

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046336.D
 Acq On : 13 Dec 2021 23:05
 Operator : SY/MD
 Sample : M4983-22 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 36 Sample Multiplier: 1

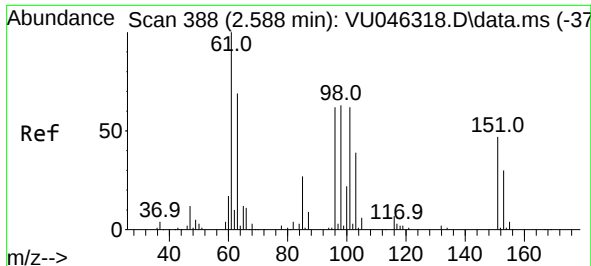
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 14 03:55:45 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	146351	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	157167	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	77525	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	51456	42.682	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.360%
7) Chloroethane-d5	1.919	69	37018	39.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.980%
11) 1,1-Dichloroethene-d2	2.572	63	69633	32.175	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.340%
21) 2-Butanone-d5	4.642	46	80045	83.522	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	83.520%
24) Chloroform-d	5.067	84	91366	45.383	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.760%
26) 1,2-Dichloroethane-d4	5.703	65	61493	45.513	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.020%
32) Benzene-d6	5.732	84	177418	39.385	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.780%
36) 1,2-Dichloropropane-d6	6.694	67	56526	40.489	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.980%
41) Toluene-d8	7.899	98	151523	36.943	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.880%#
43) trans-1,3-Dichloroprop...	8.179	79	26163	38.821	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.640%
47) 2-Hexanone-d5	8.636	63	52288	78.993	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.990%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	88841	41.961	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.920%
66) 1,2-Dichlorobenzene-d4	12.195	152	61729	41.346	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.700%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	560	0.526	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	6848	6.767	ug/L #	1
16) Methylene chloride	3.054	84	2101	1.745	ug/L	89
19) 1,1-Dichloroethane	3.877	63	17584	9.031	ug/L	100
20) cis-1,2-Dichloroethene	4.674	96	5189	4.466	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	41389	21.454	ug/L	97
31) Carbon tetrachloride	5.324	117	5306	3.240	ug/L	100
34) Trichloroethene	6.546	95	3866	3.085	ug/L	97
37) 1,2-Dichloropropane	6.694	63	6107	4.901	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1424	0.751	ug/L #	59
46) Tetrachloroethene	8.555	164	3856	4.187	ug/L	97
49) Dibromochloromethane	8.555	129	3792	2.888	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	9282	5.462	ug/L #	65

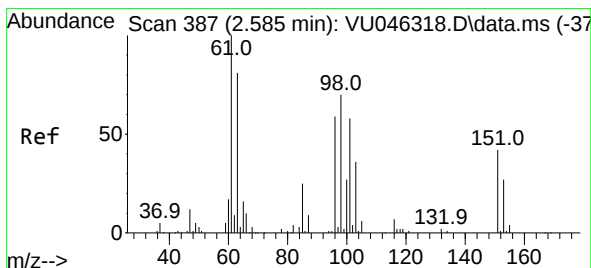
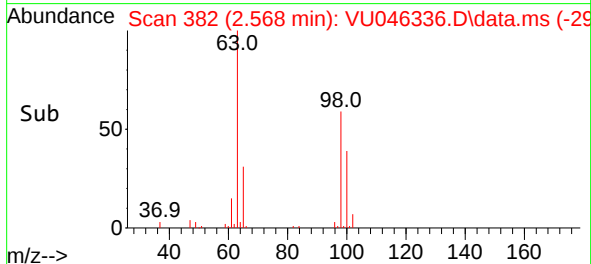
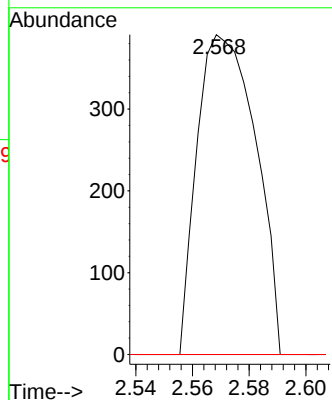
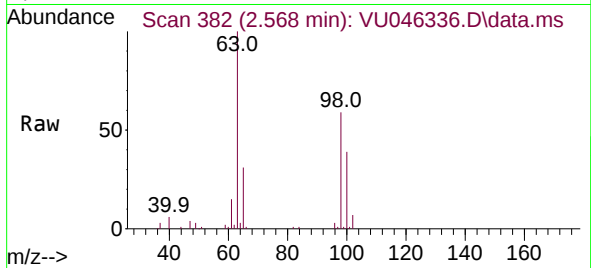
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.526 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU046336.D
 Acq: 13 Dec 2021 23:05

