

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112424\
 Data File : VV038325.D
 Acq On : 24 Nov 2024 12:28
 Operator : SY/MD
 Sample : P4884-01
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3M5

Quant Time: Nov 25 00:23:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 25 00:21:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	239283	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	251851	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	110793	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	68202	3.719	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.400%
7) Chloroethane-d5	1.529	69	64288	4.333	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.600%
11) 1,1-Dichloroethene-d2	2.053	65	31447	3.984	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.600%
20) 2-Butanone-d5	3.802	46	150259	40.954	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.900%
24) Chloroform-d	4.243	84	156611	4.400	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	4.937	65	73903	4.627	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	4.953	84	275117	4.227	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	5.982	67	92268	4.607	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.239	98	223167	3.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
43) trans-1,3-Dichloroprop...	7.558	79	29902	4.015	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.400%
46) 2-Hexanone-d5	8.024	63	118653	40.989	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	81.980%
56) 1,1,2,2-Tetrachloroeth...	10.146	84	74198	4.364	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	11.554	152	94045	4.982	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.600%

Target Compounds					Qvalue	
9) Trichlorofluoromethane	1.709	101	2023889	64.381	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	31017	1.729	ug/L	95
12) 1,1-Dichloroethene	2.063	96	23257	1.361	ug/L #	14
16) Methylene chloride	2.442	84	122817	6.302	ug/L	95
17) Methyl tert-butyl Ether	2.696	73	282725	7.317	ug/L	100
19) 1,1-Dichloroethane	3.104	63	201844	6.176	ug/L	100
22) cis-1,2-Dichloroethene	3.812	96	24156	1.298	ug/L	96
25) Chloroform	4.272	83	13369	0.382	ug/L	98
27) 1,2-Dichloroethane	5.050	62	18156	0.954	ug/L	97
29) 1,1,1-Trichloroethane	4.503	97	107673	3.565	ug/L	97
34) Trichloroethene	5.828	95	89725	4.653	ug/L	98
42) Toluene	7.317	91	70613	0.942	ug/L	97
47) Tetrachloroethene	7.895	164	160675	10.369	ug/L	97
51) Chlorobenzene	8.812	112	47697	0.924	ug/L	96
52) Ethylbenzene	8.950	91	24285	0.306	ug/L	93
53) m,p-Xylene	9.069	106	15144	0.505	ug/L	98
54) o-Xylene	9.484	106	3374	0.116	ug/L	78
57) 1,1,2,2-Tetrachloroethane	10.175	83	6363	0.379	ug/L #	92
67) 1,2-Dichlorobenzene	11.574	146	16211	0.511	ug/L	97

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QLast Update : Mon Nov 25 00:21:44 2024
Response via : Initial Calibration

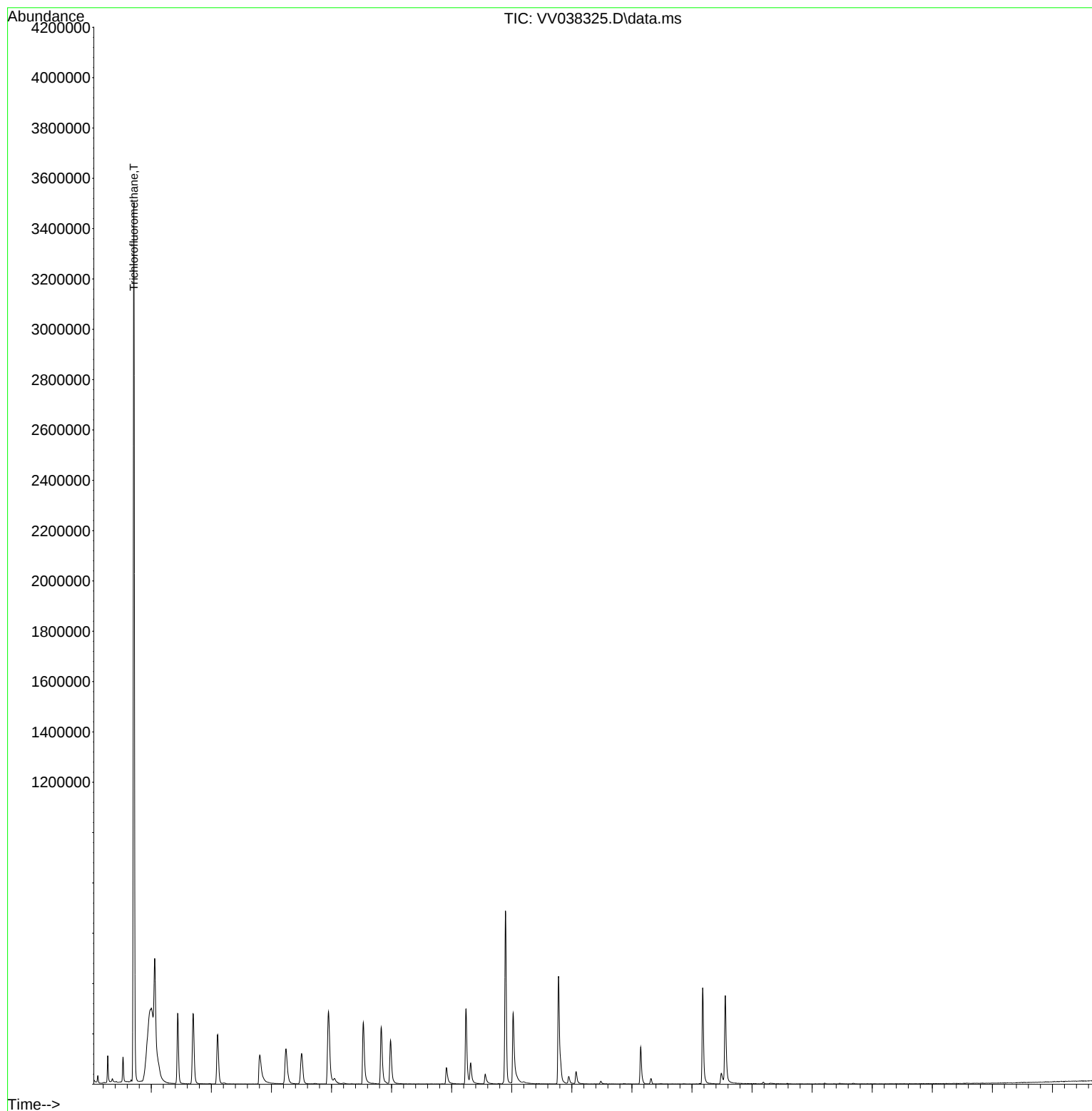
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

