

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062022\
 Data File : VW026446.D
 Acq On : 20 Jun 2022 15:17
 Operator : SY/MD
 Sample : N3355-11
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 21 02:34:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 21 02:31:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.629	114	197684	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	182691	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	71039	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.323	65	84381	4.914	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.587	69	72178	5.346	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.000%
11) 1,1-Dichloroethene-d2	2.124	63	119997	4.070	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	3.931	46	91538	54.636	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.280%
24) Chloroform-d	4.365	84	156848	6.232	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.600%
26) 1,2-Dichloroethane-d4	5.047	65	60645	5.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.000%
32) Benzene-d6	5.063	84	319741	6.546	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	131.000%#
36) 1,2-Dichloropropane-d6	6.079	67	92126	6.463	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	129.200%
41) Toluene-d8	7.320	98	273435	6.140	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	122.800%
43) trans-1,3-Dichloroprop...	7.628	79	16927	3.662	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.200%
46) 2-Hexanone-d5	8.095	63	73892	52.919	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.840%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	52420	5.969	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	77131	7.049	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	141.000%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.259	50	7019	0.428	ug/L	93
6) Bromomethane	1.542	94	799	0.084	ug/L	79
8) Chloroethane	1.564	64	29466	2.782	ug/L #	49
10) 1,1,2-Trichloro-1,2,2-...	2.127	101	1228	0.090	ug/L #	21
12) 1,1-Dichloroethene	2.127	96	1134	0.091	ug/L #	1
13) Acetone	2.230	43	6614	5.094	ug/L	67
14) Carbon disulfide	2.317	76	2311	0.075	ug/L	98
25) Chloroform	4.391	83	2029	0.081	ug/L #	66
29) 1,1,1-Trichloroethane	4.622	97	4153	0.206	ug/L	93
30) Cyclohexane	4.690	56	969	0.064	ug/L #	22
31) Carbon tetrachloride	4.847	117	1048	0.061	ug/L	95
33) Benzene	5.111	78	2116	0.045	ug/L	100
34) Trichloroethene	5.921	95	127646	9.982	ug/L	99
35) Methylcyclohexane	6.137	83	2360	0.133	ug/L	93
37) 1,2-Dichloropropane	6.075	63	9352	0.763	ug/L #	88
39) cis-1,3-Dichloropropene	6.998	75	1283	0.092	ug/L	88
42) Toluene	7.400	91	11388	0.231	ug/L	95
52) Ethylbenzene	9.027	91	2876	0.058	ug/L	92
53) m,p-Xylene	9.149	106	2309	0.120	ug/L	97

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QLast Update : Tue Jun 21 02:31:12 2022
Response via : Initial Calibration

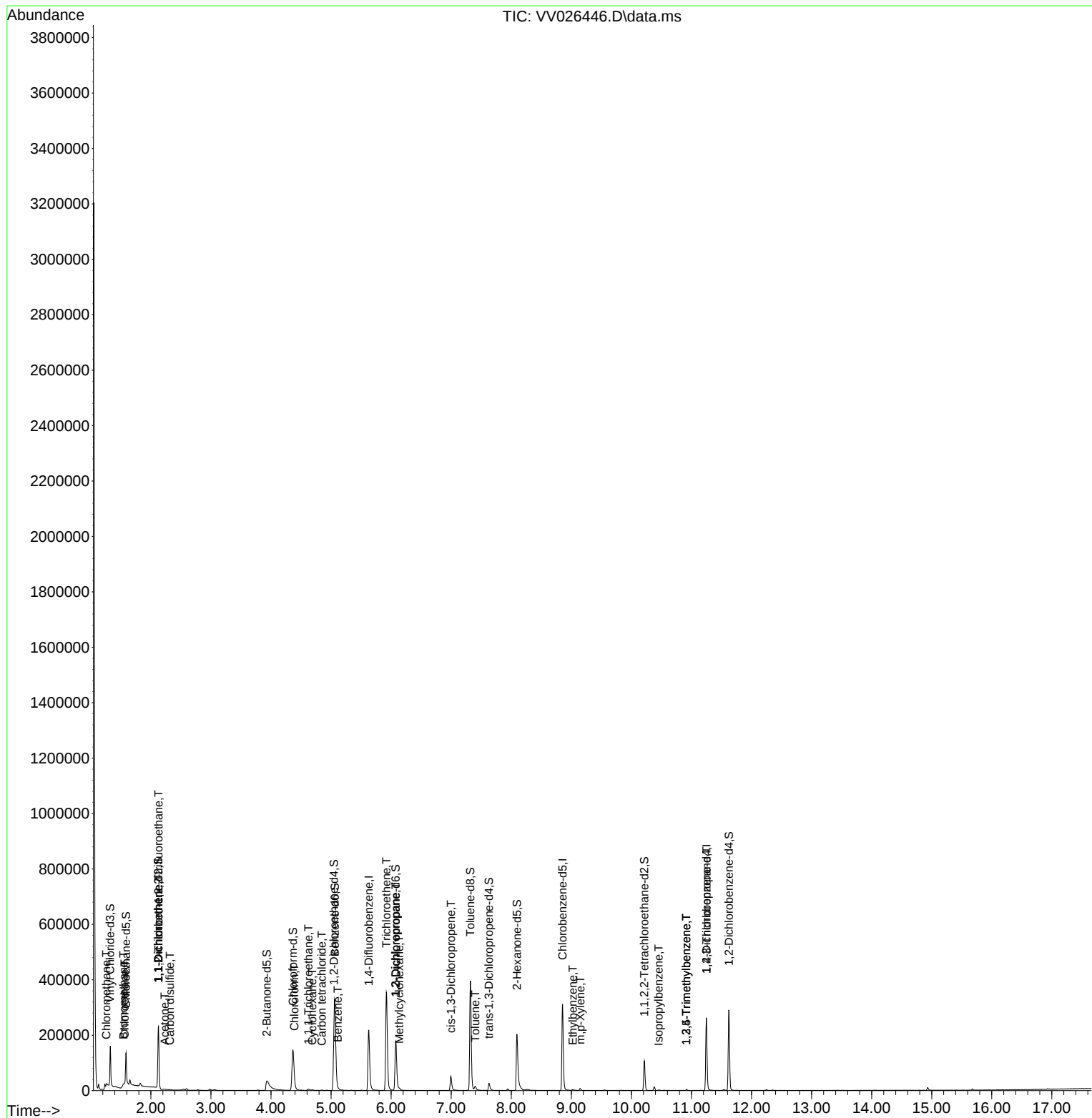
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.455	105	1291	0.034	ug/L #	86
61) 1,2,3-Trichloropropane	11.249	75	8358	1.813	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.915	105	2709	0.090	ug/L	91
63) 1,2,4-Trimethylbenzene	10.915	105	2709	0.091	ug/L	97