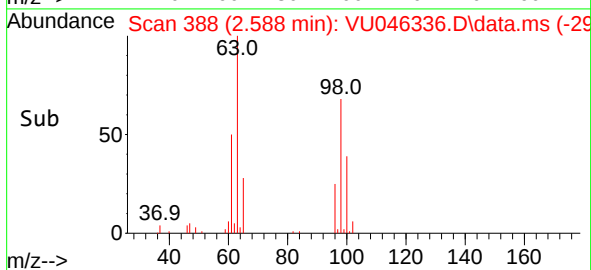
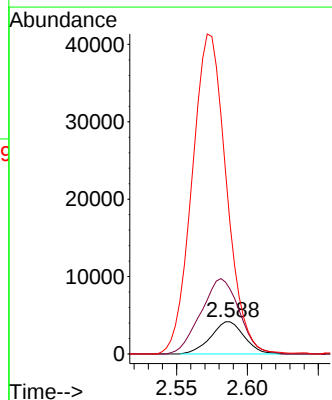
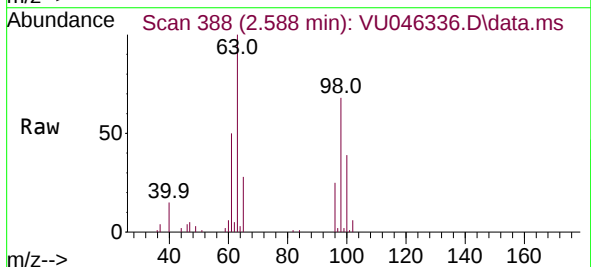
Instrument :
 MSVOA_U
 ClientSampleId :

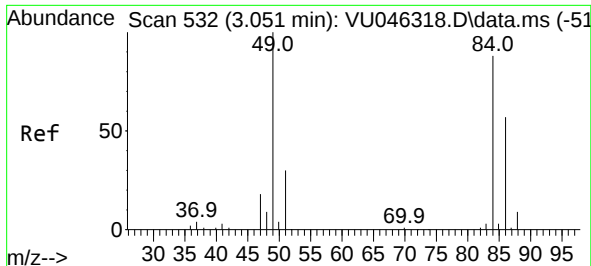
Tgt Ion:101 Resp: 560
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 6.767 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.003 min
 Lab File: VU046336.D
 Acq: 13 Dec 2021 23:05

Tgt Ion: 96 Resp: 6848
 Ion Ratio Lower Upper
 96 100
 61 201.9 118.6 220.2
 63 407.3 93.0 172.8#

