

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052523\
 Data File : VY013871.D
 Acq On : 25 May 2023 14:26
 Operator : KP/MD
 Sample : 02870-11
 Misc : 4.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP20

Quant Time: May 26 04:33:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

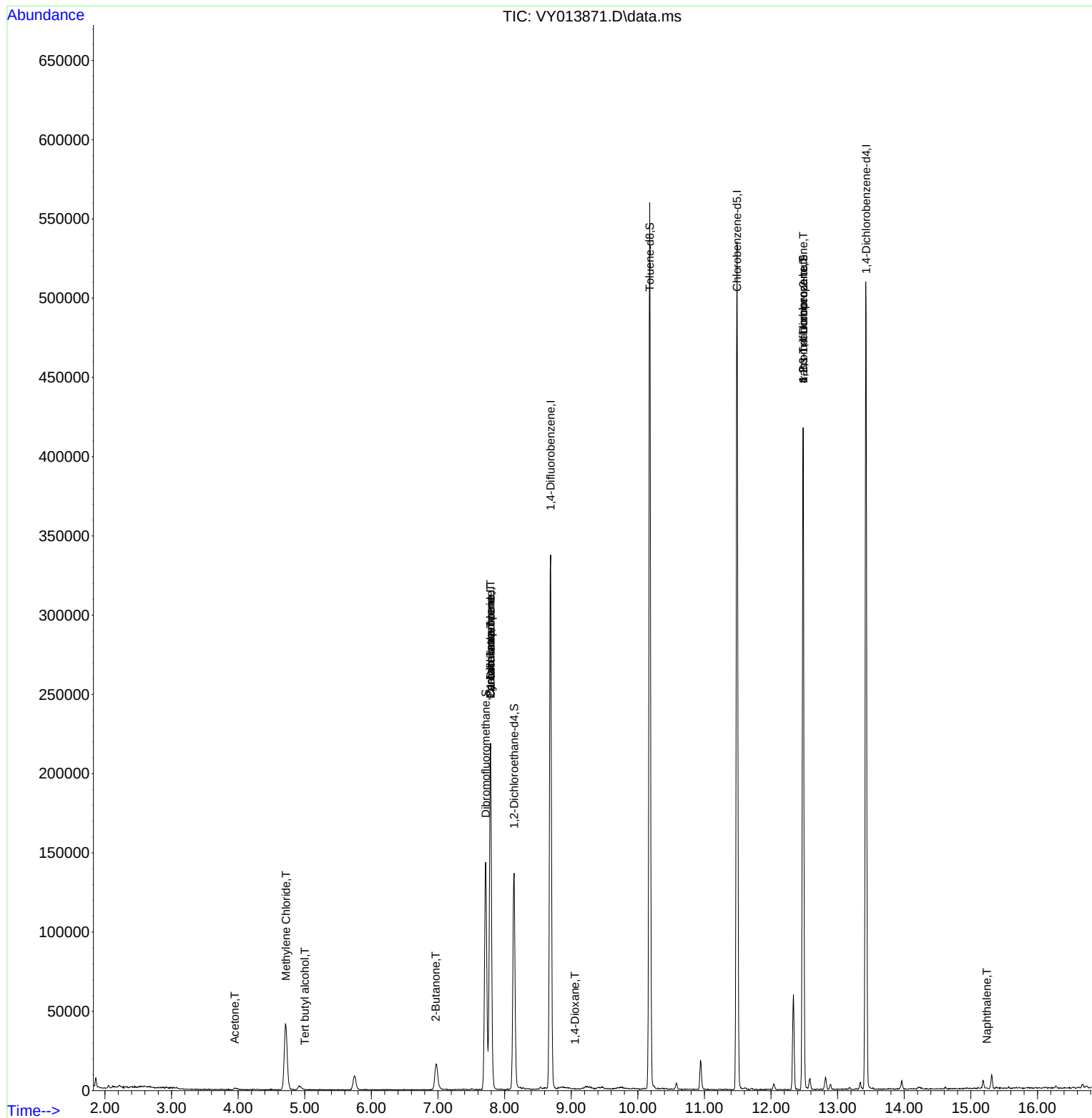
Internal Standards						
1) Pentafluorobenzene	7.789	168	165311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	282169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	281341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	113123	59.150	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.300%			
35) Dibromofluoromethane	7.716	113	95545	52.432	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.860%			
50) Toluene-d8	10.179	98	353679	51.067	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.140%			
62) 4-Bromofluorobenzene	12.483	95	117660	51.109	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 102.220%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.003	59	176	1.201	ug/l #	73
16) Acetone	3.948	43	2194	3.865	ug/l #	84
20) Methylene Chloride	4.716	84	30924	13.512	ug/l	95
25) 2-Butanone	6.966	43	1099	1.587	ug/l #	49
31) Cyclohexane	7.789	56	3802	1.294	ug/l #	6
36) 1,1-Dichloropropene	7.789	75	12723	4.584	ug/l #	51
38) Carbon Tetrachloride	7.789	117	15928	5.046	ug/l #	17
49) 1,4-Dioxane	9.057	88	22	1.601	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	65548	43.024	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65548	93.391	ug/l #	10
95) Naphthalene	15.239	128	309	4.600	ug/l #	68

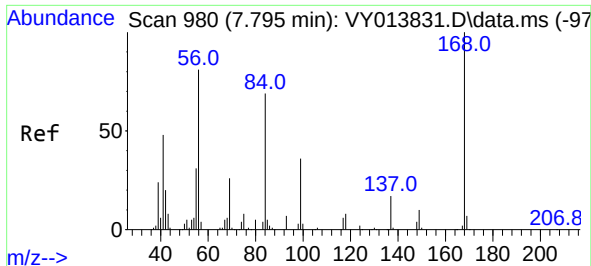
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 26 04:33:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
Quant Title : SW846 8260
QLast Update : Wed May 24 05:25:47 2023
Response via : Initial Calibration

