

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121521\
 Data File : VU046402.D
 Acq On : 15 Dec 2021 17:39
 Operator : SY/MD
 Sample : M5023-20MEDL 10X
 Misc : 6.26g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 16 03:11:40 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)

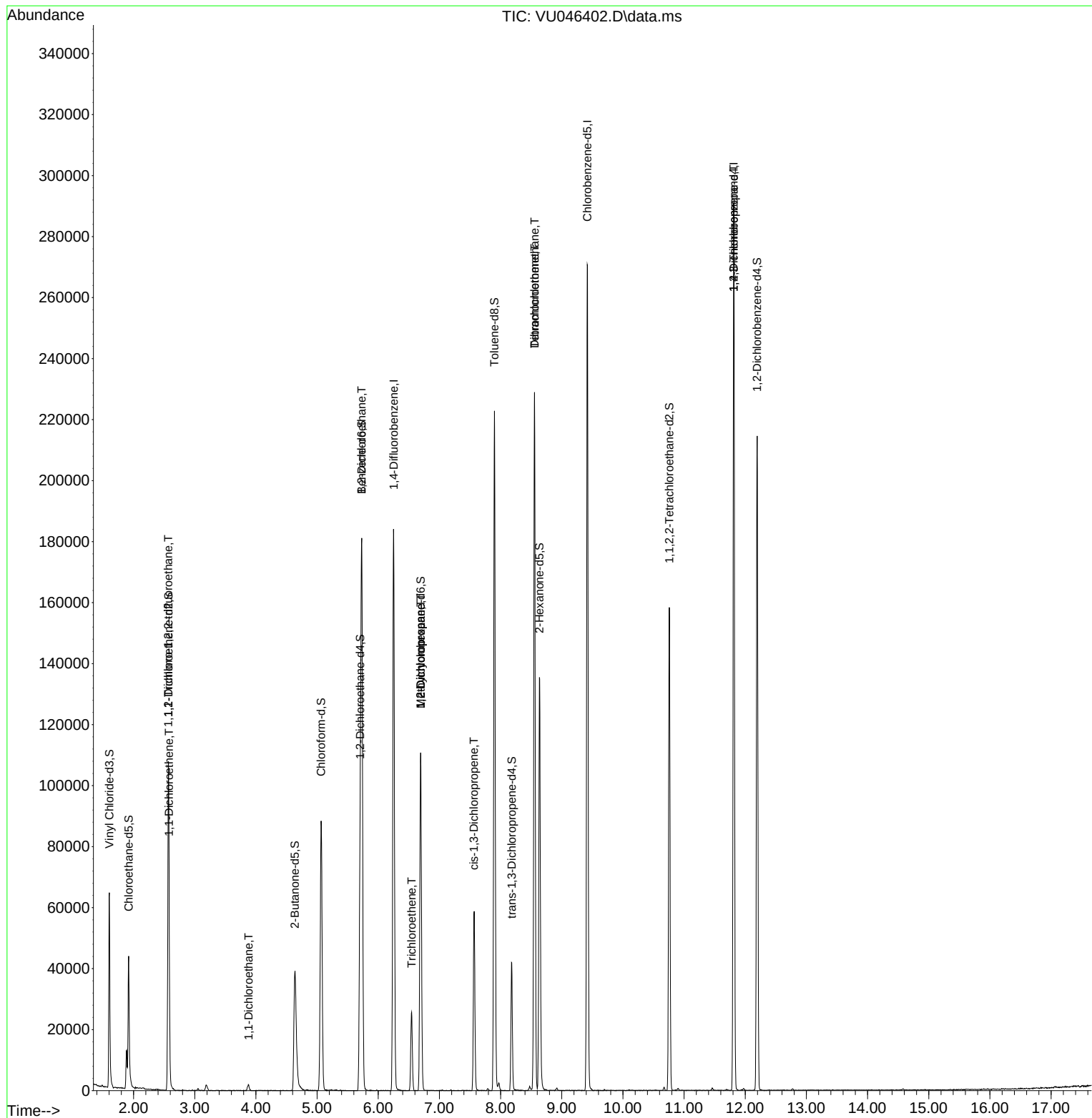
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	148139	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	149670	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	73936	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	50611	41.474	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.940%
7) Chloroethane-d5	1.919	69	35377	37.758	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	75.520%
11) 1,1-Dichloroethene-d2	2.572	63	63889	29.164	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.320%#
21) 2-Butanone-d5	4.636	46	66565	68.618	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	68.620%
24) Chloroform-d	5.067	84	83674	41.060	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.120%
26) 1,2-Dichloroethane-d4	5.703	65	55654	40.694	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.380%
32) Benzene-d6	5.729	84	168226	39.215	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.440%
36) 1,2-Dichloropropane-d6	6.694	67	52159	39.232	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	78.460%
41) Toluene-d8	7.899	98	142605	36.511	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.020%#
43) trans-1,3-Dichloroprop...	8.182	79	23746	37.000	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.000%
47) 2-Hexanone-d5	8.636	63	51247	81.298	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.300%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	76474	37.929	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	75.860%
66) 1,2-Dichlorobenzene-d4	12.195	152	55253	38.805	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	77.600%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	487	0.452	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	1883	1.838	ug/L #	1
19) 1,1-Dichloroethane	3.880	63	2741	1.391	ug/L	93
27) 1,2-Dichloroethane	5.729	62	953	0.586	ug/L #	73
34) Trichloroethene	6.546	95	9165	7.680	ug/L	95
35) Methylcyclohexane	6.694	83	12672	6.848	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	5634	4.748	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	1502	0.832	ug/L #	55
46) Tetrachloroethene	8.555	164	48958	55.825	ug/L	96
49) Dibromochloromethane	8.555	129	47518	38.009	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	9002	5.554	ug/L #	64

