

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046339.D
 Acq On : 14 Dec 2021 00:12
 Operator : SY/MD
 Sample : M5062-05 20X
 Misc : 6.74g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 14 03:56:23 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)

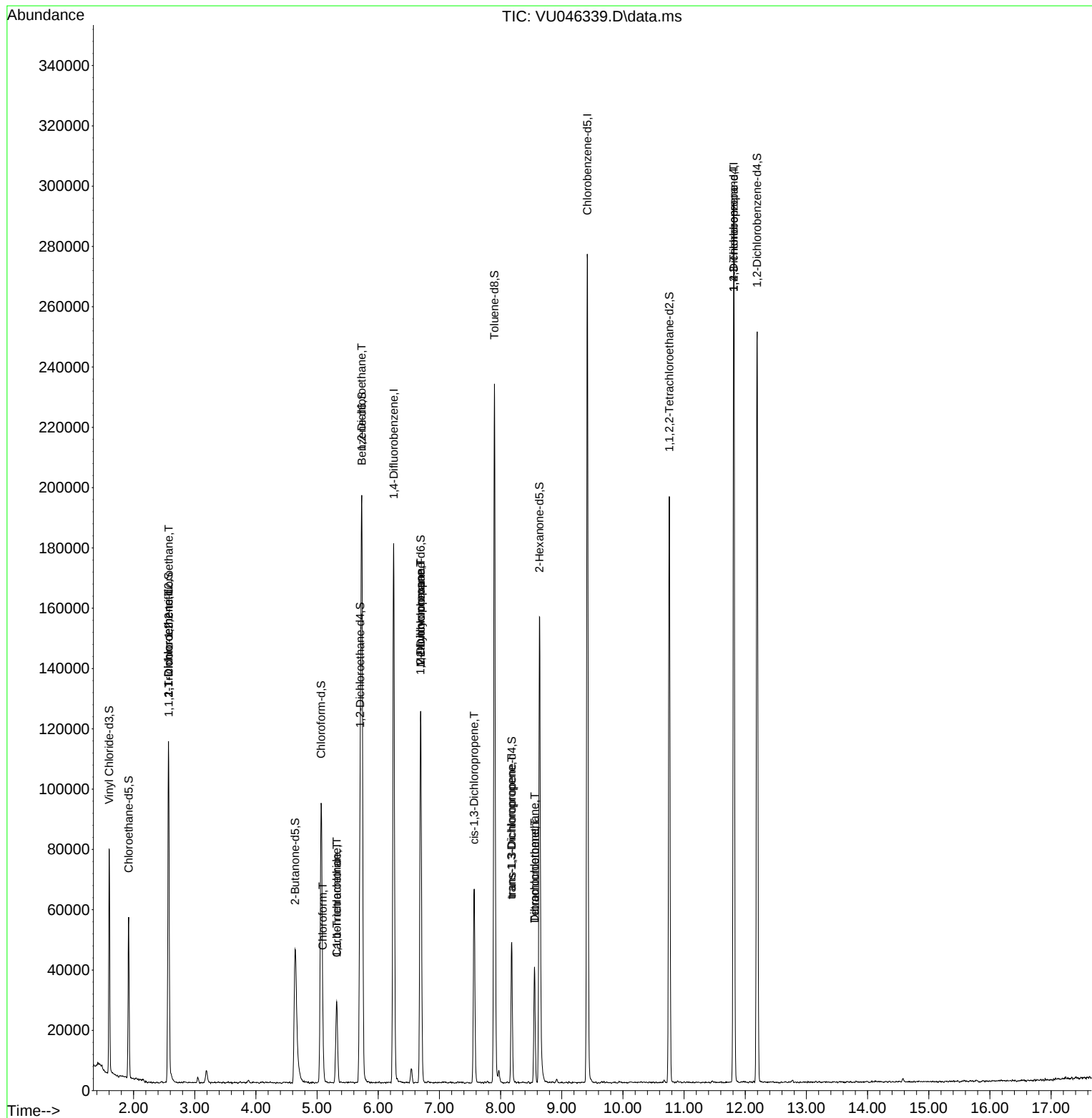
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	142550	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	152093	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	75257	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	52261	44.506	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.020%
7) Chloroethane-d5	1.919	69	38709	42.935	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.860%
11) 1,1-Dichloroethene-d2	2.572	63	67590	32.064	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	64.120%
21) 2-Butanone-d5	4.642	46	82859	88.764	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.760%
24) Chloroform-d	5.067	84	87263	44.501	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	5.703	65	62688	47.635	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.260%
32) Benzene-d6	5.732	84	181621	41.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.320%
36) 1,2-Dichloropropane-d6	6.694	67	57981	42.917	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.840%
41) Toluene-d8	7.899	98	153842	38.760	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.520%#
43) trans-1,3-Dichloroprop...	8.182	79	27282	41.832	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.660%
47) 2-Hexanone-d5	8.636	63	57269	89.404	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.400%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	95109	46.421	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.840%
66) 1,2-Dichlorobenzene-d4	12.195	152	64453	44.471	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.940%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	470	0.453	ug/L #	21
12) 1,1-Dichloroethene	2.572	96	480	0.487	ug/L #	1
25) Chloroform	5.092	83	8234	3.908	ug/L	98
27) 1,2-Dichloroethane	5.729	62	970	0.620	ug/L #	73
30) 1,1,1-Trichloroethane	5.321	97	19789	10.600	ug/L	99
31) Carbon tetrachloride	5.321	117	2468	1.557	ug/L	97
35) Methylcyclohexane	6.694	83	14340	7.626	ug/L #	20
37) 1,2-Dichloropropane	6.690	63	6521	5.408	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1668	0.909	ug/L #	79
44) trans-1,3-Dichloropropene	8.179	75	1159	0.643	ug/L	87
46) Tetrachloroethene	8.555	164	8273	9.283	ug/L	96
49) Dibromochloromethane	8.555	129	7961	6.266	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	9087	5.508	ug/L #	64

