

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046392.D
 Acq On : 15 Dec 2021 13:14
 Operator : SY/MD
 Sample : M4983-22DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:09:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 16 02:25:11 2021
 Response via : Initial Calibration

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

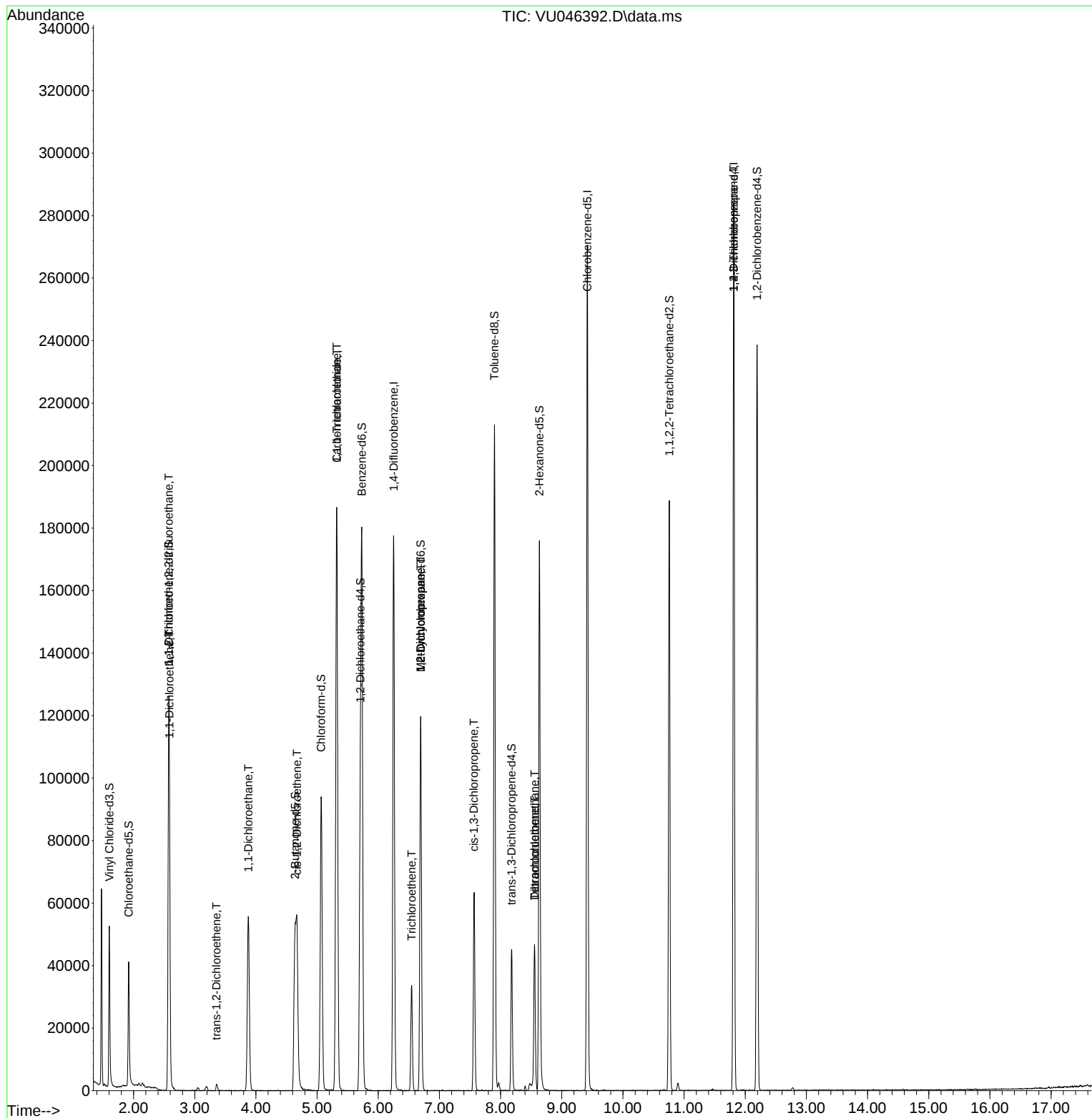
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	145472	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	149122	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	73535	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	40122	33.482	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.960%
7) Chloroethane-d5	1.919	69	32318	35.126	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.260%
11) 1,1-Dichloroethene-d2	2.575	63	66568	30.944	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.880%
21) 2-Butanone-d5	4.642	46	88322	92.716	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.720%
24) Chloroform-d	5.067	84	89865	44.907	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.820%
26) 1,2-Dichloroethane-d4	5.707	65	60718	45.211	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.420%
32) Benzene-d6	5.732	84	167379	39.161	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.320%
36) 1,2-Dichloropropane-d6	6.694	67	55823	42.143	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.280%
41) Toluene-d8	7.899	98	139967	35.967	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.940%#
43) trans-1,3-Dichloroprop...	8.179	79	26316	41.155	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.300%
47) 2-Hexanone-d5	8.636	63	64320	102.412	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.410%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	91747	45.672	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.340%
66) 1,2-Dichlorobenzene-d4	12.195	152	60065	42.414	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.820%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	494	0.467	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	20244	20.126	ug/L	86
17) trans-1,2-Dichloroethene	3.356	96	963	0.905	ug/L	89
19) 1,1-Dichloroethane	3.877	63	65203	33.689	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	19413	16.808	ug/L	100
30) 1,1,1-Trichloroethane	5.321	97	138802	75.828	ug/L	100
31) Carbon tetrachloride	5.321	117	17010	10.946	ug/L	98
34) Trichloroethene	6.546	95	11498	9.670	ug/L	99
35) Methylcyclohexane	6.694	83	13261	7.193	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6258	5.293	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1673	0.930	ug/L #	70
46) Tetrachloroethene	8.555	164	10064	11.518	ug/L	97
49) Dibromochloromethane	8.555	129	9724	7.807	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	8898	5.520	ug/L #	66

