

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072839.D
 Acq On : 06 May 2022 06:32
 Operator : VA/SY
 Sample : N2676-02
 Misc : 5.48G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GT-05-(23-25)

Quant Time: May 06 06:47:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

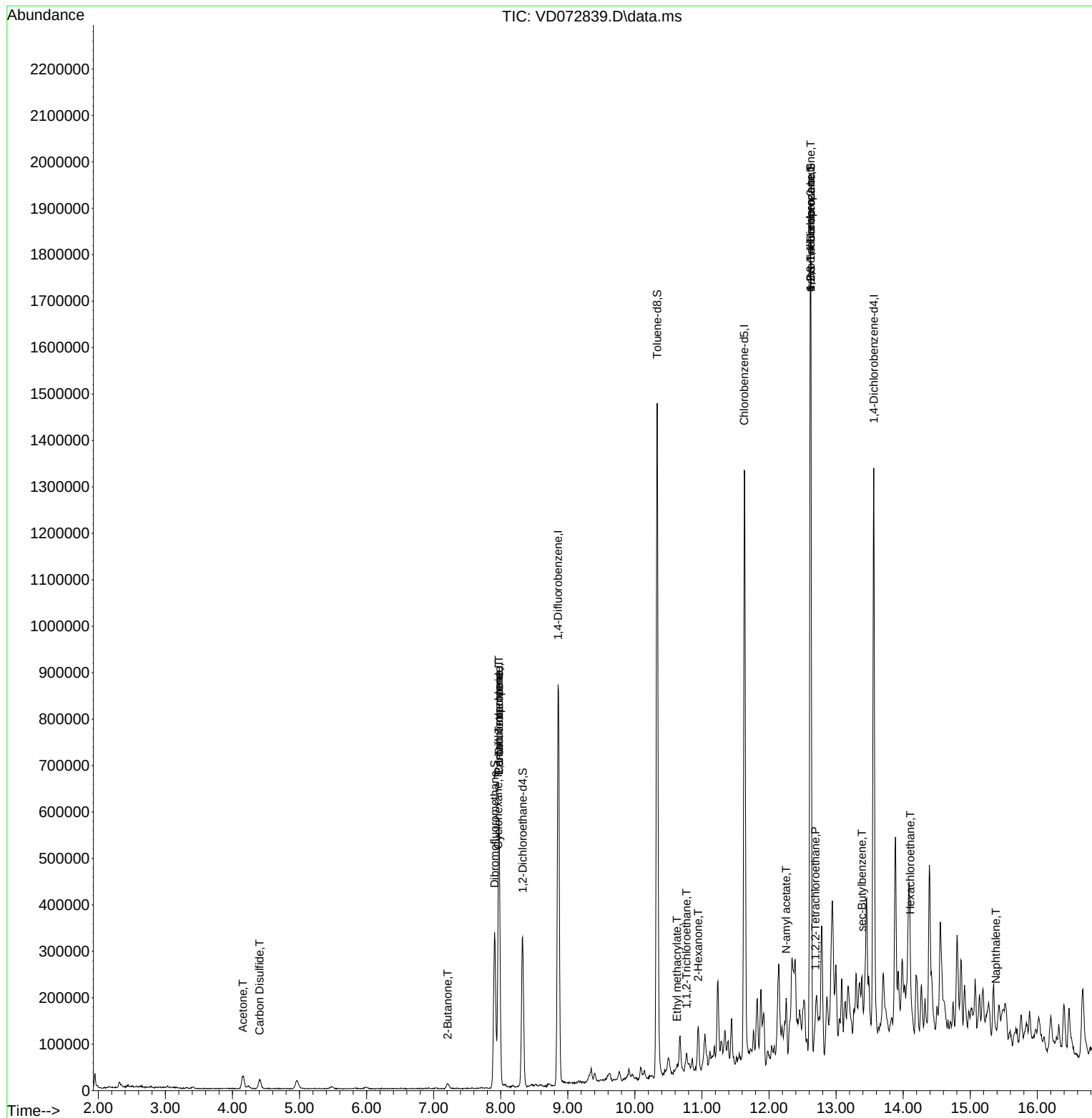
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.973	168	405117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	744922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	724344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	308859	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	260229	49.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.980%
35) Dibromofluoromethane	7.909	113	237661	45.427	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.860%
50) Toluene-d8	10.332	98	926599	49.375	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.760%
62) 4-Bromofluorobenzene	12.620	95	351652	50.254	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.500%
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	963	Below Cal	#	64
13) Acrolein	3.844	56	68	Below Cal	#	1
16) Acetone	4.156	43	51313	40.446	ug/l	96
17) Carbon Disulfide	4.403	76	40408	2.631	ug/l	99
18) Methyl Acetate	4.720	43	139	Below Cal	#	55
20) Methylene Chloride	4.962	84	13438	Below Cal		90
25) 2-Butanone	7.209	43	17827	11.635	ug/l #	87
31) Cyclohexane	7.961	56	10858	1.181	ug/l #	30
36) 1,1-Dichloropropene	7.973	75	34238	4.025	ug/l #	54
38) Carbon Tetrachloride	7.973	117	45409	5.142	ug/l #	18
55) 1,1,2-Trichloroethane	10.767	97	12330	2.563	ug/l #	18
56) Ethyl methacrylate	10.626	69	5678	1.002	ug/l #	69
59) 2-Hexanone	10.944	43	39239	15.548	ug/l #	32
74) N-amyl acetate	12.255	43	29457	4.922	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.691	83	9641	1.988	ug/l	86
76) 1,2,3-Trichloropropane	12.620	75	196610	57.088	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	196610	131.279	ug/l #	8
85) sec-Butylbenzene	13.385	105	26966	1.032	ug/l	80
90) Hexachloroethane	14.108	117	5331	1.215	ug/l #	17
95) Naphthalene	15.385	128	21298	1.952	ug/l #	88

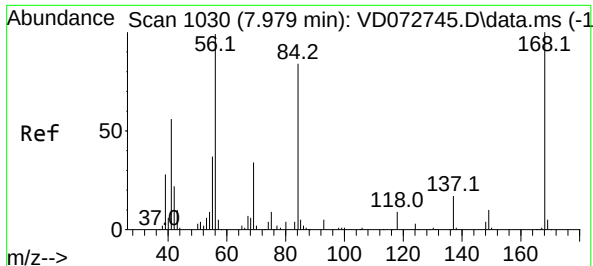
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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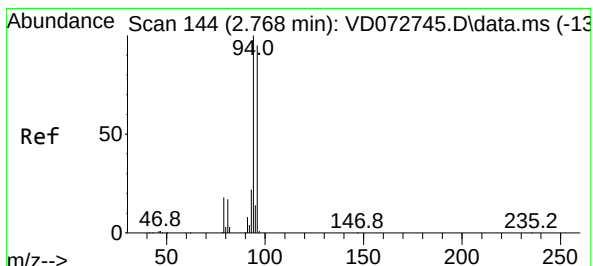
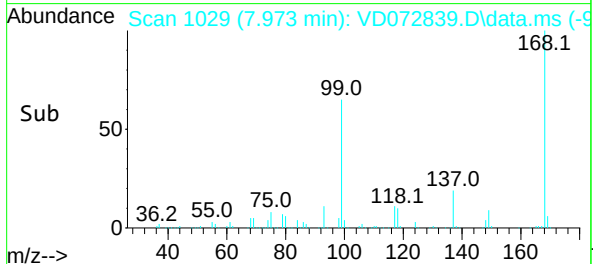
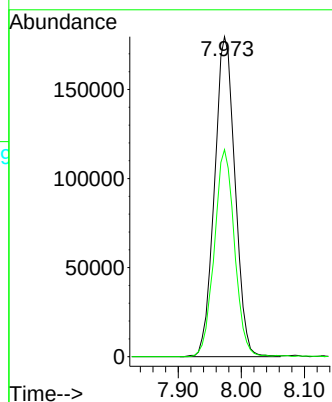
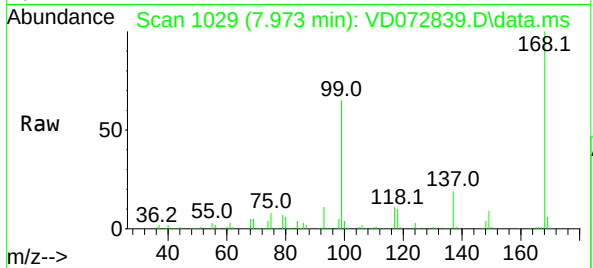




