

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121421\
 Data File : VU046366.D
 Acq On : 14 Dec 2021 19:09
 Operator : SY/MD
 Sample : M4997-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R3

Quant Time: Dec 15 03:44:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 15 03:40:56 2021
 Response via : Initial Calibration

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

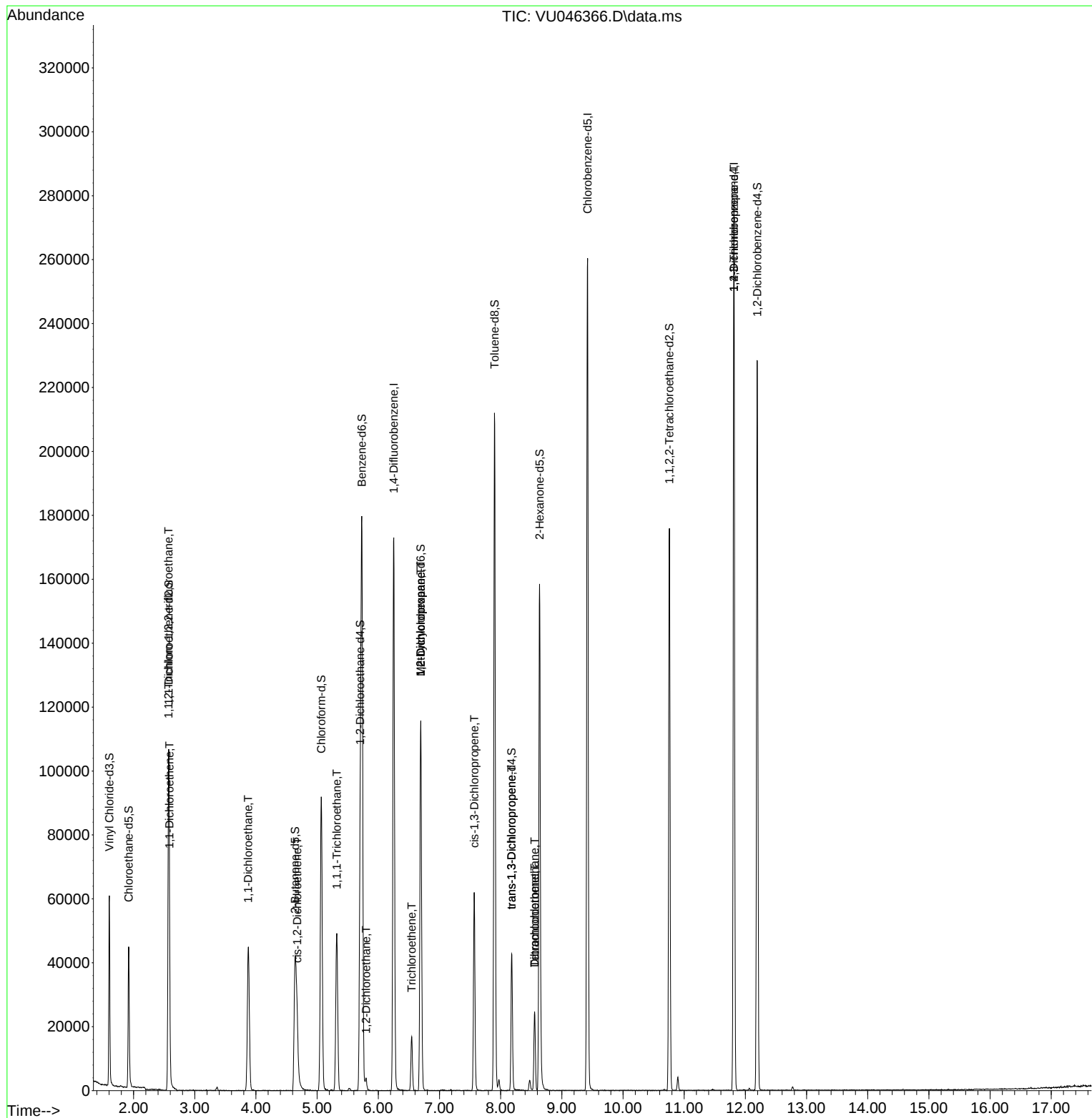
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	139775	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	144182	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	70729	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	43754	38.001	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.000%
7) Chloroethane-d5	1.919	69	34176	38.659	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.320%
11) 1,1-Dichloroethene-d2	2.575	63	63044	30.501	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.000%
21) 2-Butanone-d5	4.639	46	79867	87.257	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.260%
24) Chloroform-d	5.070	84	88150	45.845	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.700%
26) 1,2-Dichloroethane-d4	5.703	65	60662	47.010	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.020%
32) Benzene-d6	5.732	84	166784	40.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.720%
36) 1,2-Dichloropropane-d6	6.694	67	53908	42.091	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.180%
41) Toluene-d8	7.899	98	140207	37.263	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	74.520%#
43) trans-1,3-Dichloroprop...	8.179	79	25146	40.673	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.340%
47) 2-Hexanone-d5	8.636	63	57538	94.753	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.750%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	85179	43.855	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.700%
66) 1,2-Dichlorobenzene-d4	12.195	152	58429	42.896	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	555	0.546	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	7082	7.328	ug/L #	1
19) 1,1-Dichloroethane	3.874	63	51872	27.894	ug/L	97
20) cis-1,2-Dichloroethene	4.674	96	5478	4.936	ug/L	99
27) 1,2-Dichloroethane	5.800	62	2929	1.910	ug/L #	92
30) 1,1,1-Trichloroethane	5.321	97	37053	20.936	ug/L	100
34) Trichloroethene	6.546	95	5932	5.160	ug/L	96
35) Methylcyclohexane	6.694	83	13411	7.524	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6005	5.253	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1455	0.837	ug/L #	51
44) trans-1,3-Dichloropropene	8.179	75	1152	0.674	ug/L #	62
46) Tetrachloroethene	8.555	164	5366	6.352	ug/L	92
49) Dibromochloromethane	8.555	129	5518	4.582	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	8779	5.662	ug/L #	63

