

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061323\
 Data File : VD076404.D
 Acq On : 13 Jun 2023 14:48
 Operator : KP/SY
 Sample : 03074-02RE
 Misc : 6.16G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GT-02RE

Quant Time: Jun 14 05:47:07 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)

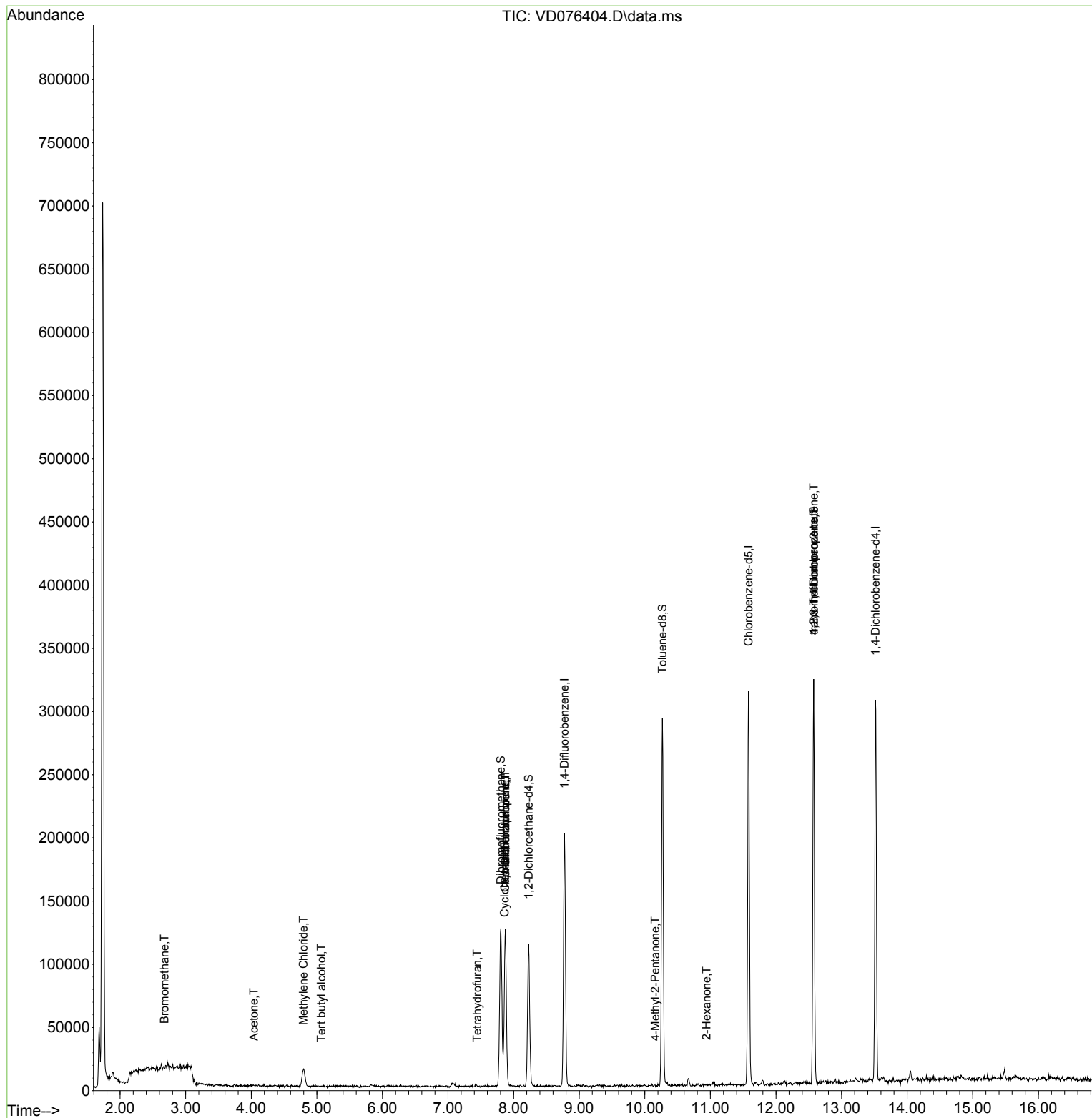
Internal Standards						
1) Pentafluorobenzene	7.875	168	95068	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	178794	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	173029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	80918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	84496	76.950	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.900%	
35) Dibromofluoromethane	7.805	113	91793	79.435	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 158.880%#	
50) Toluene-d8	10.269	98	196777	44.935	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 89.880%	
62) 4-Bromofluorobenzene	12.575	95	98367	65.478	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 130.960%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.675	94	1299	1.611	ug/l #	63
11) Tert butyl alcohol	5.069	59	184	2.004	ug/l #	73
16) Acetone	4.040	43	1634	6.769	ug/l #	32
20) Methylene Chloride	4.793	84	10060	2.295	ug/l #	86
28) Bromochloromethane	7.422	49	227	Below Cal	#	1
29) Tetrahydrofuran	7.446	42	351	1.457	ug/l #	23
31) Cyclohexane	7.863	56	2499	1.422	ug/l #	44
36) 1,1-Dichloropropene	7.875	75	7518	4.457	ug/l #	47
38) Carbon Tetrachloride	7.869	117	9449	6.034	ug/l #	15
51) 4-Methyl-2-Pentanone	10.157	43	969	1.049	ug/l #	28
59) 2-Hexanone	10.940	43	918	1.418	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	50798	67.150	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	50798	120.228	ug/l #	17

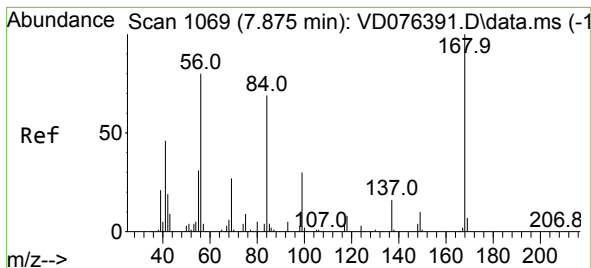
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 13 02:01:34 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076404.D

Acq: 13 Jun 2023 14:48

Instrument :

MSVOA_D

ClientSampleId :