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

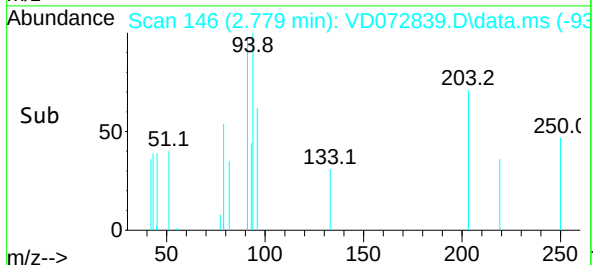
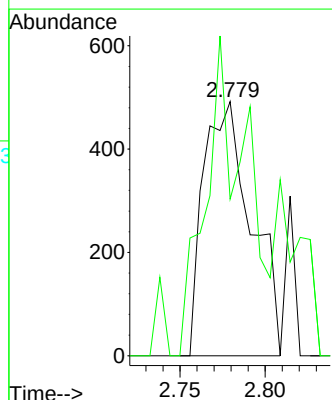
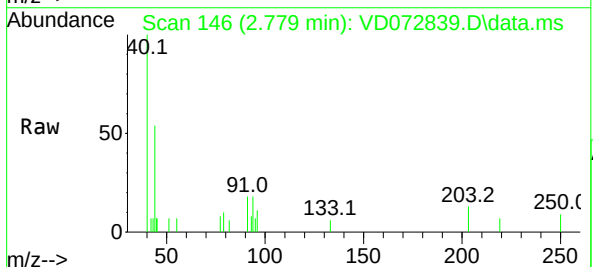
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(23-25)

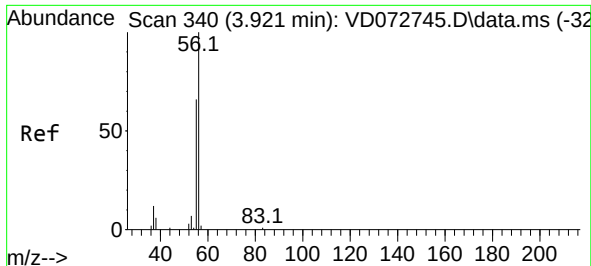
Tgt Ion:168 Resp: 405117
Ion Ratio Lower Upper
168 100
99 64.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

Tgt Ion: 94 Resp: 963
Ion Ratio Lower Upper
94 100
96 61.6 77.6 116.4#

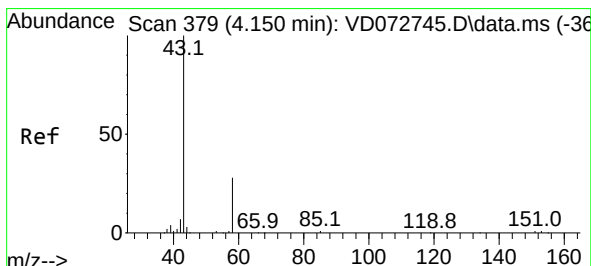
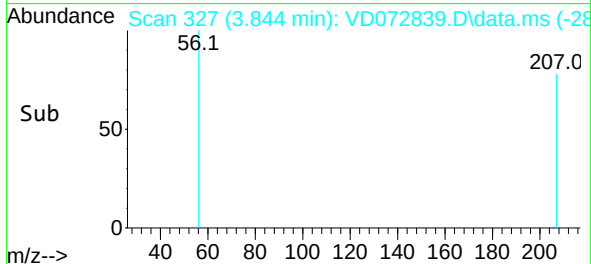
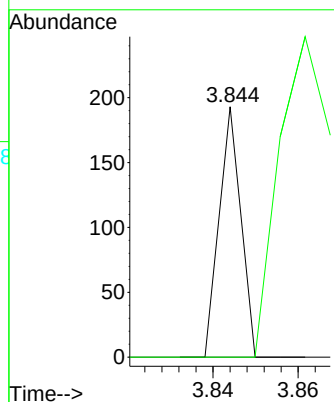
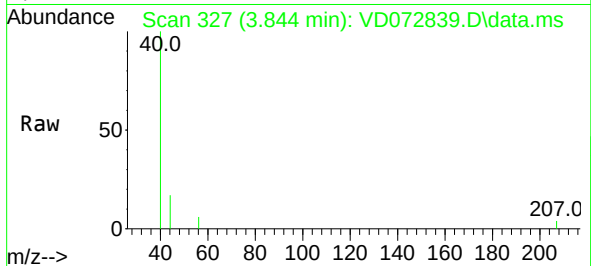




#13
Acrolein
Concen: Below Cal
RT: 3.844 min Scan# 31
Delta R.T. -0.077 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

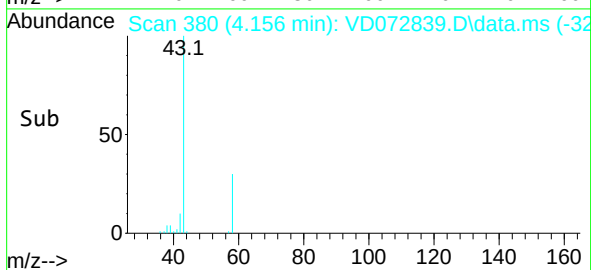
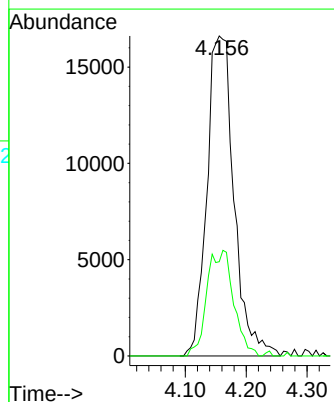
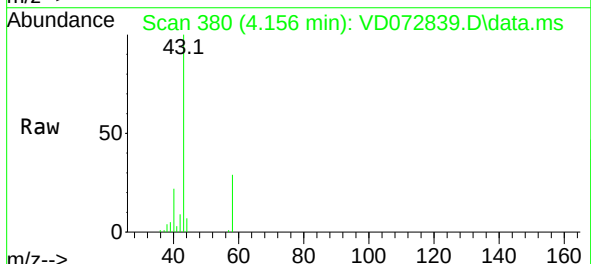
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(23-25)

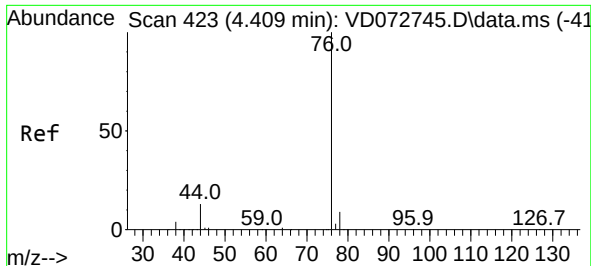
Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 305.9 57.1 85.7#



#16
Acetone
Concen: 40.446 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

Tgt Ion: 43 Resp: 51313
Ion Ratio Lower Upper
43 100
58 29.4 22.1 33.1





#17

Carbon Disulfide

Concen: 2.631 ug/l

RT: 4.403 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD072839.D

Acq: 06 May 2022 06:32

Instrument :

MSVOA_D

ClientSampleId :

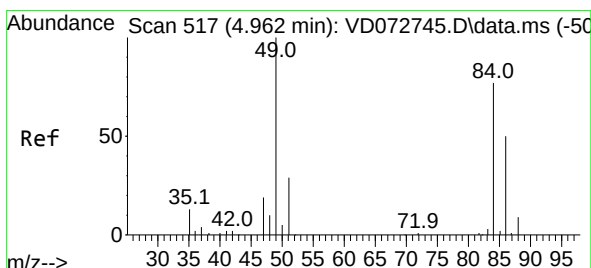
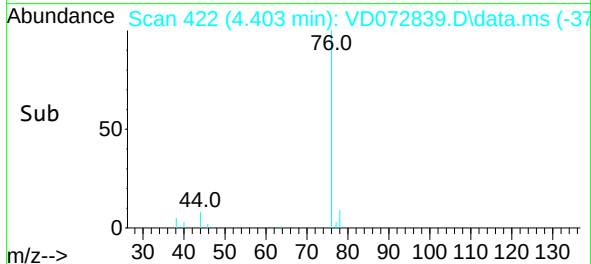
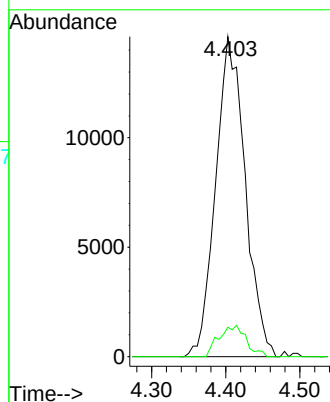
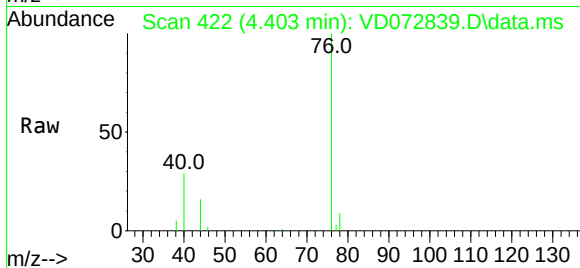
GT-05-(23-25)

