

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046342.D
 Acq On : 14 Dec 2021 01:19
 Operator : SY/MD
 Sample : M4975-06DL 400X.
 Misc : 6.78g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 14 03:56:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	147454	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	159317	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	80609	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	59356	48.867	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.740%
7) Chloroethane-d5	1.919	69	41861	44.886	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.780%
11) 1,1-Dichloroethene-d2	2.572	63	74126	33.995	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.980%
21) 2-Butanone-d5	4.642	46	84155	87.154	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.150%
24) Chloroform-d	5.067	84	93490	46.090	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.180%
26) 1,2-Dichloroethane-d4	5.706	65	65989	48.475	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.960%
32) Benzene-d6	5.732	84	193921	42.468	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.940%
36) 1,2-Dichloropropane-d6	6.694	67	61707	43.604	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.200%
41) Toluene-d8	7.899	98	167700	40.336	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.680%
43) trans-1,3-Dichloroprop...	8.182	79	28070	41.089	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.180%
47) 2-Hexanone-d5	8.636	63	64904	96.729	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.730%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	95716	44.598	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.200%
66) 1,2-Dichlorobenzene-d4	12.195	152	68285	43.987	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.980%

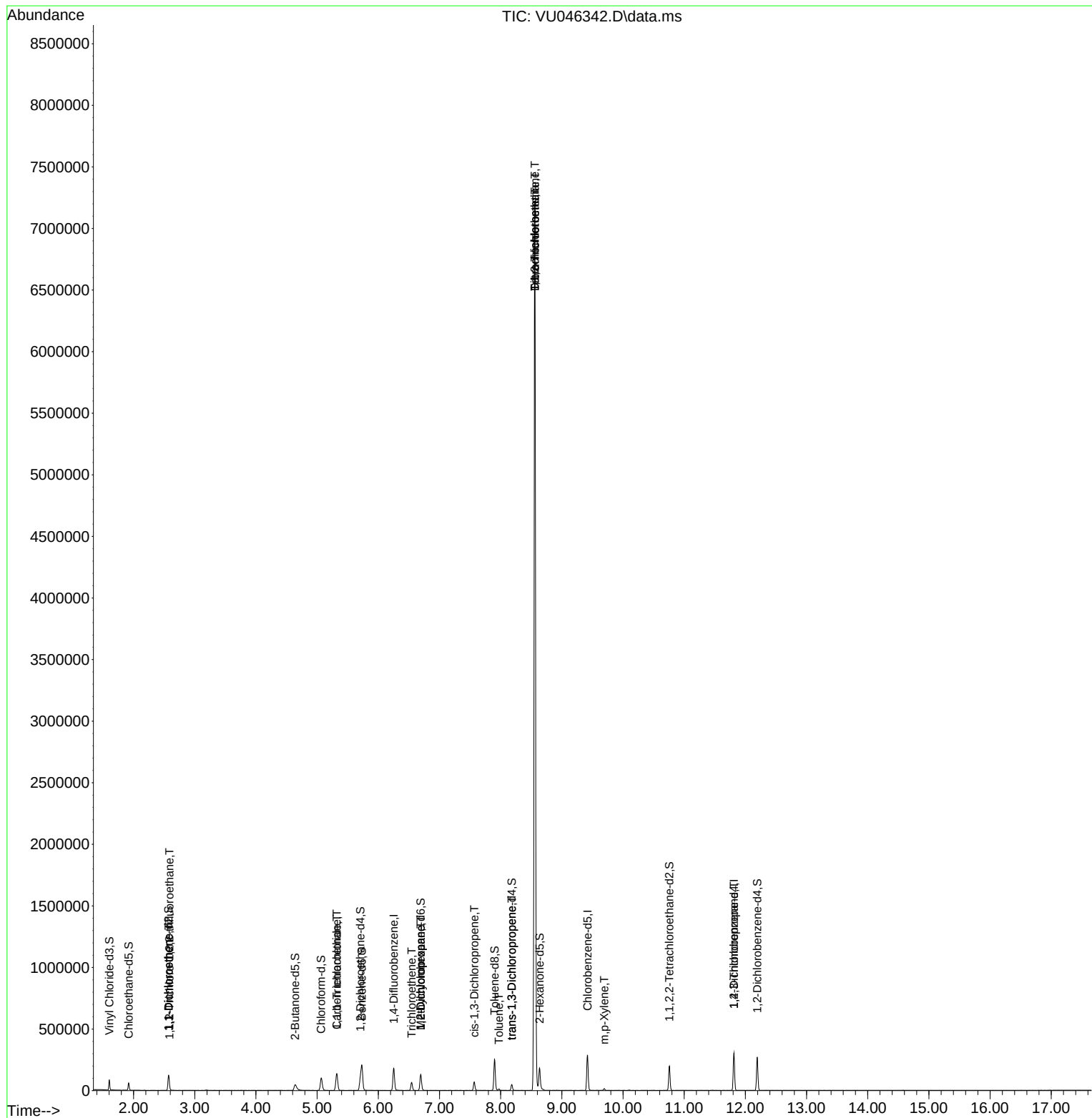
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	2126	1.981	ug/L #	76
12) 1,1-Dichloroethene	2.575	96	732	0.718	ug/L #	1
30) 1,1,1-Trichloroethane	5.321	97	100052	51.161	ug/L	99
31) Carbon tetrachloride	5.321	117	12002	7.229	ug/L	92
34) Trichloroethene	6.546	95	21953	17.282	ug/L	97
35) Methylcyclohexane	6.694	83	14654	7.440	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6565	5.197	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1776	0.924	ug/L #	57
42) Toluene	7.973	91	8602	1.663	ug/L	91
44) trans-1,3-Dichloropropene	8.182	75	1217	0.645	ug/L	84
45) 1,1,2-Trichloroethane	8.558	97	14534	11.469	ug/L #	1
46) Tetrachloroethene	8.558	164	1534133	1643.398	ug/L	99
49) Dibromochloromethane	8.558	129	1544959	1160.962	ug/L #	10
53) m,p-Xylene	9.693	106	4134	1.904	ug/L	93
60) 1,2,3-Trichloropropane	11.812	75	9800	5.546	ug/L #	65

