

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061622\
 Data File : VW026332.D
 Acq On : 16 Jun 2022 14:35
 Operator : SY/MD
 Sample : N3275-05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COBD7

Quant Time: Jun 17 05:20:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 17 05:16:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	237919	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	215070	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	92532	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	68961	3.337	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.800%
7) Chloroethane-d5	1.581	69	59548	3.665	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.200%
11) 1,1-Dichloroethene-d2	2.118	63	98128	2.765	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.400%#
20) 2-Butanone-d5	3.925	46	99127	49.160	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.320%
24) Chloroform-d	4.362	84	125155	4.132	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.600%
26) 1,2-Dichloroethane-d4	5.044	65	51765	4.040	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.800%
32) Benzene-d6	5.060	84	240059	4.175	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.600%
36) 1,2-Dichloropropane-d6	6.076	67	76558	4.562	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.200%
41) Toluene-d8	7.320	98	206295	3.935	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.600%
43) trans-1,3-Dichloroprop...	7.625	79	20040	3.683	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.600%
46) 2-Hexanone-d5	8.092	63	68833	41.875	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.740%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	43789	4.236	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	74567	5.232	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.253	50	3398	0.172	ug/L	95
6) Bromomethane	1.542	94	486	0.042	ug/L	96
8) Chloroethane	1.597	64	1220	0.096	ug/L	92
9) Trichlorofluoromethane	1.767	101	1413	0.050	ug/L	100
13) Acetone	2.211	43	399163	255.438	ug/L	88
15) Methyl Acetate	2.211	43	392439	104.666	ug/L #	48
21) 2-Butanone	4.027	43	7909	3.911	ug/L #	71
22) cis-1,2-Dichloroethene	3.928	96	810	0.055	ug/L #	1
27) 1,2-Dichloroethane	5.063	62	1266	0.092	ug/L #	71
33) Benzene	5.108	78	6253	0.113	ug/L	100
34) Trichloroethene	5.918	95	304391	20.220	ug/L	98
35) Methylcyclohexane	6.076	83	18494	0.888	ug/L #	22
37) 1,2-Dichloropropane	6.076	63	8025	0.556	ug/L #	89
39) cis-1,3-Dichloropropene	6.989	75	1752	0.106	ug/L	84
42) Toluene	7.397	91	18709	0.323	ug/L	97
44) trans-1,3-Dichloropropene	7.625	75	1022	0.078	ug/L	92
47) Tetrachloroethene	7.979	164	4155	0.373	ug/L	95
49) Dibromochloromethane	7.982	129	4131	0.394	ug/L #	9
52) Ethylbenzene	9.021	91	4360	0.075	ug/L	97

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Response via : Initial Calibration

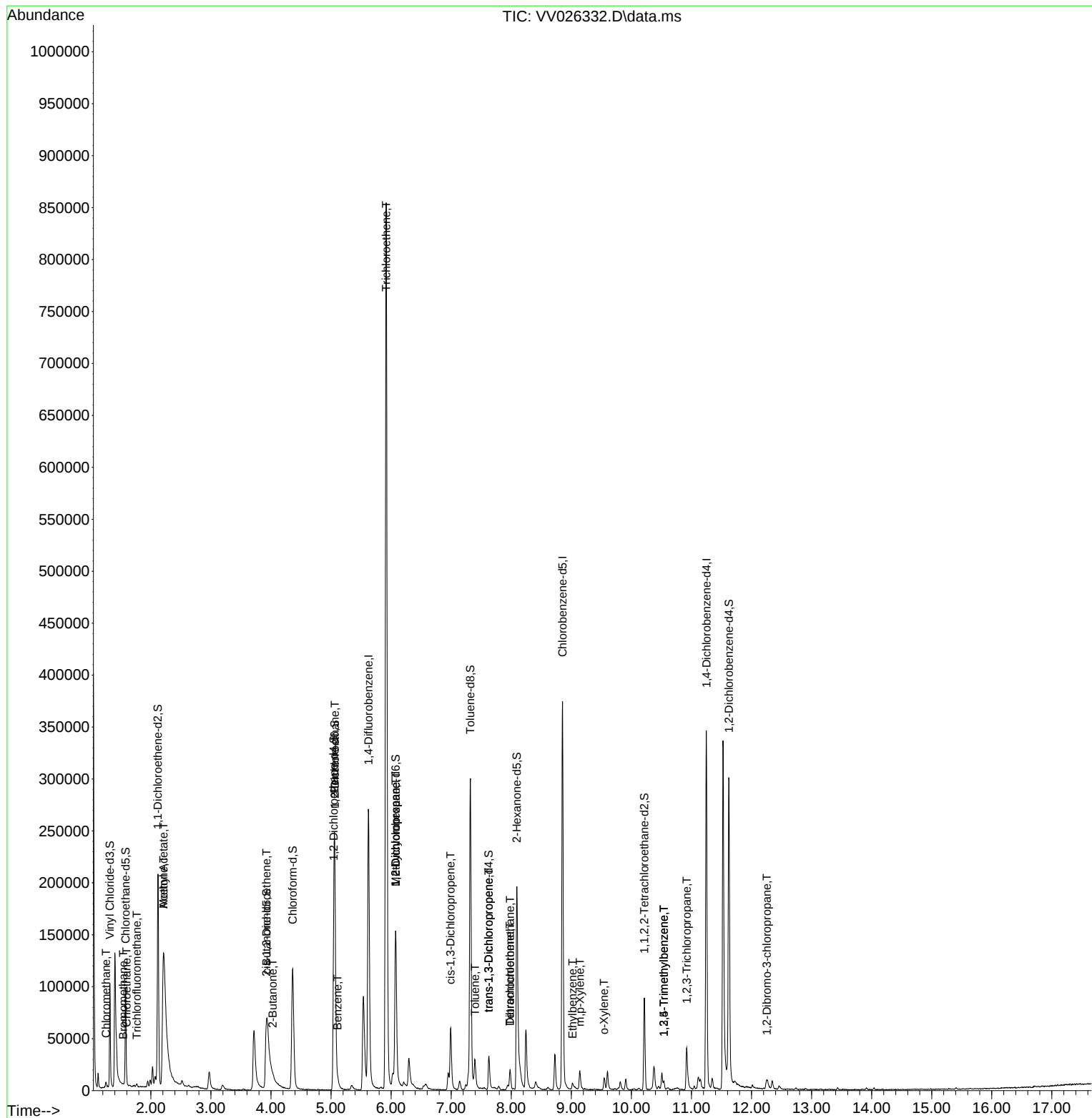
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.143	106	5603	0.247	ug/L	98
54) o-Xylene	9.545	106	3061	0.139	ug/L	83
61) 1,2,3-Trichloropropane	10.921	75	795	0.132	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.542	105	3859	0.099	ug/L	97
63) 1,2,4-Trimethylbenzene	10.542	105	3859	0.100	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.252	75	222	0.209	ug/L #	3

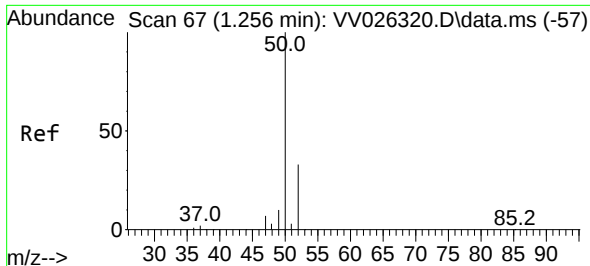
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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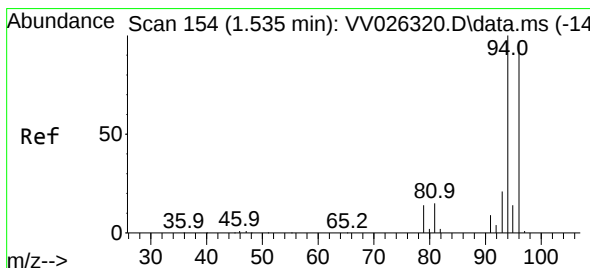
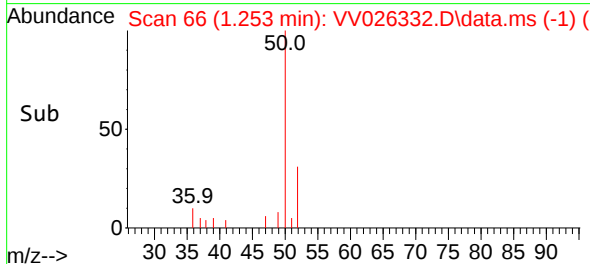
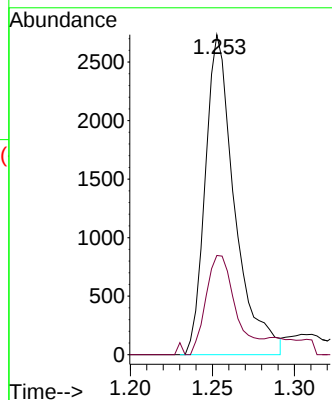
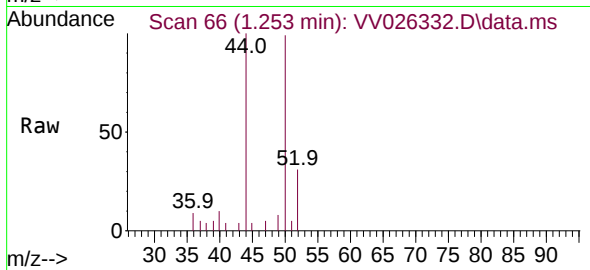