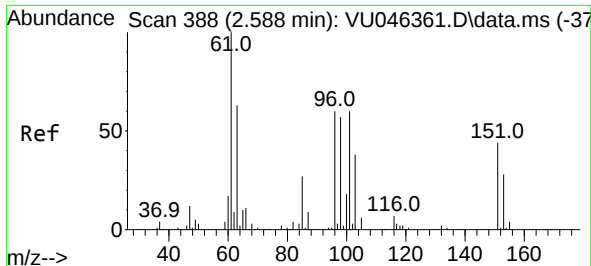
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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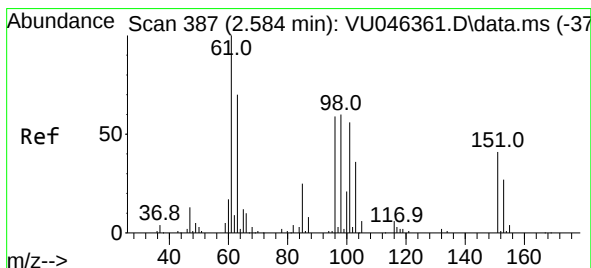
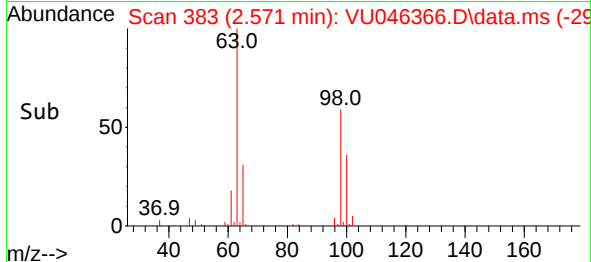
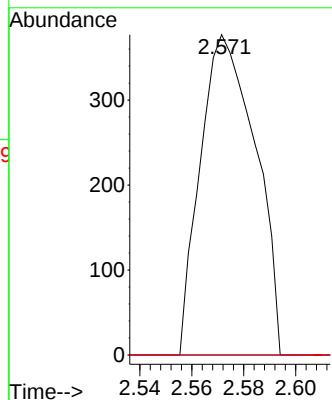
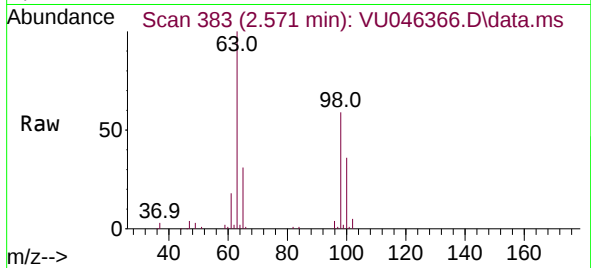




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.546 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046366.D
Acq: 14 Dec 2021 19:09

