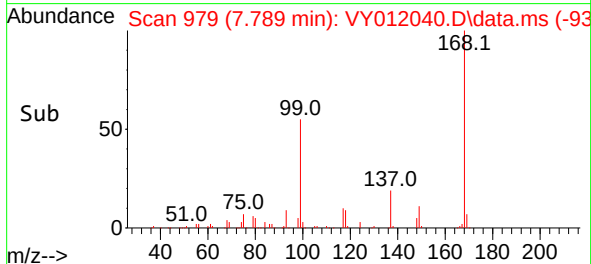
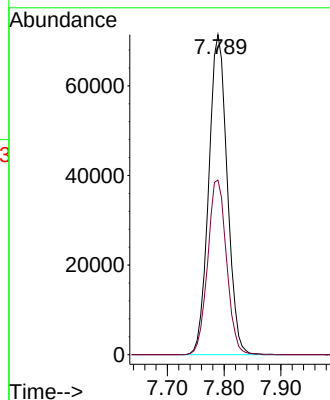
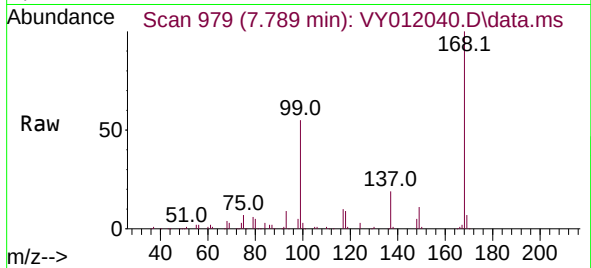




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

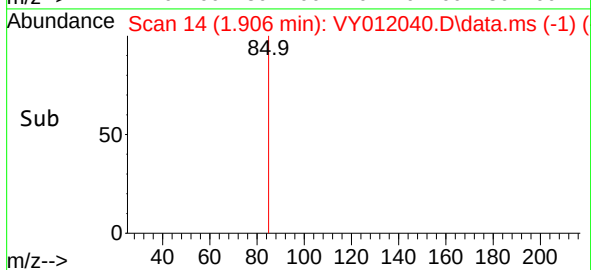
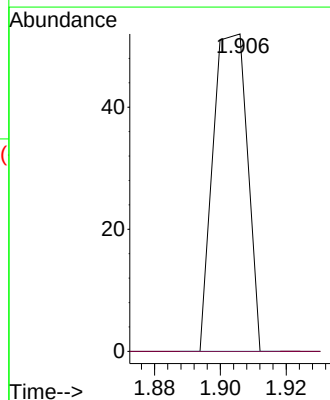
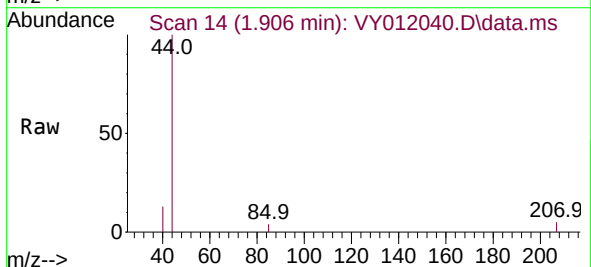
Instrument :
MSVOA_Y
ClientSampleId :
RO-124019

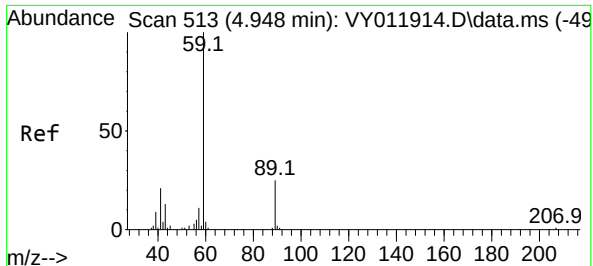
Tgt Ion:168 Resp: 161994
Ion Ratio Lower Upper
168 100
99 54.6 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.495 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

Tgt Ion: 85 Resp: 38
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY012040.D

Acq: 03 Jan 2023 12:38

Instrument :

MSVOA_Y

ClientSampleId :

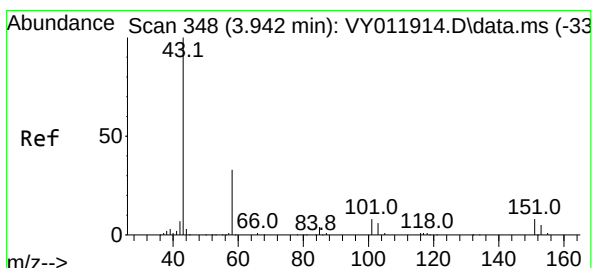
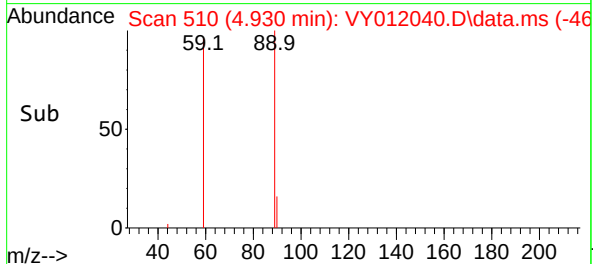
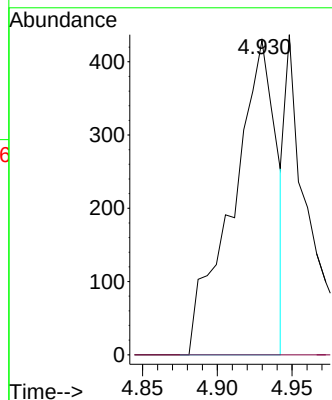
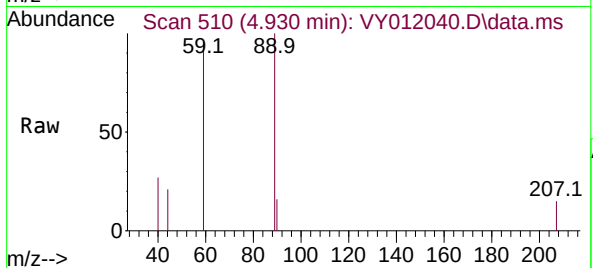
RO-124019

