

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070622\
 Data File : VV026660.D
 Acq On : 06 Jul 2022 10:18
 Operator : SY/MD
 Sample : VV0706WBL01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK389

Quant Time: Jul 07 01:16:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR062322WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 07 01:16:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	183128	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	177411	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	73649	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.320	65	68983	4.684	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.600%
7) Chloroethane-d5	1.581	69	58133	4.913	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.121	63	94029	3.593	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.800%
20) 2-Butanone-d5	3.928	46	72232	49.332	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.660%
24) Chloroform-d	4.359	84	113838	4.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.043	65	46274	4.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.056	84	221887	4.354	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.000%
36) 1,2-Dichloropropane-d6	6.076	67	66997	4.781	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.600%
41) Toluene-d8	7.320	98	177081	3.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.200%
43) trans-1,3-Dichloroprop...	7.629	79	14110	3.895	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.000%
46) 2-Hexanone-d5	8.095	63	58547	42.436	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.880%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	44127	4.814	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	11.622	152	58171	4.773	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						Qvalue
3) Chloromethane	1.256	50	651	0.043	ug/L	93
6) Bromomethane	1.539	94	1273	0.145	ug/L	97
8) Chloroethane	1.651	64	1387	0.126	ug/L #	56
12) 1,1-Dichloroethene	2.124	96	1177	0.095	ug/L #	1
14) Carbon disulfide	2.310	76	2550	0.078	ug/L #	92
16) Methylene chloride	2.523	84	5415	0.412	ug/L	95
37) 1,2-Dichloropropane	6.072	63	7015	0.562	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	983	0.078	ug/L	85
49) Dibromochloromethane	7.979	129	265	0.033	ug/L #	11
51) Chlorobenzene	8.883	112	1439	0.041	ug/L #	86
60) Isopropylbenzene	9.931	105	1445	0.032	ug/L #	89
61) 1,2,3-Trichloropropane	11.188	75	467	0.098	ug/L #	59
62) 1,3,5-Trimethylbenzene	10.538	105	1116	0.031	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.651	75	339	0.396	ug/L #	1
69) 1,3,5-Trichlorobenzene	12.651	180	2058	0.130	ug/L	97
70) 1,2,4-trichlorobenzene	13.265	180	1906	0.170	ug/L	92
71) Naphthalene	13.509	128	4648	0.318	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.747	180	2149	0.234	ug/L	88

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Quant Time: Jul 07 01:16:50 2022
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Jul 07 01:16:16 2022
Response via : Initial Calibration

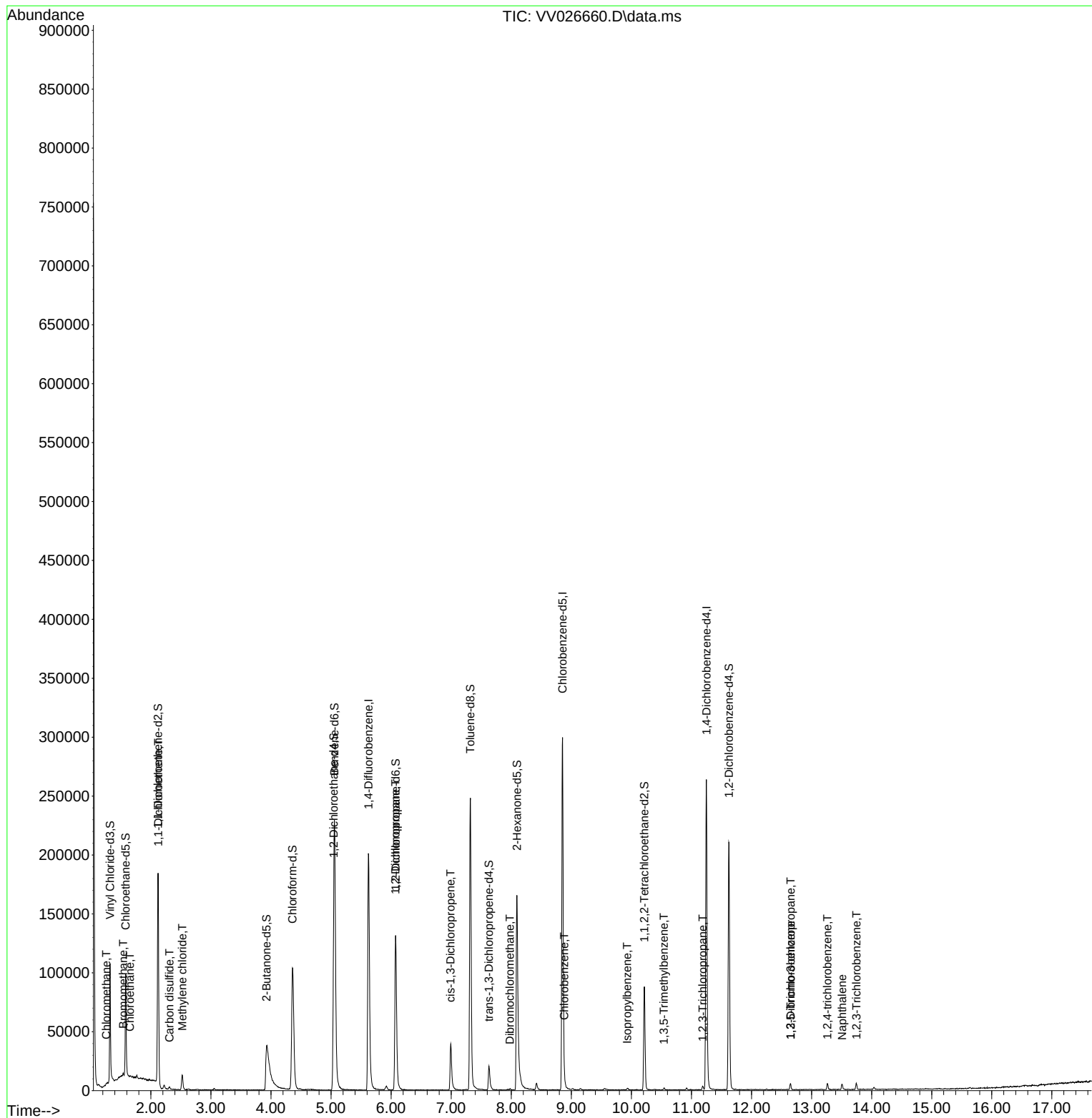
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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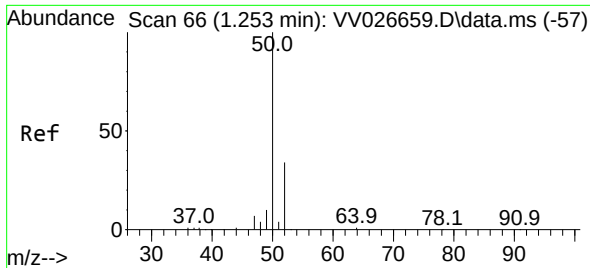
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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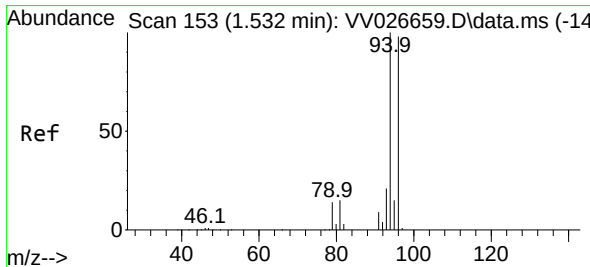
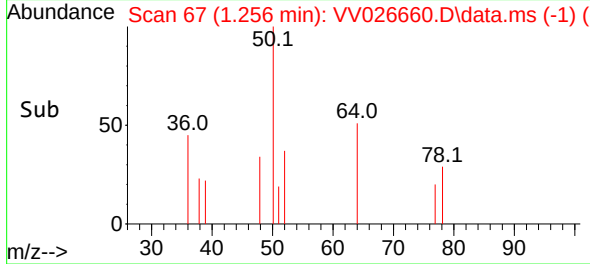
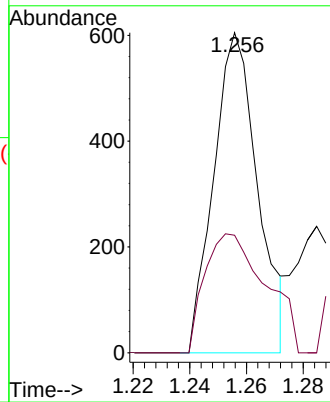
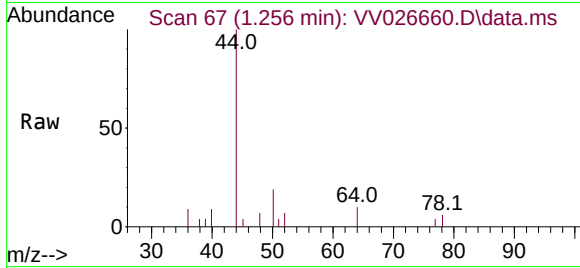