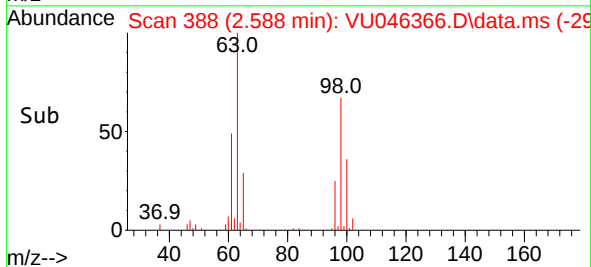
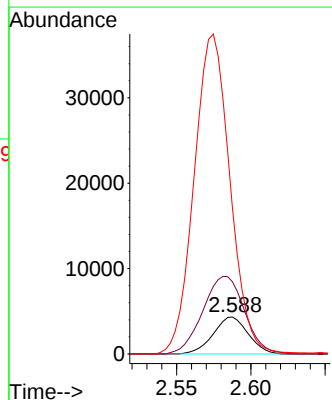
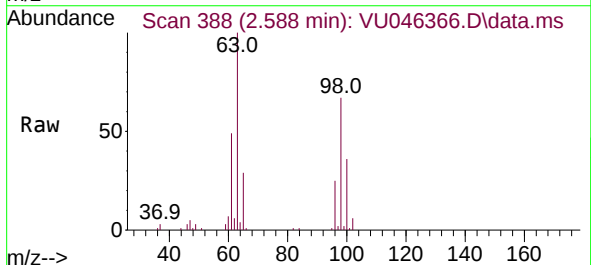
Instrument :
MSVOA_U
ClientSampleId :
EW5R3

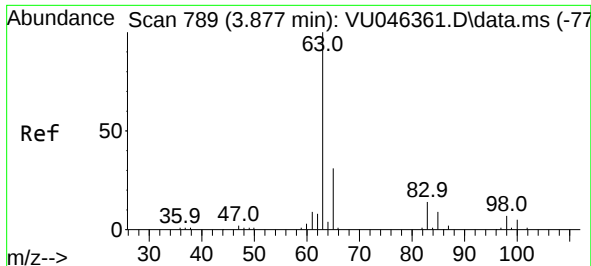
Tgt Ion:101 Resp: 555
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 7.328 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU046366.D
Acq: 14 Dec 2021 19:09

Tgt Ion: 96 Resp: 7082
Ion Ratio Lower Upper
96 100
61 195.9 118.6 220.2
63 397.9 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 27.894 ug/L

RT: 3.874 min Scan# 7

Delta R.T. -0.003 min

Lab File: VU046366.D

Acq: 14 Dec 2021 19:09

Instrument :

MSVOA_U

ClientSampleId :

EW5R3

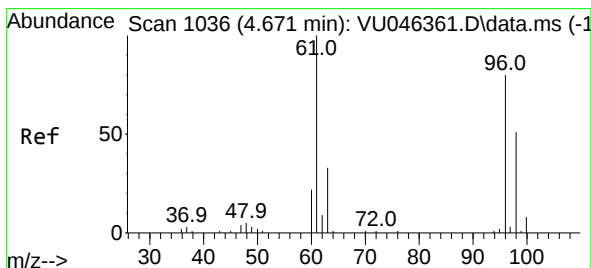
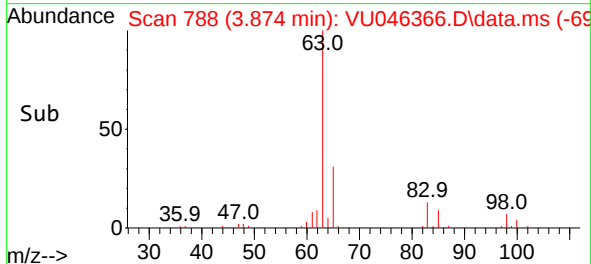
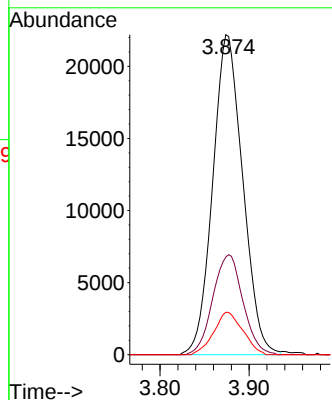
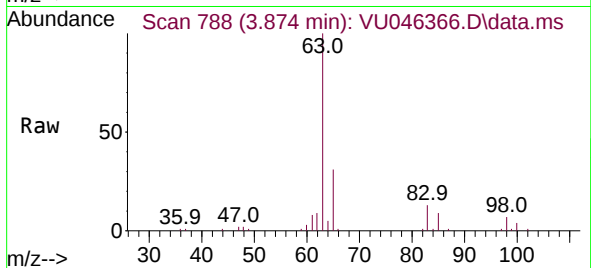
Tgt Ion: 63 Resp: 51872

Ion Ratio Lower Upper

63 100

65 30.5 22.8 42.4

83 13.2 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 4.936 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. 0.003 min