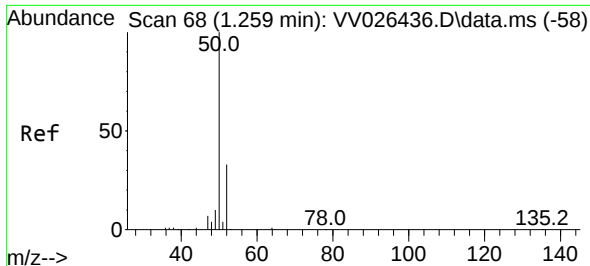
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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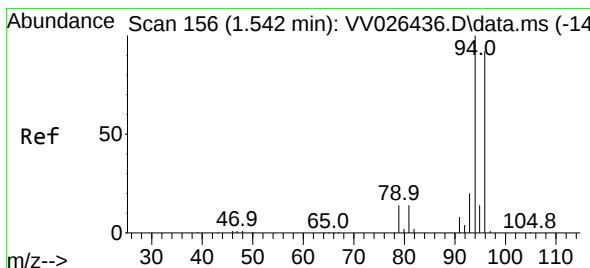
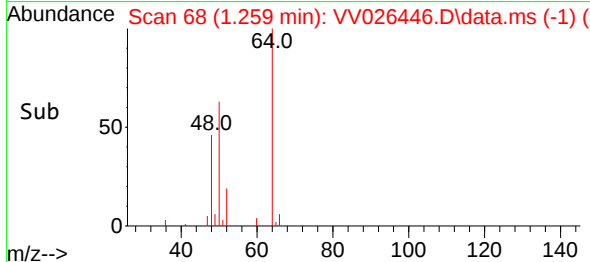
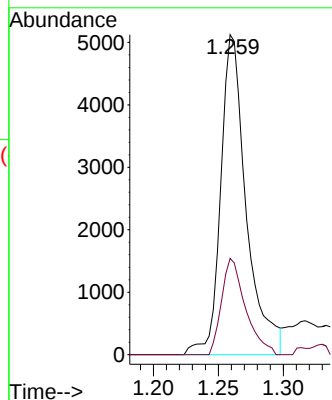
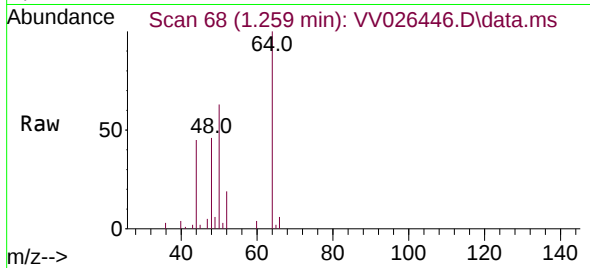




#3
Chloromethane
Concen: 0.428 ug/L
RT: 1.259 min Scan# 68
Delta R.T. 0.000 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

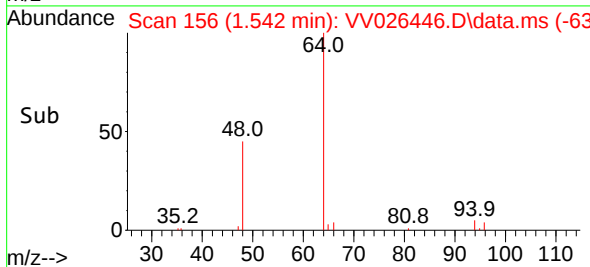
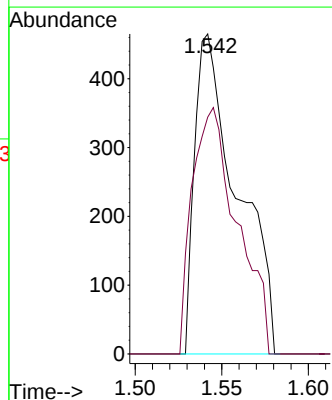
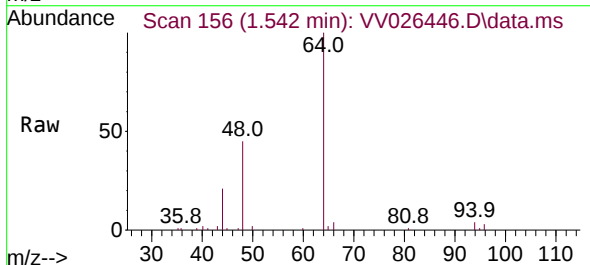
Instrument :
MSVOA_V
ClientSampleId :

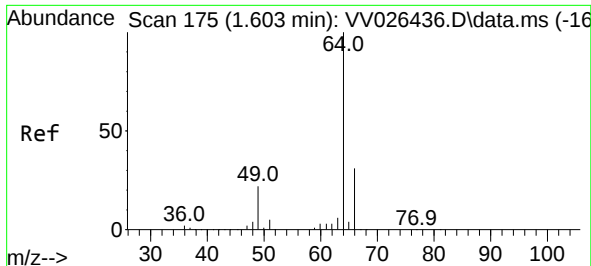
Tgt Ion: 50 Resp: 7019
Ion Ratio Lower Upper
50 100
52 30.1 23.7 44.1



#6
Bromomethane
Concen: 0.084 ug/L
RT: 1.542 min Scan# 156
Delta R.T. 0.000 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

Tgt Ion: 94 Resp: 799
Ion Ratio Lower Upper
94 100
96 74.0 65.7 121.9

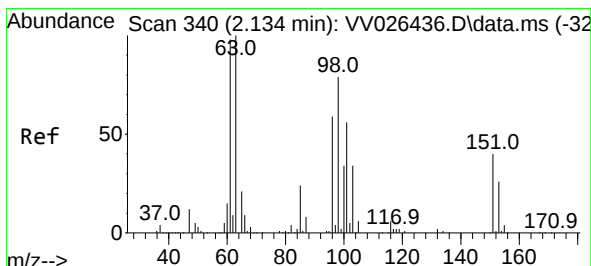
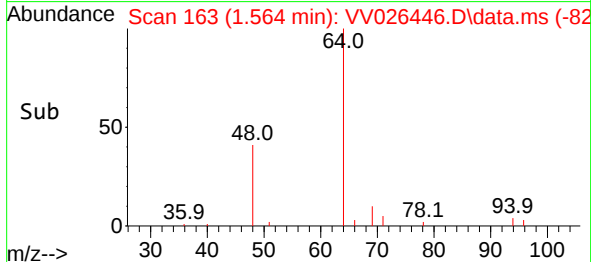
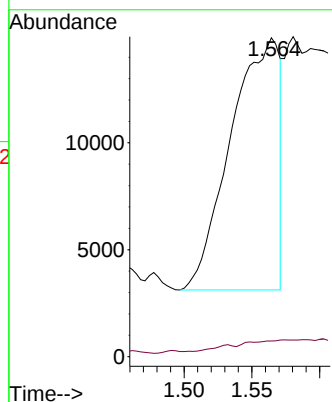
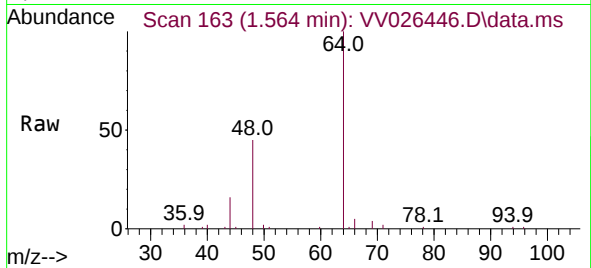




#8
Chloroethane
Concen: 2.782 ug/L
RT: 1.564 min Scan# 1
Delta R.T. -0.039 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

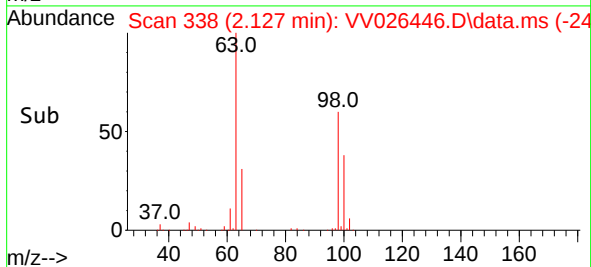
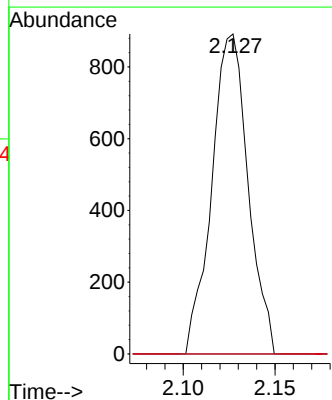
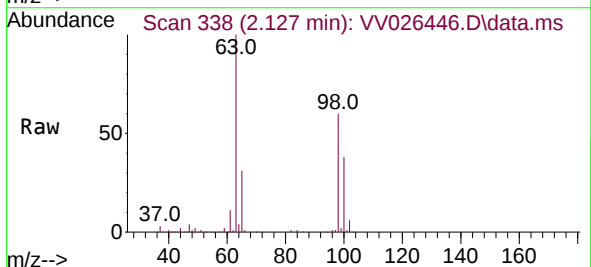
Instrument :
MSVOA_V
ClientSampleId :