Tgt Ion: 59 Resp: 878

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 11.921 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY012040.D

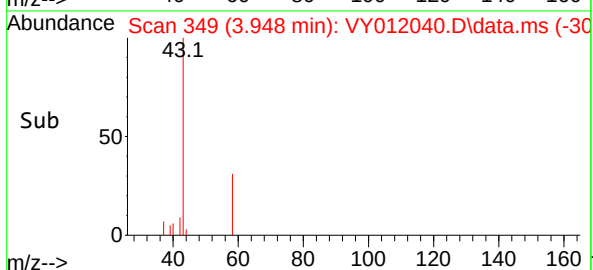
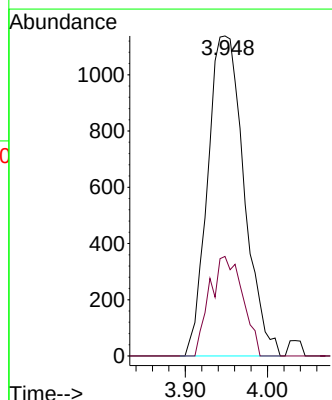
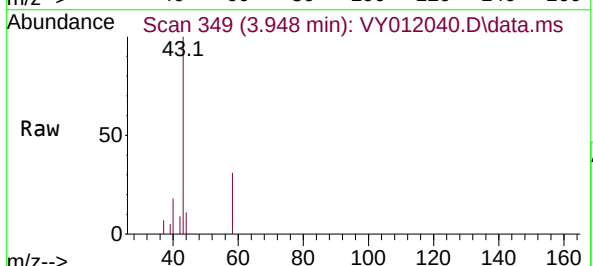
Acq: 03 Jan 2023 12:38

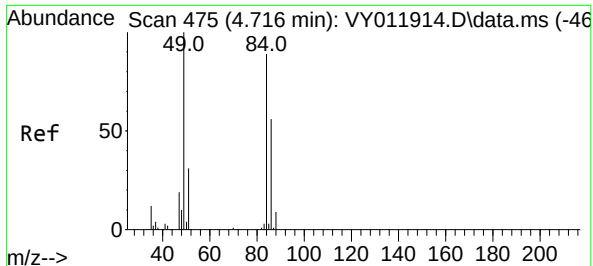
Tgt Ion: 43 Resp: 3502

Ion Ratio Lower Upper

43 100

58 31.1 27.9 41.9





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012040.D

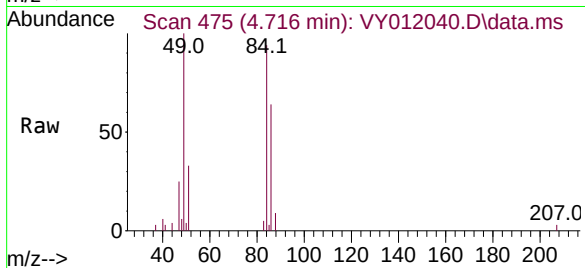
Acq: 03 Jan 2023 12:38

Instrument :

MSVOA_Y

ClientSampleId :

RO-124019



Tgt Ion: 84 Resp: 7974

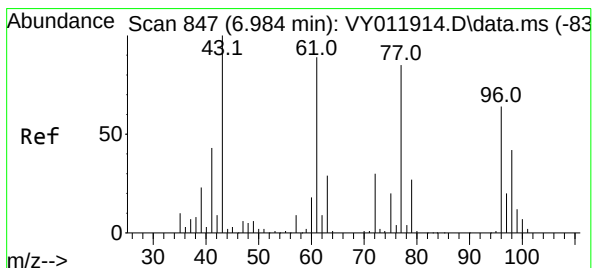
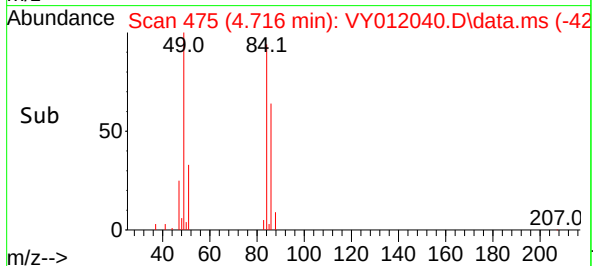
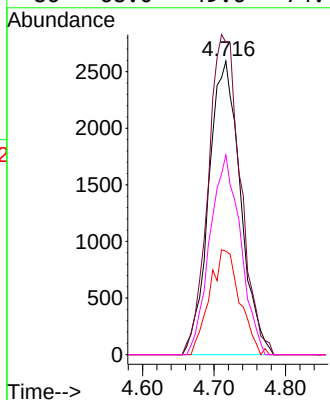
Ion Ratio Lower Upper

