

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061323\
 Data File : VD076405.D
 Acq On : 13 Jun 2023 15:18
 Operator : KP/SY
 Sample : 03074-06RE
 Misc : 8.52G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GT-06RE

Quant Time: Jun 14 05:47:28 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)

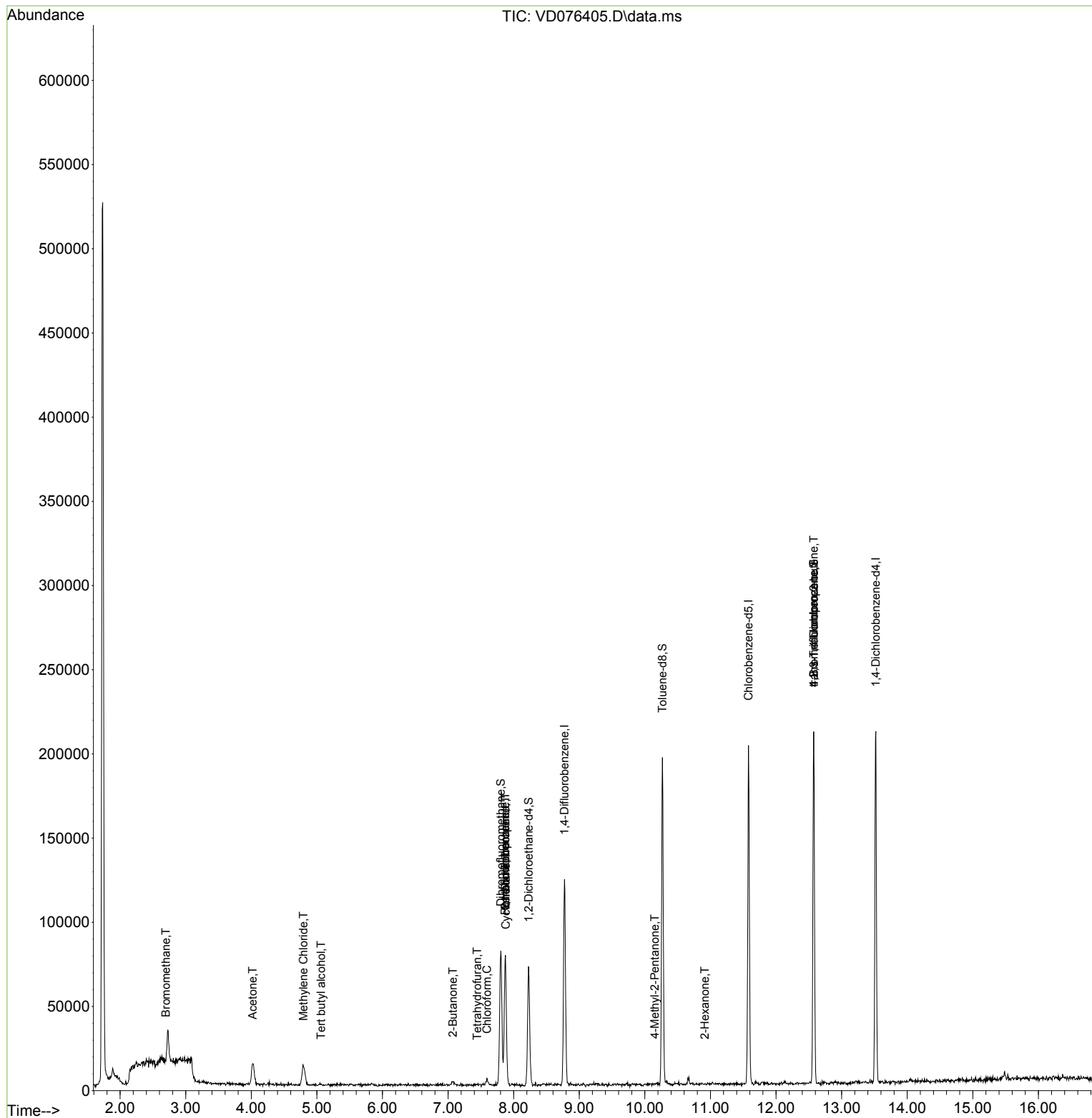
Internal Standards						
1) Pentafluorobenzene	7.869	168	58626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	108795	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	108108	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	55832	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	52115	76.962	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 153.920%			
35) Dibromofluoromethane	7.804	113	57454	81.709	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 163.420%#			
50) Toluene-d8	10.269	98	131678	49.416	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.840%			
62) 4-Bromofluorobenzene	12.575	95	63134	69.064	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 138.120%			
Target Compounds						Qvalue
5) Bromomethane	2.699	94	1165	2.343	ug/l #	62
11) Tert butyl alcohol	5.063	59	421	7.437	ug/l #	91
16) Acetone	4.022	43	24823	166.754	ug/l #	81
20) Methylene Chloride	4.793	84	8740	5.881	ug/l #	85
25) 2-Butanone	7.075	43	451	1.937	ug/l #	37
28) Bromochloromethane	7.422	49	122	Below Cal	#	45
29) Tetrahydrofuran	7.446	42	273	1.838	ug/l #	23
30) Chloroform	7.593	83	2674	2.071	ug/l	93
31) Cyclohexane	7.881	56	1904	1.757	ug/l #	54
36) 1,1-Dichloropropene	7.875	75	4874	4.749	ug/l #	49
38) Carbon Tetrachloride	7.875	117	5869	6.159	ug/l #	11
51) 4-Methyl-2-Pentanone	10.151	43	744	1.323	ug/l #	39
59) 2-Hexanone	10.916	43	803	2.038	ug/l #	48
76) 1,2,3-Trichloropropane	12.575	75	33991	65.122	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	33991	116.596	ug/l #	17

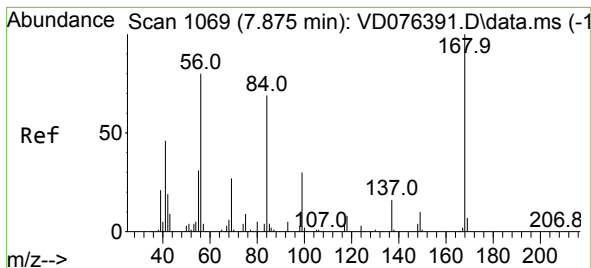
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 13 02:01:34 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD076405.D

