

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051523\
 Data File : VY013731.D
 Acq On : 15 May 2023 12:56
 Operator : KP/MD
 Sample : 02723-02
 Misc : 5.74g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-14-G1-SO-14-050923

Quant Time: May 16 01:29:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

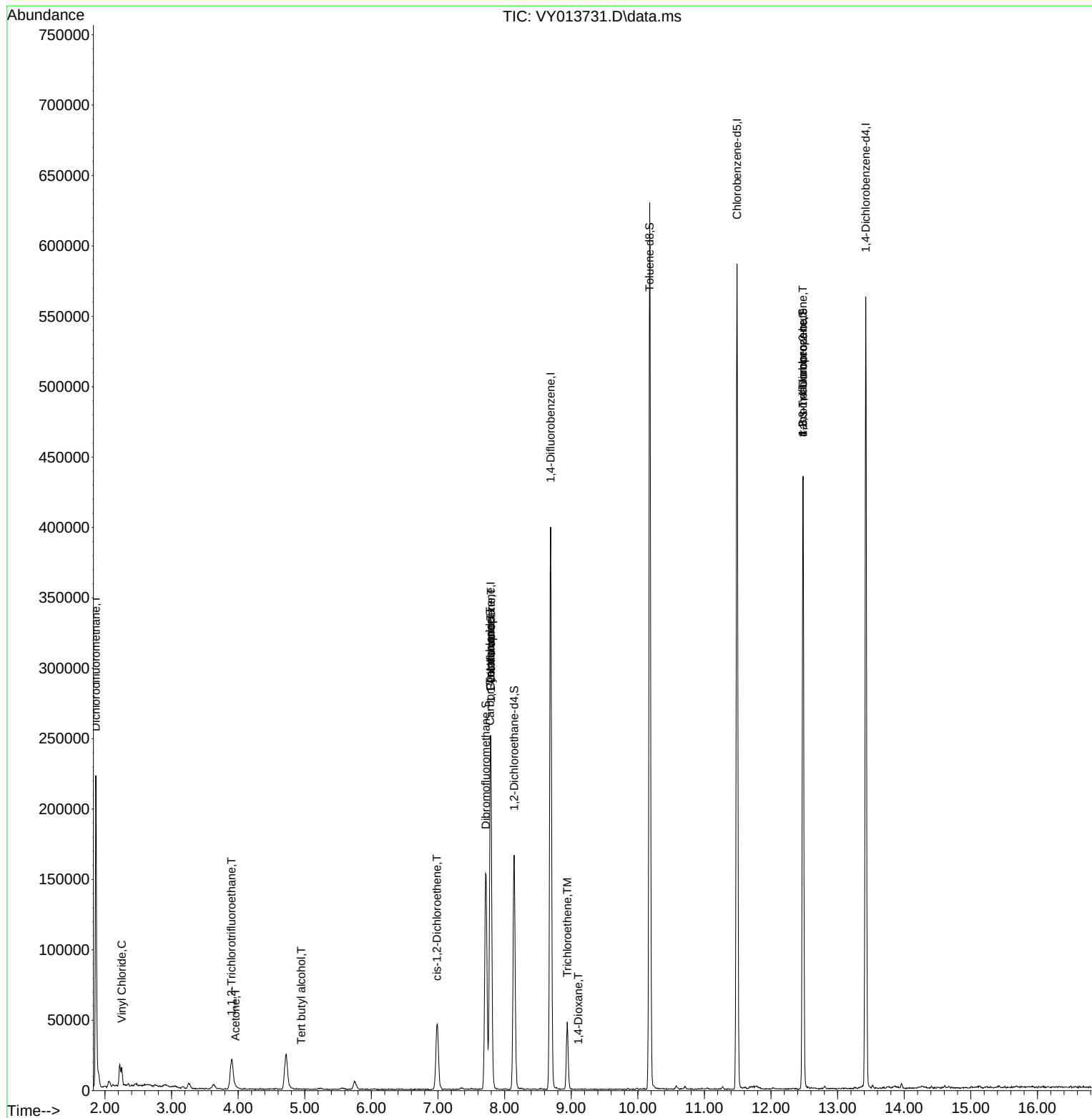
Internal Standards						
1) Pentafluorobenzene	7.789	168	196710	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	323834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	308658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137528	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	131162	60.825	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.660%	
35) Dibromofluoromethane	7.716	113	109091	53.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.120%	
50) Toluene-d8	10.179	98	396916	54.780	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.560%	
62) 4-Bromofluorobenzene	12.477	95	126816	51.917	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.840%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.863	85	15157	8.105	ug/l	93
4) Vinyl Chloride	2.253	62	5624	2.253	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.899	101	13370	6.304	ug/l	98
11) Tert butyl alcohol	4.948	59	285	1.820	ug/l #	89
13) Acrolein	3.460	56	38	Below Cal	#	16
16) Acetone	3.960	43	3682	4.336	ug/l	91
20) Methylene Chloride	4.722	84	18037	Below Cal	#	84
27) cis-1,2-Dichloroethene	6.984	96	27962	11.322	ug/l	96
31) Cyclohexane	7.789	56	4680	1.212	ug/l #	15
36) 1,1-Dichloropropene	7.795	75	15283	4.521	ug/l #	48
38) Carbon Tetrachloride	7.783	117	19301	5.448	ug/l #	15
44) Trichloroethene	8.941	130	15899	6.277	ug/l	100
49) 1,4-Dioxane	9.106	88	32	1.504	ug/l #	10
76) 1,2,3-Trichloropropane	12.477	75	67024	36.137	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	67024	73.920	ug/l #	13

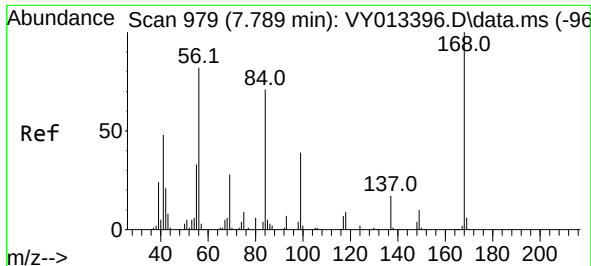
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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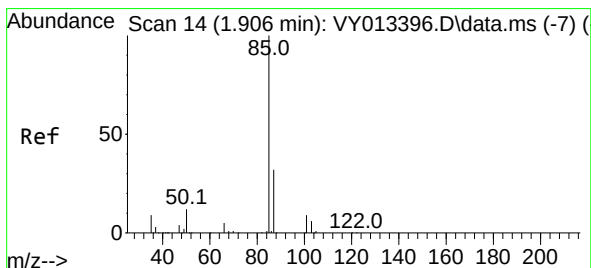
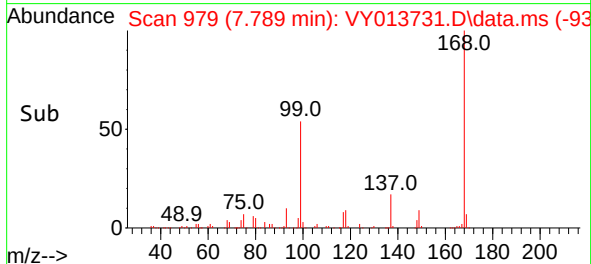
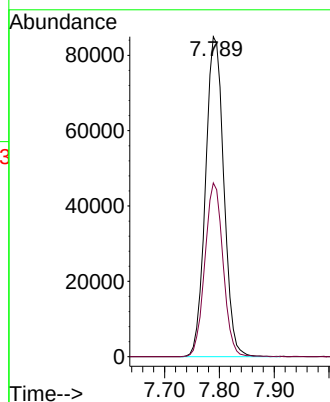
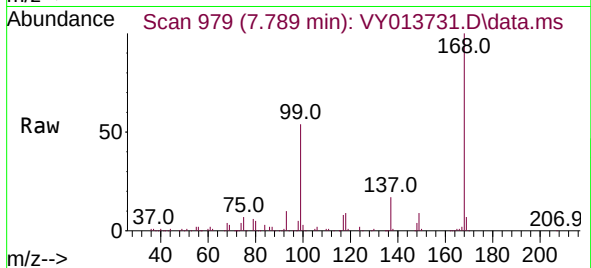