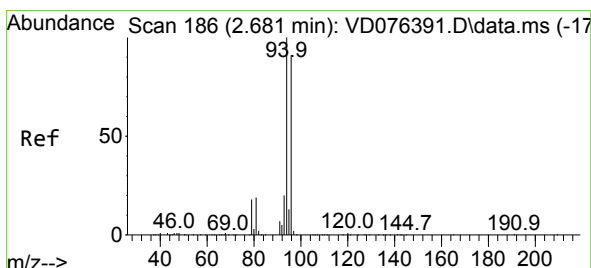
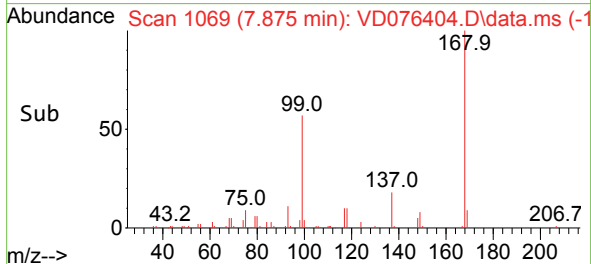
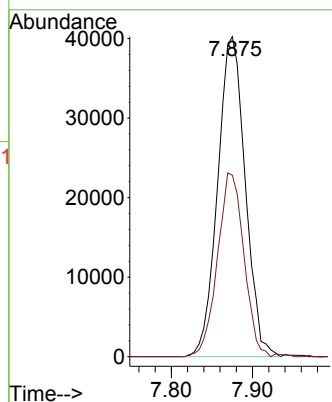
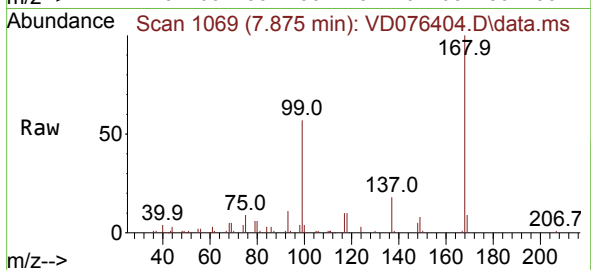
GT-02RE

Tgt Ion:168 Resp: 95068

Ion Ratio Lower Upper

168 100

99 56.7 36.7 55.1#



#5

Bromomethane

Concen: 1.611 ug/l

RT: 2.675 min Scan# 185

Delta R.T. -0.006 min

Lab File: VD076404.D

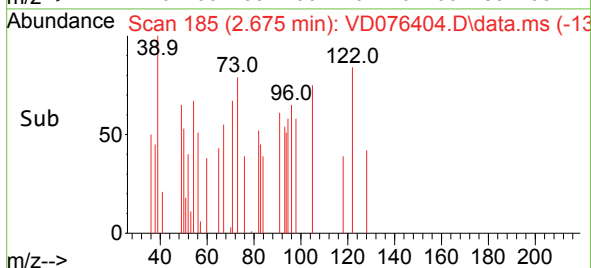
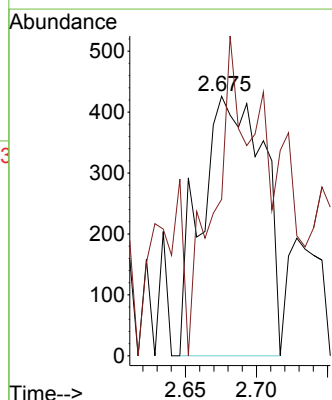
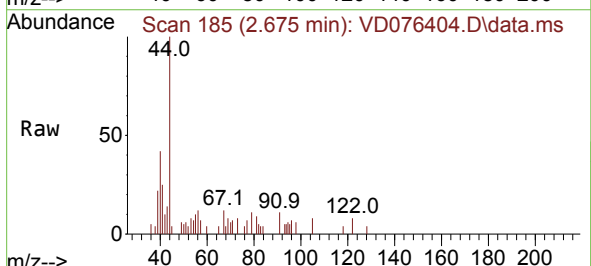
Acq: 13 Jun 2023 14:48

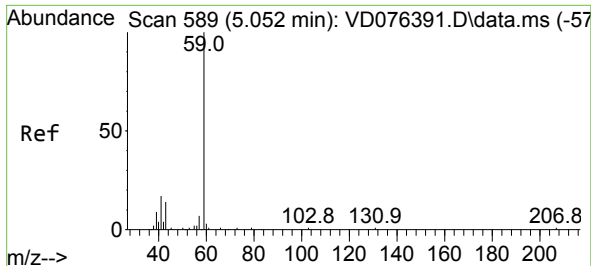
Tgt Ion: 94 Resp: 1299

Ion Ratio Lower Upper

94 100

96 58.8 75.8 113.8#





#11

Tert butyl alcohol

Concen: 2.004 ug/l

RT: 5.069 min Scan# 591

Delta R.T. 0.018 min

Lab File: VD076404.D

Acq: 13 Jun 2023 14:48

Instrument :

MSVOA_D

ClientSampleId :

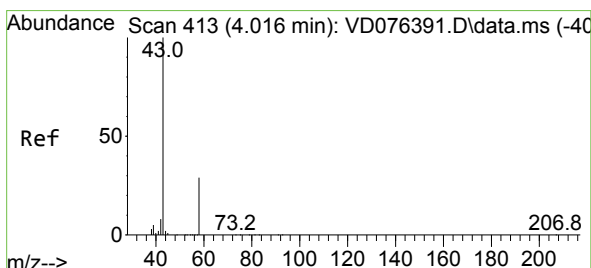
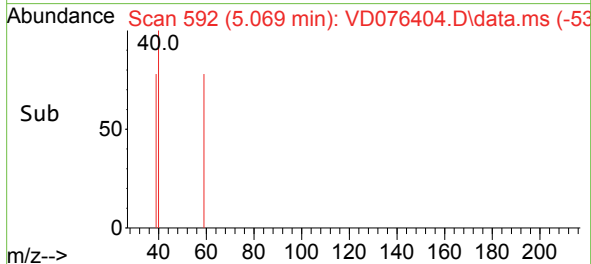
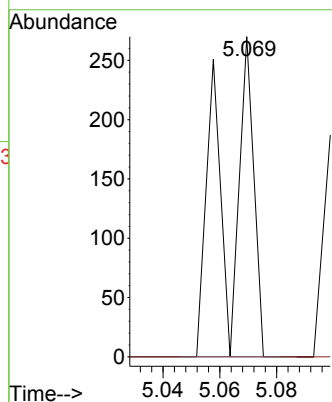
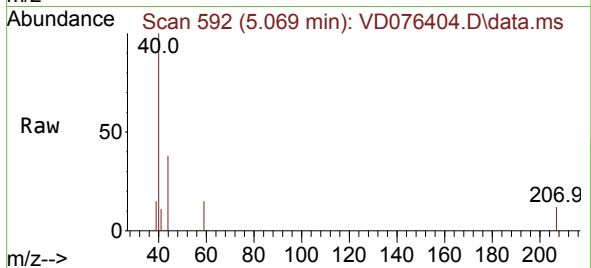
GT-02RE