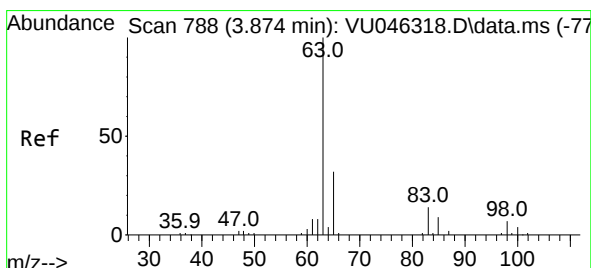
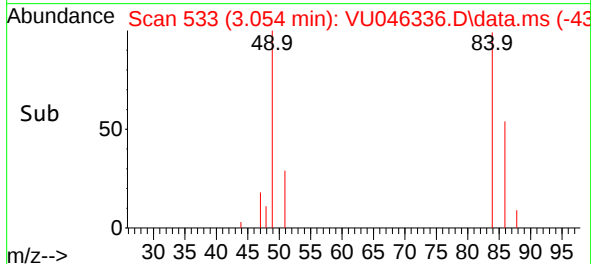
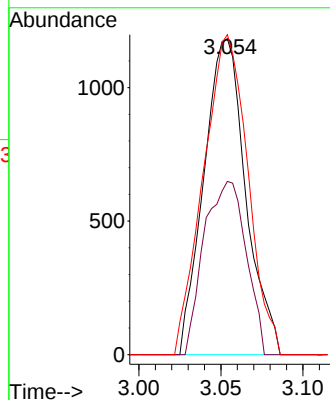
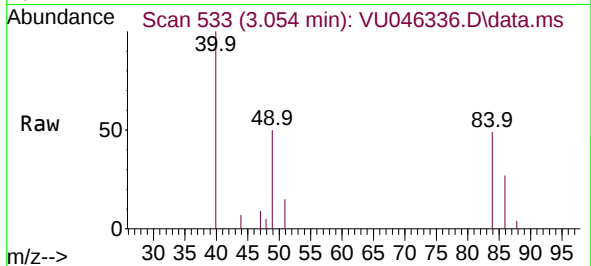




#16
Methylene chloride
Concen: 1.745 ug/L
RT: 3.054 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU046336.D
Acq: 13 Dec 2021 23:05

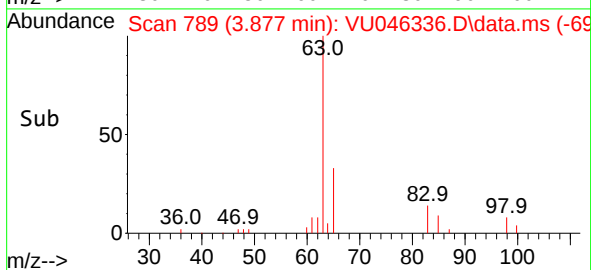
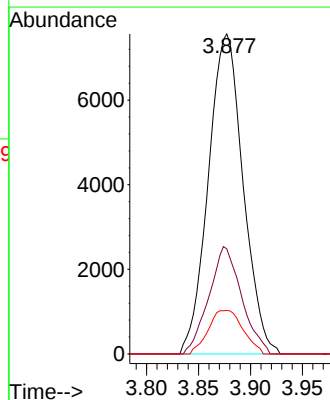
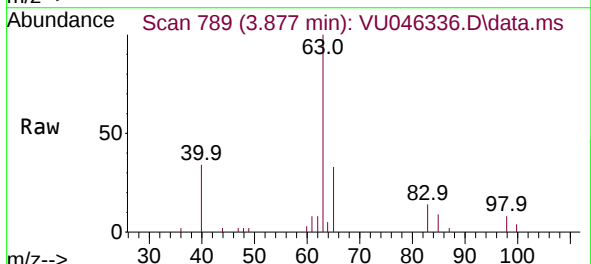
Instrument :
MSVOA_U
ClientSampleId :

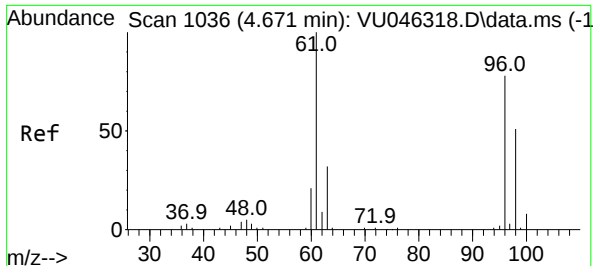
Tgt Ion: 84 Resp: 2101
Ion Ratio Lower Upper
84 100
86 54.9 44.7 83.1
49 101.3 78.4 145.6



#19
1,1-Dichloroethane
Concen: 9.031 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.003 min
Lab File: VU046336.D
Acq: 13 Dec 2021 23:05

Tgt Ion: 63 Resp: 17584
Ion Ratio Lower Upper
63 100
65 32.8 22.8 42.4
83 13.6 9.6 17.8