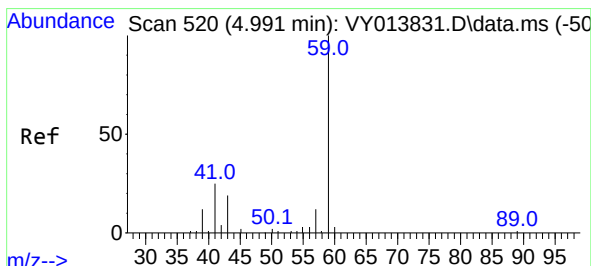
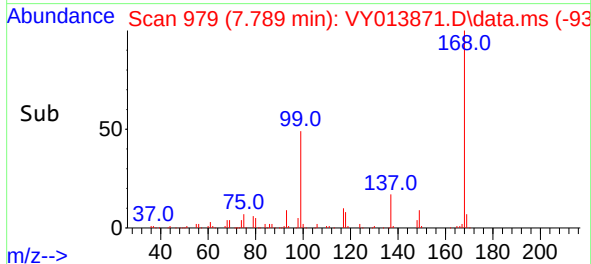
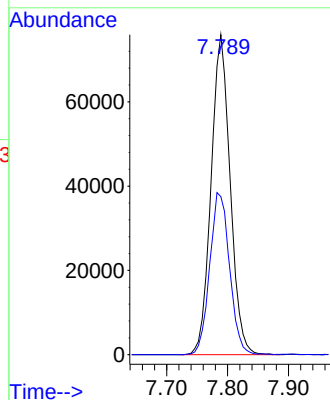
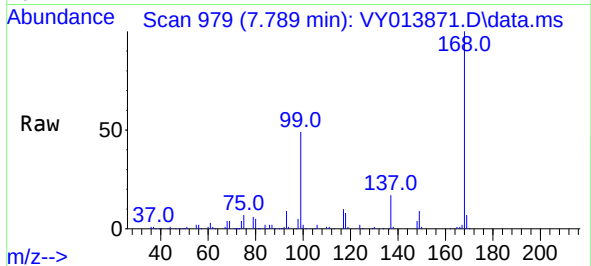




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

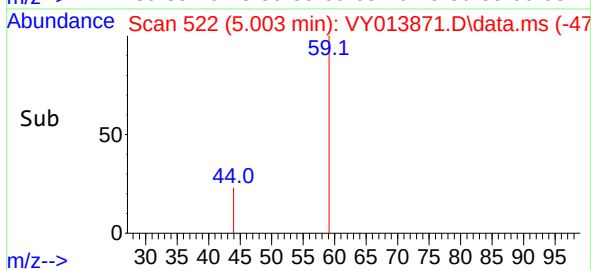
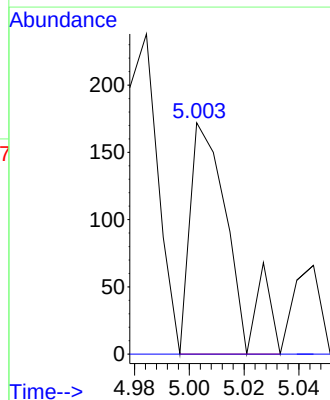
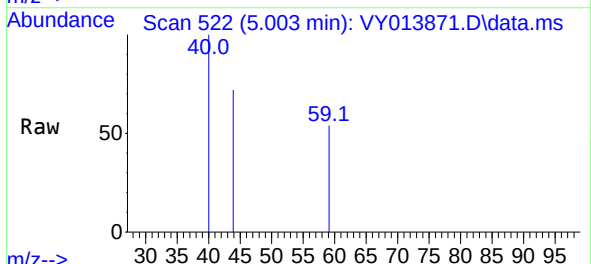
Instrument :
MSVOA_Y
ClientSampleId :
TP20

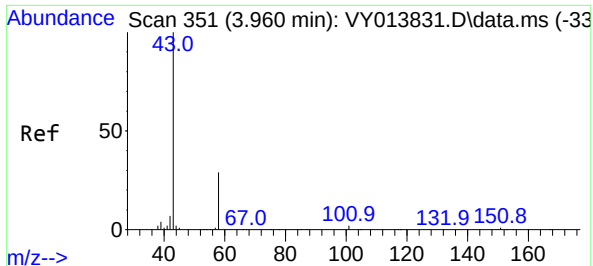
Tgt Ion:168 Resp: 165311
Ion Ratio Lower Upper
168 100
99 49.4 43.4 65.2



#11
Tert butyl alcohol
Concen: 1.201 ug/l
RT: 5.003 min Scan# 522
Delta R.T. 0.012 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

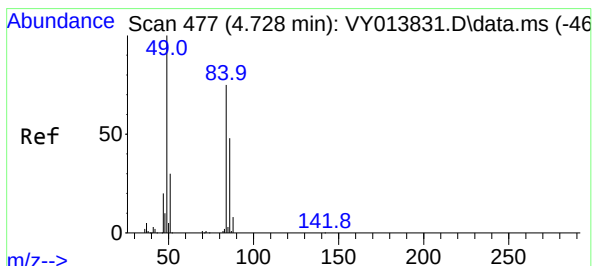
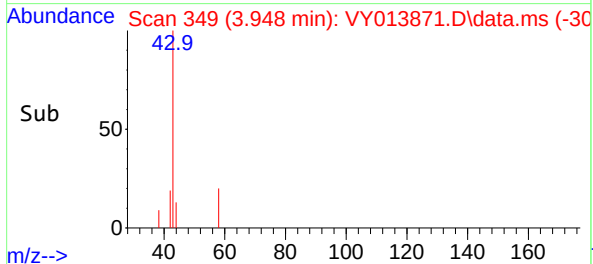
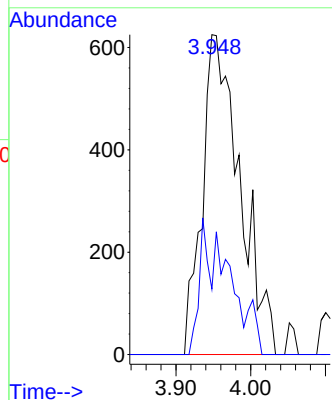
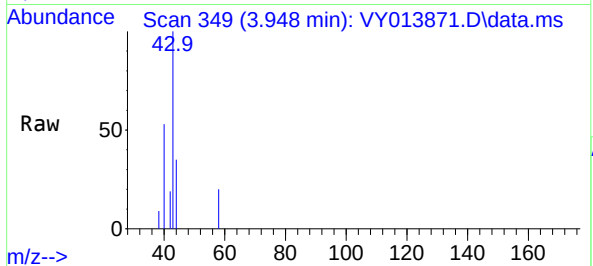