Tgt Ion: 59 Resp: 184

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 6.769 ug/l

RT: 4.040 min Scan# 417

Delta R.T. 0.024 min

Lab File: VD076404.D

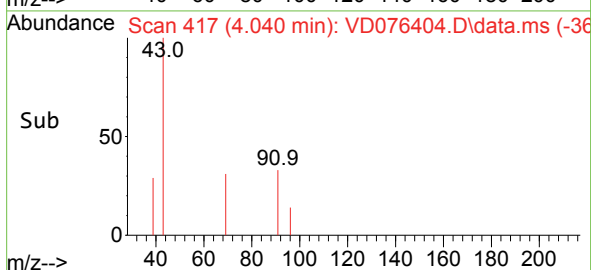
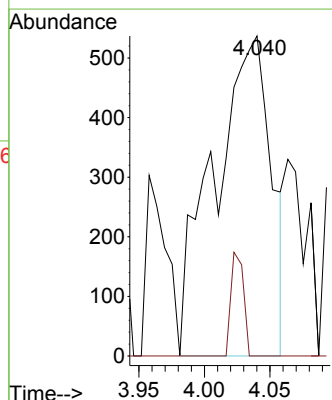
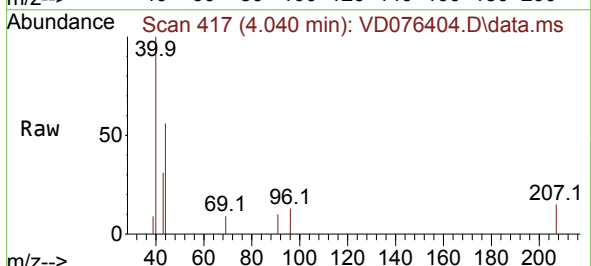
Acq: 13 Jun 2023 14:48

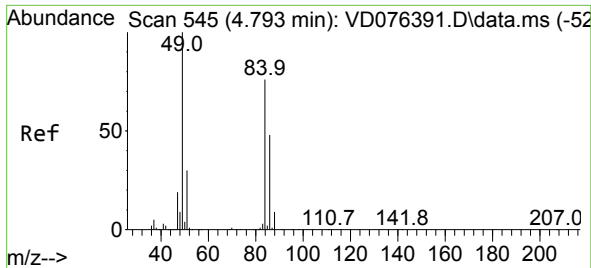
Tgt Ion: 43 Resp: 1634

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#

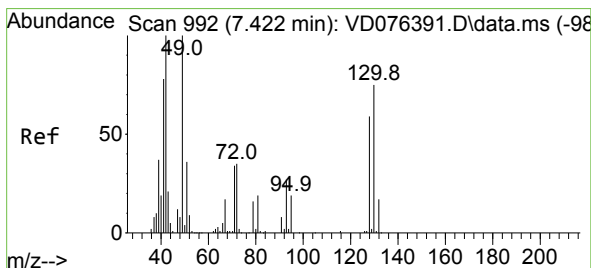
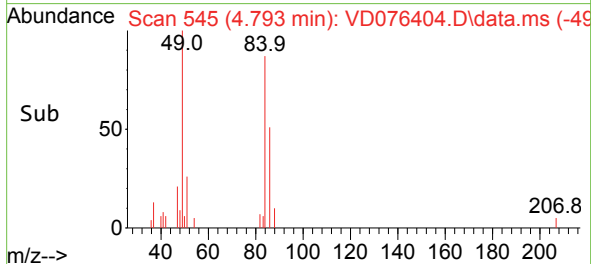
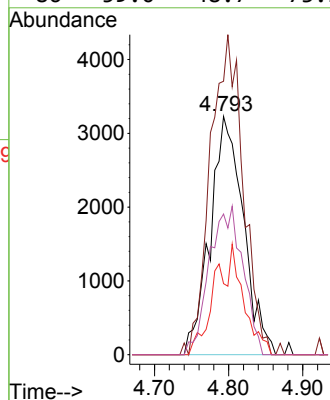
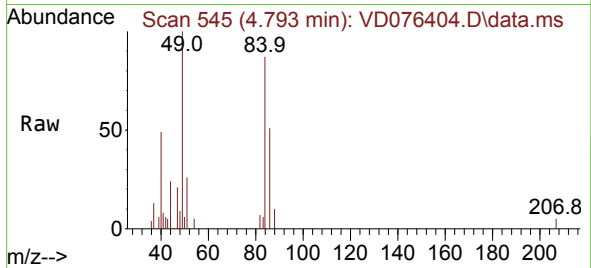




#20
Methylene Chloride
Concen: 2.295 ug/l
RT: 4.793 min Scan# 545
Delta R.T. 0.000 min
Lab File: VD076404.D
Acq: 13 Jun 2023 14:48

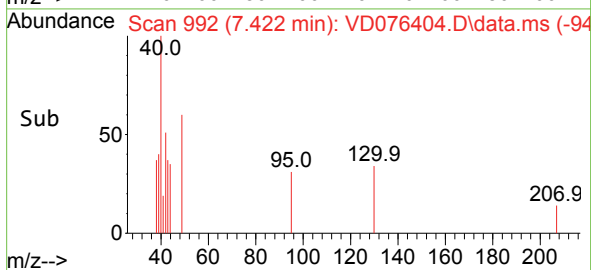
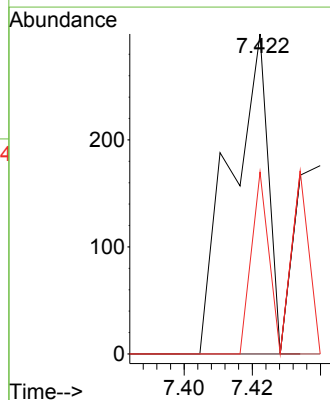
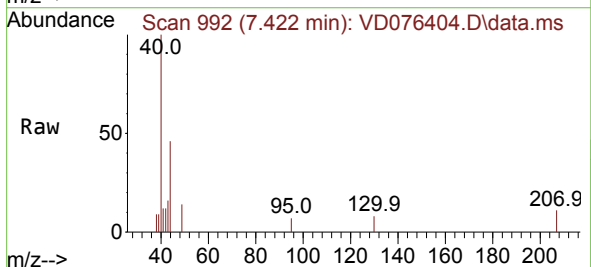
Instrument :
MSVOA_D
ClientSampleId :
GT-02RE

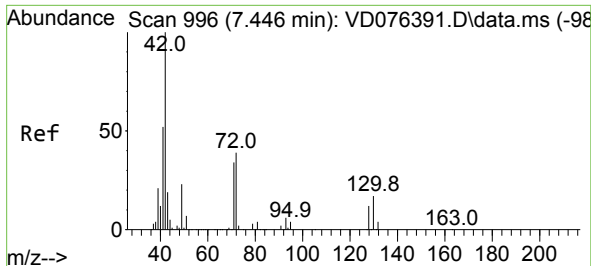
Tgt Ion: 84 Resp: 10060
Ion Ratio Lower Upper
84 100
49 114.7 71.4 107.2#
51 29.9 24.5 36.7
86 59.0 48.7 73.1