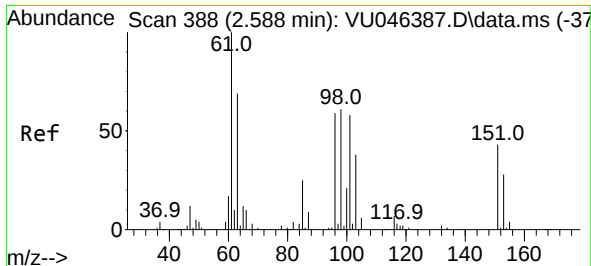
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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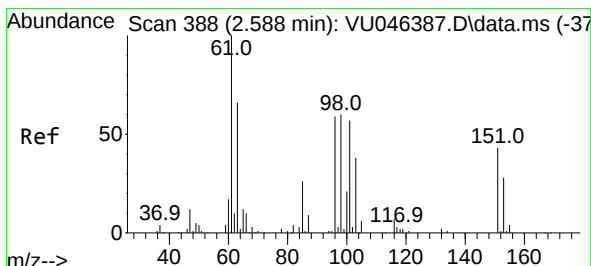
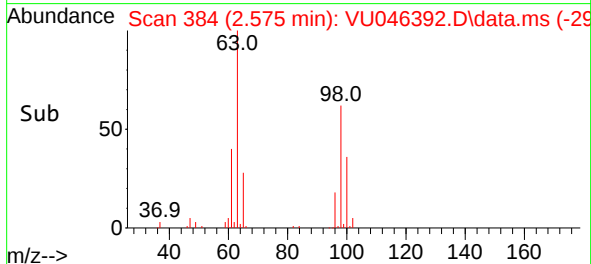
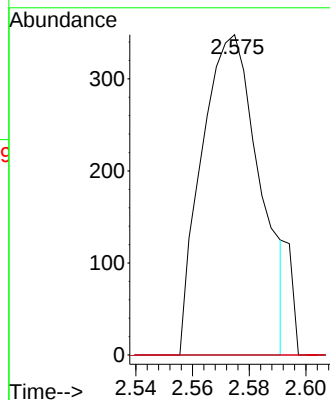
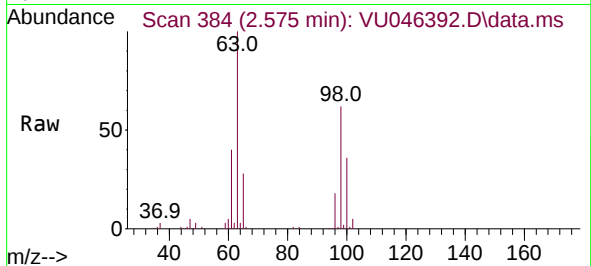




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.467 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046392.D
 Acq: 15 Dec 2021 13:14

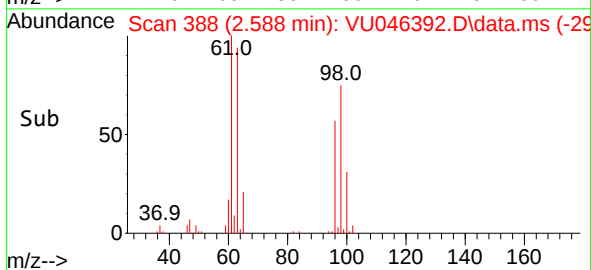
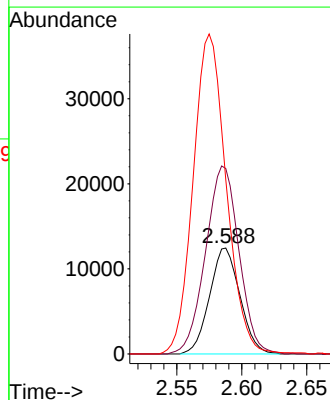
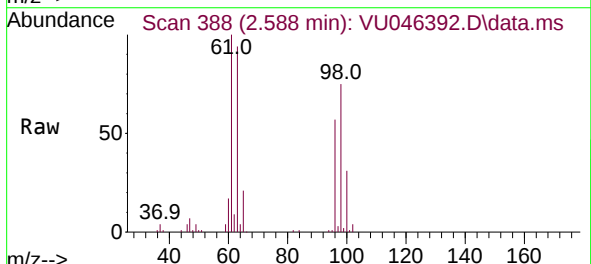
Instrument :
 MSVOA_U
 ClientSampleId :