#16
Acetone
Concen: 3.865 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

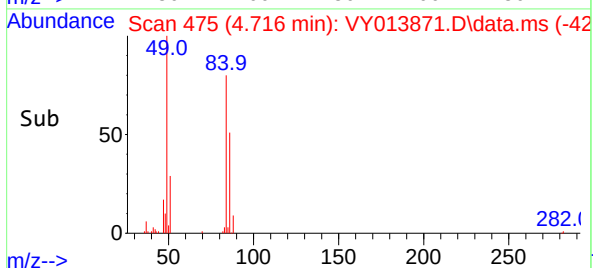
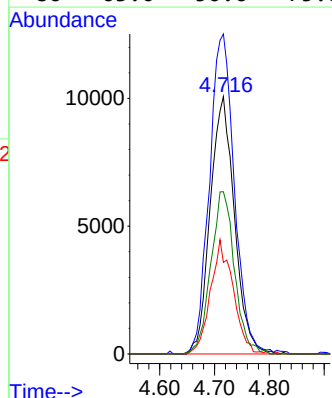
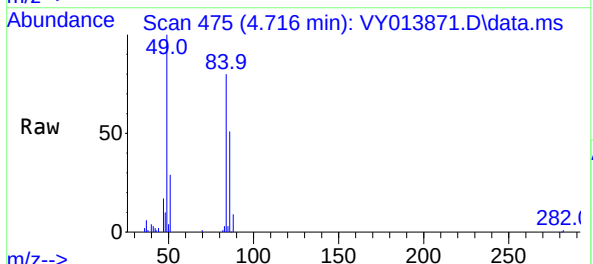
Instrument :
MSVOA_Y
ClientSampleId :
TP20

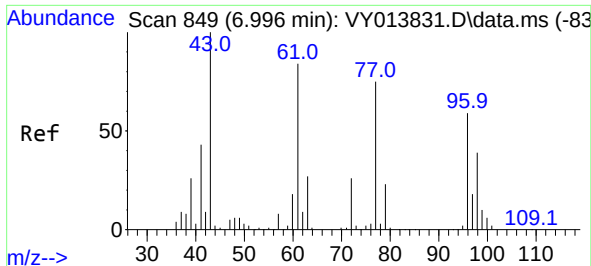
Tgt Ion: 43 Resp: 2194
Ion Ratio Lower Upper
43 100
58 20.5 23.3 34.9#



#20
Methylene Chloride
Concen: 13.512 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Tgt Ion: 84 Resp: 30924
Ion Ratio Lower Upper
84 100
49 124.3 106.2 159.2
51 35.5 31.4 47.0
86 63.0 50.6 75.8





#25

2-Butanone

Concen: 1.587 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.031 min

Lab File: VY013871.D

Acq: 25 May 2023 14:26

Instrument :

MSVOA_Y

ClientSampleId :

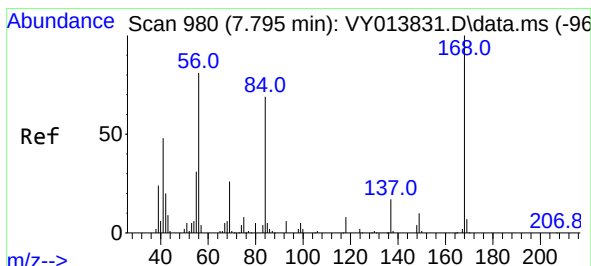
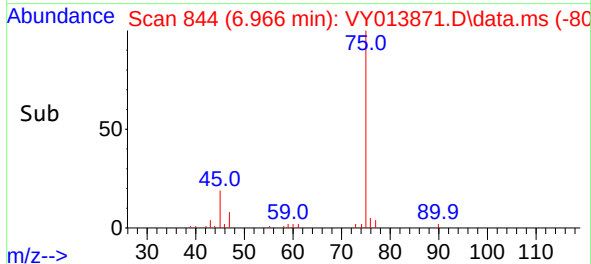
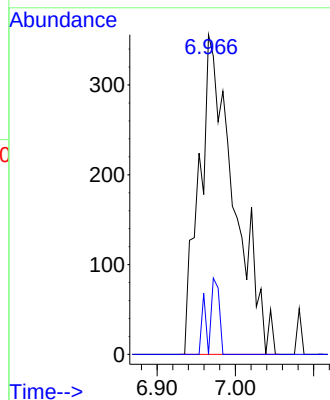
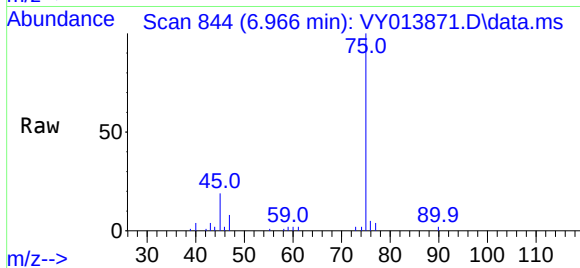
TP20