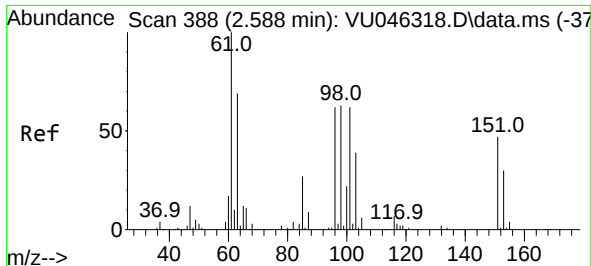
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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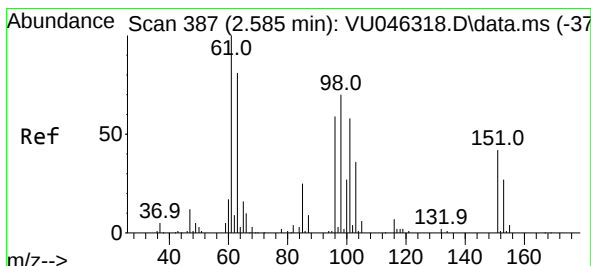
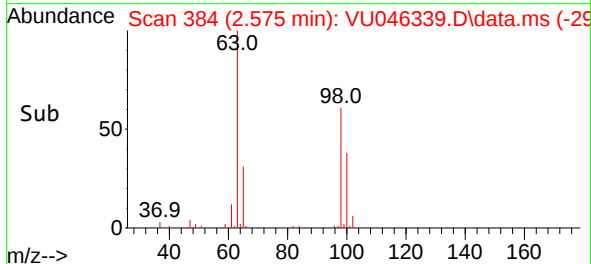
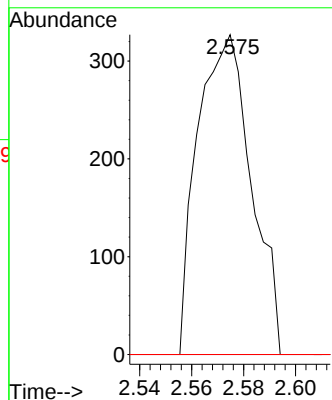
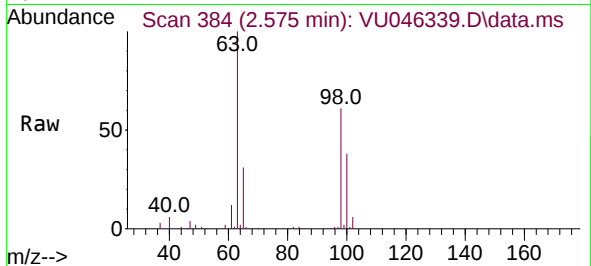




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.453 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU046339.D
 Acq: 14 Dec 2021 00:12