84 100

49 106.5 95.4 143.2

51 35.3 29.9 44.9

86 68.0 49.6 74.4



#25

2-Butanone

Concen: 2.560 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012040.D

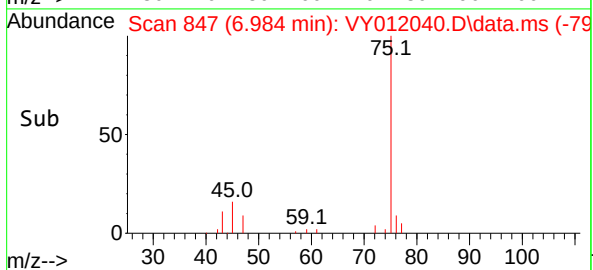
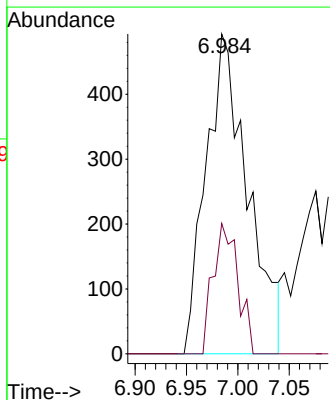
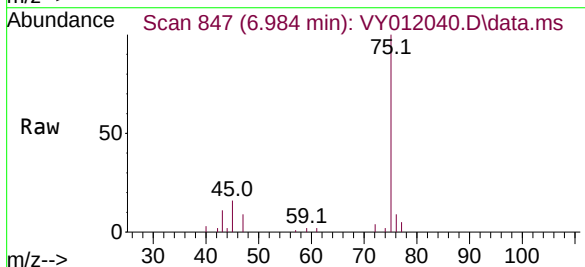
Acq: 03 Jan 2023 12:38

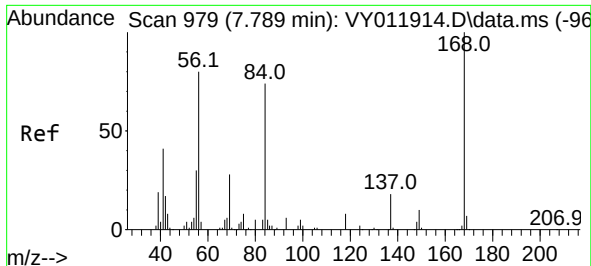
Tgt Ion: 43 Resp: 1392

Ion Ratio Lower Upper

43 100

72 40.8 22.6 34.0#

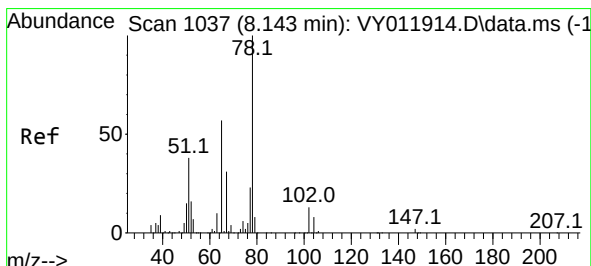
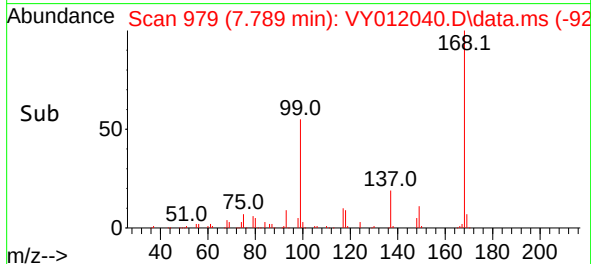
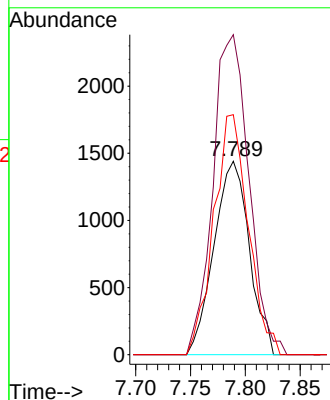
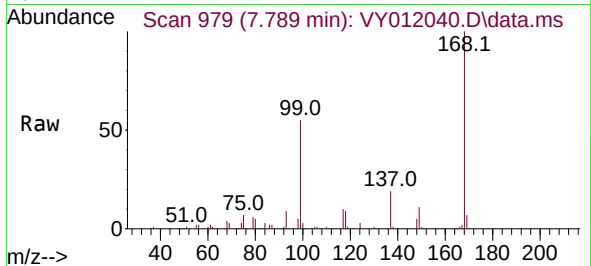