#28
Bromochloromethane
Concen: Below Cal
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD076404.D
Acq: 13 Jun 2023 14:48

Tgt Ion: 49 Resp: 227
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 1.457 ug/l

RT: 7.446 min Scan# 996

Delta R.T. 0.000 min

Lab File: VD076404.D

Acq: 13 Jun 2023 14:48

Instrument :

MSVOA_D

ClientSampleId :

GT-02RE

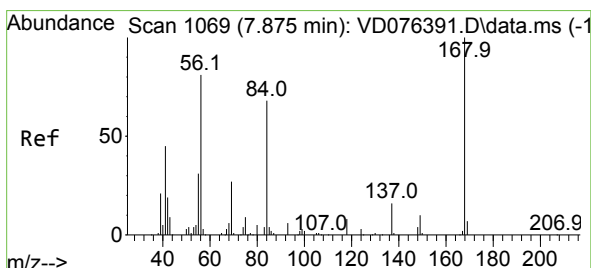
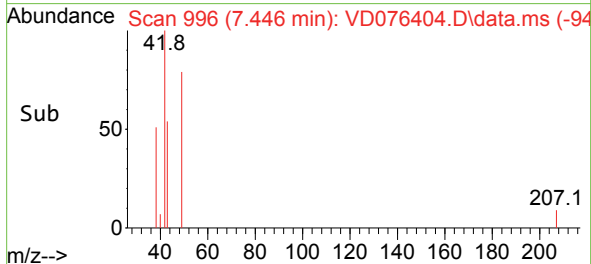
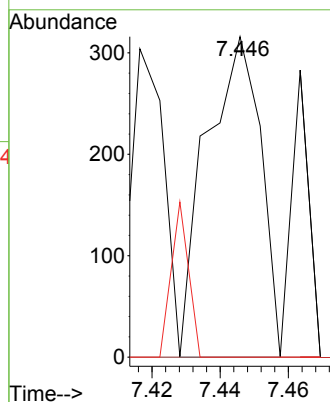
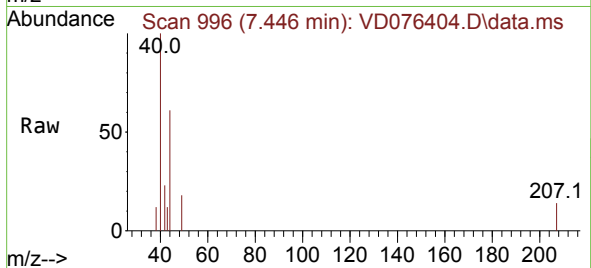
Tgt Ion: 42 Resp: 351

Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 0.0 44.5 66.7#



#31

Cyclohexane

Concen: 1.422 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.011 min

Lab File: VD076404.D

Acq: 13 Jun 2023 14:48

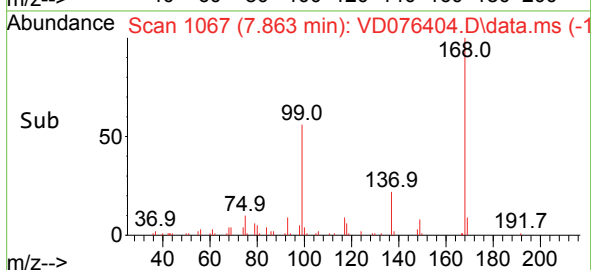
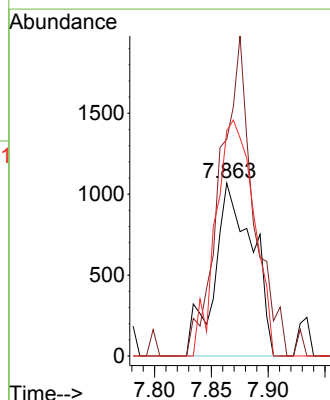
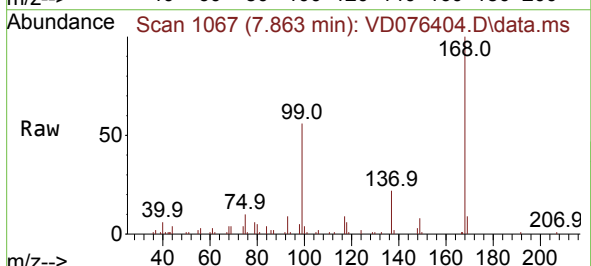
Tgt Ion: 56 Resp: 2499

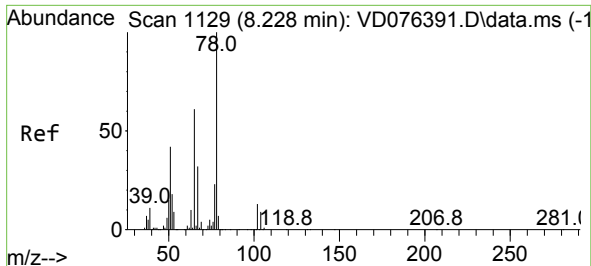
Ion Ratio Lower Upper

56 100

69 125.4 28.6 43.0#

84 130.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 76.950 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076404.D

Acq: 13 Jun 2023 14:48

Instrument :

MSVOA_D

ClientSampleId :

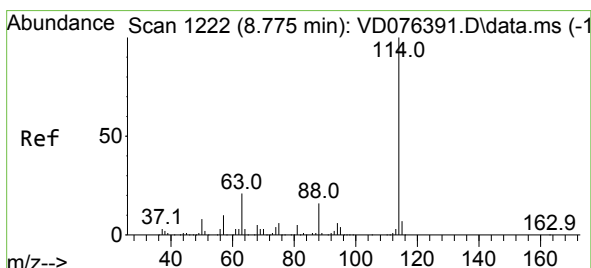
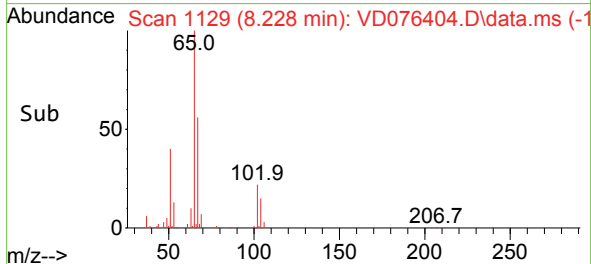
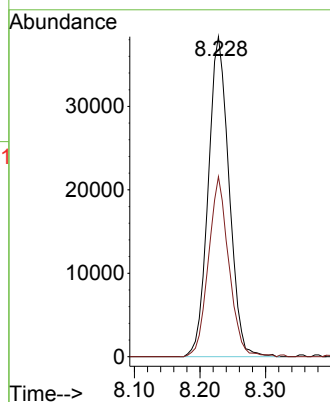
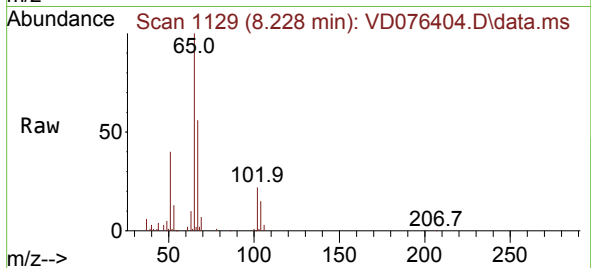
GT-02RE