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

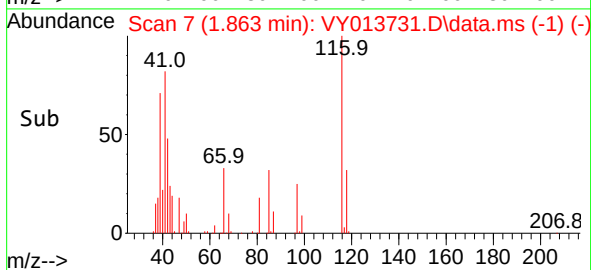
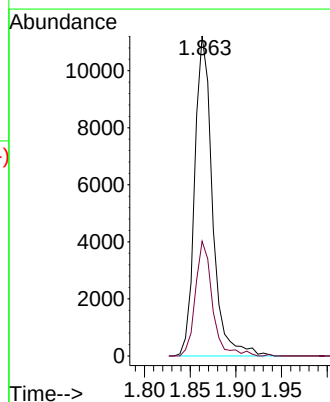
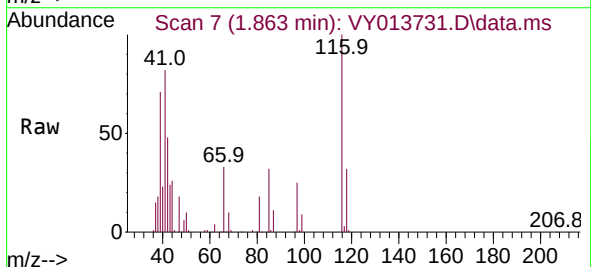
Instrument :
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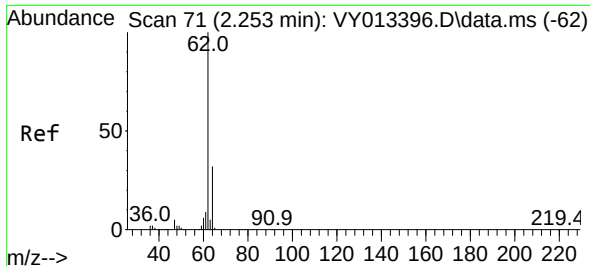
Tgt Ion:168 Resp: 196710
Ion Ratio Lower Upper
168 100
99 54.3 41.8 62.6



#2
Dichlorodifluoromethane
Concen: 8.105 ug/l
RT: 1.863 min Scan# 7
Delta R.T. -0.043 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

Tgt Ion: 85 Resp: 15157
Ion Ratio Lower Upper
85 100
87 35.8 16.1 48.2

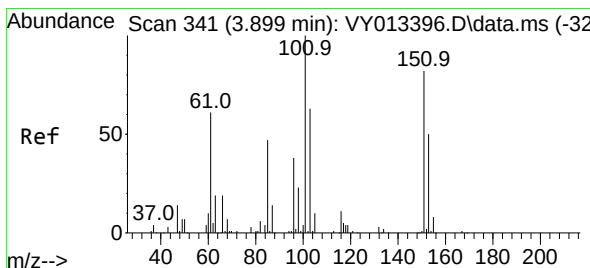
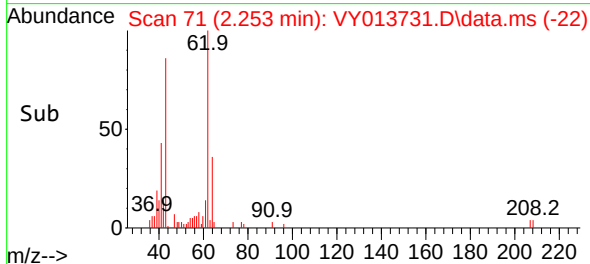
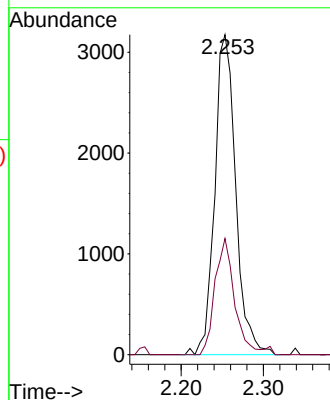
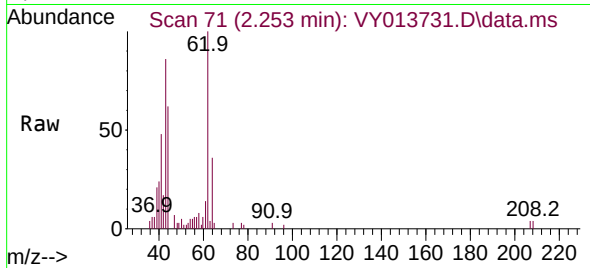




#4
 Vinyl Chloride
 Concen: 2.253 ug/l
 RT: 2.253 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VY013731.D
 Acq: 15 May 2023 12:56

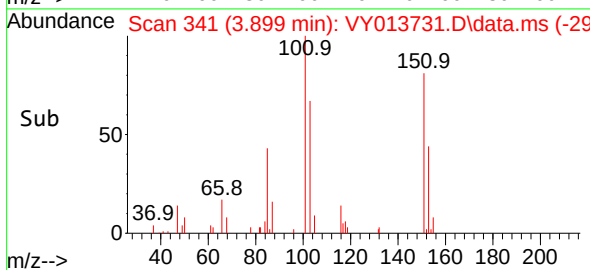
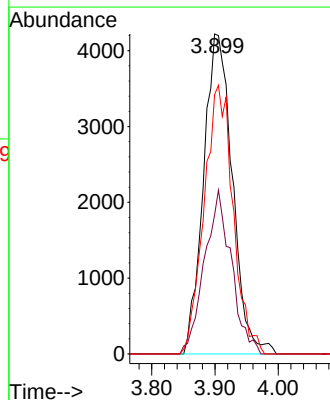
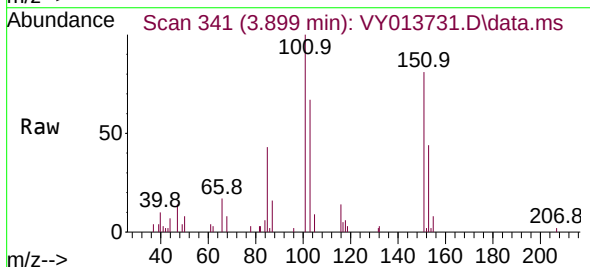
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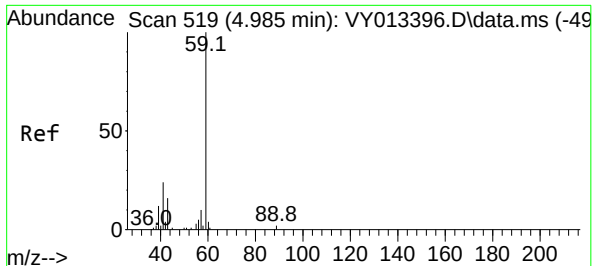
Tgt Ion: 62 Resp: 5624
 Ion Ratio Lower Upper
 62 100
 64 36.3 25.4 38.0