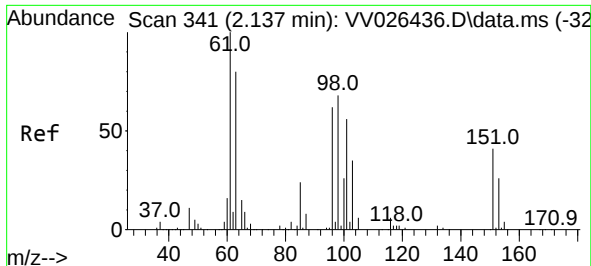
Tgt Ion: 64 Resp: 29466
Ion Ratio Lower Upper
64 100
66 4.9 24.1 44.7#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.090 ug/L
RT: 2.127 min Scan# 338
Delta R.T. -0.006 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

Tgt Ion:101 Resp: 1228
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 0.0 56.8 85.2#





#12

1,1-Dichloroethene

Concen: 0.091 ug/L

RT: 2.127 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV026446.D

Acq: 20 Jun 2022 15:17

Instrument :

MSVOA_V

ClientSampleId :

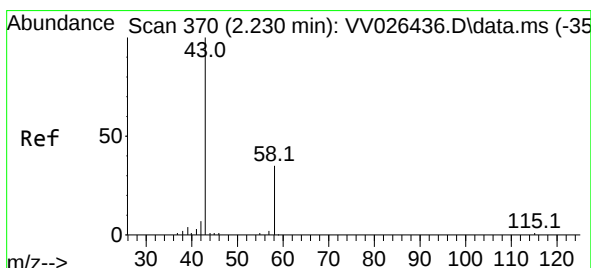
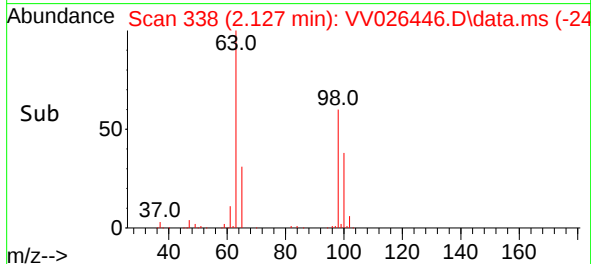
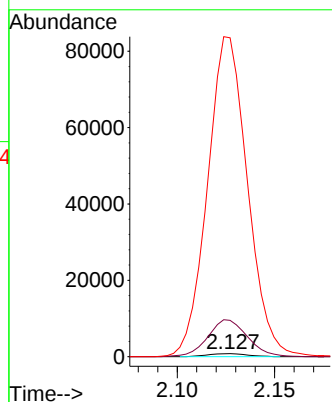
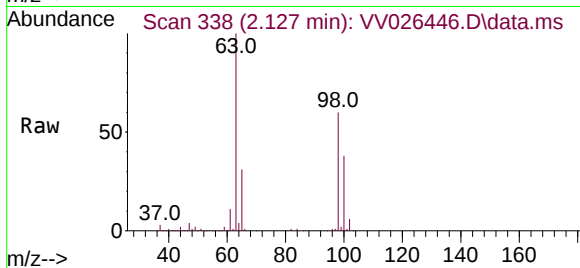
Tgt Ion: 96 Resp: 1134

Ion Ratio Lower Upper

96 100

61 1214.3 117.1 217.5#

63 10667.7 92.8 172.4#



#13

Acetone

Concen: 5.094 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV026446.D

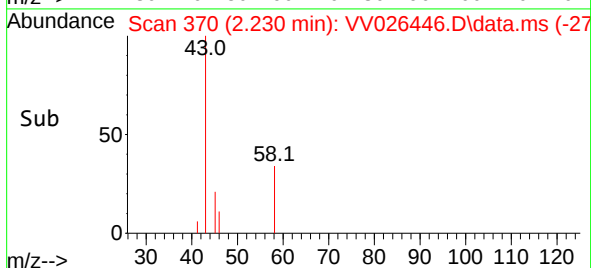
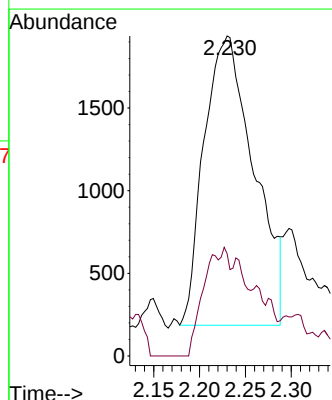
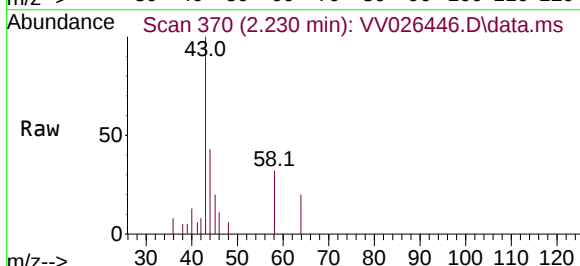
Acq: 20 Jun 2022 15:17

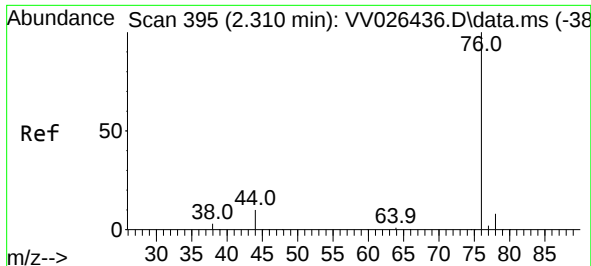
Tgt Ion: 43 Resp: 6614

Ion Ratio Lower Upper

43 100

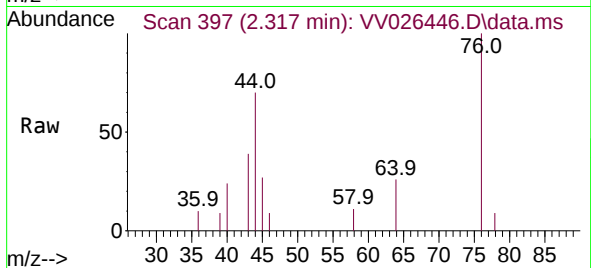
58 12.1 0.0 60.0



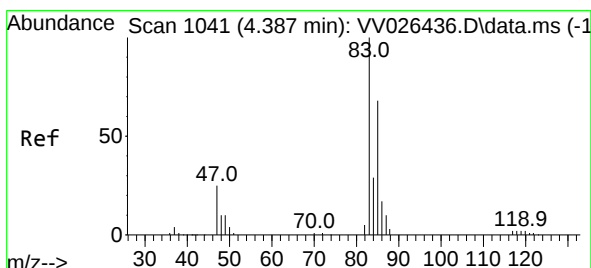
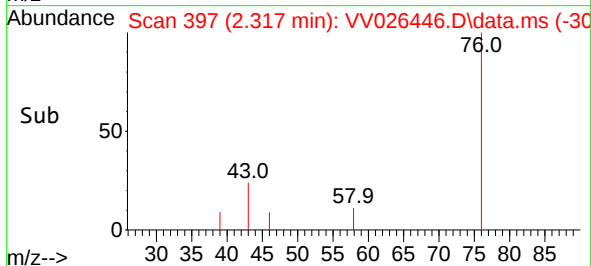
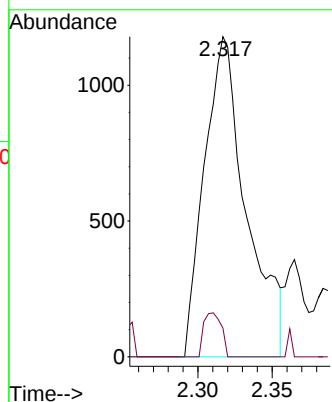