Tgt Ion: 65 Resp: 84496

Ion Ratio Lower Upper

65 100

67 55.2 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: VD076404.D

Acq: 13 Jun 2023 14:48

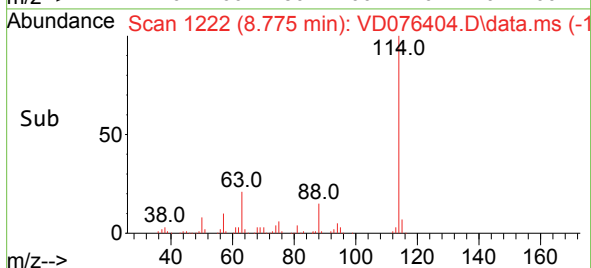
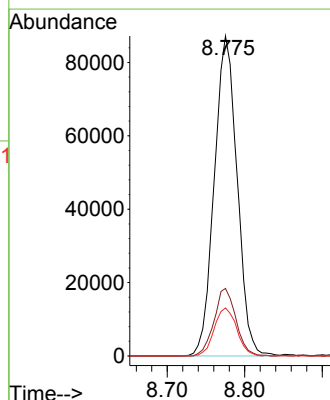
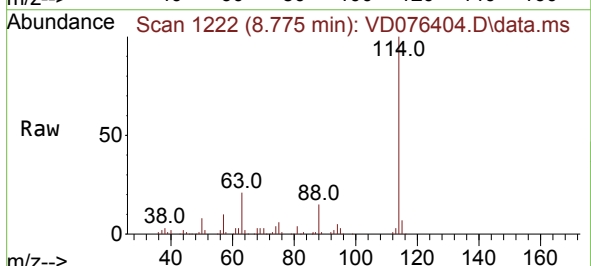
Tgt Ion: 114 Resp: 178794

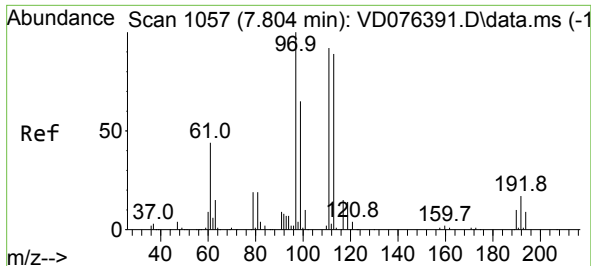
Ion Ratio Lower Upper

114 100

63 21.1 0.0 33.4

88 15.0 0.0 26.2

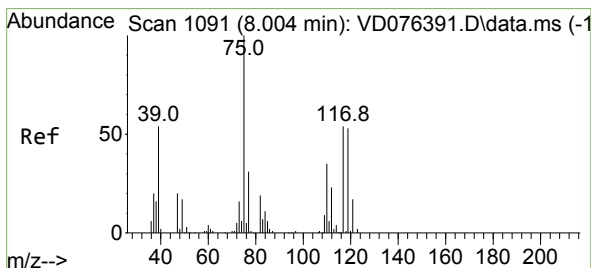
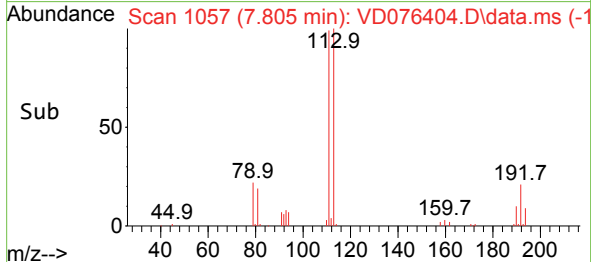
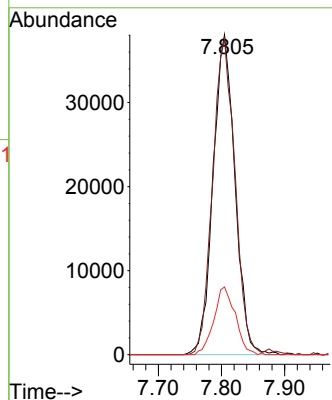
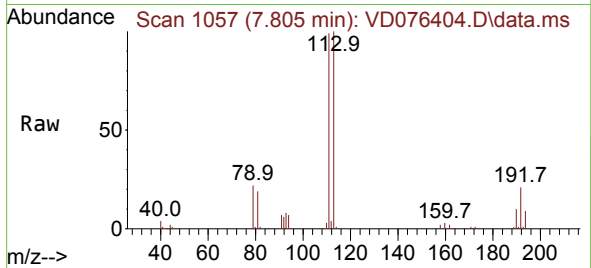




#35
Dibromofluoromethane
Concen: 79.435 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD076404.D
Acq: 13 Jun 2023 14:48

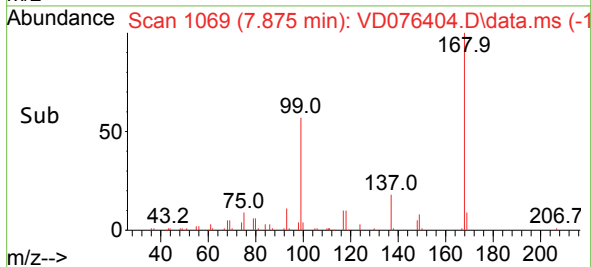
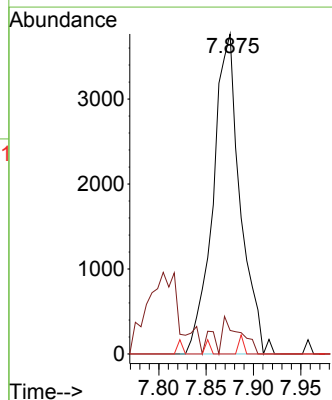
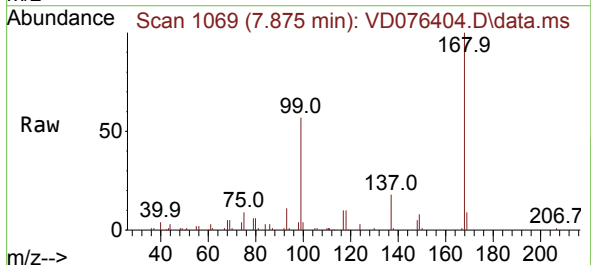
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MSVOA_D
ClientSampleId :
GT-02RE