#3
Chloromethane
Concen: 0.172 ug/L
RT: 1.253 min Scan# 61
Delta R.T. -0.003 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

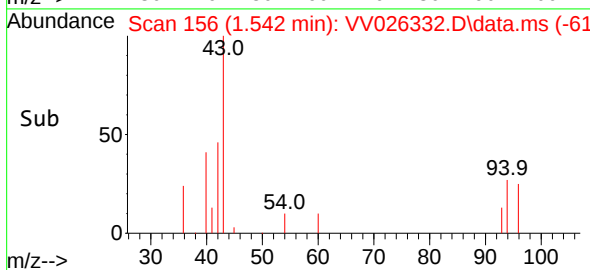
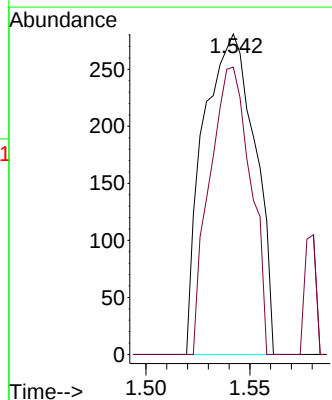
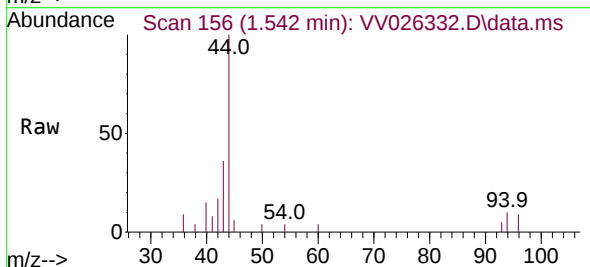
Instrument :
MSVOA_V
ClientSampleId :
C0BD7

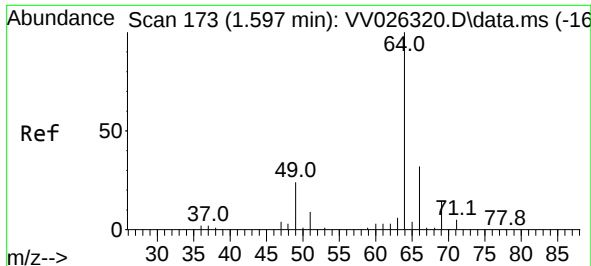
Tgt Ion: 50 Resp: 3398
Ion Ratio Lower Upper
50 100
52 31.0 23.7 44.1



#6
Bromomethane
Concen: 0.042 ug/L
RT: 1.542 min Scan# 156
Delta R.T. 0.007 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

Tgt Ion: 94 Resp: 486
Ion Ratio Lower Upper
94 100
96 89.7 65.7 121.9

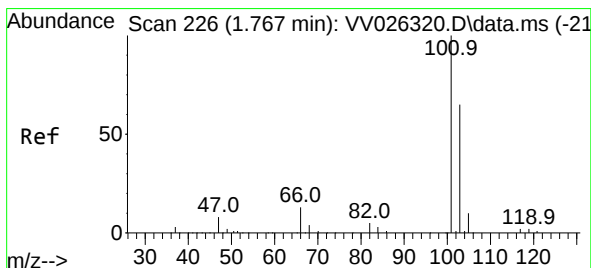
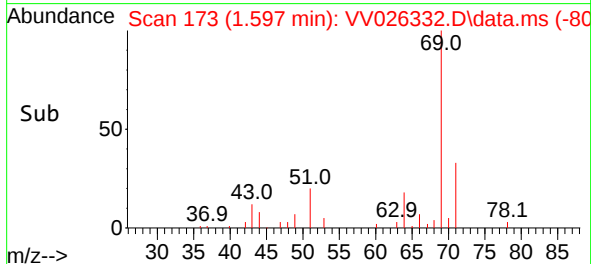
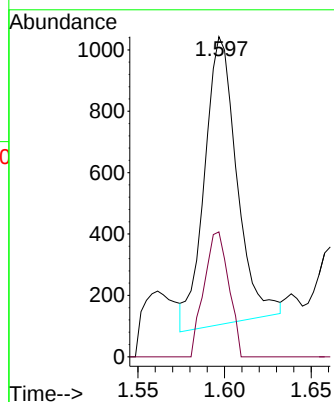
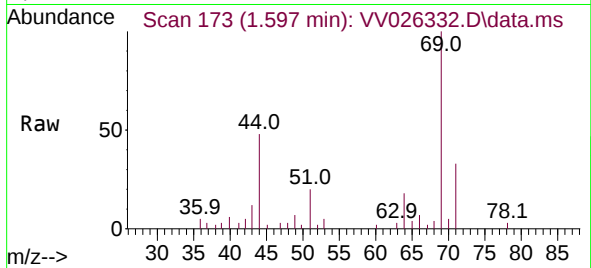




#8
Chloroethane
Concen: 0.096 ug/L
RT: 1.597 min Scan# 173
Delta R.T. 0.000 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

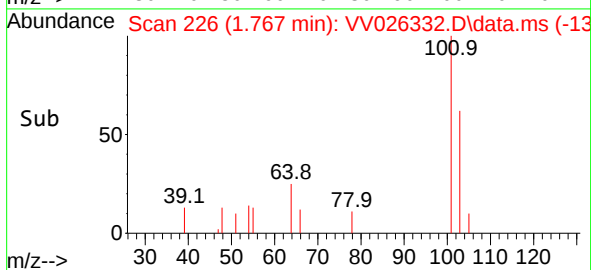
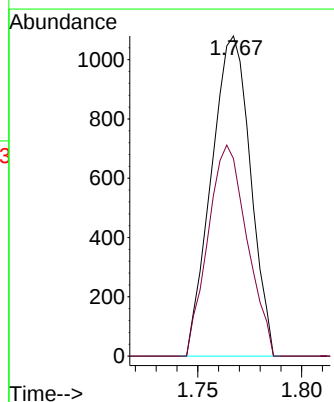
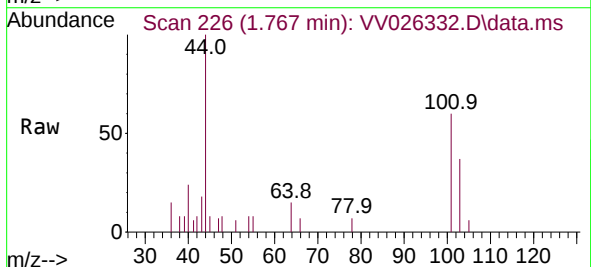
Instrument :
MSVOA_V
ClientSampleId :
C0BD7

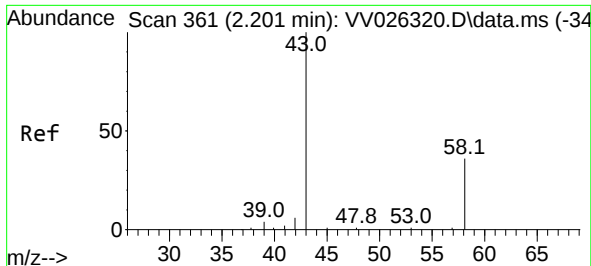
Tgt Ion: 64 Resp: 1220
Ion Ratio Lower Upper
64 100
66 39.0 24.1 44.7