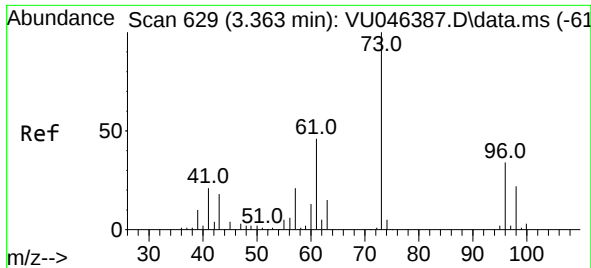
Tgt Ion:101 Resp: 494
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 20.126 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. -0.000 min
 Lab File: VU046392.D
 Acq: 15 Dec 2021 13:14

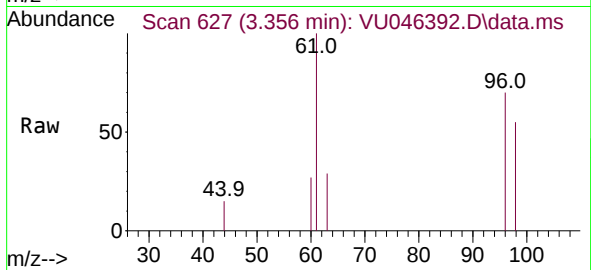
Tgt Ion: 96 Resp: 20244
 Ion Ratio Lower Upper
 96 100
 61 175.1 118.6 220.2
 63 164.3 93.0 172.8



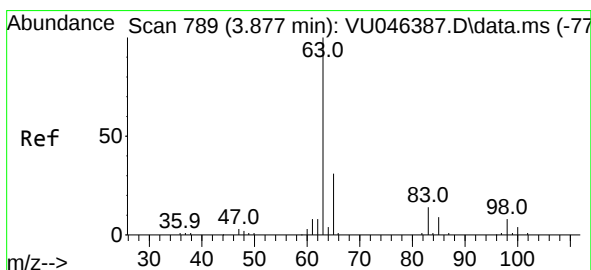
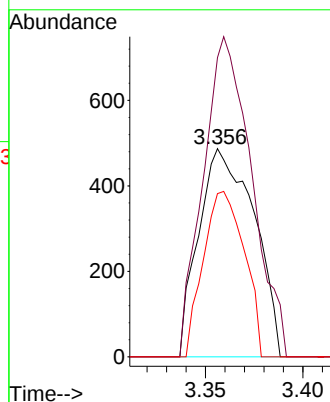
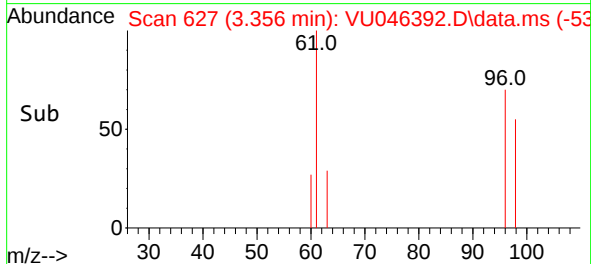


#17
trans-1,2-Dichloroethene
Concen: 0.905 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.006 min
Lab File: VU046392.D
Acq: 15 Dec 2021 13:14

Instrument :
MSVOA_U
ClientSampleId :

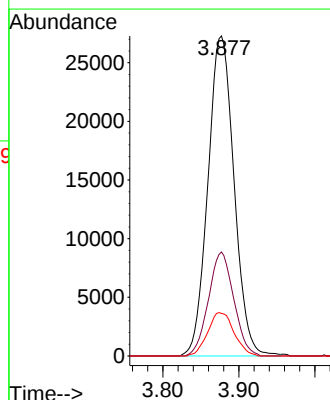
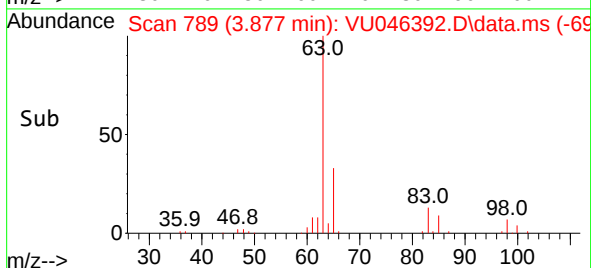
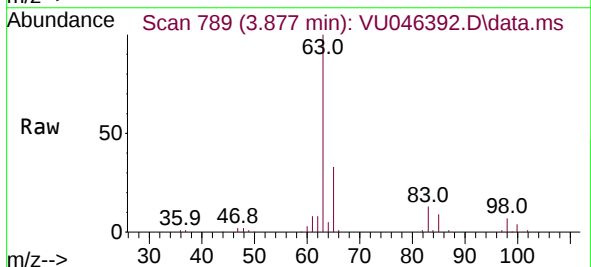


