

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052122\
 Data File : VY008948.D
 Acq On : 21 May 2022 14:40
 Operator : KP/MD
 Sample : N2919-13
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P013-SS002-2430-01

Quant Time: May 21 21:29:50 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)

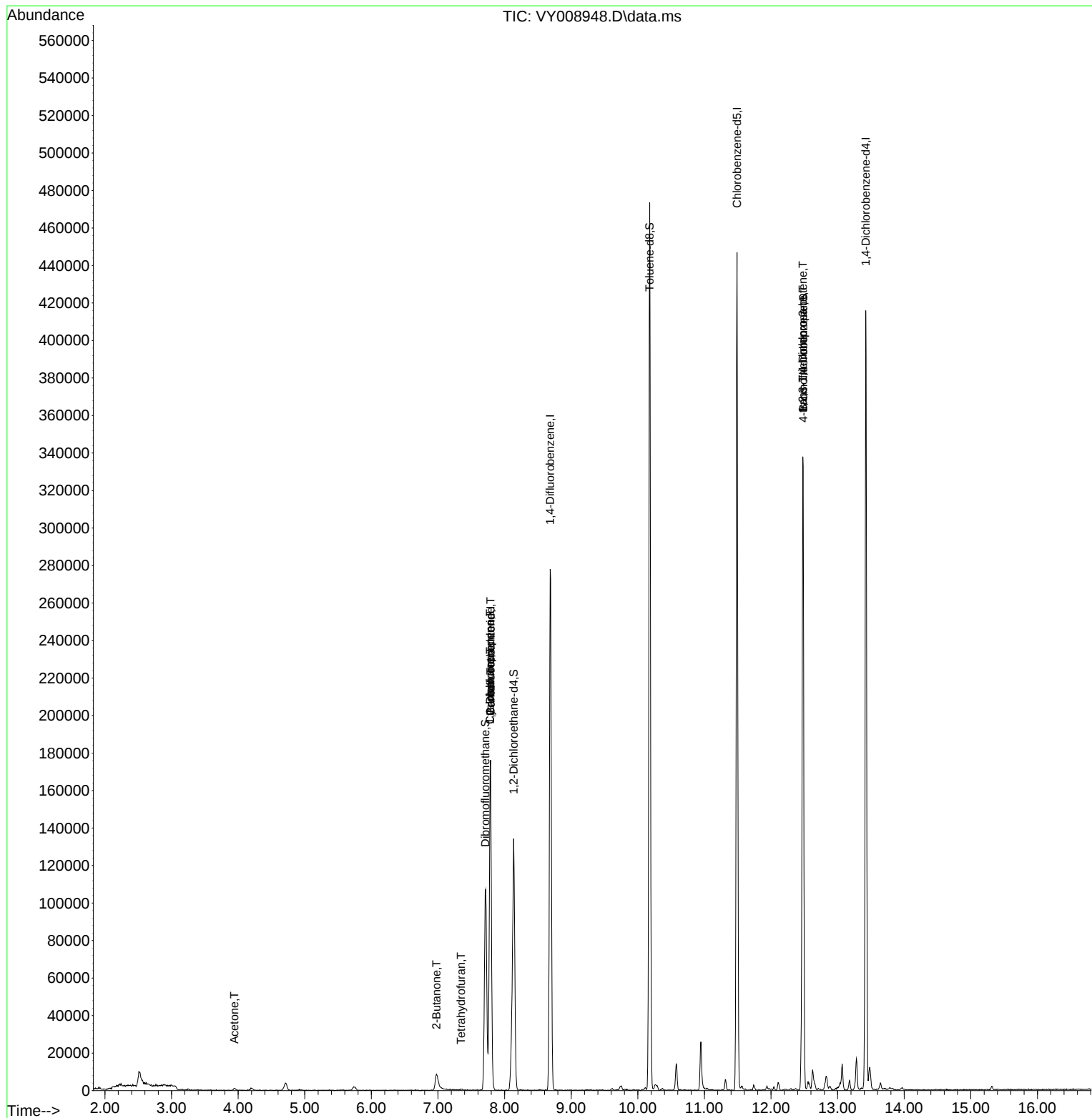
Internal Standards						
1) Pentafluorobenzene	7.789	168	130583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	236921	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	223209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	82158	61.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.260%
35) Dibromofluoromethane	7.710	113	76304	51.792	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.580%
50) Toluene-d8	10.179	98	294272	54.143	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.280%
62) 4-Bromofluorobenzene	12.483	95	89391	40.772	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.540%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	1754	6.270	ug/l #	75
20) Methylene Chloride	4.704	84	2793	Below Cal	#	69
25) 2-Butanone	6.978	43	569	1.139	ug/l #	54
29) Tetrahydrofuran	7.344	42	358	1.055	ug/l #	58
31) Cyclohexane	7.783	56	2900	1.103	ug/l #	2
36) 1,1-Dichloropropene	7.783	75	11259	4.491	ug/l #	50
38) Carbon Tetrachloride	7.789	117	12706	4.844	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	50999	47.708	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50999	97.922	ug/l #	8