Tgt Ion: 43 Resp: 1099

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#31

Cyclohexane

Concen: 1.294 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

Lab File: VY013871.D

Acq: 25 May 2023 14:26

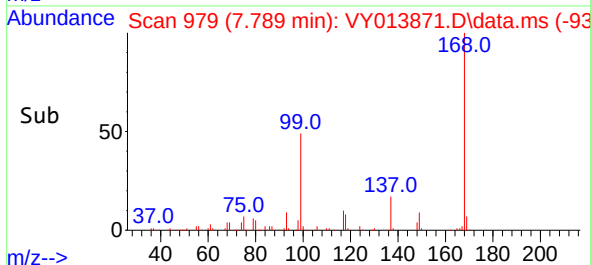
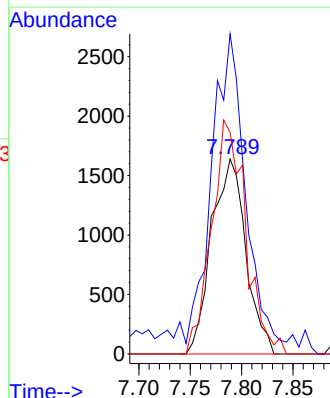
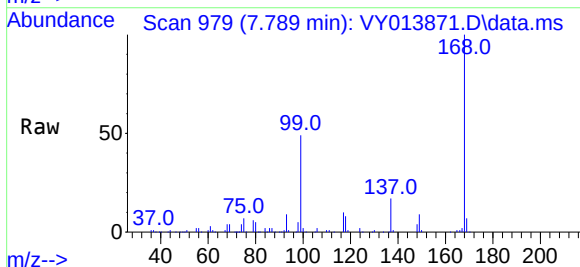
Tgt Ion: 56 Resp: 3802

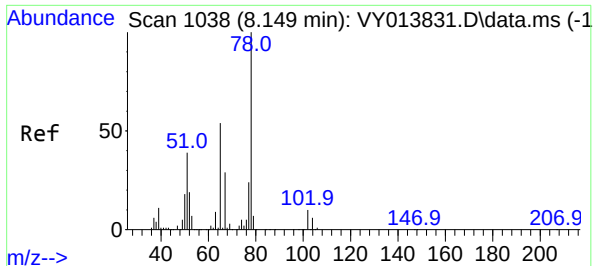
Ion Ratio Lower Upper

56 100

69 157.1 25.8 38.8#

84 126.5 68.2 102.2#





#33

1,2-Dichloroethane-d4

Concen: 59.150 ug/l

RT: 8.142 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY013871.D

Acq: 25 May 2023 14:26

Instrument :

MSVOA_Y

ClientSampleId :

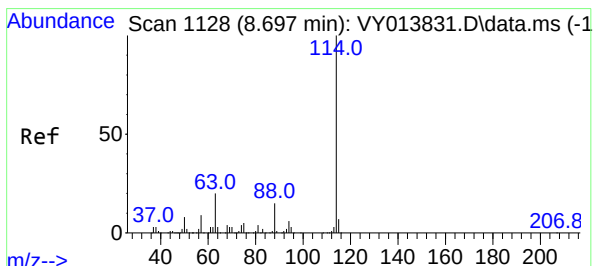
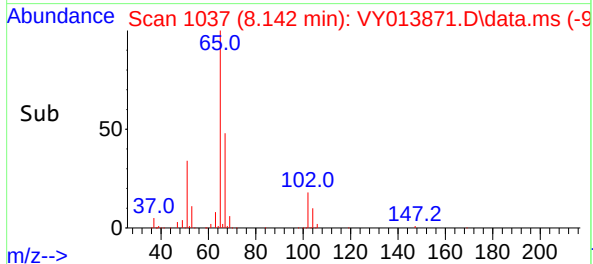
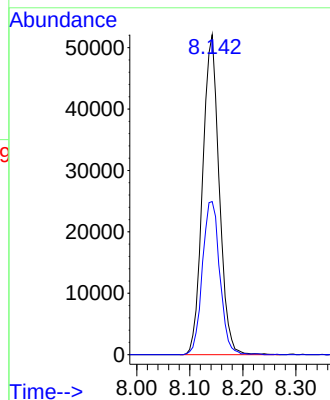
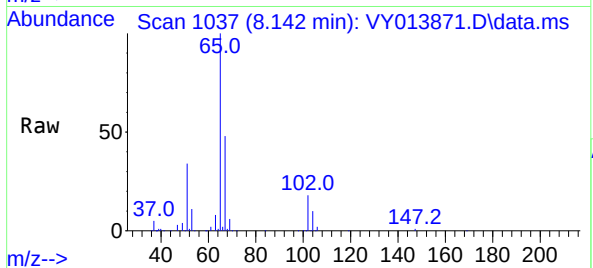
TP20

Tgt Ion: 65 Resp: 113123

Ion Ratio Lower Upper

65 100

67 50.2 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013871.D

Acq: 25 May 2023 14:26

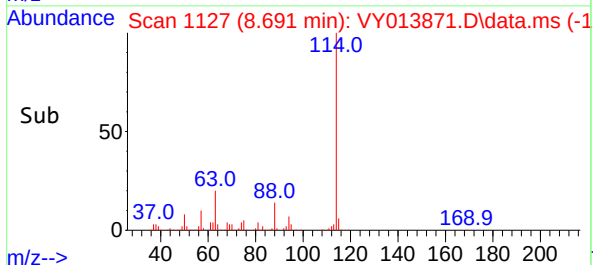
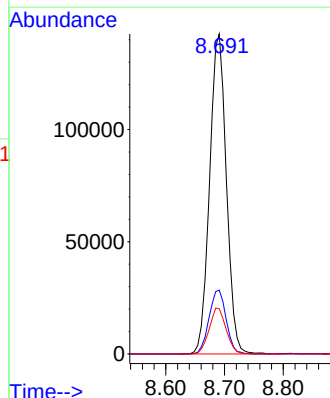
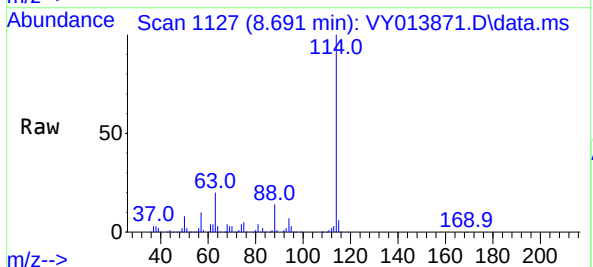
Tgt Ion:114 Resp: 282169