#14
Carbon disulfide
Concen: 0.075 ug/L
RT: 2.317 min Scan# 395
Delta R.T. 0.006 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

Instrument :
MSVOA_V
ClientSampleId :

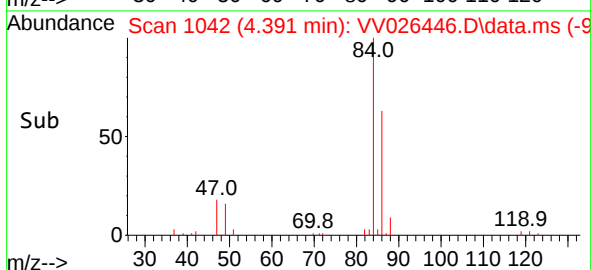
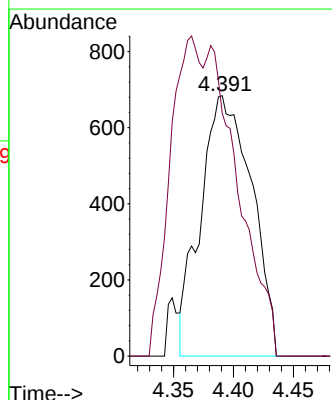
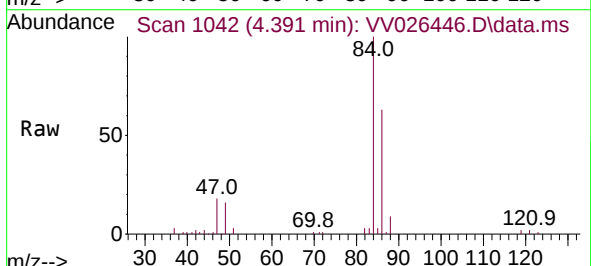


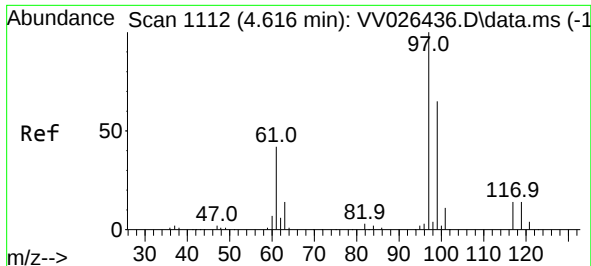
Tgt Ion: 76 Resp: 2311
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5



#25
Chloroform
Concen: 0.081 ug/L
RT: 4.391 min Scan# 1042
Delta R.T. 0.003 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

Tgt Ion: 83 Resp: 2029
Ion Ratio Lower Upper
83 100
85 93.1 46.5 86.3#





#29

1,1,1-Trichloroethane

Concen: 0.206 ug/L

RT: 4.622 min Scan# 1114

Delta R.T. 0.006 min

Lab File: VV026446.D

Acq: 20 Jun 2022 15:17

Instrument :

MSVOA_V

ClientSampleId :

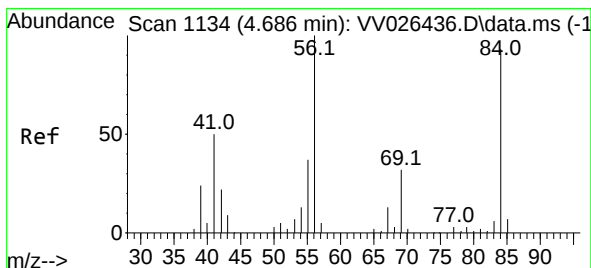
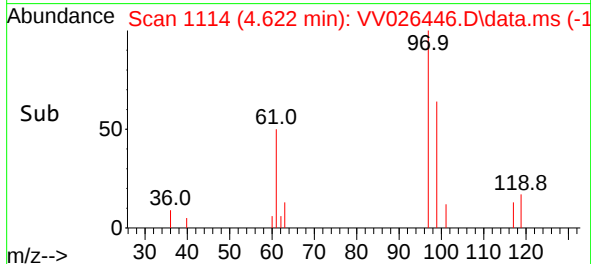
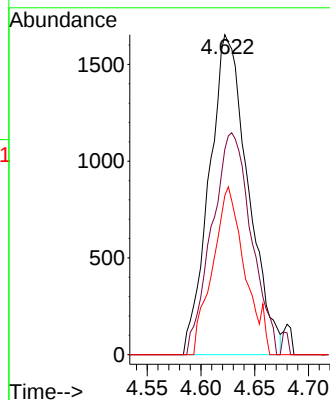
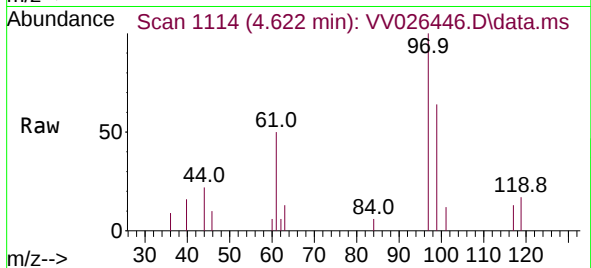
Tgt Ion: 97 Resp: 4153

Ion Ratio Lower Upper

97 100

99 70.4 50.3 75.5

61 43.4 33.4 50.0



#30

Cyclohexane

Concen: 0.064 ug/L

RT: 4.690 min Scan# 1135

Delta R.T. 0.003 min

Lab File: VV026446.D

Acq: 20 Jun 2022 15:17

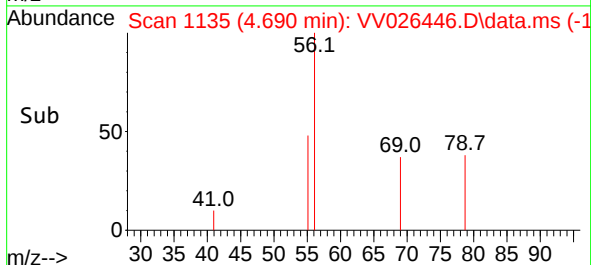
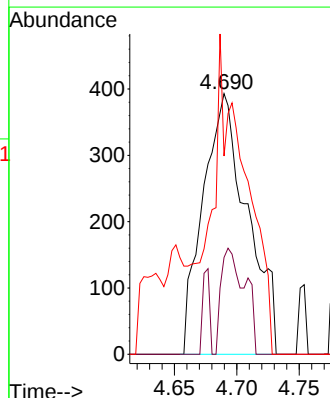
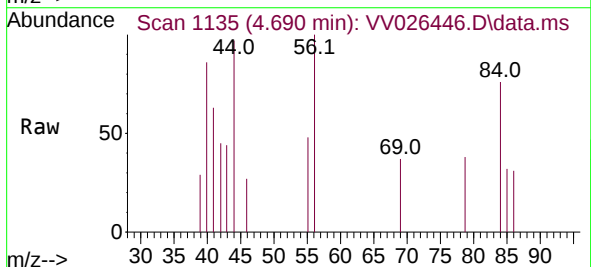
Tgt Ion: 56 Resp: 969