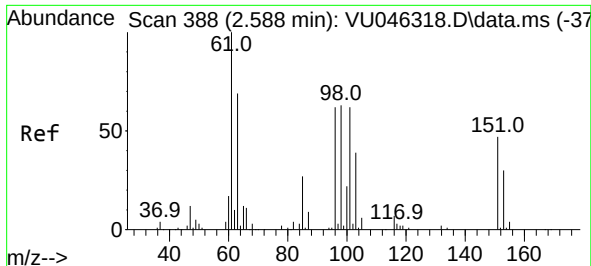
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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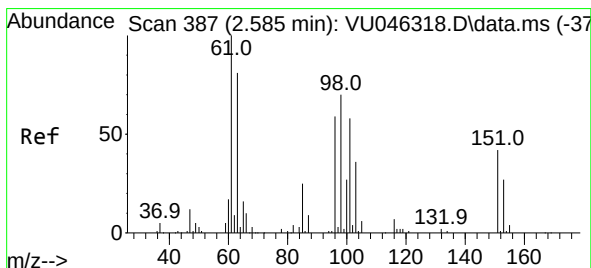
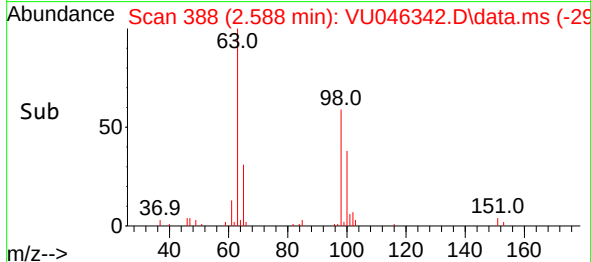
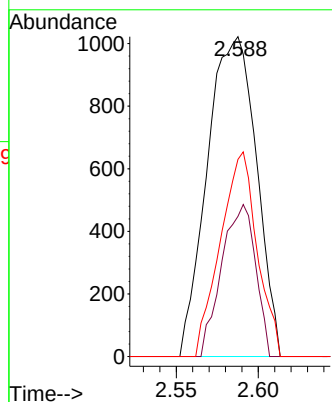
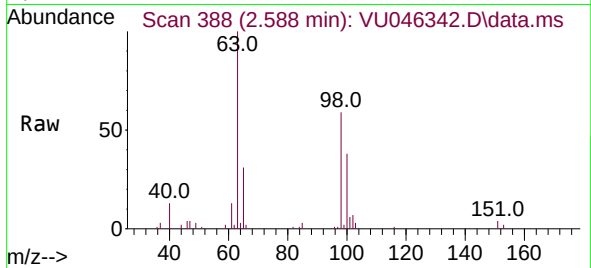




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.981 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046342.D
 Acq: 14 Dec 2021 01:19

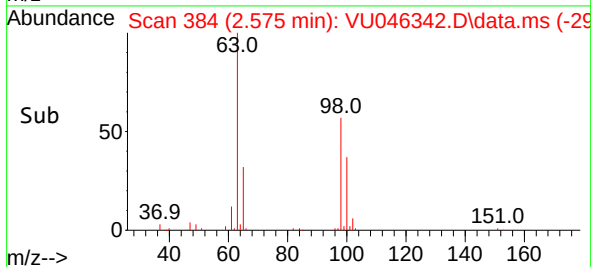
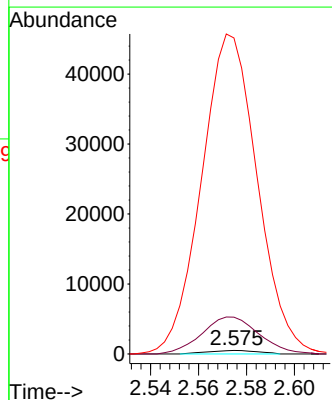
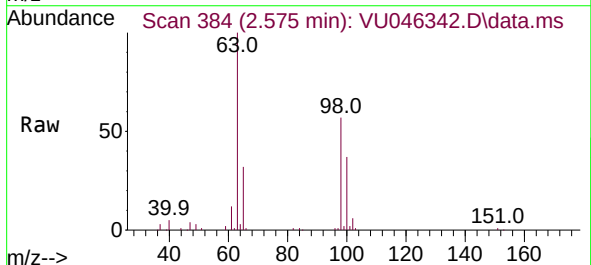
Instrument :
 MSVOA_U
 ClientSampleId :