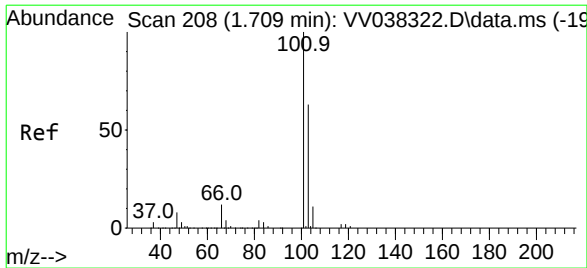
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Trichlorofluoromethane

Concen: 64.381 ug/L

RT: 1.709 min Scan# 208

Delta R.T. -0.000 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

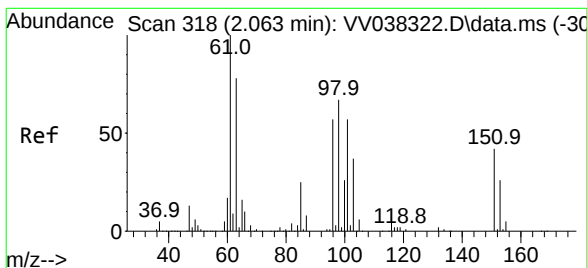
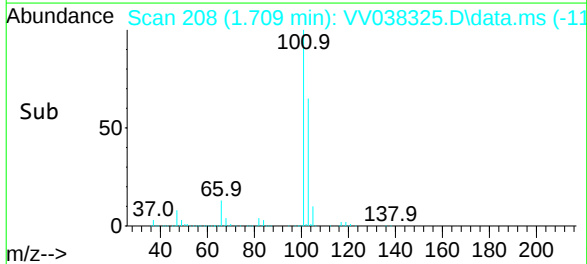
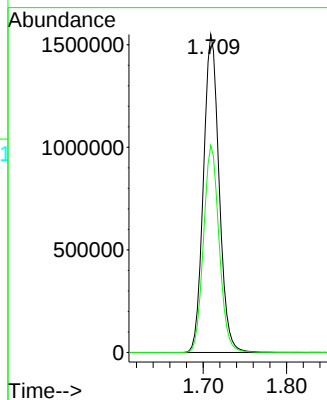
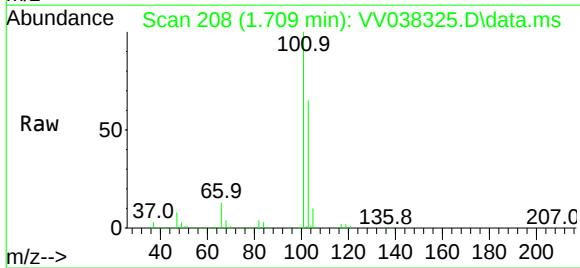
BG3M5

Tgt Ion:101 Resp: 2023889

Ion Ratio Lower Upper

101 100

103 65.0 51.5 77.3



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.729 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

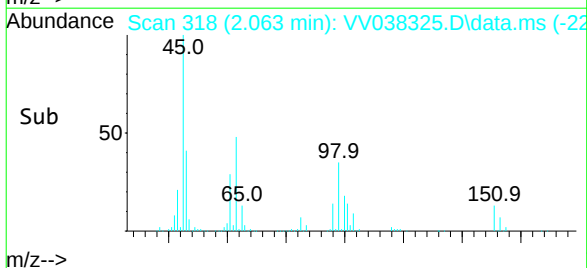
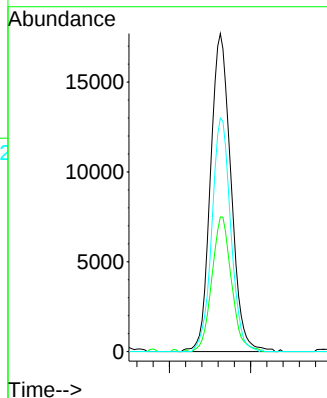
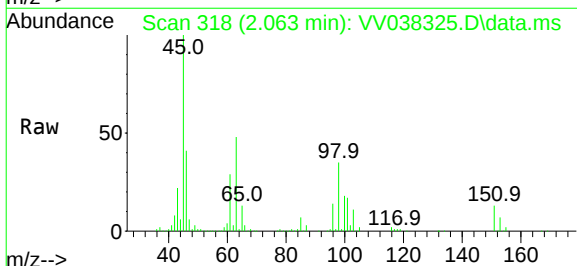
Tgt Ion:101 Resp: 31017

