

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061323\
 Data File : VD076403.D
 Acq On : 13 Jun 2023 14:18
 Operator : KP/SY
 Sample : 03074-01RE
 Misc : 6.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GT-01RE

Quant Time: Jun 14 05:46:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

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

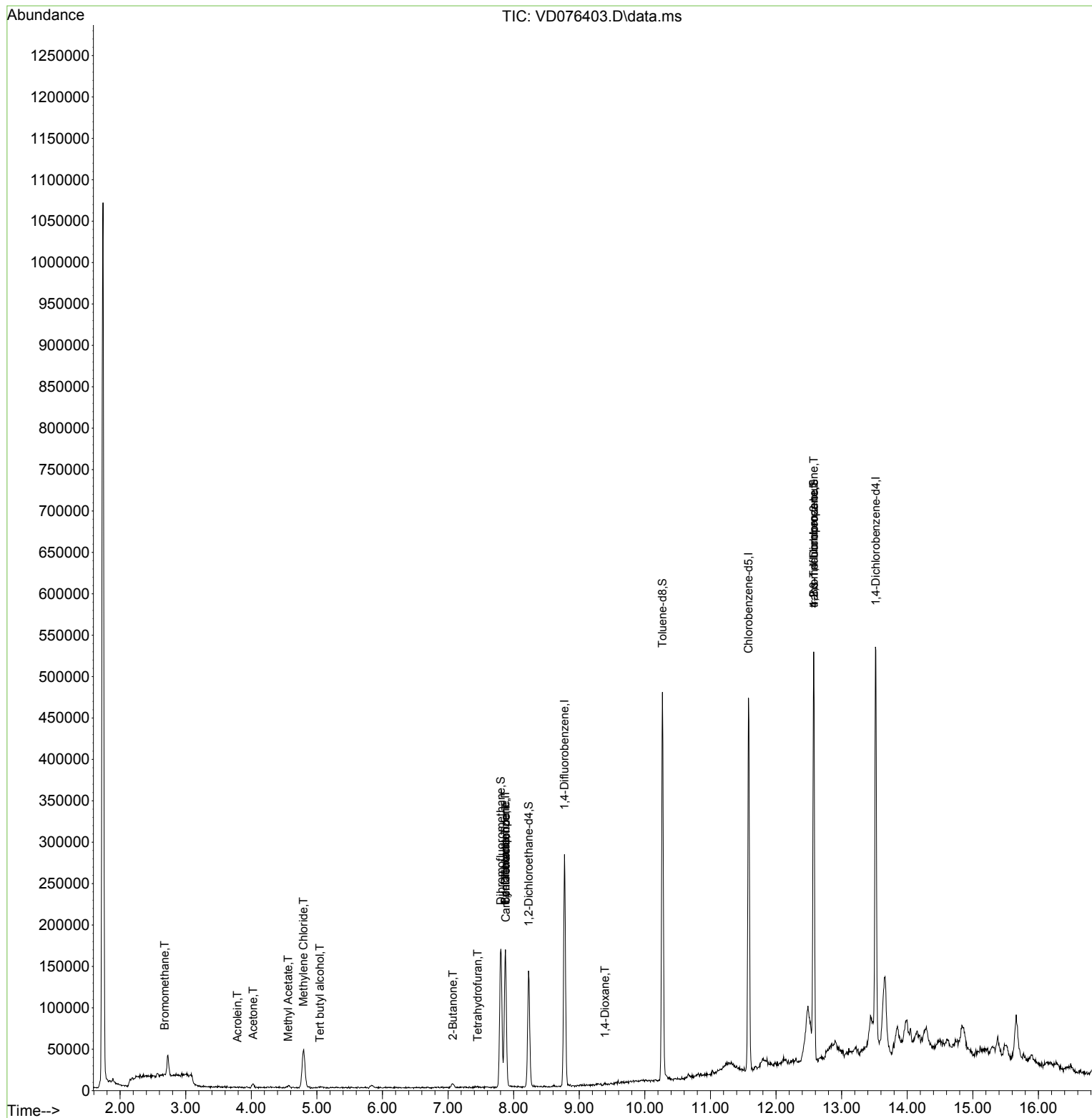
Internal Standards						
1) Pentafluorobenzene	7.875	168	127571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	239461	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	255091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.521	152	128235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	105176	71.379	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.760%			
35) Dibromofluoromethane	7.804	113	123103	79.541	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 159.080%#			
50) Toluene-d8	10.269	98	321157	54.758	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.520%			
62) 4-Bromofluorobenzene	12.574	95	147864	73.489	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 146.980%#			
Target Compounds						Qvalue
5) Bromomethane	2.681	94	1794	1.658	ug/l	91
11) Tert butyl alcohol	5.045	59	2081	16.894	ug/l #	83
13) Acrolein	3.787	56	172	1.217	ug/l #	15
16) Acetone	4.028	43	7569	23.367	ug/l	95
18) Methyl Acetate	4.563	43	4083	2.765	ug/l #	88
20) Methylene Chloride	4.793	84	34383	15.968	ug/l #	85
25) 2-Butanone	7.075	43	848	1.674	ug/l #	37
28) Bromochloromethane	7.422	49	485	Below Cal	#	11
29) Tetrahydrofuran	7.451	42	560	1.733	ug/l #	23
31) Cyclohexane	7.875	56	3650	1.548	ug/l #	54
36) 1,1-Dichloropropene	7.875	75	9361	4.144	ug/l #	49
38) Carbon Tetrachloride	7.881	117	12376	5.901	ug/l #	14
49) 1,4-Dioxane	9.392	88	60	5.250	ug/l #	1
76) 1,2,3-Trichloropropane	12.574	75	77471	64.622	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.574	75	77471	115.701	ug/l #	17

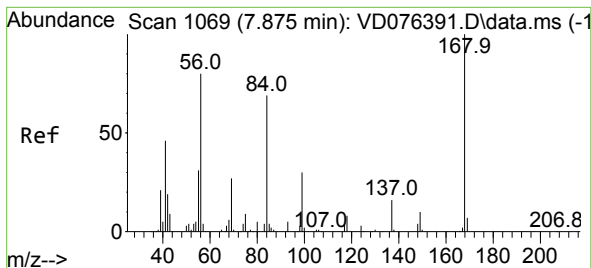
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 13 02:01:34 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076403.D

Acq: 13 Jun 2023 14:18

Instrument :

MSVOA_D

ClientSampleId :