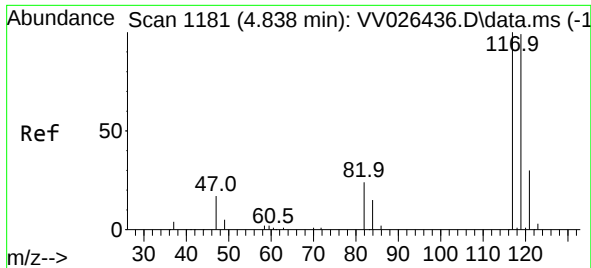
Ion Ratio Lower Upper

56 100

69 21.9 24.9 37.3#

84 0.0 76.4 114.6#

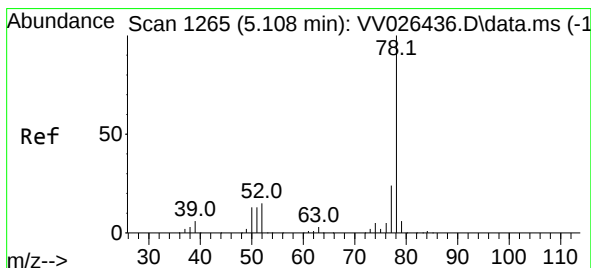
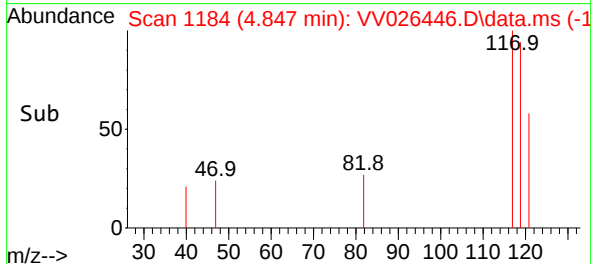
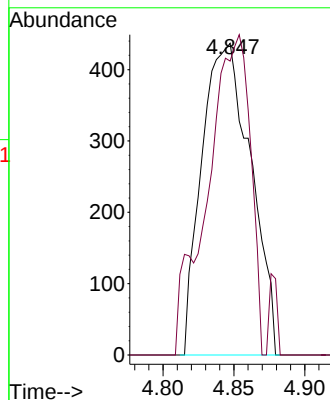
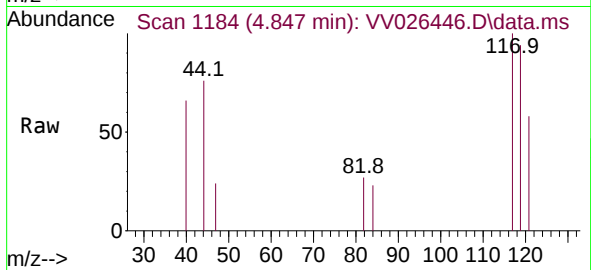




#31
Carbon tetrachloride
Concen: 0.061 ug/L
RT: 4.847 min Scan# 1181
Delta R.T. 0.010 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

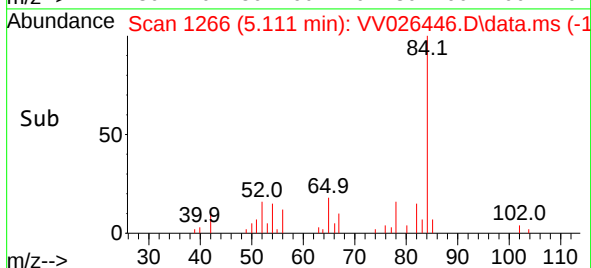
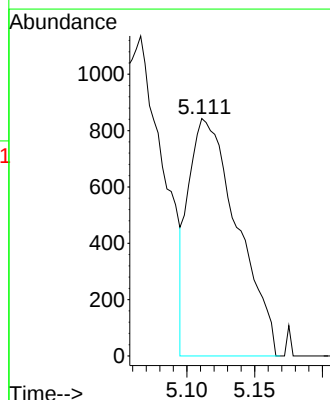
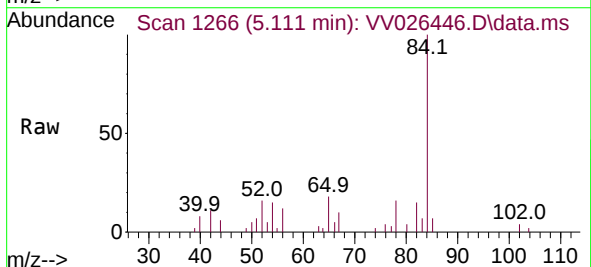
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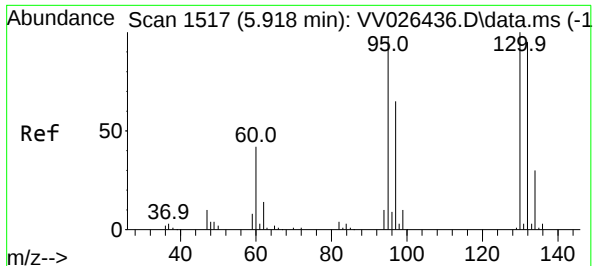
Tgt Ion:117 Resp: 1048
Ion Ratio Lower Upper
117 100
119 90.5 76.2 114.4



#33
Benzene
Concen: 0.045 ug/L
RT: 5.111 min Scan# 1266
Delta R.T. 0.003 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

Tgt Ion: 78 Resp: 2116





#34

Trichloroethene

Concen: 9.982 ug/L

RT: 5.921 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV026446.D

Acq: 20 Jun 2022 15:17

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 127646

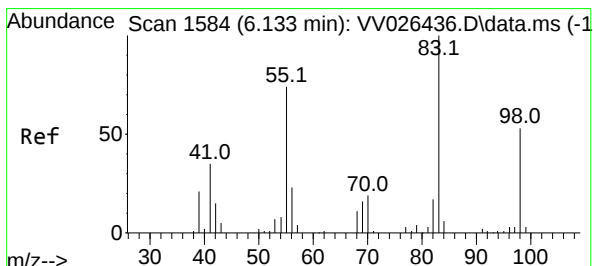
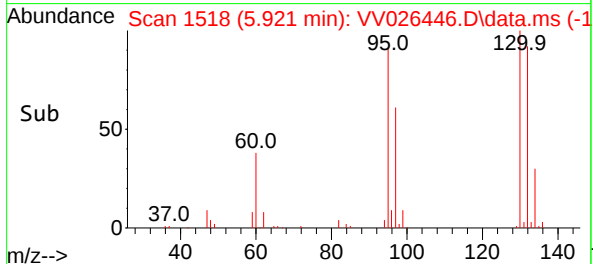
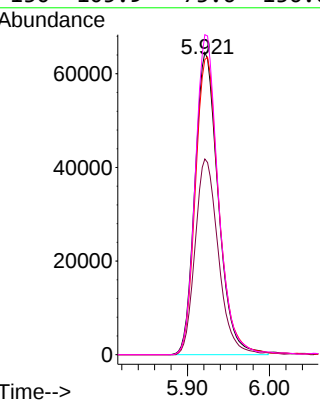
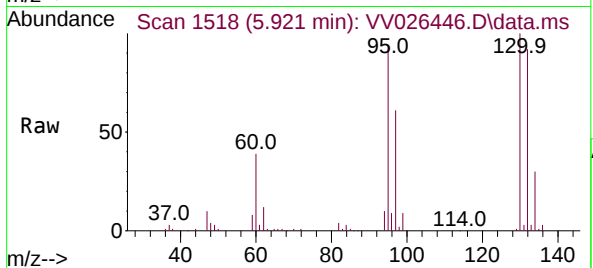
Ion Ratio Lower Upper