#9
Trichlorofluoromethane
Concen: 0.050 ug/L
RT: 1.767 min Scan# 226
Delta R.T. 0.000 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

Tgt Ion: 101 Resp: 1413
Ion Ratio Lower Upper
101 100
103 65.7 52.3 78.5

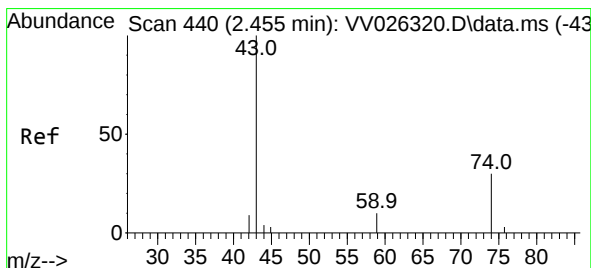
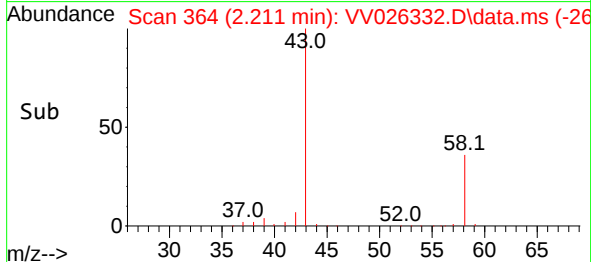
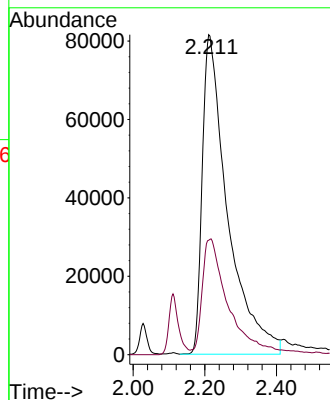
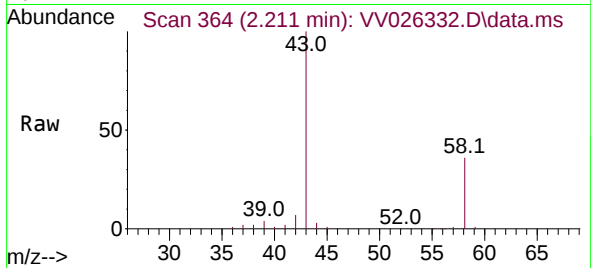




#13
Acetone
Concen: 255.438 ug/L
RT: 2.211 min Scan# 361
Delta R.T. 0.010 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

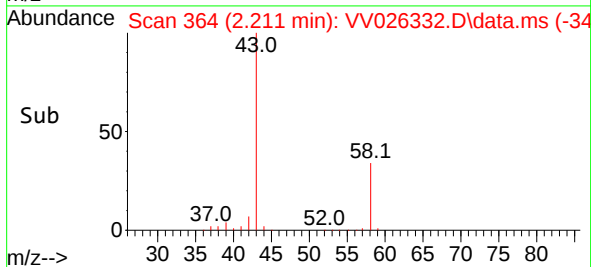
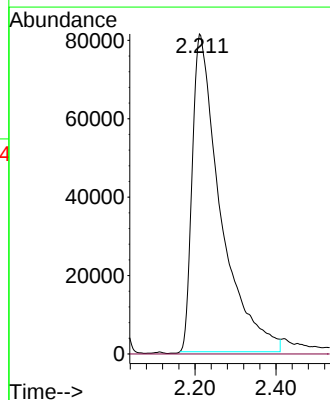
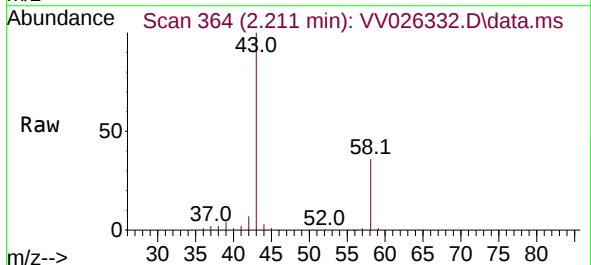
Instrument :
MSVOA_V
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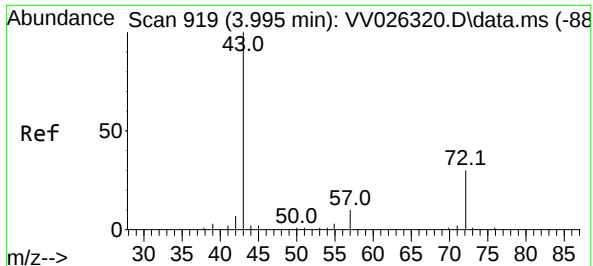
Tgt Ion: 43 Resp: 399163
Ion Ratio Lower Upper
43 100
58 36.3 0.0 60.0



#15
Methyl Acetate
Concen: 104.666 ug/L
RT: 2.211 min Scan# 364
Delta R.T. -0.244 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

Tgt Ion: 43 Resp: 392439
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.0#





#21

2-Butanone

Concen: 3.911 ug/L

RT: 4.027 min Scan# 919

Delta R.T. 0.032 min

Lab File: VV026332.D

Acq: 16 Jun 2022 14:35

Instrument :

MSVOA_V

ClientSampleId :

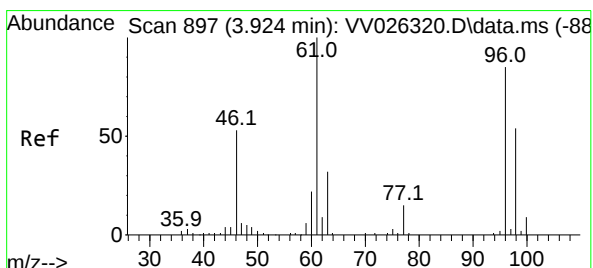
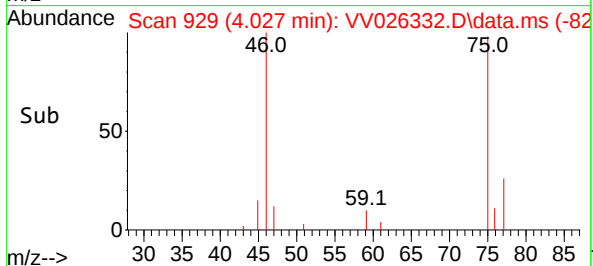
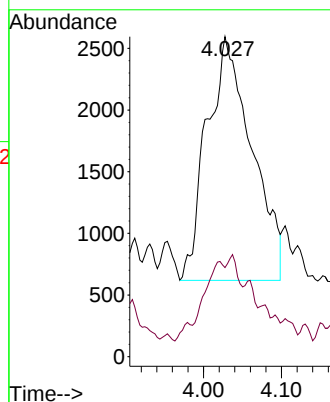
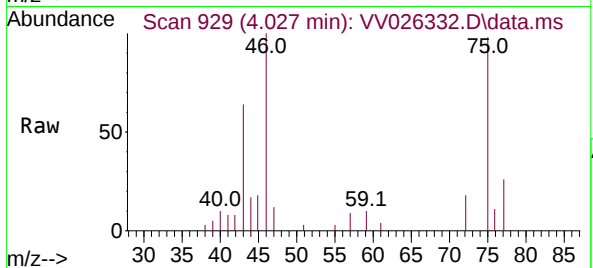
C0BD7