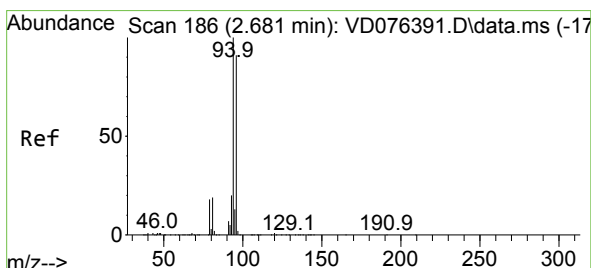
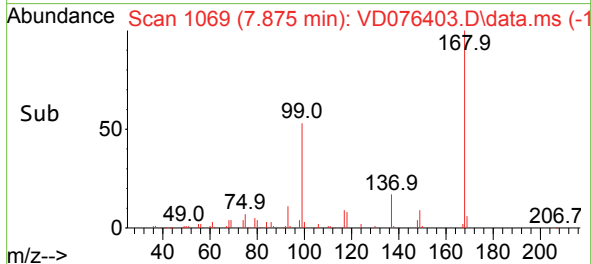
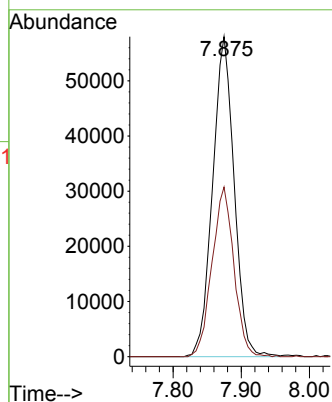
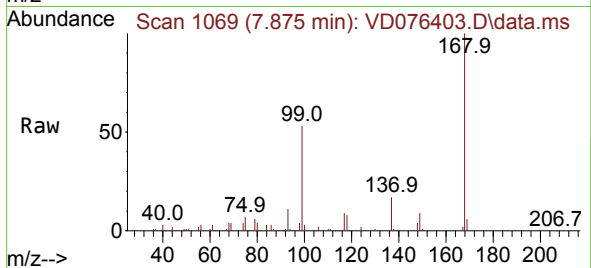
GT-01RE

Tgt Ion:168 Resp: 127571

Ion Ratio Lower Upper

168 100

99 53.0 36.7 55.1



#5

Bromomethane

Concen: 1.658 ug/l

RT: 2.681 min Scan# 186

Delta R.T. -0.000 min

Lab File: VD076403.D

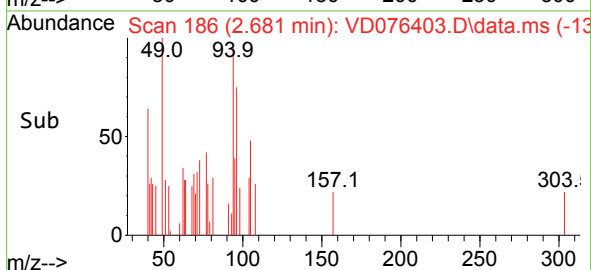
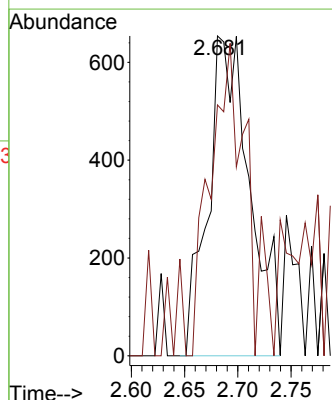
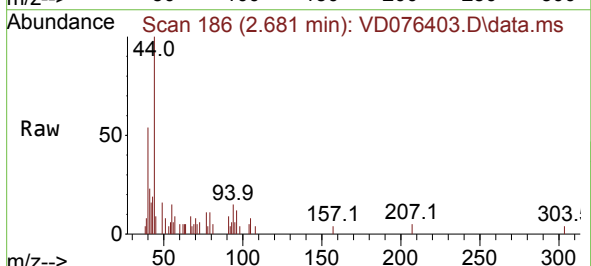
Acq: 13 Jun 2023 14:18

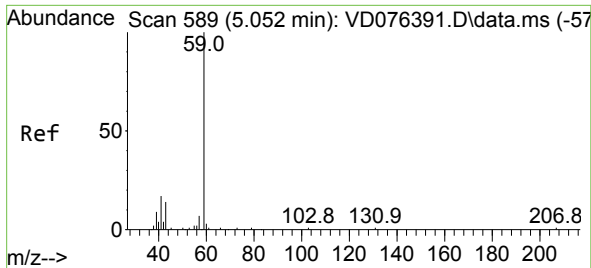
Tgt Ion: 94 Resp: 1794

Ion Ratio Lower Upper

94 100

96 86.2 75.8 113.8

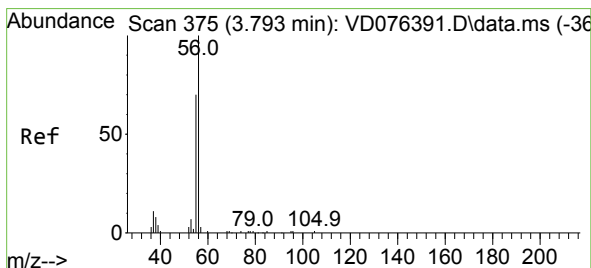
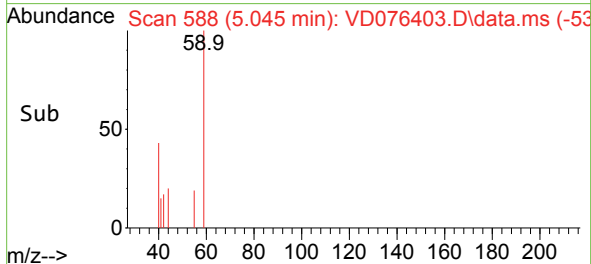
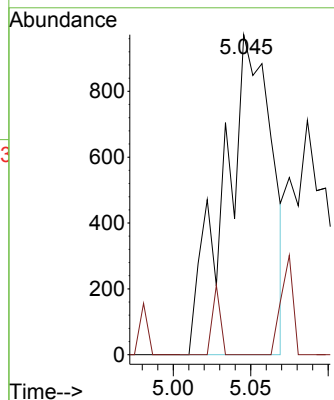
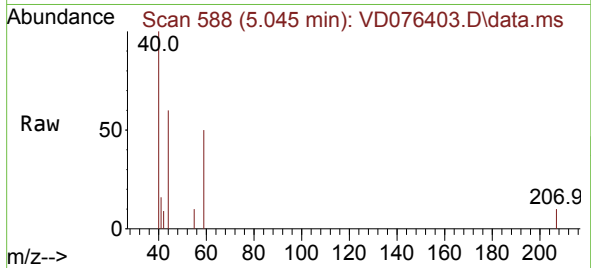




#11
Tert butyl alcohol
Concen: 16.894 ug/l
RT: 5.045 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

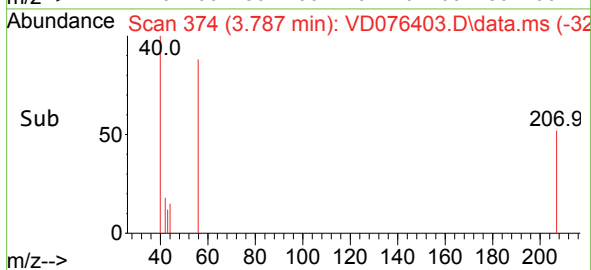
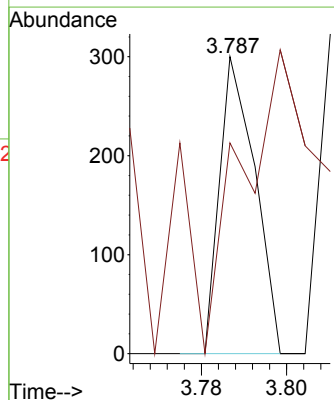
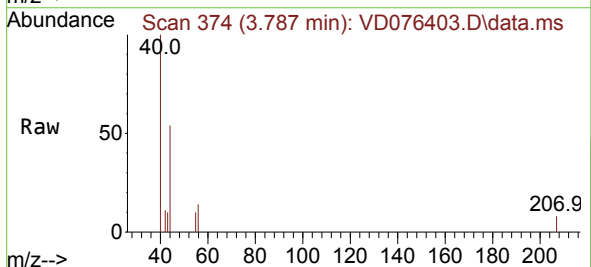
Instrument :
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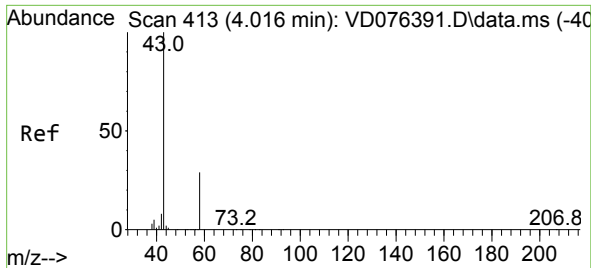
Tgt Ion: 59 Resp: 2081
Ion Ratio Lower Upper
59 100
57 3.6 7.8 11.8#