#20

cis-1,2-Dichloroethene

Concen: 4.466 ug/L

RT: 4.674 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VU046336.D

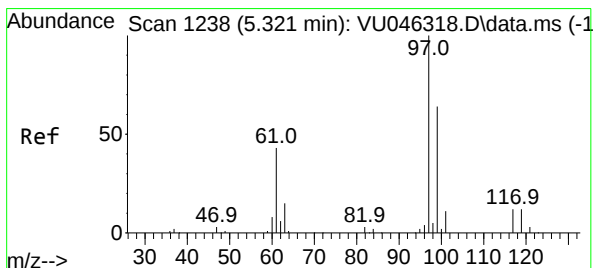
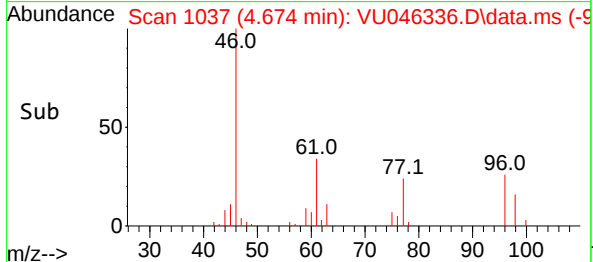
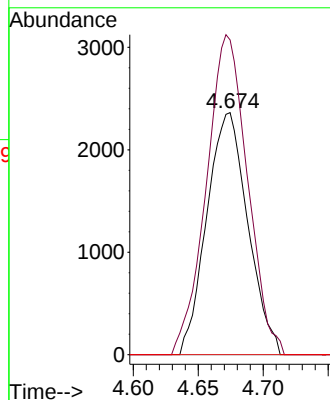
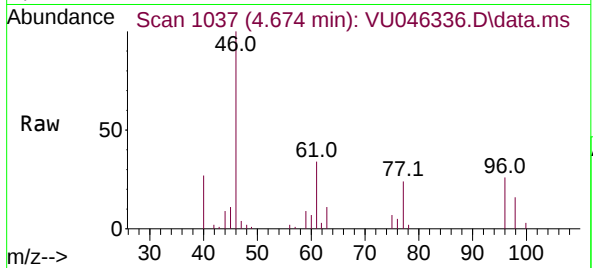
Acq: 13 Dec 2021 23:05

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96	Resp: 5189
Ion Ratio	Lower Upper
96 100	
61 129.9	86.8 161.2
68 0.0	0.0 0.0



#30

1,1,1-Trichloroethane

Concen: 21.454 ug/L

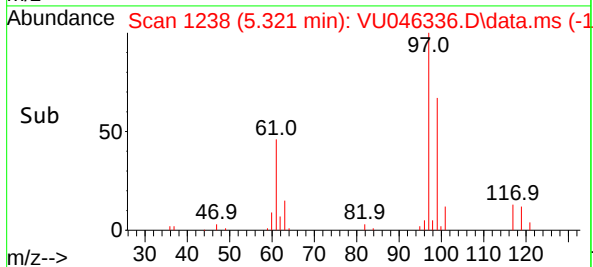
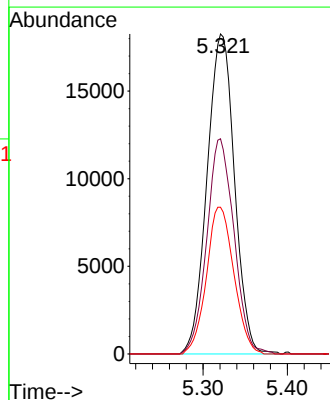
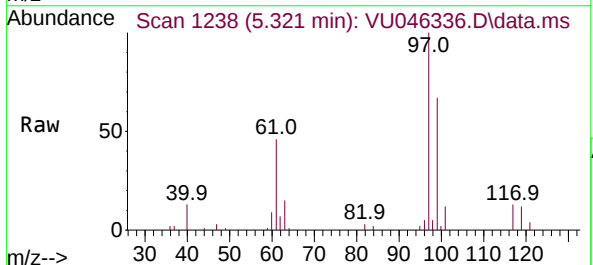
RT: 5.321 min Scan# 1238