Lab File: VU046366.D

Acq: 14 Dec 2021 19:09

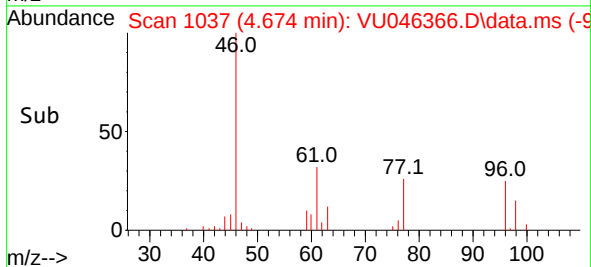
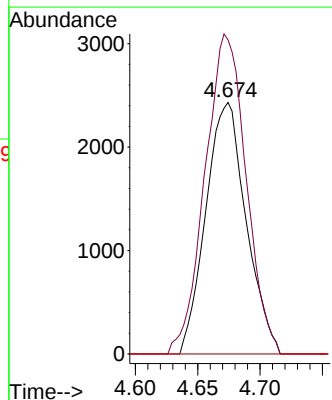
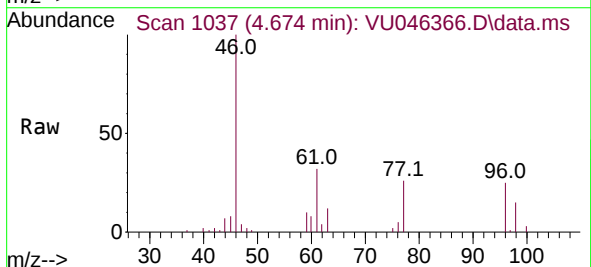
Tgt Ion: 96 Resp: 5478

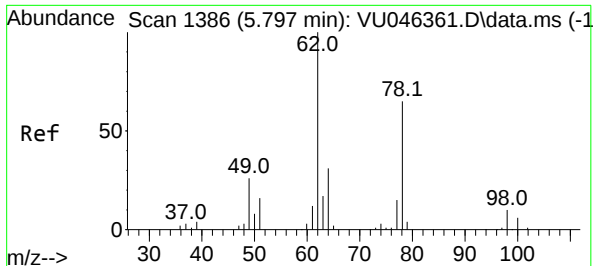
Ion Ratio Lower Upper

96 100

61 124.9 86.8 161.2

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 1.910 ug/L

RT: 5.800 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU046366.D

Acq: 14 Dec 2021 19:09

Instrument :

MSVOA_U

ClientSampleId :

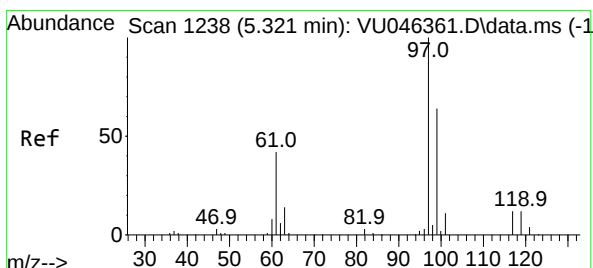
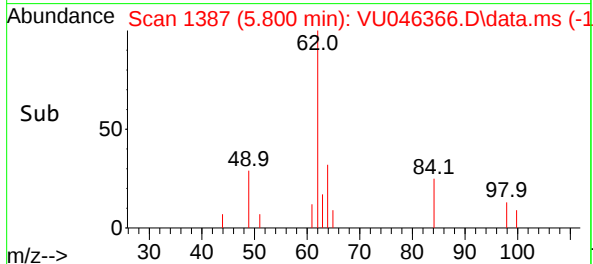
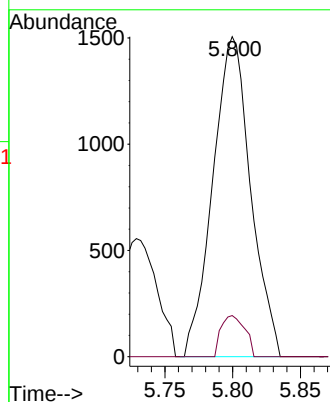
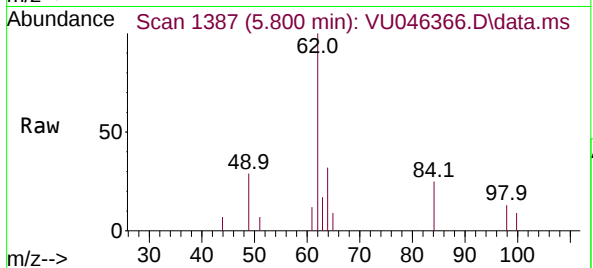
EW5R3