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.304 ug/l
 RT: 3.899 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VY013731.D
 Acq: 15 May 2023 12:56

Tgt Ion: 101 Resp: 13370
 Ion Ratio Lower Upper
 101 100
 85 47.7 35.6 53.4
 151 84.1 68.0 102.0

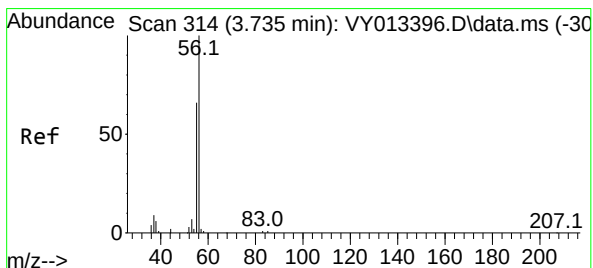
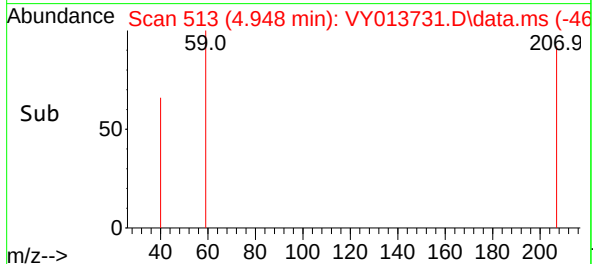
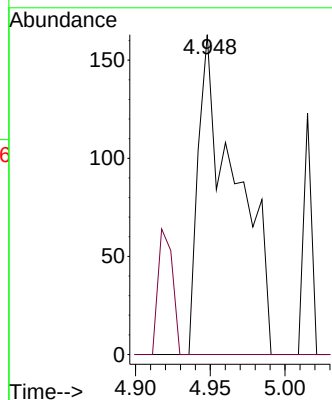
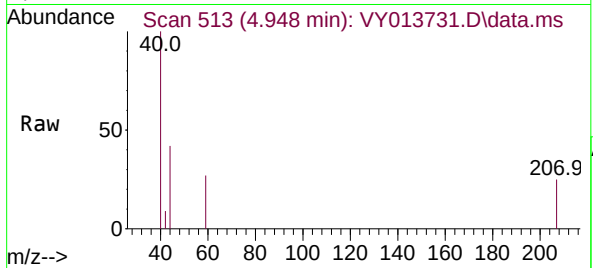




#11
Tert butyl alcohol
Concen: 1.820 ug/l
RT: 4.948 min Scan# 519
Delta R.T. -0.030 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

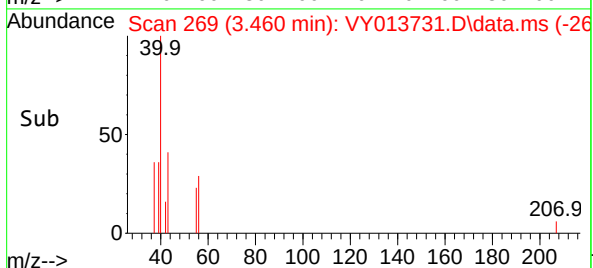
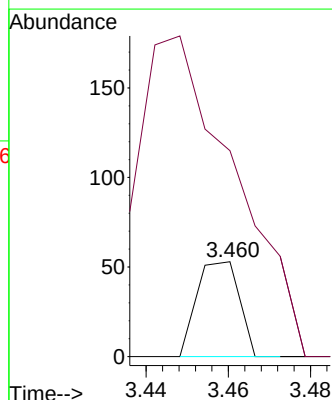
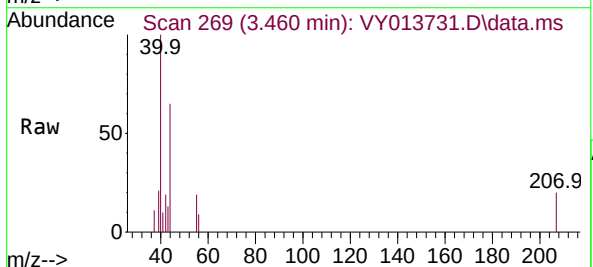
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-14-050923

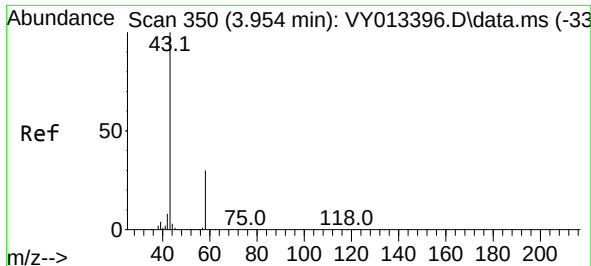
Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#13
Acrolein
Concen: Below Cal
RT: 3.460 min Scan# 269
Delta R.T. -0.269 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

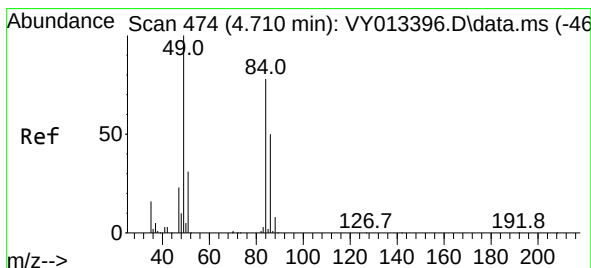
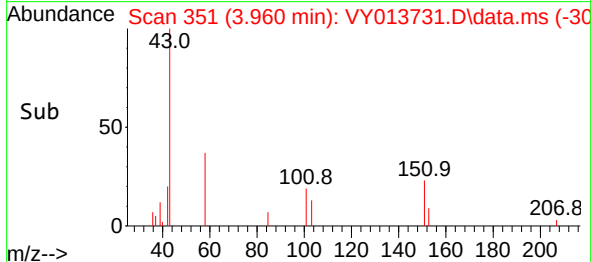
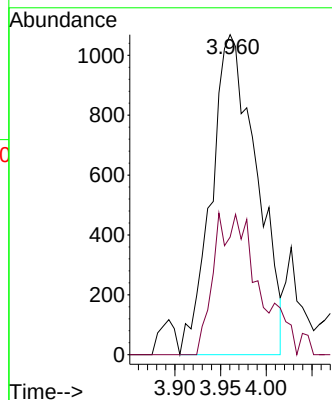
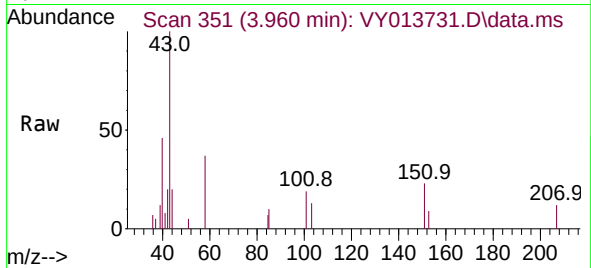