Tgt Ion: 76 Resp: 40408

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3



#20

Methylene Chloride

Concen: Below Cal

RT: 4.962 min Scan# 517

Delta R.T. -0.000 min

Lab File: VD072839.D

Acq: 06 May 2022 06:32

Tgt Ion: 84 Resp: 13438

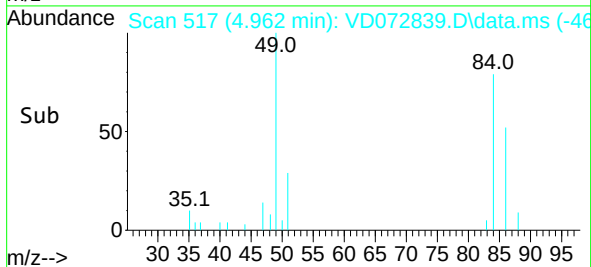
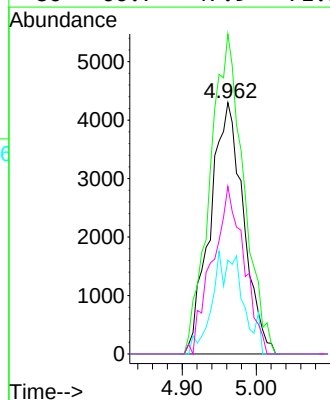
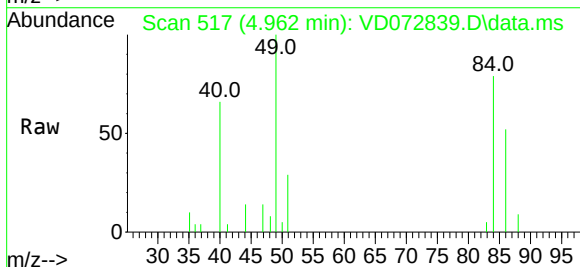
Ion Ratio Lower Upper

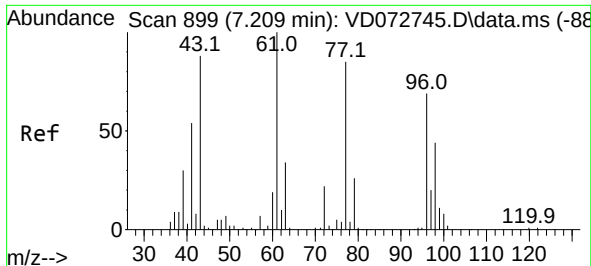
84 100

49 127.3 112.8 169.2

51 37.3 32.6 48.8

86 66.7 47.9 71.9

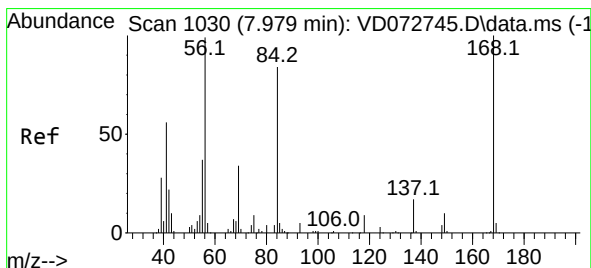
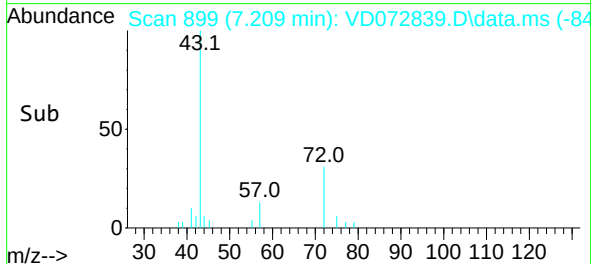
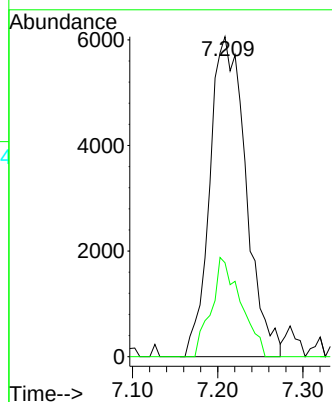
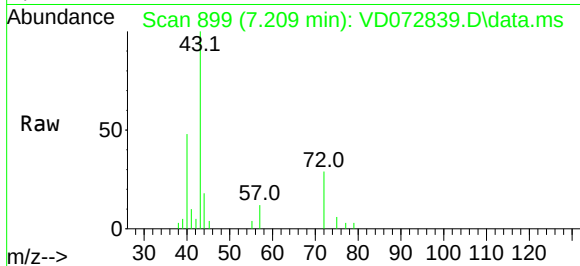




#25
2-Butanone
Concen: 11.635 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

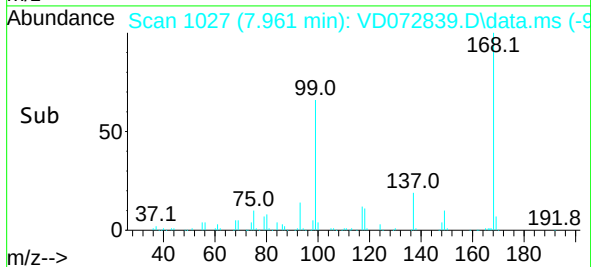
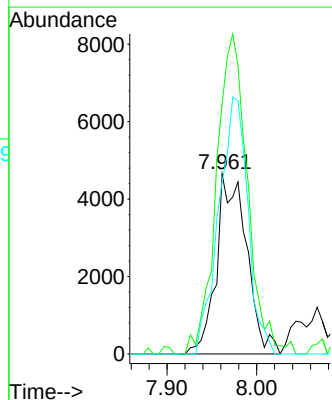
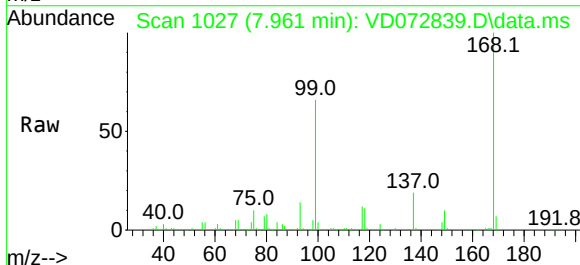
Instrument :
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GT-05-(23-25)

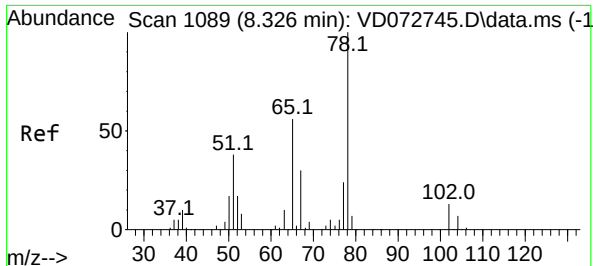
Tgt Ion: 43 Resp: 17827
Ion Ratio Lower Upper
43 100
72 29.4 18.6 27.8#



#31
Cyclohexane
Concen: 1.181 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

Tgt Ion: 56 Resp: 10858
Ion Ratio Lower Upper
56 100
69 139.3 25.4 38.2#
84 95.8 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 49.485 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072839.D

Acq: 06 May 2022 06:32

Instrument :

MSVOA_D

ClientSampleId :