#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

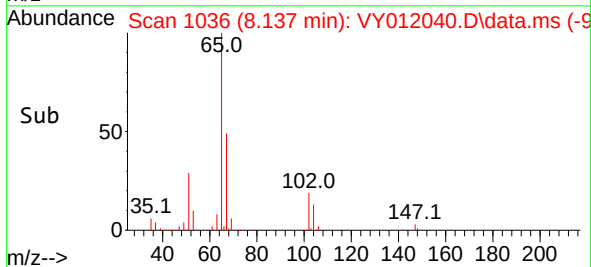
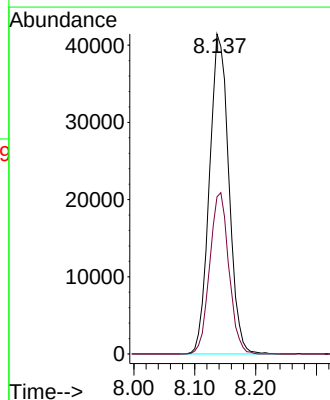
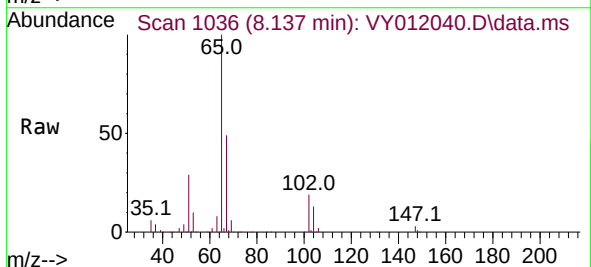
Instrument :
MSVOA_Y
ClientSampleId :
RO-124019

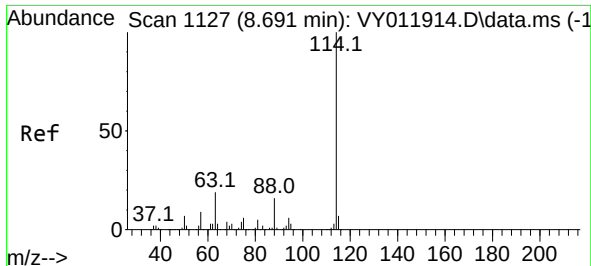
Tgt Ion: 56 Resp: 3236
Ion Ratio Lower Upper
56 100
69 165.4 29.2 43.8#
84 124.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 56.202 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

Tgt Ion: 65 Resp: 91724
Ion Ratio Lower Upper
65 100
67 49.7 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: VY012040.D

Acq: 03 Jan 2023 12:38

Instrument :

MSVOA_Y

ClientSampleId :

RO-124019

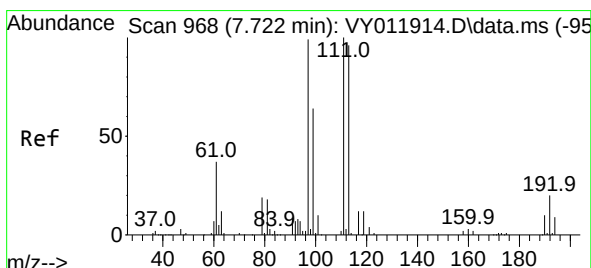
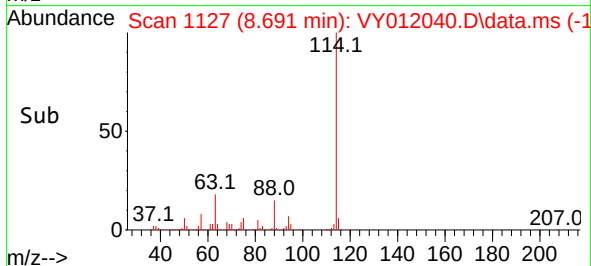
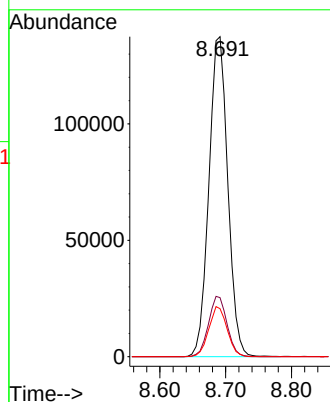
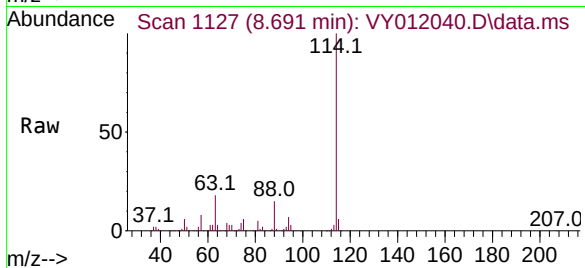
Tgt Ion:114 Resp: 274591

Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.640 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012040.D