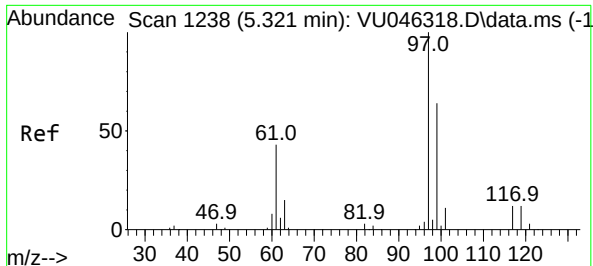
Tgt Ion:101 Resp: 2126
 Ion Ratio Lower Upper
 101 100
 85 32.8 35.1 52.7#
 151 47.9 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.718 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.010 min
 Lab File: VU046342.D
 Acq: 14 Dec 2021 01:19

Tgt Ion: 96 Resp: 732
 Ion Ratio Lower Upper
 96 100
 61 1043.3 118.6 220.2#
 63 8961.9 93.0 172.8#





#30

1,1,1-Trichloroethane

Concen: 51.161 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046342.D

Acq: 14 Dec 2021 01:19

Instrument :

MSVOA_U

ClientSampleId :

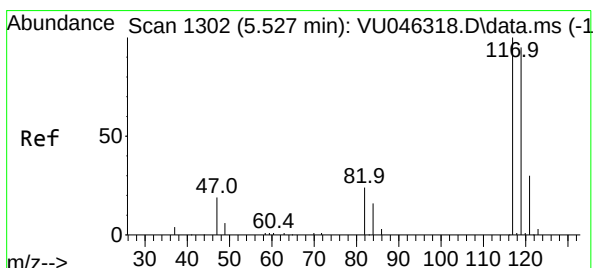
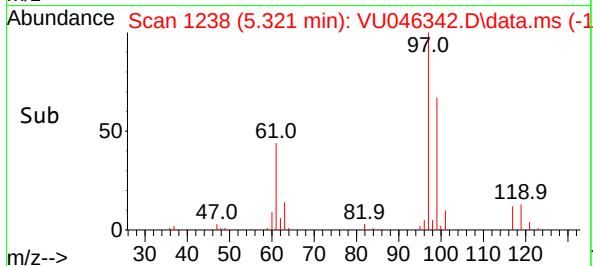
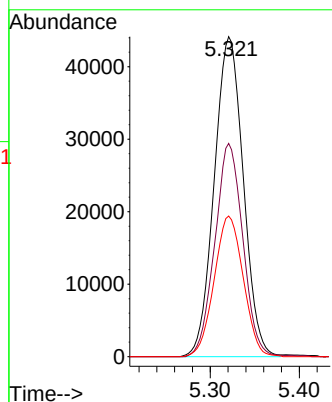
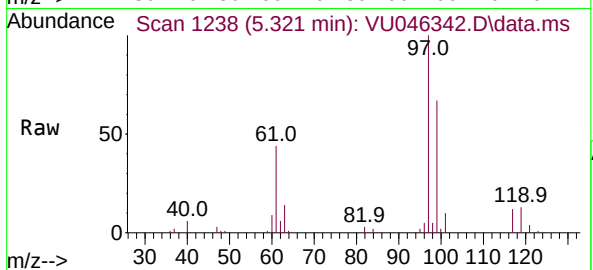
Tgt Ion: 97 Resp: 100052

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.6

61 44.0 34.4 51.6



#31

Carbon tetrachloride

Concen: 7.229 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.206 min

Lab File: VU046342.D

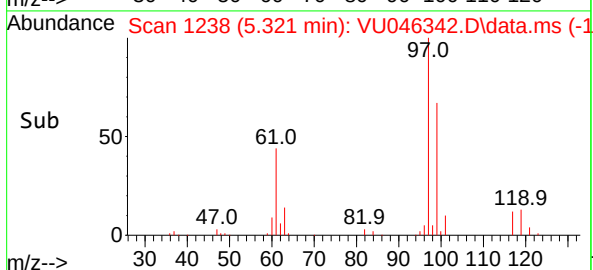
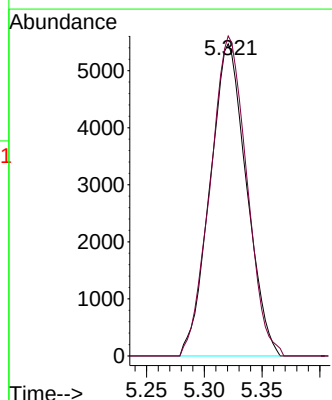
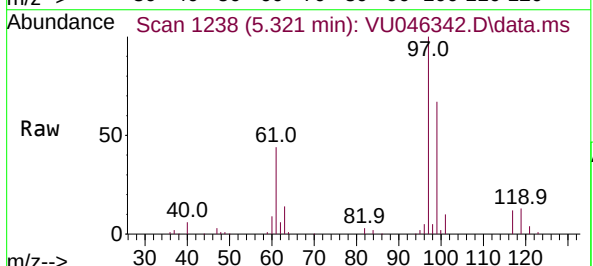
Acq: 14 Dec 2021 01:19