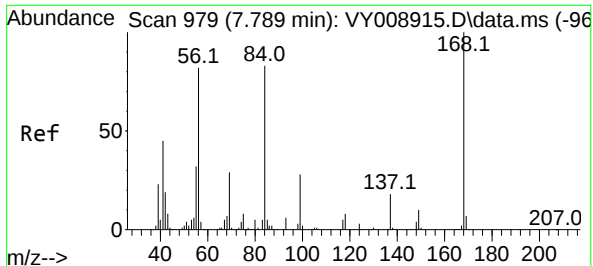
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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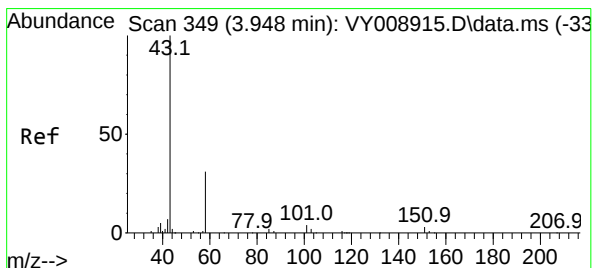
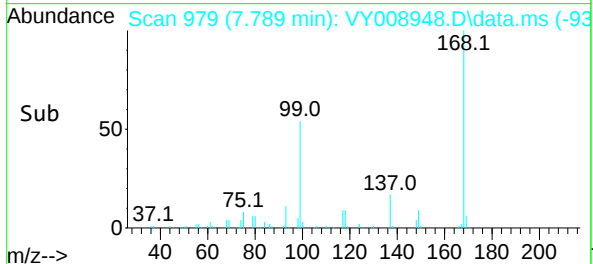
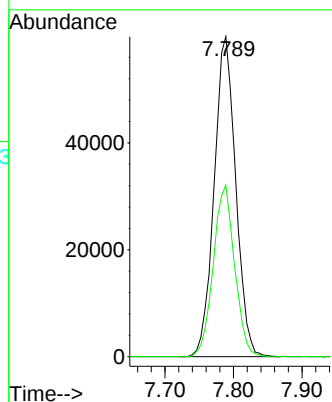
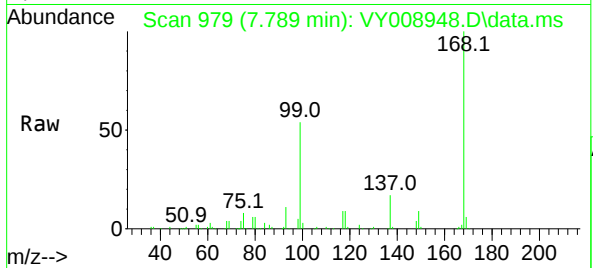




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40

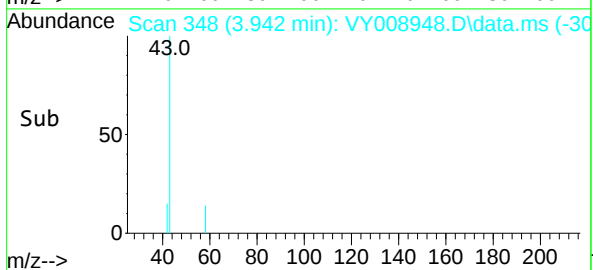
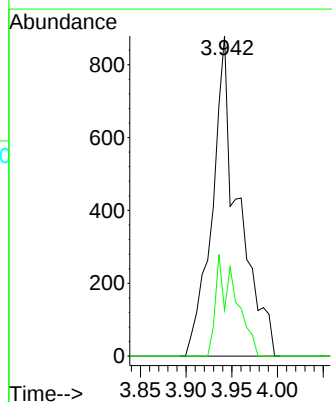
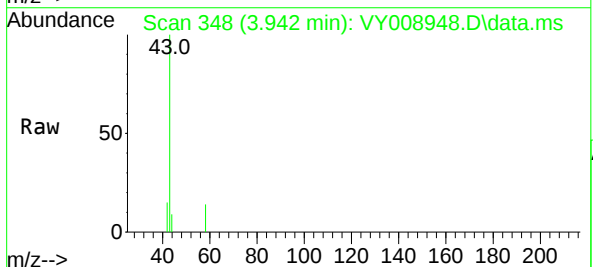
Instrument :
MSVOA_Y
ClientSampleId :
P013-SS002-2430-01

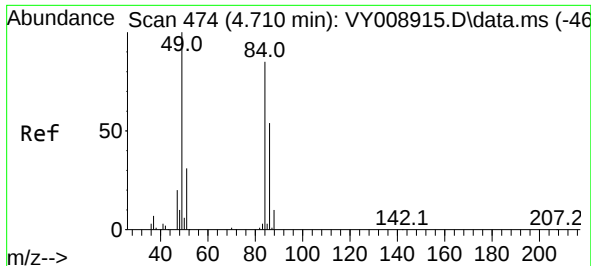
Tgt Ion:168 Resp: 130583
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#16
Acetone
Concen: 6.270 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40

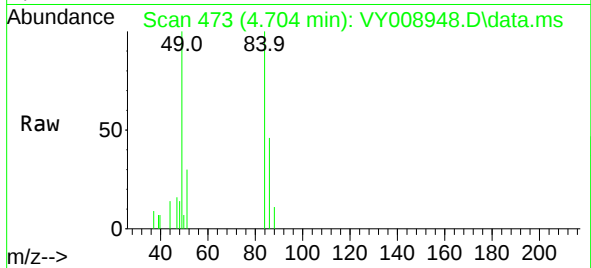
Tgt Ion: 43 Resp: 1754
Ion Ratio Lower Upper
43 100
58 14.3 22.0 33.0#