#3
Chloromethane
Concen: 0.043 ug/L
RT: 1.256 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

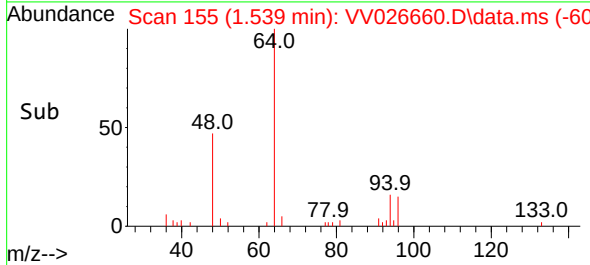
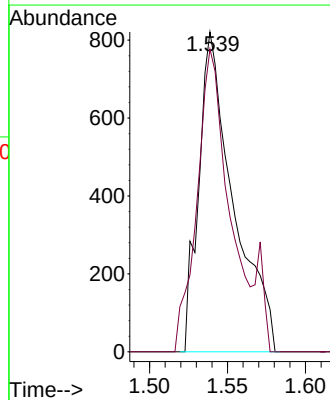
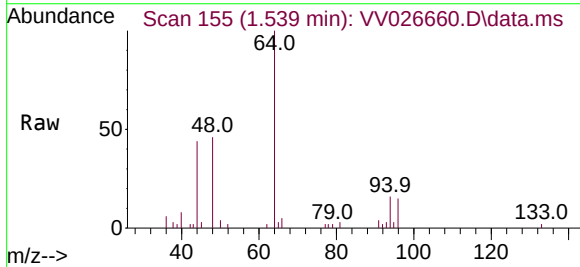
Instrument :
MSVOA_V
ClientSampleId :
VBLK389

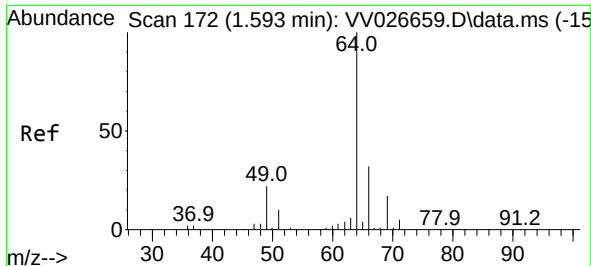
Tgt Ion: 50 Resp: 651
Ion Ratio Lower Upper
50 100
52 36.7 23.0 42.6



#6
Bromomethane
Concen: 0.145 ug/L
RT: 1.539 min Scan# 155
Delta R.T. 0.006 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