Acq: 03 Jan 2023 12:38

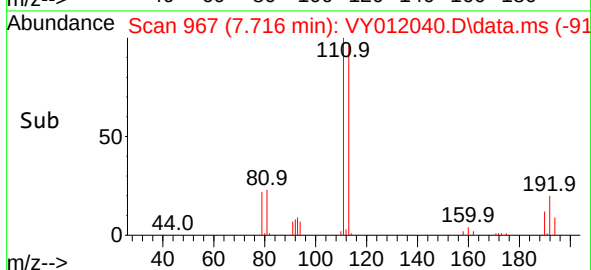
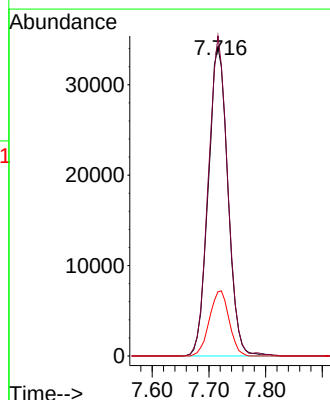
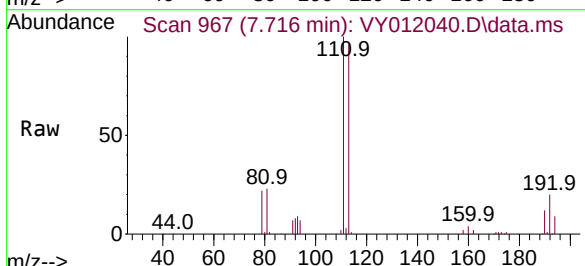
Tgt Ion:113 Resp: 82060

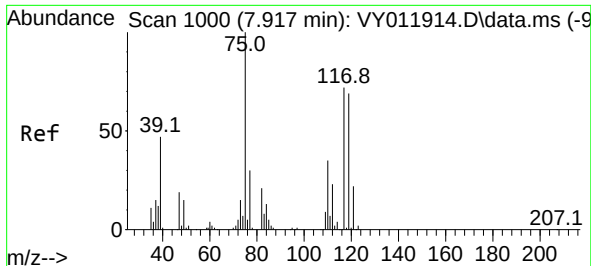
Ion Ratio Lower Upper

113 100

111 101.3 83.0 124.4

192 21.1 16.0 24.0

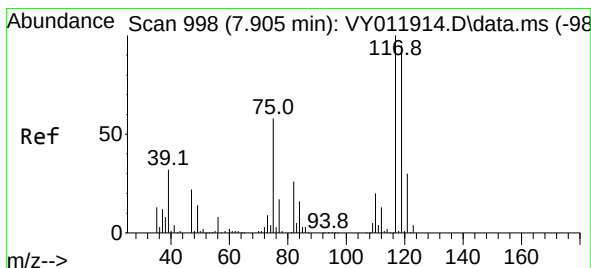
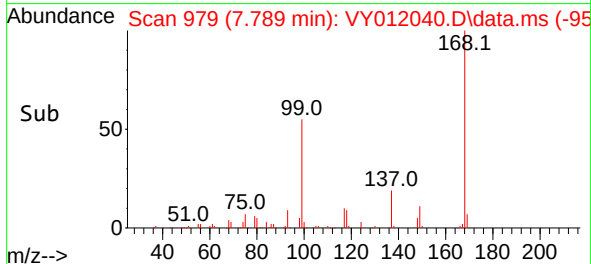
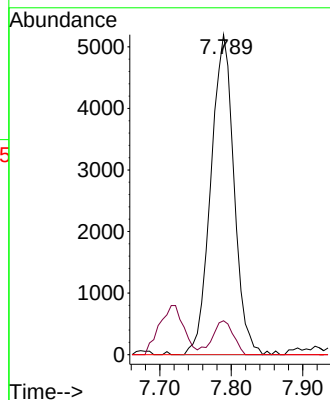
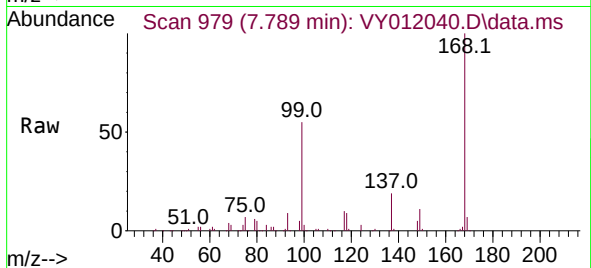




#36
1,1-Dichloropropene
Concen: 4.416 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

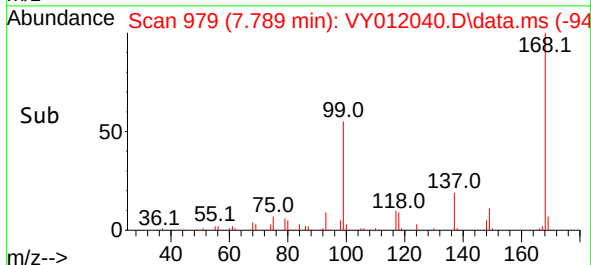
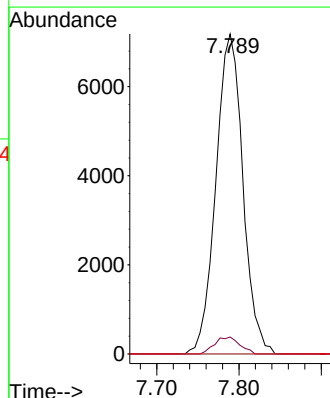
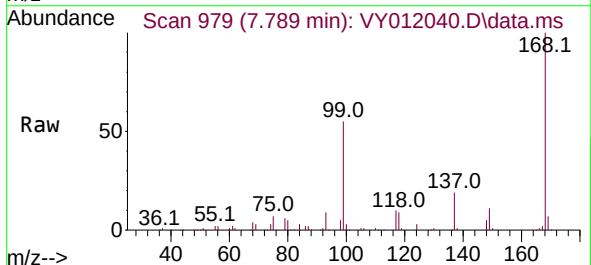
Instrument :
MSVOA_Y
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RO-124019