#13
Acrolein
Concen: 1.217 ug/l
RT: 3.787 min Scan# 374
Delta R.T. -0.006 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

Tgt Ion: 56 Resp: 172
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

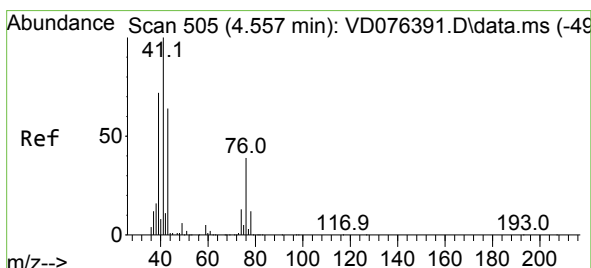
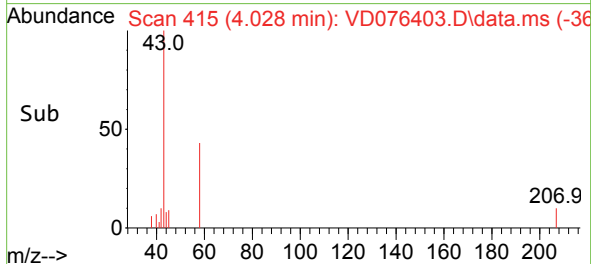
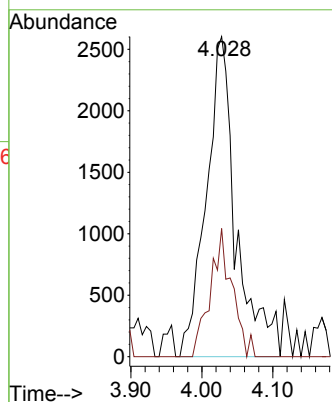
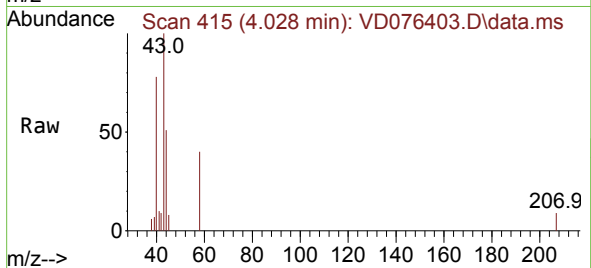




#16
Acetone
Concen: 23.367 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

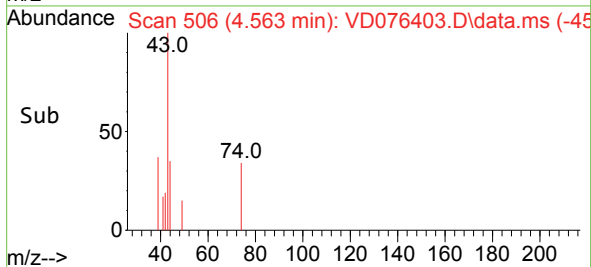
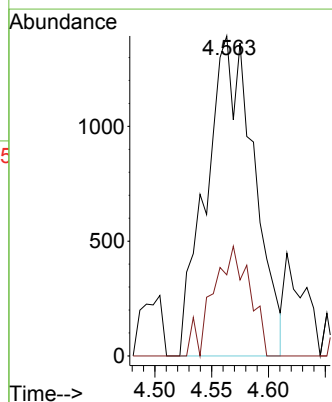
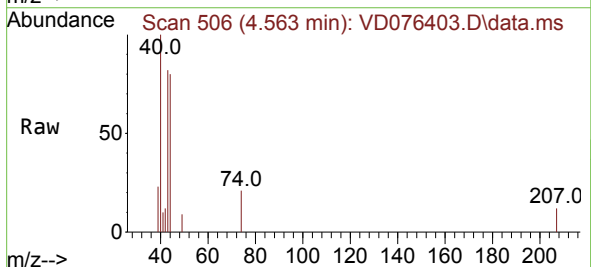
Instrument :
MSVOA_D
ClientSampleId :
GT-01RE

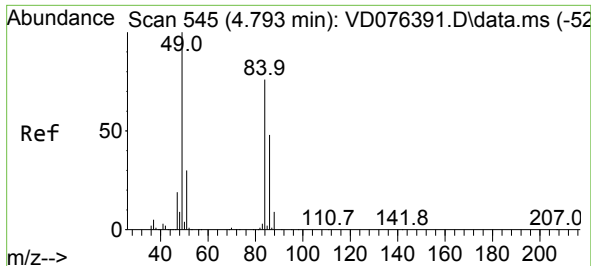
Tgt Ion: 43 Resp: 7569
Ion Ratio Lower Upper
43 100
58 40.0 34.7 52.1



#18
Methyl Acetate
Concen: 2.765 ug/l
RT: 4.563 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

Tgt Ion: 43 Resp: 4083
Ion Ratio Lower Upper
43 100
74 26.4 26.4 39.6#

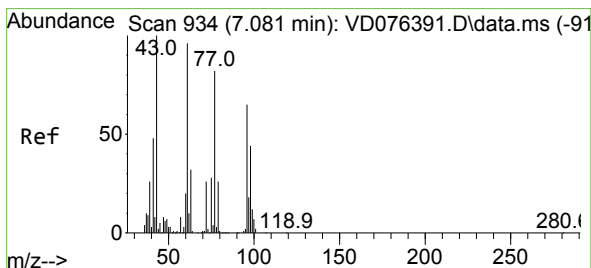
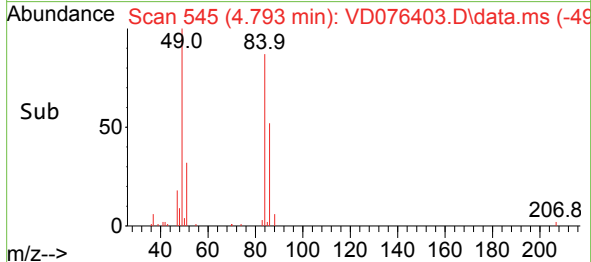
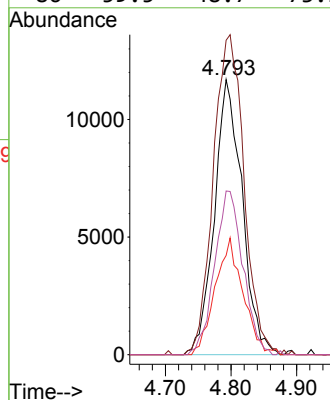
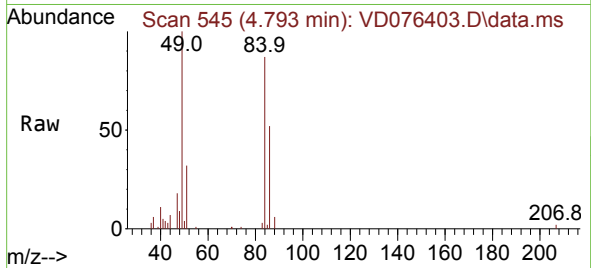