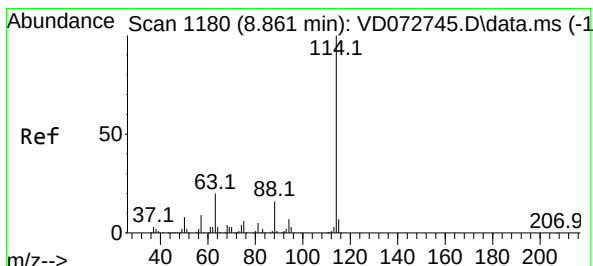
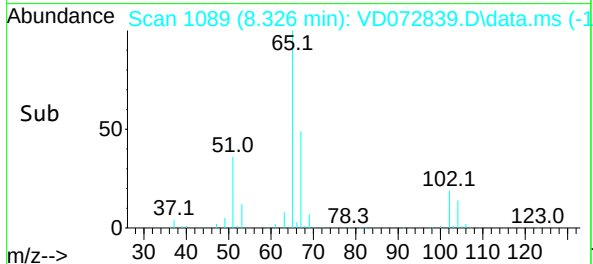
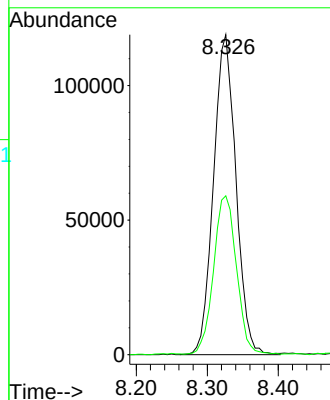
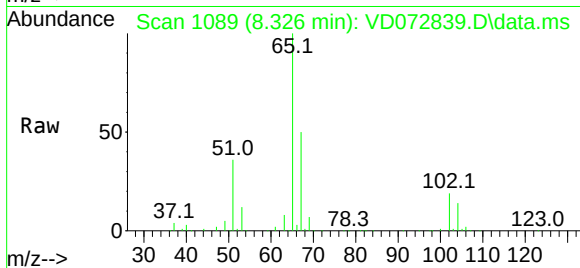
GT-05-(23-25)

Tgt Ion: 65 Resp: 260229

Ion Ratio Lower Upper

65 100

67 50.5 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072839.D

Acq: 06 May 2022 06:32

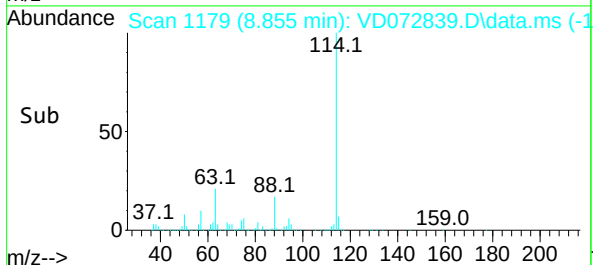
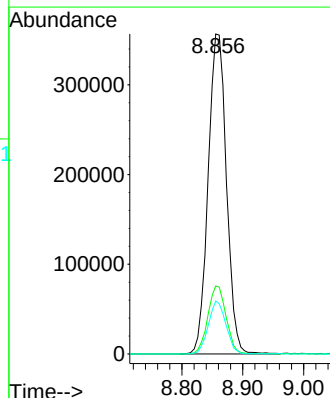
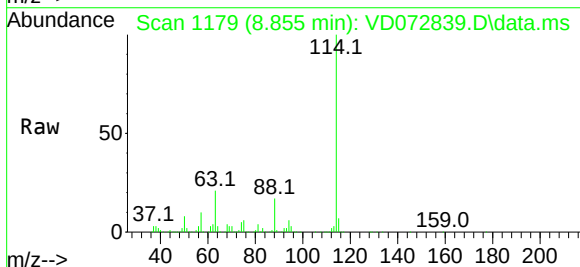
Tgt Ion: 114 Resp: 744922

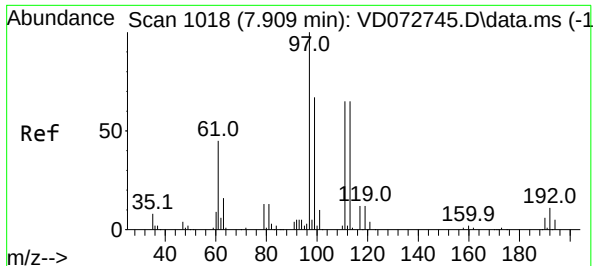
Ion Ratio Lower Upper

114 100

63 21.2 0.0 46.6

88 16.5 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.427 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072839.D

Acq: 06 May 2022 06:32

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MSVOA_D

ClientSampleId :

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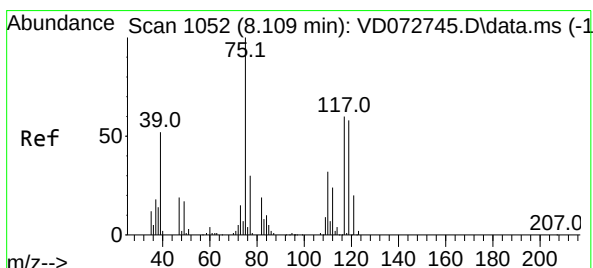
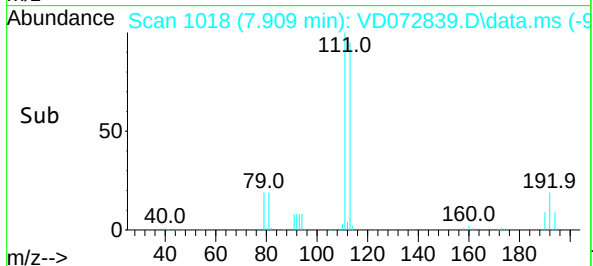
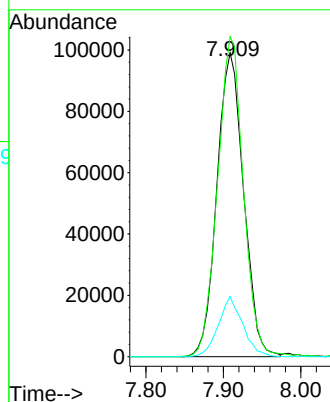
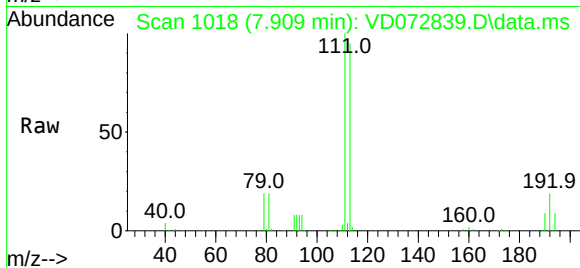
Tgt Ion:113 Resp: 237661

Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 18.1 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.025 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072839.D

Acq: 06 May 2022 06:32

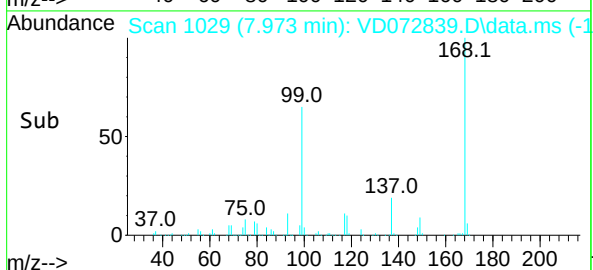
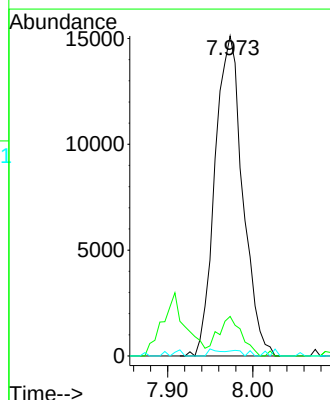
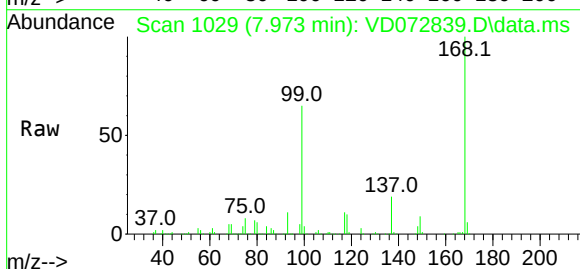
Tgt Ion: 75 Resp: 34238