#16
Acetone
Concen: 4.336 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

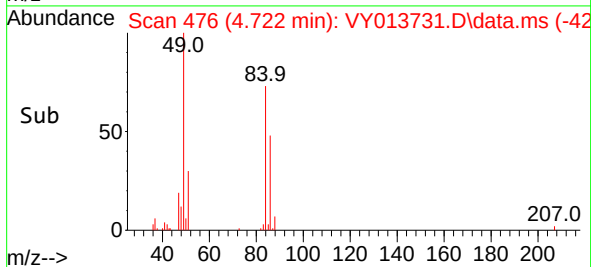
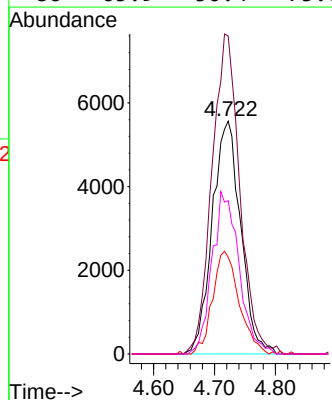
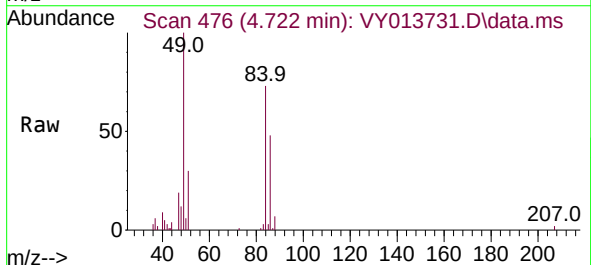
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-14-050923

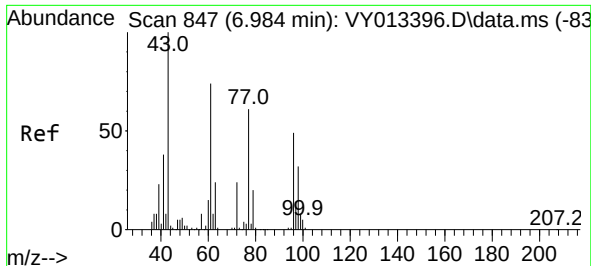
Tgt Ion: 43 Resp: 3682
Ion Ratio Lower Upper
43 100
58 36.8 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

Tgt Ion: 84 Resp: 18037
Ion Ratio Lower Upper
84 100
49 136.6 88.0 132.0#
51 40.4 27.4 41.0
86 65.9 50.4 75.6





#27

cis-1,2-Dichloroethene

Concen: 11.322 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013731.D

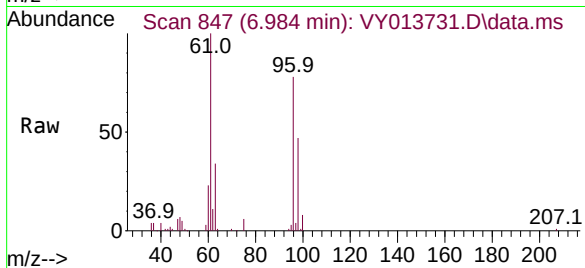
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Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-14-050923



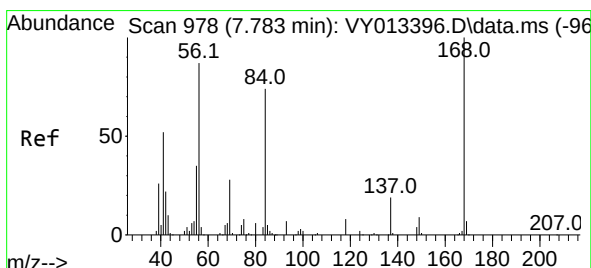
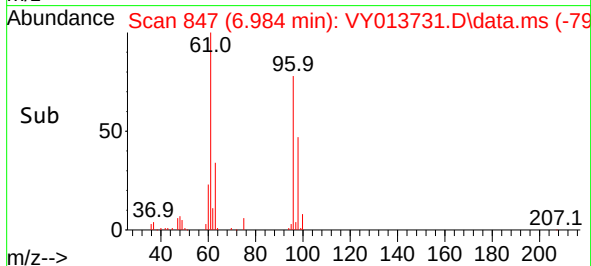
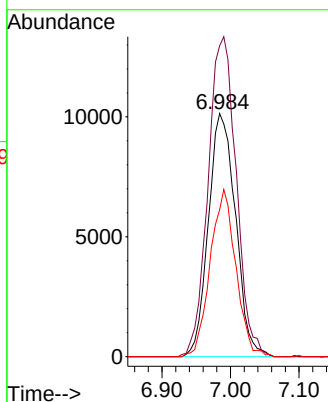
Tgt Ion: 96 Resp: 27962

Ion Ratio Lower Upper

96 100

61 136.1 0.0 285.0

98 64.7 0.0 130.6



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY013731.D

Acq: 15 May 2023 12:56

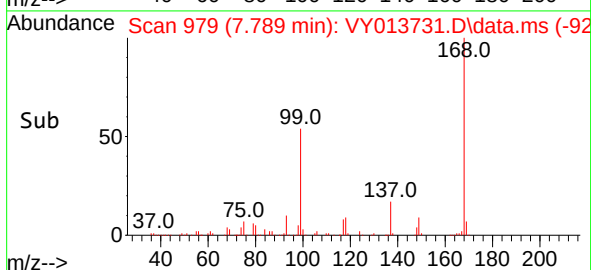
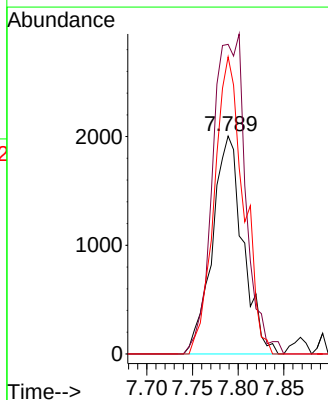
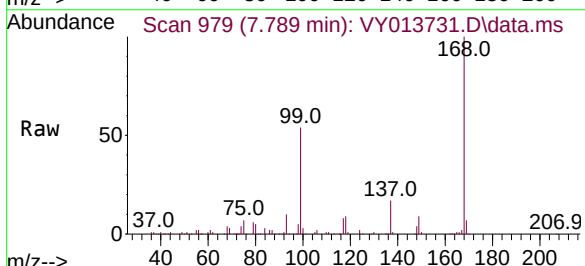
Tgt Ion: 56 Resp: 4680