Tgt Ion: 43 Resp: 7909

Ion Ratio Lower Upper

43 100

72 10.6 12.7 38.0#



#22

cis-1,2-Dichloroethene

Concen: 0.055 ug/L

RT: 3.928 min Scan# 898

Delta R.T. 0.003 min

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Acq: 16 Jun 2022 14:35

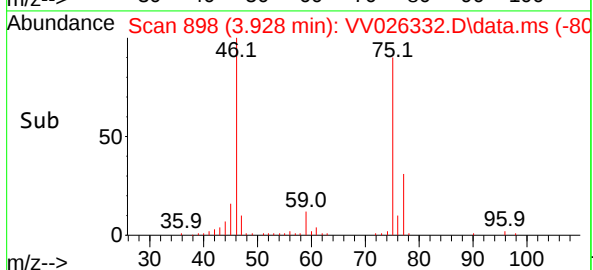
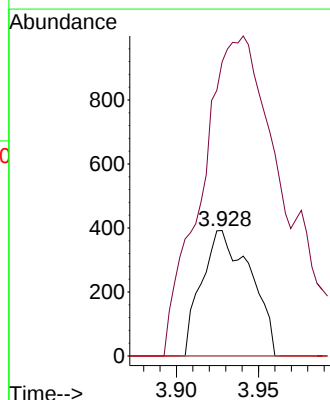
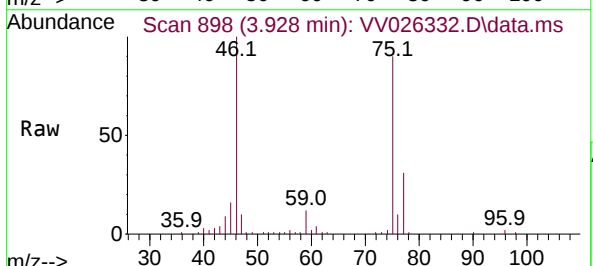
Tgt Ion: 96 Resp: 810

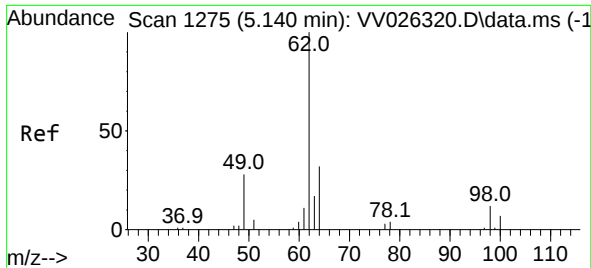
Ion Ratio Lower Upper

96 100

61 234.4 83.6 155.2#

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.092 ug/L

RT: 5.063 min Scan# 11

Delta R.T. -0.077 min

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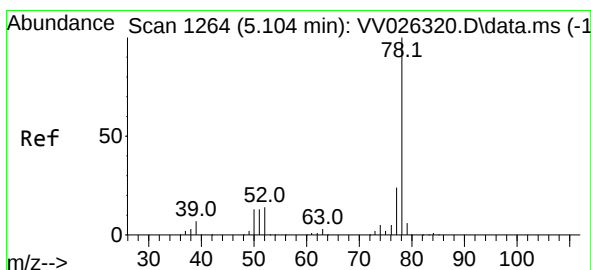
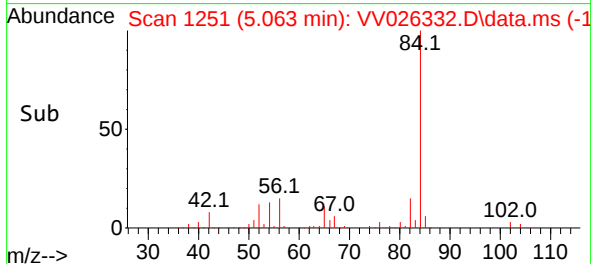
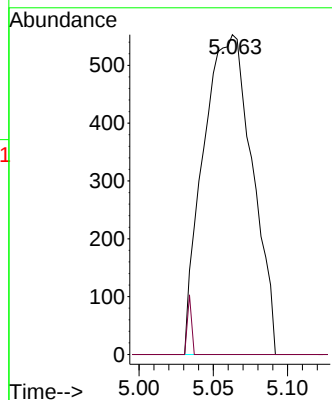
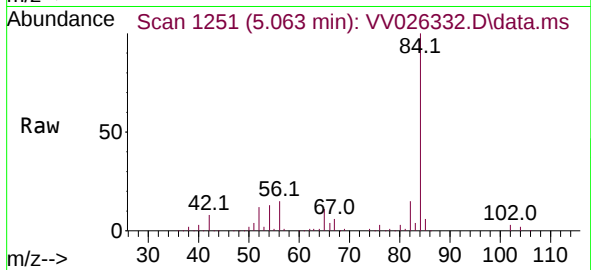
C0BD7

Tgt Ion: 62 Resp: 1266

Ion Ratio Lower Upper

62 100

98 0.0 8.6 13.0#



#33

Benzene

Concen: 0.113 ug/L

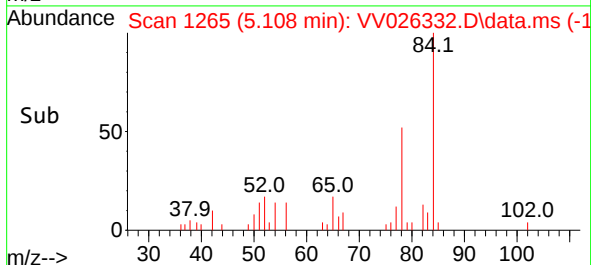
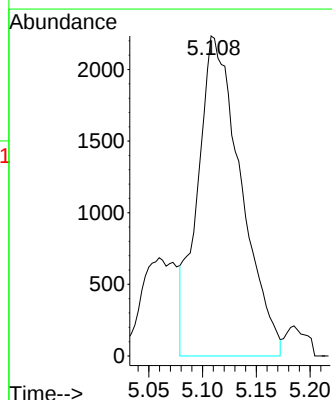
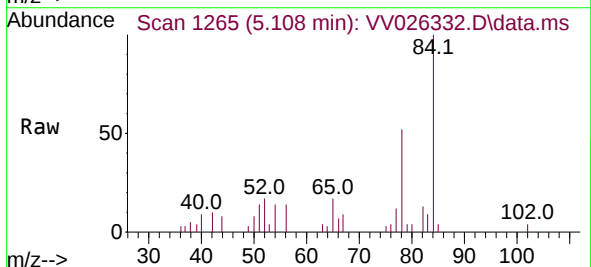
RT: 5.108 min Scan# 1265

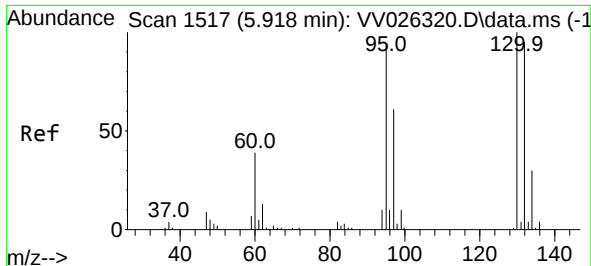
Delta R.T. 0.003 min

Lab File: VV026332.D

Acq: 16 Jun 2022 14:35

Tgt Ion: 78 Resp: 6253

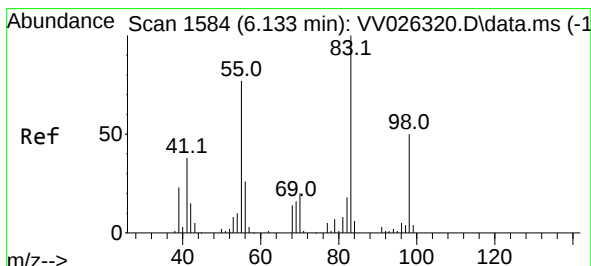
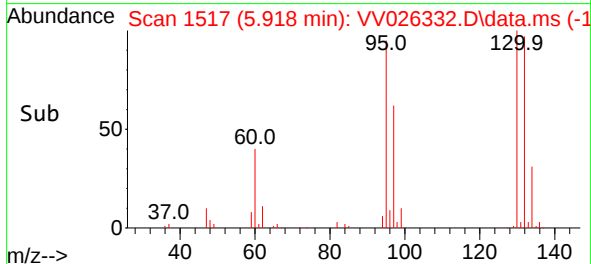
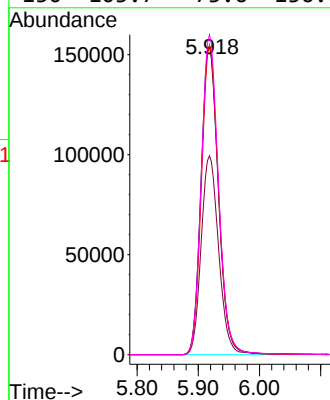
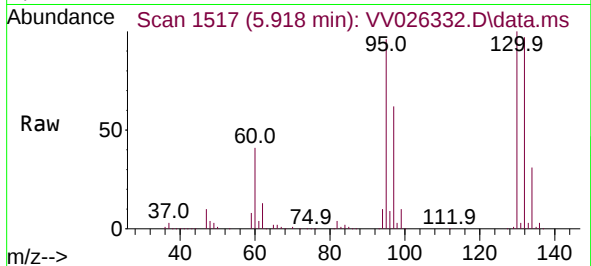