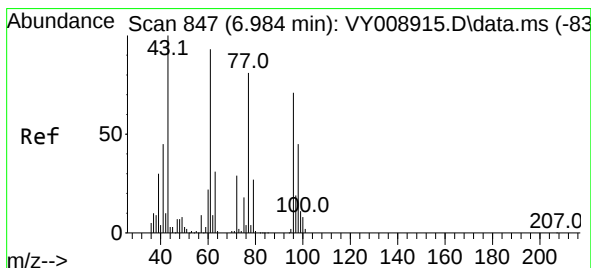
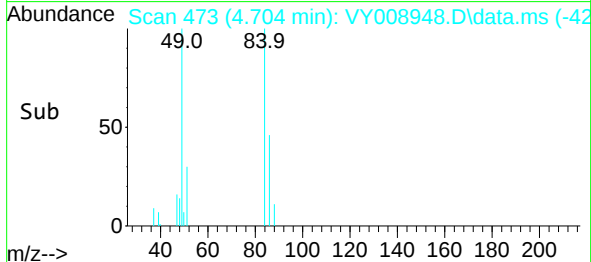
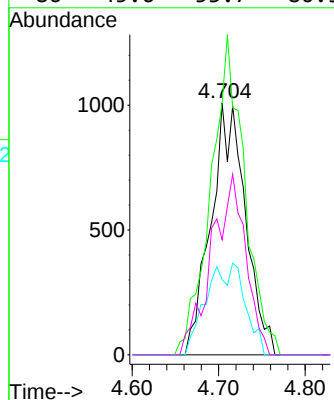
#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40

Instrument :
MSVOA_Y
ClientSampleId :
P013-SS002-2430-01



Tgt Ion: 84 Resp: 2793

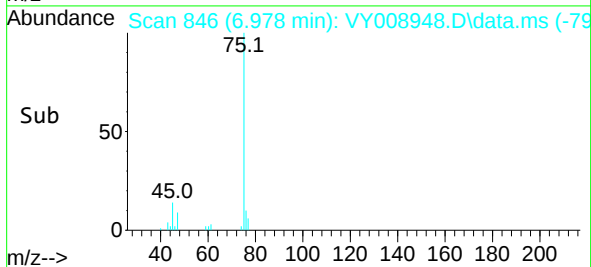
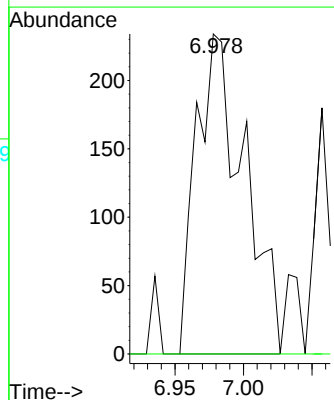
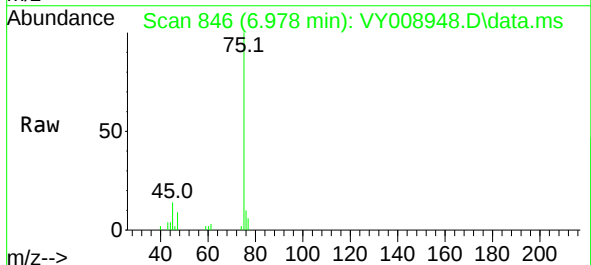
Ion	Ratio	Lower	Upper
84	100		
49	99.8	114.4	171.6#
51	29.8	35.3	52.9#
86	45.6	53.7	80.5#

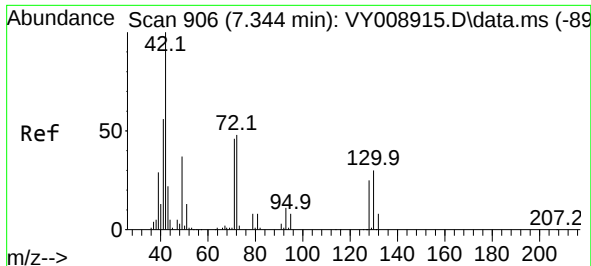


#25
2-Butanone
Concen: 1.139 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40

Tgt Ion: 43 Resp: 569

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#29

Tetrahydrofuran

Concen: 1.055 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY008948.D

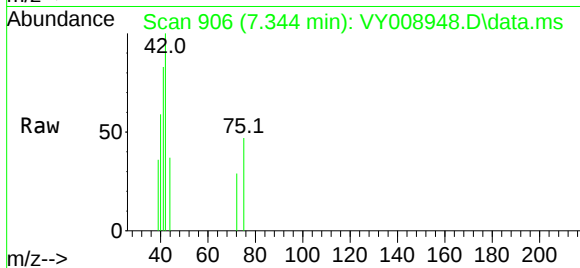
Acq: 21 May 2022 14:40

Instrument :

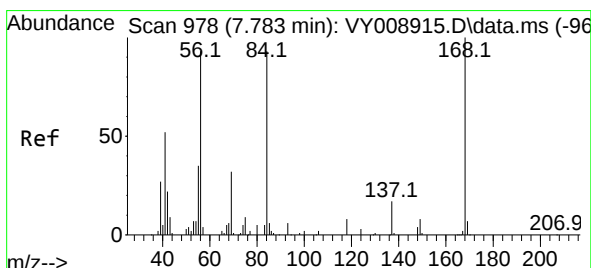
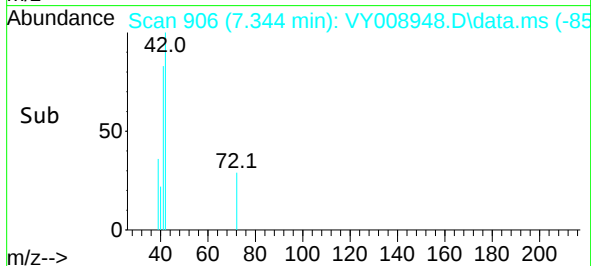
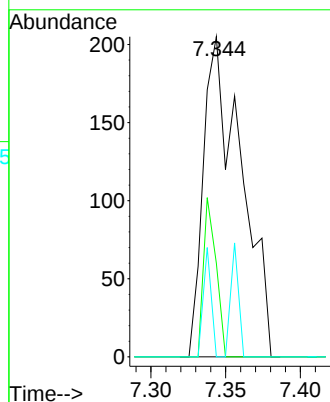
MSVOA_Y