#20
Methylene Chloride
Concen: 15.968 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.000 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

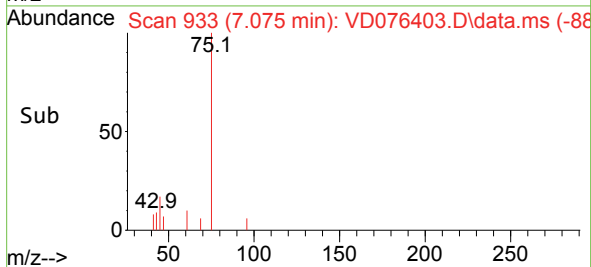
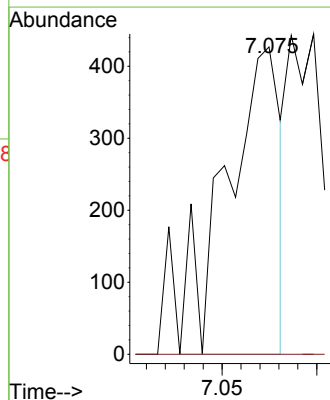
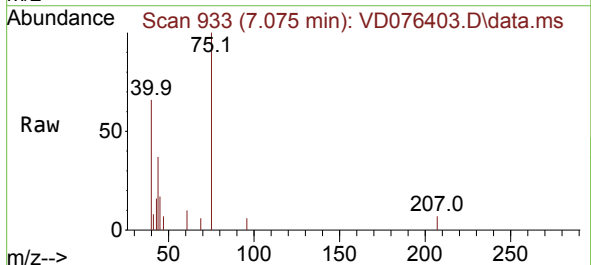
Instrument :
MSVOA_D
ClientSampleId :
GT-01RE

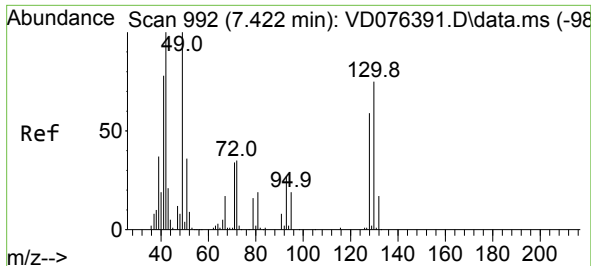
Tgt Ion: 84 Resp: 34383
Ion Ratio Lower Upper
84 100
49 114.3 71.4 107.2#
51 36.1 24.5 36.7
86 59.5 48.7 73.1



#25
2-Butanone
Concen: 1.674 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

Tgt Ion: 43 Resp: 848
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

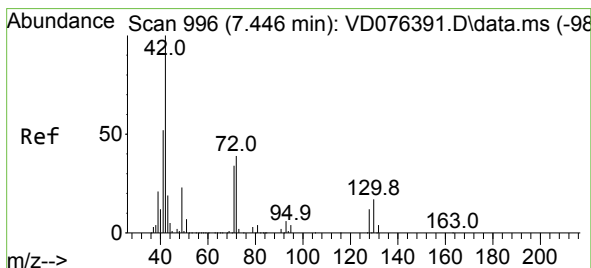
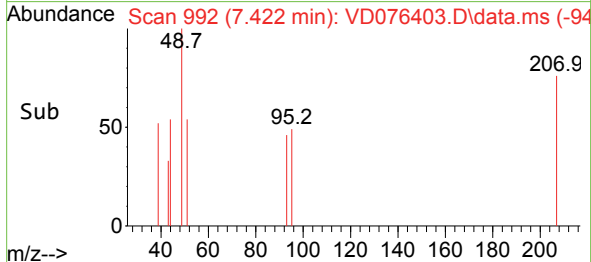
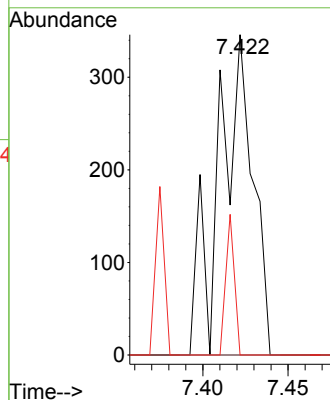
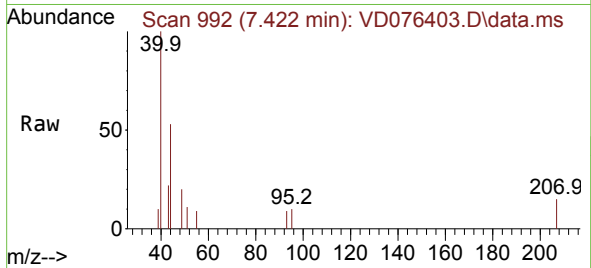




#28
Bromochloromethane
Concen: Below Cal
RT: 7.422 min Scan# 992
Delta R.T. -0.000 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

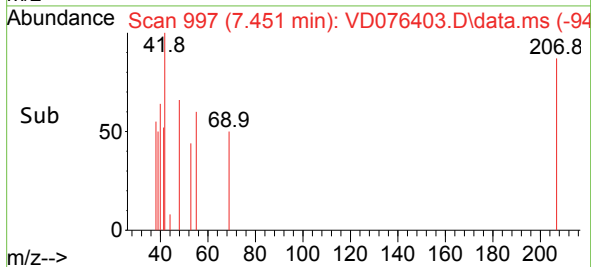
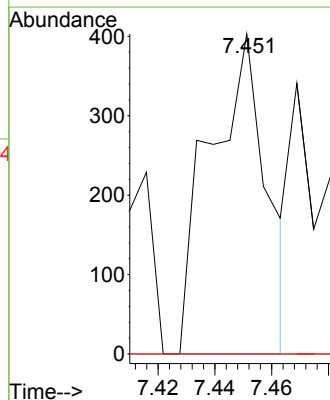
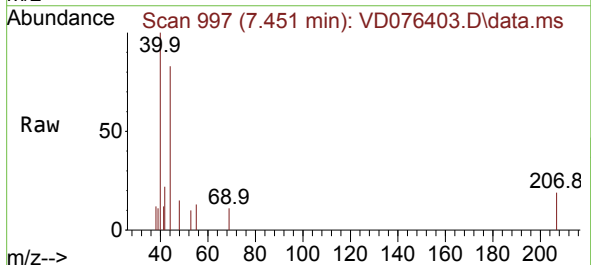
Instrument :
MSVOA_D
ClientSampleId :
GT-01RE