Acq: 13 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

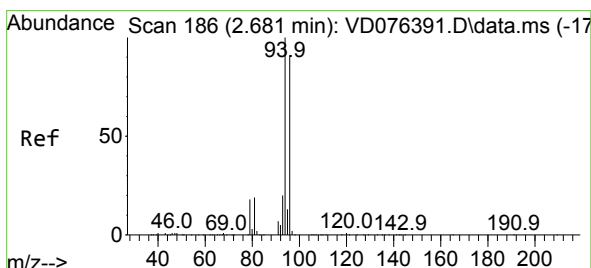
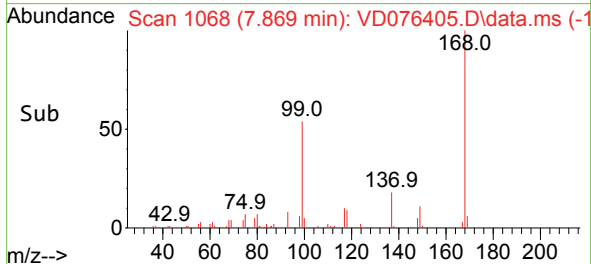
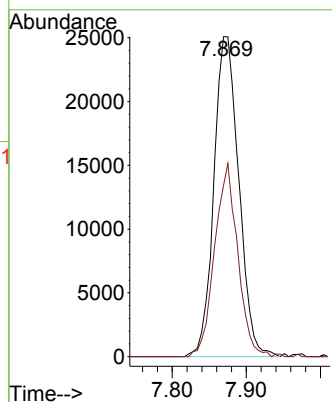
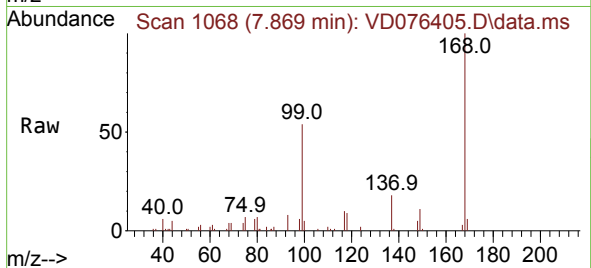
GT-06RE

Tgt Ion:168 Resp: 58626

Ion Ratio Lower Upper

168 100

99 53.6 36.7 55.1



#5

Bromomethane

Concen: 2.343 ug/l

RT: 2.699 min Scan# 189

Delta R.T. 0.018 min

Lab File: VD076405.D

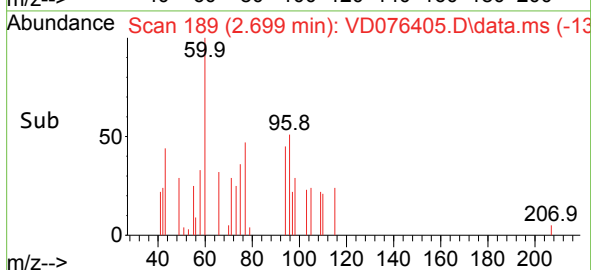
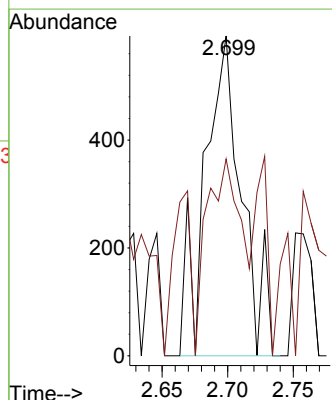
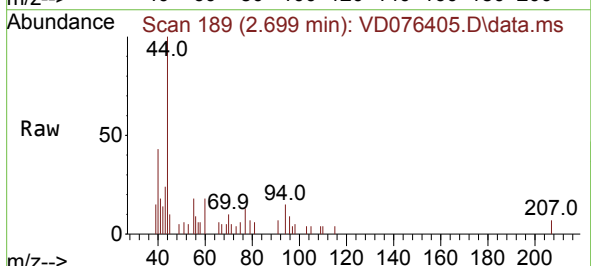
Acq: 13 Jun 2023 15:18

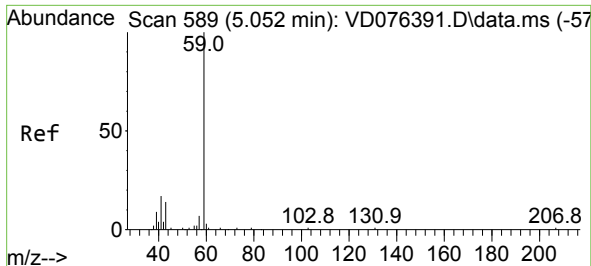
Tgt Ion: 94 Resp: 1165

Ion Ratio Lower Upper

94 100

96 58.0 75.8 113.8#





#11

Tert butyl alcohol

Concen: 7.437 ug/l

RT: 5.063 min Scan# 591

Delta R.T. 0.012 min

Lab File: VD076405.D

Acq: 13 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

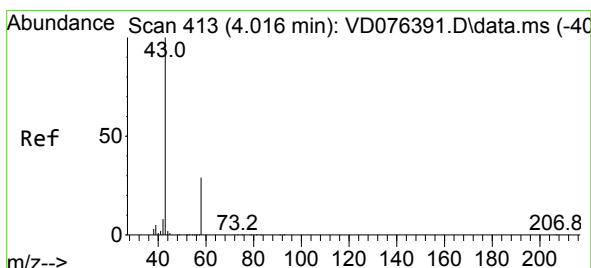
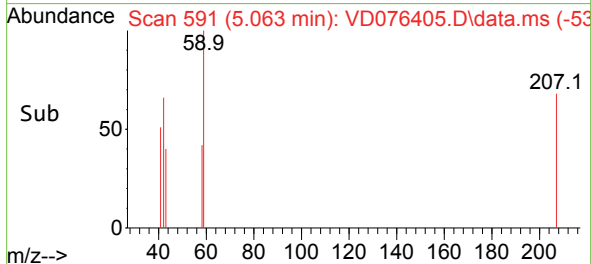
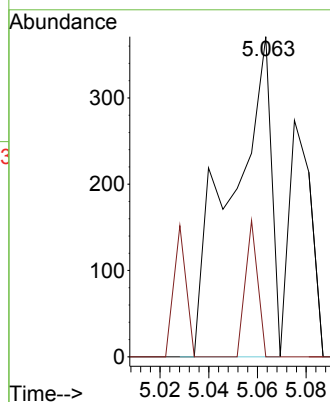
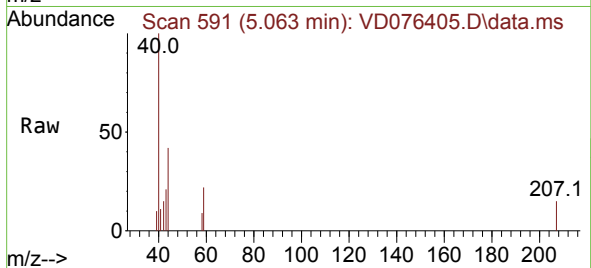
GT-06RE

Tgt Ion: 59 Resp: 421

Ion Ratio Lower Upper

59 100

57 13.3 7.8 11.8#



#16

Acetone

Concen: 166.754 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.006 min

Lab File: VD076405.D

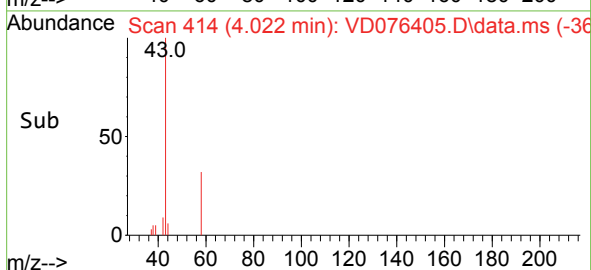
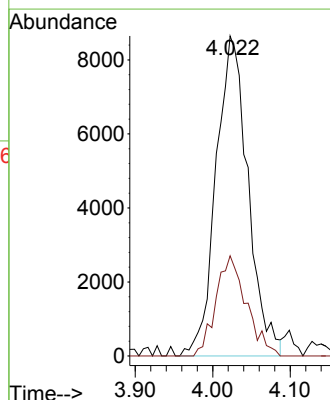
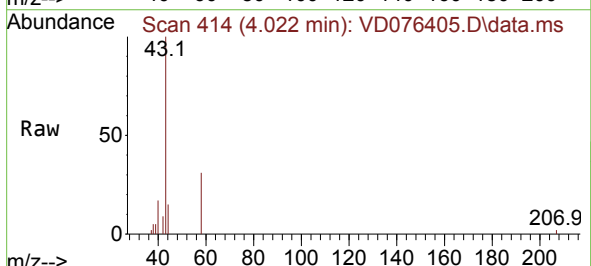
Acq: 13 Jun 2023 15:18