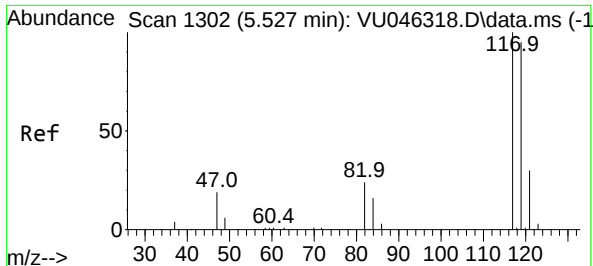
Delta R.T. -0.000 min

Lab File: VU046336.D

Acq: 13 Dec 2021 23:05

Tgt Ion: 97	Resp: 41389
Ion Ratio	Lower Upper
97 100	
99 66.7	51.8 77.6
61 45.8	34.4 51.6

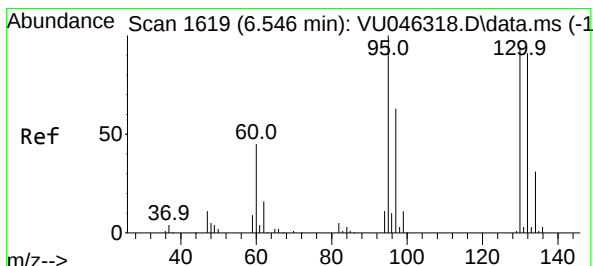
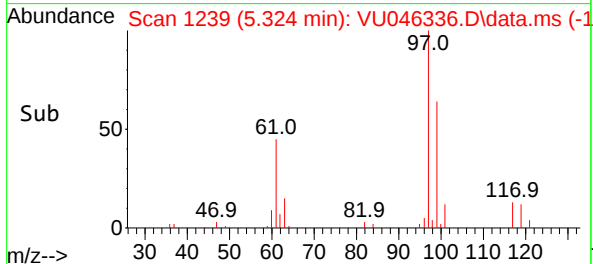
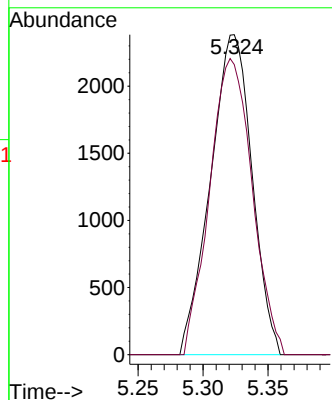
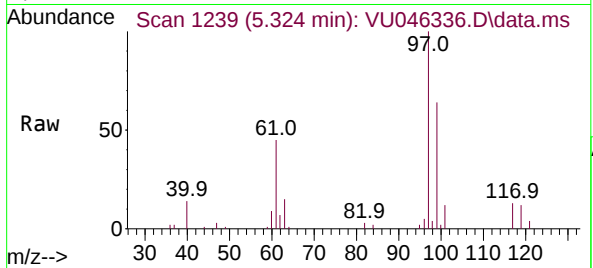




#31
Carbon tetrachloride
Concen: 3.240 ug/L
RT: 5.324 min Scan# 117
Delta R.T. -0.203 min
Lab File: VU046336.D
Acq: 13 Dec 2021 23:05