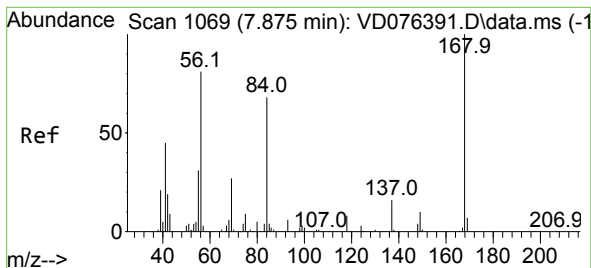
Tgt Ion: 49 Resp: 485
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 11.1 83.2 124.8#



#29
Tetrahydrofuran
Concen: 1.733 ug/l
RT: 7.451 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

Tgt Ion: 42 Resp: 560
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#





#31

Cyclohexane

Concen: 1.548 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076403.D

Acq: 13 Jun 2023 14:18

Instrument :

MSVOA_D

ClientSampleId :

GT-01RE

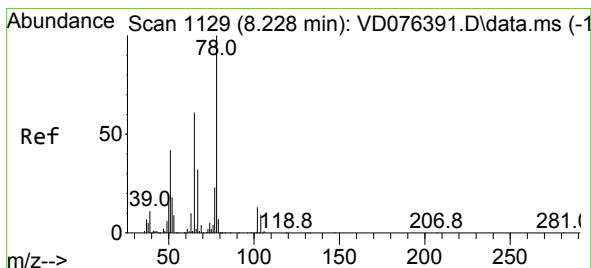
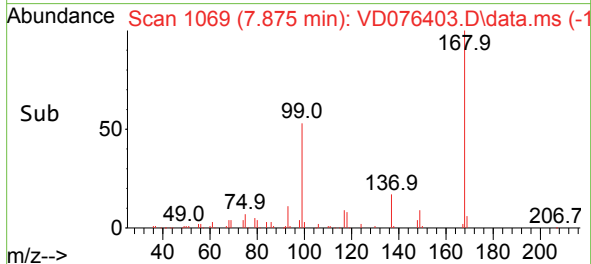
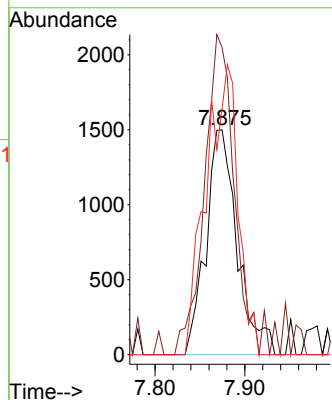
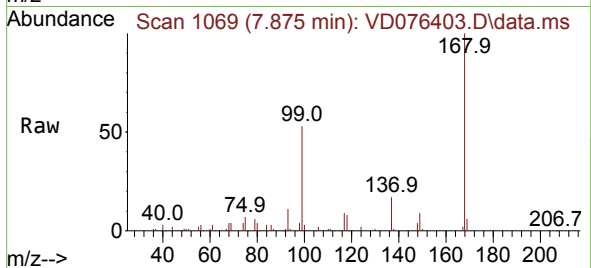
Tgt Ion: 56 Resp: 3650

Ion Ratio Lower Upper

56 100

69 136.6 28.6 43.0#

84 109.6 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 71.379 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076403.D

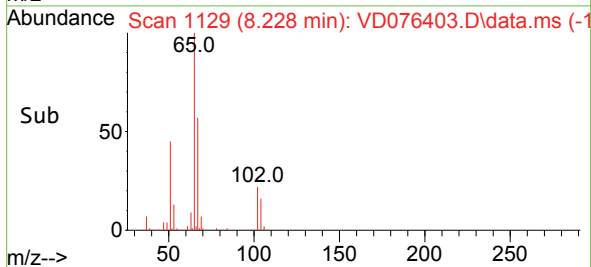
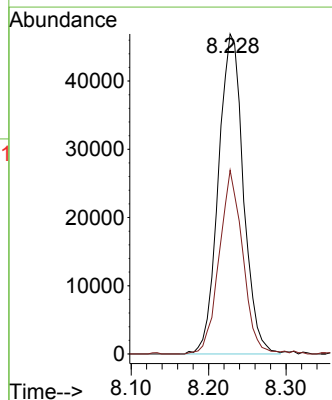
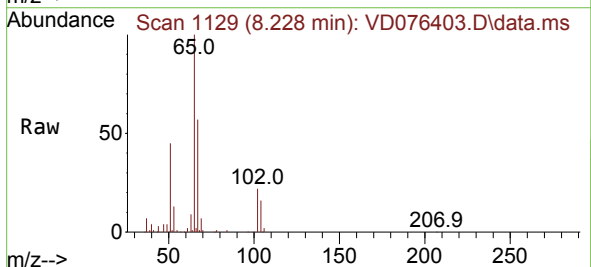
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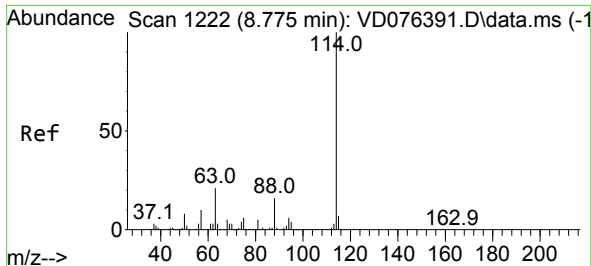
Tgt Ion: 65 Resp: 105176

Ion Ratio Lower Upper

65 100

67 54.2 0.0 115.0

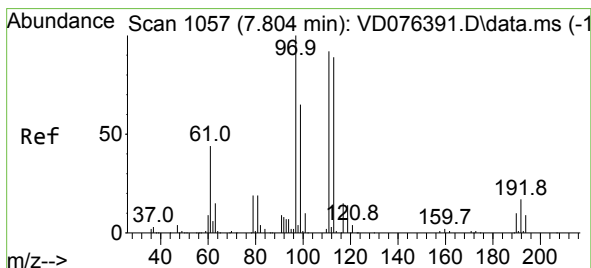
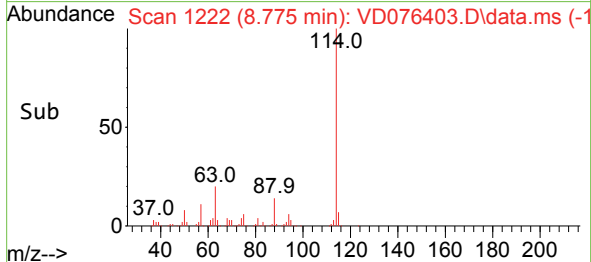
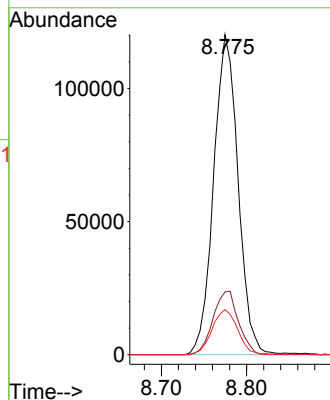
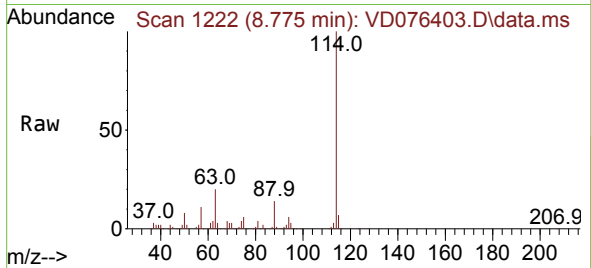