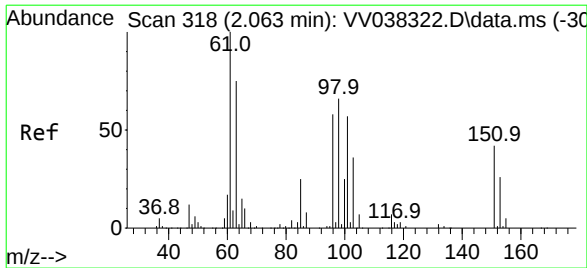
Ion Ratio Lower Upper

101 100

85 40.5 33.4 50.0

151 68.0 58.8 88.2

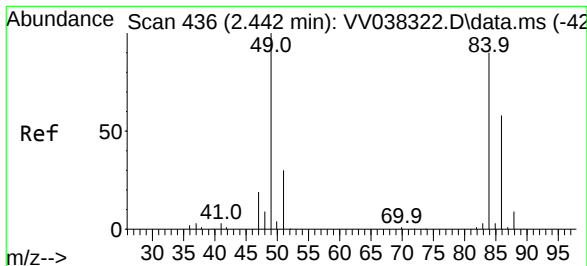
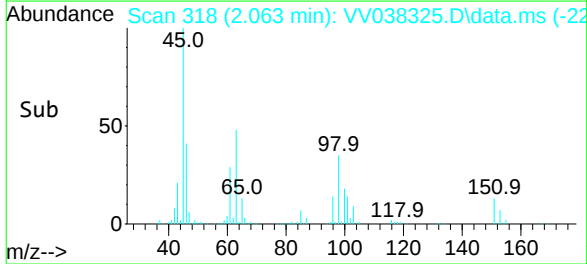
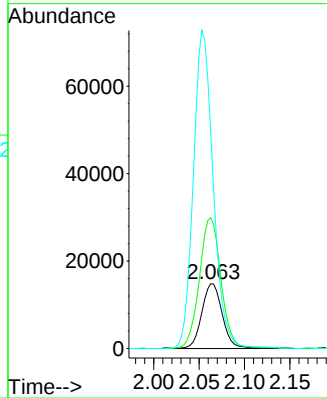
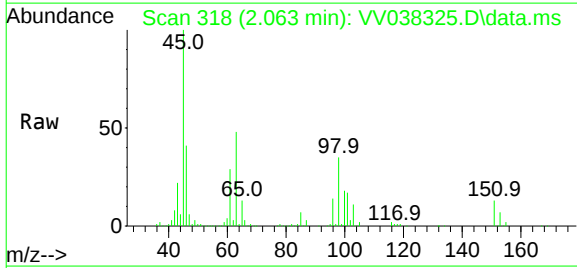




#12
1,1-Dichloroethene
Concen: 1.361 ug/L
RT: 2.063 min Scan# 318
Delta R.T. -0.000 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

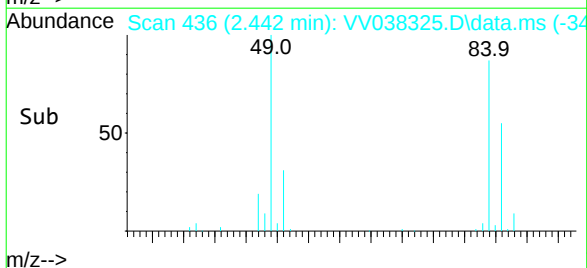
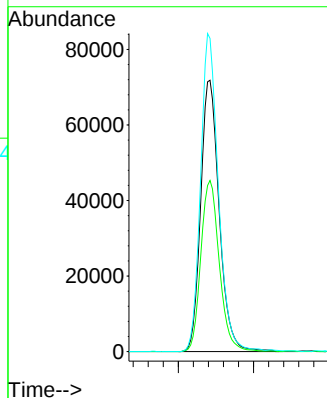
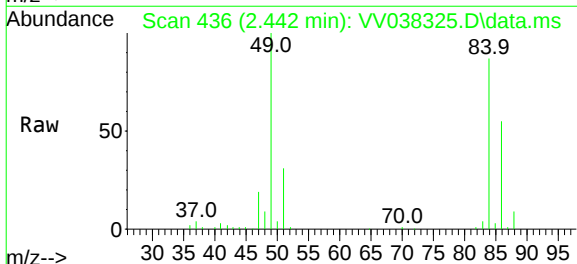
Instrument :
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ClientSampleId :
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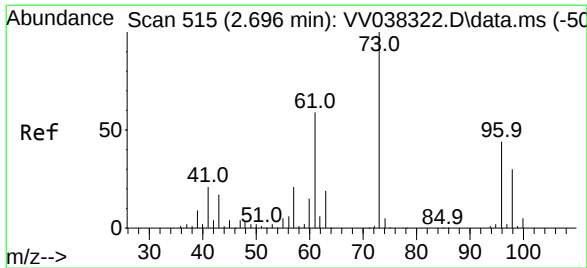
Tgt Ion: 96 Resp: 23257
Ion Ratio Lower Upper
96 100
61 201.9 115.7 214.9
63 335.9 101.1 187.7#



#16
Methylene chloride
Concen: 6.302 ug/L
RT: 2.442 min Scan# 436
Delta R.T. -0.000 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Tgt Ion: 84 Resp: 122817
Ion Ratio Lower Upper
84 100
86 63.1 44.2 82.2
49 115.4 74.9 139.1

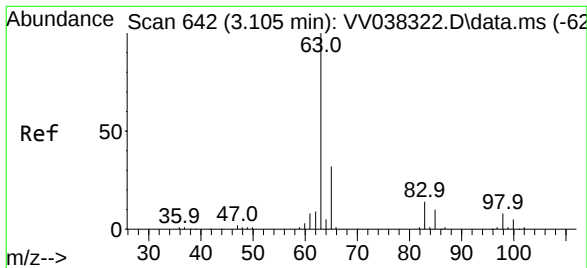
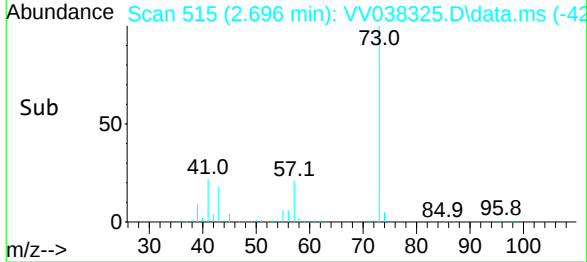
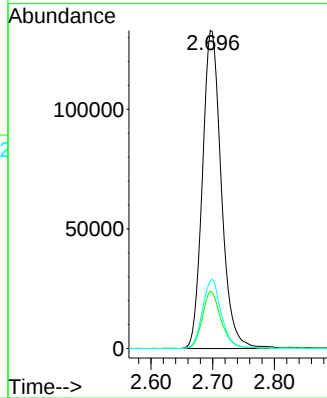
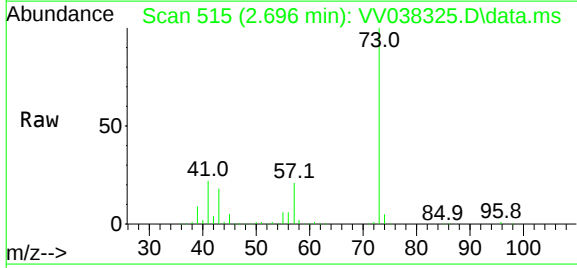




#17
Methyl tert-butyl Ether
Concen: 7.317 ug/L
RT: 2.696 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