#34
Trichloroethene
Concen: 20.220 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.000 min
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Acq: 16 Jun 2022 14:35

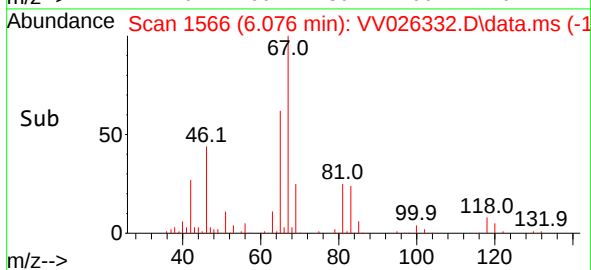
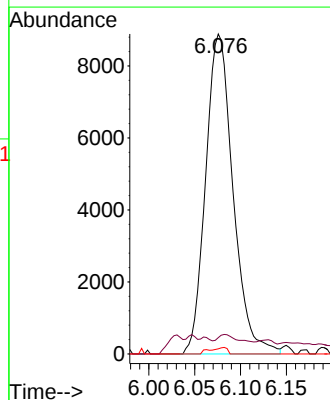
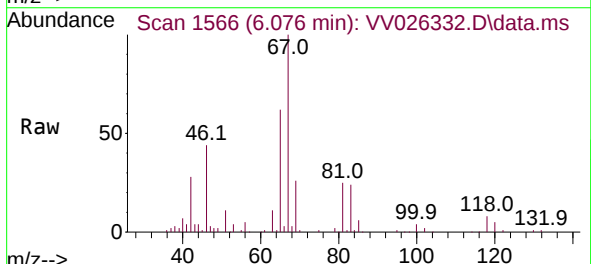
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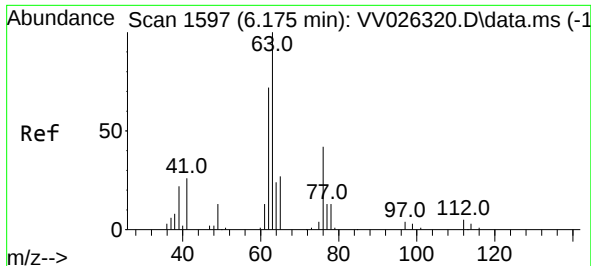
Tgt Ion: 95 Resp: 304391
Ion Ratio Lower Upper
95 100
97 64.5 46.5 86.3
132 100.4 68.8 127.8
130 103.7 73.6 136.6



#35
Methylcyclohexane
Concen: 0.888 ug/L
RT: 6.076 min Scan# 1566
Delta R.T. -0.058 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

Tgt Ion: 83 Resp: 18494
Ion Ratio Lower Upper
83 100
55 4.3 59.3 88.9#
98 0.0 39.9 59.9#





#37

1,2-Dichloropropane

Concen: 0.556 ug/L

RT: 6.076 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV026332.D

Acq: 16 Jun 2022 14:35

Instrument :

MSVOA_V

ClientSampleId :

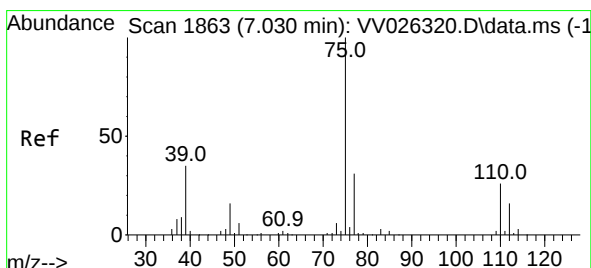
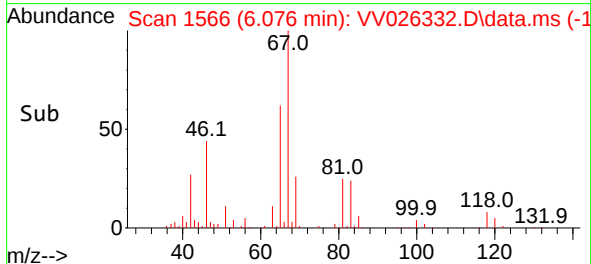
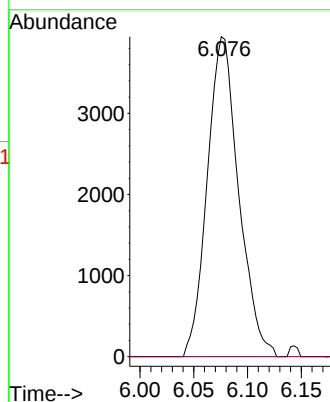
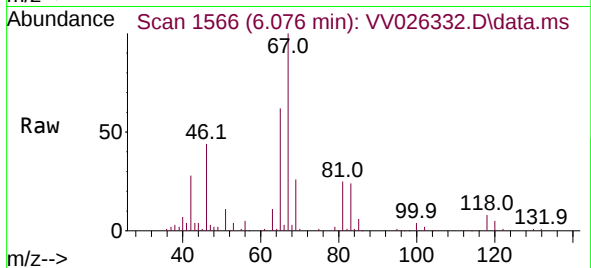
C0BD7

Tgt Ion: 63 Resp: 8025

Ion Ratio Lower Upper

63 100

112 0.5 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.106 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.042 min

Lab File: VV026332.D

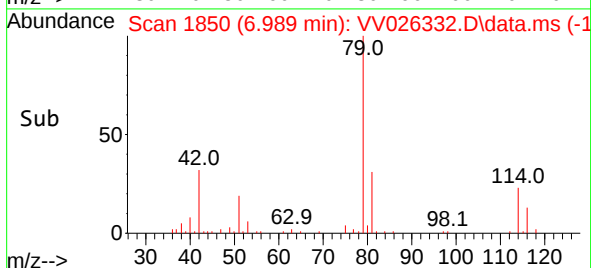
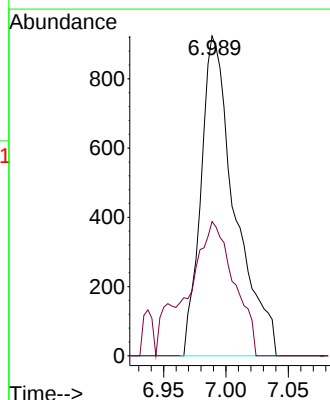
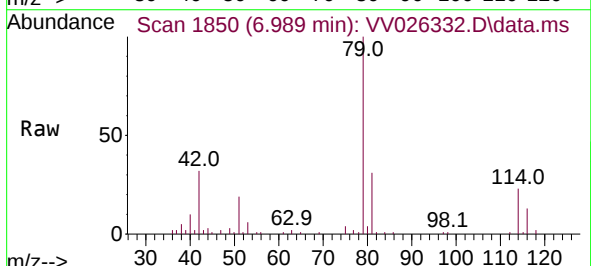
Acq: 16 Jun 2022 14:35