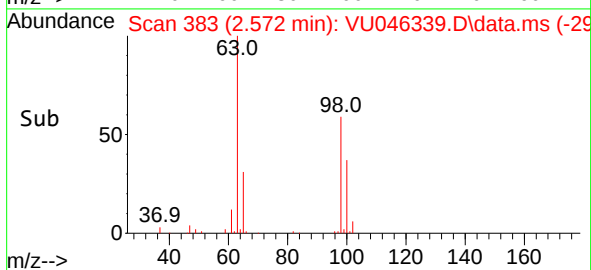
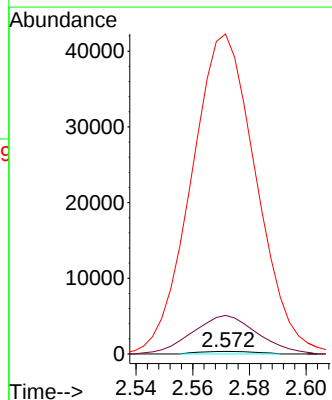
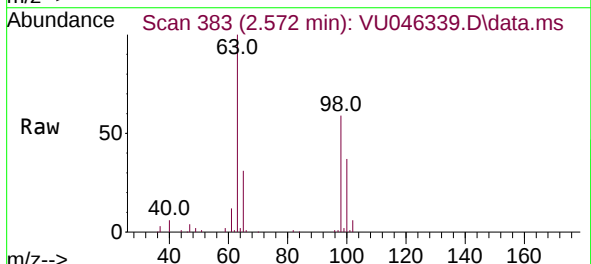
Instrument :
 MSVOA_U
 ClientSampleId :

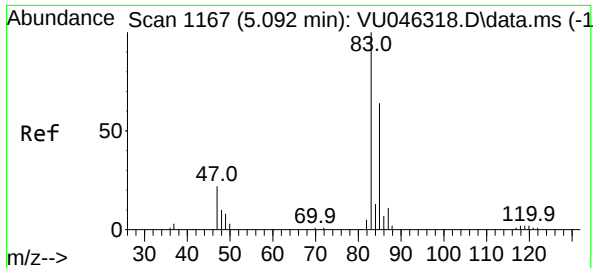
Tgt Ion:101 Resp: 470
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.487 ug/L
 RT: 2.572 min Scan# 383
 Delta R.T. -0.013 min
 Lab File: VU046339.D
 Acq: 14 Dec 2021 00:12

Tgt Ion: 96 Resp: 480
 Ion Ratio Lower Upper
 96 100
 61 1542.4 118.6 220.2#
 63 12812.1 93.0 172.8#

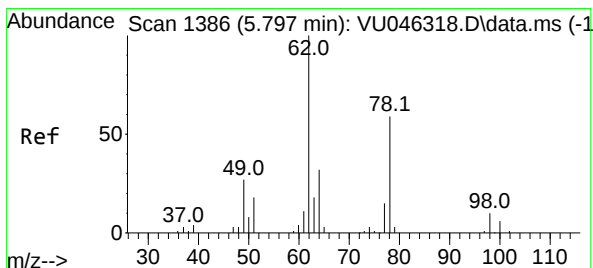
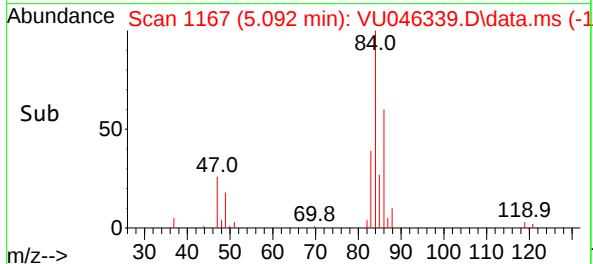
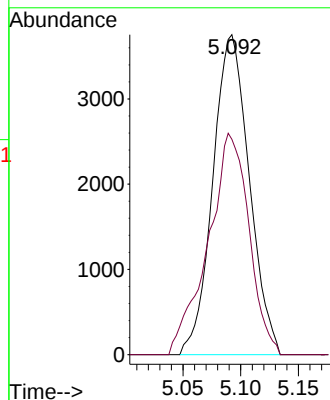
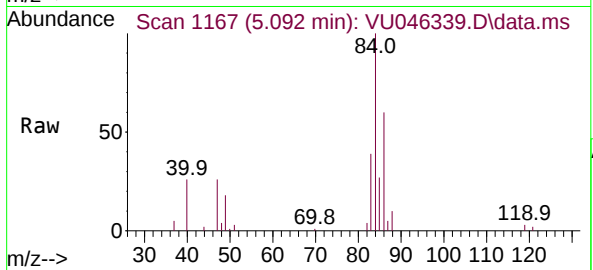