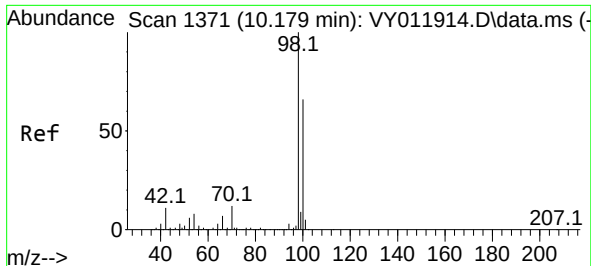
Tgt Ion: 75 Resp: 11709
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.354 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

Tgt Ion: 117 Resp: 16397
Ion Ratio Lower Upper
117 100
119 5.3 73.8 110.8#
121 0.0 25.2 37.8#

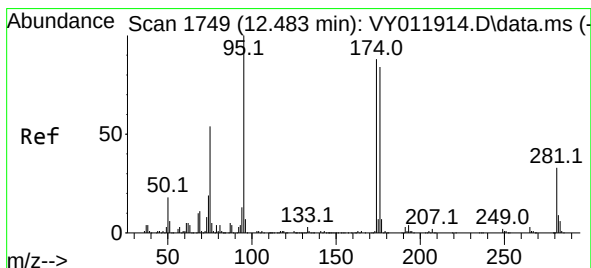
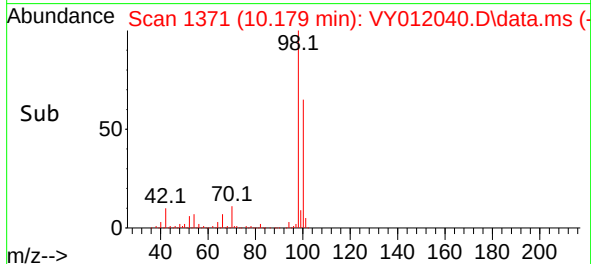
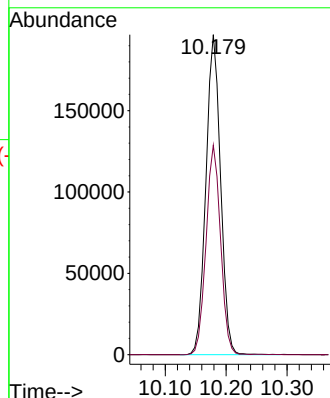
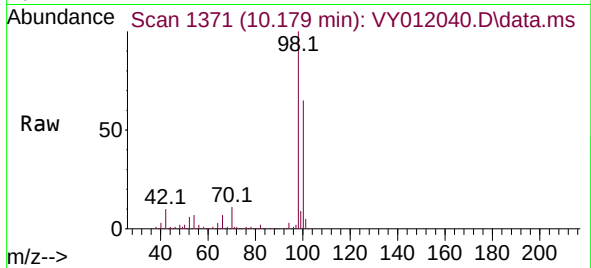




#50
Toluene-d8
Concen: 49.002 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

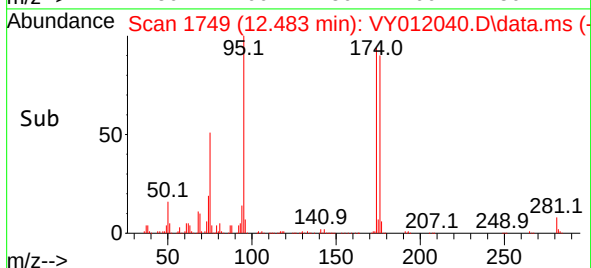
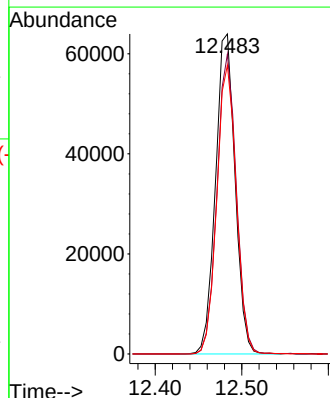
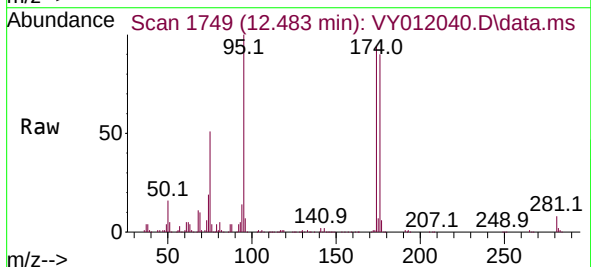
Instrument :
MSVOA_Y
ClientSampleId :
RO-124019

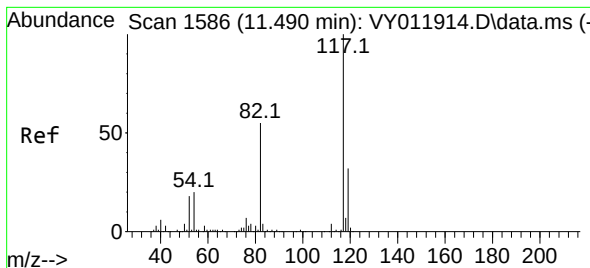
Tgt Ion: 98 Resp: 328663
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.540 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