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

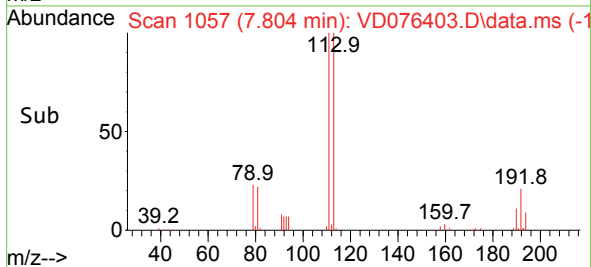
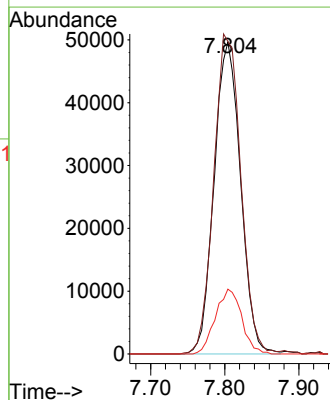
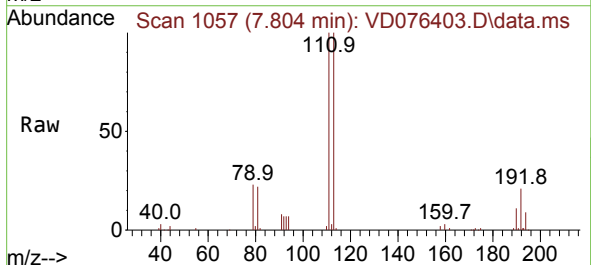
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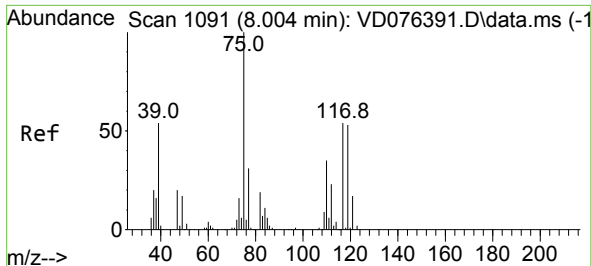
Tgt Ion:114 Resp: 239461
Ion Ratio Lower Upper
114 100
63 19.6 0.0 33.4
88 14.1 0.0 26.2



#35
Dibromofluoromethane
Concen: 79.541 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

Tgt Ion:113 Resp: 123103
Ion Ratio Lower Upper
113 100
111 104.9 84.7 127.1
192 20.6 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.144 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD076403.D

Acq: 13 Jun 2023 14:18

Instrument :

MSVOA_D

ClientSampleId :

GT-01RE

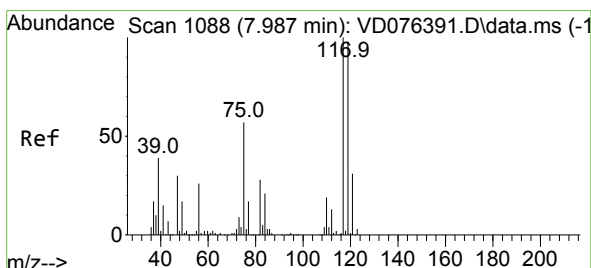
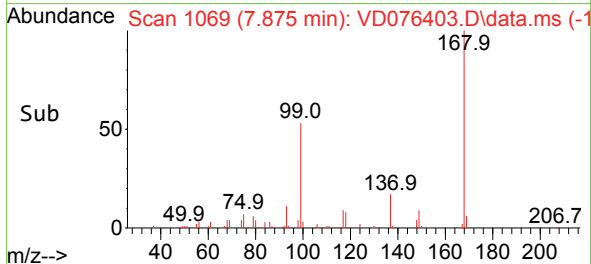
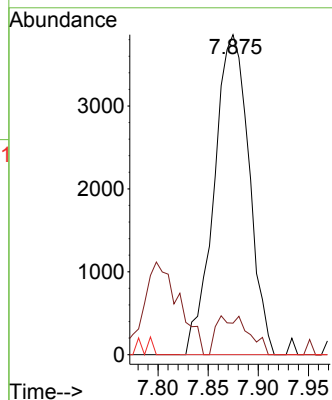
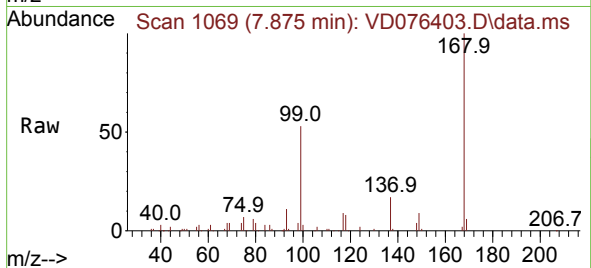
Tgt Ion: 75 Resp: 9361

Ion Ratio Lower Upper

75 100

110 11.0 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.901 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD076403.D

Acq: 13 Jun 2023 14:18

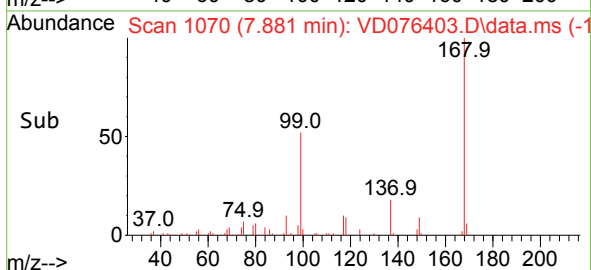
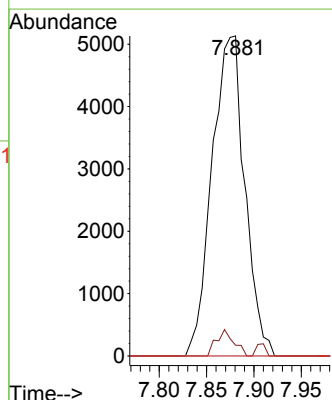
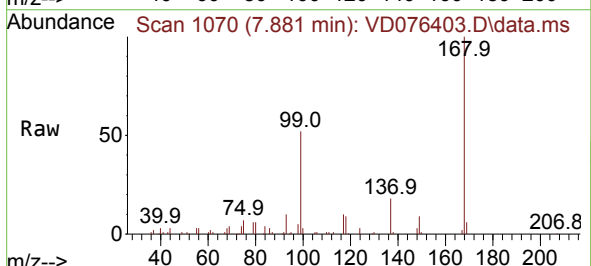
Tgt Ion: 117 Resp: 12376