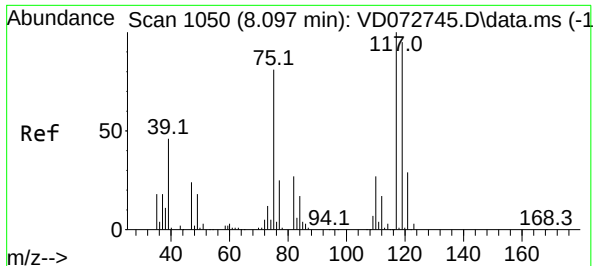
Ion Ratio Lower Upper

75 100

110 10.6 16.4 49.1#

77 1.0 24.2 36.2#

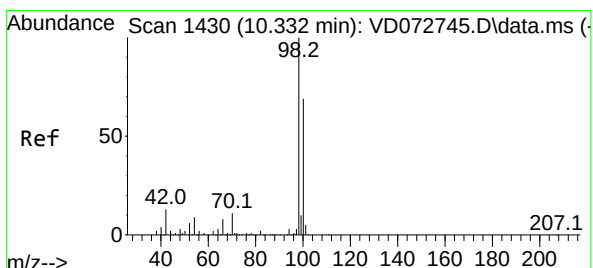
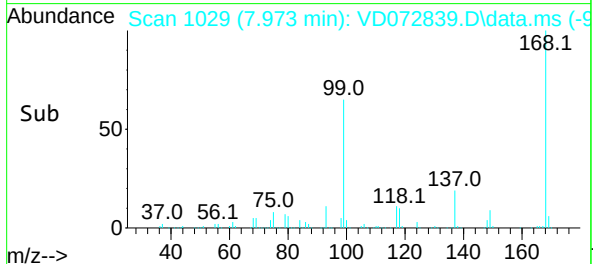
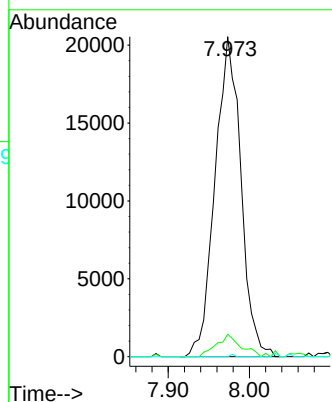
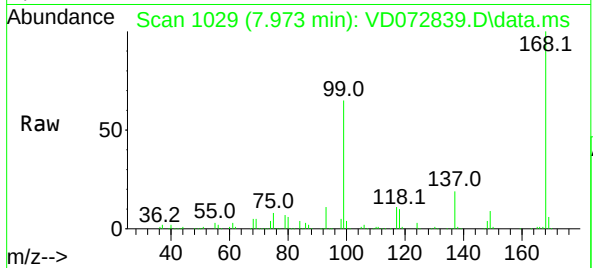




#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

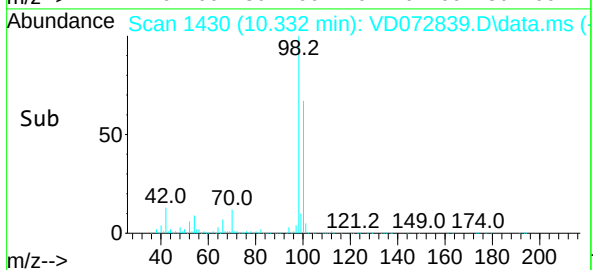
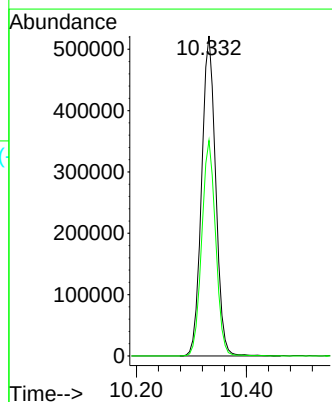
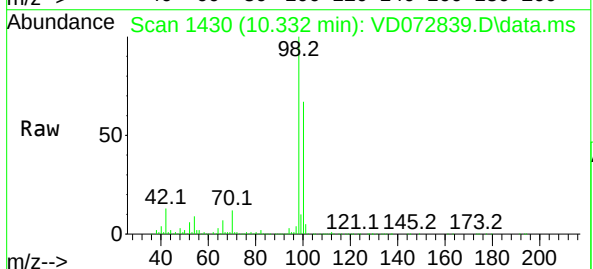
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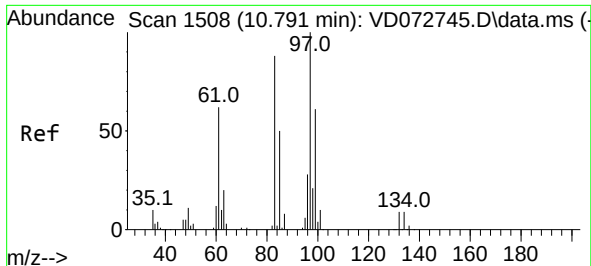
Tgt Ion:117 Resp: 45409
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.375 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

Tgt Ion: 98 Resp: 926599
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

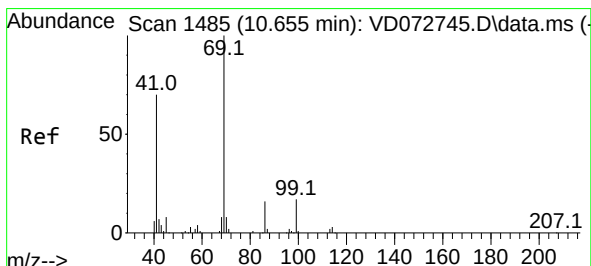
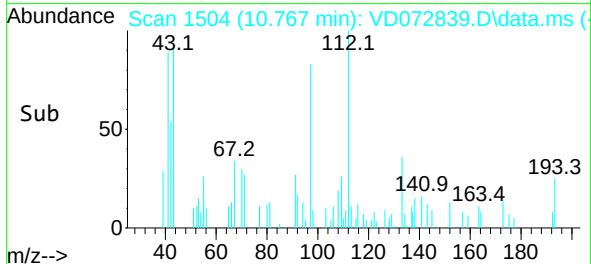
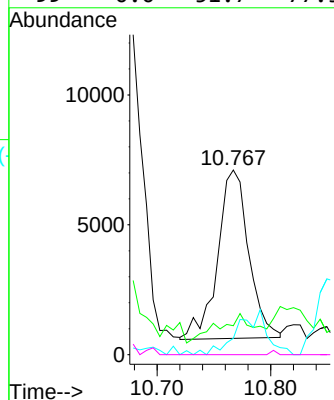
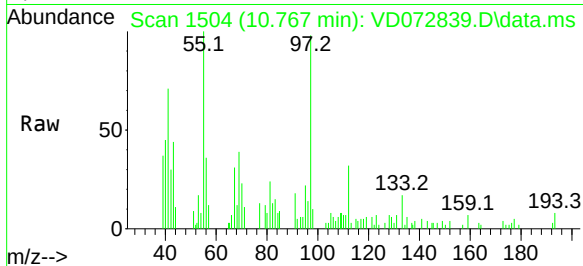




#55
1,1,2-Trichloroethane
Concen: 2.563 ug/l
RT: 10.767 min Scan# 1508
Delta R.T. -0.024 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

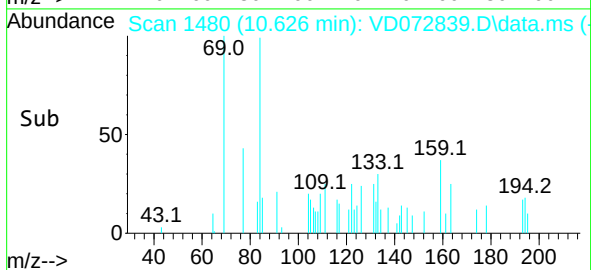
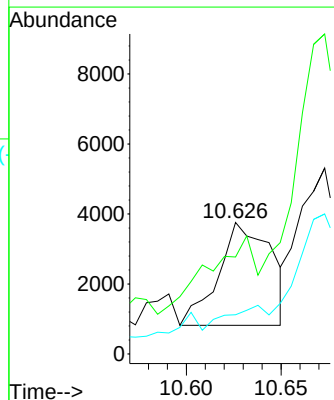
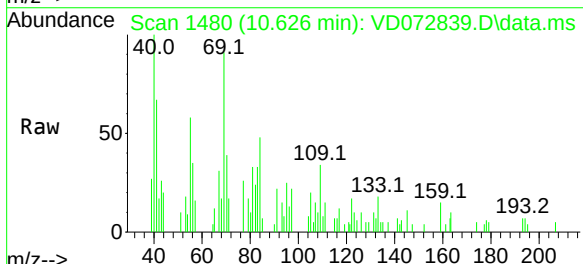
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(23-25)