Tgt Ion: 94 Resp: 1273
Ion Ratio Lower Upper
94 100
96 94.6 68.0 126.2

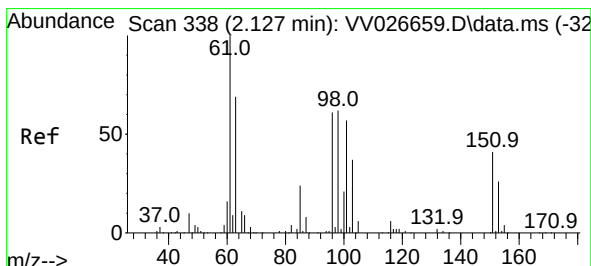
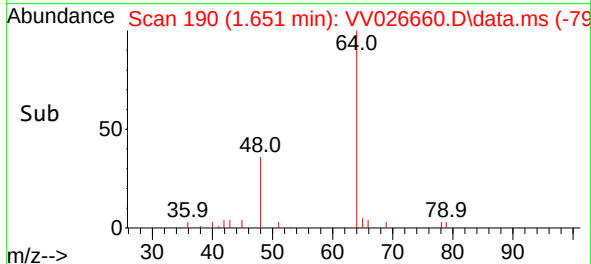
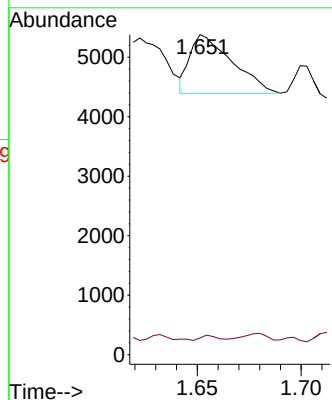
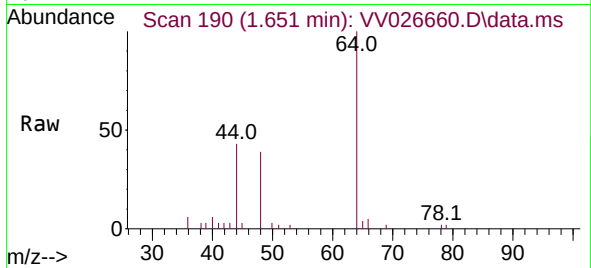




#8
Chloroethane
Concen: 0.126 ug/L
RT: 1.651 min Scan# 11
Delta R.T. 0.058 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

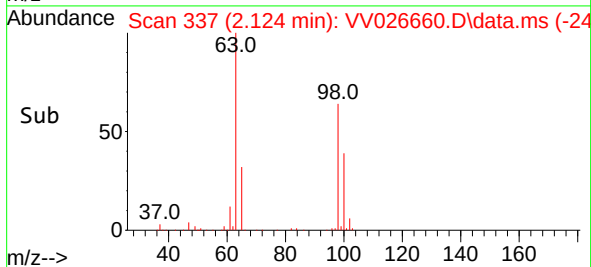
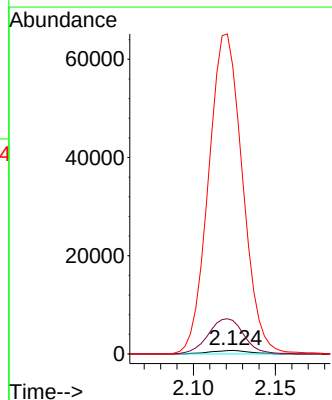
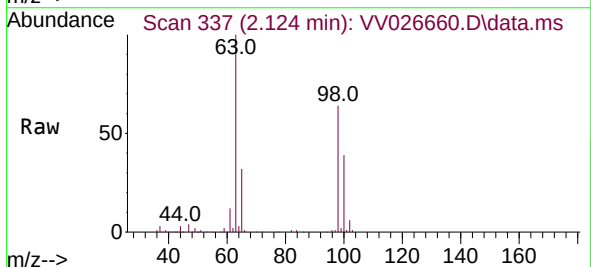
Instrument :
MSVOA_V
ClientSampleId :
VBLK389

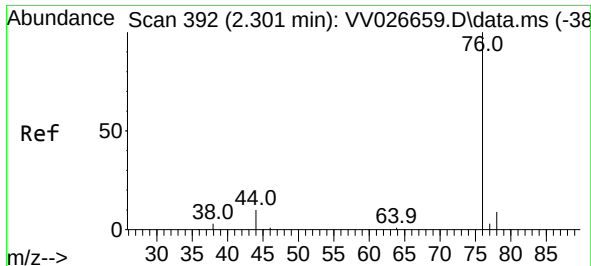
Tgt Ion: 64 Resp: 1387
Ion Ratio Lower Upper
64 100
66 5.2 20.0 37.2#



#12
1,1-Dichloroethene
Concen: 0.095 ug/L
RT: 2.124 min Scan# 337
Delta R.T. -0.003 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

Tgt Ion: 96 Resp: 1177
Ion Ratio Lower Upper
96 100
61 950.0 115.4 214.4#
63 8154.4 87.4 162.2#

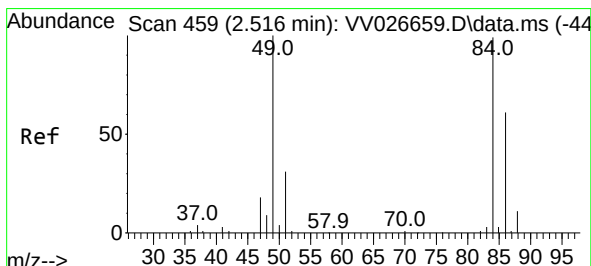
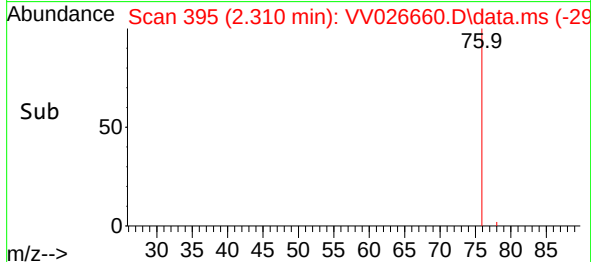
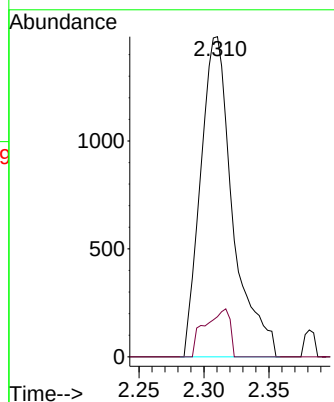
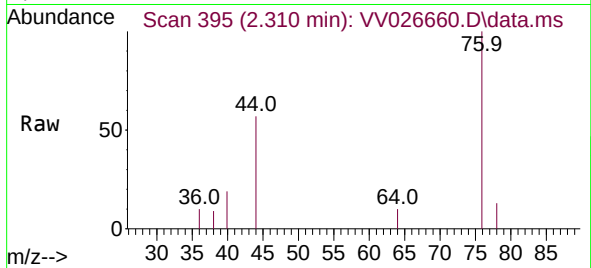