ClientSampleId :

P013-SS002-2430-01



Tgt Ion:	42	Resp:	358
Ion	Ratio	Lower	Upper
42	100		
72	16.5	30.3	45.5#
71	7.3	29.0	43.4#



#31

Cyclohexane

Concen: 1.103 ug/l

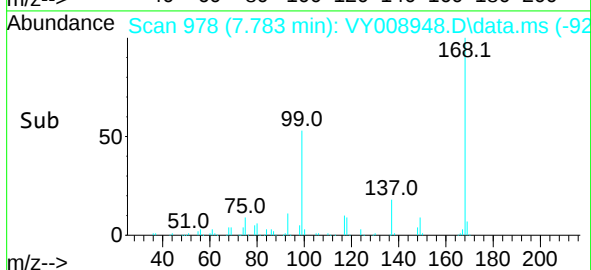
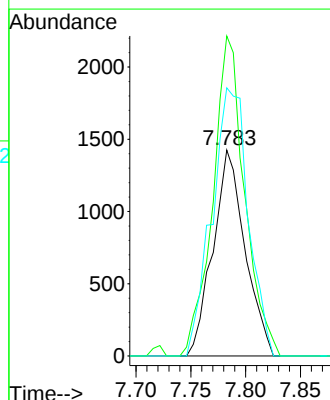
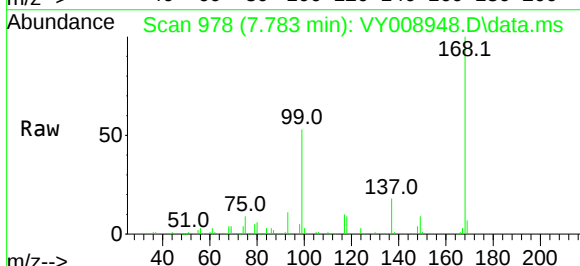
RT: 7.783 min Scan# 978

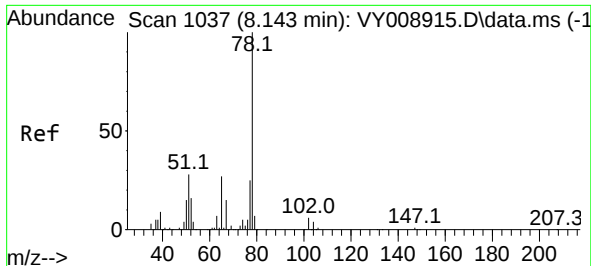
Delta R.T. -0.000 min

Lab File: VY008948.D

Acq: 21 May 2022 14:40

Tgt Ion:	56	Resp:	2900
Ion	Ratio	Lower	Upper
56	100		
69	155.4	26.7	40.1#
84	130.2	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.132 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.007 min

Lab File: VY008948.D

Acq: 21 May 2022 14:40

Instrument :

MSVOA_Y

ClientSampleId :

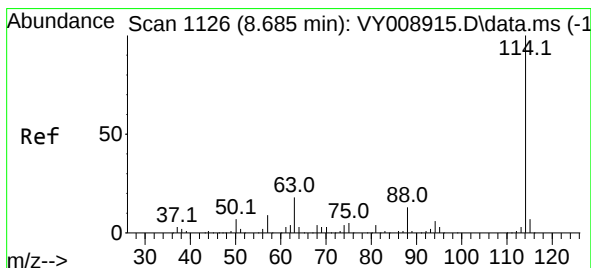
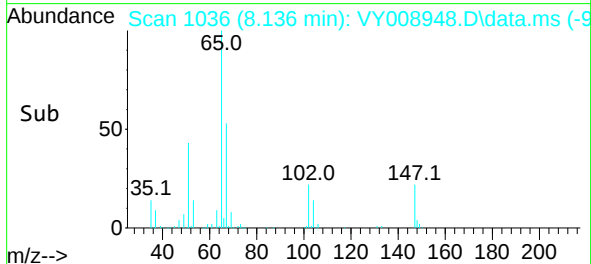
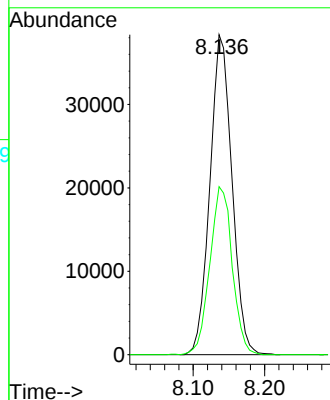
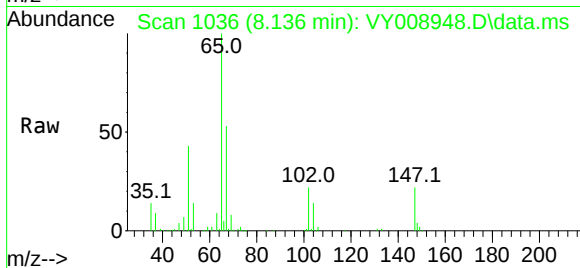
P013-SS002-2430-01