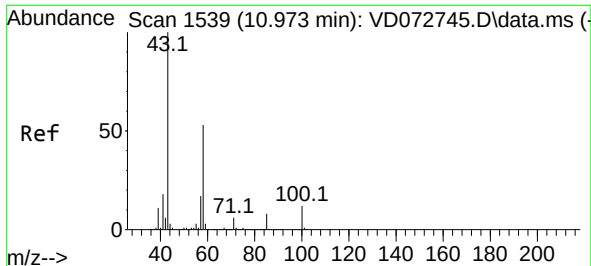
Tgt Ion: 97	Resp: 12330
Ion Ratio	Lower Upper
97 100	
83 0.0	69.0 103.4#
85 9.8	42.6 63.8#
99 0.0	51.7 77.5#



#56
Ethyl methacrylate
Concen: 1.002 ug/l
RT: 10.626 min Scan# 1480
Delta R.T. -0.029 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

Tgt Ion: 69	Resp: 5678
Ion Ratio	Lower Upper
69 100	
41 68.2	63.0 94.6
39 0.0	33.8 50.8#

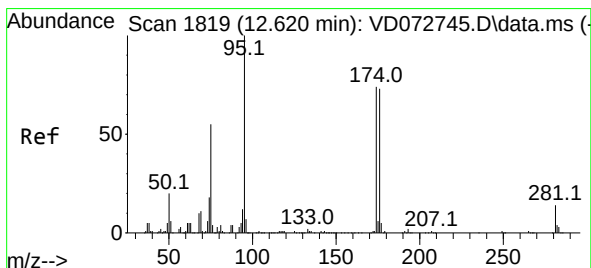
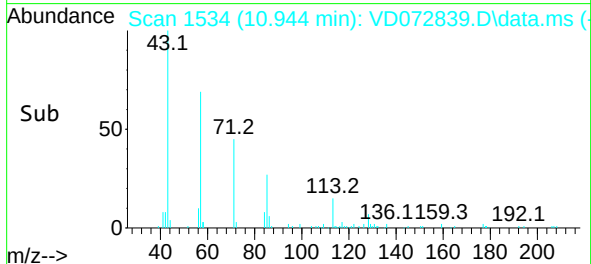
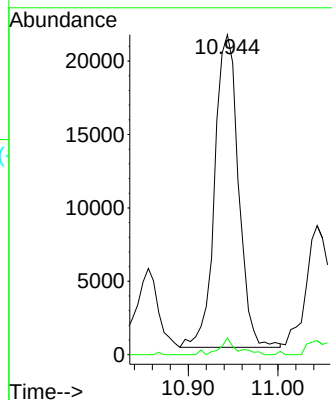
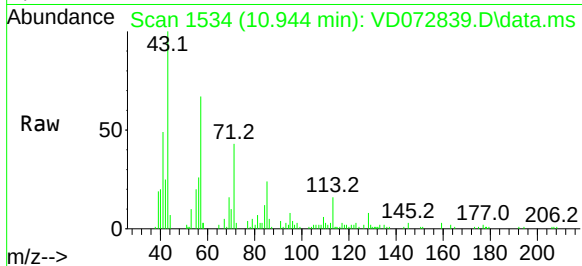




#59
2-Hexanone
Concen: 15.548 ug/l
RT: 10.944 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

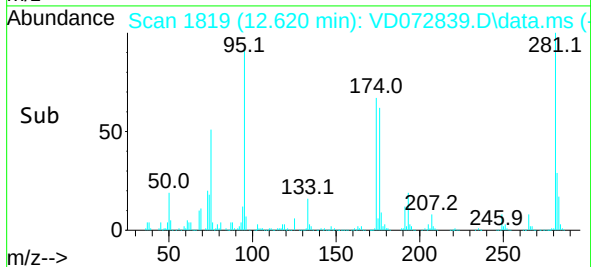
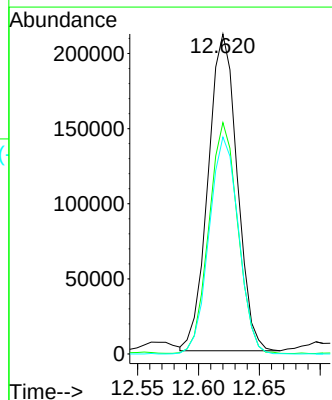
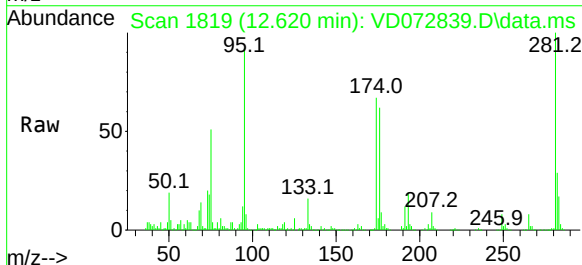
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(23-25)

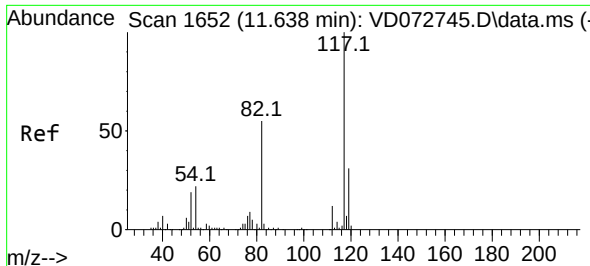
Tgt Ion: 43 Resp: 39239
Ion Ratio Lower Upper
43 100
58 3.6 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 50.254 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

Tgt Ion: 95 Resp: 351652
Ion Ratio Lower Upper
95 100
174 72.1 0.0 152.8
176 69.2 0.0 145.4

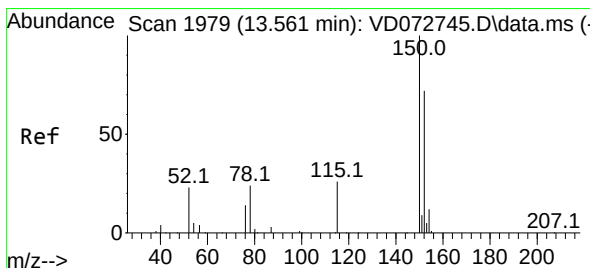
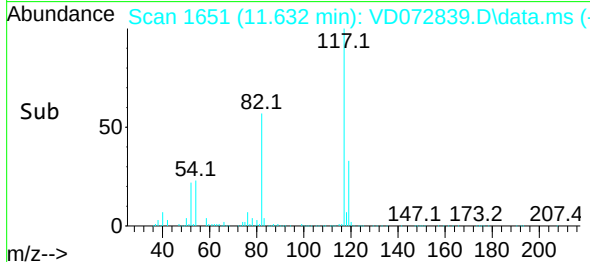
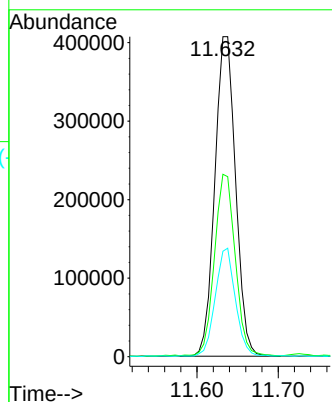
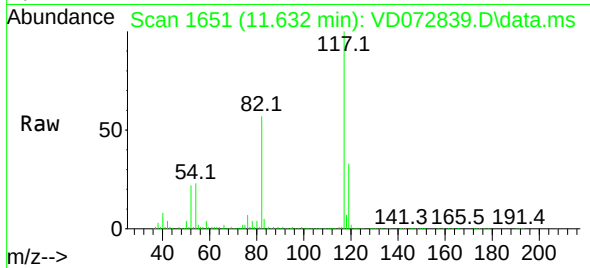