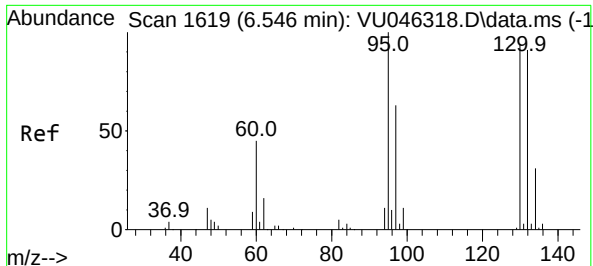
Tgt Ion: 117 Resp: 12002

Ion Ratio Lower Upper

117 100

119 102.5 75.7 113.5

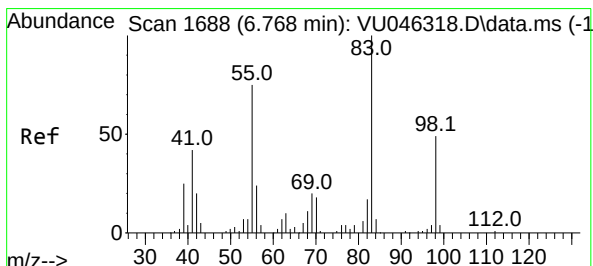
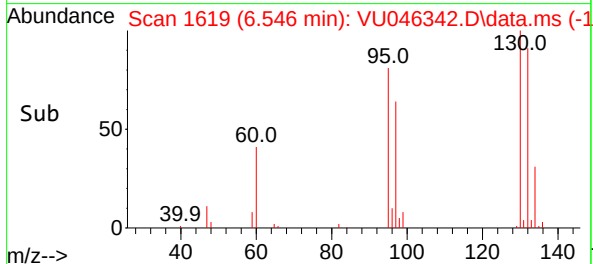
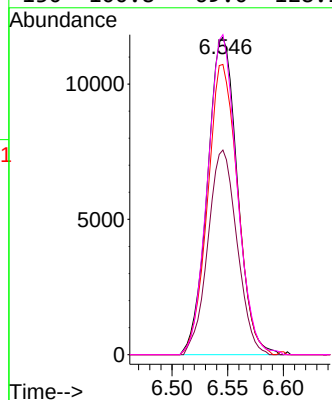
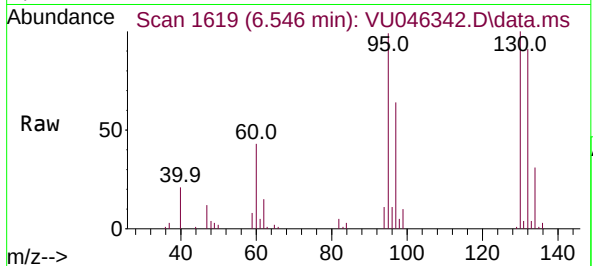




#34
Trichloroethene
Concen: 17.282 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046342.D
Acq: 14 Dec 2021 01:19

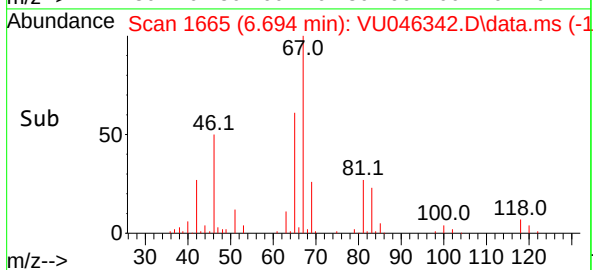
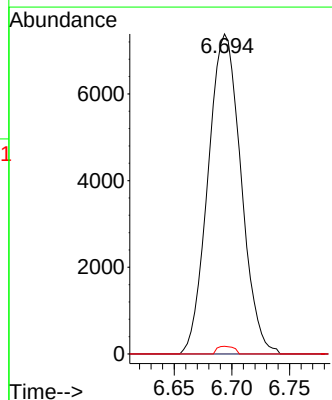
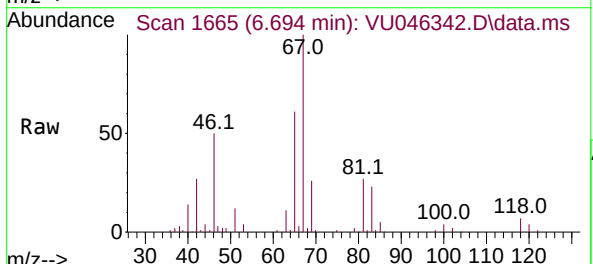
Instrument :
MSVOA_U
ClientSampleId :

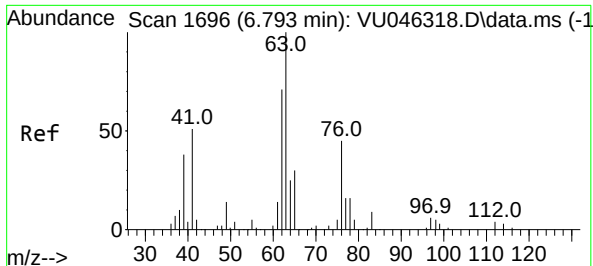
Tgt Ion: 95 Resp: 21953
Ion Ratio Lower Upper
95 100
97 64.4 44.1 81.9
132 91.4 66.8 124.0
130 100.8 69.0 128.1