#25
Chloroform
Concen: 3.908 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU046339.D
Acq: 14 Dec 2021 00:12

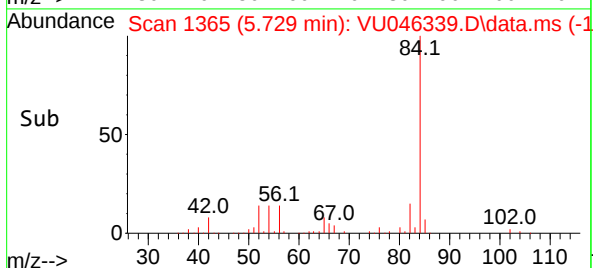
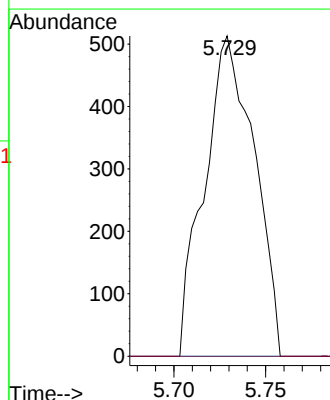
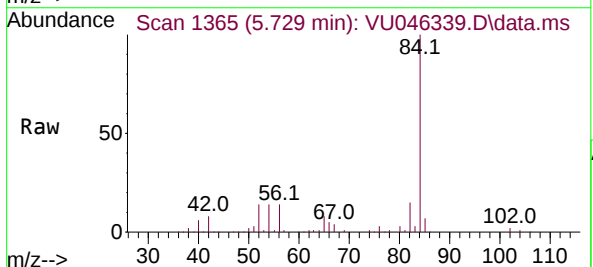
Instrument :
MSVOA_U
ClientSampleId :

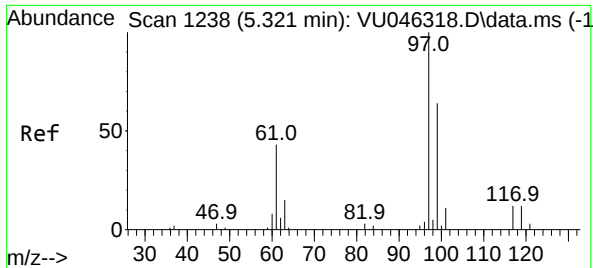
Tgt Ion: 83 Resp: 8234
Ion Ratio Lower Upper
83 100
85 67.3 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.620 ug/L
RT: 5.729 min Scan# 1365
Delta R.T. -0.068 min
Lab File: VU046339.D
Acq: 14 Dec 2021 00:12

Tgt Ion: 62 Resp: 970
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#





#30

1,1,1-Trichloroethane

Concen: 10.600 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046339.D

Acq: 14 Dec 2021 00:12

Instrument :

MSVOA_U

ClientSampleId :

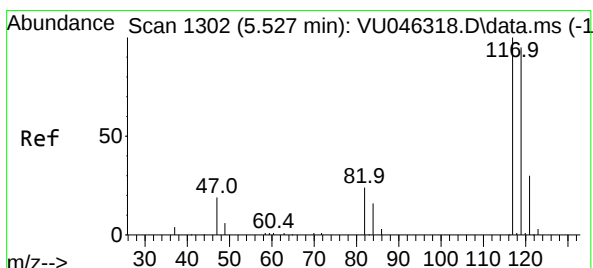
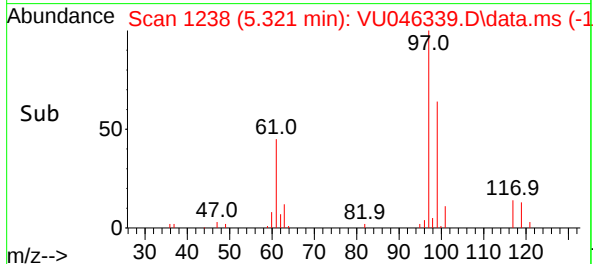
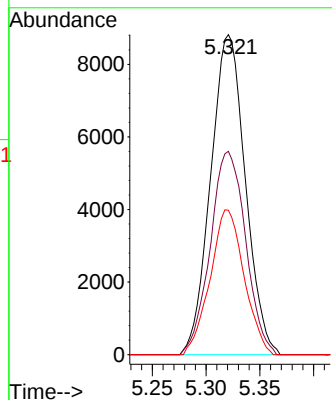
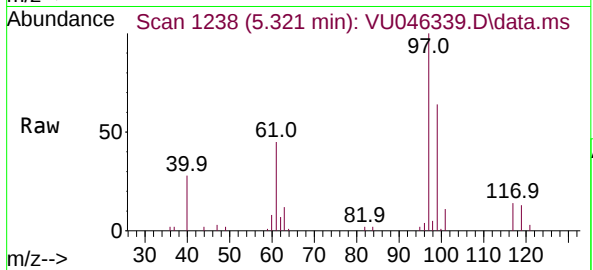
Tgt Ion: 97 Resp: 19789

Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.6

61 44.3 34.4 51.6



#31

Carbon tetrachloride

Concen: 1.557 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.206 min

Lab File: VU046339.D

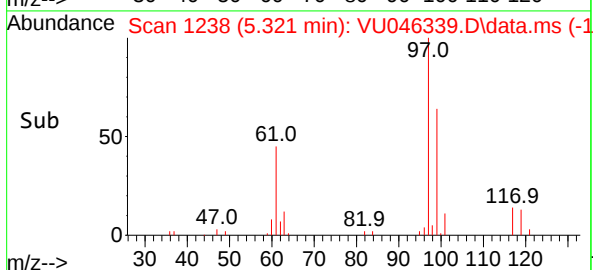
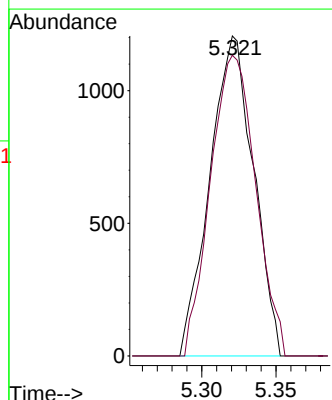
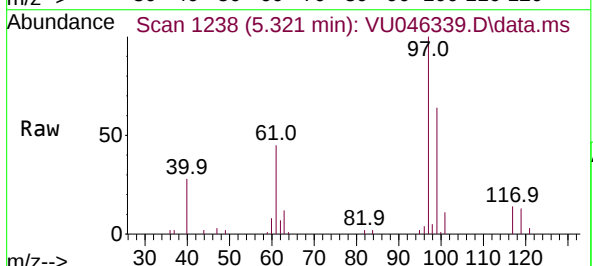
Acq: 14 Dec 2021 00:12

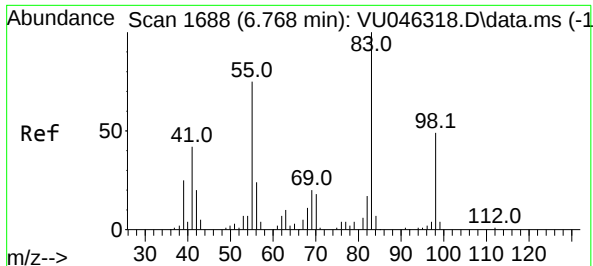
Tgt Ion: 117 Resp: 2468

Ion Ratio Lower Upper

117 100

119 97.0 75.7 113.5





#35

Methylcyclohexane

Concen: 7.626 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU046339.D

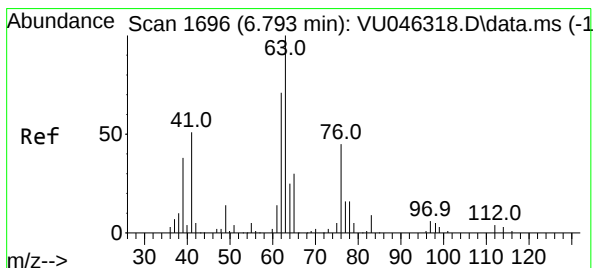
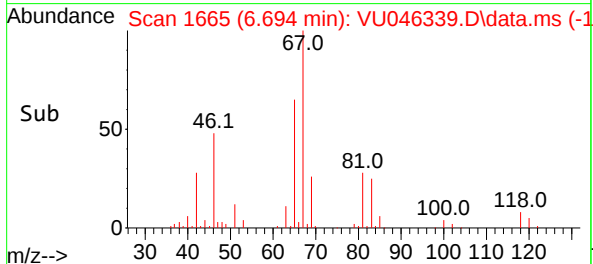
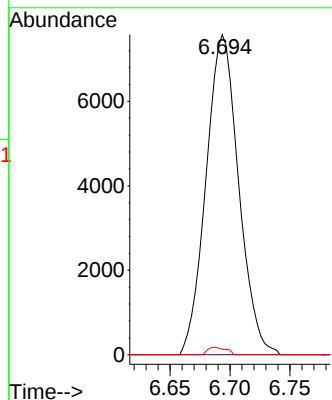
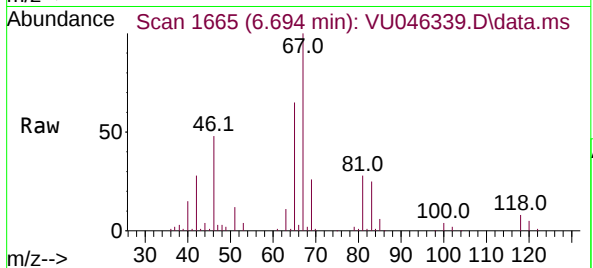
Acq: 14 Dec 2021 00:12