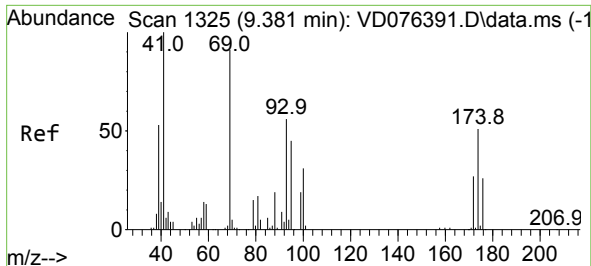
Ion Ratio Lower Upper

117 100

119 3.3 78.0 117.0#

121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 5.250 ug/l

RT: 9.392 min Scan# 1

Delta R.T. 0.012 min

Lab File: VD076403.D

Acq: 13 Jun 2023 14:18

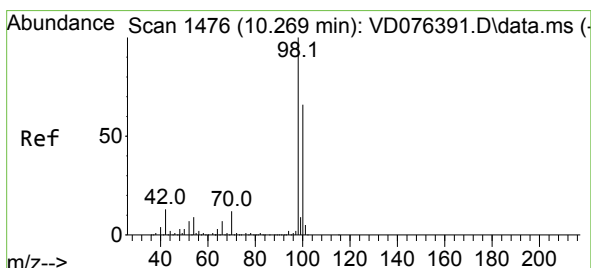
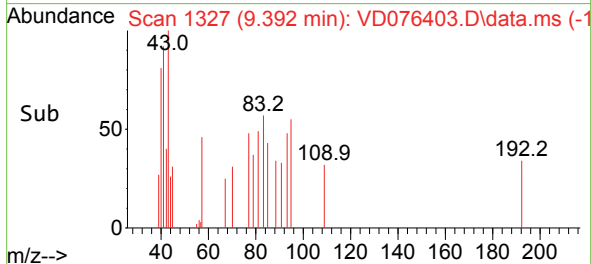
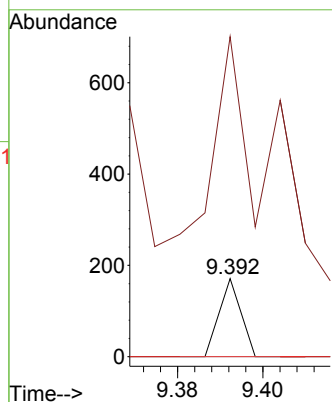
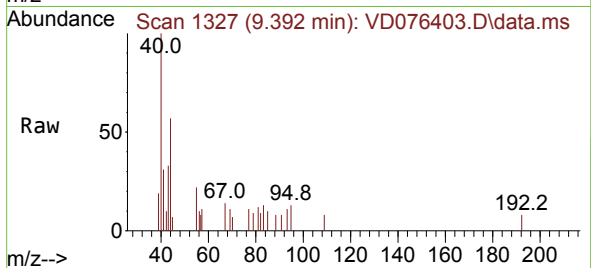
Instrument :

MSVOA_D

ClientSampleId :

GT-01RE

Tgt Ion:	88	Resp:	60
Ion	Ratio	Lower	Upper
88	100		
43	1226.7	19.0	28.6#
58	0.0	43.5	65.3#



#50

Toluene-d8

Concen: 54.758 ug/l

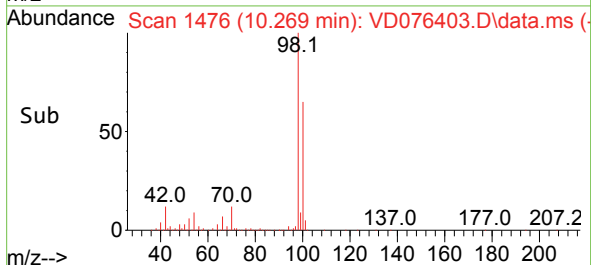
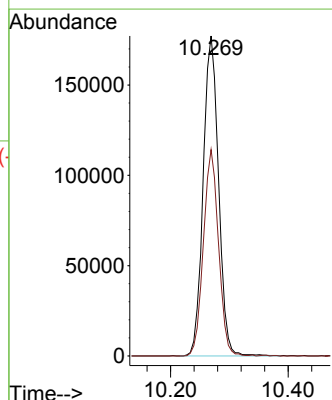
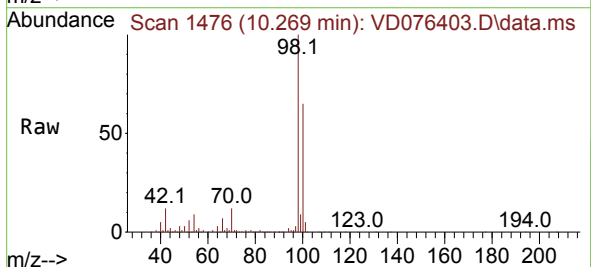
RT: 10.269 min Scan# 1476

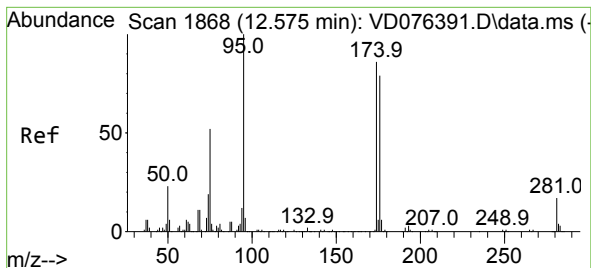
Delta R.T. -0.000 min

Lab File: VD076403.D

Acq: 13 Jun 2023 14:18

Tgt Ion:	98	Resp:	321157
Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.3	75.5

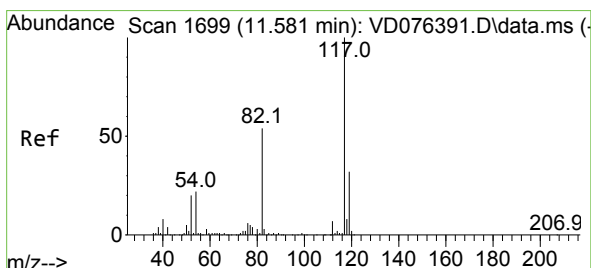
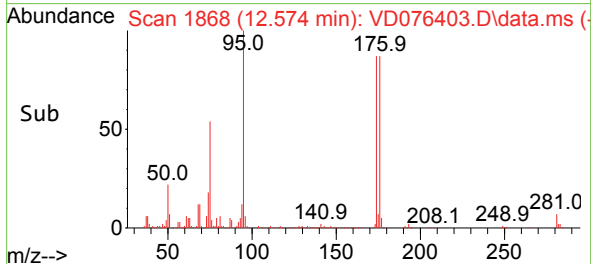
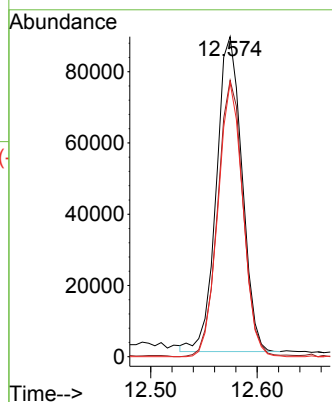
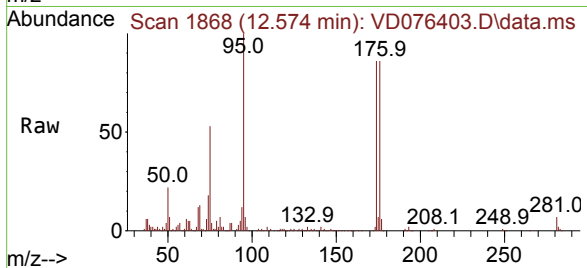




#62
4-Bromofluorobenzene
Concen: 73.489 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