Tgt Ion: 95 Resp: 100470
Ion Ratio Lower Upper
95 100
174 92.4 0.0 172.0
176 89.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012040.D

Acq: 03 Jan 2023 12:38

Instrument :

MSVOA_Y

ClientSampleId :

RO-124019

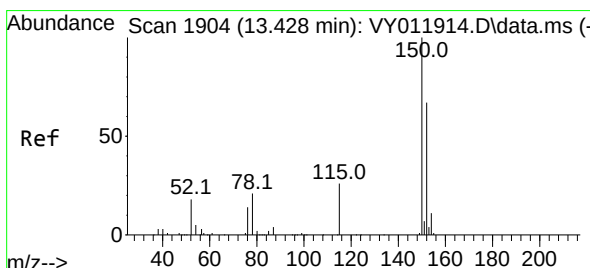
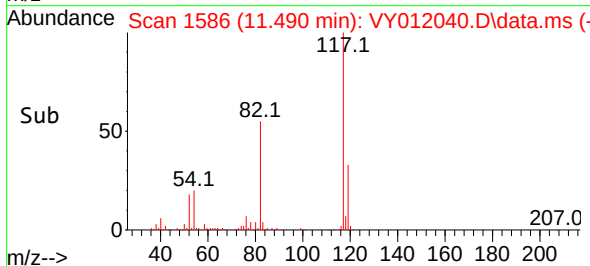
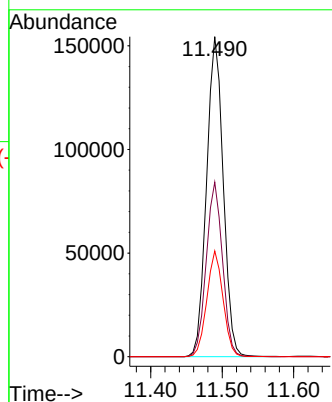
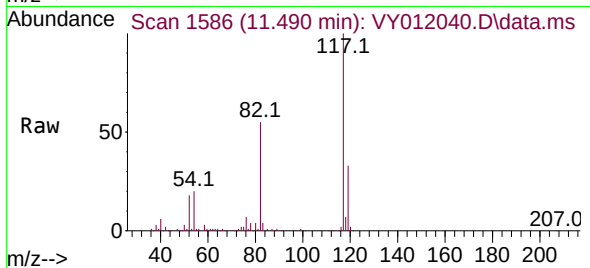
Tgt Ion:117 Resp: 249806

Ion Ratio Lower Upper

117 100

82 54.5 44.8 67.2

119 33.0 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: VY012040.D

Acq: 03 Jan 2023 12:38

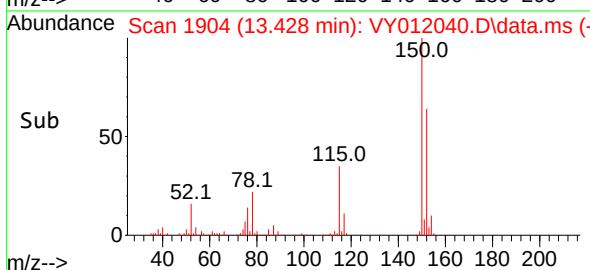
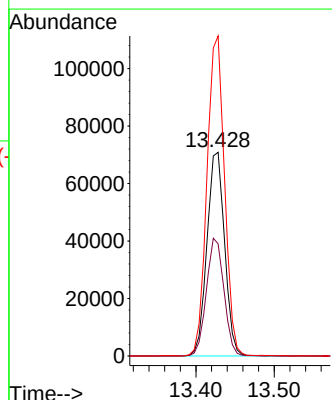
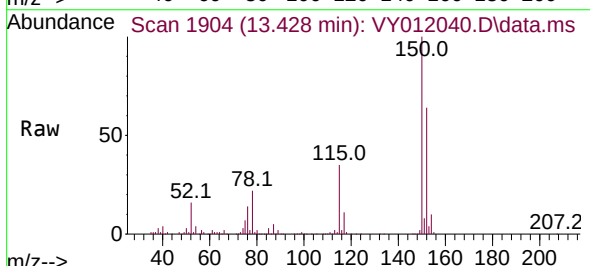
Tgt Ion:152 Resp: 110820