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 14340
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: 5.408 ug/L

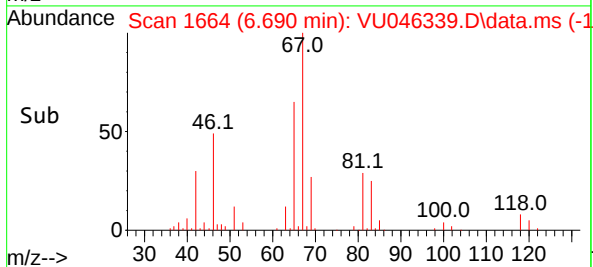
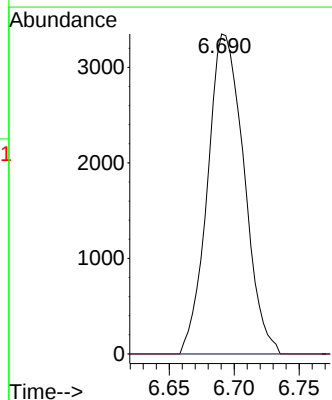
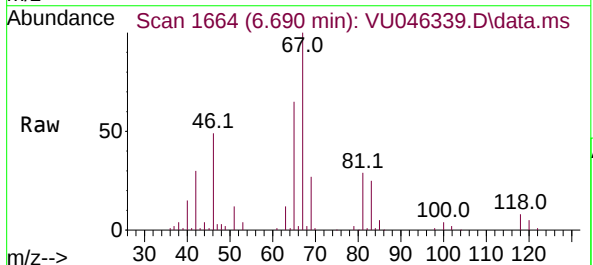
RT: 6.690 min Scan# 1664

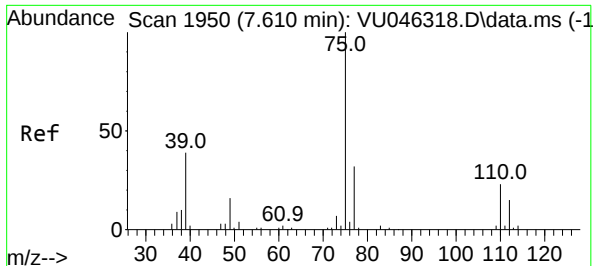
Delta R.T. -0.103 min

Lab File: VU046339.D

Acq: 14 Dec 2021 00:12

Tgt Ion: 63	Resp: 6521
Ion Ratio	Lower Upper
63 100	
112 0.0	3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.909 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046339.D

Acq: 14 Dec 2021 00:12

Instrument :

MSVOA_U

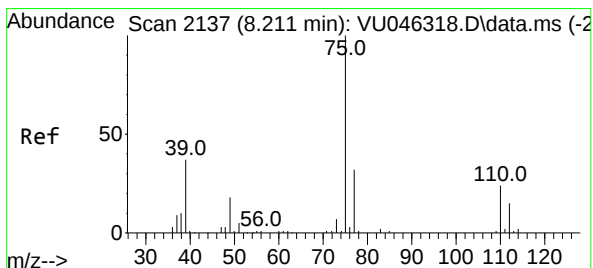
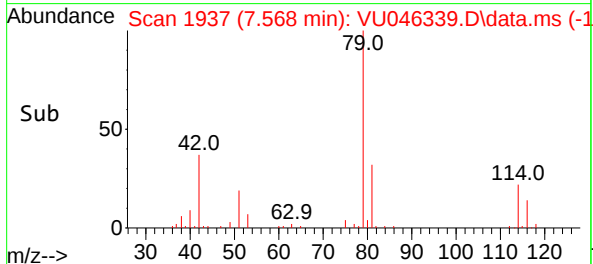
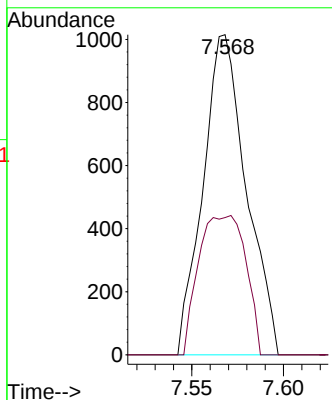
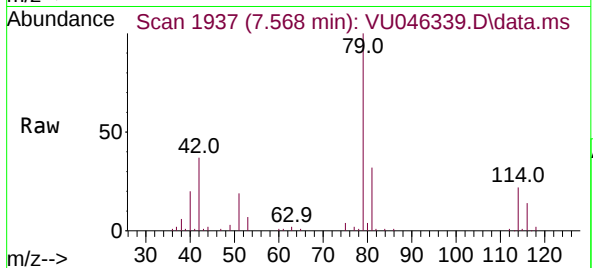
ClientSampleId :