95 100

97 64.8 46.5 86.3

132 97.7 68.8 127.8

130 105.9 73.6 136.6



#35

Methylcyclohexane

Concen: 0.133 ug/L

RT: 6.137 min Scan# 1585

Delta R.T. 0.003 min

Lab File: VV026446.D

Acq: 20 Jun 2022 15:17

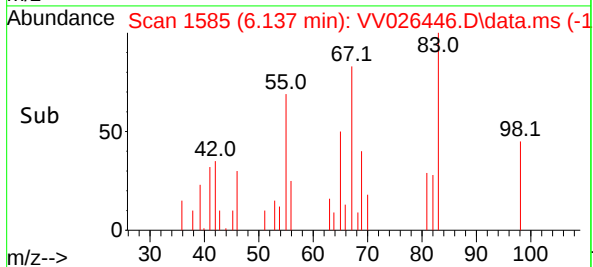
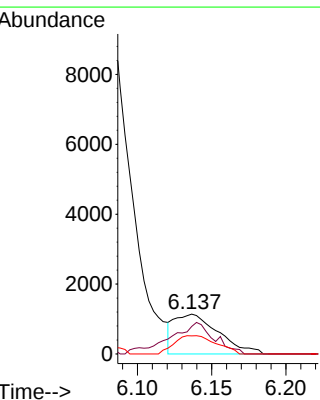
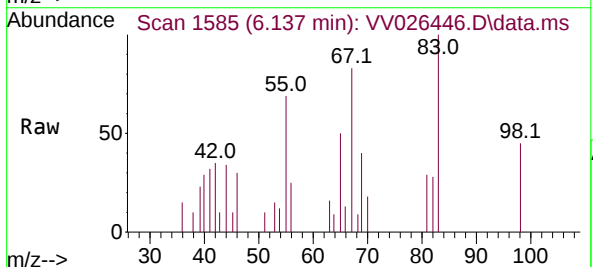
Tgt Ion: 83 Resp: 2360

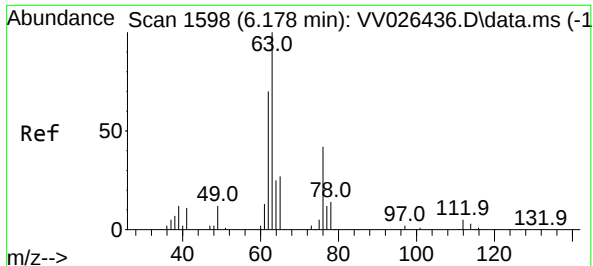
Ion Ratio Lower Upper

83 100

55 78.9 59.3 88.9

98 43.3 39.9 59.9





#37

1,2-Dichloropropane

Concen: 0.763 ug/L

RT: 6.075 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV026446.D

Acq: 20 Jun 2022 15:17

Instrument :

MSVOA_V

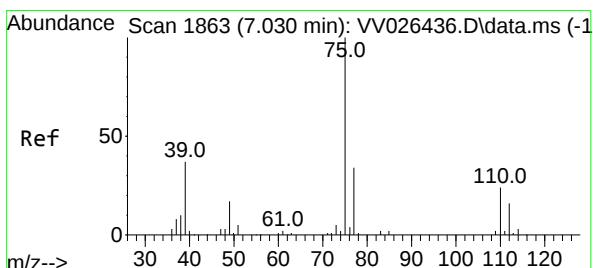
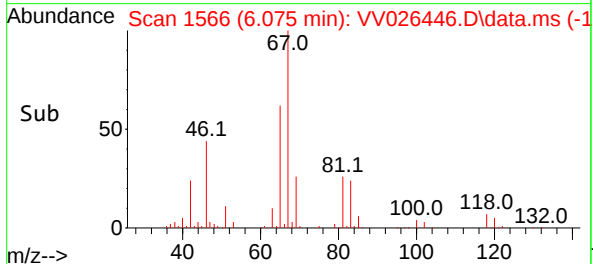
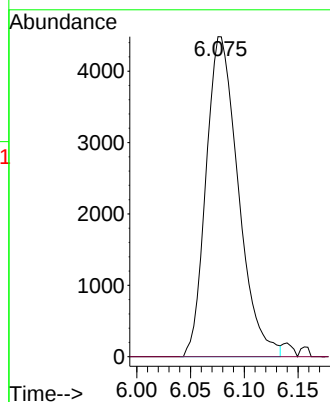
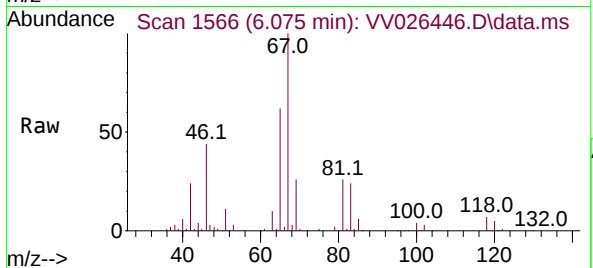
ClientSampleId :

Tgt Ion: 63 Resp: 9352

Ion Ratio Lower Upper

63 100

112 0.2 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 6.998 min Scan# 1853

Delta R.T. -0.032 min

Lab File: VV026446.D

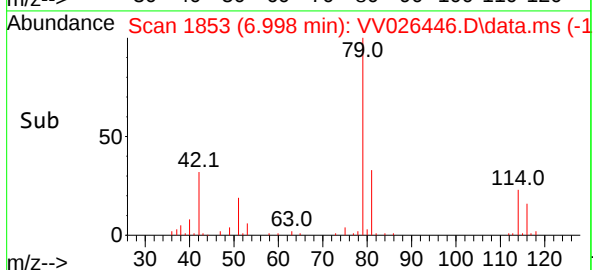
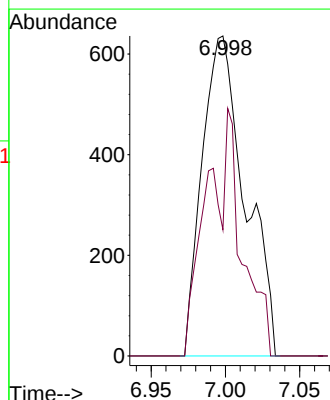
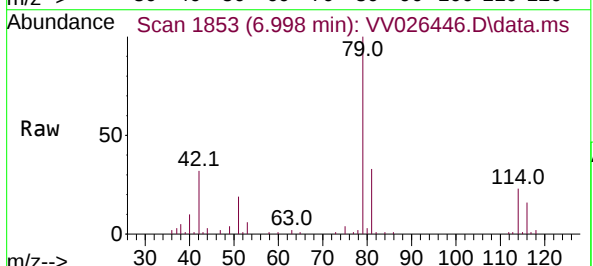
Acq: 20 Jun 2022 15:17

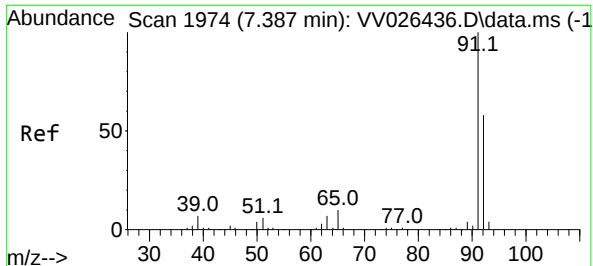
Tgt Ion: 75 Resp: 1283

Ion Ratio Lower Upper

75 100

77 39.5 23.0 42.6





#42

Toluene

Concen: 0.231 ug/L

RT: 7.400 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV026446.D

Acq: 20 Jun 2022 15:17

Instrument :