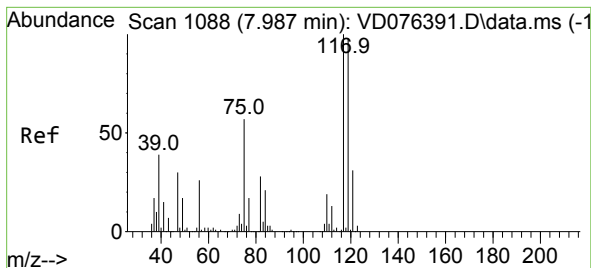
Tgt Ion:113 Resp: 91793
Ion Ratio Lower Upper
113 100
111 100.3 84.7 127.1
192 20.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.457 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD076404.D
Acq: 13 Jun 2023 14:48

Tgt Ion: 75 Resp: 7518
Ion Ratio Lower Upper
75 100
110 7.4 19.9 59.6#
77 1.1 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 6.034 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.117 min

Lab File: VD076404.D

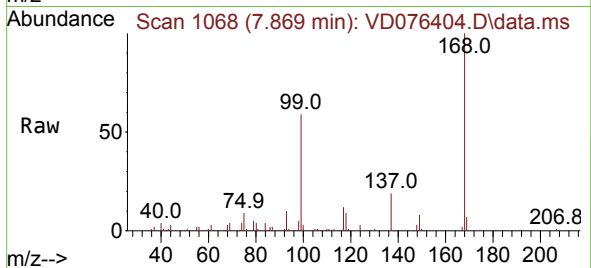
Acq: 13 Jun 2023 14:48

Instrument :

MSVOA_D

ClientSampleId :

GT-02RE



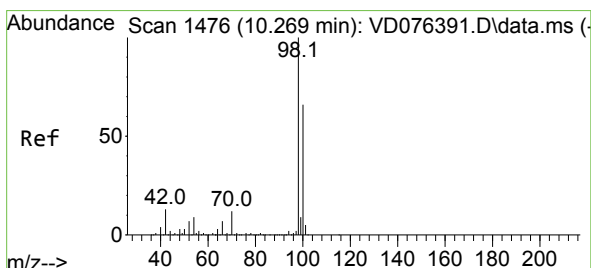
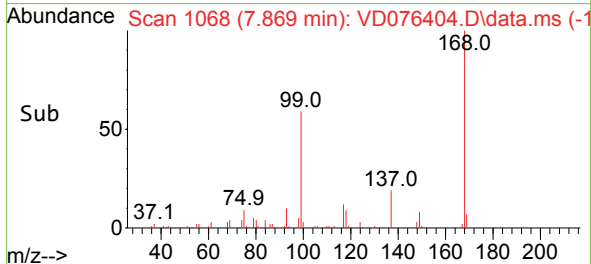
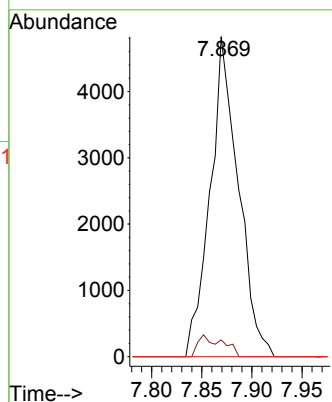
Tgt Ion:117 Resp: 9449

Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 44.935 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076404.D

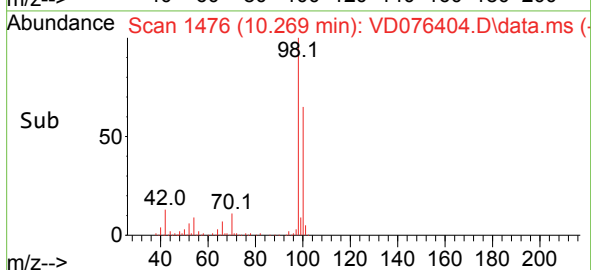
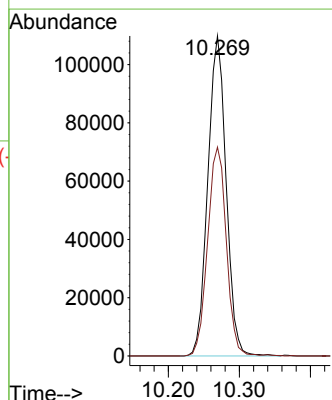
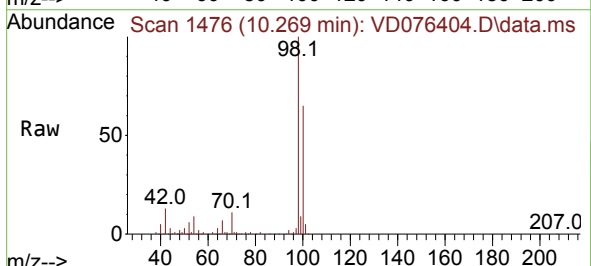
Acq: 13 Jun 2023 14:48