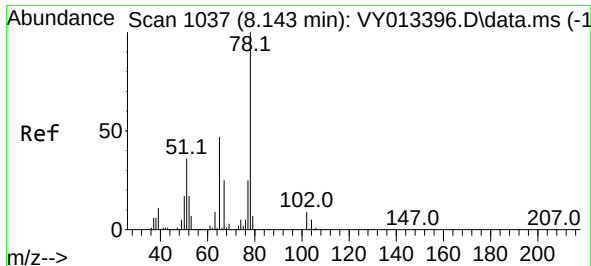
Ion Ratio Lower Upper

56 100

69 142.0 29.2 43.8#

84 136.4 73.0 109.6#

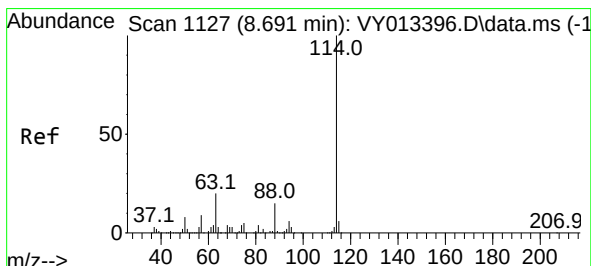
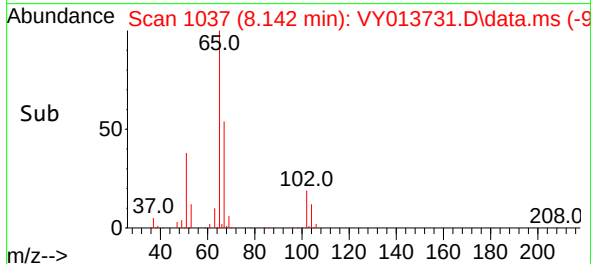
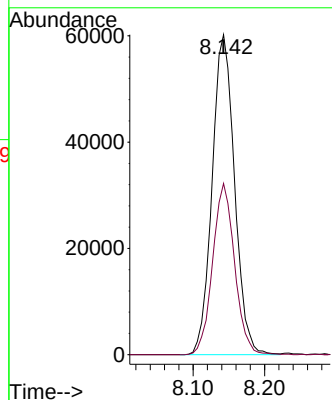
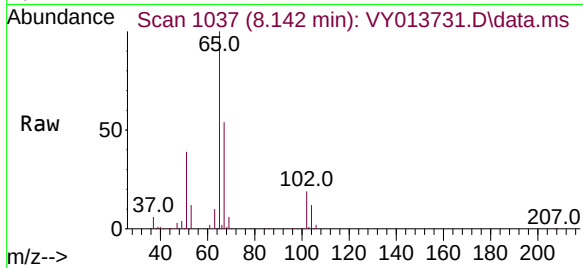




#33
 1,2-Dichloroethane-d4
 Concen: 60.825 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. 0.006 min
 Lab File: VY013731.D
 Acq: 15 May 2023 12:56

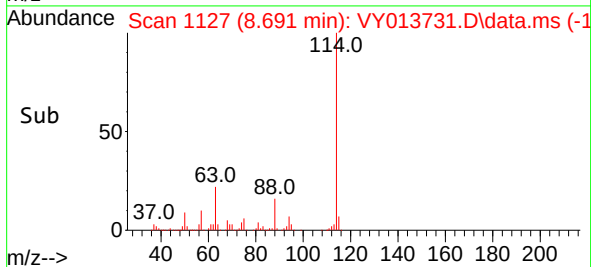
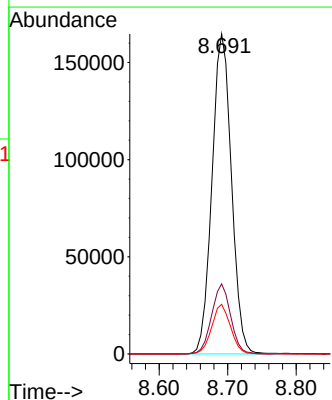
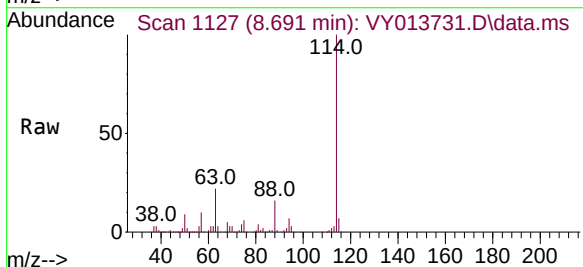
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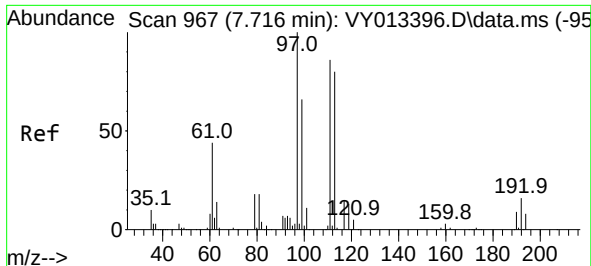
Tgt Ion: 65 Resp: 131162
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY013731.D
 Acq: 15 May 2023 12:56

Tgt Ion: 114 Resp: 323834
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 36.6
 88 15.5 0.0 28.8

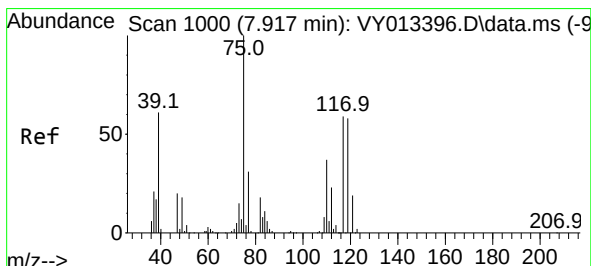
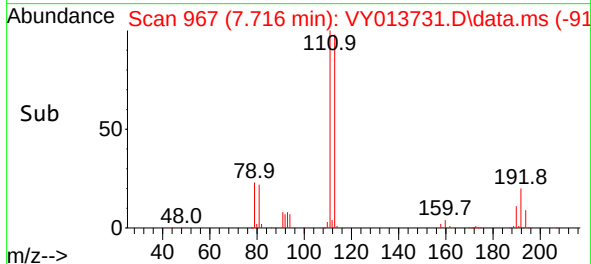
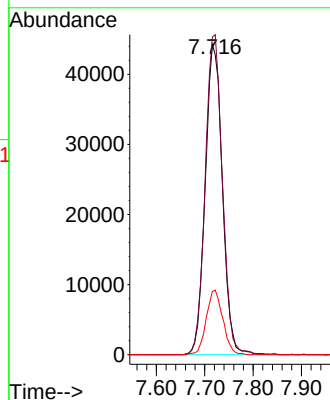
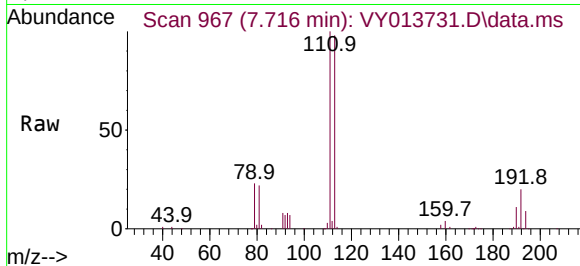




#35
Dibromofluoromethane
Concen: 53.561 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