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

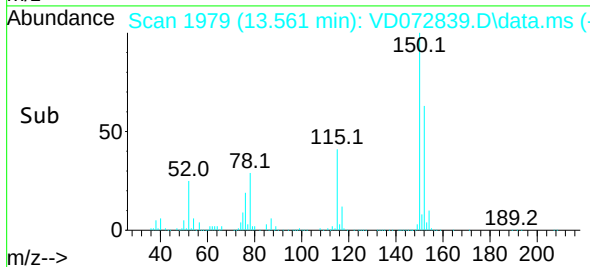
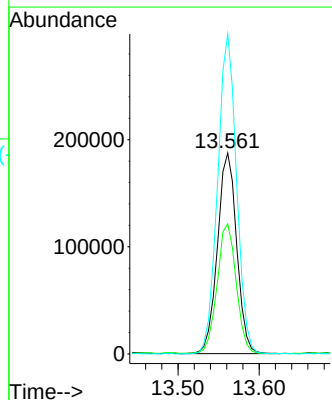
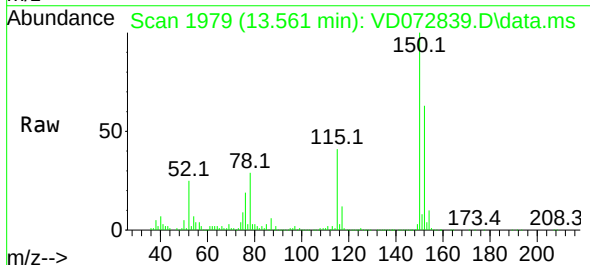
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(23-25)

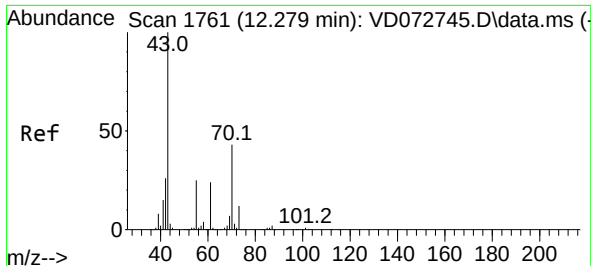
Tgt Ion:117 Resp: 724344
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 32.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

Tgt Ion:152 Resp: 308859
Ion Ratio Lower Upper
152 100
115 64.3 31.3 93.8
150 156.4 0.0 348.6

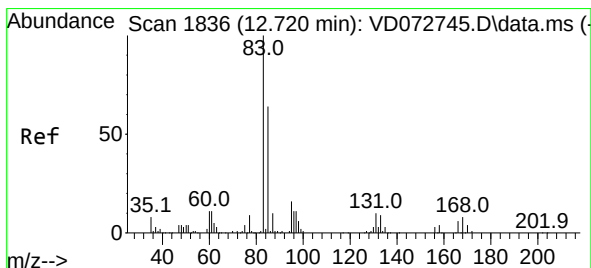
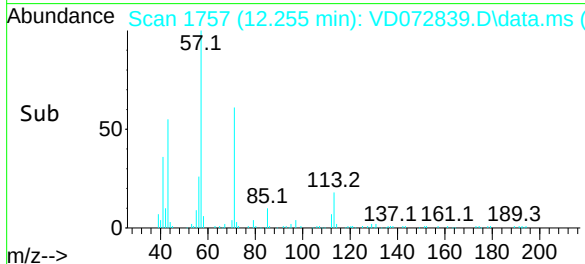
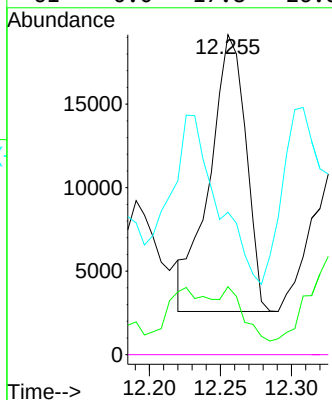
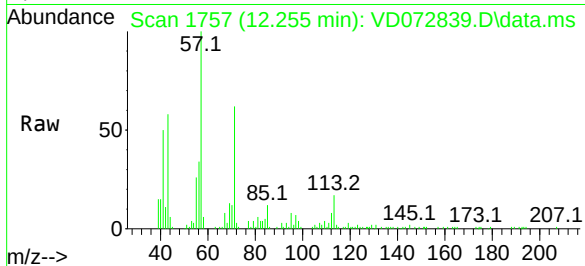




#74
N-amy1 acetate
Concen: 4.922 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

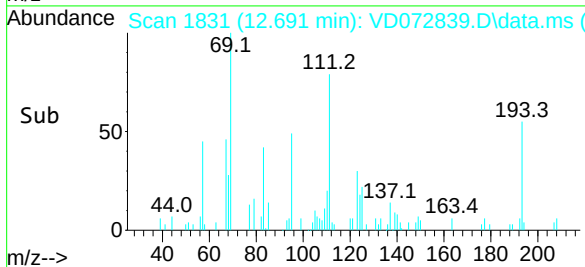
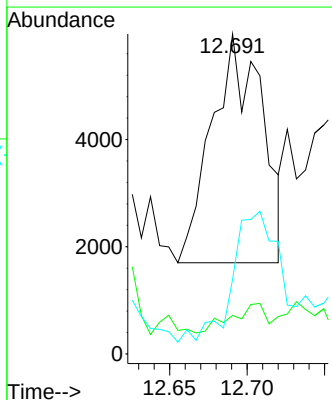
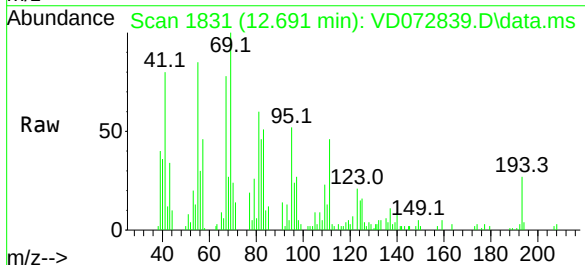
Instrument :
MSVOA_D
ClientSampleId :
GT-05-(23-25)

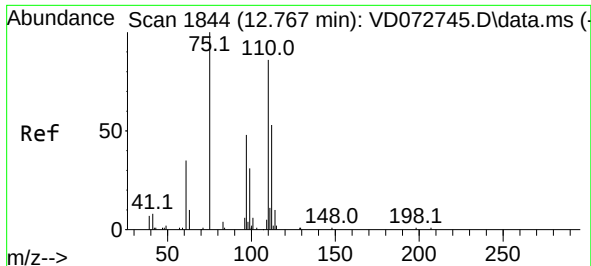
Tgt Ion: 43	Resp: 29457
Ion Ratio	Lower Upper
43 100	
70 0.0	31.3 46.9#
55 0.0	20.0 30.0#
61 0.0	17.8 26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.988 ug/l
RT: 12.691 min Scan# 1831
Delta R.T. -0.029 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

Tgt Ion: 83	Resp: 9641
Ion Ratio	Lower Upper
83 100	
131 8.6	5.0 14.9
85 53.4	32.6 98.0

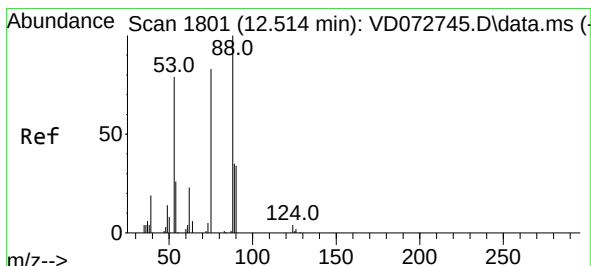
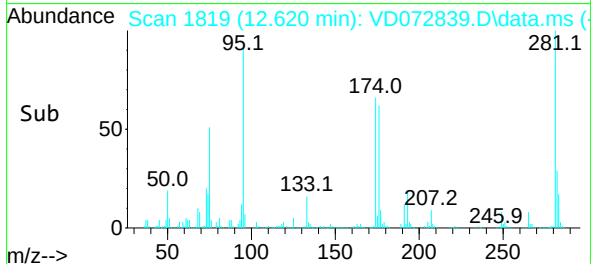
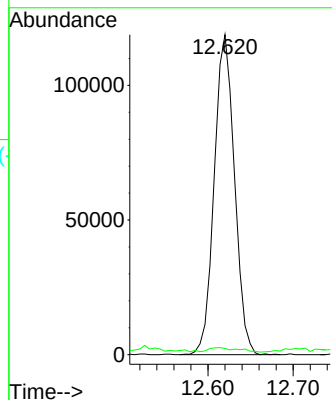
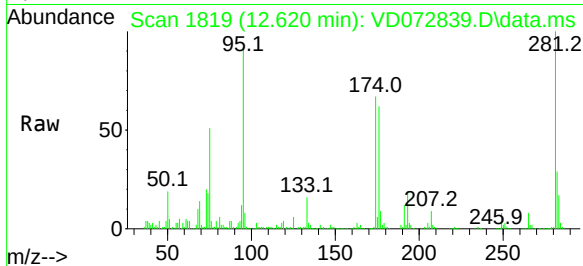




