

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008976.D
 Acq On : 22 May 2022 03:04
 Operator : KP/MD
 Sample : N2887-09
 Misc : 6.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P038-SS001-1218-01

Quant Time: May 22 04:49:04 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)

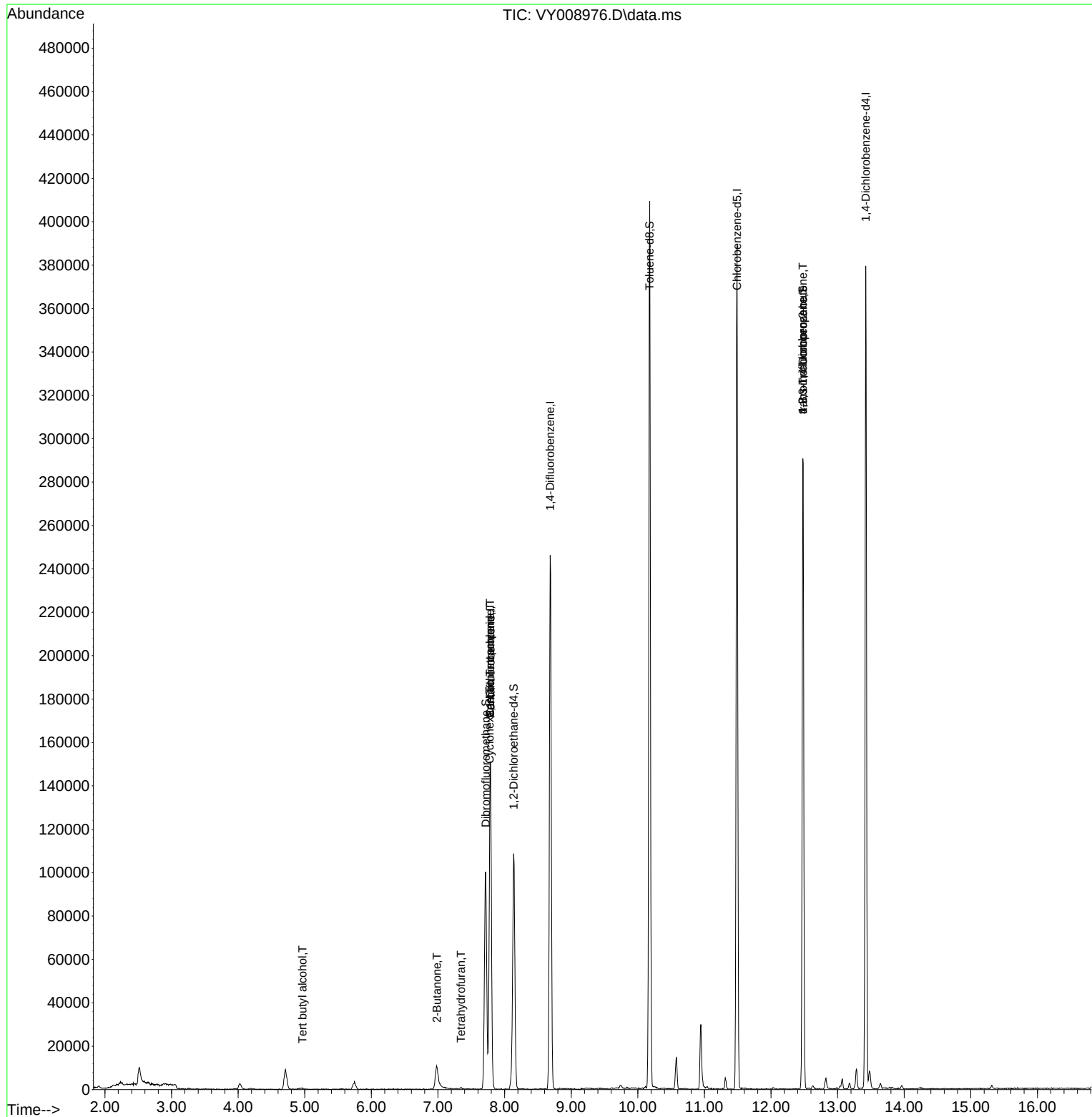
Internal Standards						
1) Pentafluorobenzene	7.789	168	116158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	208418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	200397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	88515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	78412	65.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.180%	
35) Dibromofluoromethane	7.716	113	68626	52.951	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.900%	
50) Toluene-d8	10.179	98	262357	54.872	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.740%	
62) 4-Bromofluorobenzene	12.477	95	76768	39.803	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.600%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	1240	10.226	ug/l #	77
20) Methylene Chloride	4.704	84	6376	Below Cal	#	83
25) 2-Butanone	6.984	43	593	1.334	ug/l #	54
29) Tetrahydrofuran	7.344	42	428	1.418	ug/l #	75
31) Cyclohexane	7.777	56	2895	1.238	ug/l #	47
36) 1,1-Dichloropropene	7.783	75	10345	4.690	ug/l #	50
38) Carbon Tetrachloride	7.783	117	11951	5.180	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	45086	47.432	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	45086	97.354	ug/l #	7