Tgt Ion: 62 Resp: 2929

Ion Ratio Lower Upper

62 100

98 12.9 7.9 11.9#



#30

1,1,1-Trichloroethane

Concen: 20.936 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046366.D

Acq: 14 Dec 2021 19:09

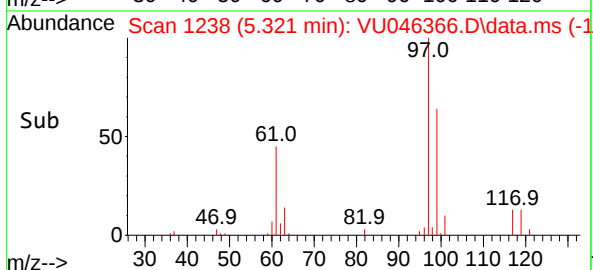
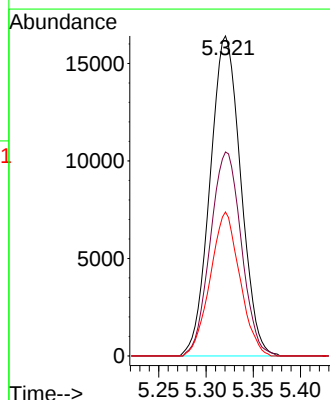
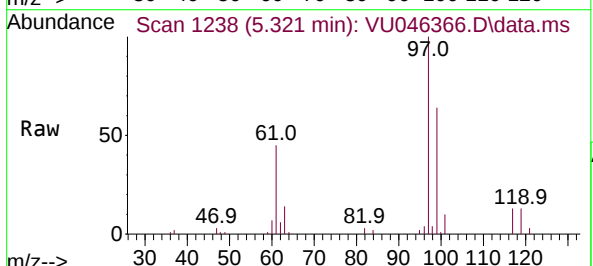
Tgt Ion: 97 Resp: 37053

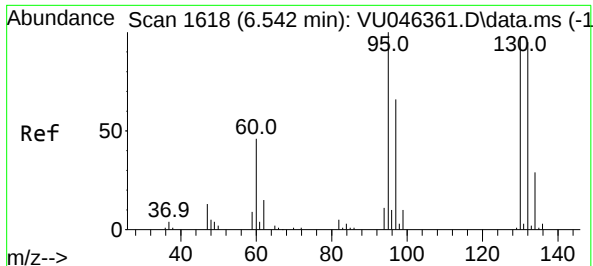
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 43.5 34.4 51.6

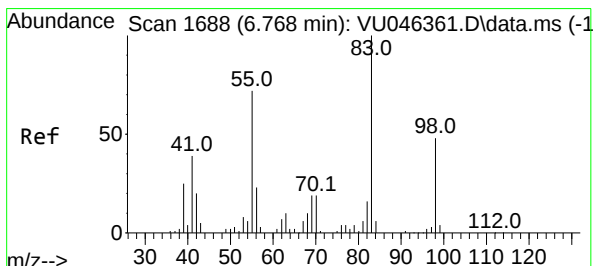
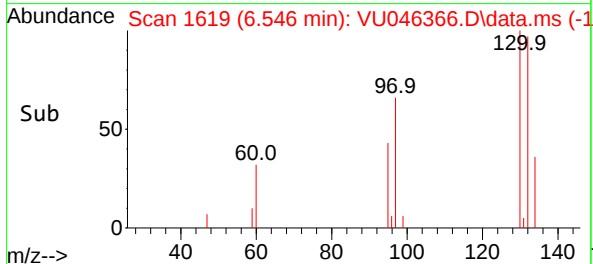
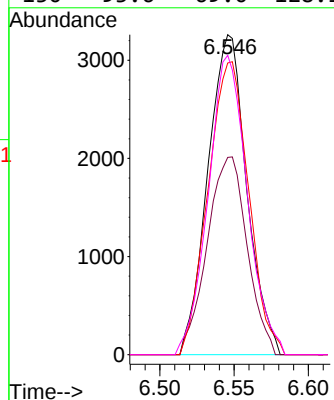
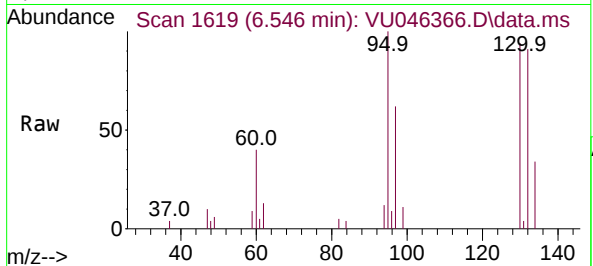




#34
Trichloroethene
Concen: 5.160 ug/L
RT: 6.546 min Scan# 1665
Delta R.T. 0.003 min
Lab File: VU046366.D
Acq: 14 Dec 2021 19:09