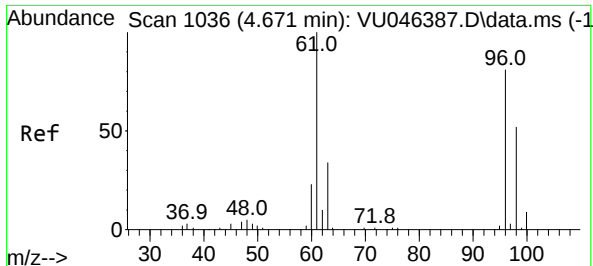
Tgt Ion:	96	Resp:	963
Ion	Ratio	Lower	Upper
96	100		
61	143.7	94.6	175.6
98	78.4	44.0	81.8



#19
1,1-Dichloroethane
Concen: 33.689 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU046392.D
Acq: 15 Dec 2021 13:14

Tgt Ion:	63	Resp:	65203
Ion	Ratio	Lower	Upper
63	100		
65	32.5	22.8	42.4
83	13.3	9.6	17.8





#20

cis-1,2-Dichloroethene

Concen: 16.808 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU046392.D

Acq: 15 Dec 2021 13:14

Instrument :

MSVOA_U

ClientSampleId :

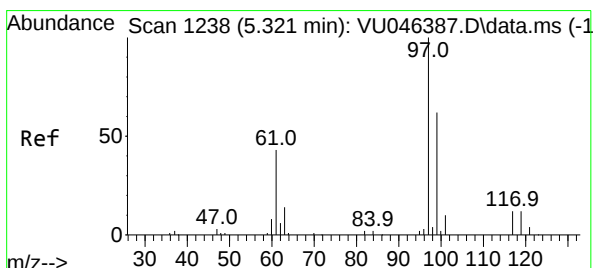
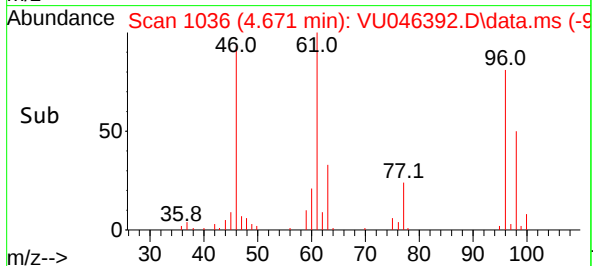
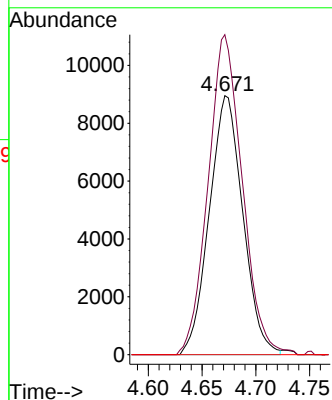
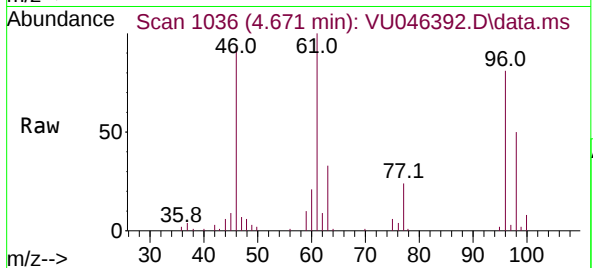
Tgt Ion: 96 Resp: 19413

Ion Ratio Lower Upper

96 100

61 123.5 86.8 161.2

68 0.0 0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 75.828 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046392.D