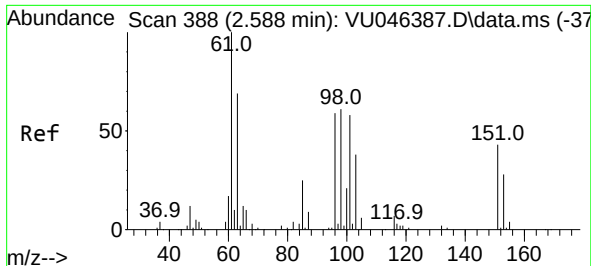
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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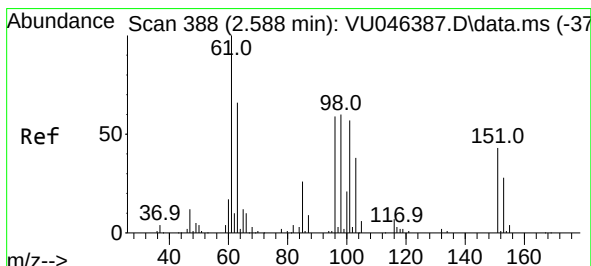
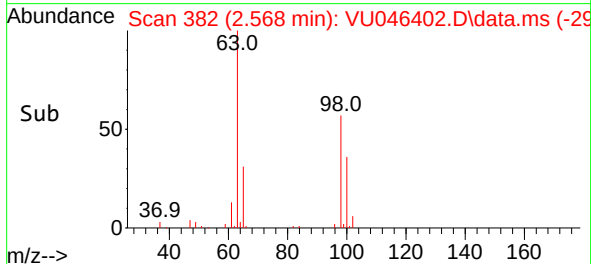
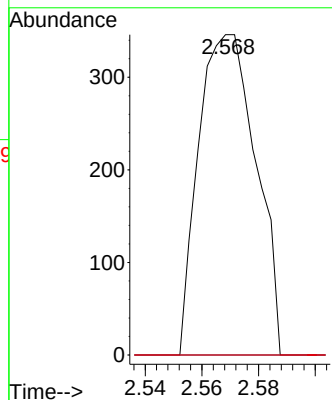
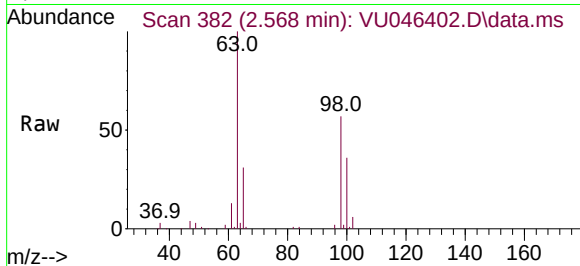




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.452 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.019 min
 Lab File: VU046402.D
 Acq: 15 Dec 2021 17:39