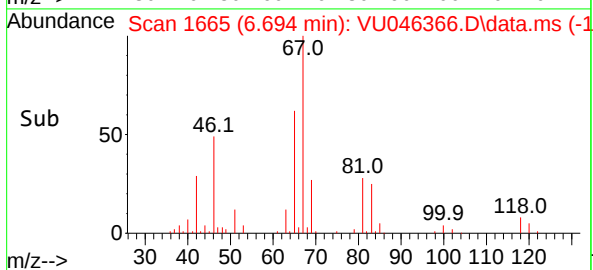
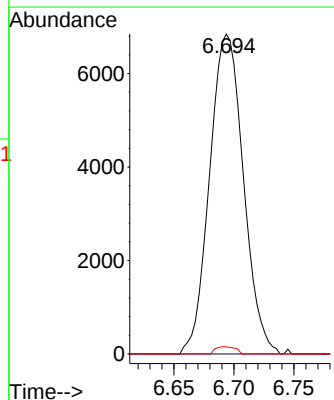
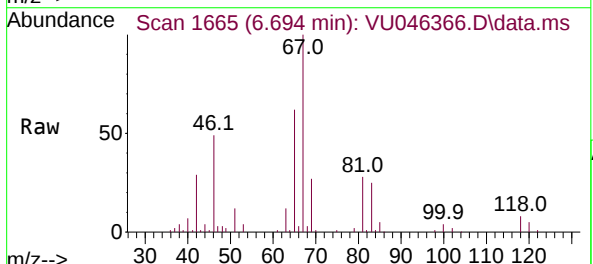
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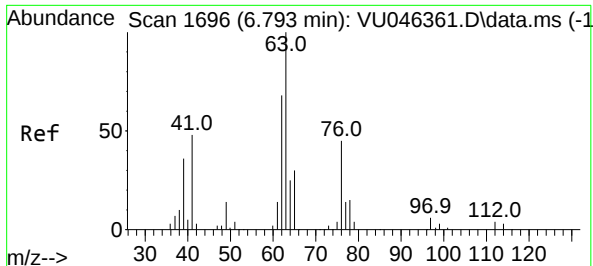
Tgt Ion: 95 Resp: 5932
Ion Ratio Lower Upper
95 100
97 61.6 44.1 81.9
132 91.1 66.8 124.0
130 93.6 69.0 128.1



#35
Methylcyclohexane
Concen: 7.524 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046366.D
Acq: 14 Dec 2021 19:09

Tgt Ion: 83 Resp: 13411
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.3 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.253 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046366.D

Acq: 14 Dec 2021 19:09

Instrument :

MSVOA_U

ClientSampleId :

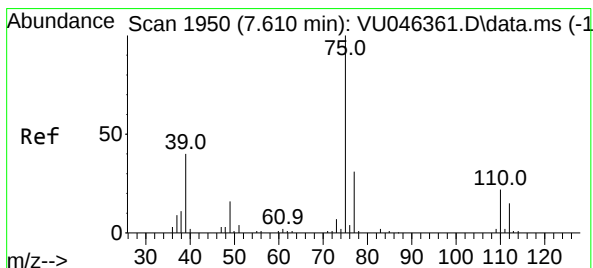
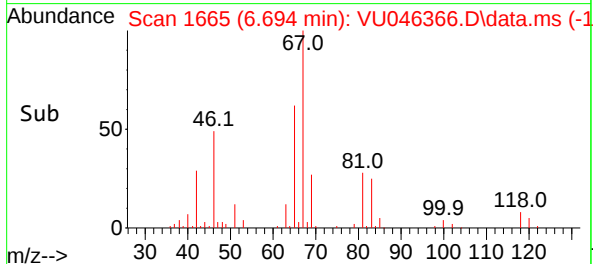
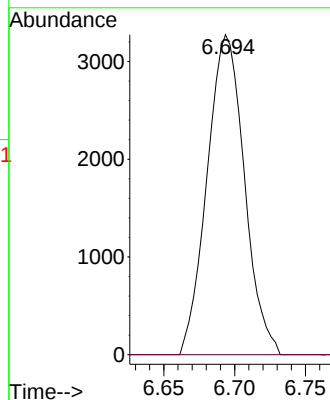
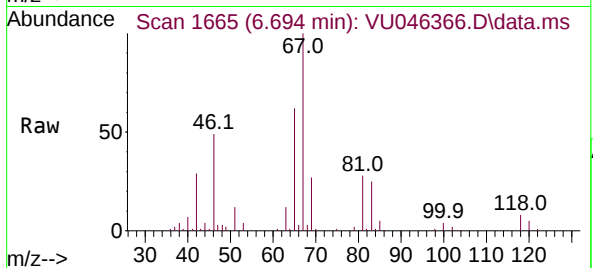
EW5R3

Tgt Ion: 63 Resp: 6005

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.837 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046366.D