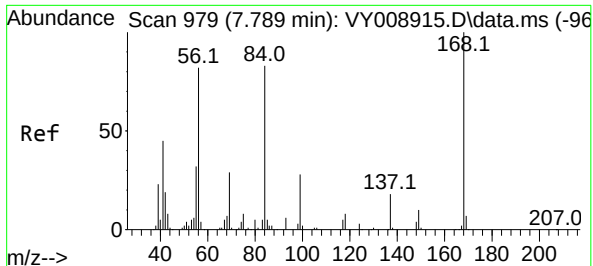
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 20 23:50:52 2022
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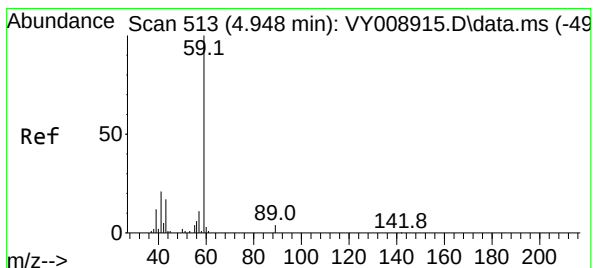
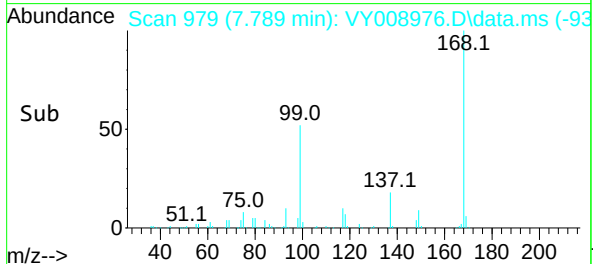
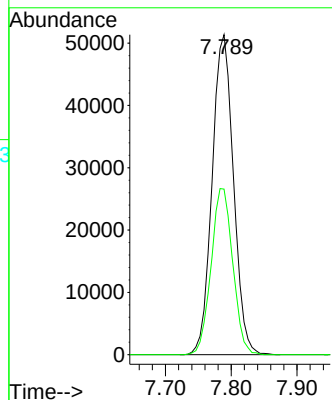
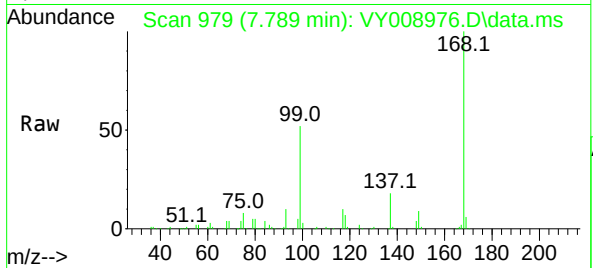




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

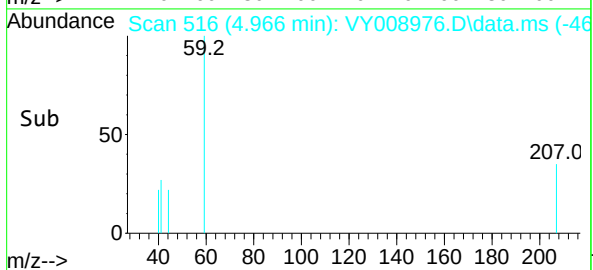
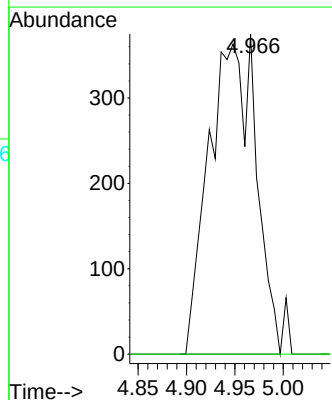
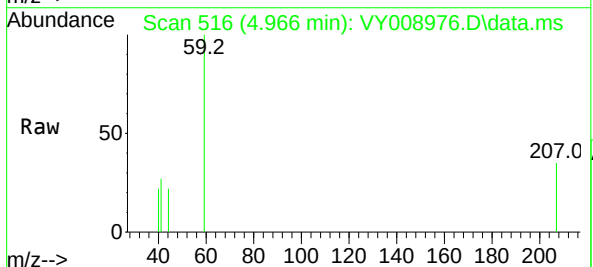
Instrument :
MSVOA_Y
ClientSampleId :
P038-SS001-1218-01

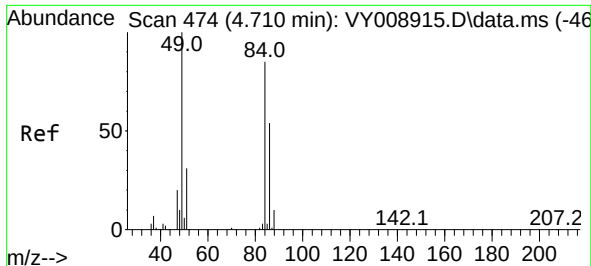
Tgt Ion:168 Resp: 116158
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 10.226 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.018 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

Tgt Ion: 59 Resp: 1240
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY008976.D

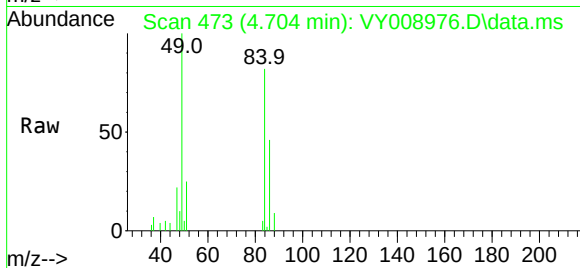
Acq: 22 May 2022 03:04

Instrument :

MSVOA_Y

ClientSampleId :