Tgt Ion: 65 Resp: 82158

Ion Ratio Lower Upper

65 100

67 53.5 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: VY008948.D

Acq: 21 May 2022 14:40

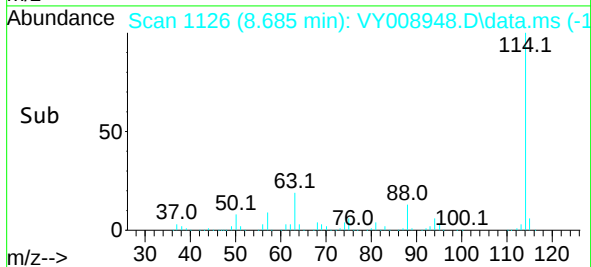
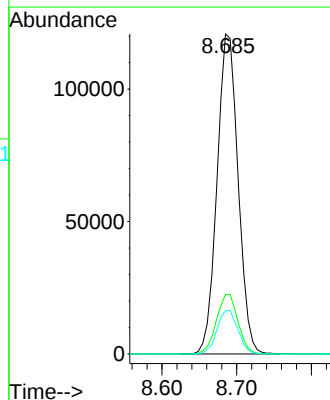
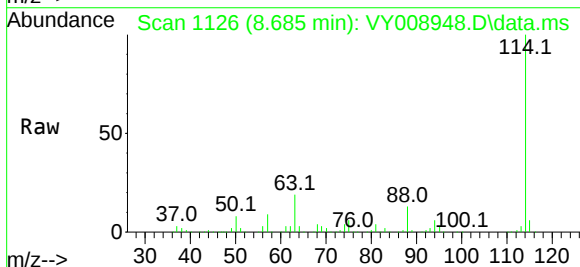
Tgt Ion: 114 Resp: 236921

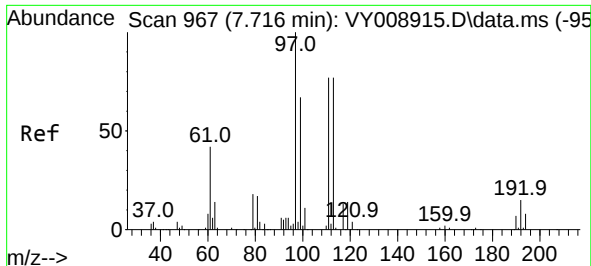
Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 13.5 0.0 31.8

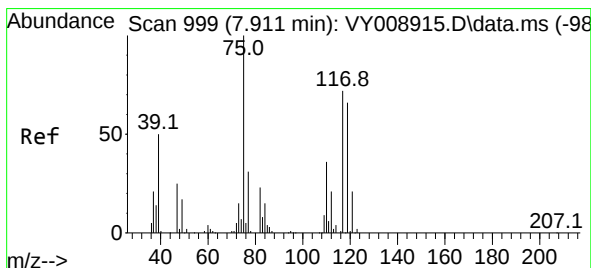
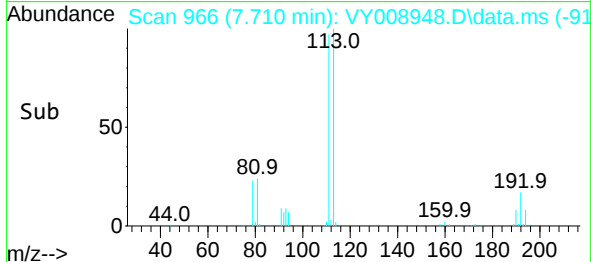
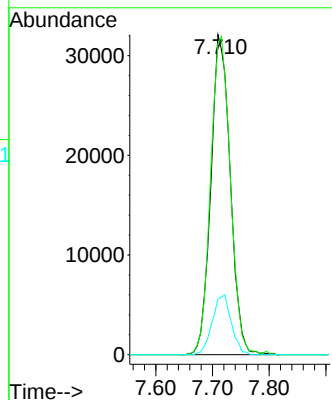
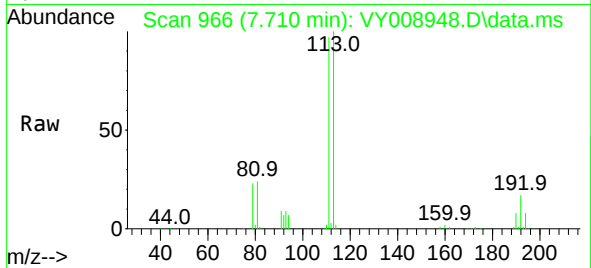




#35
Dibromofluoromethane
Concen: 51.792 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40