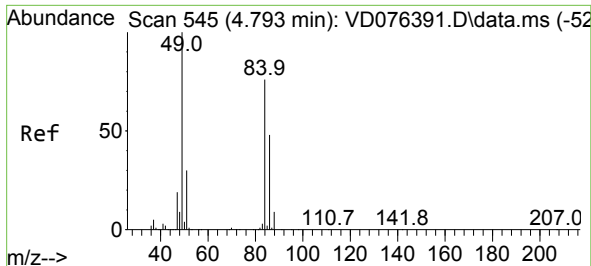
Tgt Ion: 43 Resp: 24823

Ion Ratio Lower Upper

43 100

58 31.3 34.7 52.1#

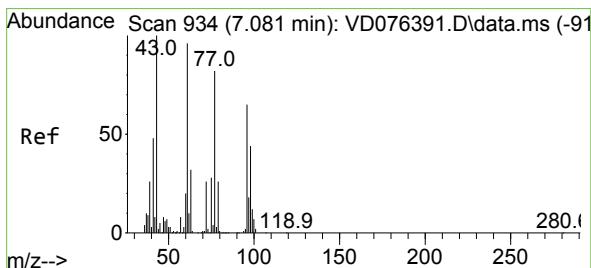
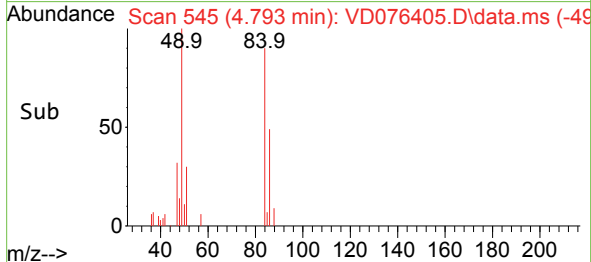
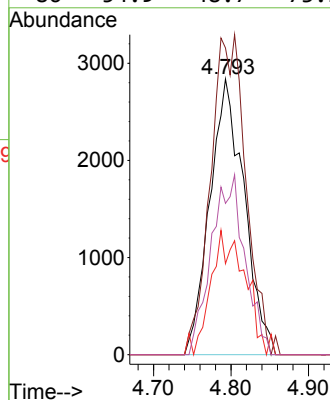
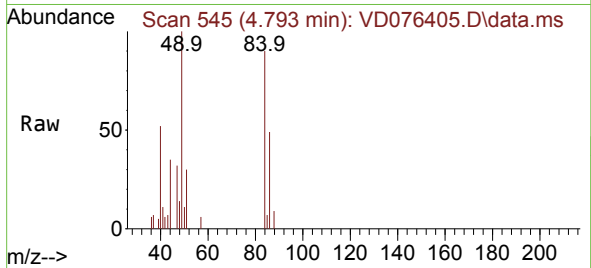




#20
Methylene Chloride
Concen: 5.881 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.000 min
Lab File: VD076405.D
Acq: 13 Jun 2023 15:18

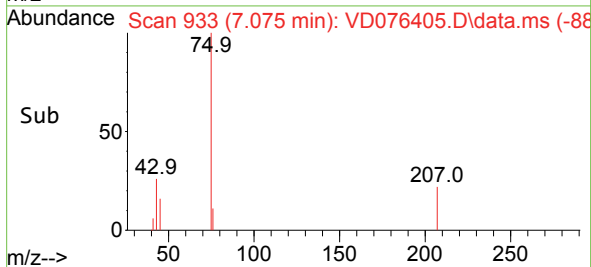
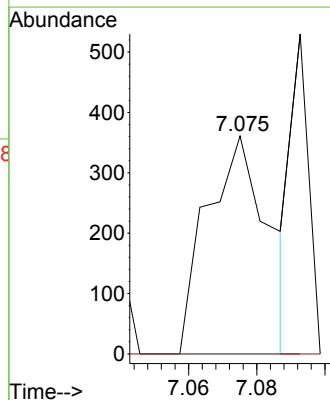
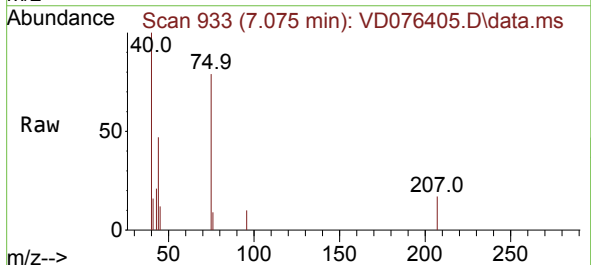
Instrument :
MSVOA_D
ClientSampleId :
GT-06RE

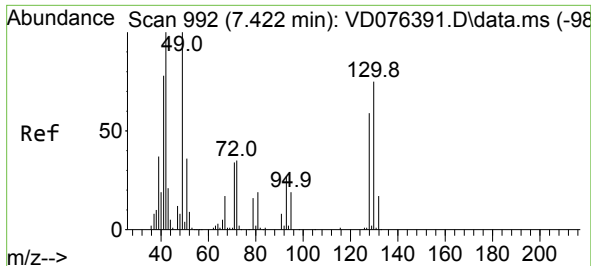
Tgt Ion:	84	Resp:	8740
Ion	Ratio	Lower	Upper
84	100		
49	111.3	71.4	107.2#
51	33.0	24.5	36.7
86	54.9	48.7	73.1



#25
2-Butanone
Concen: 1.937 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD076405.D
Acq: 13 Jun 2023 15:18

Tgt Ion:	43	Resp:	451
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: VD076405.D

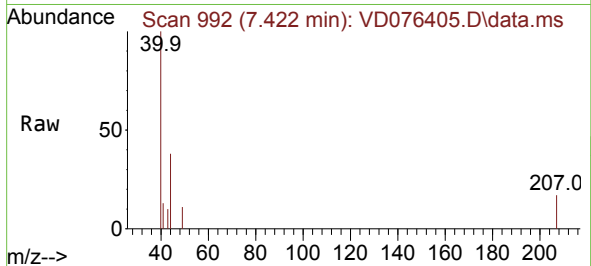
Acq: 13 Jun 2023 15:18

Instrument :