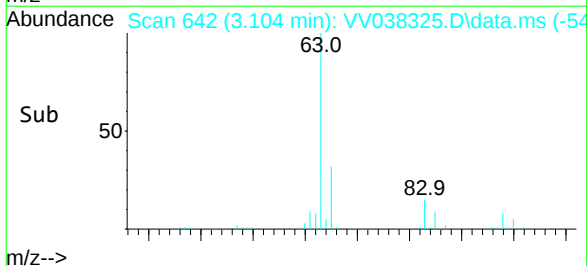
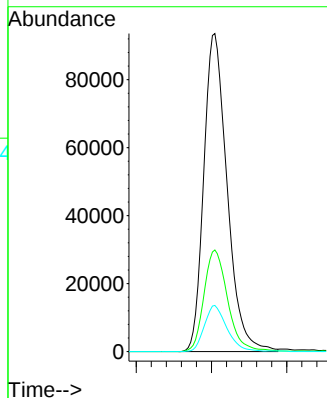
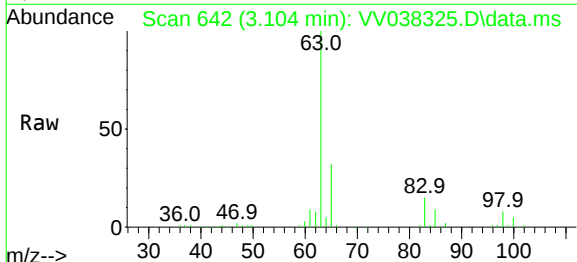
Instrument :
MSVOA_V
ClientSampleId :
BG3M5

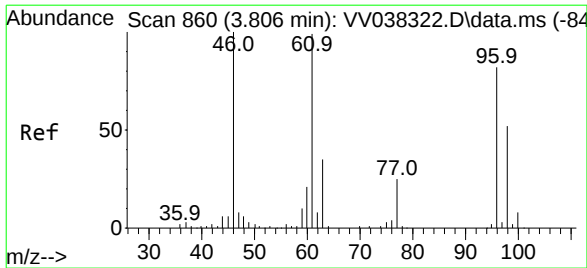
Tgt Ion:	73	Resp:	282725
Ion	Ratio	Lower	Upper
73	100		
43	17.8	14.2	21.2
57	21.7	17.6	26.4



#19
1,1-Dichloroethane
Concen: 6.176 ug/L
RT: 3.104 min Scan# 642
Delta R.T. -0.000 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Tgt Ion:	63	Resp:	201844
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.5	41.7
83	14.5	10.1	18.9

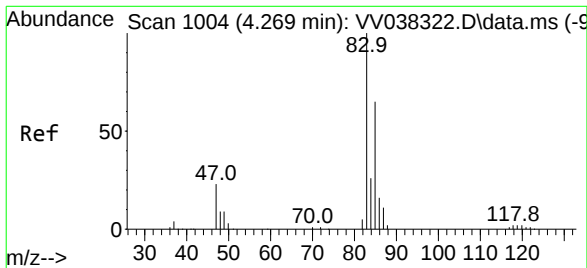
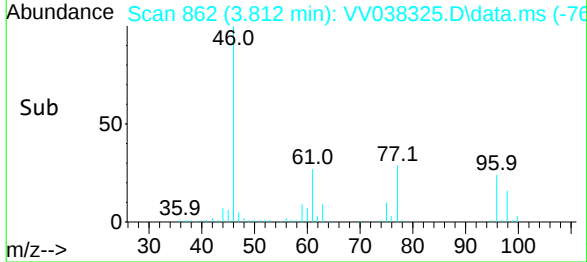
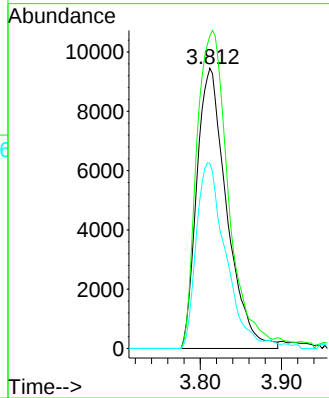
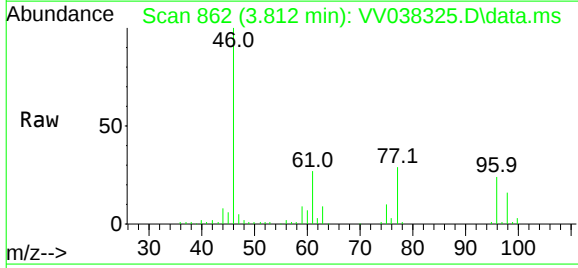




#22
cis-1,2-Dichloroethene
Concen: 1.298 ug/L
RT: 3.812 min Scan# 860
Delta R.T. 0.006 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

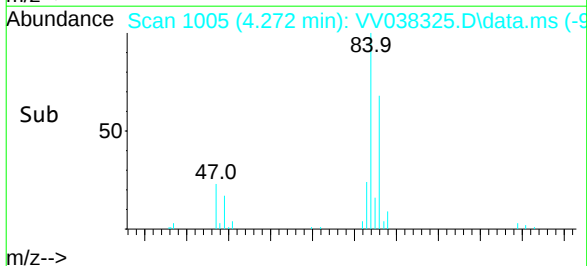
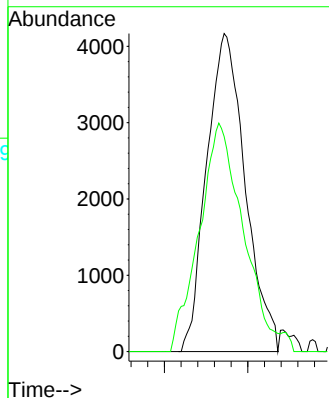
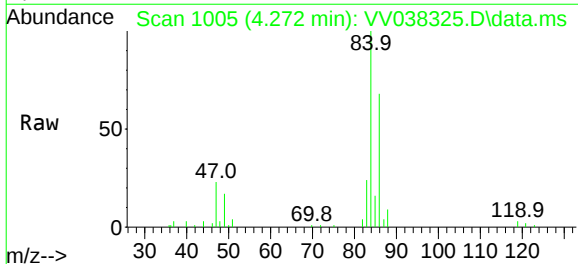
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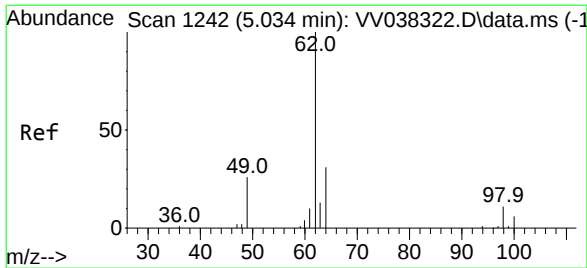
Tgt Ion:	96	Resp:	24156
Ion	Ratio	Lower	Upper
96	100		
61	111.6	82.7	153.5
98	66.0	46.3	85.9