#14
Carbon disulfide
Concen: 0.078 ug/L
RT: 2.310 min Scan# 392
Delta R.T. 0.010 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

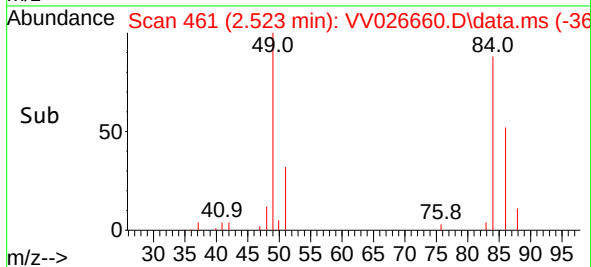
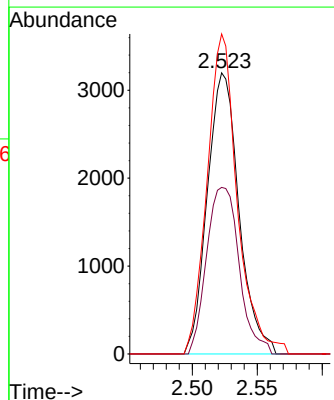
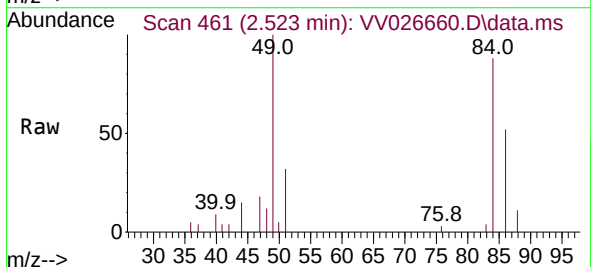
Instrument :
MSVOA_V
ClientSampleId :
VBLK389

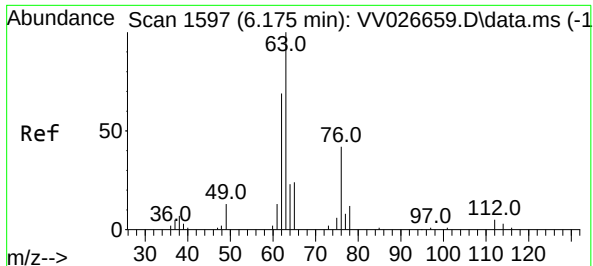
Tgt Ion: 76 Resp: 2550
Ion Ratio Lower Upper
76 100
78 12.5 7.8 11.6#



#16
Methylene chloride
Concen: 0.412 ug/L
RT: 2.523 min Scan# 461
Delta R.T. 0.006 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

Tgt Ion: 84 Resp: 5415
Ion Ratio Lower Upper
84 100
86 59.3 46.0 85.4
49 113.9 77.7 144.3





#37

1,2-Dichloropropane

Concen: 0.562 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV026660.D

Acq: 06 Jul 2022 10:18

Instrument :

MSVOA_V

ClientSampleId :

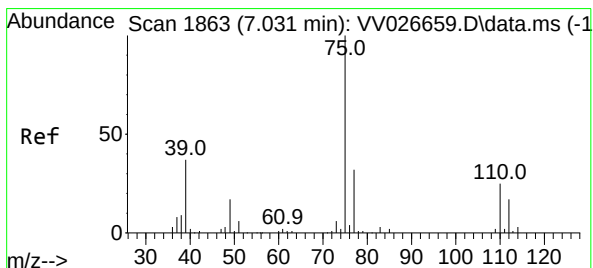
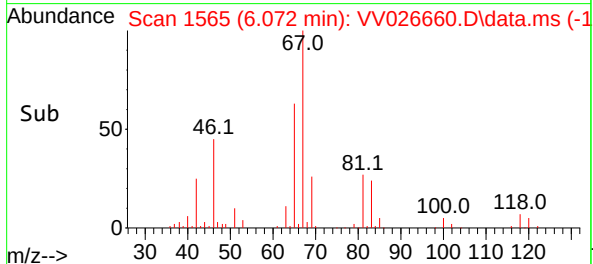
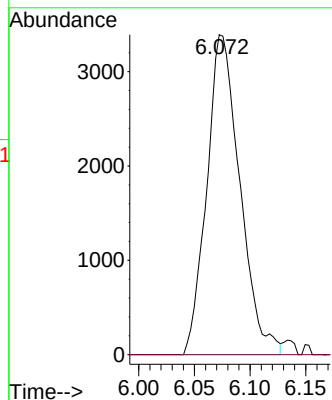
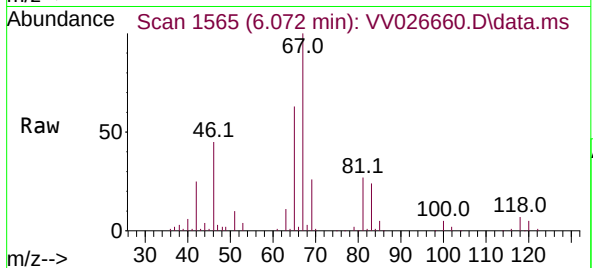
VBLK389