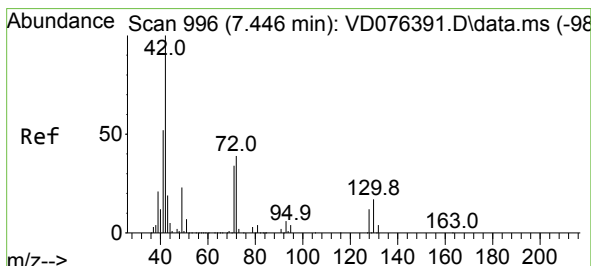
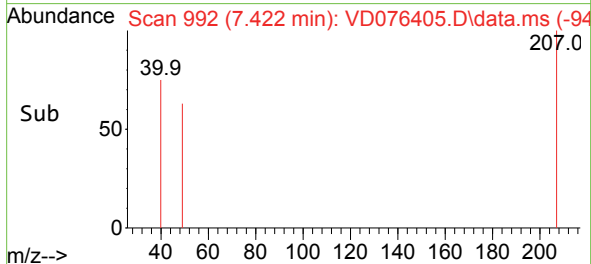
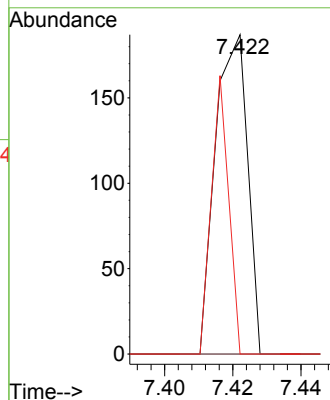
MSVOA_D

ClientSampleId :

GT-06RE



Tgt Ion:	49	Resp:	122
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	6.0
130	46.7	83.2	124.8#



#29

Tetrahydrofuran

Concen: 1.838 ug/l

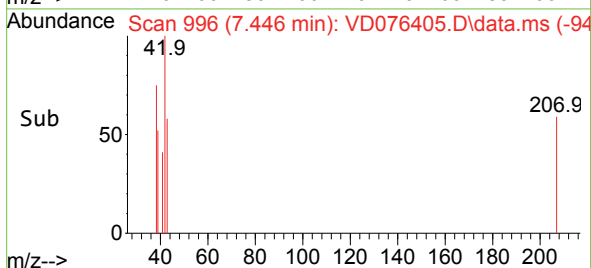
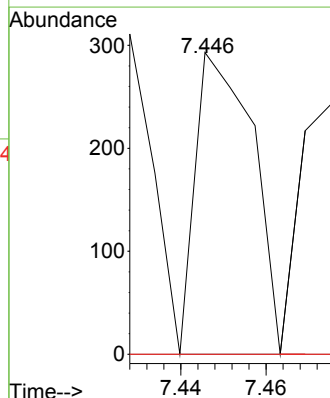
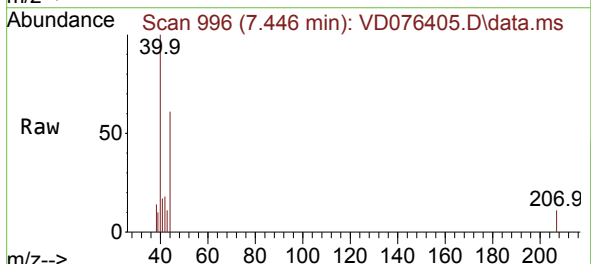
RT: 7.446 min Scan# 996

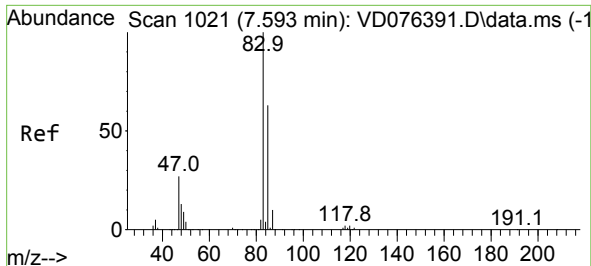
Delta R.T. 0.000 min

Lab File: VD076405.D

Acq: 13 Jun 2023 15:18

Tgt Ion:	42	Resp:	273
Ion	Ratio	Lower	Upper
42	100		
72	0.0	46.5	69.7#
71	0.0	44.5	66.7#





#30

Chloroform

Concen: 2.071 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD076405.D

Acq: 13 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

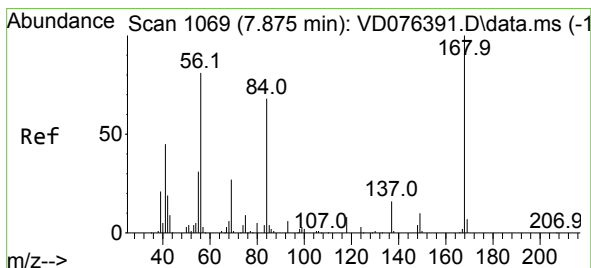
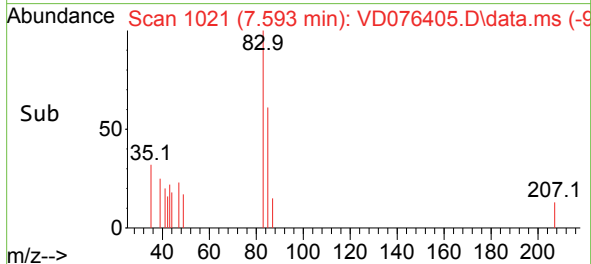
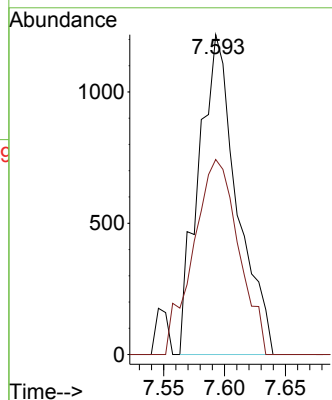
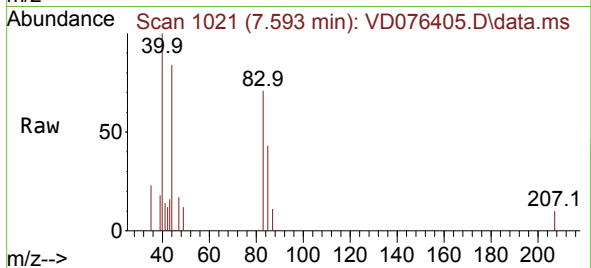
GT-06RE

Tgt Ion: 83 Resp: 2674

Ion Ratio Lower Upper

83 100

85 61.0 53.4 80.2



#31

Cyclohexane

Concen: 1.757 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD076405.D

Acq: 13 Jun 2023 15:18

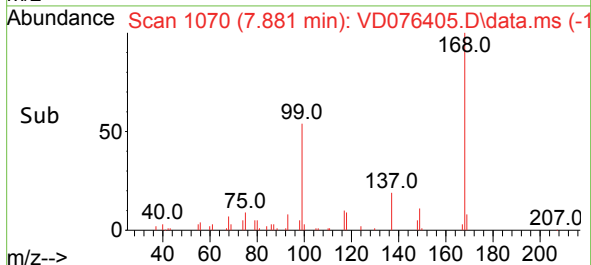
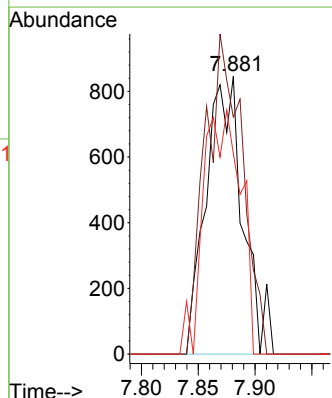
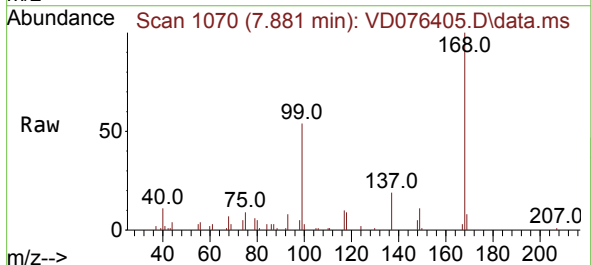
Tgt Ion: 56 Resp: 1904