Acq: 15 Dec 2021 13:14

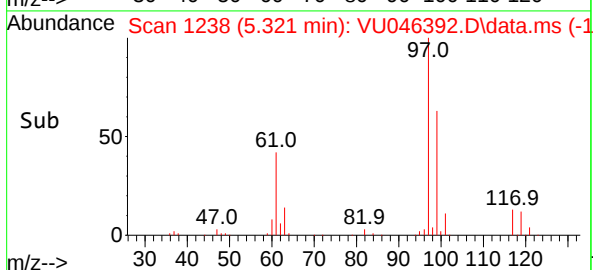
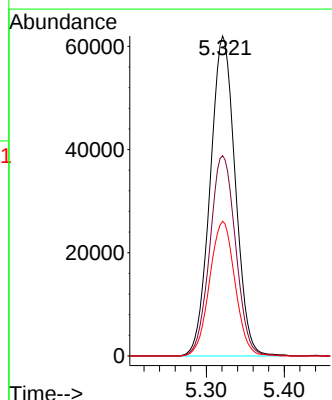
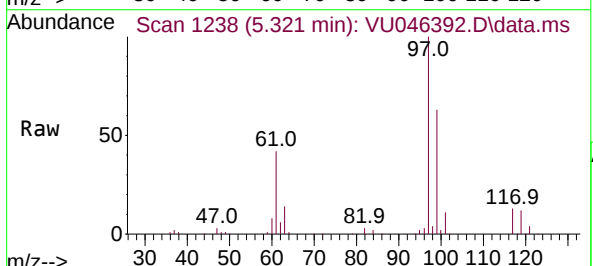
Tgt Ion: 97 Resp: 138802

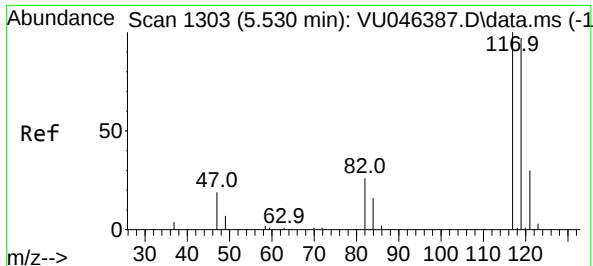
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.6

61 42.6 34.4 51.6

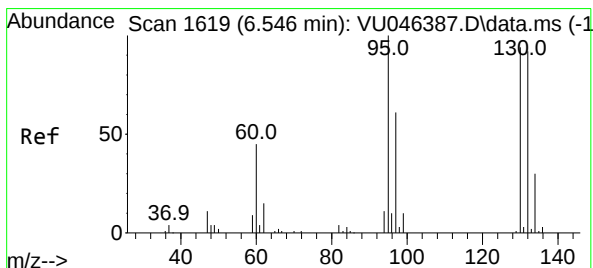
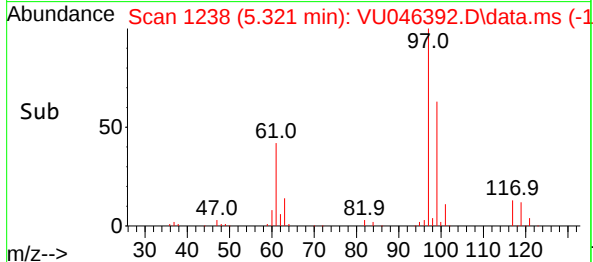
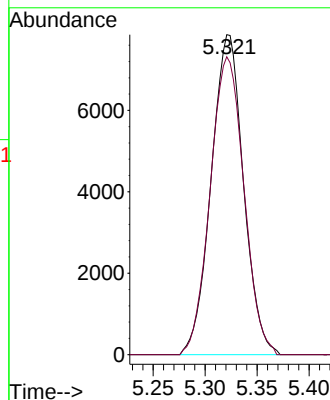
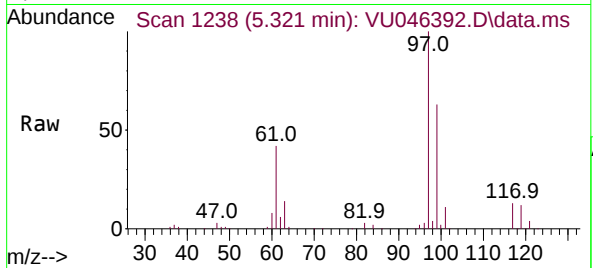




#31
Carbon tetrachloride
Concen: 10.946 ug/L
RT: 5.321 min Scan# 11
Delta R.T. -0.209 min
Lab File: VU046392.D
Acq: 15 Dec 2021 13:14