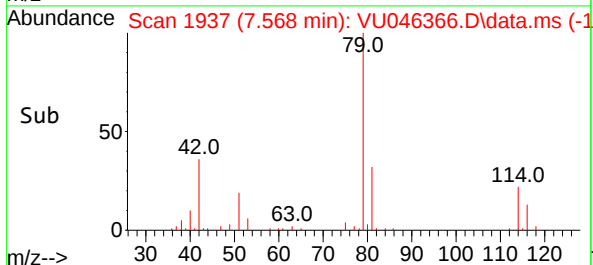
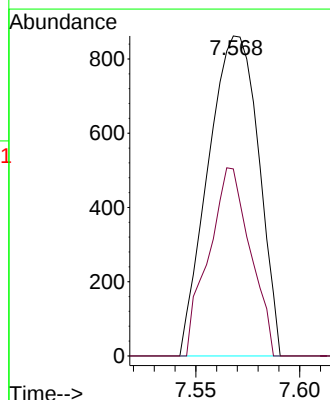
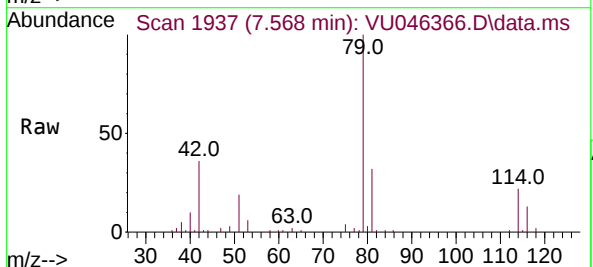
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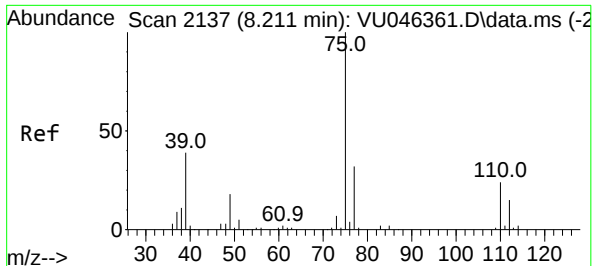
Tgt Ion: 75 Resp: 1455

Ion Ratio Lower Upper

75 100

77 58.5 21.8 40.6#

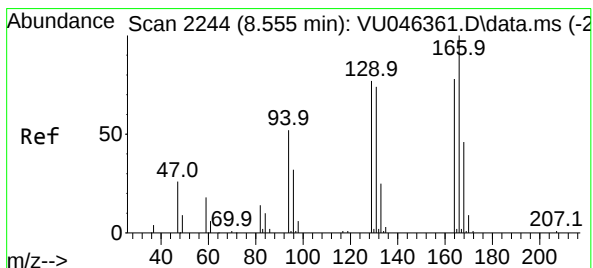
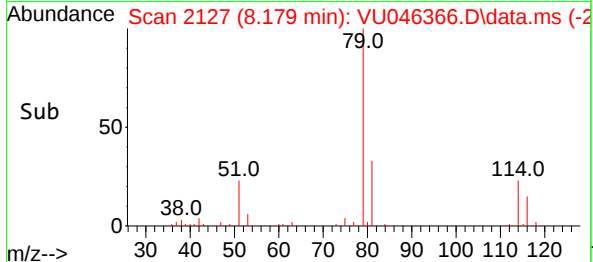
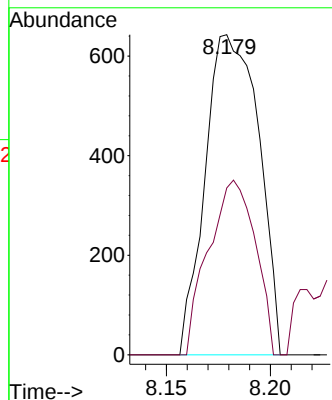
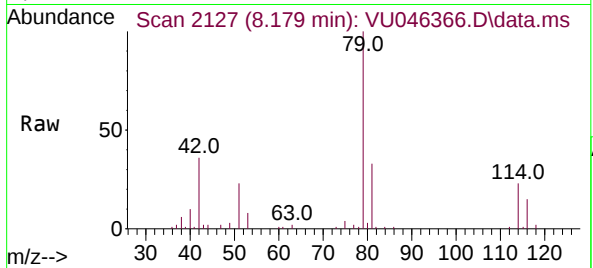




#44
trans-1,3-Dichloropropene
Concen: 0.674 ug/L
RT: 8.179 min Scan# 2137
Delta R.T. -0.032 min
Lab File: VU046366.D
Acq: 14 Dec 2021 19:09