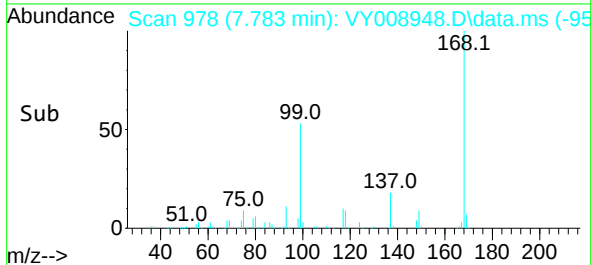
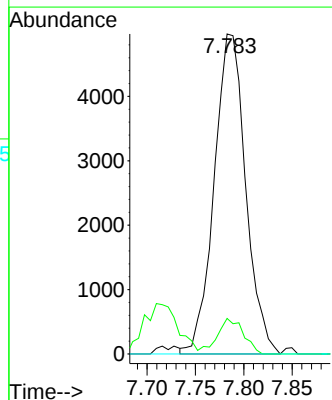
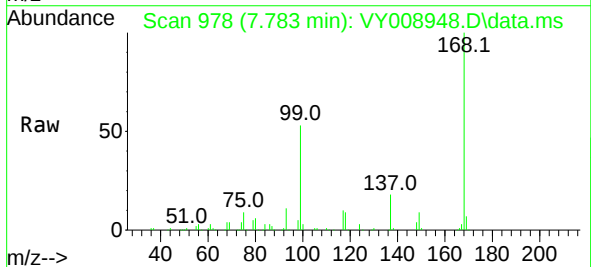
Instrument :
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ClientSampleId :
P013-SS002-2430-01

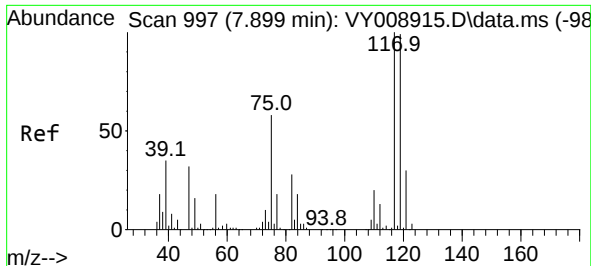
Tgt Ion:113 Resp: 76304
Ion Ratio Lower Upper
113 100
111 101.2 82.6 124.0
192 18.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.491 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40

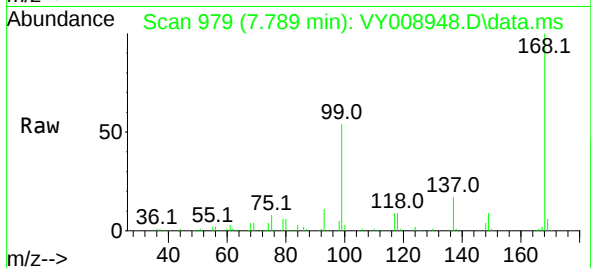
Tgt Ion: 75 Resp: 11259
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#



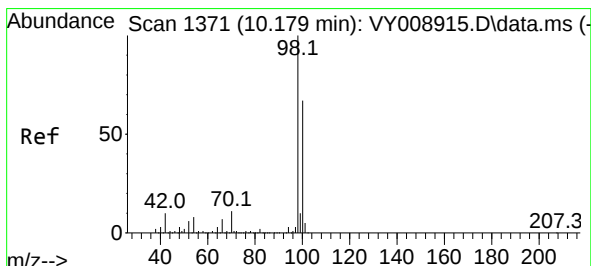
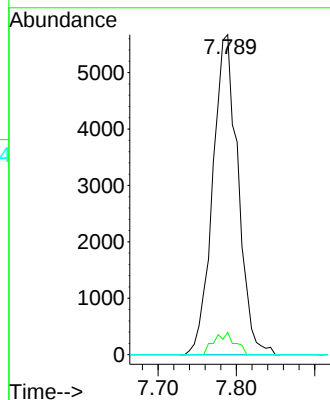
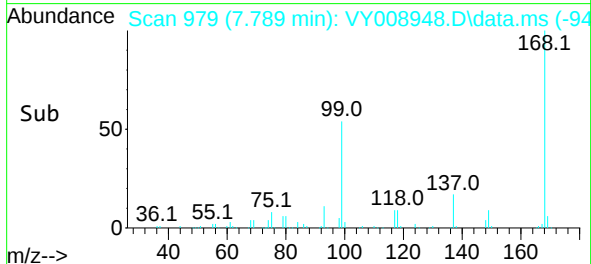


#38
Carbon Tetrachloride
Concen: 4.844 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40

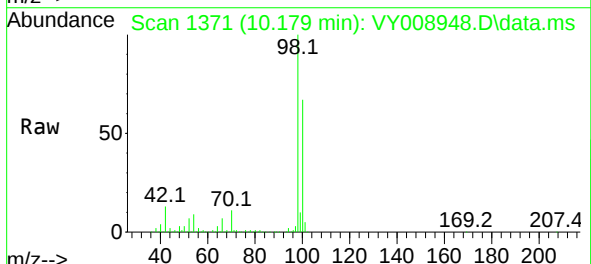
Instrument :
MSVOA_Y
ClientSampleId :
P013-SS002-2430-01



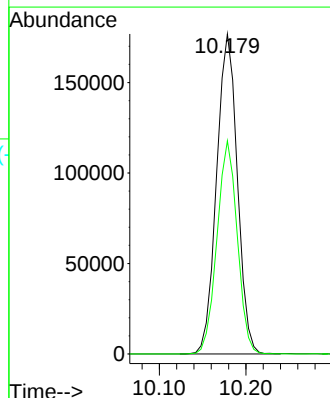
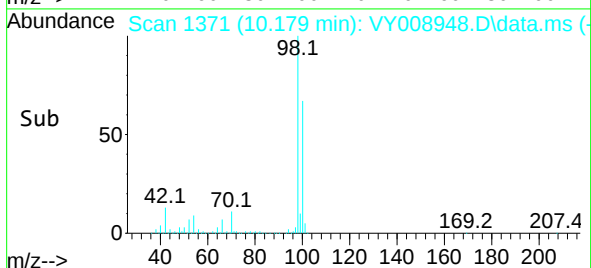
Tgt Ion:117 Resp: 12706
Ion Ratio Lower Upper
117 100
119 7.0 77.9 116.9#
121 0.0 24.8 37.2#