Tgt Ion: 75 Resp: 1668

Ion Ratio Lower Upper

75 100

77 42.9 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.643 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.032 min

Lab File: VU046339.D

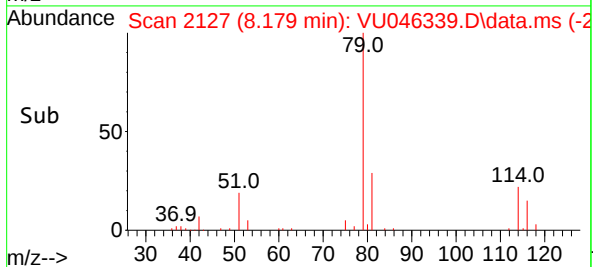
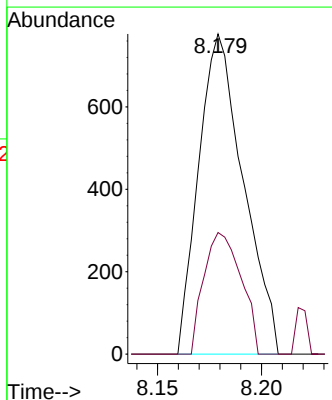
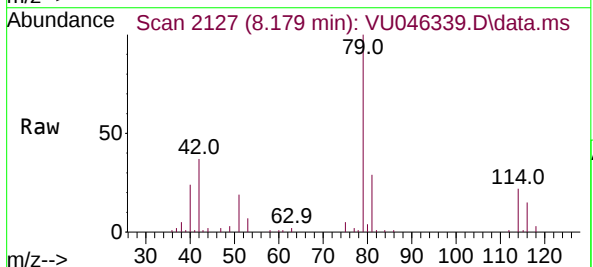
Acq: 14 Dec 2021 00:12