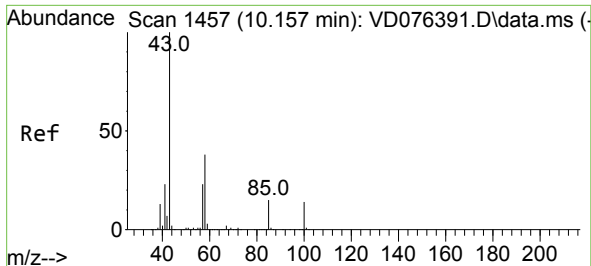
Tgt Ion: 98 Resp: 196777

Ion Ratio Lower Upper

98 100

100 66.6 50.3 75.5

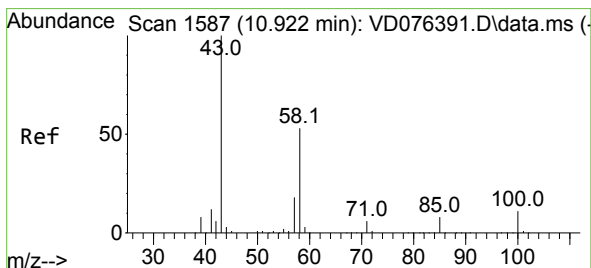
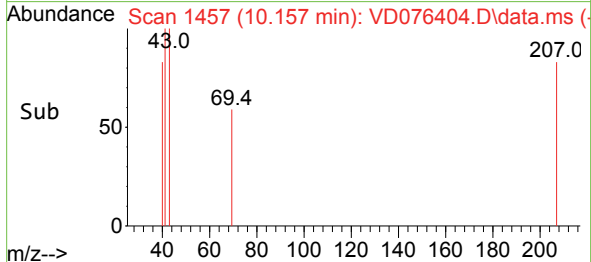
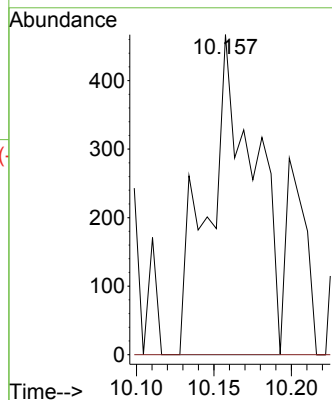
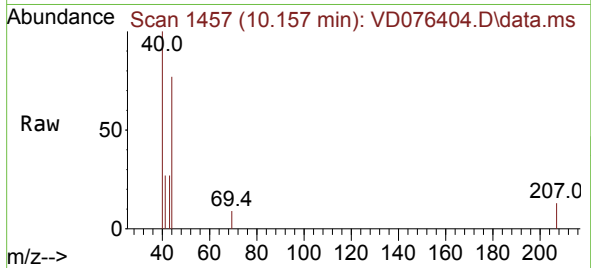




#51
4-Methyl-2-Pentanone
Concen: 1.049 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076404.D
Acq: 13 Jun 2023 14:48

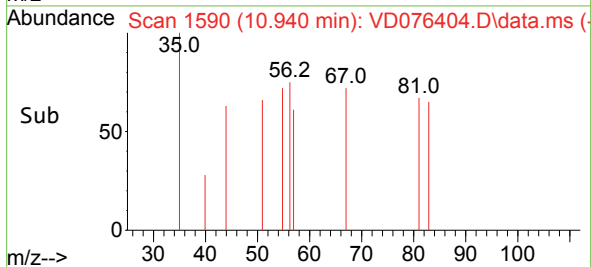
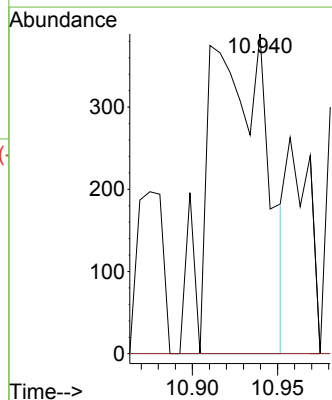
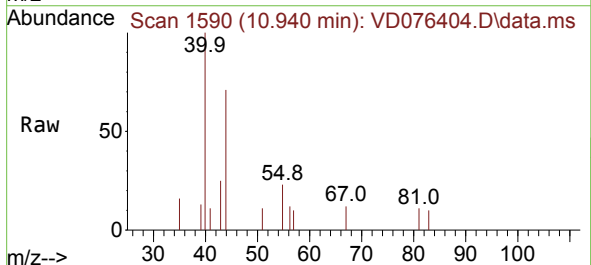
Instrument :
MSVOA_D
ClientSampleId :
GT-02RE

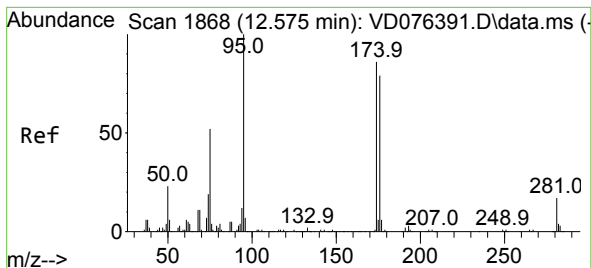
Tgt Ion: 43 Resp: 969
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#59
2-Hexanone
Concen: 1.418 ug/l
RT: 10.940 min Scan# 1590
Delta R.T. 0.018 min
Lab File: VD076404.D
Acq: 13 Jun 2023 14:48

Tgt Ion: 43 Resp: 918
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#

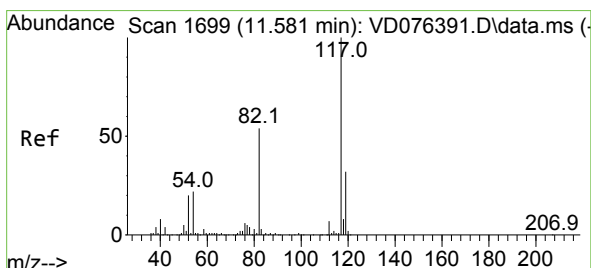
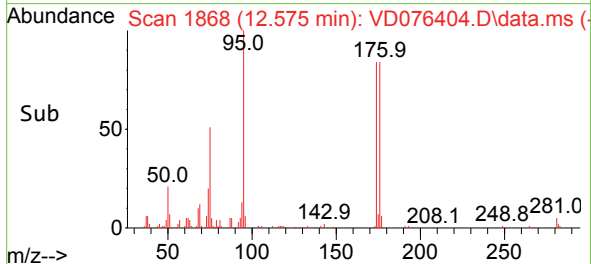
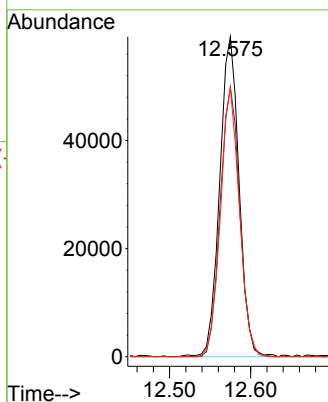
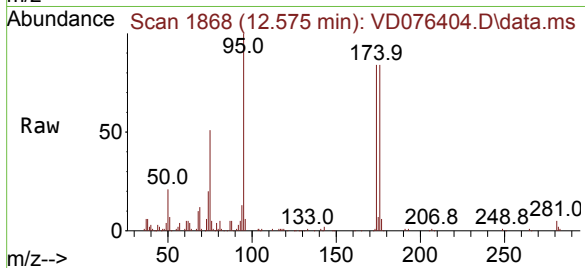




#62
4-Bromofluorobenzene
Concen: 65.478 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076404.D
Acq: 13 Jun 2023 14:48