P038-SS001-1218-01



Tgt Ion: 84 Resp: 6376

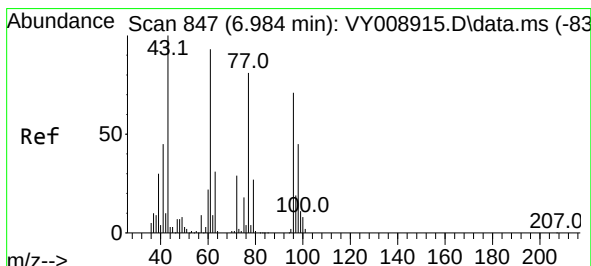
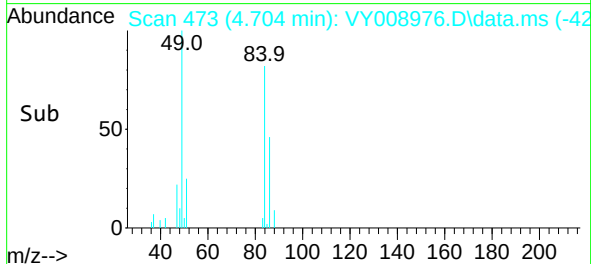
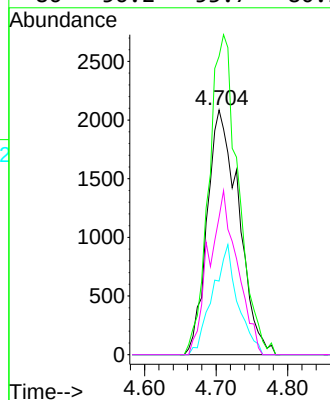
Ion Ratio Lower Upper

84 100

49 122.0 114.4 171.6

51 30.1 35.3 52.9#

86 56.2 53.7 80.5



#25

2-Butanone

Concen: 1.334 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008976.D

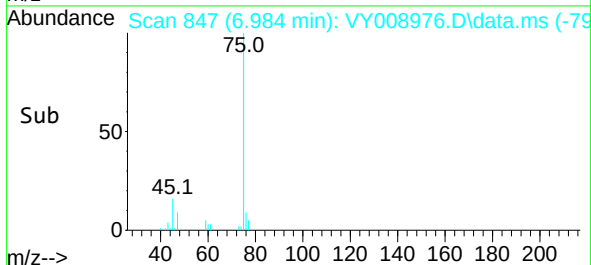
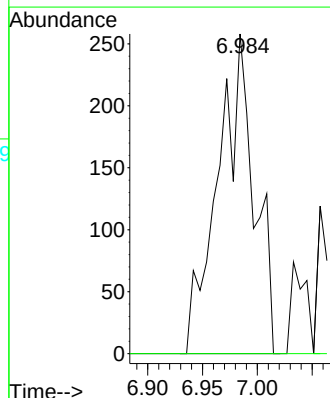
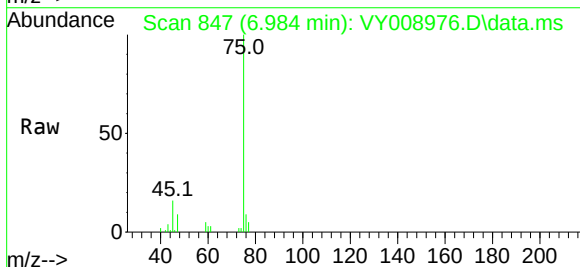
Acq: 22 May 2022 03:04

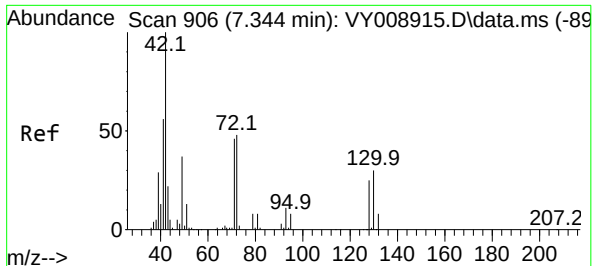
Tgt Ion: 43 Resp: 593

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#





#29

Tetrahydrofuran

Concen: 1.418 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY008976.D

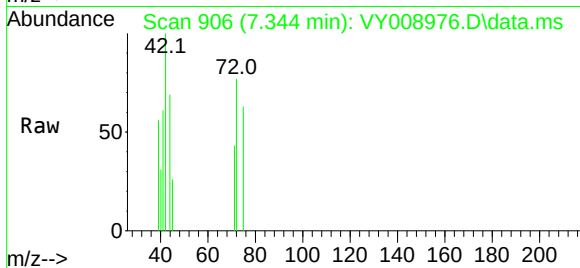
Acq: 22 May 2022 03:04

Instrument :

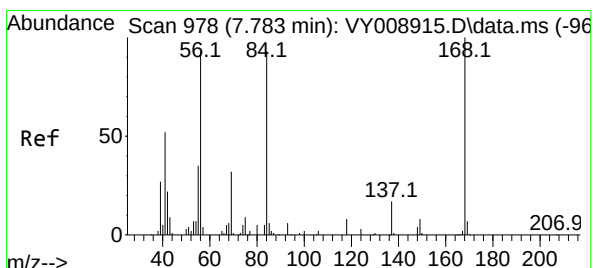
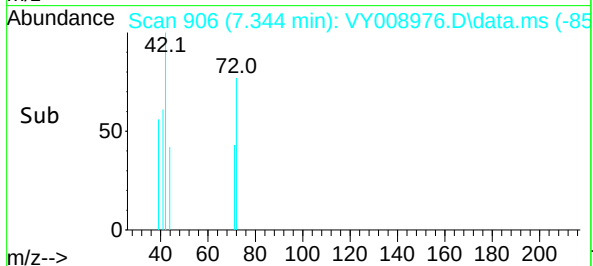
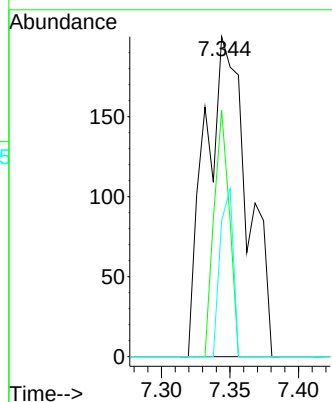
MSVOA_Y