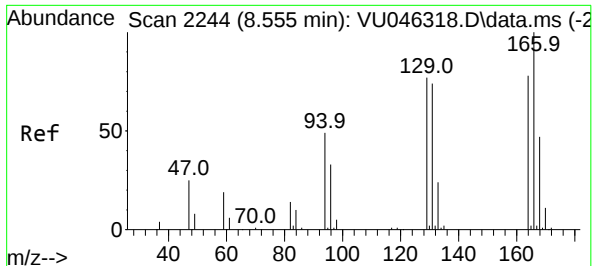
Tgt Ion: 75 Resp: 1159

Ion Ratio Lower Upper

75 100

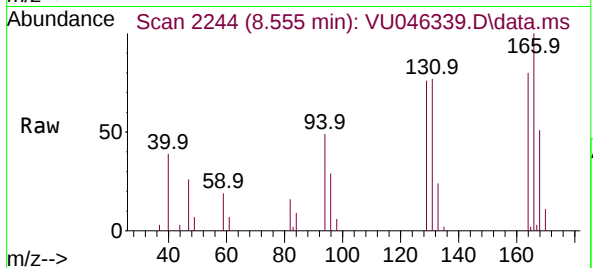
77 38.0 21.7 40.3



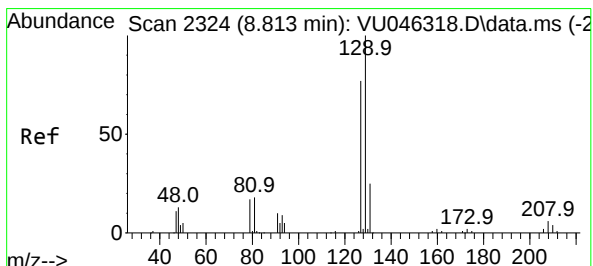
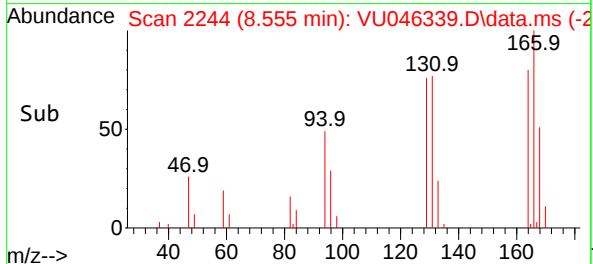
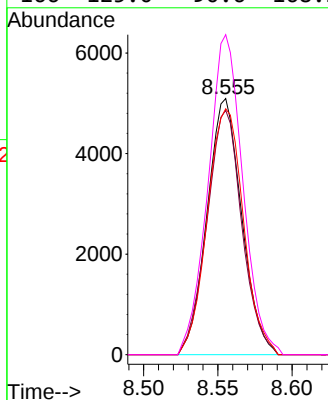


#46
Tetrachloroethene
Concen: 9.283 ug/L
RT: 8.555 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU046339.D
Acq: 14 Dec 2021 00:12

Instrument :
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ClientSampleId :

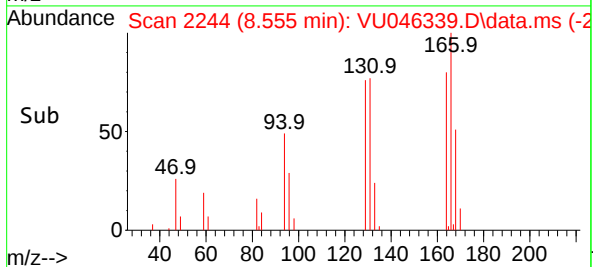
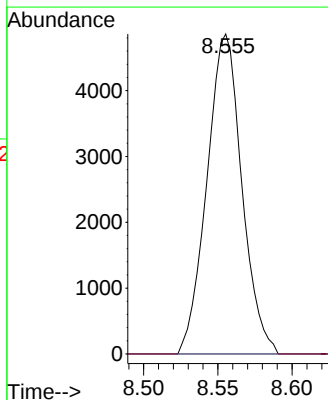
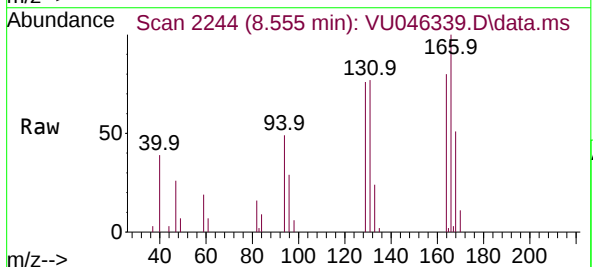


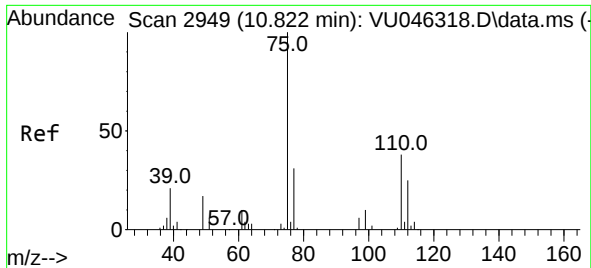
Tgt Ion:	164	Resp:	8273
Ion	Ratio	Lower	Upper
164	100		
129	95.4	71.1	132.1
131	96.0	67.8	126.0
166	125.0	90.6	168.2



#49
Dibromochloromethane
Concen: 6.266 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046339.D
Acq: 14 Dec 2021 00:12

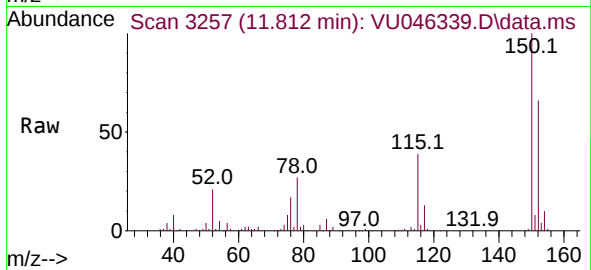
Tgt Ion:	129	Resp:	7961
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.6	103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.508 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU046339.D
 Acq: 14 Dec 2021 00:12

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 9087
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.4 39.6
 110 1.7 32.4 48.6#