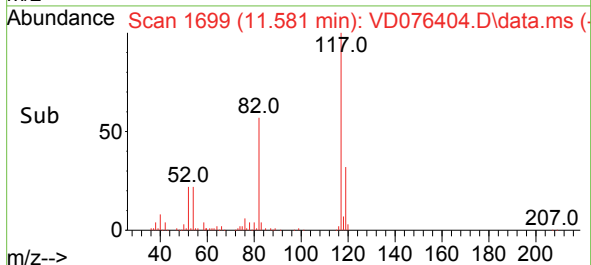
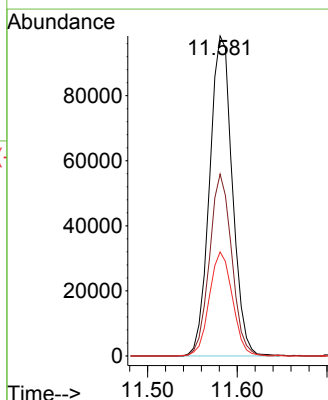
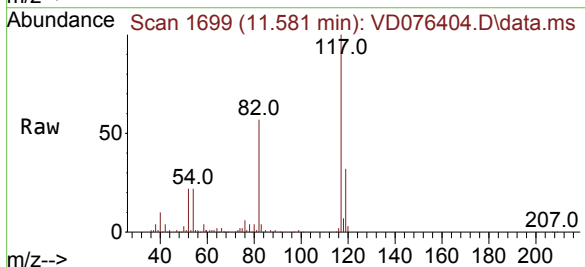
Instrument :
MSVOA_D
ClientSampleId :
GT-02RE

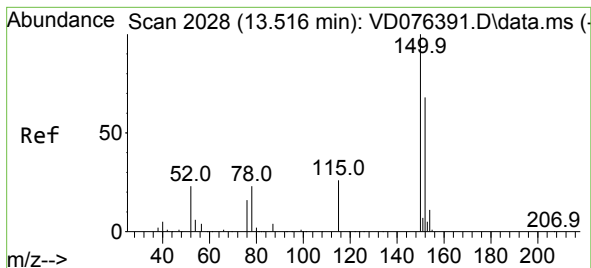
Tgt Ion: 95 Resp: 98367
Ion Ratio Lower Upper
95 100
174 84.5 0.0 201.8
176 82.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076404.D
Acq: 13 Jun 2023 14:48

Tgt Ion: 117 Resp: 173029
Ion Ratio Lower Upper
117 100
82 56.9 38.3 57.5
119 32.5 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD076404.D

Acq: 13 Jun 2023 14:48

Instrument :

MSVOA_D

ClientSampleId :

GT-02RE

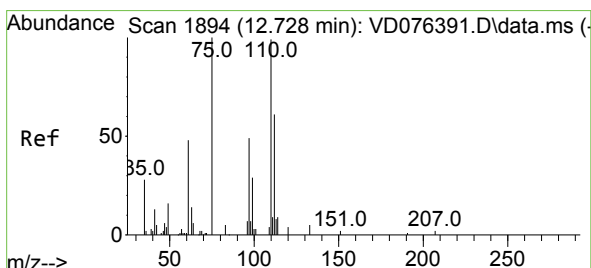
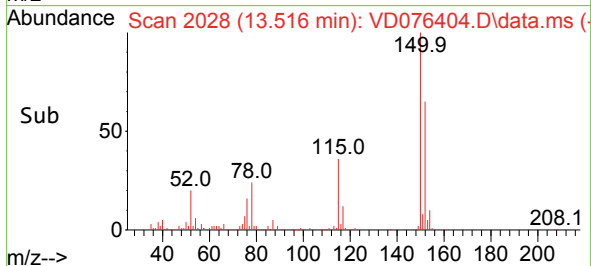
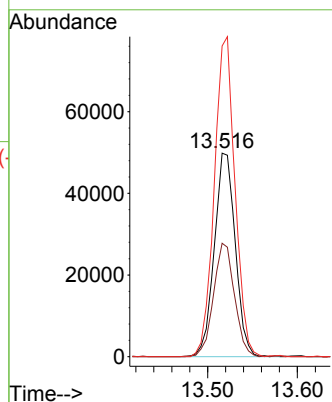
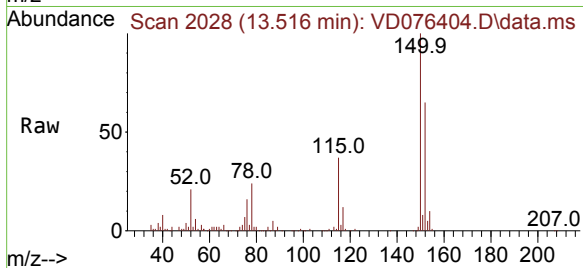
Tgt Ion:152 Resp: 80918

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 154.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 67.150 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD076404.D

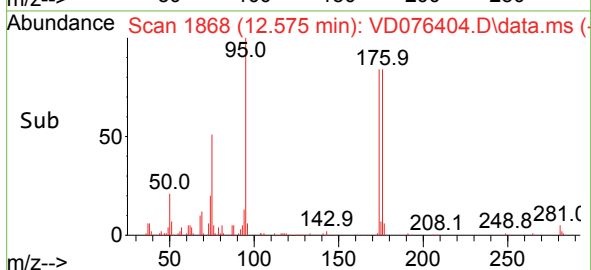
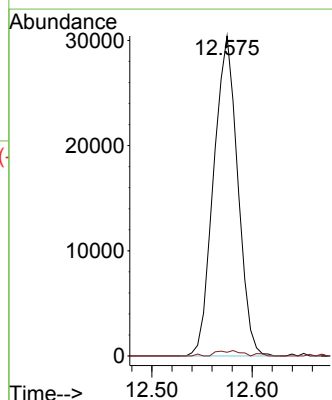
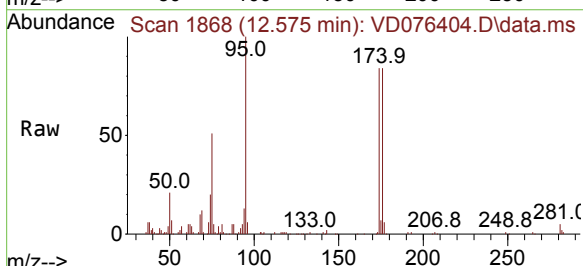
Acq: 13 Jun 2023 14:48

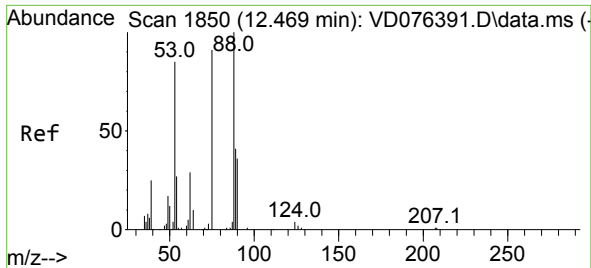
Tgt Ion: 75 Resp: 50798

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.228 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076404.D
 Acq: 13 Jun 2023 14:48

Instrument :
 MSVOA_D
 ClientSampleId :
 GT-02RE

Tgt Ion:	75	Resp:	50798
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.1	37.9	56.9#