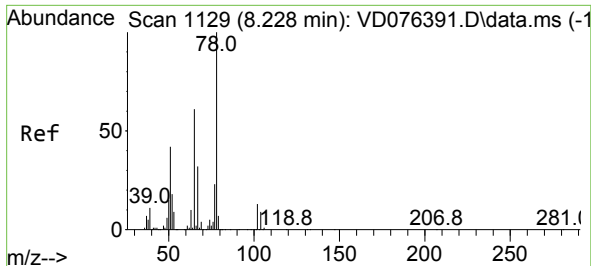
Ion Ratio Lower Upper

56 100

69 85.3 28.6 43.0#

84 72.2 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 76.962 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076405.D

Acq: 13 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

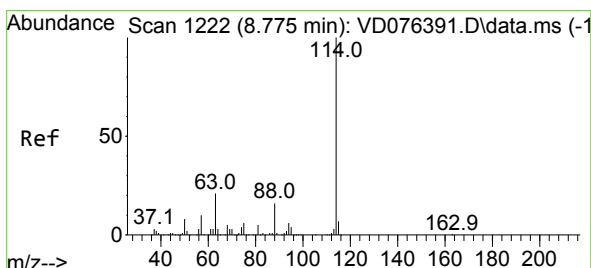
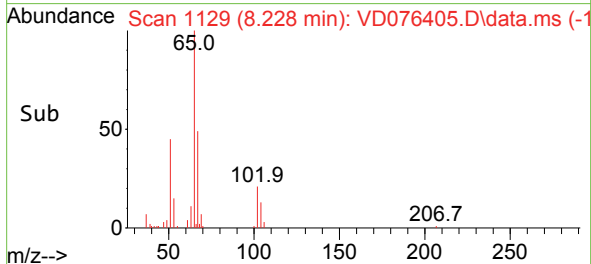
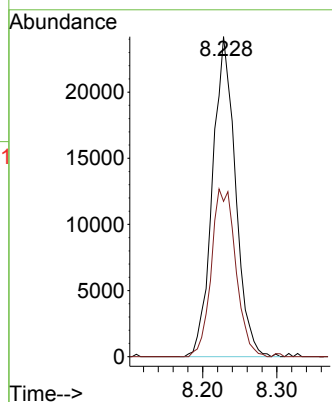
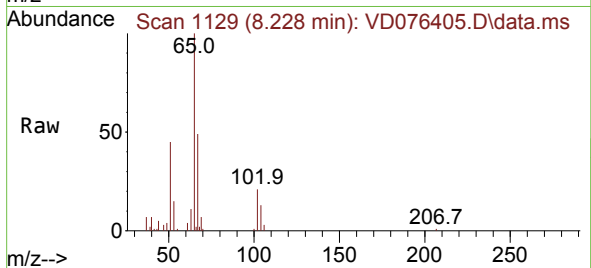
GT-06RE

Tgt Ion: 65 Resp: 52115

Ion Ratio Lower Upper

65 100

67 55.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076405.D

Acq: 13 Jun 2023 15:18

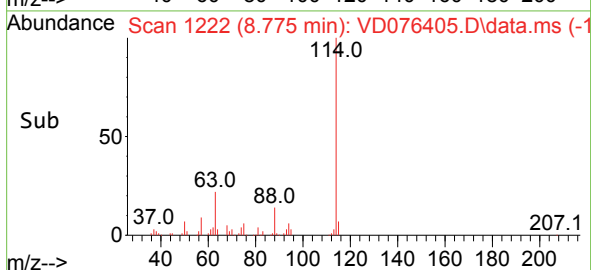
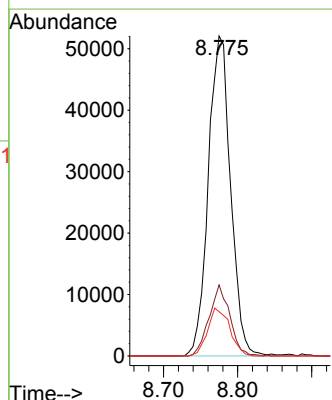
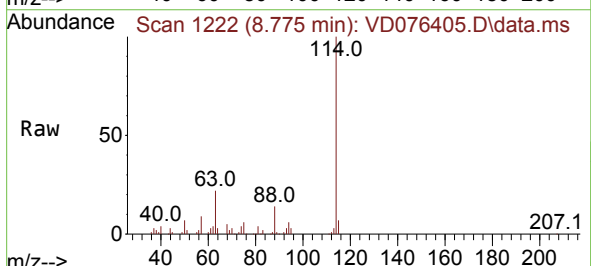
Tgt Ion: 114 Resp: 108795

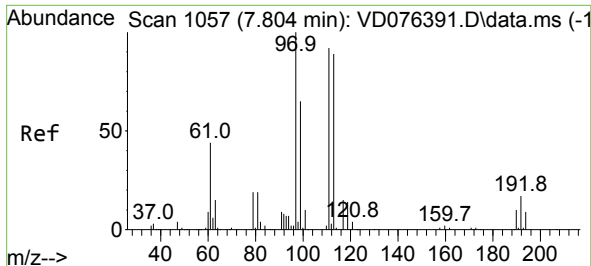
Ion Ratio Lower Upper

114 100

63 22.2 0.0 33.4

88 13.8 0.0 26.2

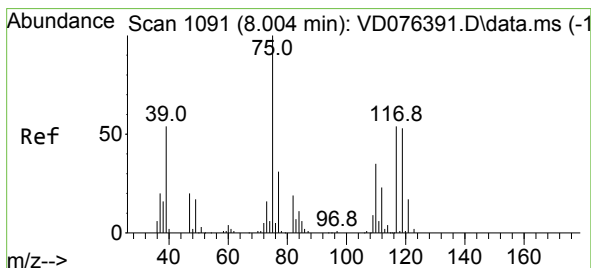
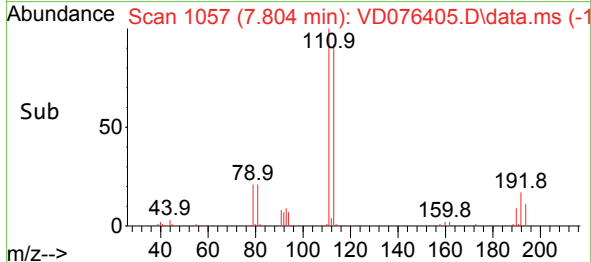
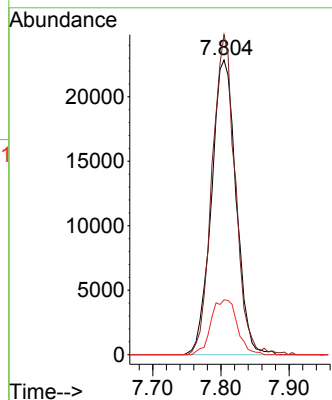
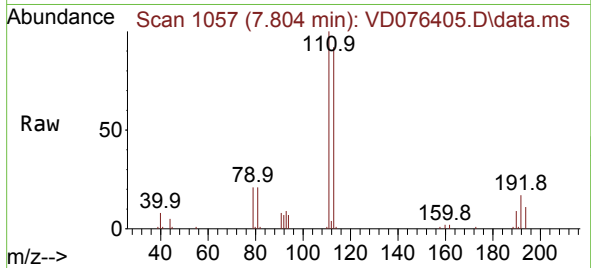