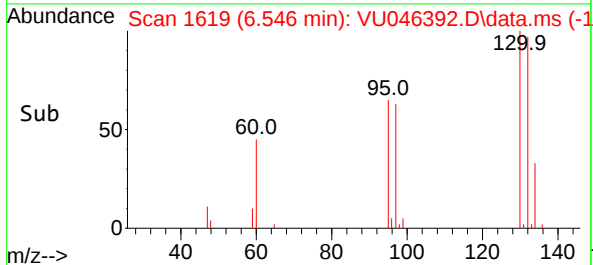
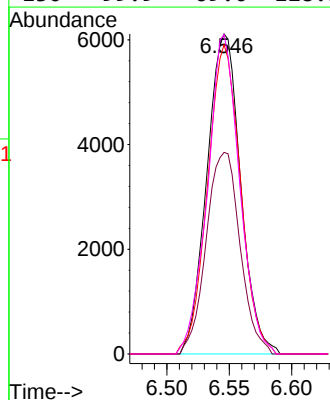
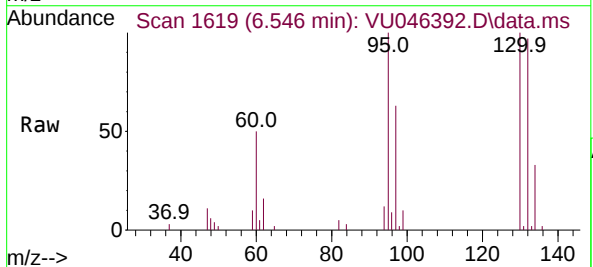
Instrument :
MSVOA_U
ClientSampleId :

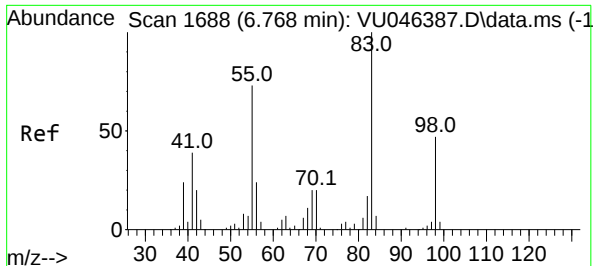
Tgt Ion:117 Resp: 17010
Ion Ratio Lower Upper
117 100
119 97.0 75.7 113.5



#34
Trichloroethene
Concen: 9.670 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046392.D
Acq: 15 Dec 2021 13:14

Tgt Ion: 95 Resp: 11498
Ion Ratio Lower Upper
95 100
97 63.0 44.1 81.9
132 96.6 66.8 124.0
130 99.9 69.0 128.1





#35

Methylcyclohexane

Concen: 7.193 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046392.D

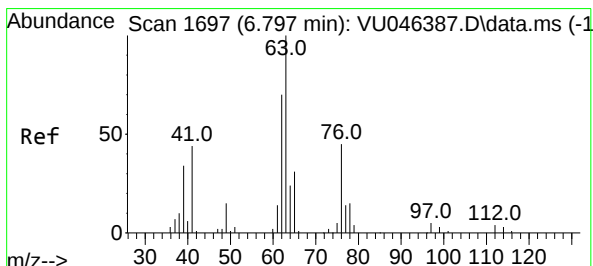
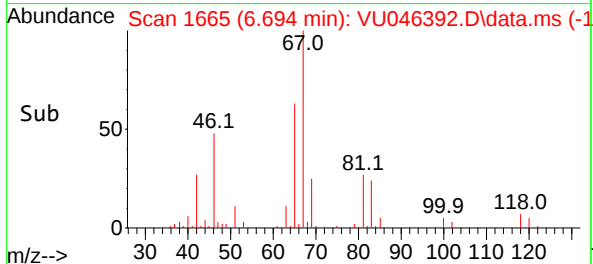
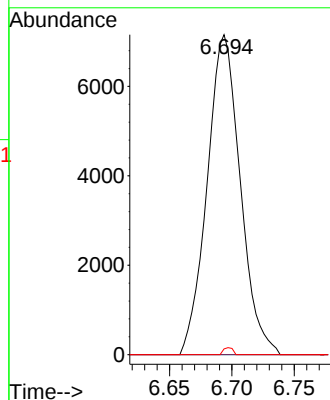
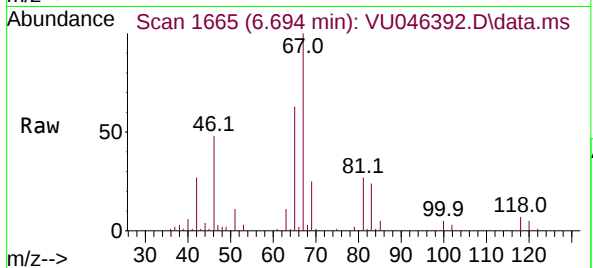
Acq: 15 Dec 2021 13:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 13261
Ion Ratio	Lower Upper
83	100
55	0.0 57.8 86.6#
98	0.6 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.293 ug/L