#25
Chloroform
Concen: 0.382 ug/L
RT: 4.272 min Scan# 1005
Delta R.T. 0.003 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Tgt Ion:	83	Resp:	13369
Ion	Ratio	Lower	Upper
83	100		
85	67.6	46.5	86.3

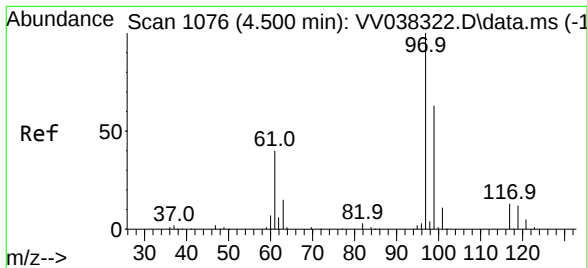
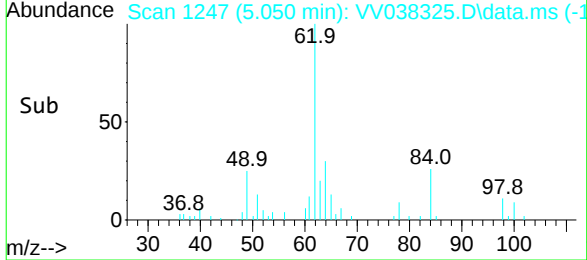
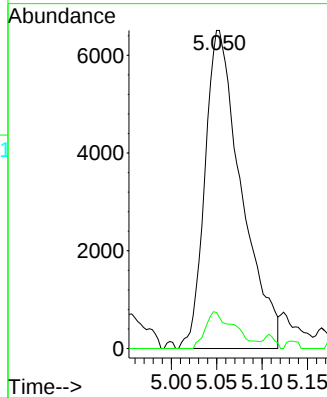
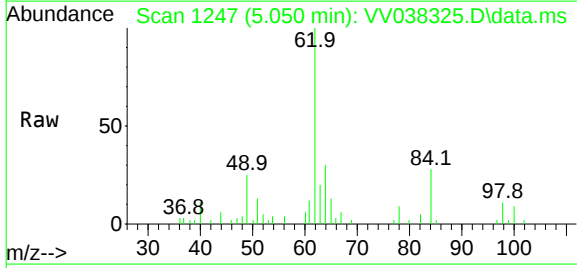




#27
1,2-Dichloroethane
Concen: 0.954 ug/L
RT: 5.050 min Scan# 1247
Delta R.T. 0.016 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

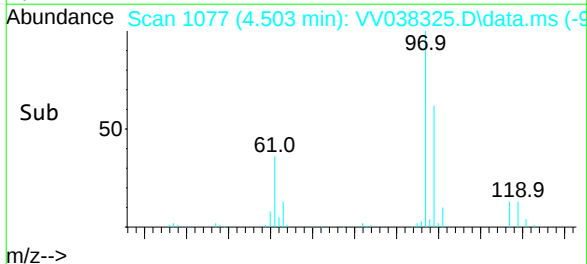
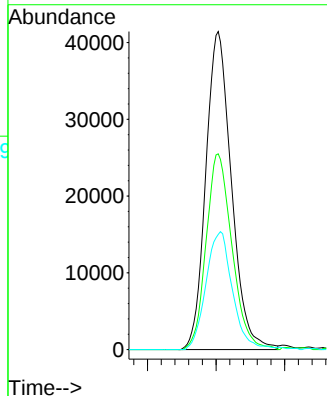
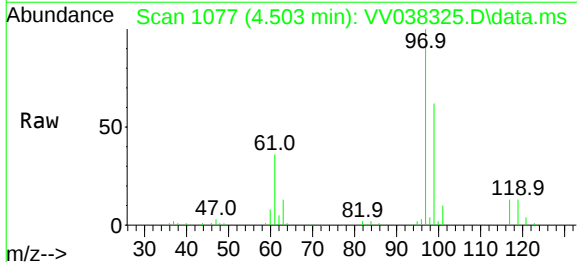
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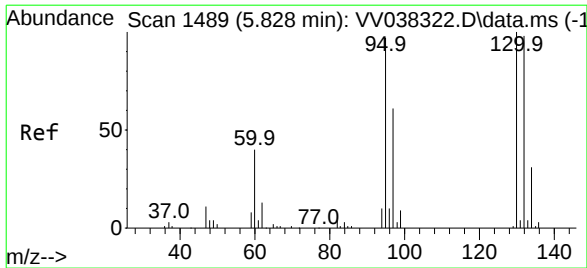
Tgt Ion: 62 Resp: 18156
Ion Ratio Lower Upper
62 100
98 11.3 8.2 12.4



#29
1,1,1-Trichloroethane
Concen: 3.565 ug/L
RT: 4.503 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

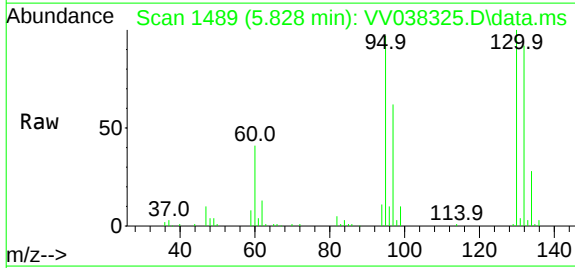
Tgt Ion: 97 Resp: 107673
Ion Ratio Lower Upper
97 100
99 62.0 51.8 77.8
61 38.2 32.2 48.2