ClientSampleId :

P038-SS001-1218-01



Tgt Ion:	42	Resp:	428
Ion	Ratio	Lower	Upper
42	100		
72	27.8	30.3	45.5#
71	16.4	29.0	43.4#



#31

Cyclohexane

Concen: 1.238 ug/l

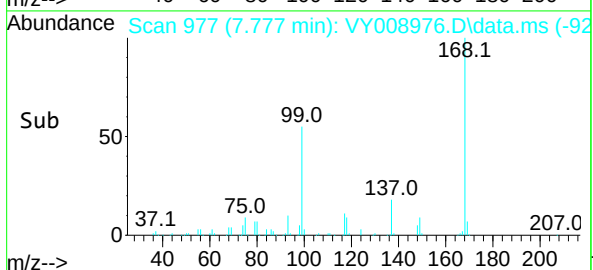
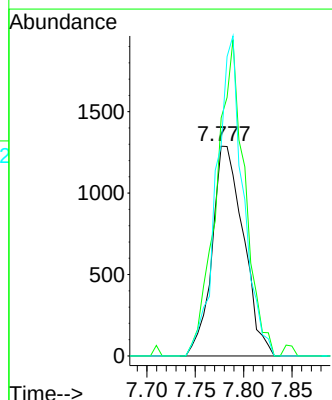
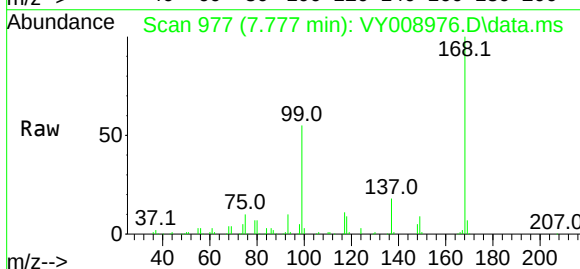
RT: 7.777 min Scan# 977

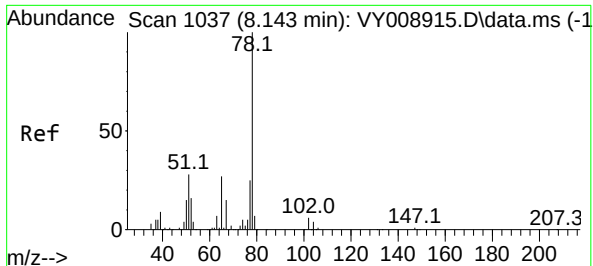
Delta R.T. -0.006 min

Lab File: VY008976.D

Acq: 22 May 2022 03:04

Tgt Ion:	56	Resp:	2895
Ion	Ratio	Lower	Upper
56	100		
69	113.5	26.7	40.1#
84	100.2	67.2	100.8





#33

1,2-Dichloroethane-d4

Concen: 65.590 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY008976.D

Acq: 22 May 2022 03:04

Instrument :

MSVOA_Y

ClientSampleId :

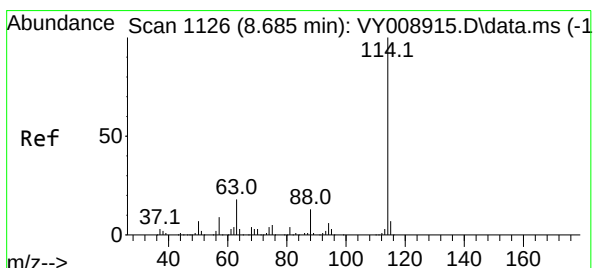
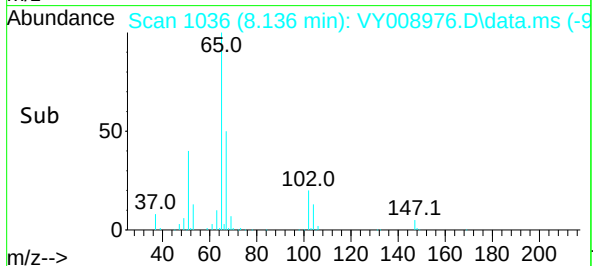
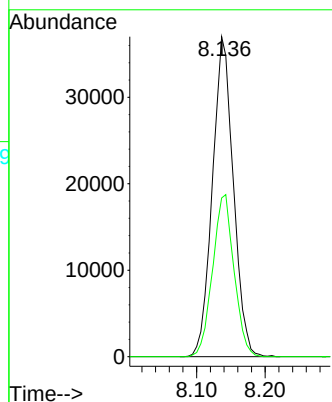
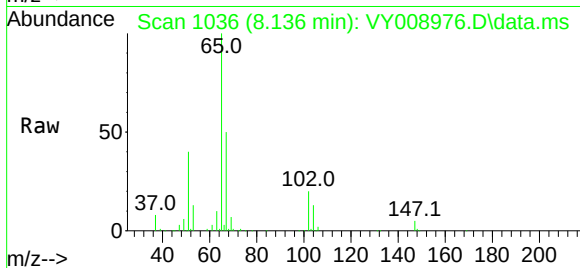
P038-SS001-1218-01