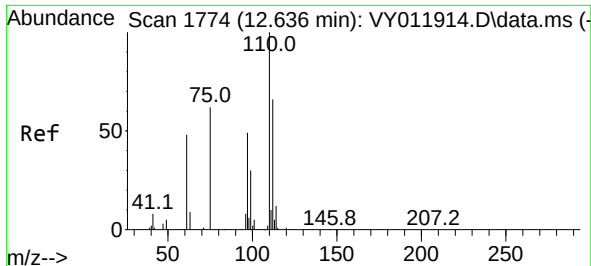
Ion Ratio Lower Upper

152 100

115 57.4 29.1 87.3

150 156.0 0.0 342.6

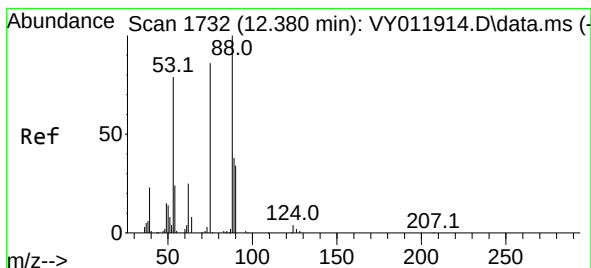
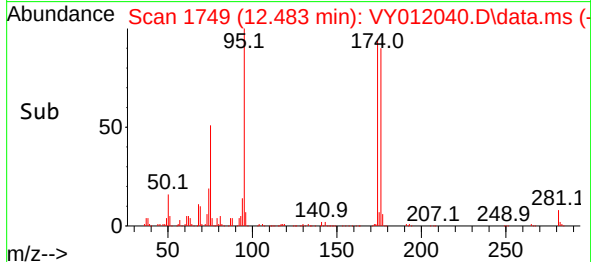
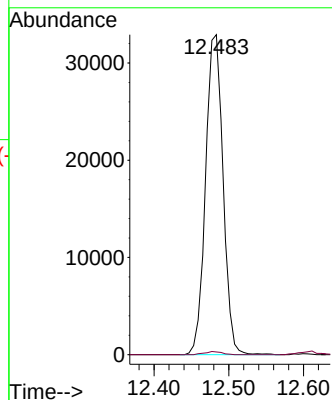
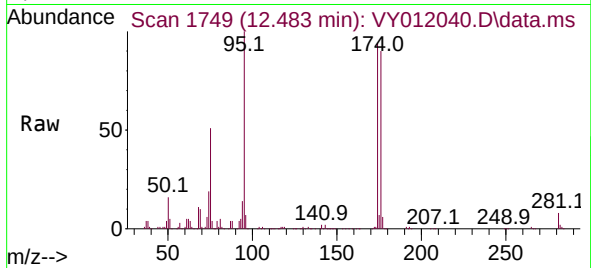




#76
1,2,3-Trichloropropane
Concen: 38.707 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

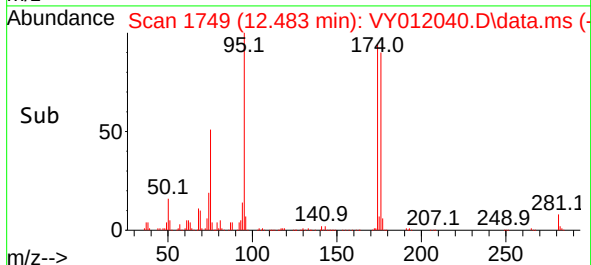
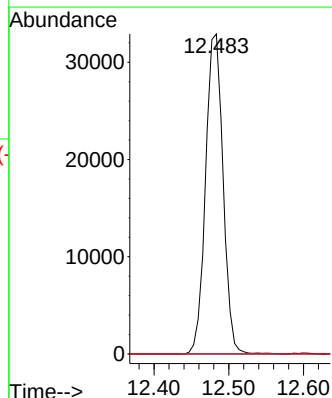
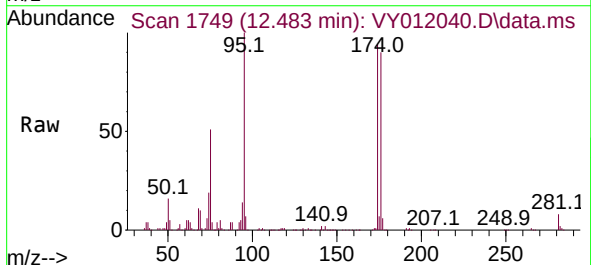
Instrument :
MSVOA_Y
ClientSampleId :
RO-124019

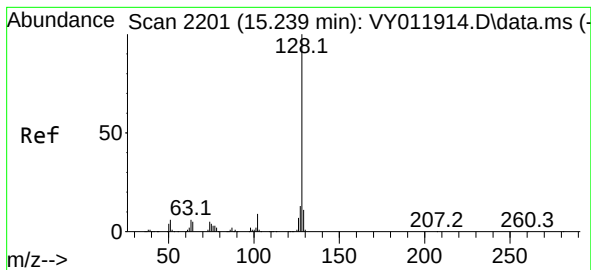
Tgt Ion: 75 Resp: 53376
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.000 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012040.D
Acq: 03 Jan 2023 12:38

Tgt Ion: 75 Resp: 53376
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.335 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY012040.D

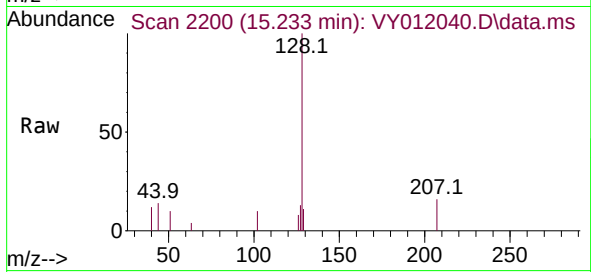
Acq: 03 Jan 2023 12:38

Instrument :

MSVOA_Y

ClientSampleId :

RO-124019



Tgt Ion:128 Resp: 2406

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 8.6 8.8 13.2#