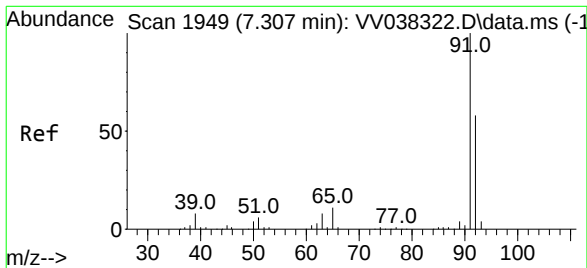
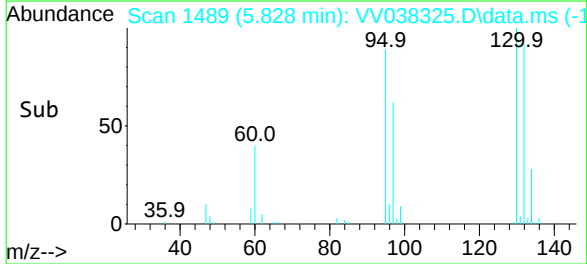
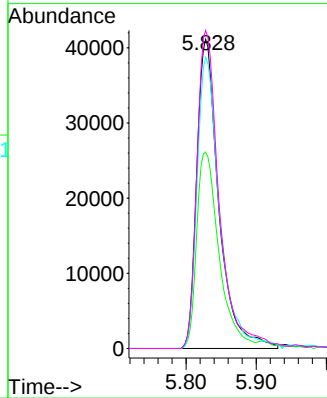


#34
Trichloroethene
Concen: 4.653 ug/L
RT: 5.828 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Instrument :
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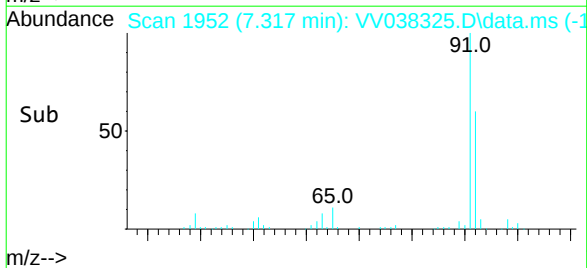
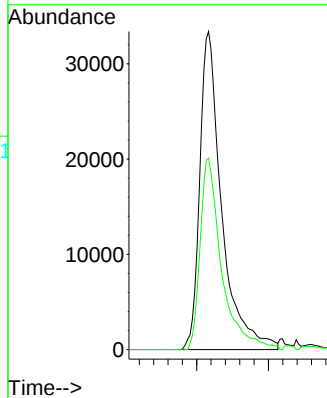
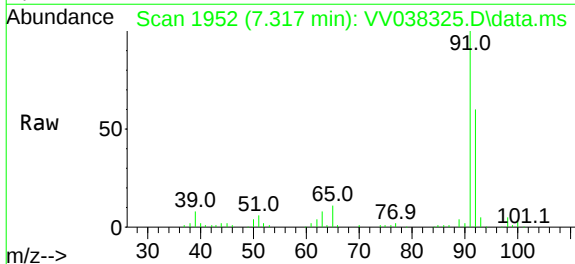


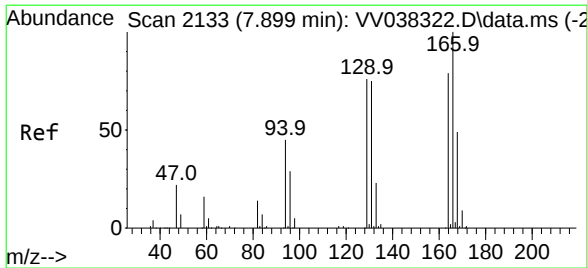
Tgt Ion: 95 Resp: 89725
Ion Ratio Lower Upper
95 100
97 63.5 44.8 83.2
132 94.2 68.3 126.8
130 102.9 70.2 130.4



#42
Toluene
Concen: 0.942 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. 0.009 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Tgt Ion: 91 Resp: 70613
Ion Ratio Lower Upper
91 100
92 60.2 40.8 75.8





#47

Tetrachloroethene

Concen: 10.369 ug/L

RT: 7.895 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

BG3M5

Tgt Ion:164 Resp: 160675

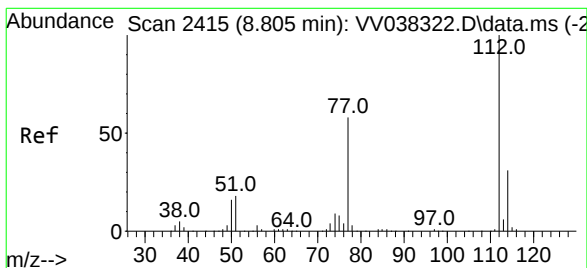
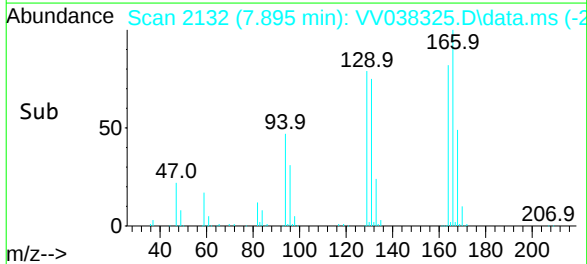
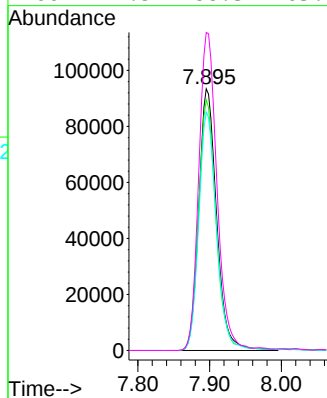
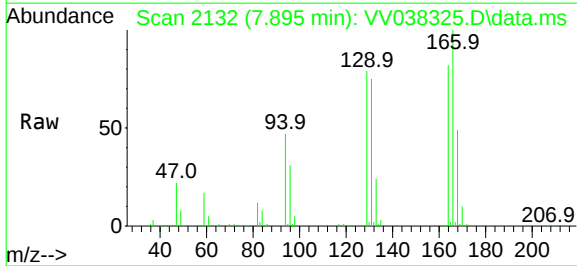
Ion Ratio Lower Upper