Tgt Ion: 65 Resp: 78412

Ion Ratio Lower Upper

65 100

67 51.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY008976.D

Acq: 22 May 2022 03:04

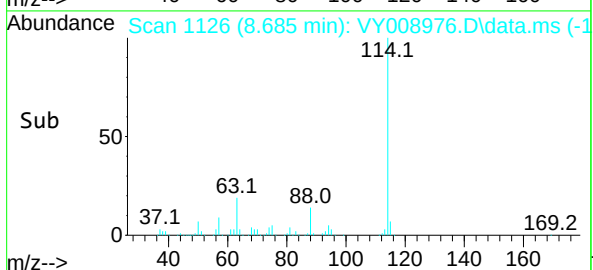
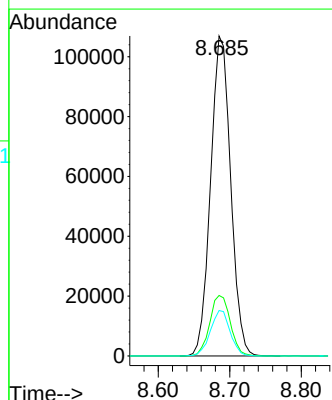
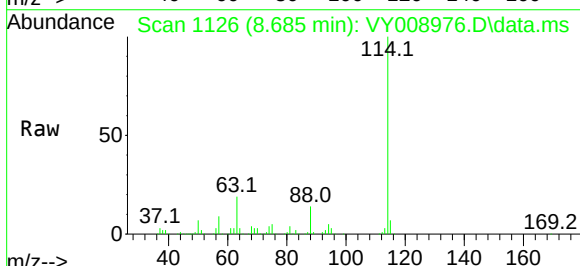
Tgt Ion: 114 Resp: 208418

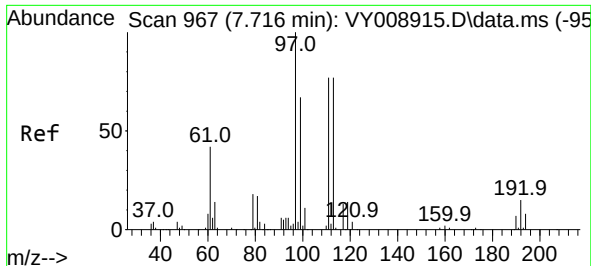
Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 14.2 0.0 31.8

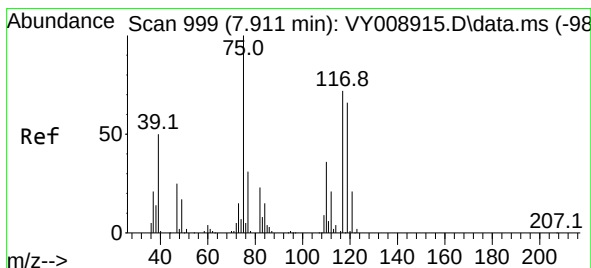
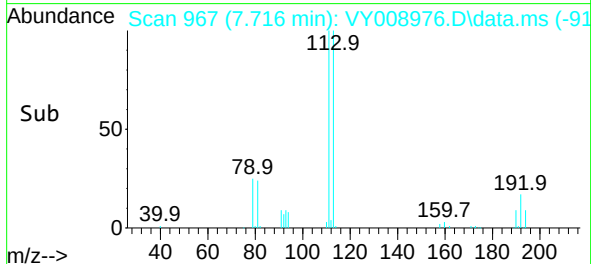
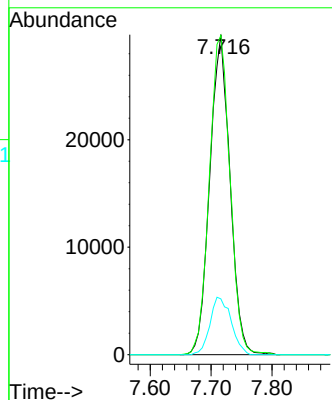
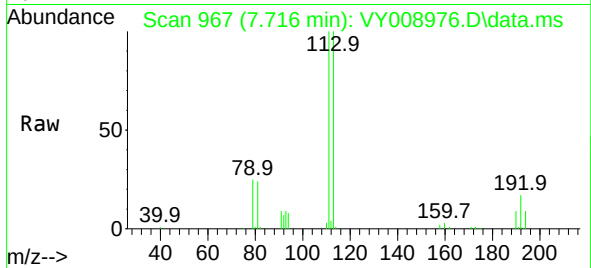




#35
Dibromofluoromethane
Concen: 52.951 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