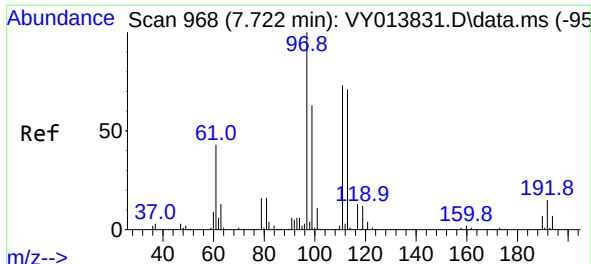
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.2

88 14.1 0.0 30.0

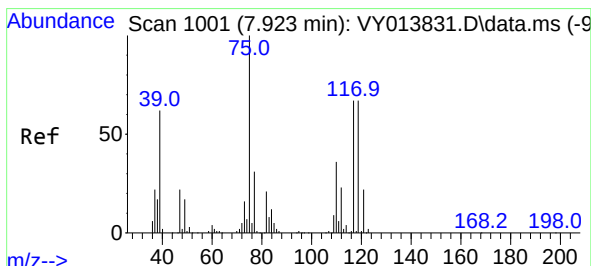
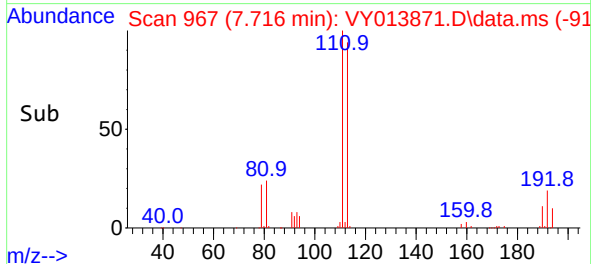
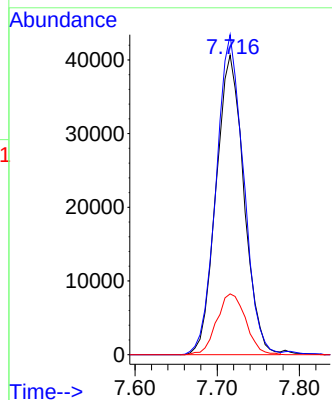
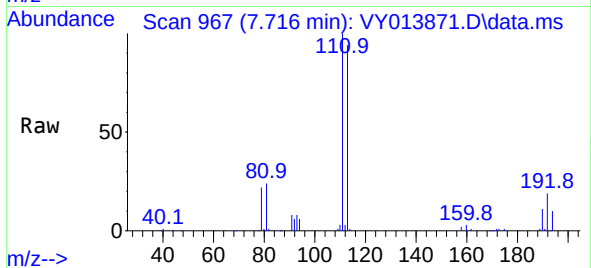




#35
Dibromofluoromethane
Concen: 52.432 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

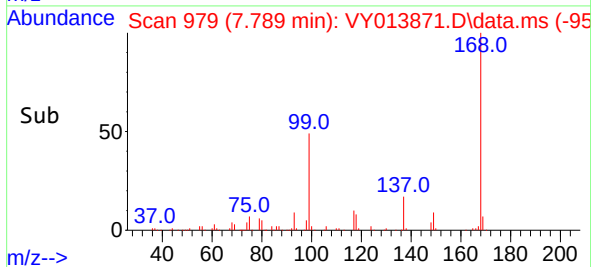
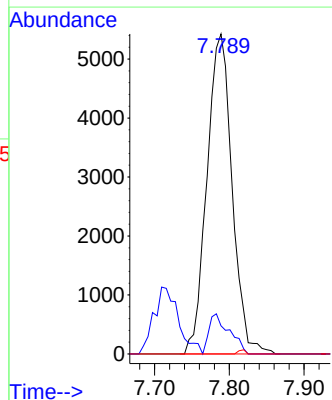
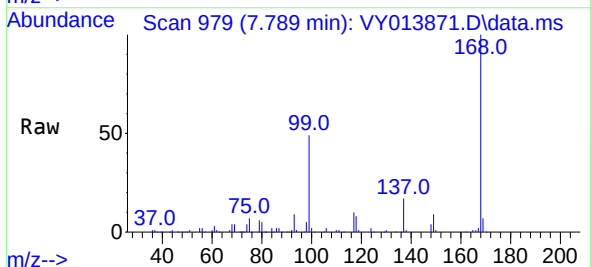
Instrument :
MSVOA_Y
ClientSampleId :
TP20

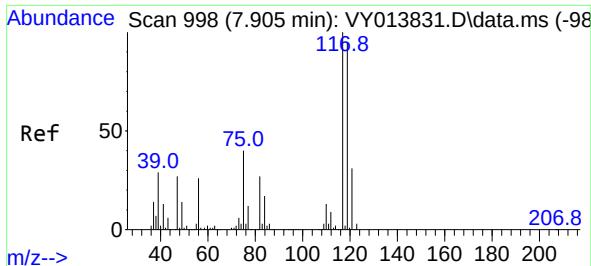
Tgt Ion:113 Resp: 95545
Ion Ratio Lower Upper
113 100
111 105.3 80.4 120.6
192 21.1 16.6 25.0



#36
1,1-Dichloropropene
Concen: 4.584 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

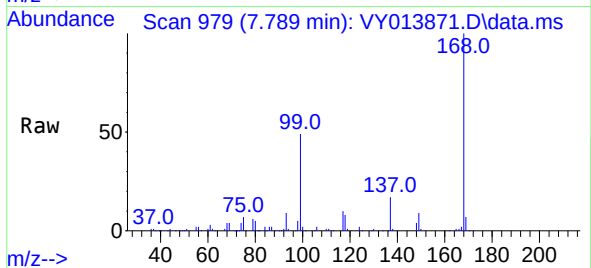
Tgt Ion: 75 Resp: 12723
Ion Ratio Lower Upper
75 100
110 10.1 17.5 52.6#
77 0.0 24.4 36.6#