Tgt Ion: 63 Resp: 7015

Ion Ratio Lower Upper

63 100

112 0.0 4.2 6.4#



#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.042 min

Lab File: VV026660.D

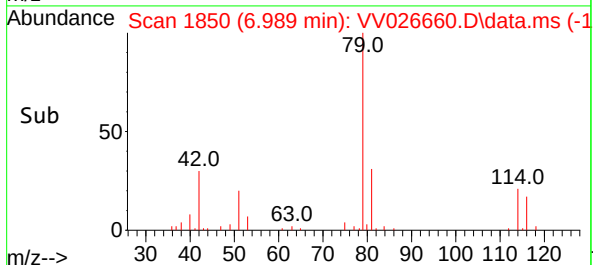
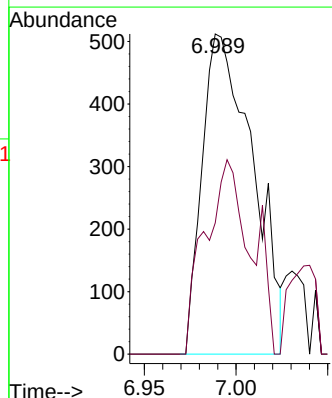
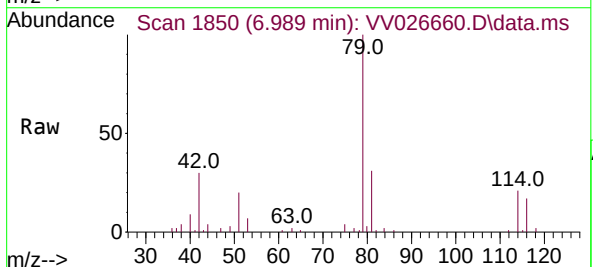
Acq: 06 Jul 2022 10:18

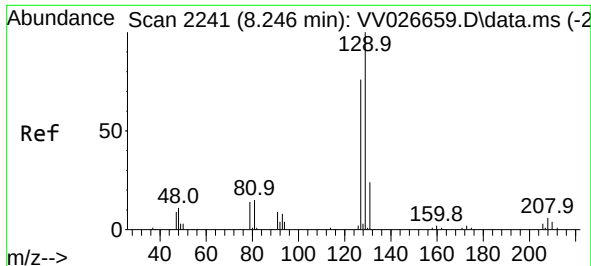
Tgt Ion: 75 Resp: 983

Ion Ratio Lower Upper

75 100

77 41.0 22.8 42.4





#49

Dibromochloromethane

Concen: 0.033 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV026660.D

Acq: 06 Jul 2022 10:18

Instrument :

MSVOA_V

ClientSampleId :

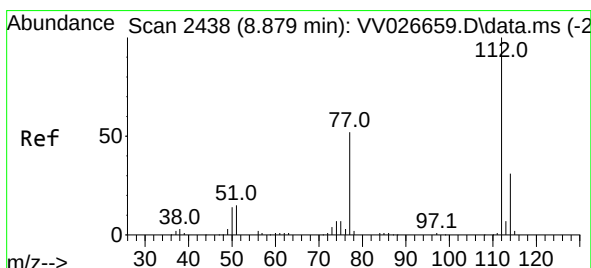
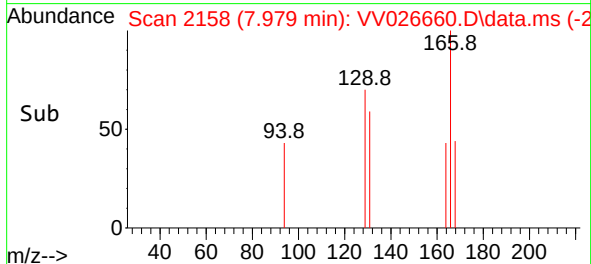
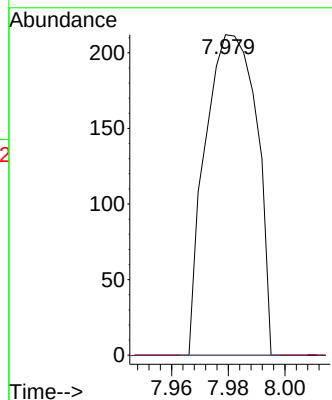
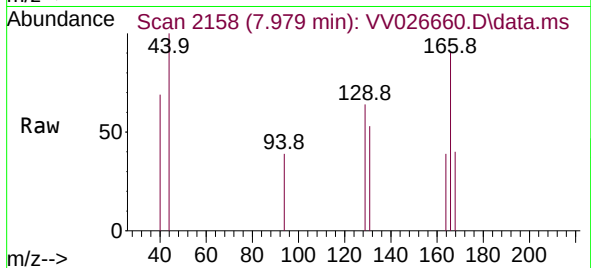
VBLK389

Tgt Ion:129 Resp: 265

Ion Ratio Lower Upper

129 100

127 0.0 54.2 100.6#



#51

Chlorobenzene

Concen: 0.041 ug/L

RT: 8.883 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VV026660.D

Acq: 06 Jul 2022 10:18

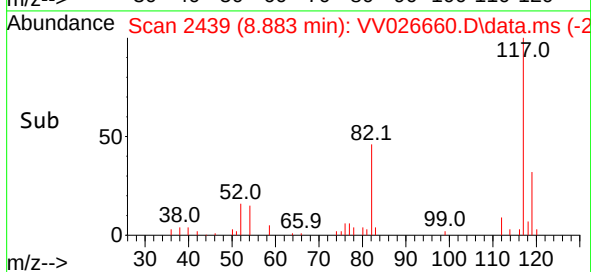
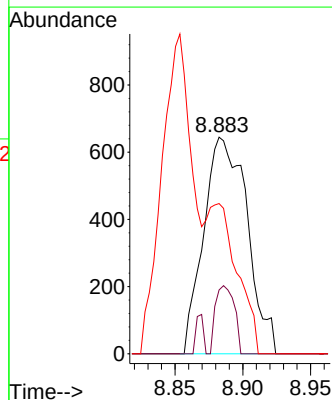
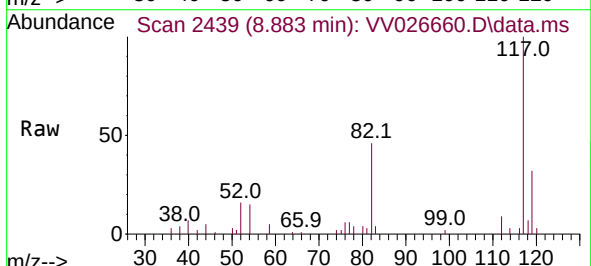
Tgt Ion:112 Resp: 1439