MSVOA_V

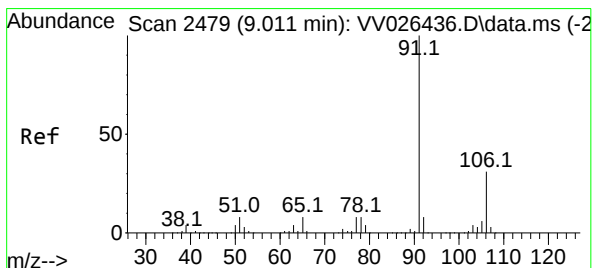
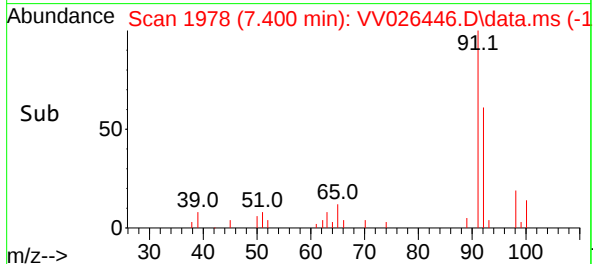
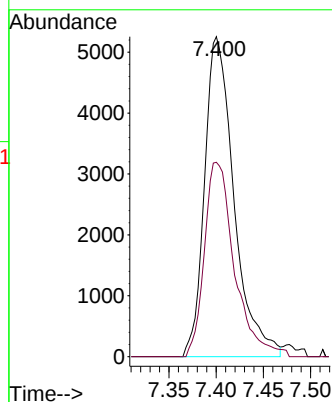
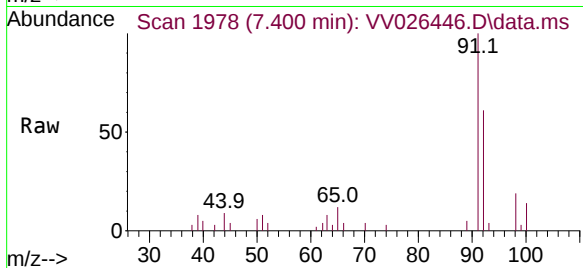
ClientSampleId :

Tgt Ion: 91 Resp: 11388

Ion Ratio Lower Upper

91 100

92 60.7 40.1 74.5



#52

Ethylbenzene

Concen: 0.058 ug/L

RT: 9.027 min Scan# 2484

Delta R.T. 0.016 min

Lab File: VV026446.D

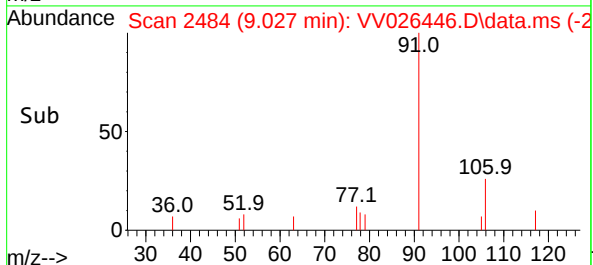
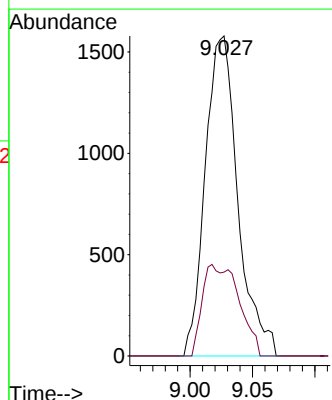
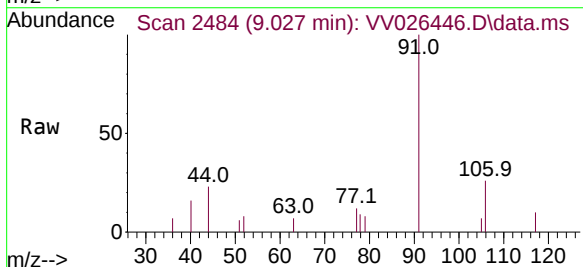
Acq: 20 Jun 2022 15:17

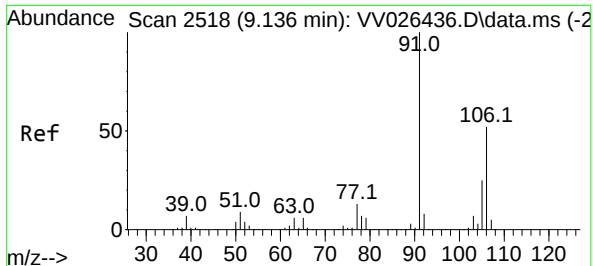
Tgt Ion: 91 Resp: 2876

Ion Ratio Lower Upper

91 100

106 26.2 21.6 40.0

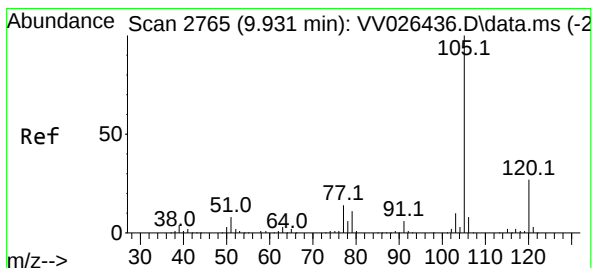
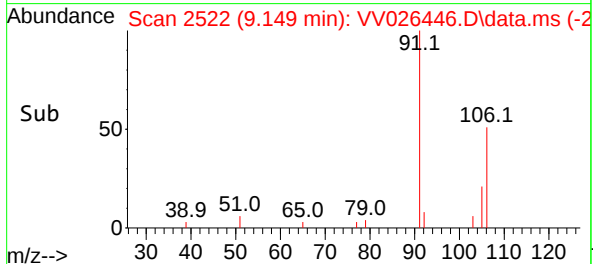
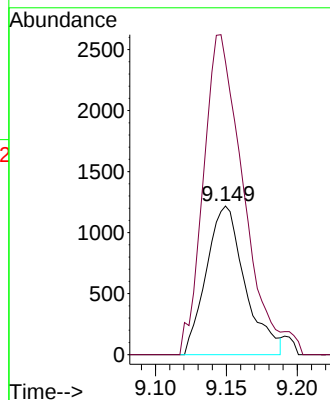
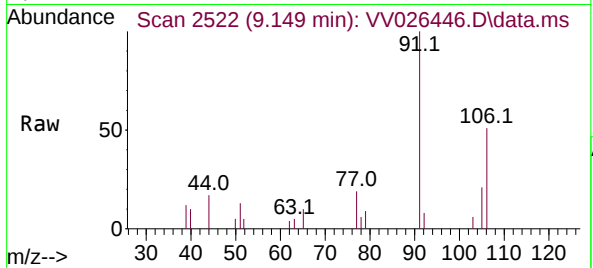




#53
m,p-Xylene
Concen: 0.120 ug/L
RT: 9.149 min Scan# 2109
Delta R.T. 0.013 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