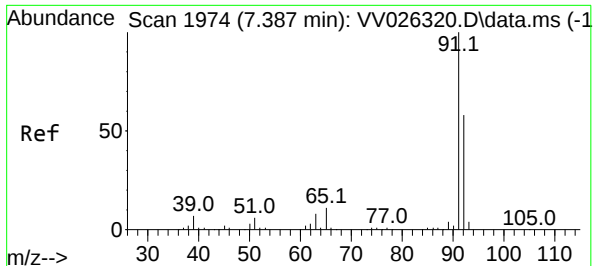
Tgt Ion: 75 Resp: 1752

Ion Ratio Lower Upper

75 100

77 42.0 23.0 42.6

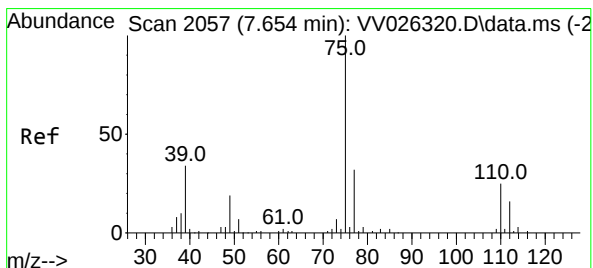
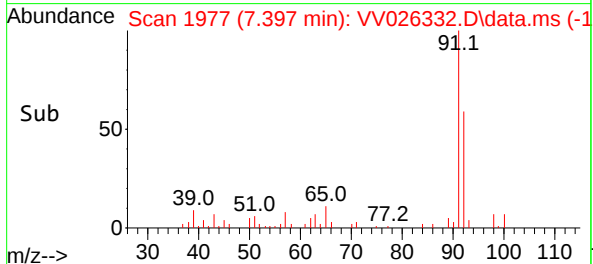
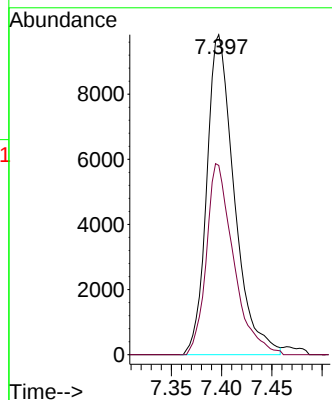
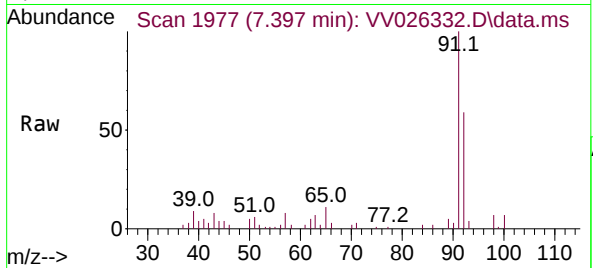




#42
Toluene
Concen: 0.323 ug/L
RT: 7.397 min Scan# 1974
Delta R.T. 0.010 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

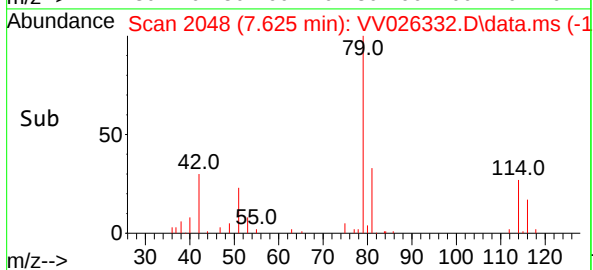
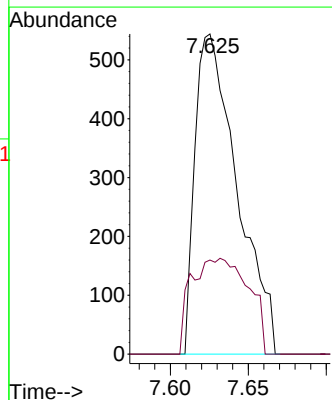
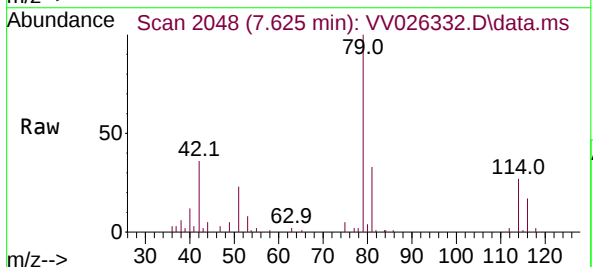
Instrument :
MSVOA_V
ClientSampleId :
C0BD7

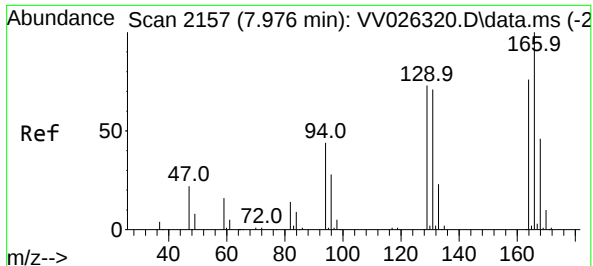
Tgt Ion: 91 Resp: 18709
Ion Ratio Lower Upper
91 100
92 59.2 40.1 74.5



#44
trans-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 7.625 min Scan# 2048
Delta R.T. -0.029 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

Tgt Ion: 75 Resp: 1022
Ion Ratio Lower Upper
75 100
77 29.4 23.7 43.9





#47

Tetrachloroethene

Concen: 0.373 ug/L

RT: 7.979 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV026332.D

Acq: 16 Jun 2022 14:35

Instrument :

MSVOA_V

ClientSampleId :

C0BD7

Tgt Ion:164 Resp: 4155

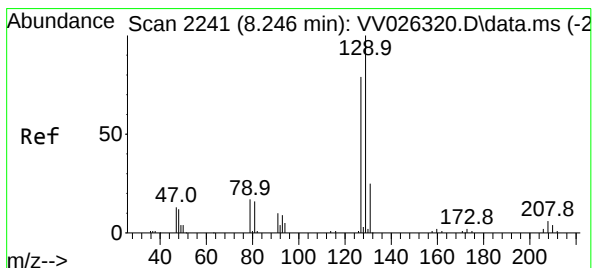
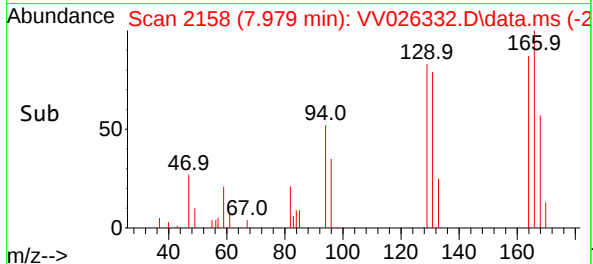
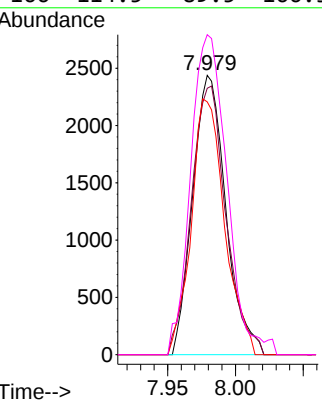
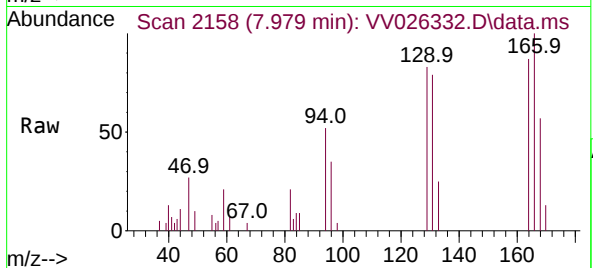
Ion Ratio Lower Upper

164 100

129 95.3 67.5 125.3

131 90.5 63.8 118.4

166 114.5 89.5 166.3



#49

Dibromochloromethane

Concen: 0.394 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.263 min

Lab File: VV026332.D

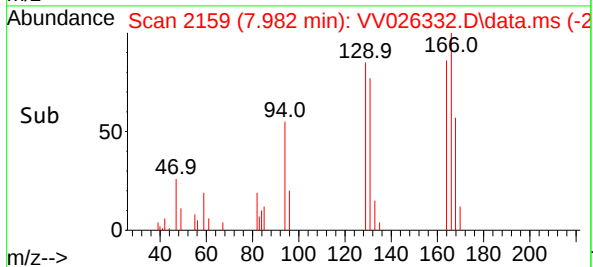
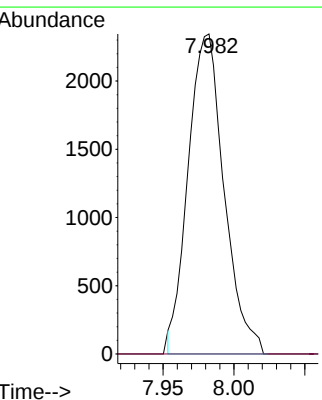
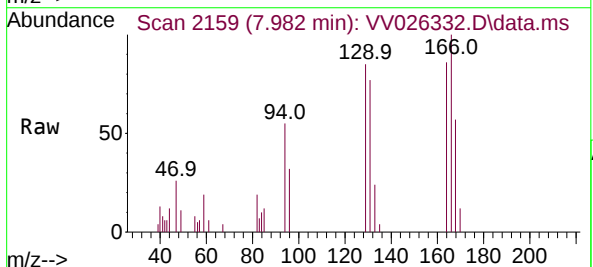
Acq: 16 Jun 2022 14:35