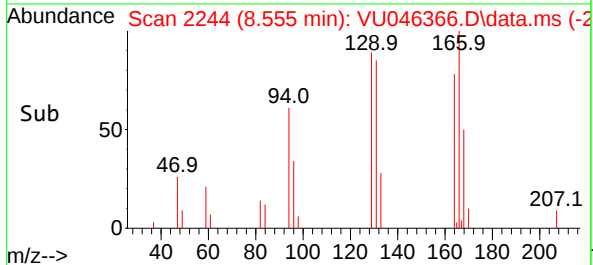
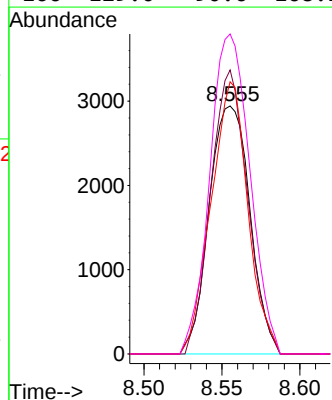
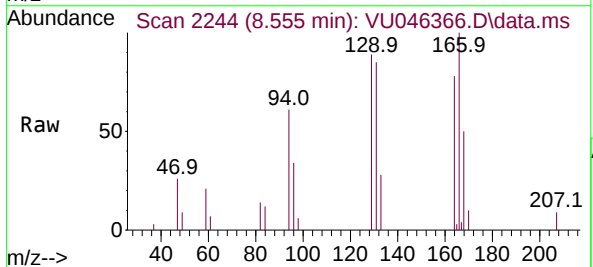
Instrument :
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ClientSampleId :
EW5R3

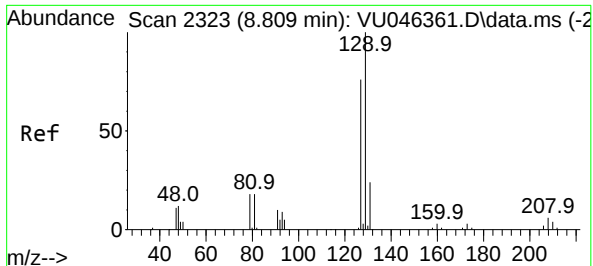
Tgt Ion: 75 Resp: 1152
Ion Ratio Lower Upper
75 100
77 52.1 21.7 40.3#



#46
Tetrachloroethene
Concen: 6.352 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU046366.D
Acq: 14 Dec 2021 19:09

Tgt Ion: 164 Resp: 5366
Ion Ratio Lower Upper
164 100
129 114.5 71.1 132.1
131 109.8 67.8 126.0
166 129.0 90.6 168.2





#49

Dibromochloromethane

Concen: 4.582 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU046366.D

Acq: 14 Dec 2021 19:09

Instrument :

MSVOA_U

ClientSampleId :

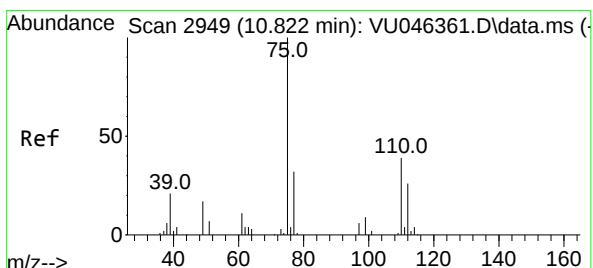
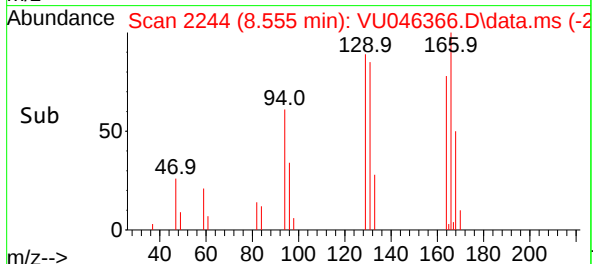
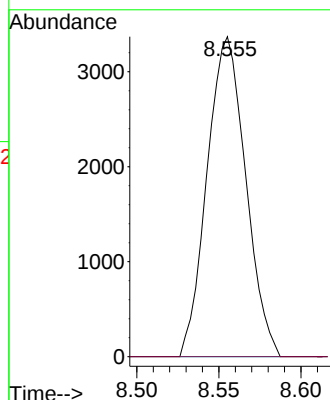
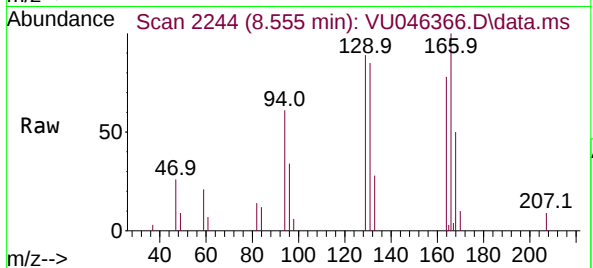
EW5R3

Tgt Ion:129 Resp: 5518

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.662 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.990 min

Lab File: VU046366.D

Acq: 14 Dec 2021 19:09

Tgt Ion: 75 Resp: 8779

Ion Ratio Lower Upper

75 100

77 29.4 26.4 39.6

110 2.2 32.4 48.6#