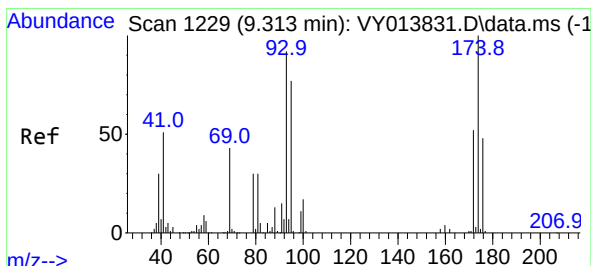
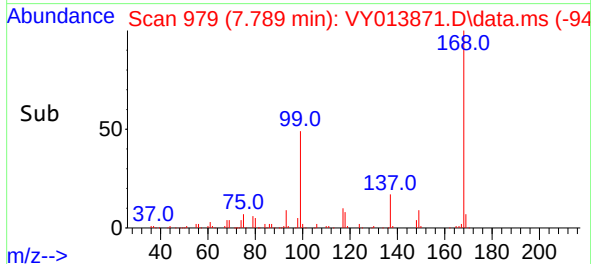
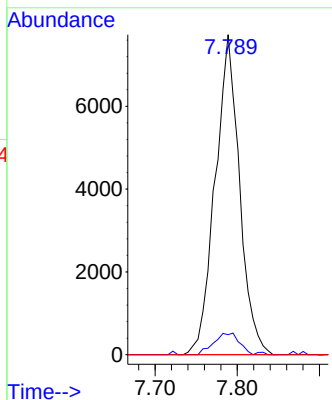


#38
Carbon Tetrachloride
Concen: 5.046 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Instrument :
MSVOA_Y
ClientSampleId :
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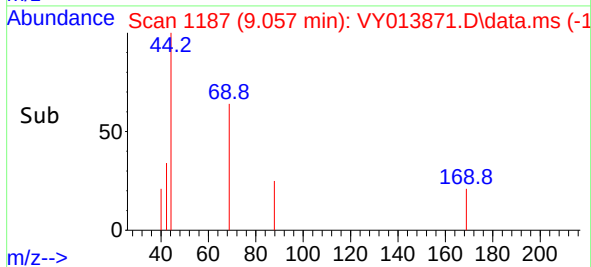
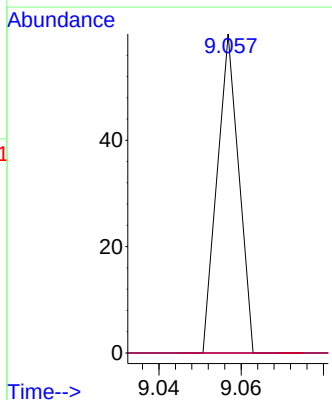
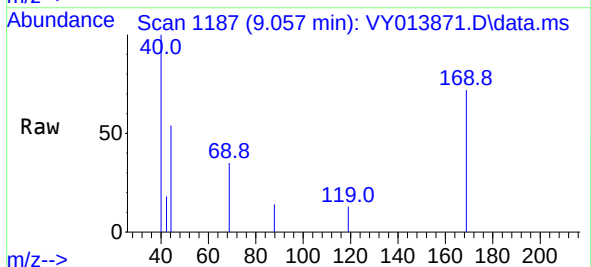


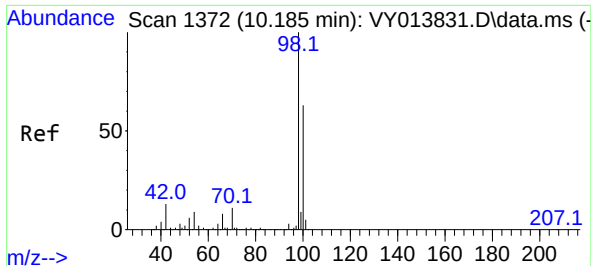
Tgt Ion:117 Resp: 15928
Ion Ratio Lower Upper
117 100
119 6.2 75.6 113.4#
121 0.0 24.8 37.2#



#49
1,4-Dioxane
Concen: 1.601 ug/l
RT: 9.057 min Scan# 1187
Delta R.T. -0.256 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Tgt Ion: 88 Resp: 22
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 59.0 88.6#

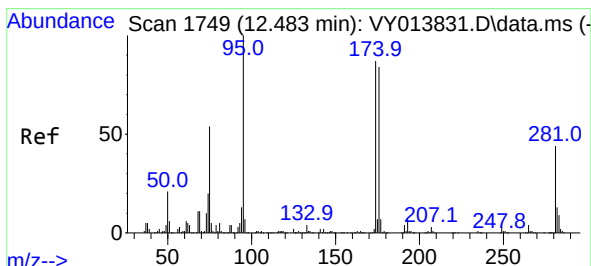
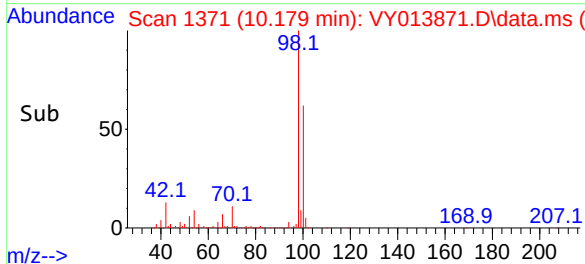
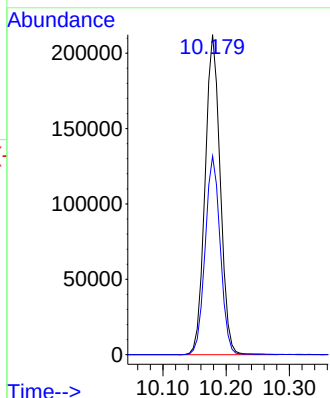
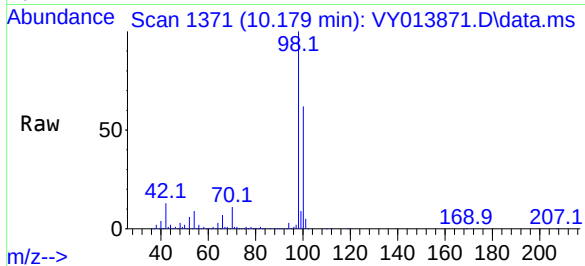




#50
Toluene-d8
Concen: 51.067 ug/l
RT: 10.179 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