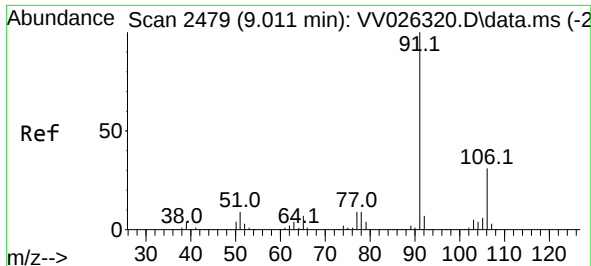
Tgt Ion:129 Resp: 4131

Ion Ratio Lower Upper

129 100

127 0.0 56.4 104.7#





#52

Ethylbenzene

Concen: 0.075 ug/L

RT: 9.021 min Scan# 24

Delta R.T. 0.010 min

Lab File: VV026332.D

Acq: 16 Jun 2022 14:35

Instrument :

MSVOA_V

ClientSampleId :

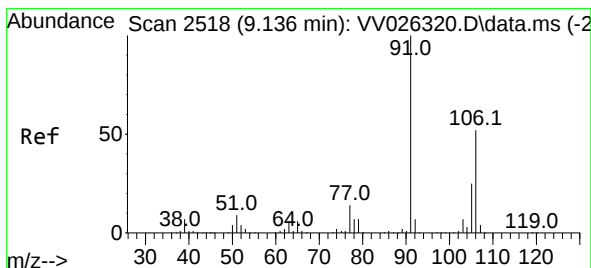
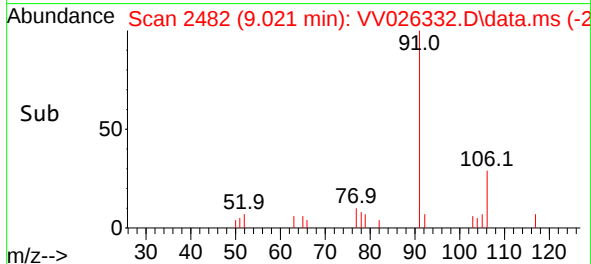
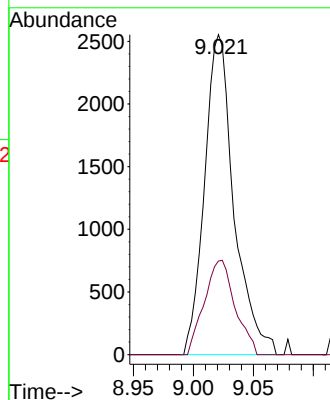
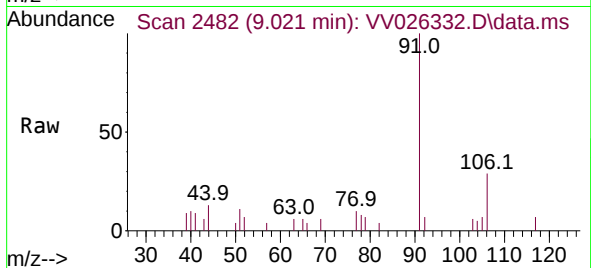
C0BD7

Tgt Ion: 91 Resp: 4360

Ion Ratio Lower Upper

91 100

106 29.3 21.6 40.0



#53

m,p-Xylene

Concen: 0.247 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.007 min

Lab File: VV026332.D

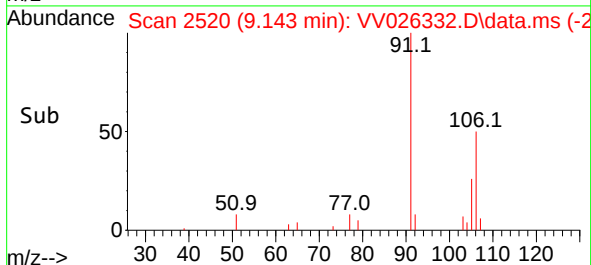
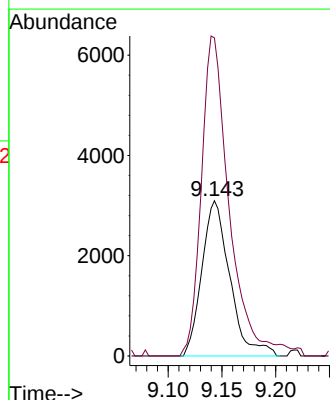
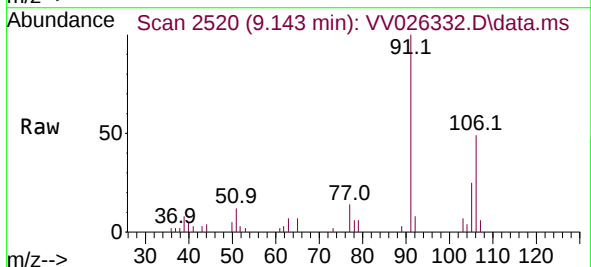
Acq: 16 Jun 2022 14:35

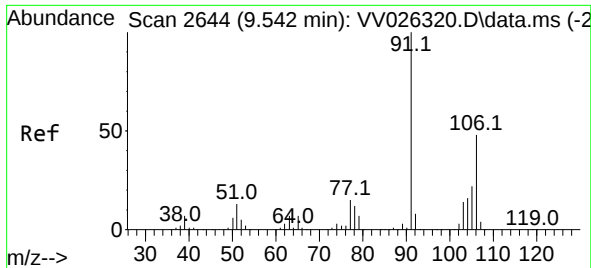
Tgt Ion: 106 Resp: 5603

Ion Ratio Lower Upper

106 100

91 205.0 141.3 262.3

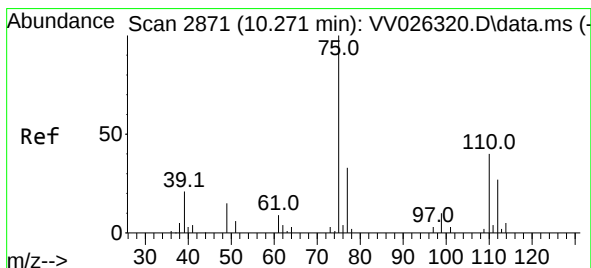
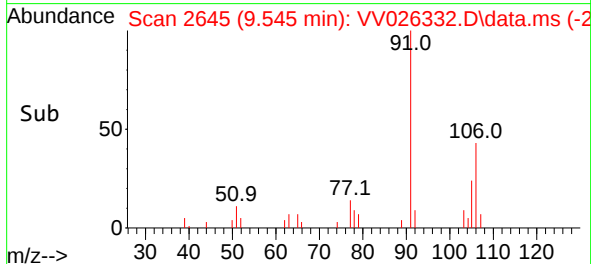
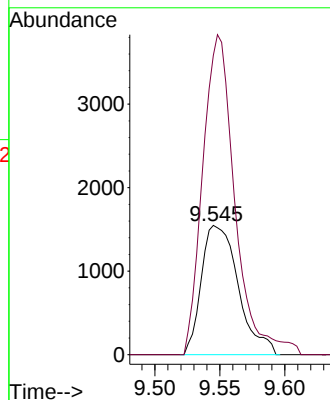
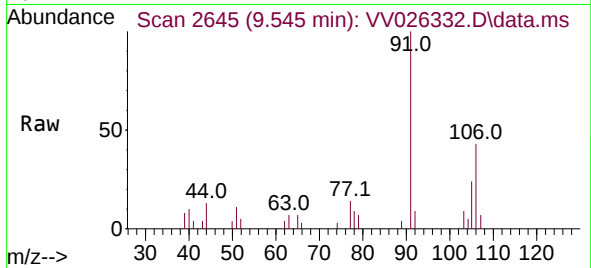




#54
o-Xylene
Concen: 0.139 ug/L
RT: 9.545 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