#35
Dibromofluoromethane
Concen: 81.709 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076405.D
Acq: 13 Jun 2023 15:18

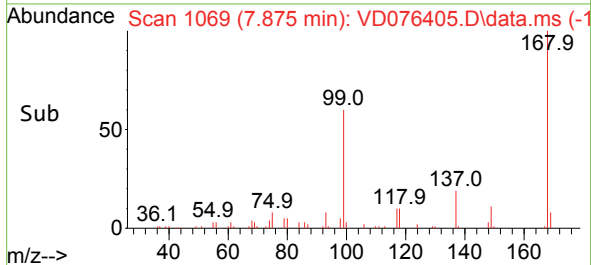
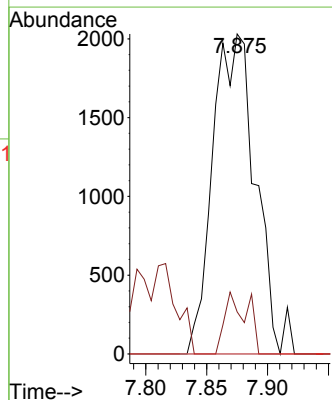
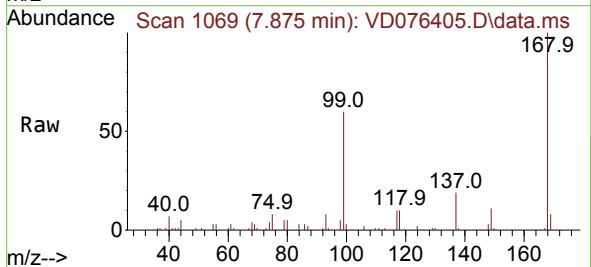
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GT-06RE

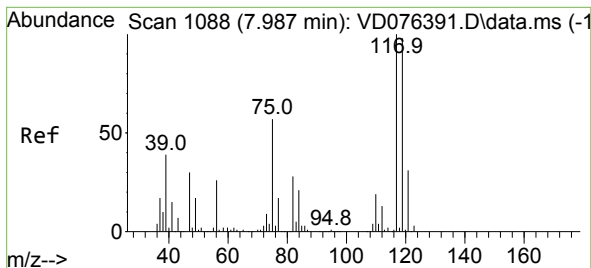
Tgt Ion:113 Resp: 57454
Ion Ratio Lower Upper
113 100
111 102.2 84.7 127.1
192 19.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.749 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD076405.D
Acq: 13 Jun 2023 15:18

Tgt Ion: 75 Resp: 4874
Ion Ratio Lower Upper
75 100
110 10.3 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.159 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD076405.D

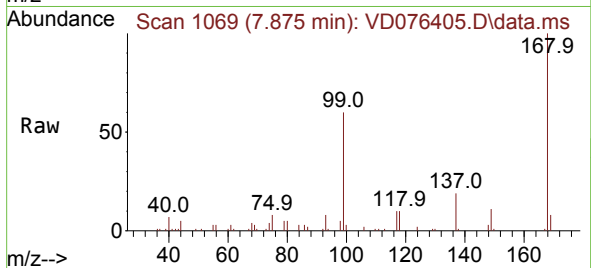
Acq: 13 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

GT-06RE



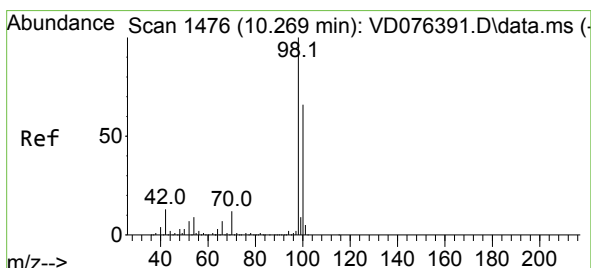
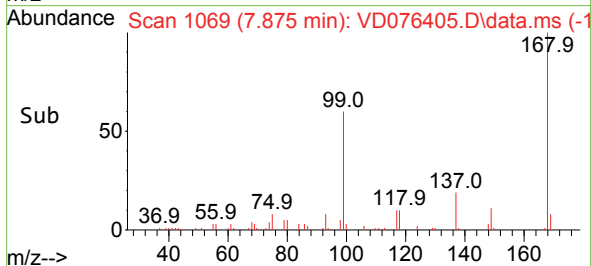
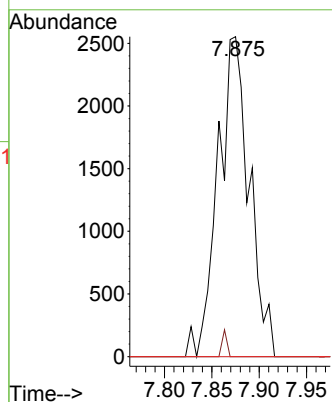
Tgt Ion:117 Resp: 5869

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.416 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076405.D

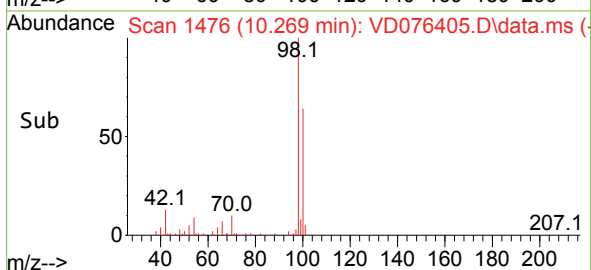
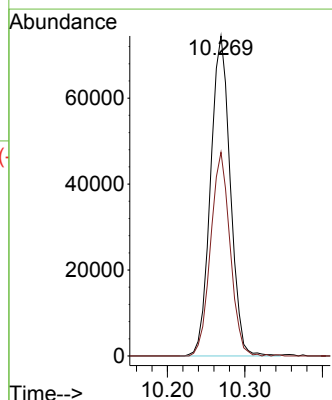
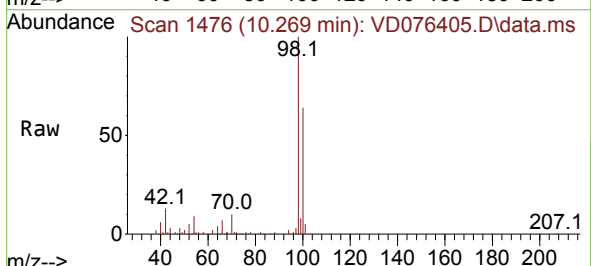
Acq: 13 Jun 2023 15:18