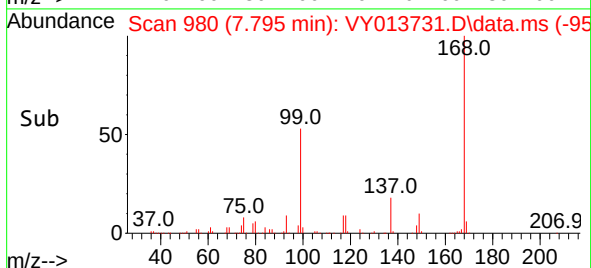
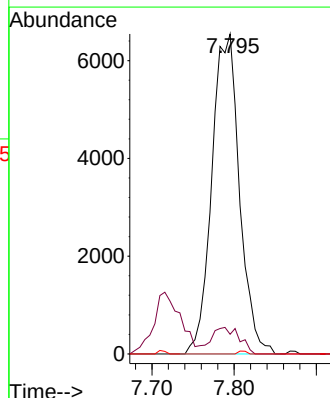
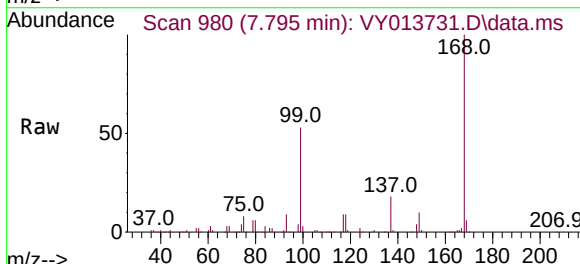
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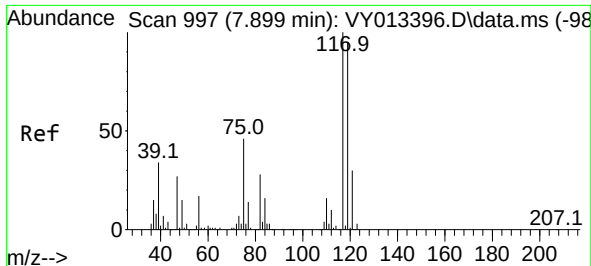
Tgt Ion:113 Resp: 109091
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 20.1 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.521 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

Tgt Ion: 75 Resp: 15283
Ion Ratio Lower Upper
75 100
110 8.4 18.7 56.1#
77 0.3 24.6 37.0#

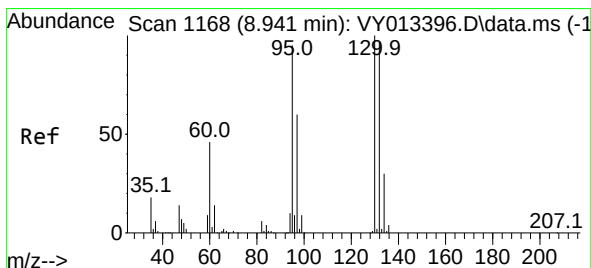
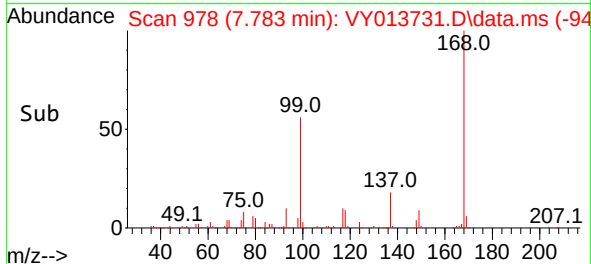
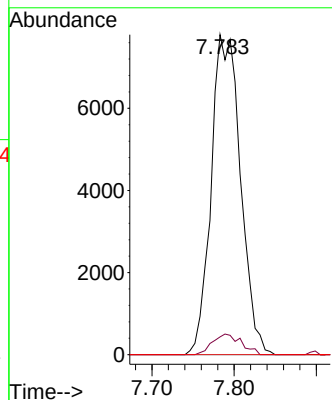
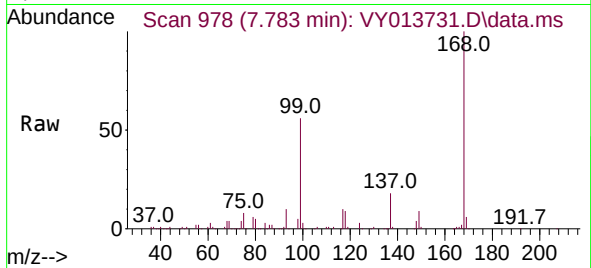




#38
Carbon Tetrachloride
Concen: 5.448 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

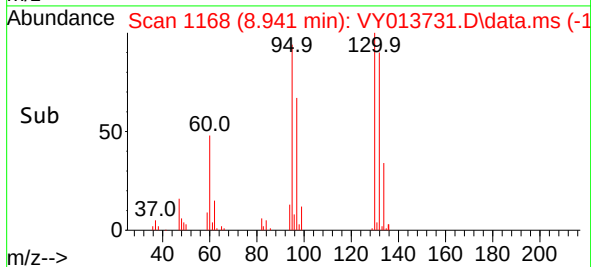
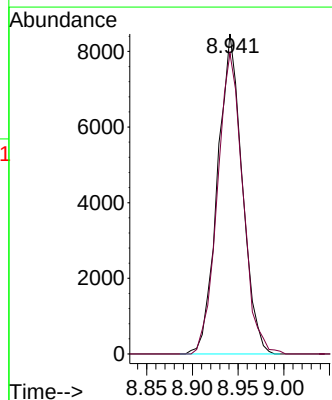
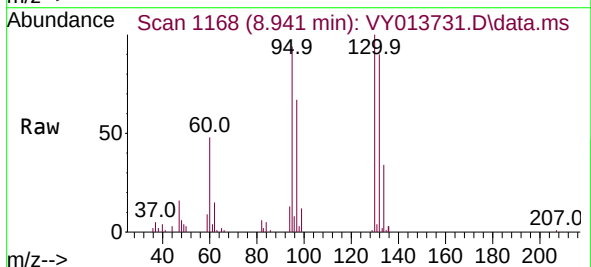
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-14-050923

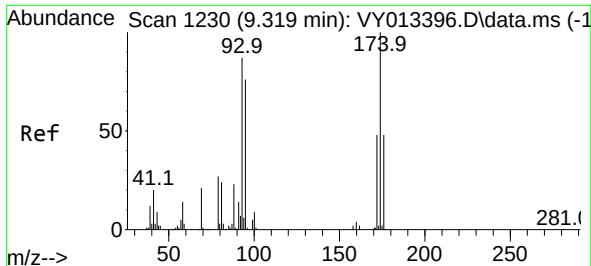
Tgt Ion:117 Resp: 19301
Ion Ratio Lower Upper
117 100
119 5.6 79.0 118.6#
121 0.0 26.6 40.0#



#44
Trichloroethene
Concen: 6.277 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

Tgt Ion:130 Resp: 15899
Ion Ratio Lower Upper
130 100
95 93.9 0.0 188.8





#49

1,4-Dioxane

Concen: 1.504 ug/l

RT: 9.106 min Scan# 1195

Delta R.T. -0.201 min

Lab File: VY013731.D

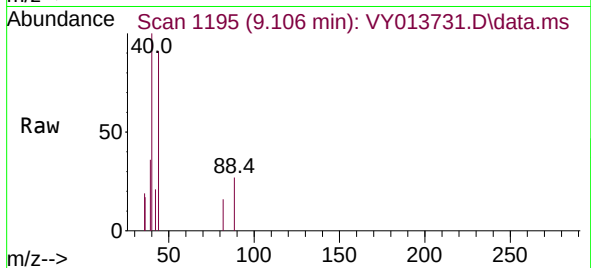
Acq: 15 May 2023 12:56

Instrument :