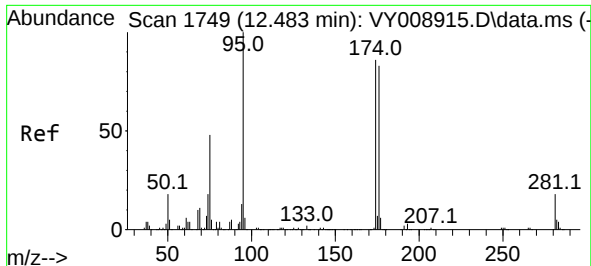


#50
Toluene-d8
Concen: 54.143 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40



Tgt Ion: 98 Resp: 294272
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

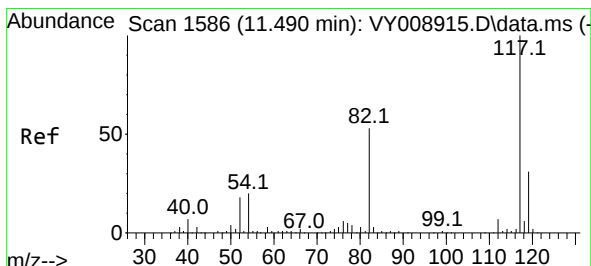
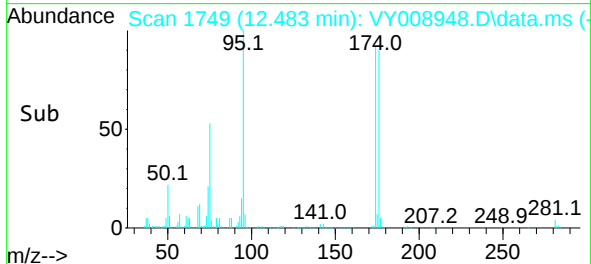
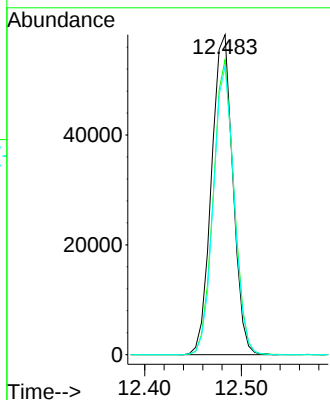
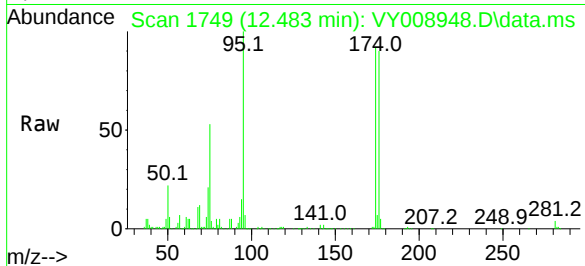




#62
4-Bromofluorobenzene
Concen: 40.772 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40

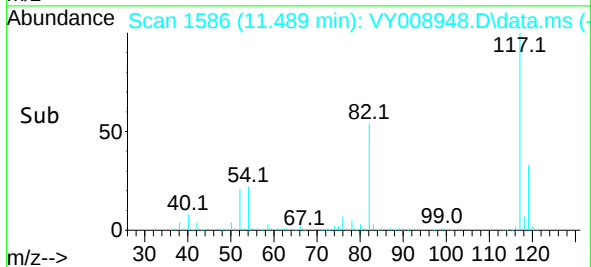
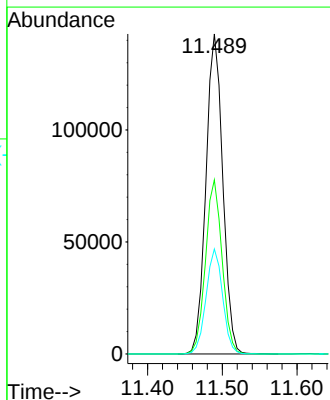
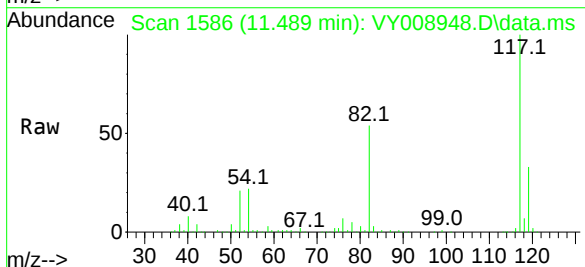
Instrument :
MSVOA_Y
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P013-SS002-2430-01

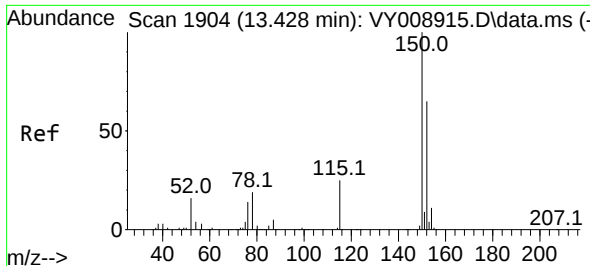
Tgt Ion: 95 Resp: 89391
Ion Ratio Lower Upper
95 100
174 89.7 0.0 177.0
176 87.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY008948.D
Acq: 21 May 2022 14:40

Tgt Ion: 117 Resp: 223209
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.4
119 32.8 25.4 38.0