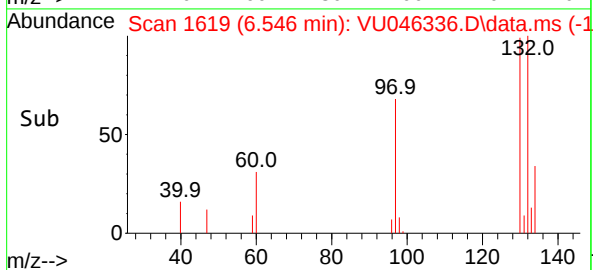
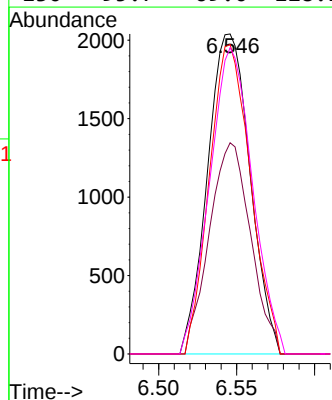
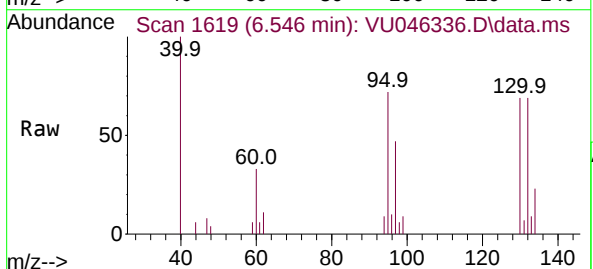
Instrument :
MSVOA_U
ClientSampleId :

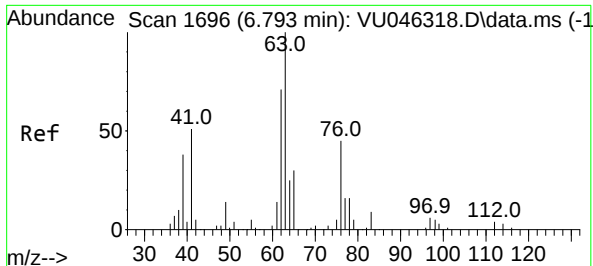
Tgt Ion:117 Resp: 5306
Ion Ratio Lower Upper
117 100
119 94.7 75.7 113.5



#34
Trichloroethene
Concen: 3.085 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046336.D
Acq: 13 Dec 2021 23:05

Tgt Ion: 95 Resp: 3866
Ion Ratio Lower Upper
95 100
97 66.0 44.1 81.9
132 96.7 66.8 124.0
130 95.7 69.0 128.1





#37

1,2-Dichloropropane

Concen: 4.901 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046336.D

Acq: 13 Dec 2021 23:05

Instrument :

MSVOA_U

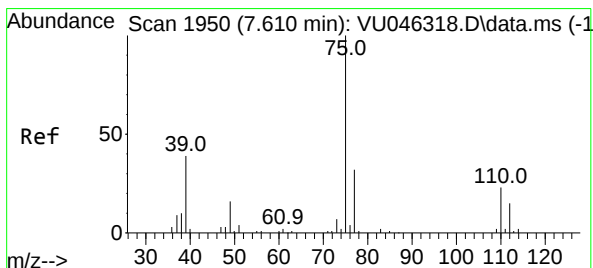
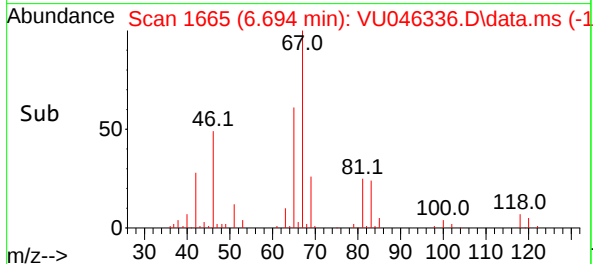
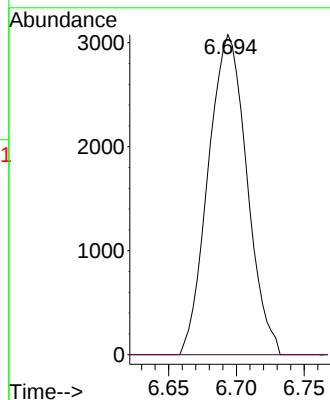
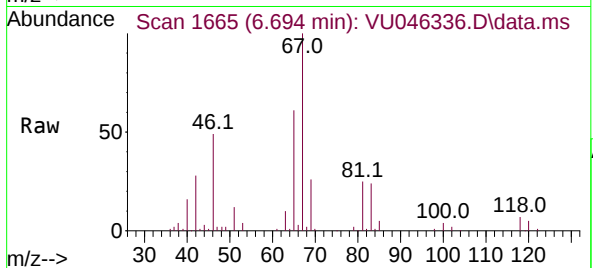
ClientSampleId :