#76
1,2,3-Trichloropropane
Concen: 57.088 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

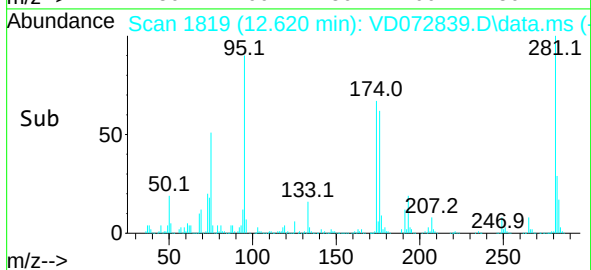
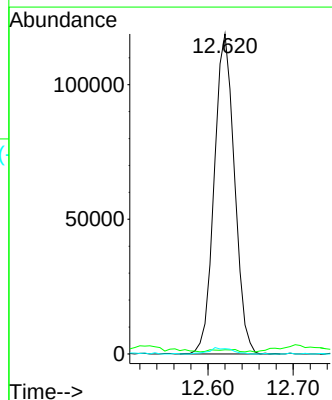
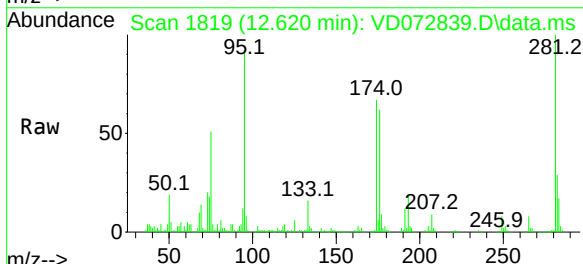
Instrument :
MSVOA_D
ClientSampleId :
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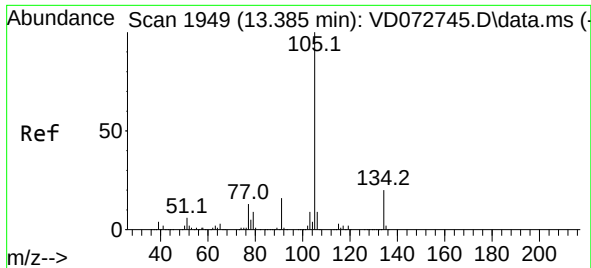
Tgt Ion: 75 Resp: 196610
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.279 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072839.D
Acq: 06 May 2022 06:32

Tgt Ion: 75 Resp: 196610
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 2.2 33.9 50.9#

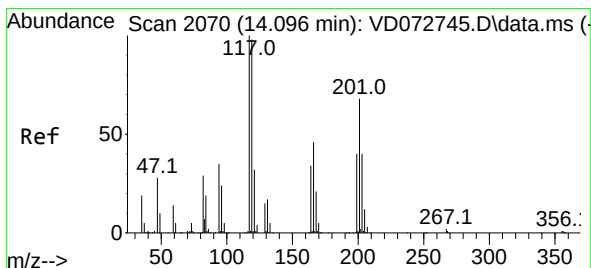
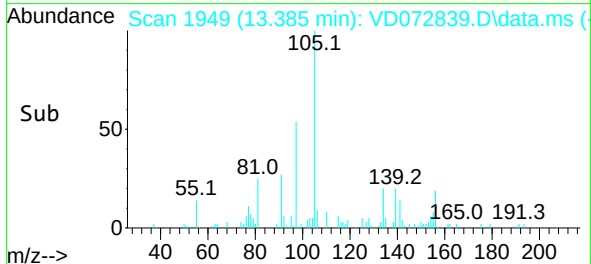
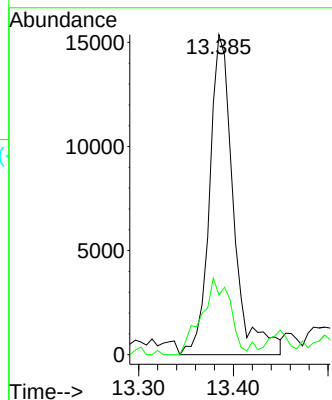
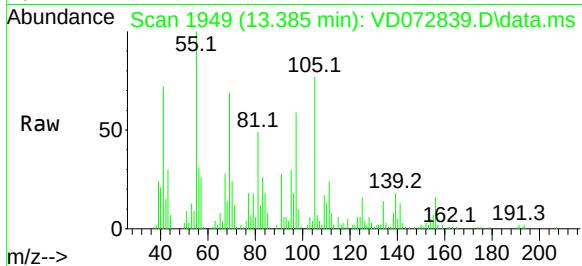




#85
 sec-Butylbenzene
 Concen: 1.032 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VD072839.D
 Acq: 06 May 2022 06:32

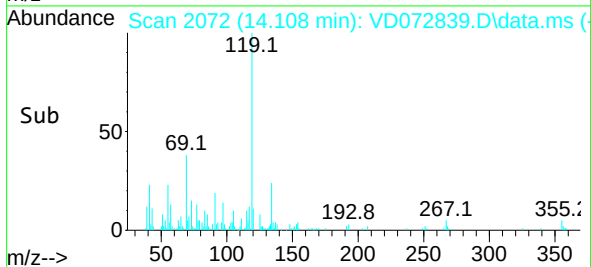
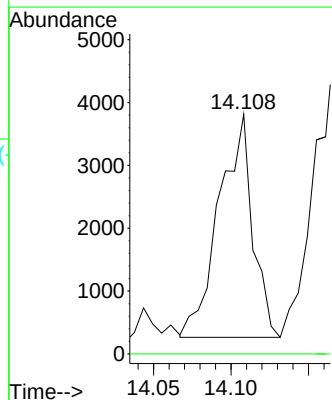
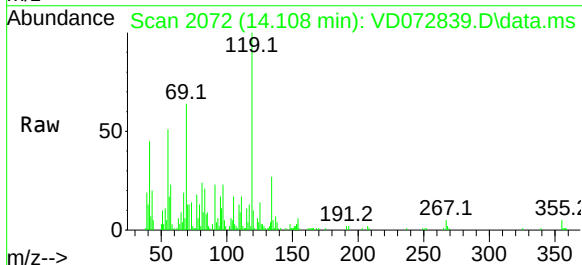
Instrument :
 MSVOA_D
 ClientSampleId :
 GT-05-(23-25)

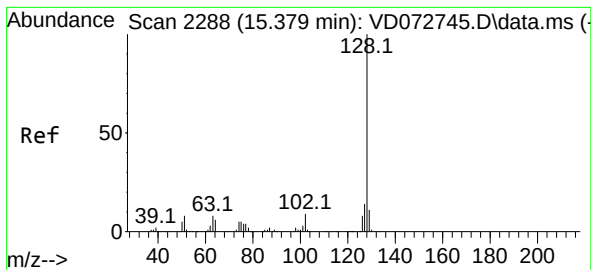
Tgt Ion:105 Resp: 26966
 Ion Ratio Lower Upper
 105 100
 134 28.4 9.8 29.3



#90
 Hexachloroethane
 Concen: 1.215 ug/l
 RT: 14.108 min Scan# 2072
 Delta R.T. 0.012 min
 Lab File: VD072839.D
 Acq: 06 May 2022 06:32

Tgt Ion:117 Resp: 5331
 Ion Ratio Lower Upper
 117 100
 201 0.0 33.4 100.2#





#95

Naphthalene

Concen: 1.952 ug/l

RT: 15.385 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD072839.D

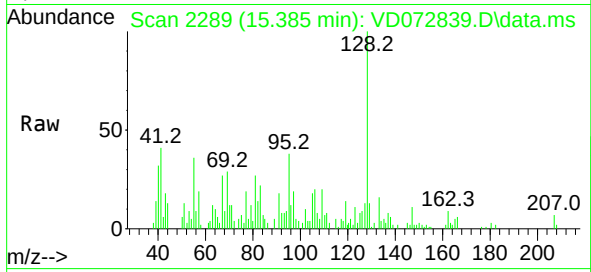
Acq: 06 May 2022 06:32

Instrument :

MSVOA_D

ClientSampleId :

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Tgt Ion:128 Resp: 21298

Ion Ratio Lower Upper

128 100

127 20.6 10.3 15.5#

129 11.5 8.4 12.6