164 100

129 95.8 68.5 127.1

131 91.2 64.8 120.4

166 121.5 88.3 163.9



#51

Chlorobenzene

Concen: 0.924 ug/L

RT: 8.812 min Scan# 2417

Delta R.T. 0.006 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

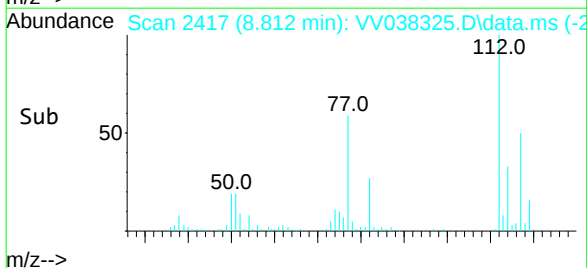
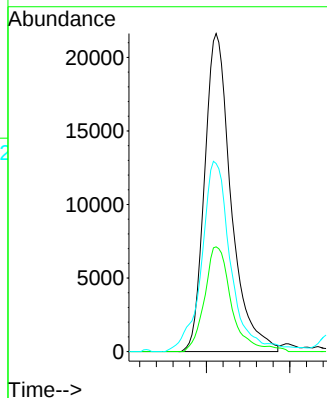
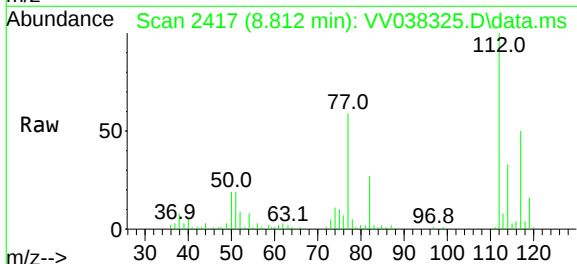
Tgt Ion:112 Resp: 47697

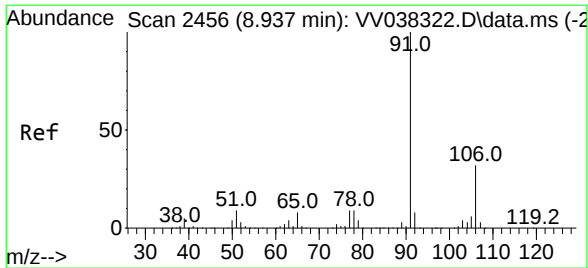
Ion Ratio Lower Upper

112 100

114 32.9 22.0 40.8

77 59.1 45.0 67.4

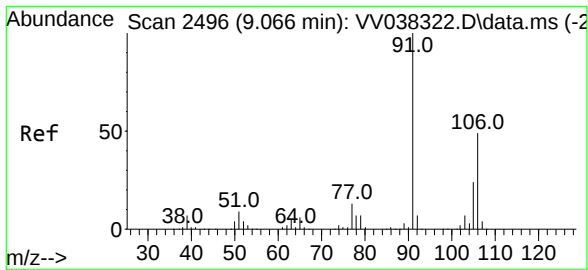
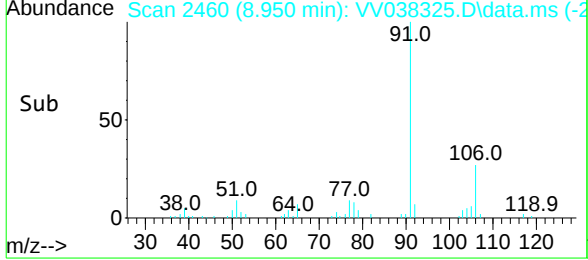
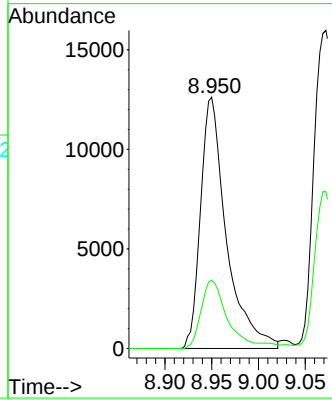
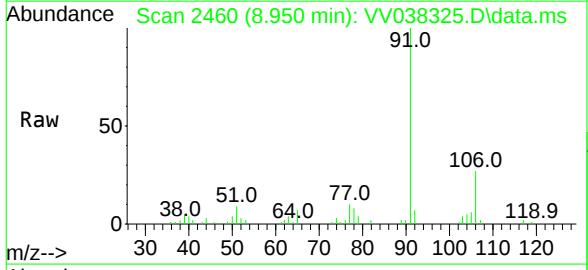




#52
 Ethylbenzene
 Concen: 0.306 ug/L
 RT: 8.950 min Scan# 2456
 Delta R.T. 0.013 min
 Lab File: VV038325.D
 Acq: 24 Nov 2024 12:28

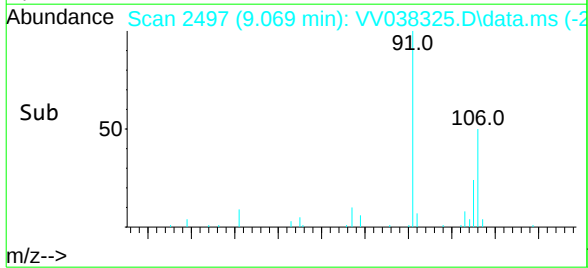
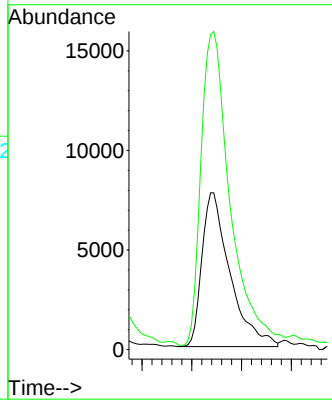
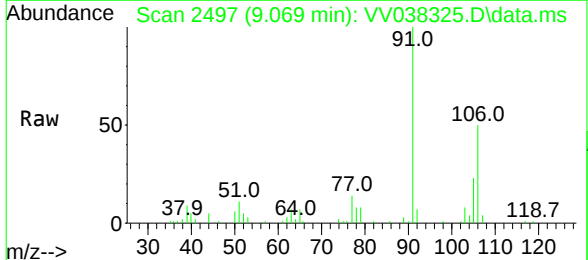
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3M5

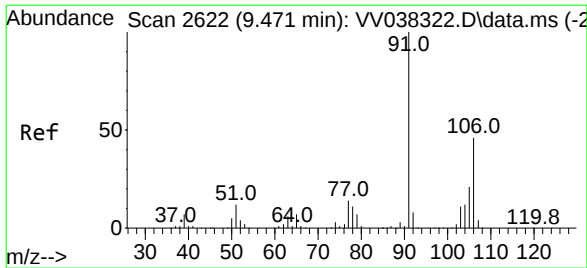
Tgt Ion:	91	Resp:	24285
Ion Ratio	Lower	Upper	
91	100		
106	27.2	21.8	40.4