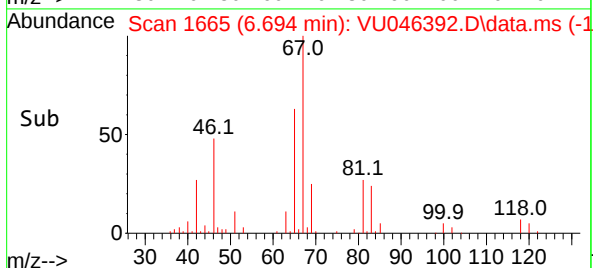
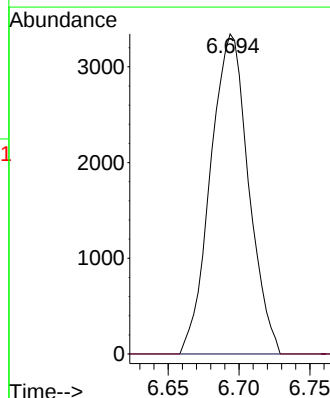
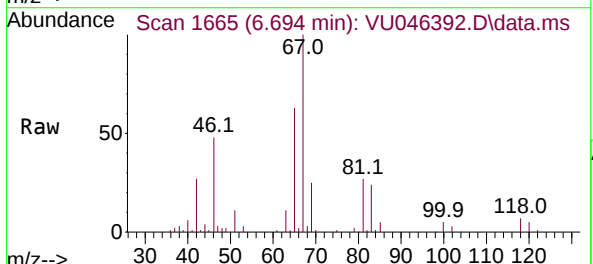
RT: 6.694 min Scan# 1665

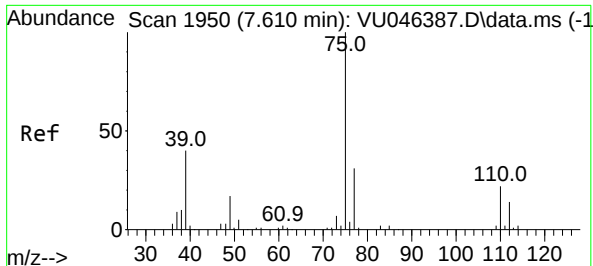
Delta R.T. -0.103 min

Lab File: VU046392.D

Acq: 15 Dec 2021 13:14

Tgt Ion: 63	Resp: 6258
Ion Ratio	Lower Upper
63	100
112	0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.930 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046392.D

Acq: 15 Dec 2021 13:14

Instrument :

MSVOA_U

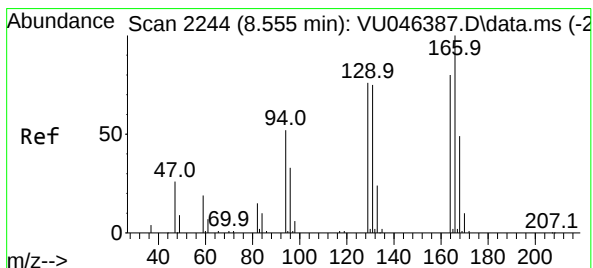
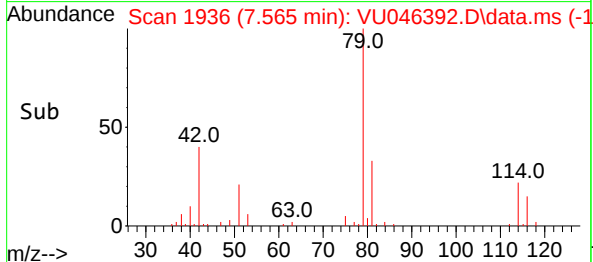
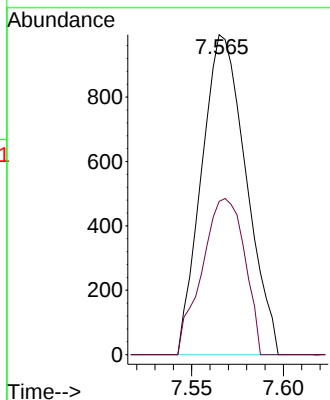
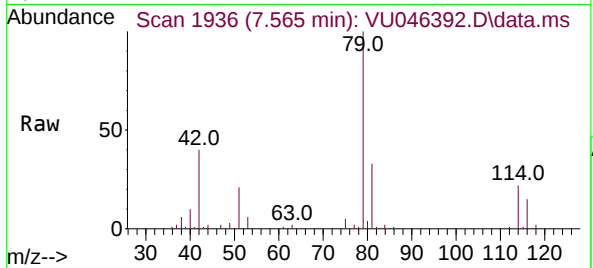
ClientSampleId :