#35
Methylcyclohexane
Concen: 7.440 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046342.D
Acq: 14 Dec 2021 01:19

Tgt Ion: 83 Resp: 14654
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.6#
98 1.2 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 5.197 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046342.D

Acq: 14 Dec 2021 01:19

Instrument :

MSVOA_U

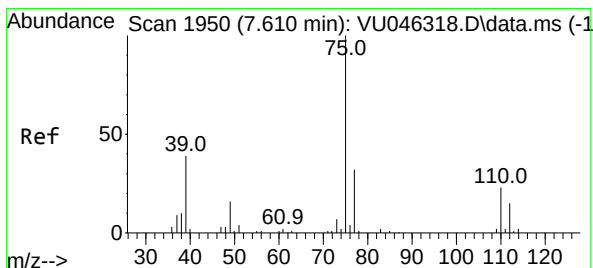
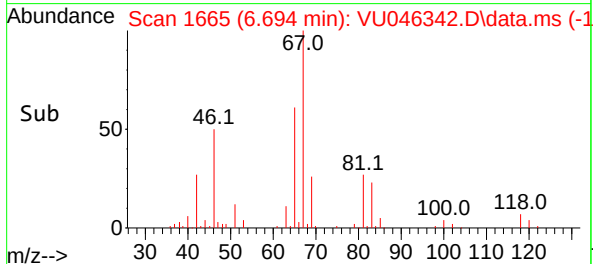
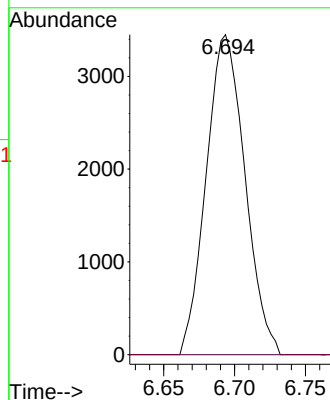
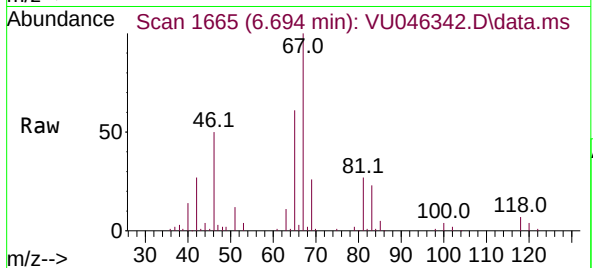
ClientSampleId :

Tgt Ion: 63 Resp: 6565

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.924 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046342.D

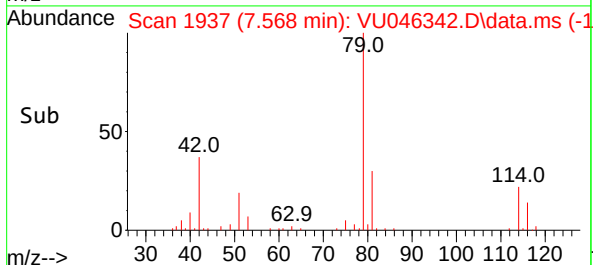
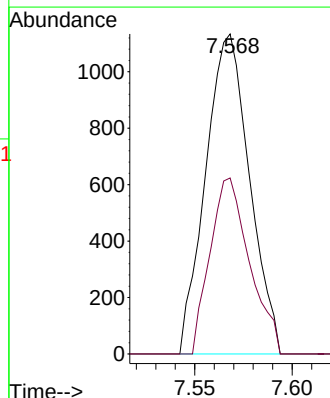
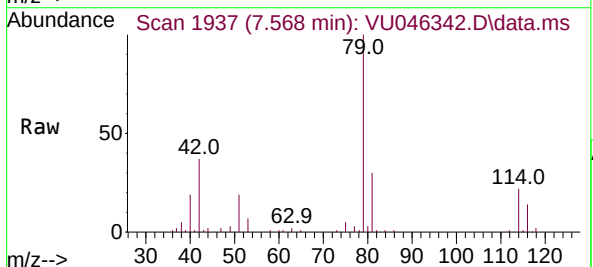
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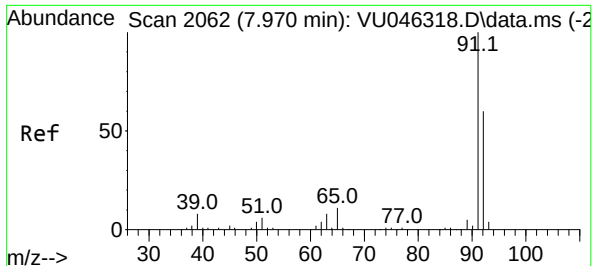
Tgt Ion: 75 Resp: 1776