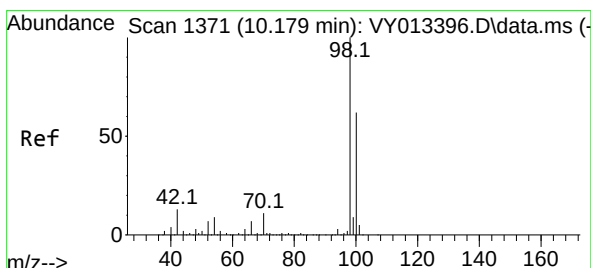
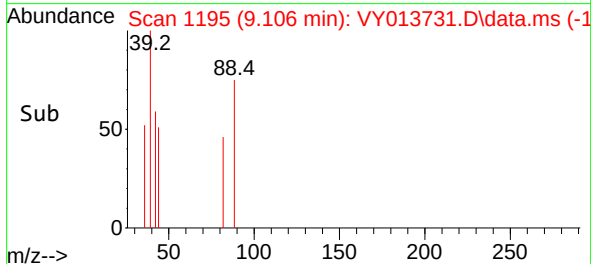
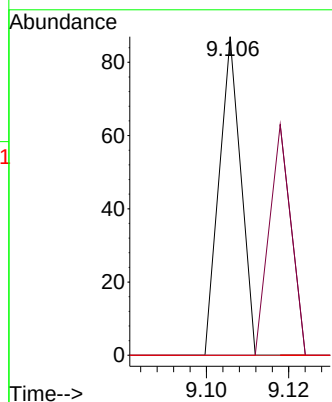
MSVOA_Y

ClientSampleId :

CB-14-G1-SO-14-050923



Tgt Ion:	88	Resp:	32
Ion	Ratio	Lower	Upper
88	100		
43	71.9	16.8	25.2#
58	0.0	54.3	81.5#



#50

Toluene-d8

Concen: 54.780 ug/l

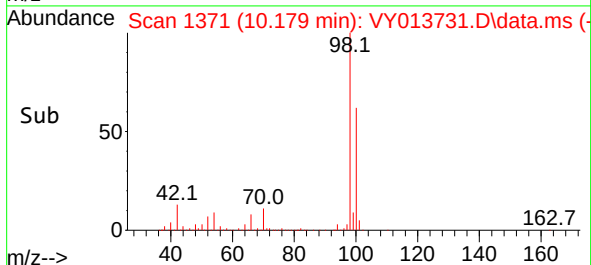
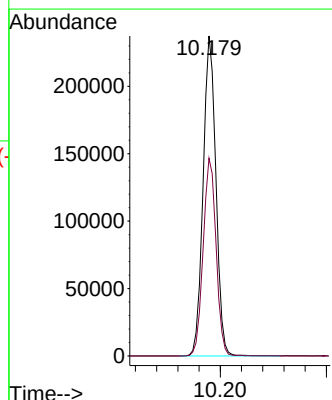
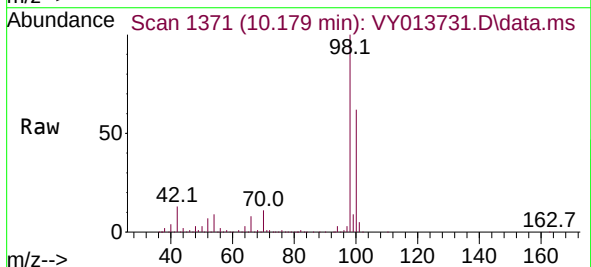
RT: 10.179 min Scan# 1371

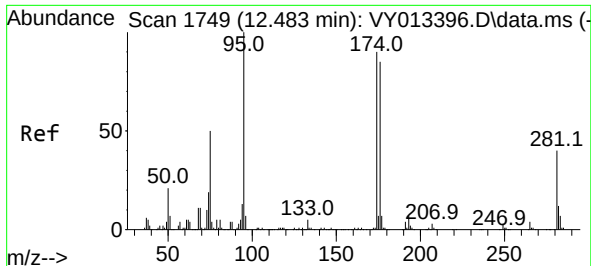
Delta R.T. -0.000 min

Lab File: VY013731.D

Acq: 15 May 2023 12:56

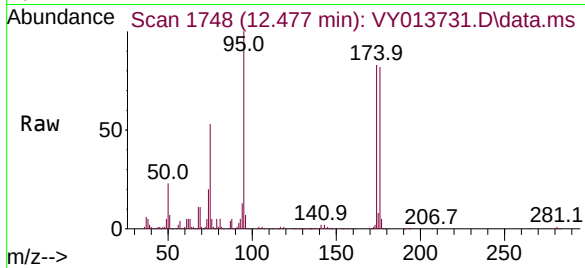
Tgt Ion:	98	Resp:	396916
Ion	Ratio	Lower	Upper
98	100		
100	62.6	50.5	75.7



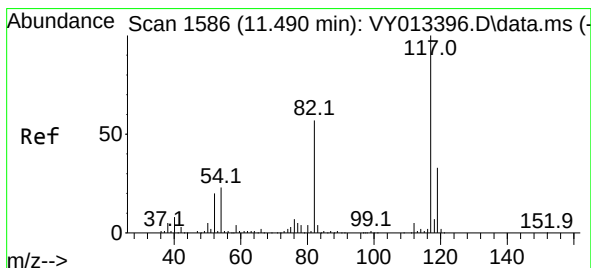
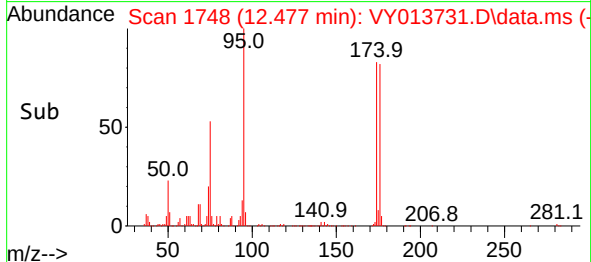
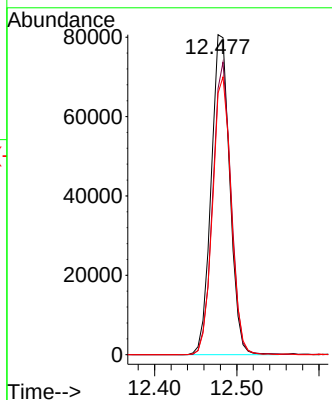


#62
4-Bromofluorobenzene
Concen: 51.917 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-14-050923