Tgt Ion: 75 Resp: 1673

Ion Ratio Lower Upper

75 100

77 47.9 21.8 40.6#



#46

Tetrachloroethene

Concen: 11.518 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046392.D

Acq: 15 Dec 2021 13:14

Tgt Ion: 164 Resp: 10064

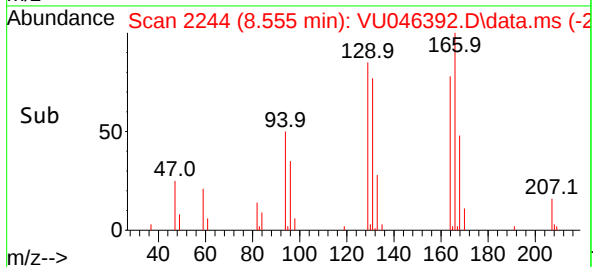
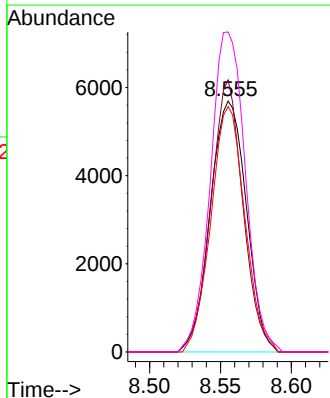
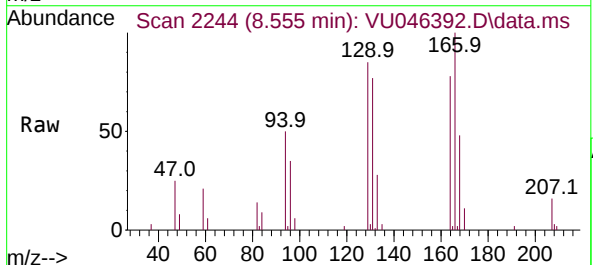
Ion Ratio Lower Upper

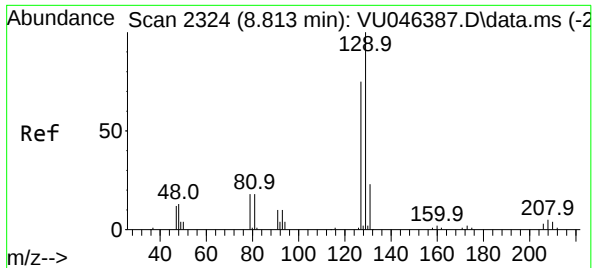
164 100

129 108.4 71.1 132.1

131 97.8 67.8 126.0

166 127.6 90.6 168.2

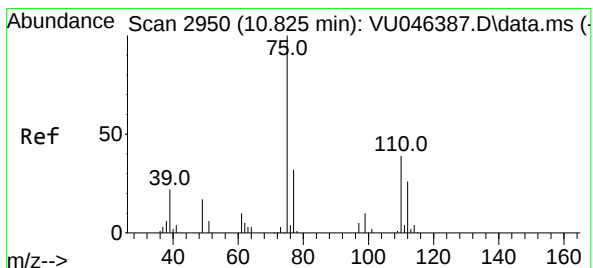
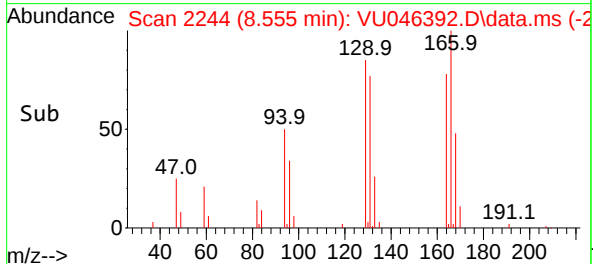
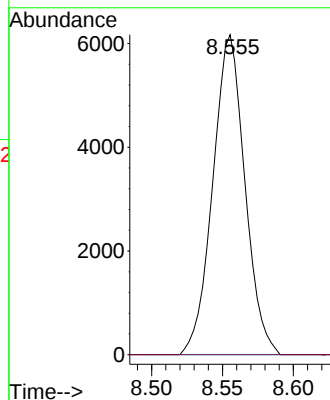
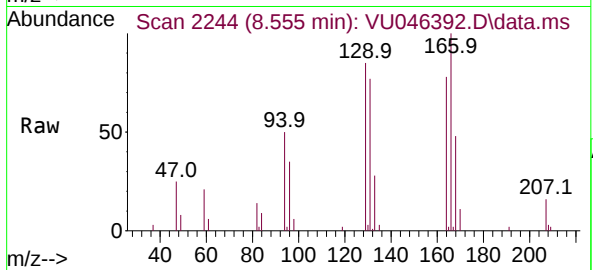




#49
 Dibromochloromethane
 Concen: 7.807 ug/L
 RT: 8.555 min Scan# 21
 Delta R.T. -0.257 min
 Lab File: VU046392.D
 Acq: 15 Dec 2021 13:14

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:129 Resp: 9724
 Ion Ratio Lower Upper
 129 100
 127 0.0 55.6 103.4#



#60
 1,2,3-Trichloropropane
 Concen: 5.520 ug/L
 RT: 11.812 min Scan# 3257
 Delta R.T. 0.987 min
 Lab File: VU046392.D
 Acq: 15 Dec 2021 13:14

Tgt Ion: 75 Resp: 8898
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.4 39.6
 110 2.2 32.4 48.6#