Ion Ratio Lower Upper

75 100

77 55.0 21.8 40.6#





#42

Toluene

Concen: 1.663 ug/L

RT: 7.973 min Scan# 2062

Delta R.T. 0.003 min

Lab File: VU046342.D

Acq: 14 Dec 2021 01:19

Instrument :

MSVOA_U

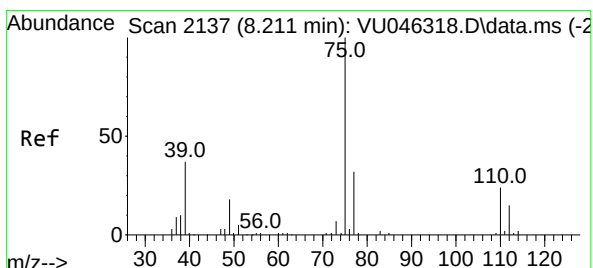
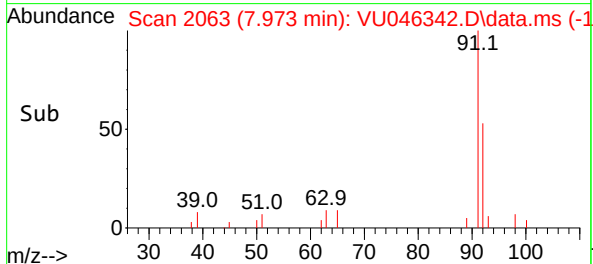
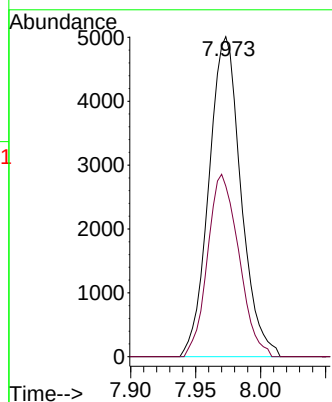
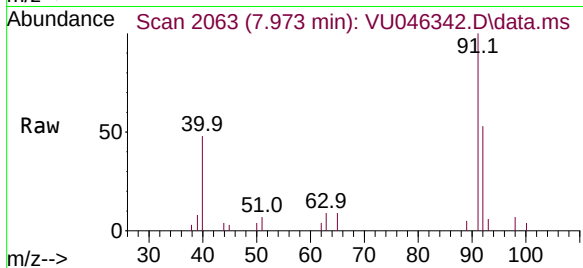
ClientSampleId :

Tgt Ion: 91 Resp: 8602

Ion Ratio Lower Upper

91 100

92 53.3 41.9 77.7



#44

trans-1,3-Dichloropropene

Concen: 0.645 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU046342.D

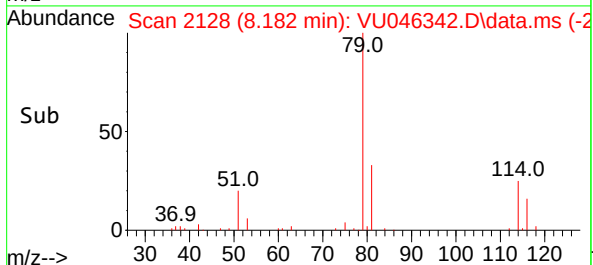
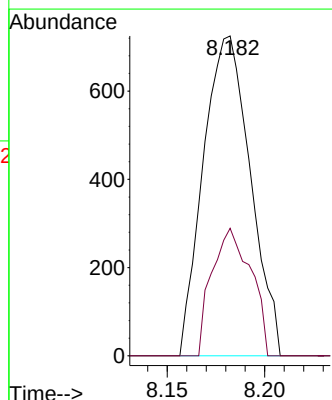
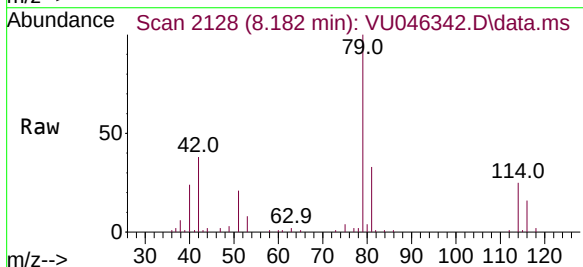
Acq: 14 Dec 2021 01:19