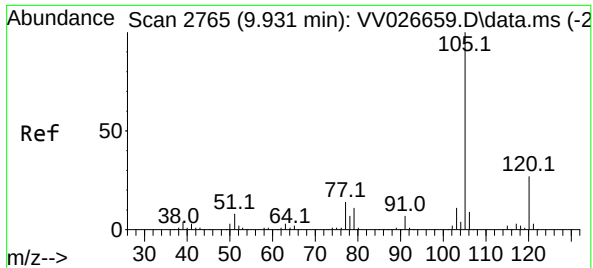
Ion Ratio Lower Upper

112 100

114 29.5 22.3 41.5

77 69.3 44.4 66.6#

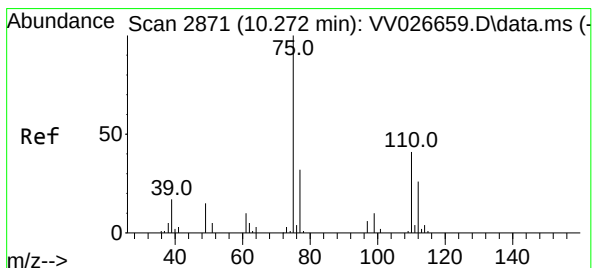
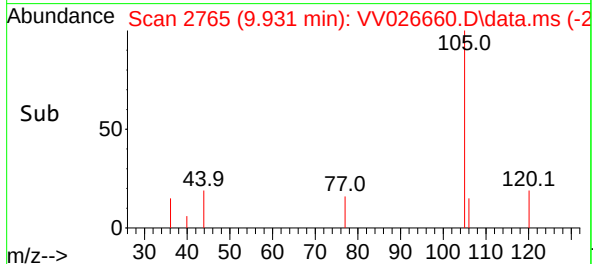
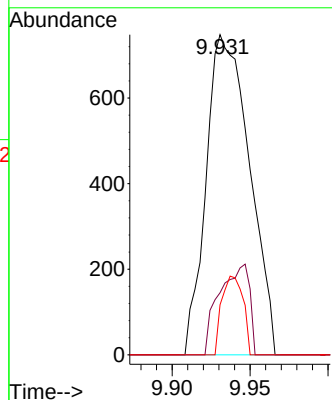
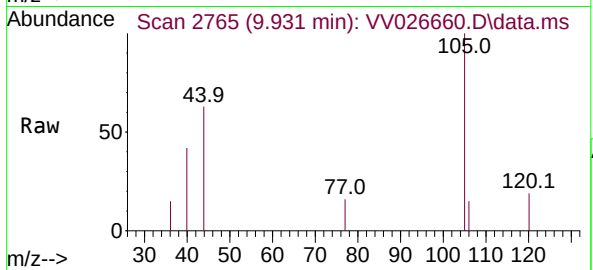




#60
Isopropylbenzene
Concen: 0.032 ug/L
RT: 9.931 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

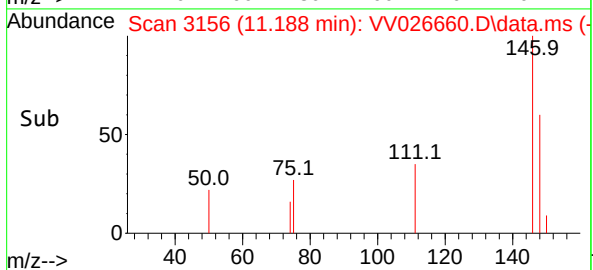
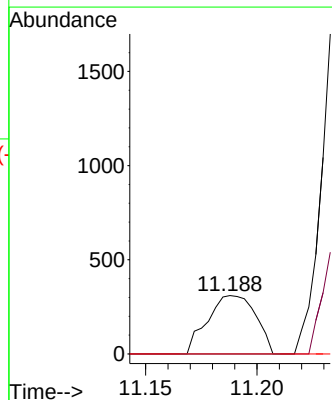
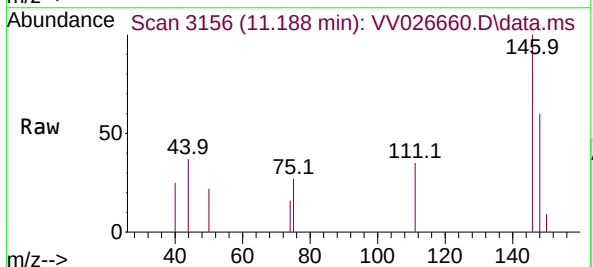
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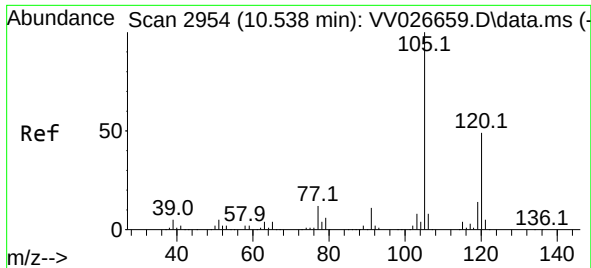
Tgt Ion:105 Resp: 1445
Ion Ratio Lower Upper
105 100
120 19.7 21.4 32.2#
77 12.0 11.6 17.4



#61
1,2,3-Trichloropropane
Concen: 0.098 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.916 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

Tgt Ion: 75 Resp: 467
Ion Ratio Lower Upper
75 100
77 25.9 25.8 38.6
110 0.0 32.5 48.7#