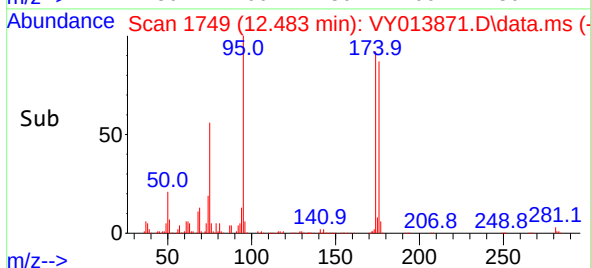
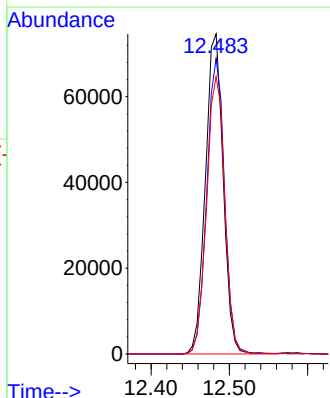
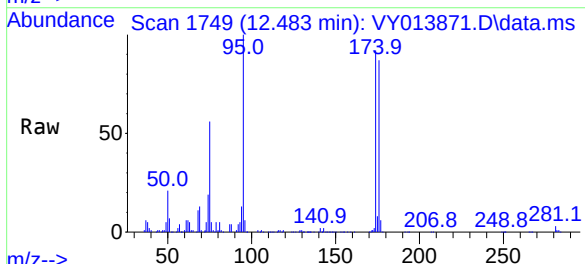
Instrument :
MSVOA_Y
ClientSampleId :
TP20

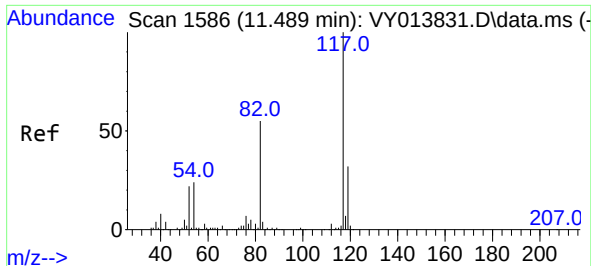
Tgt Ion: 98 Resp: 353679
Ion Ratio Lower Upper
98 100
100 61.8 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 51.109 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Tgt Ion: 95 Resp: 117660
Ion Ratio Lower Upper
95 100
174 92.1 0.0 176.0
176 88.5 0.0 170.2

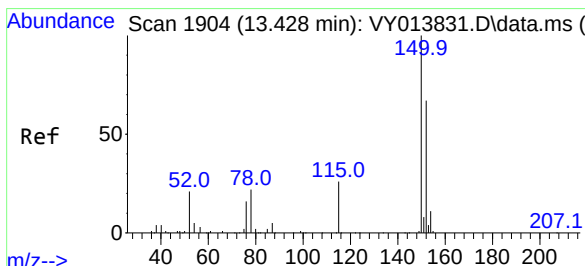
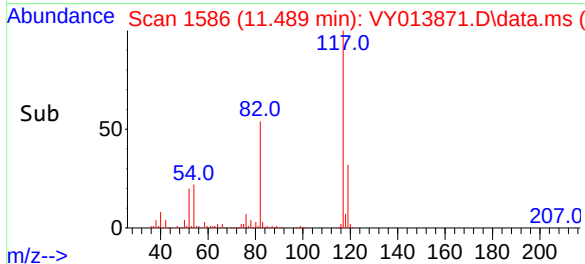
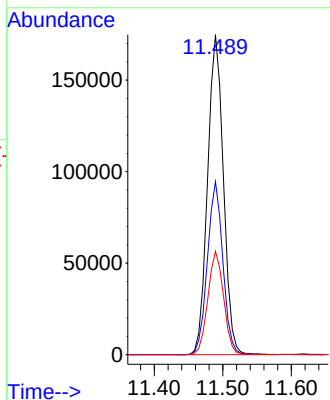
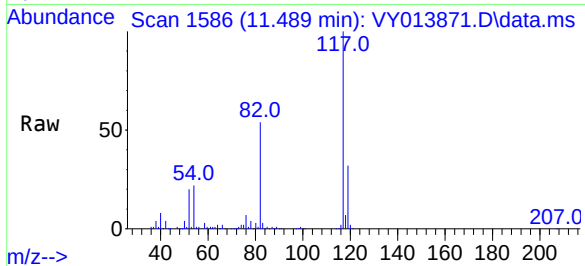




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

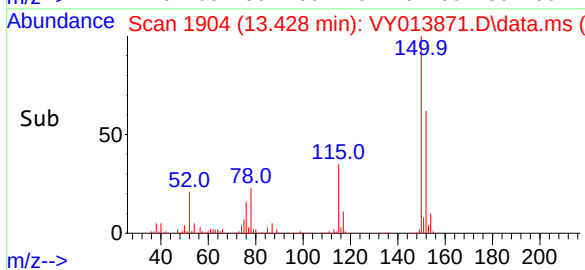
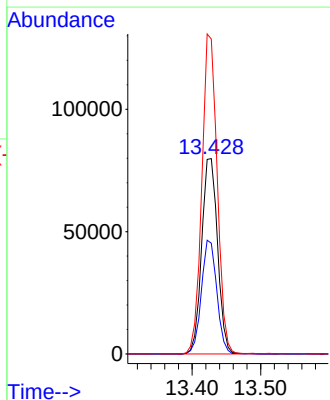
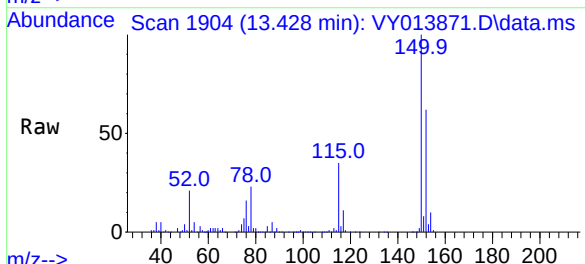
Instrument :
MSVOA_Y
ClientSampleId :
TP20