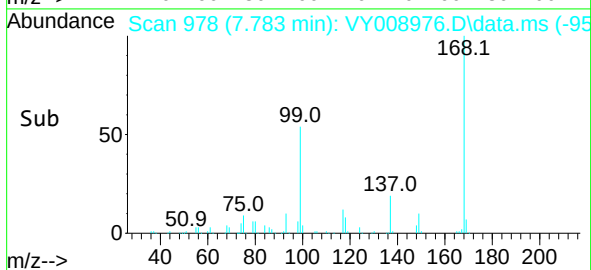
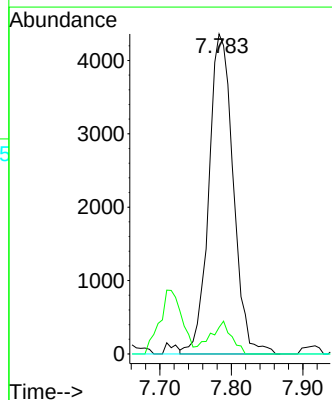
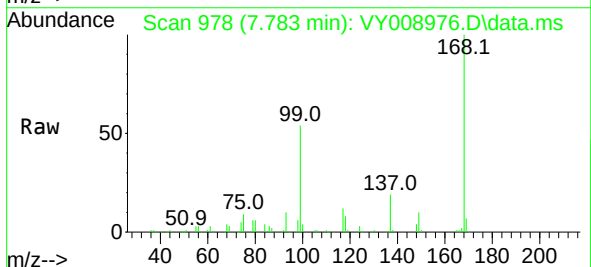
Instrument :
MSVOA_Y
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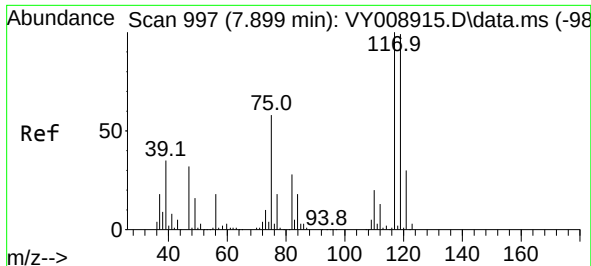
Tgt Ion:113 Resp: 68626
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 18.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.690 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

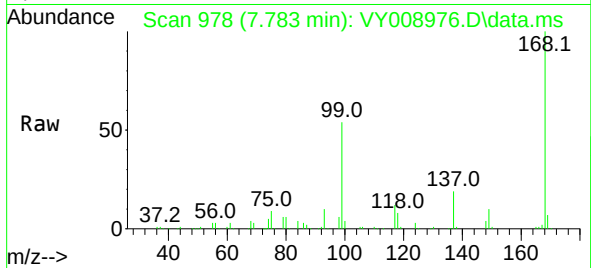
Tgt Ion: 75 Resp: 10345
Ion Ratio Lower Upper
75 100
110 8.6 17.1 51.2#
77 0.0 24.4 36.6#



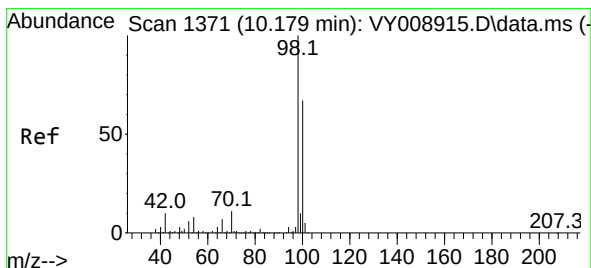
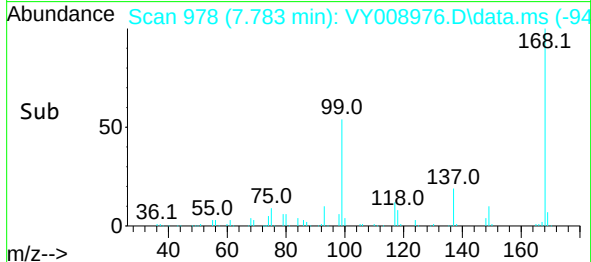
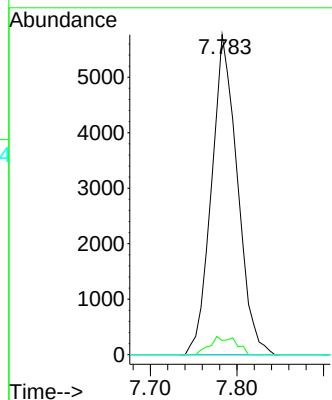


#38
Carbon Tetrachloride
Concen: 5.180 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

Instrument :
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P038-SS001-1218-01

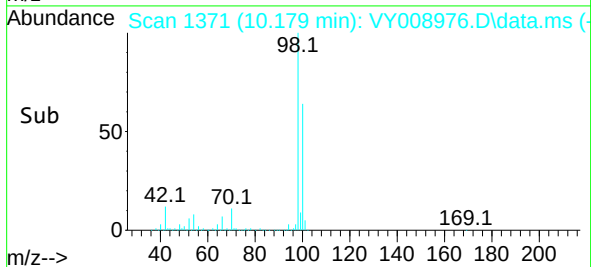
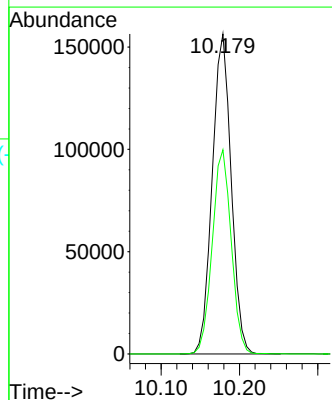
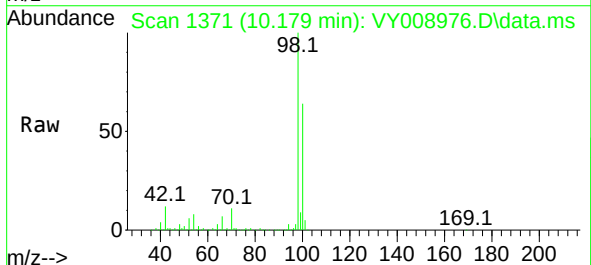