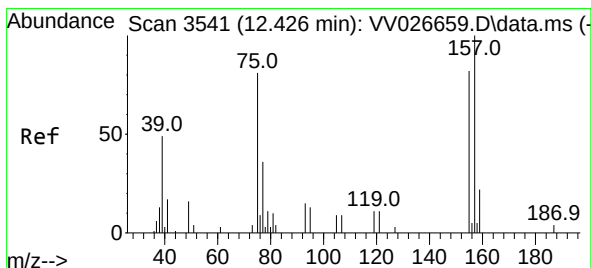
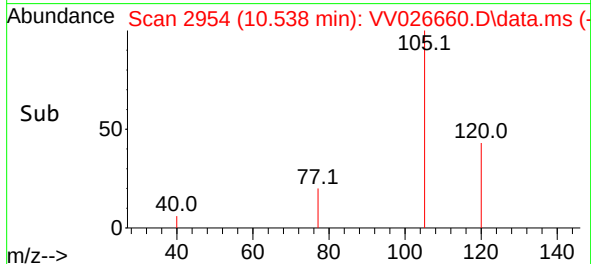
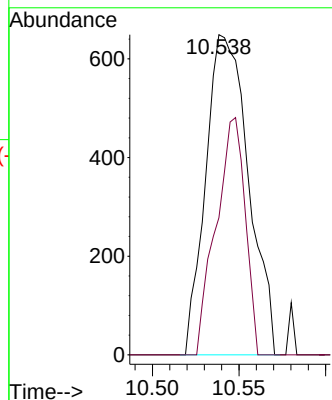
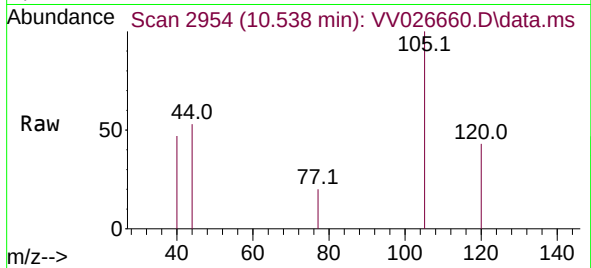




#62
 1,3,5-Trimethylbenzene
 Concen: 0.031 ug/L
 RT: 10.538 min Scan# 2954
 Delta R.T. -0.000 min
 Lab File: VV026660.D
 Acq: 06 Jul 2022 10:18

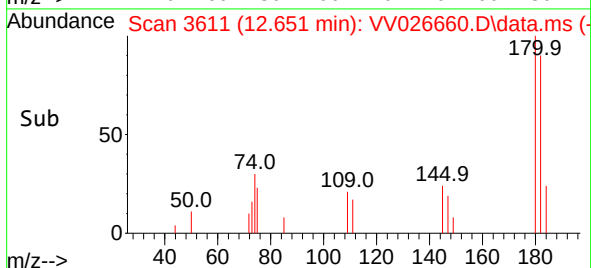
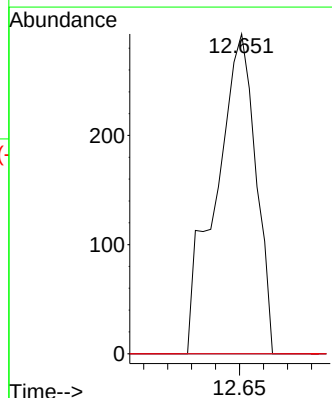
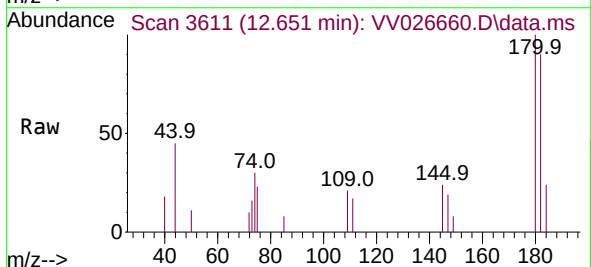
Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK389

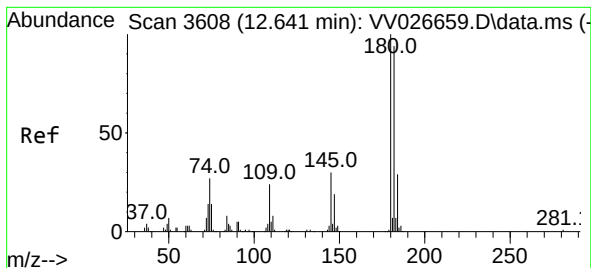
Tgt Ion:105 Resp: 1116
 Ion Ratio Lower Upper
 105 100
 120 50.3 39.6 59.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.396 ug/L
 RT: 12.651 min Scan# 3611
 Delta R.T. 0.225 min
 Lab File: VV026660.D
 Acq: 06 Jul 2022 10:18

Tgt Ion: 75 Resp: 339
 Ion Ratio Lower Upper
 75 100
 155 0.0 74.7 112.1#
 157 0.0 96.9 145.3#





#69

1,3,5-Trichlorobenzene

Concen: 0.130 ug/L

RT: 12.651 min Scan# 30

Delta R.T. 0.010 min

Lab File: VV026660.D

Acq: 06 Jul 2022 10:18

Instrument :

MSVOA_V

ClientSampleId :

VBLK389

Tgt Ion:180 Resp: 2058

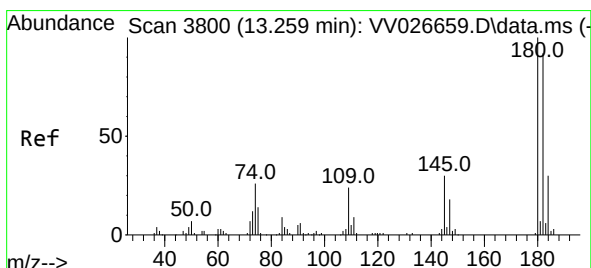
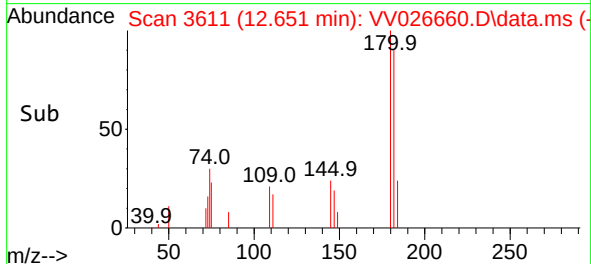
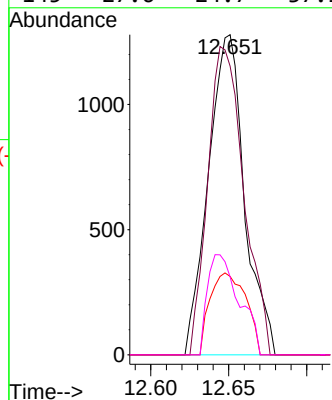
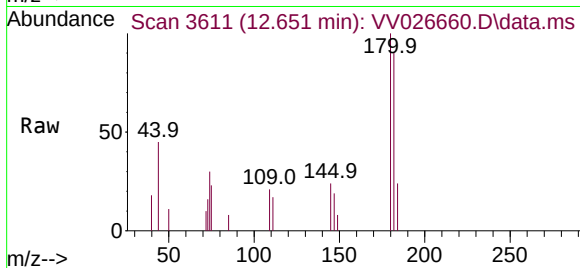
Ion Ratio Lower Upper