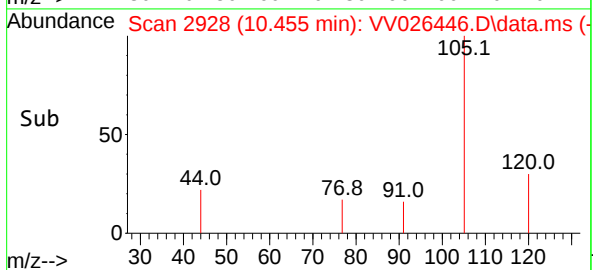
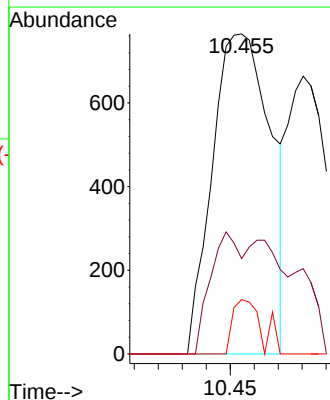
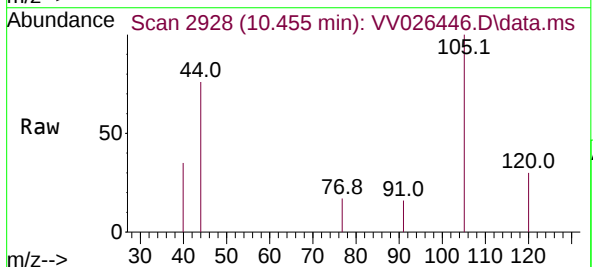
Instrument :
MSVOA_V
ClientSampleId :

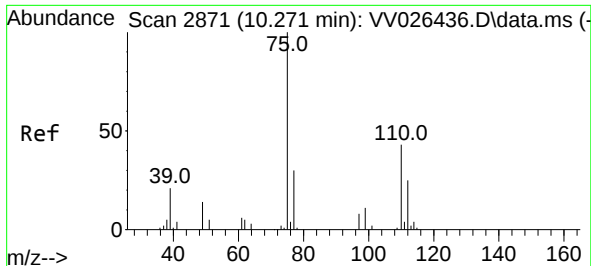
Tgt Ion:106 Resp: 2309
Ion Ratio Lower Upper
106 100
91 197.1 141.3 262.3



#60
Isopropylbenzene
Concen: 0.034 ug/L
RT: 10.455 min Scan# 2928
Delta R.T. 0.524 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

Tgt Ion:105 Resp: 1291
Ion Ratio Lower Upper
105 100
120 20.1 21.5 32.3#
77 8.4 12.2 18.4#

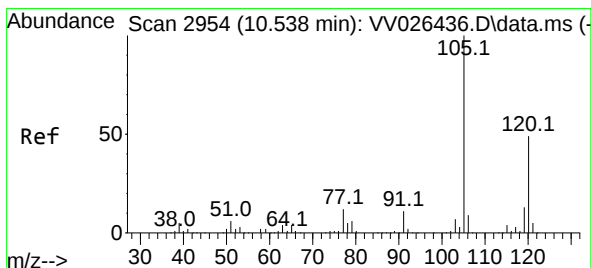
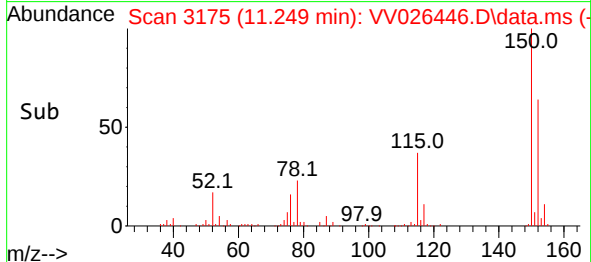
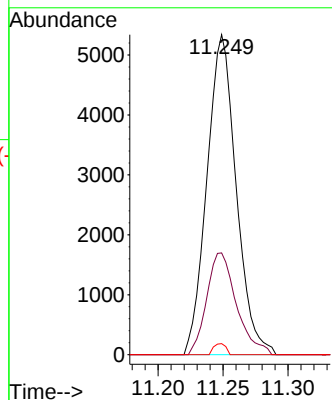
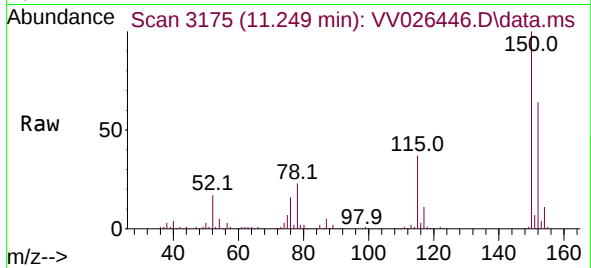




#61
1,2,3-Trichloropropane
Concen: 1.813 ug/L
RT: 11.249 min Scan# 3071
Delta R.T. 0.977 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

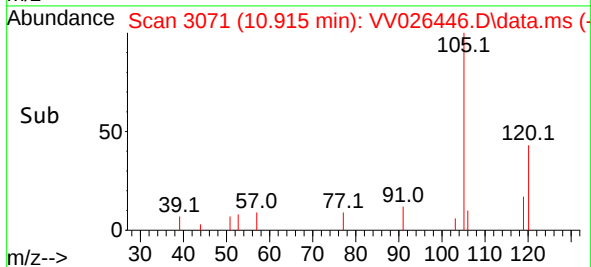
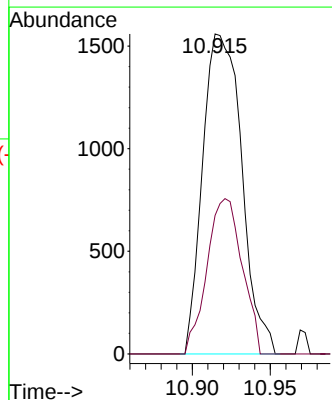
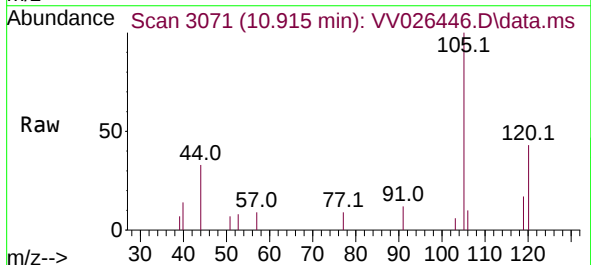
Instrument :
MSVOA_V
ClientSampleId :

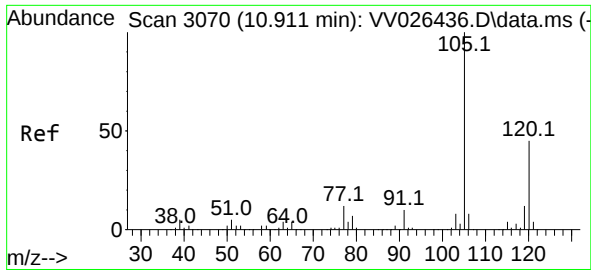
Tgt Ion: 75 Resp: 8358
Ion Ratio Lower Upper
75 100
77 32.3 26.9 40.3
110 1.4 30.7 46.1#



#62
1,3,5-Trimethylbenzene
Concen: 0.090 ug/L
RT: 10.915 min Scan# 3071
Delta R.T. 0.376 min
Lab File: VV026446.D
Acq: 20 Jun 2022 15:17

Tgt Ion: 105 Resp: 2709
Ion Ratio Lower Upper
105 100
120 43.9 39.9 59.9





#63

1,2,4-Trimethylbenzene

Concen: 0.091 ug/L

RT: 10.915 min Scan# 30

Delta R.T. 0.003 min

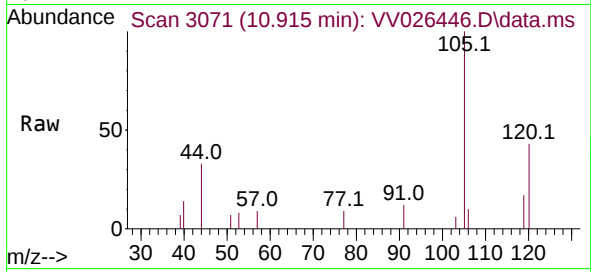
Lab File: VV026446.D

Acq: 20 Jun 2022 15:17

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:105 Resp: 2709

Ion Ratio Lower Upper

105 100

120 43.9 36.9 55.3