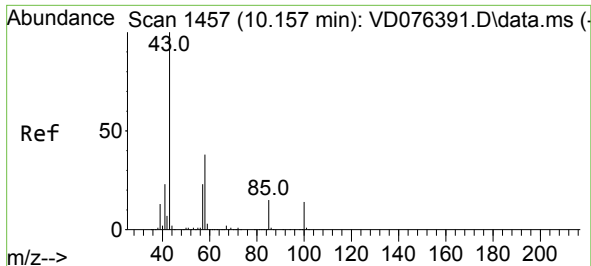
Tgt Ion: 98 Resp: 131678

Ion Ratio Lower Upper

98 100

100 62.6 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 1.323 ug/l

RT: 10.151 min Scan# 1456

Delta R.T. -0.006 min

Lab File: VD076405.D

Acq: 13 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

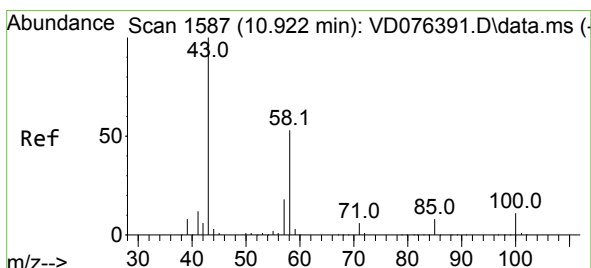
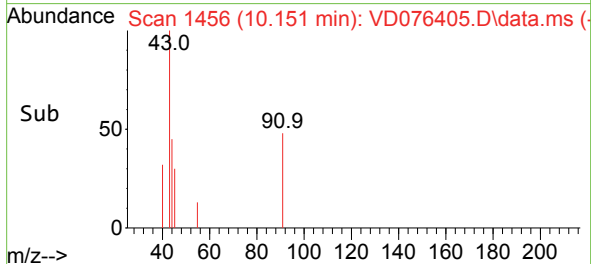
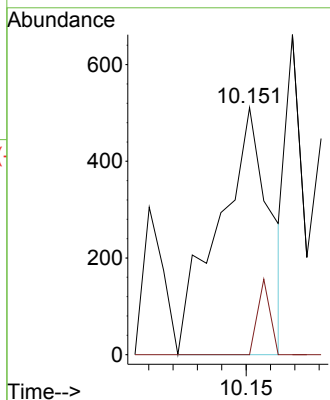
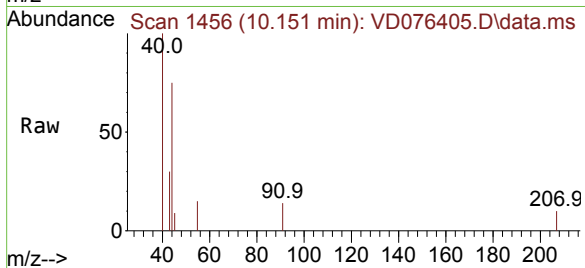
GT-06RE

Tgt Ion: 43 Resp: 744

Ion Ratio Lower Upper

43 100

58 7.4 38.9 58.3#



#59

2-Hexanone

Concen: 2.038 ug/l

RT: 10.916 min Scan# 1586

Delta R.T. -0.006 min

Lab File: VD076405.D

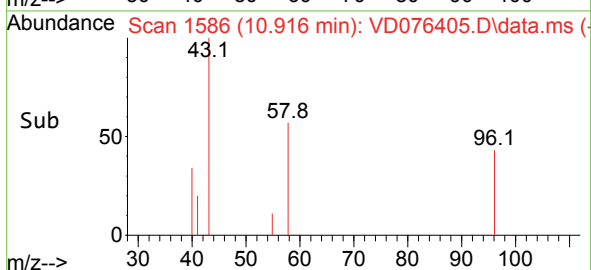
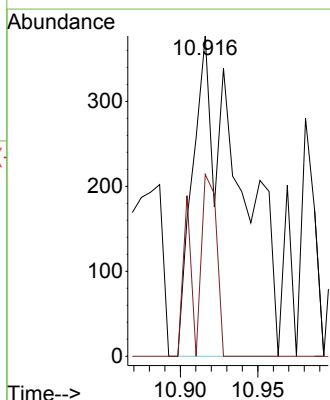
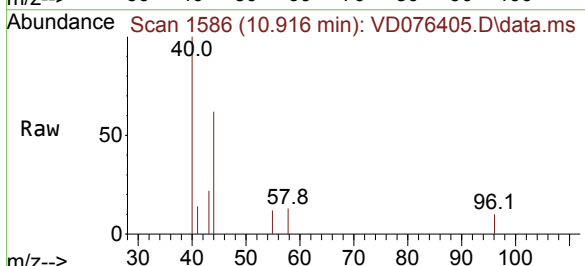
Acq: 13 Jun 2023 15:18

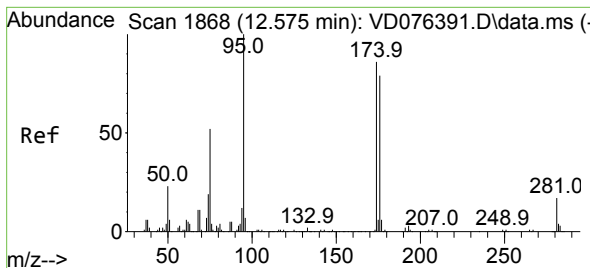
Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

58 26.2 34.1 102.2#

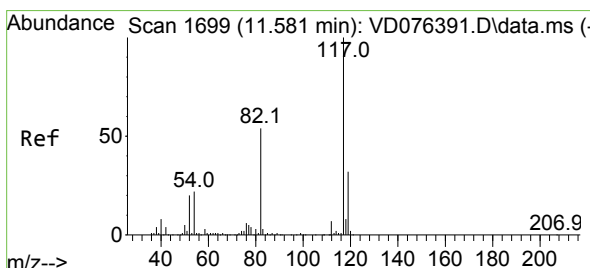
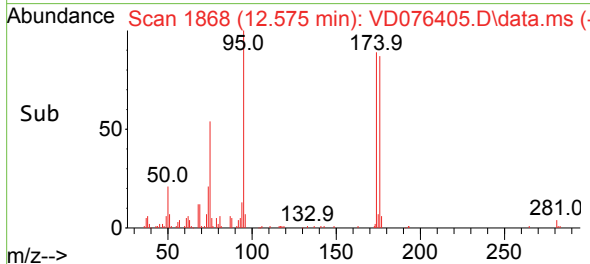
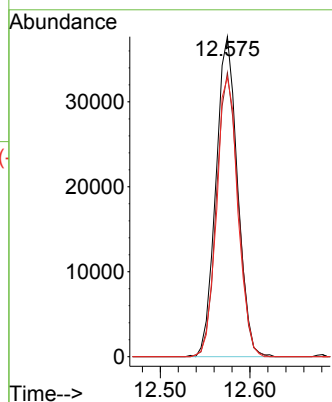
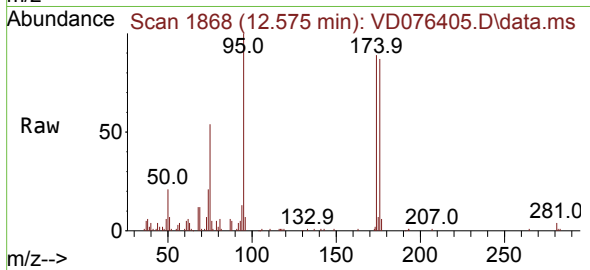