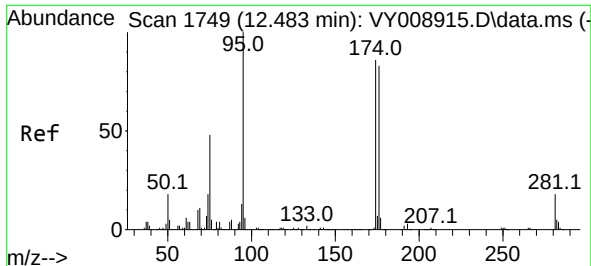
Tgt Ion:117 Resp: 11951
Ion Ratio Lower Upper
117 100
119 4.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.872 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

Tgt Ion: 98 Resp: 262357
Ion Ratio Lower Upper
98 100
100 63.8 50.2 75.2

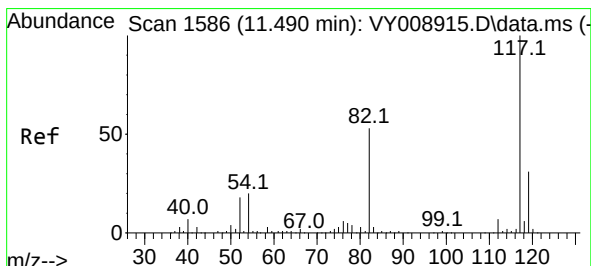
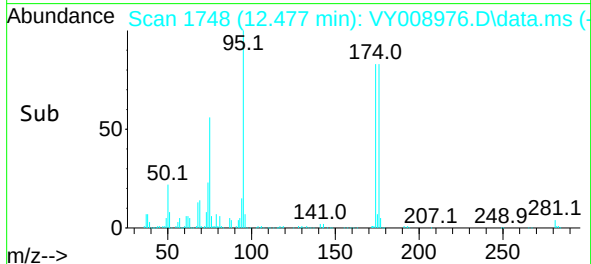
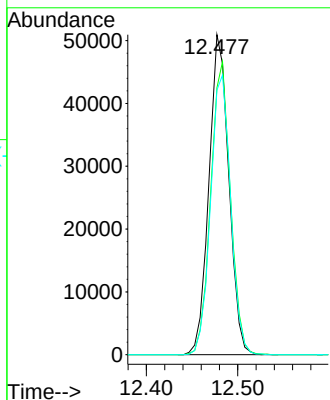
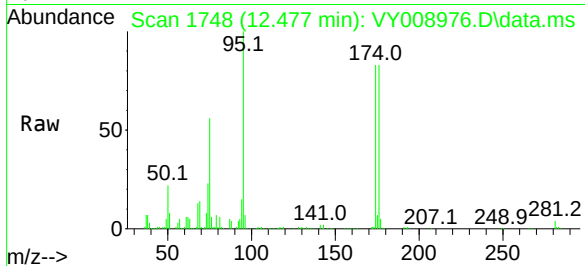




#62
4-Bromofluorobenzene
Concen: 39.803 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

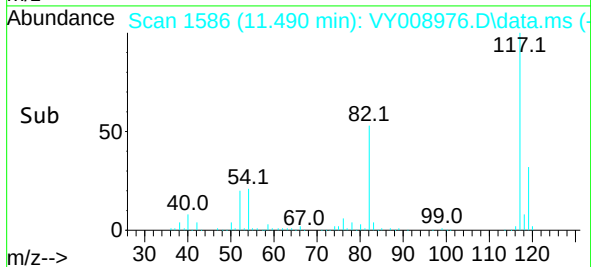
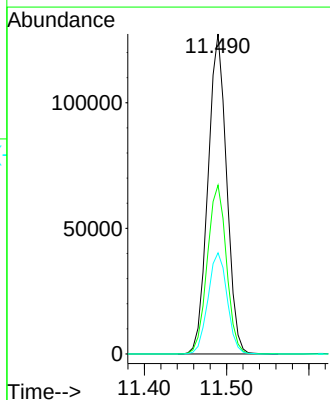
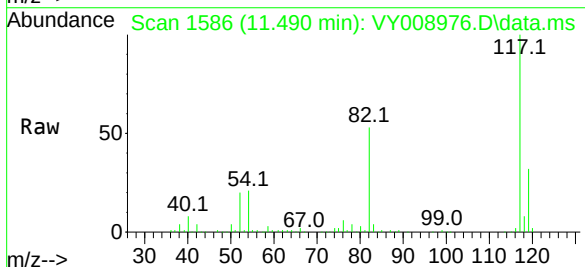
Instrument :
MSVOA_Y
ClientSampleId :
P038-SS001-1218-01

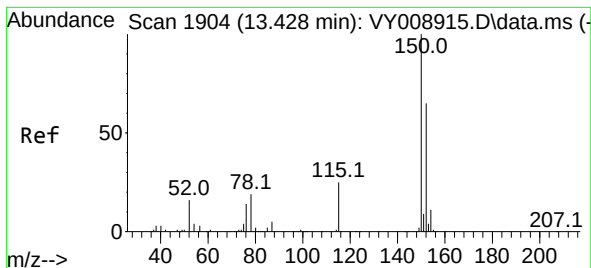
Tgt Ion: 95 Resp: 76768
Ion Ratio Lower Upper
95 100
174 91.0 0.0 177.0
176 88.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