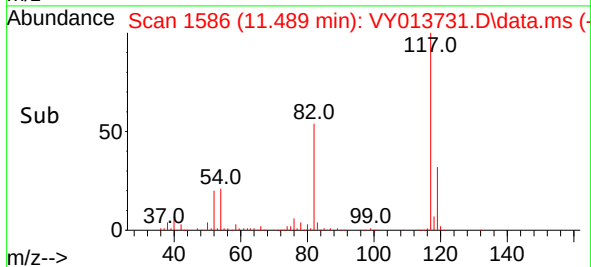
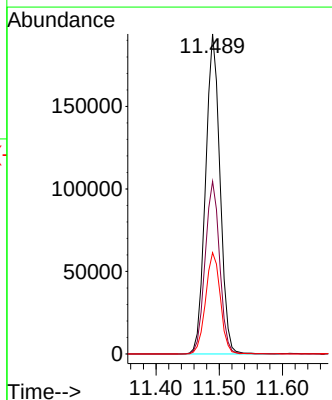
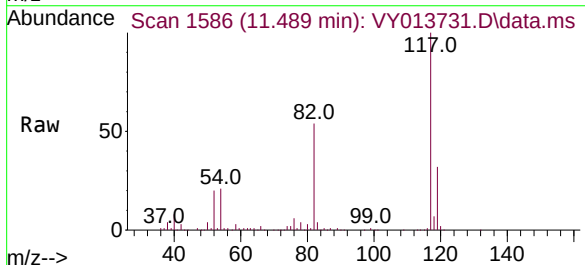


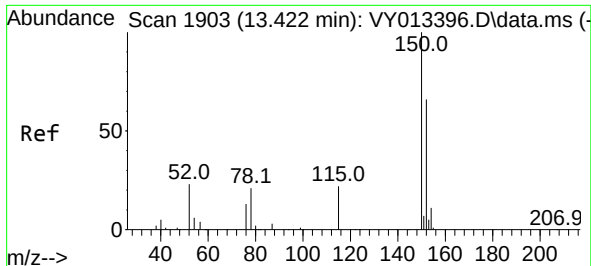
Tgt Ion: 95 Resp: 126816
Ion Ratio Lower Upper
95 100
174 89.8 0.0 182.0
176 86.8 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

Tgt Ion: 117 Resp: 308658
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.6
119 31.7 25.5 38.3

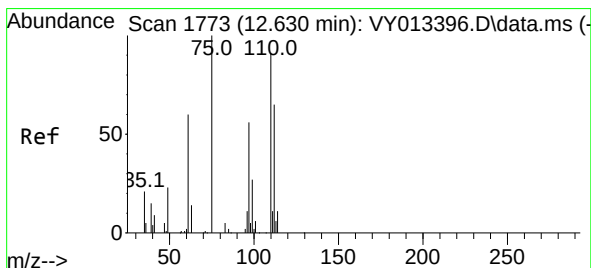
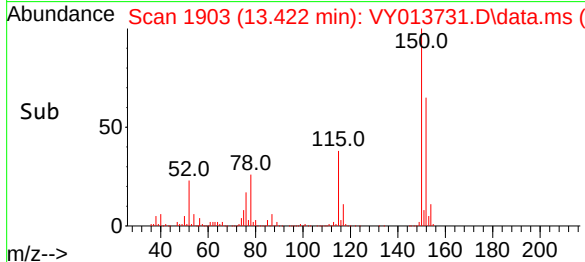
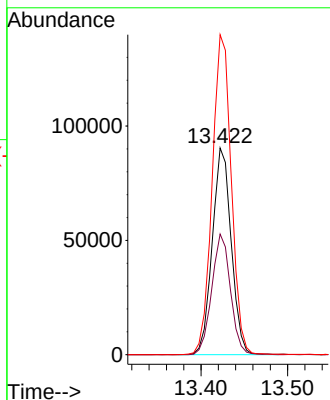
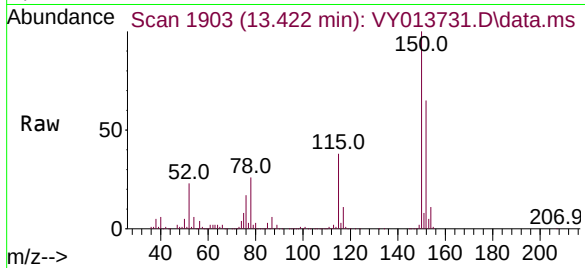




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

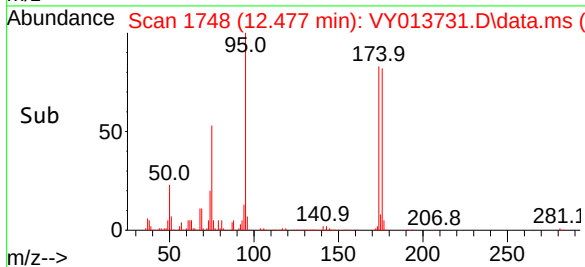
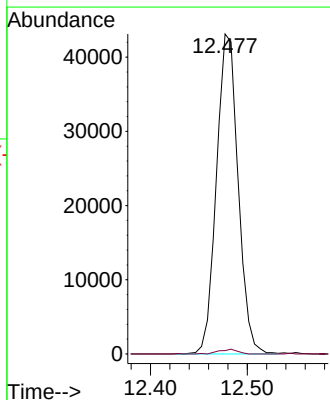
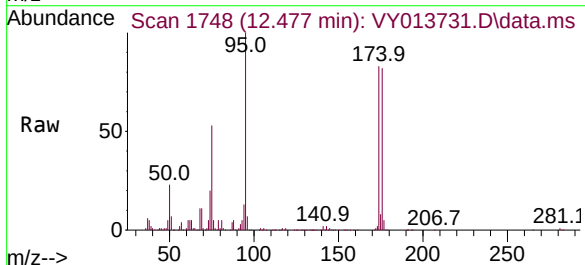
Instrument :
MSVOA_Y
ClientSampleId :
CB-14-G1-SO-14-050923

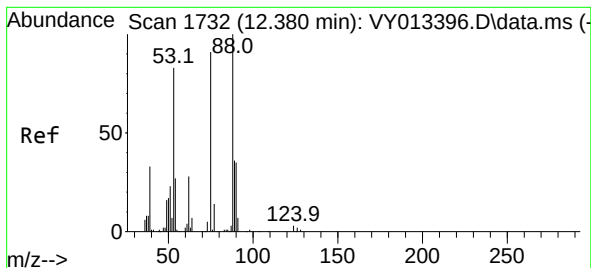
Tgt Ion:152 Resp: 137528
Ion Ratio Lower Upper
152 100
115 57.5 28.1 84.2
150 155.8 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 36.137 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013731.D
Acq: 15 May 2023 12:56

Tgt Ion: 75 Resp: 67024
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 73.920 ug/l

RT: 12.477 min Scan# 11

Delta R.T. 0.098 min

Lab File: VY013731.D

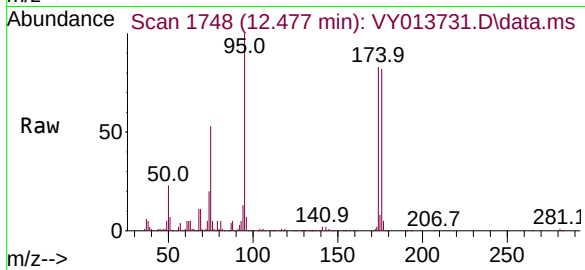
Acq: 15 May 2023 12:56

Instrument :

MSVOA_Y

ClientSampleId :

CB-14-G1-SO-14-050923



Tgt Ion: 75 Resp: 67024

Ion Ratio Lower Upper

75 100

53 0.2 73.2 109.8#

89 0.1 38.0 57.0#