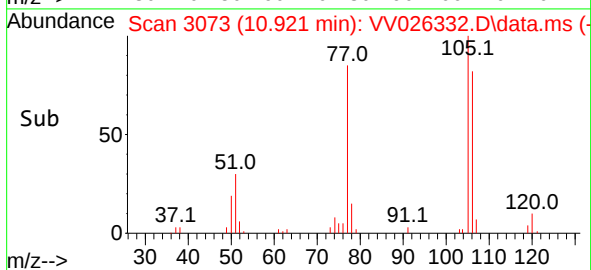
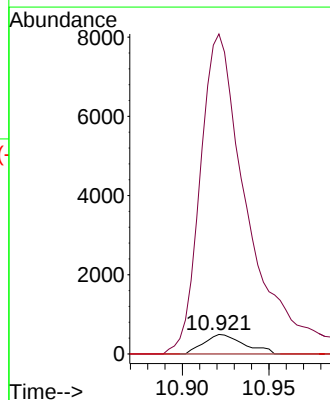
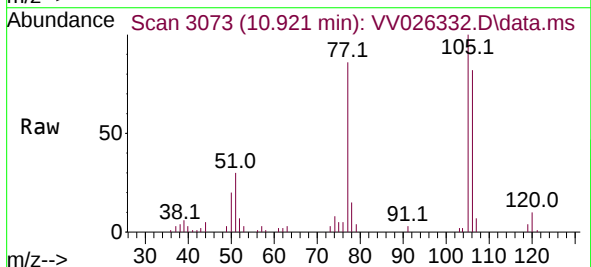
Instrument :
MSVOA_V
ClientSampleId :
C0BD7

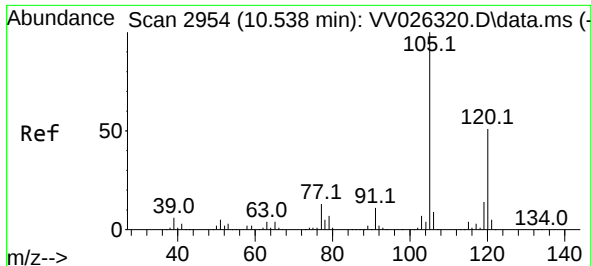
Tgt Ion:106 Resp: 3061
Ion Ratio Lower Upper
106 100
91 231.5 143.3 266.1



#61
1,2,3-Trichloropropane
Concen: 0.132 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.650 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

Tgt Ion: 75 Resp: 795
Ion Ratio Lower Upper
75 100
77 2020.8 26.9 40.3#
110 11.2 30.7 46.1#

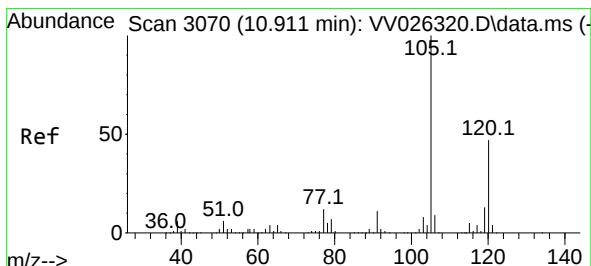
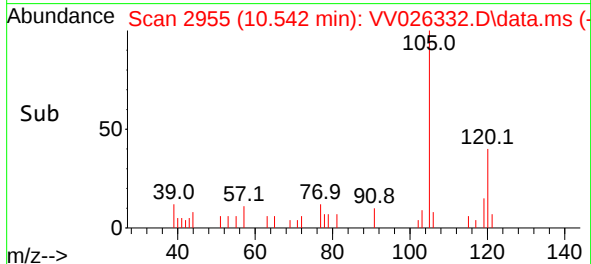
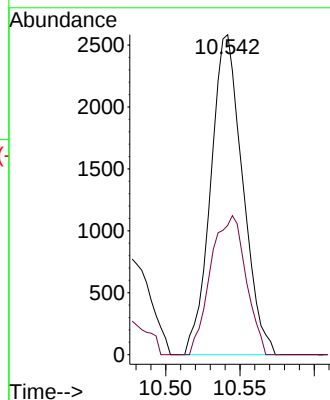
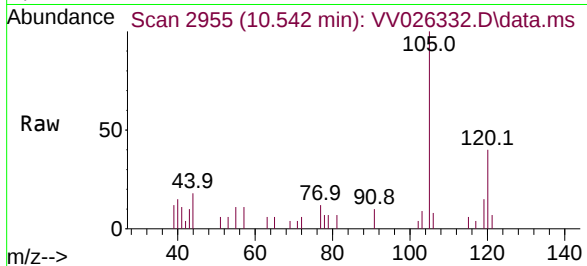




#62
1,3,5-Trimethylbenzene
Concen: 0.099 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.003 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

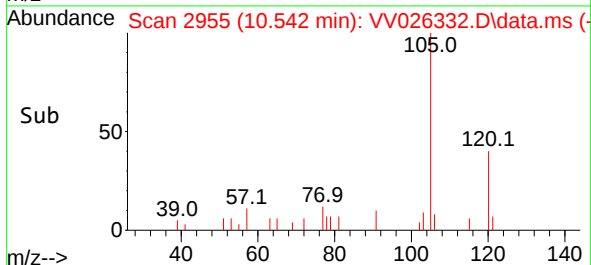
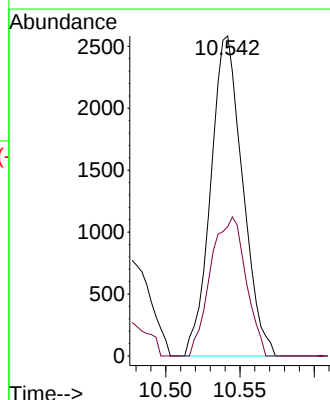
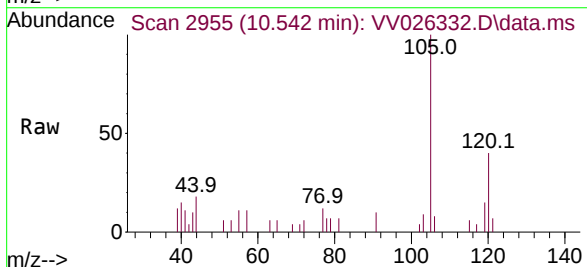
Instrument :
MSVOA_V
ClientSampleId :
C0BD7

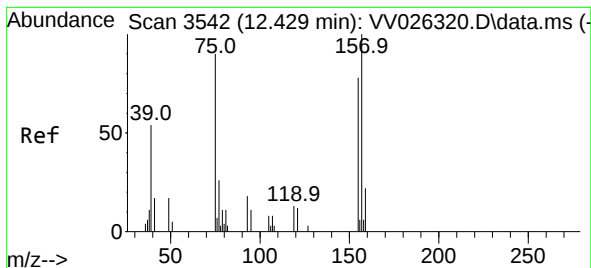
Tgt Ion:105 Resp: 3859
Ion Ratio Lower Upper
105 100
120 47.9 39.9 59.9



#63
1,2,4-Trimethylbenzene
Concen: 0.100 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. -0.370 min
Lab File: VV026332.D
Acq: 16 Jun 2022 14:35

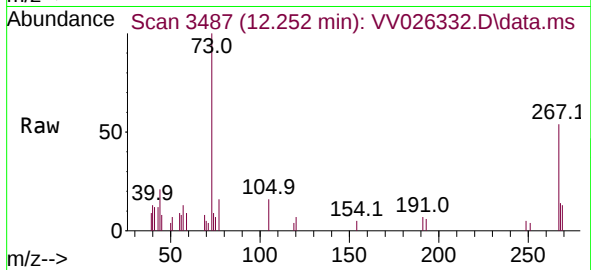
Tgt Ion:105 Resp: 3859
Ion Ratio Lower Upper
105 100
120 47.9 36.9 55.3





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.209 ug/L
 RT: 12.252 min Scan# 34
 Delta R.T. -0.177 min
 Lab File: VV026332.D
 Acq: 16 Jun 2022 14:35

Instrument :
 MSVOA_V
 ClientSampleId :
 C0BD7



Tgt Ion: 75 Resp: 222
 Ion Ratio Lower Upper
 75 100
 155 0.0 63.7 95.5#
 157 0.0 85.0 127.6#