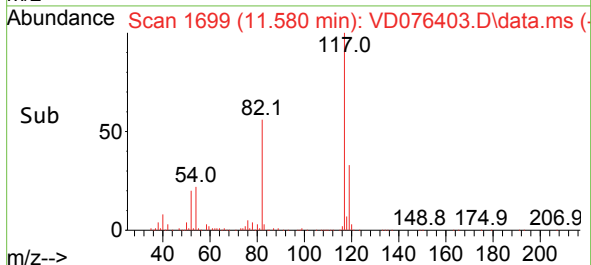
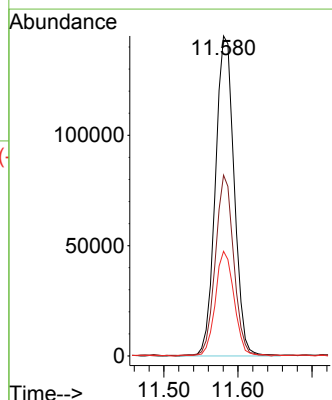
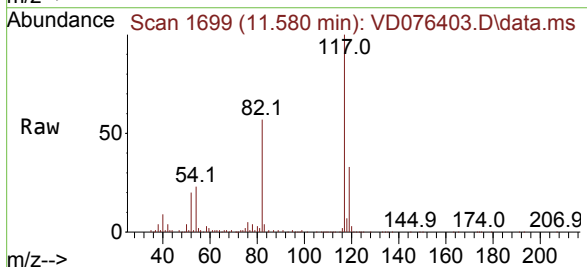
Instrument :
MSVOA_D
ClientSampleId :
GT-01RE

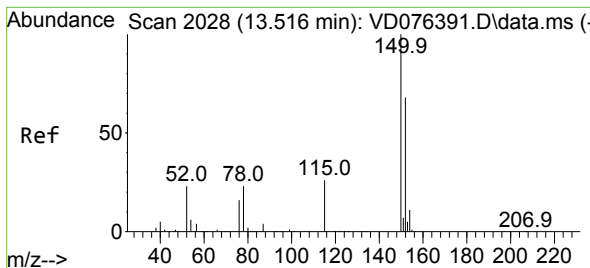
Tgt Ion: 95 Resp: 147864
Ion Ratio Lower Upper
95 100
174 87.3 0.0 201.8
176 84.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076403.D
Acq: 13 Jun 2023 14:18

Tgt Ion: 117 Resp: 255091
Ion Ratio Lower Upper
117 100
82 56.4 38.3 57.5
119 32.6 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.521 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD076403.D

Acq: 13 Jun 2023 14:18

Instrument :

MSVOA_D

ClientSampleId :

GT-01RE

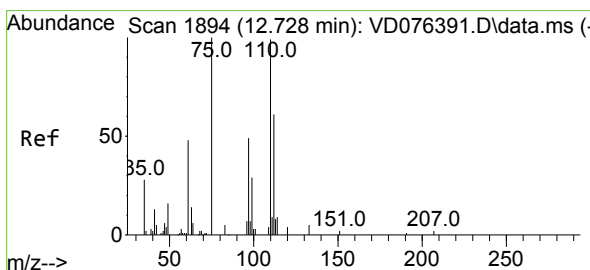
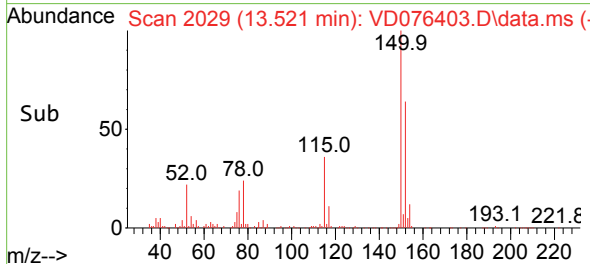
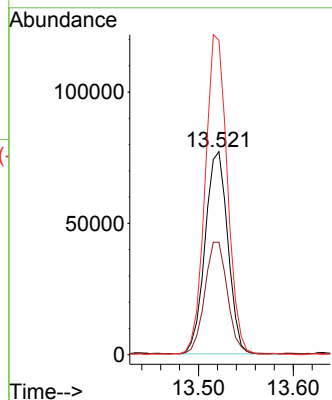
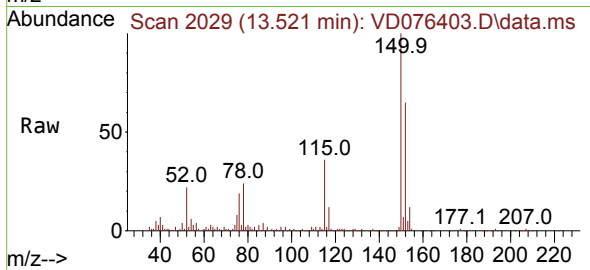
Tgt Ion:152 Resp: 128235

Ion Ratio Lower Upper

152 100

115 55.6 27.1 81.3

150 154.9 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 64.622 ug/l

RT: 12.574 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD076403.D

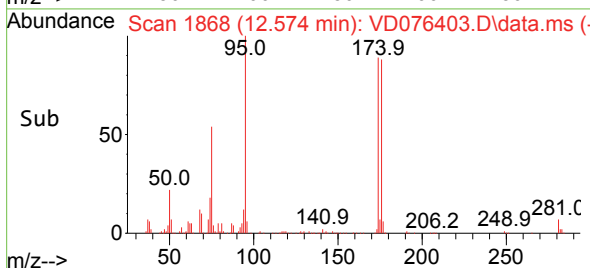
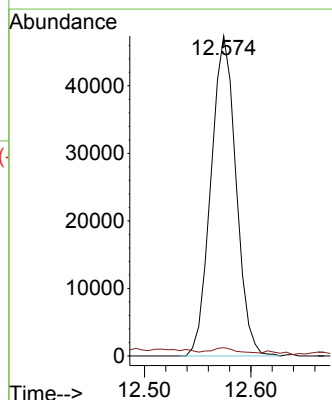
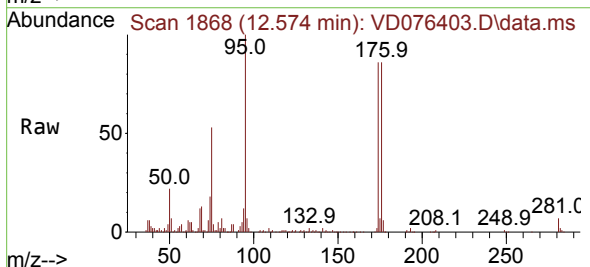
Acq: 13 Jun 2023 14:18

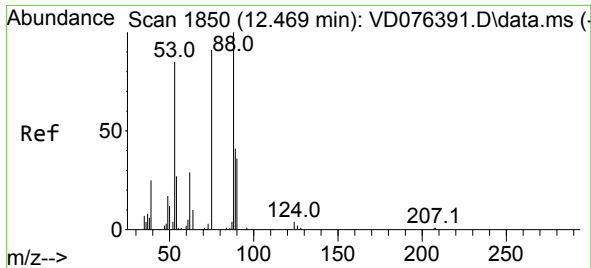
Tgt Ion: 75 Resp: 77471

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.701 ug/l
 RT: 12.574 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076403.D
 Acq: 13 Jun 2023 14:18

Instrument :
 MSVOA_D
 ClientSampleId :
 GT-01RE

Tgt Ion:	75	Resp:	77471
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.1	37.9	56.9#