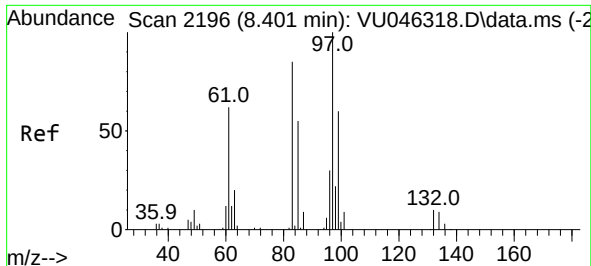
Tgt Ion: 75 Resp: 1217

Ion Ratio Lower Upper

75 100

77 39.9 21.7 40.3

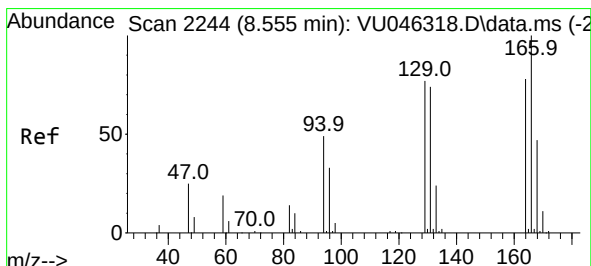
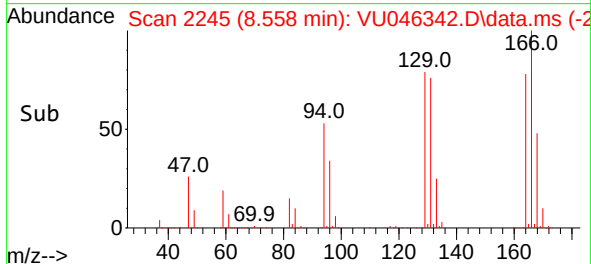
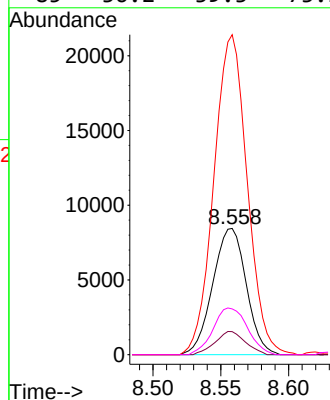
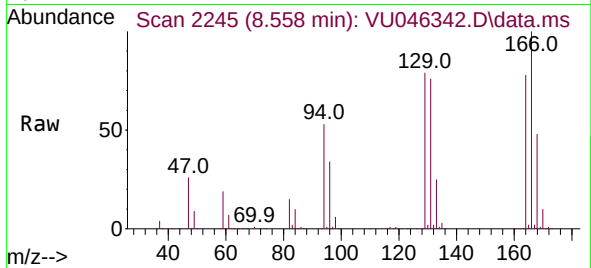




#45
1,1,2-Trichloroethane
Concen: 11.469 ug/L
RT: 8.558 min Scan# 2196
Delta R.T. 0.157 min
Lab File: VU046342.D
Acq: 14 Dec 2021 01:19

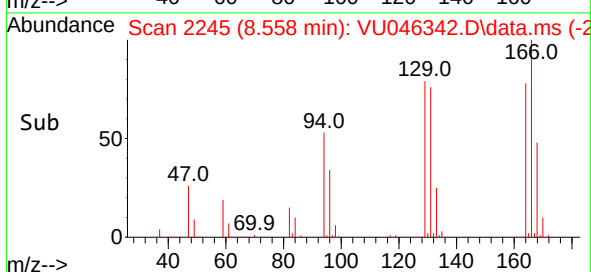
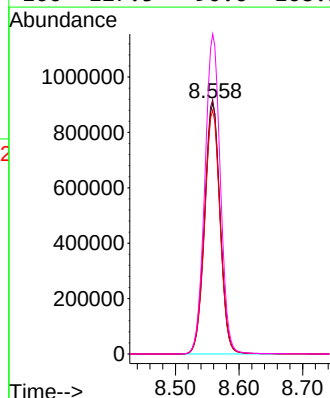
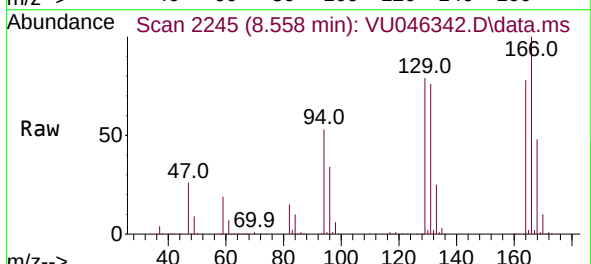
Instrument :
MSVOA_U
ClientSampleId :

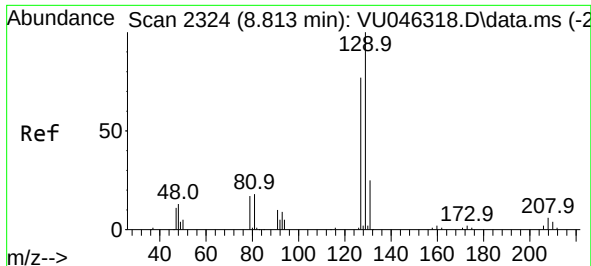
Tgt Ion: 97	Resp: 14534
Ion Ratio	Lower Upper
97	100
99	18.3 44.7 82.9#
83	253.5 60.2 111.8#
85	36.2 39.3 73.1#



#46
Tetrachloroethene
Concen: 1643.398 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. 0.003 min
Lab File: VU046342.D
Acq: 14 Dec 2021 01:19

Tgt Ion: 164	Resp: 1534133
Ion Ratio	Lower Upper
164	100
129	101.4 71.1 132.1
131	97.1 67.8 126.0
166	127.5 90.6 168.2





#49

Dibromochloromethane

Concen: 1160.962 ug/L

RT: 8.558 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU046342.D

Acq: 14 Dec 2021 01:19

Instrument :