#53
 m,p-Xylene
 Concen: 0.505 ug/L
 RT: 9.069 min Scan# 2497
 Delta R.T. 0.003 min
 Lab File: VV038325.D
 Acq: 24 Nov 2024 12:28

Tgt Ion:	106	Resp:	15144
Ion Ratio	Lower	Upper	
106	100		
91	201.0	138.7	257.5





#54

o-Xylene

Concen: 0.116 ug/L

RT: 9.484 min Scan# 26

Delta R.T. 0.013 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

Instrument :

MSVOA_V

ClientSampleId :

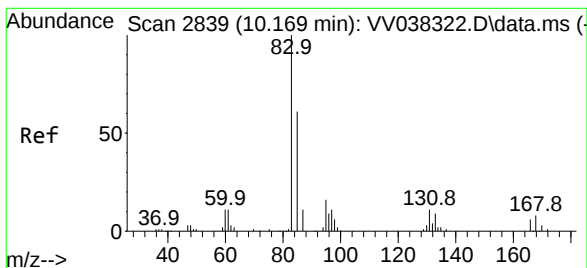
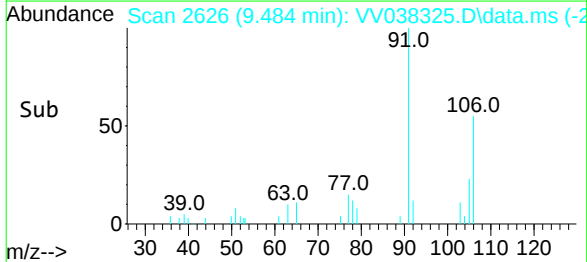
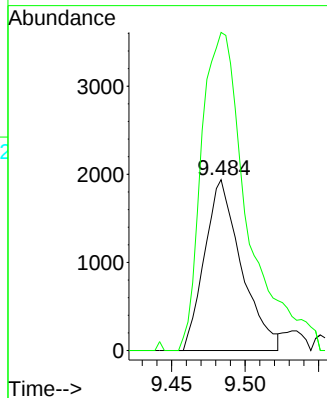
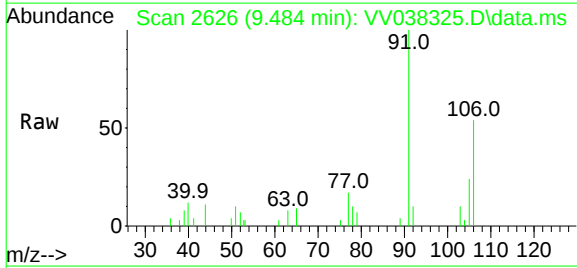
BG3M5

Tgt Ion:106 Resp: 3374

Ion Ratio Lower Upper

106 100

91 186.2 155.5 288.7



#57

1,1,2,2-Tetrachloroethane

Concen: 0.379 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. 0.006 min

Lab File: VV038325.D

Acq: 24 Nov 2024 12:28

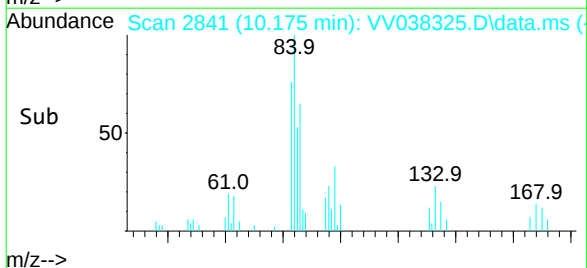
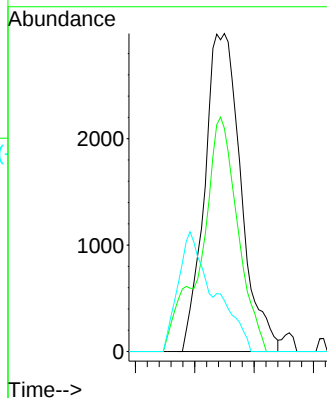
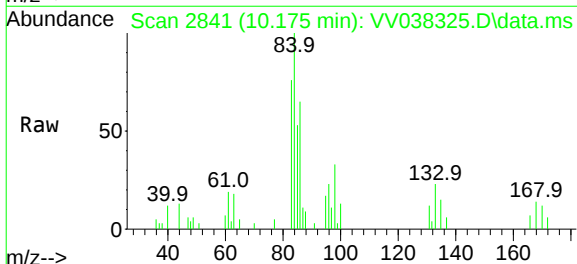
Tgt Ion: 83 Resp: 6363

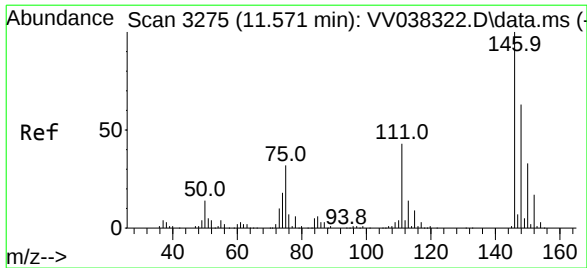
Ion Ratio Lower Upper

83 100

85 70.2 45.7 84.9

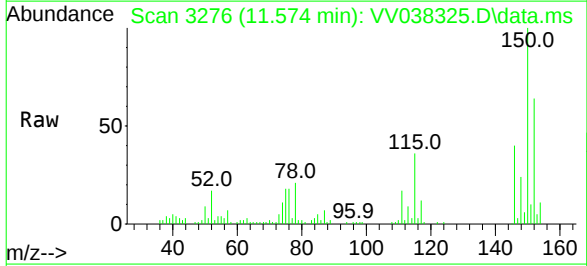
131 16.1 8.2 12.4#





#67
1,2-Dichlorobenzene
Concen: 0.511 ug/L
RT: 11.574 min Scan# 32
Delta R.T. 0.003 min
Lab File: VV038325.D
Acq: 24 Nov 2024 12:28

Instrument :
MSVOA_V
ClientSampleId :
BG3M5



Tgt Ion:	146	Resp:	16211
Ion	Ratio	Lower	Upper
146	100		
111	42.6	34.2	51.2
148	59.8	51.0	76.4