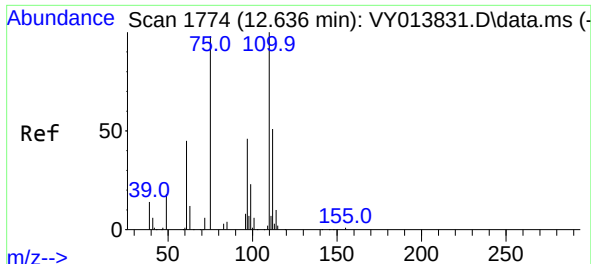
Tgt Ion:117 Resp: 281341
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.4
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Tgt Ion:152 Resp: 129208
Ion Ratio Lower Upper
152 100
115 56.4 28.8 86.5
150 157.8 0.0 353.4

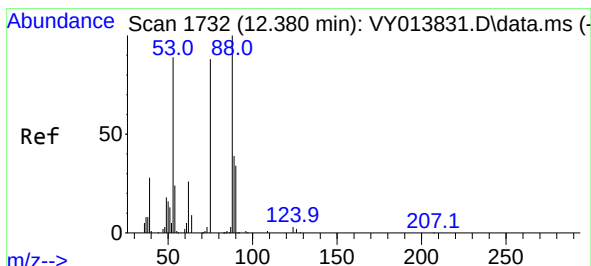
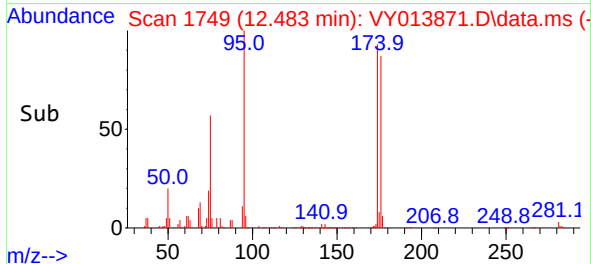
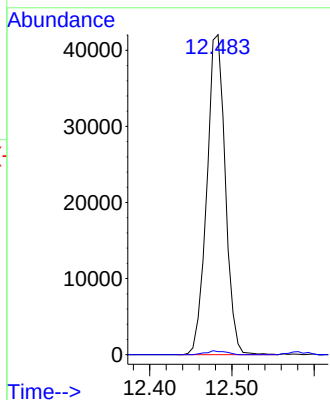
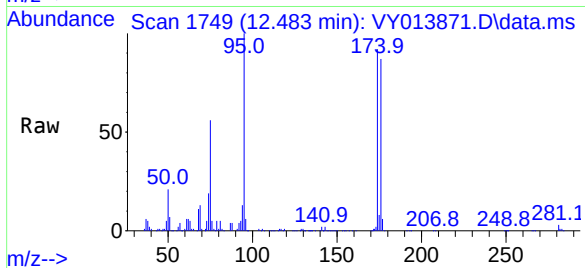




#76
1,2,3-Trichloropropane
Concen: 43.024 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

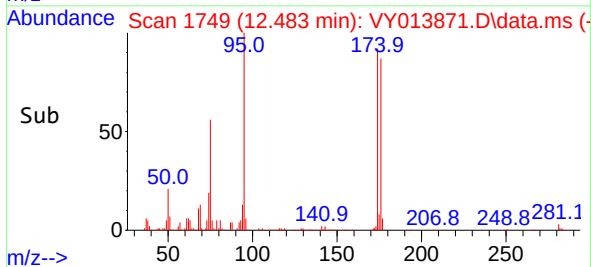
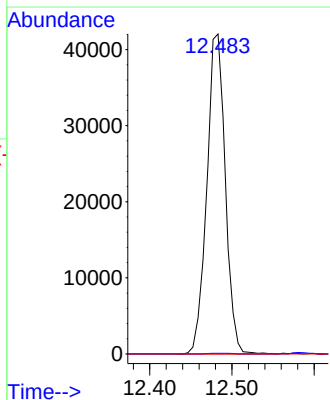
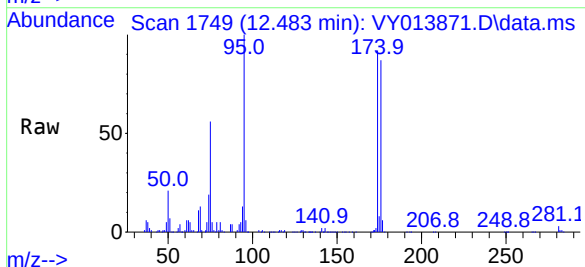
Instrument :
MSVOA_Y
ClientSampleId :
TP20

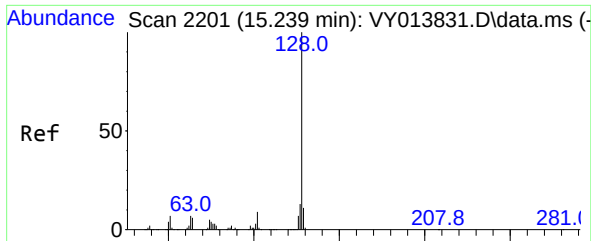
Tgt Ion: 75 Resp: 65548
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.391 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

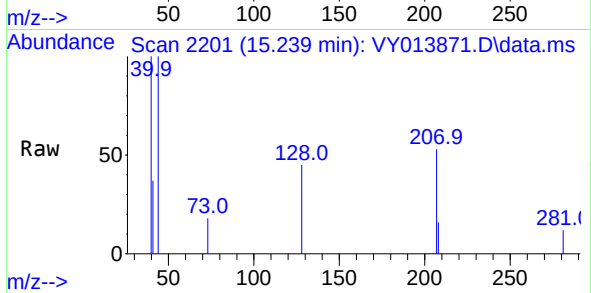
Tgt Ion: 75 Resp: 65548
Ion Ratio Lower Upper
75 100
53 0.3 79.7 119.5#
89 0.0 36.4 54.6#





#95
Naphthalene
Concen: 4.600 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013871.D
Acq: 25 May 2023 14:26

Instrument :
MSVOA_Y
ClientSampleId :
TP20



Tgt Ion:128 Resp: 309
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.0 13.4#