#62
4-Bromofluorobenzene
Concen: 69.064 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076405.D
Acq: 13 Jun 2023 15:18

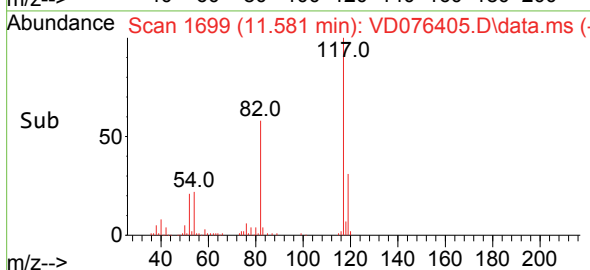
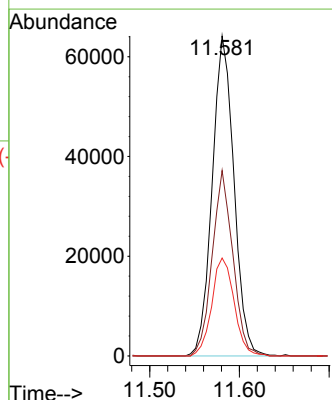
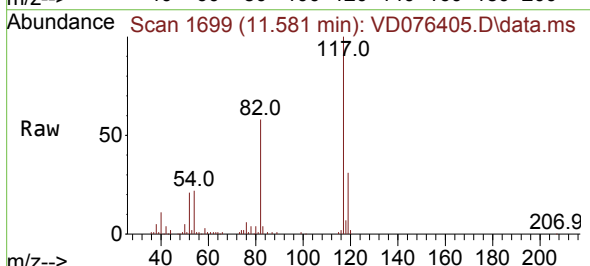
Instrument :
MSVOA_D
ClientSampleId :
GT-06RE

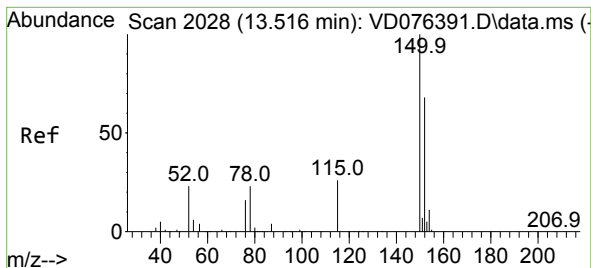
Tgt Ion: 95 Resp: 63134
Ion Ratio Lower Upper
95 100
174 88.1 0.0 201.8
176 85.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076405.D
Acq: 13 Jun 2023 15:18

Tgt Ion: 117 Resp: 108108
Ion Ratio Lower Upper
117 100
82 58.0 38.3 57.5#
119 30.6 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD076405.D

Acq: 13 Jun 2023 15:18

Instrument :

MSVOA_D

ClientSampleId :

GT-06RE

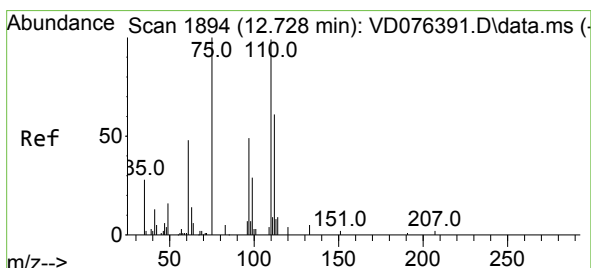
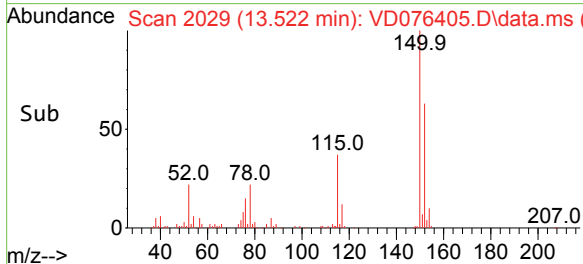
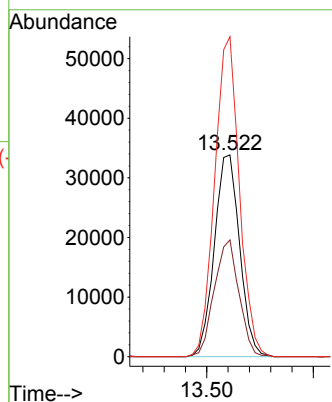
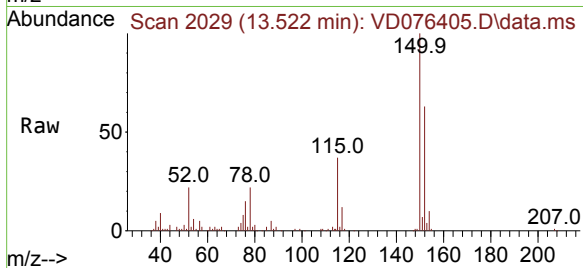
Tgt Ion:152 Resp: 55832

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

150 154.7 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 65.122 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD076405.D

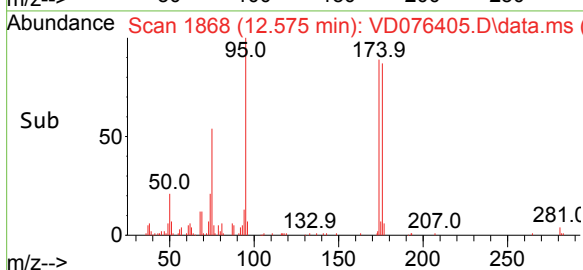
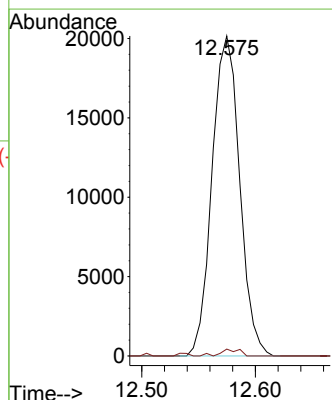
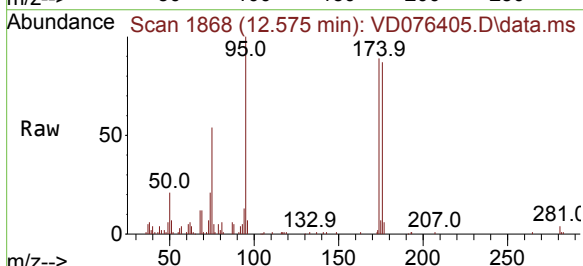
Acq: 13 Jun 2023 15:18

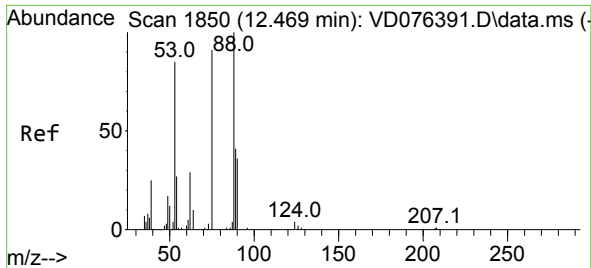
Tgt Ion: 75 Resp: 33991

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.596 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076405.D
 Acq: 13 Jun 2023 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 GT-06RE

Tgt Ion:	75	Resp:	33991
Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.0	94.4#
89	0.0	37.9	56.9#