Tgt Ion: 63 Resp: 6107

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.751 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046336.D

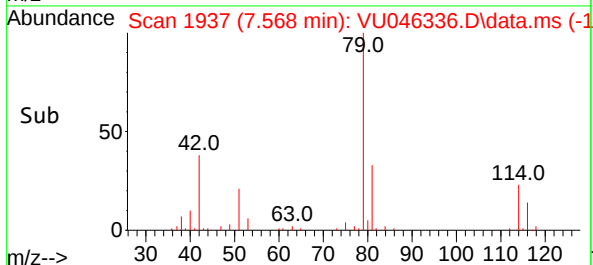
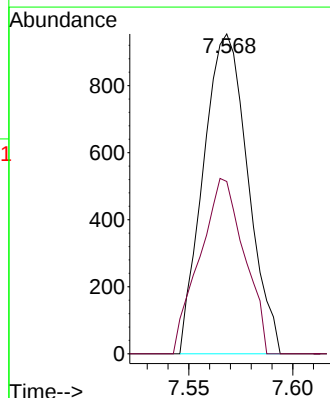
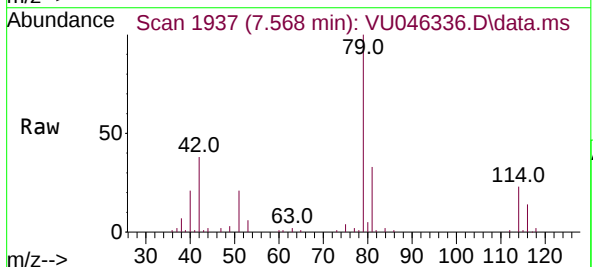
Acq: 13 Dec 2021 23:05

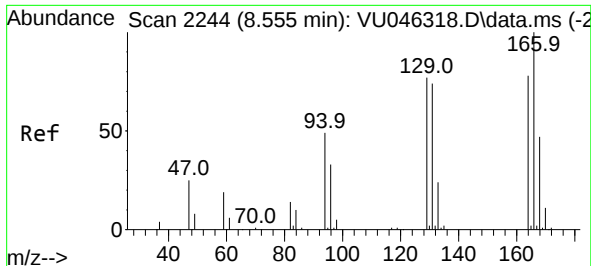
Tgt Ion: 75 Resp: 1424

Ion Ratio Lower Upper

75 100

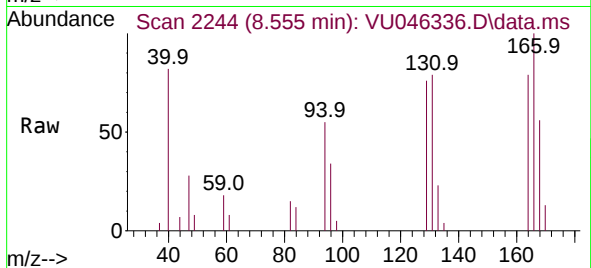
77 53.9 21.8 40.6#



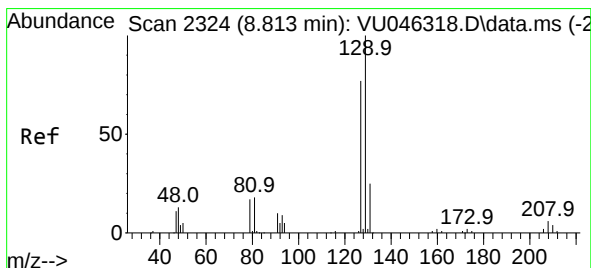
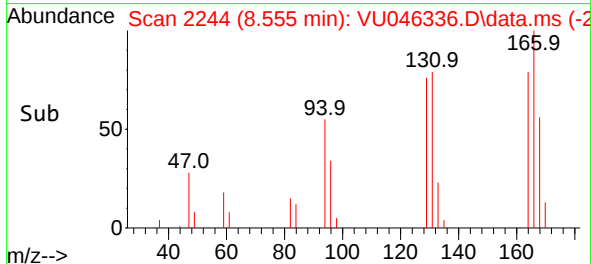
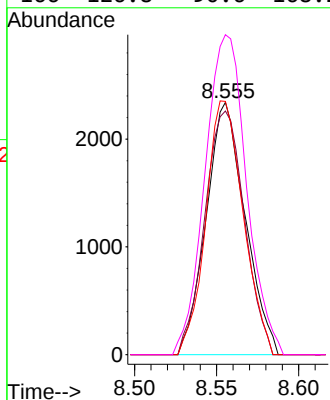