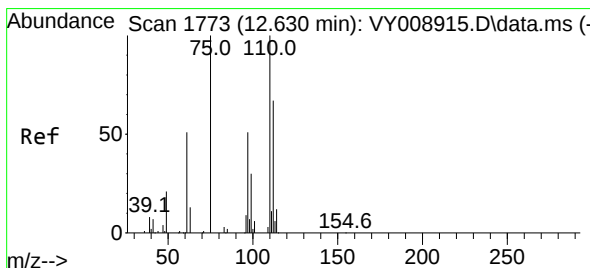
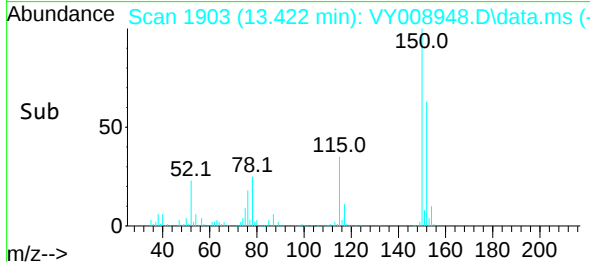
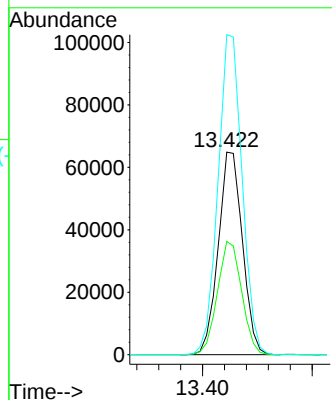
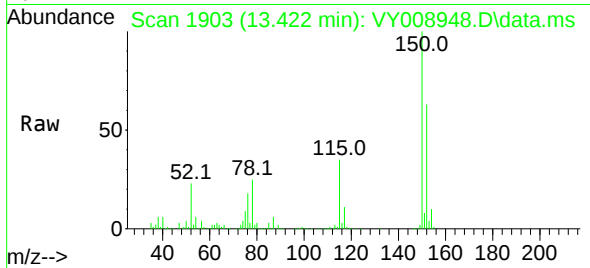




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY008948.D
 Acq: 21 May 2022 14:40

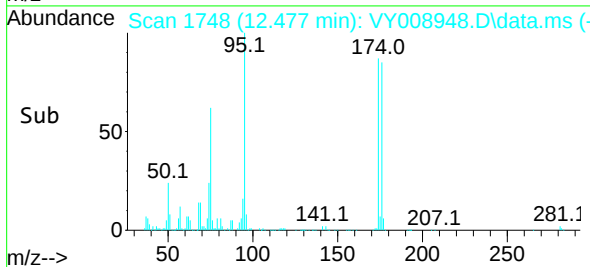
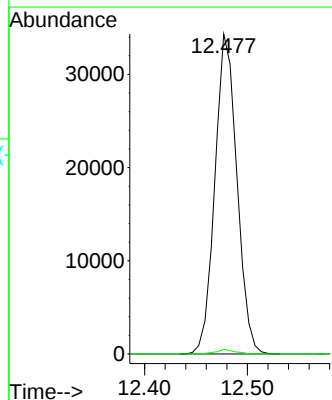
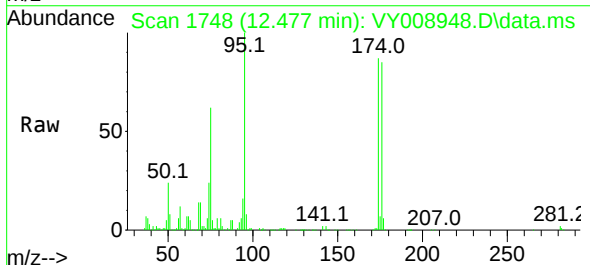
Instrument :
 MSVOA_Y
 ClientSampleId :
 P013-SS002-2430-01

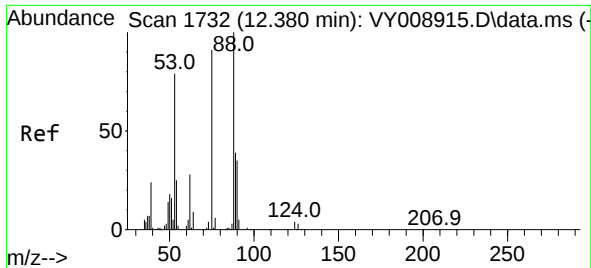
Tgt Ion:152 Resp: 99543
 Ion Ratio Lower Upper
 152 100
 115 56.0 28.2 84.7
 150 157.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 47.708 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY008948.D
 Acq: 21 May 2022 14:40

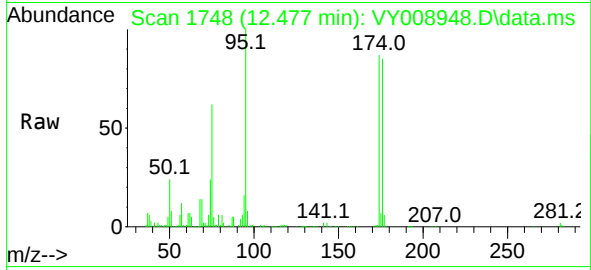
Tgt Ion: 75 Resp: 50999
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.922 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY008948.D
 Acq: 21 May 2022 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 P013-SS002-2430-01



Tgt Ion:	75	Resp:	50999
Ion	Ratio	Lower	Upper
75	100		
53	1.5	85.3	127.9#
89	0.0	37.0	55.4#