180 100

182 96.0 76.6 115.0

184 25.4 24.1 36.1

145 27.6 24.7 37.1



#70

1,2,4-trichlorobenzene

Concen: 0.170 ug/L

RT: 13.265 min Scan# 3802

Delta R.T. 0.006 min

Lab File: VV026660.D

Acq: 06 Jul 2022 10:18

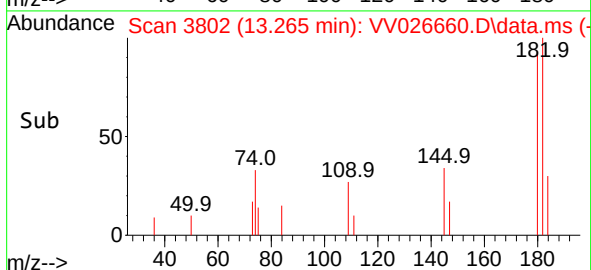
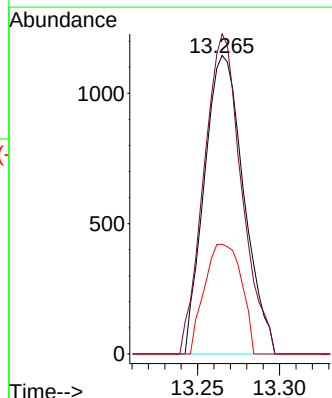
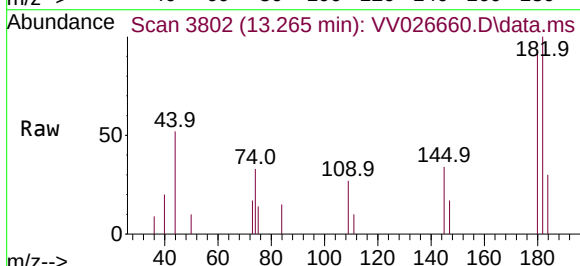
Tgt Ion:180 Resp: 1906

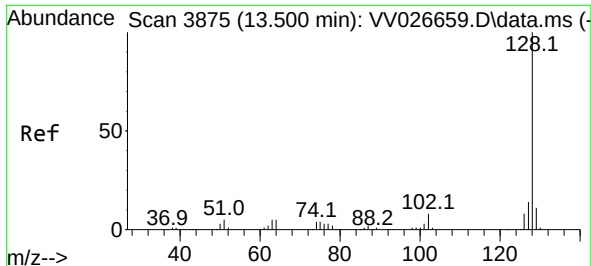
Ion Ratio Lower Upper

180 100

182 102.6 75.2 112.8

145 34.4 24.4 36.6

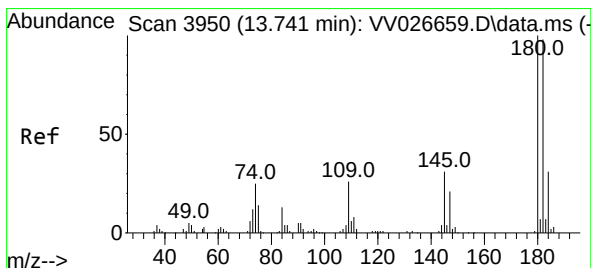
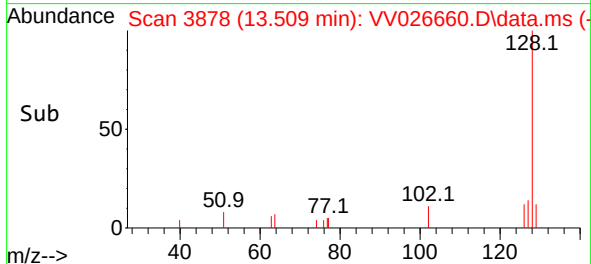
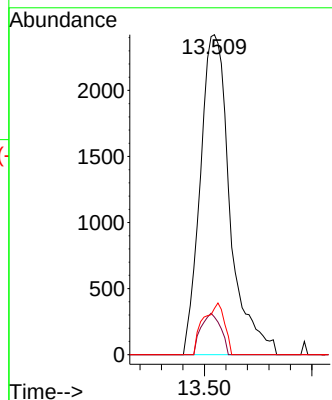
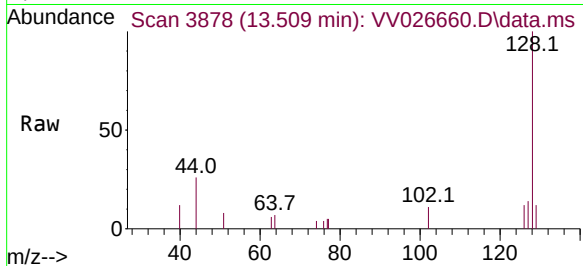




#71
Naphthalene
Concen: 0.318 ug/L
RT: 13.509 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

Instrument :
MSVOA_V
ClientSampleId :
VBLK389

Tgt Ion:128 Resp: 4648
Ion Ratio Lower Upper
128 100
129 8.5 8.6 12.8#
127 11.4 10.2 15.4



#72
1,2,3-Trichlorobenzene
Concen: 0.234 ug/L
RT: 13.747 min Scan# 3952
Delta R.T. 0.006 min
Lab File: VV026660.D
Acq: 06 Jul 2022 10:18

Tgt Ion:180 Resp: 2149
Ion Ratio Lower Upper
180 100
182 84.0 76.8 115.2
145 25.8 25.8 38.6