MSVOA_U

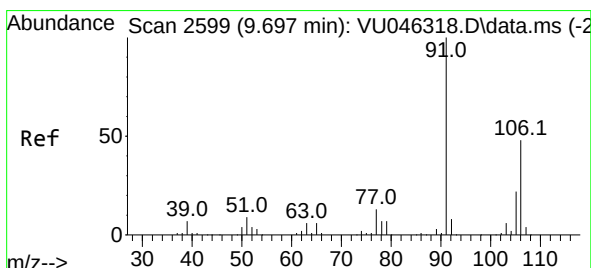
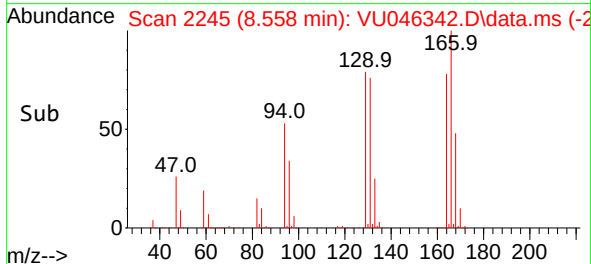
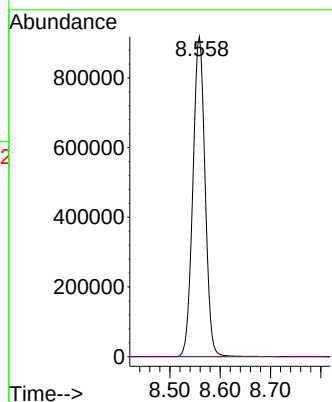
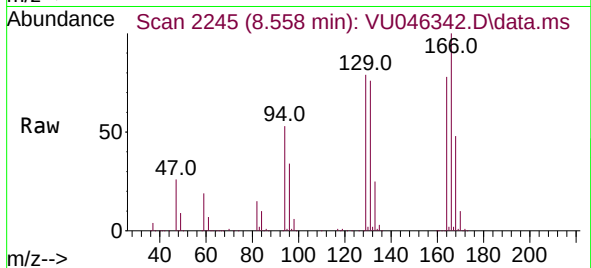
ClientSampleId :

Tgt Ion:129 Resp: 1544959

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#53

m,p-Xylene

Concen: 1.904 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. -0.003 min

Lab File: VU046342.D

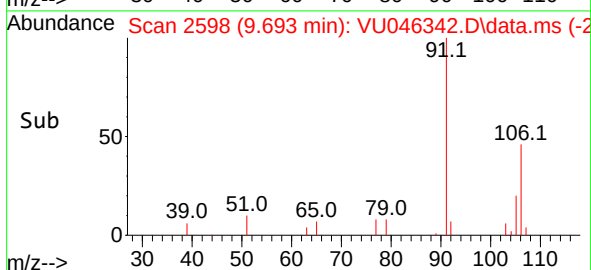
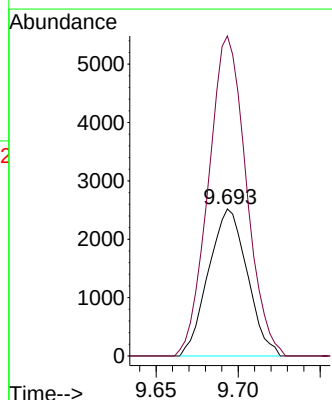
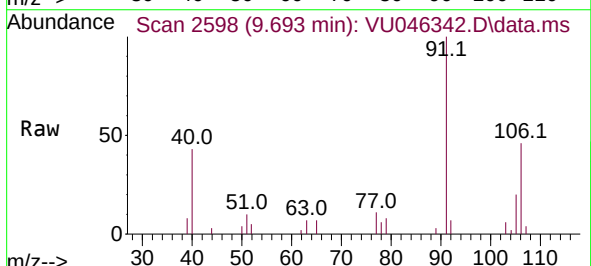
Acq: 14 Dec 2021 01:19

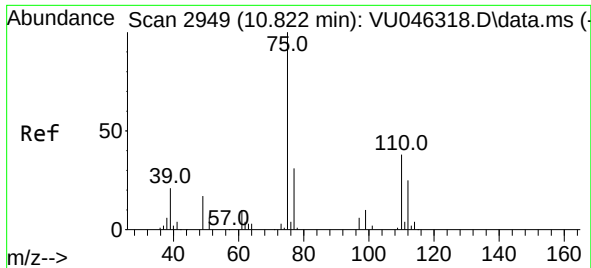
Tgt Ion:106 Resp: 4134

Ion Ratio Lower Upper

106 100

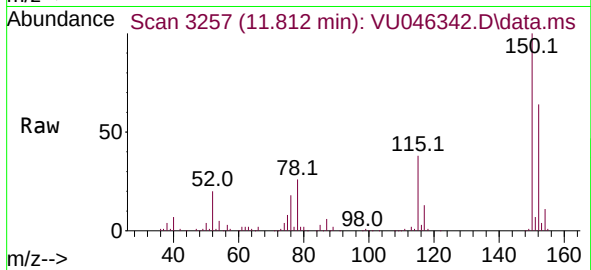
91 217.7 144.3 268.1





#60
 1,2,3-Trichloropropane
 Concen: 5.546 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU046342.D
 Acq: 14 Dec 2021 01:19

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 9800
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.4 39.6
 110 1.3 32.4 48.6#