Tgt Ion: 117 Resp: 200397
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 31.6 25.4 38.0

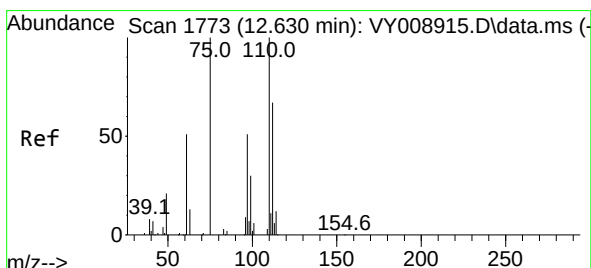
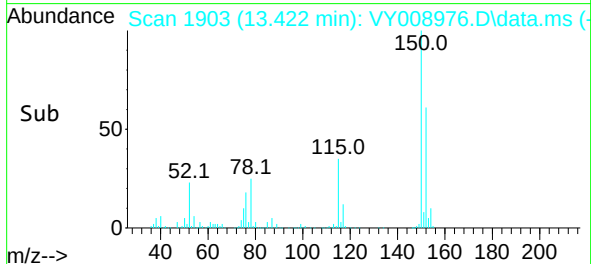
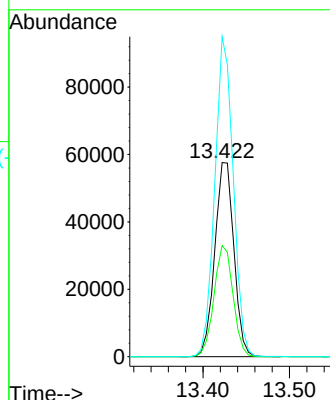
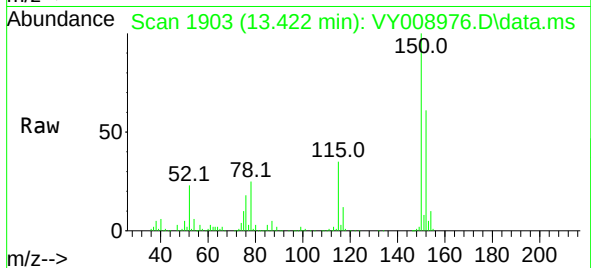




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

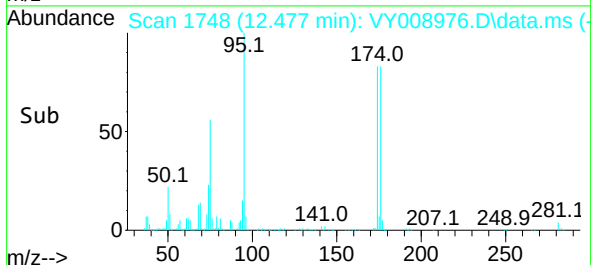
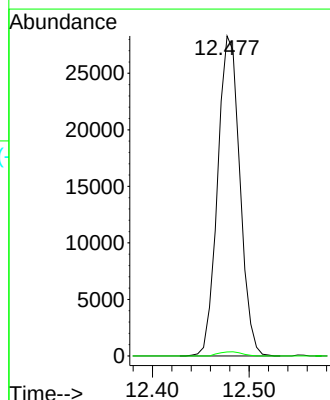
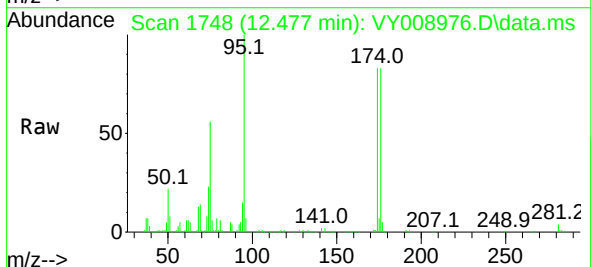
Instrument :
MSVOA_Y
ClientSampleId :
P038-SS001-1218-01

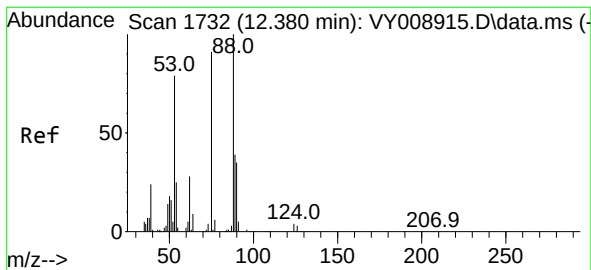
Tgt Ion:152 Resp: 88515
Ion Ratio Lower Upper
152 100
115 56.9 28.2 84.7
150 158.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.432 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY008976.D
Acq: 22 May 2022 03:04

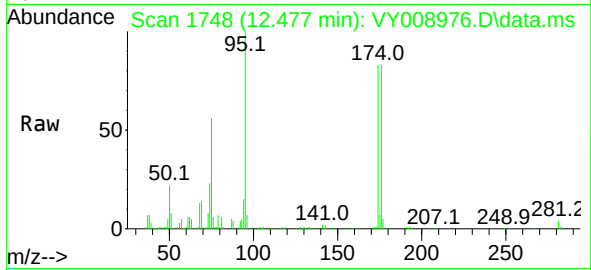
Tgt Ion: 75 Resp: 45086
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.354 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY008976.D
 Acq: 22 May 2022 03:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 P038-SS001-1218-01



Tgt Ion: 75 Resp: 45086
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