#46
Tetrachloroethene
Concen: 4.187 ug/L
RT: 8.555 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU046336.D
Acq: 13 Dec 2021 23:05

Instrument :
MSVOA_U
ClientSampleId :

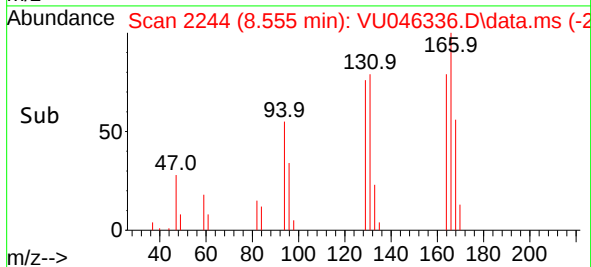
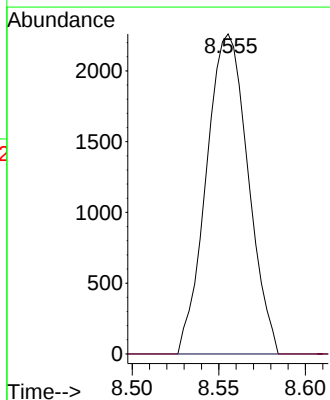
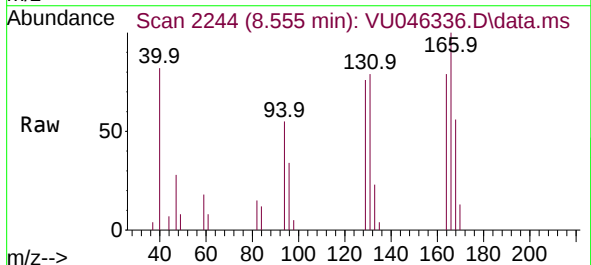


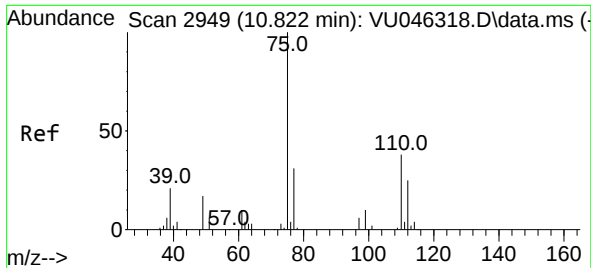
Tgt Ion:	164	Resp:	3856
Ion	Ratio	Lower	Upper
164	100		
129	96.6	71.1	132.1
131	100.4	67.8	126.0
166	126.8	90.6	168.2



#49
Dibromochloromethane
Concen: 2.888 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046336.D
Acq: 13 Dec 2021 23:05

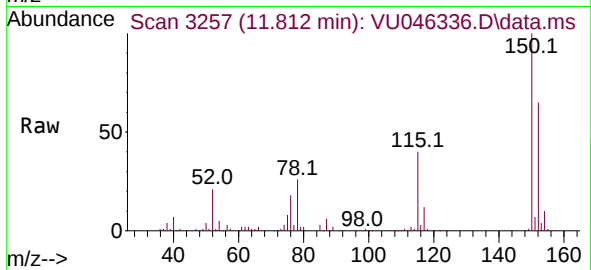
Tgt Ion:	129	Resp:	3792
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.462 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU046336.D
 Acq: 13 Dec 2021 23:05

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 9282
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.4 39.6
 110 1.7 32.4 48.6#