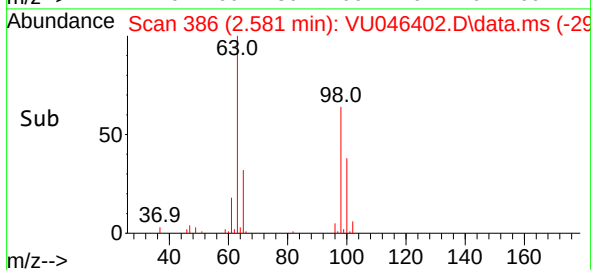
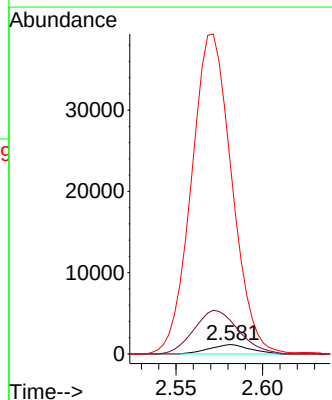
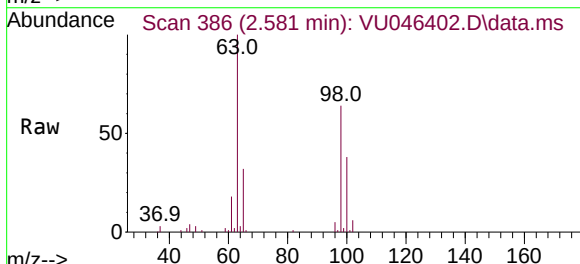
Instrument :
 MSVOA_U
 ClientSampleId :

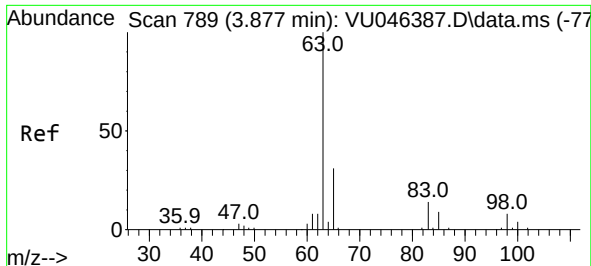
Tgt Ion:101 Resp: 487
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 1.838 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.007 min
 Lab File: VU046402.D
 Acq: 15 Dec 2021 17:39

Tgt Ion: 96 Resp: 1883
 Ion Ratio Lower Upper
 96 100
 61 360.4 118.6 220.2#
 63 2050.3 93.0 172.8#





#19

1,1-Dichloroethane

Concen: 1.391 ug/L

RT: 3.880 min Scan# 79

Delta R.T. 0.003 min

Lab File: VU046402.D

Acq: 15 Dec 2021 17:39

Instrument :

MSVOA_U

ClientSampleId :

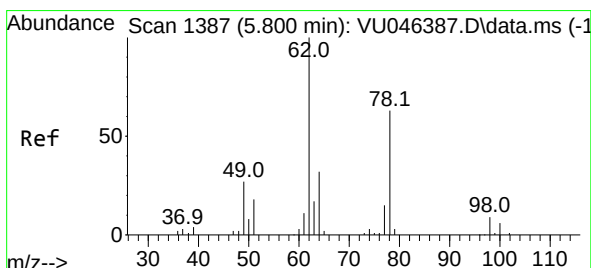
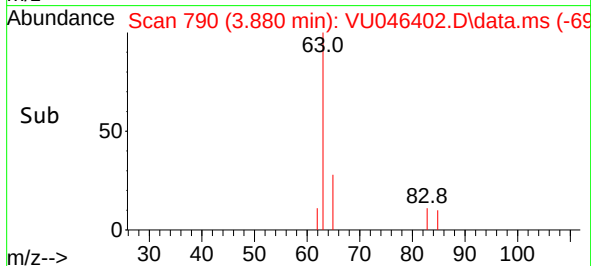
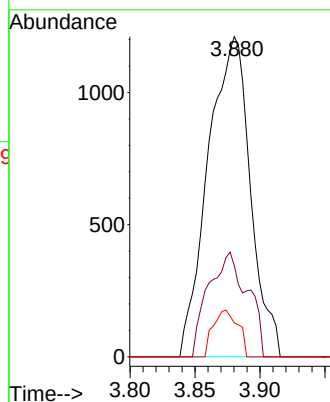
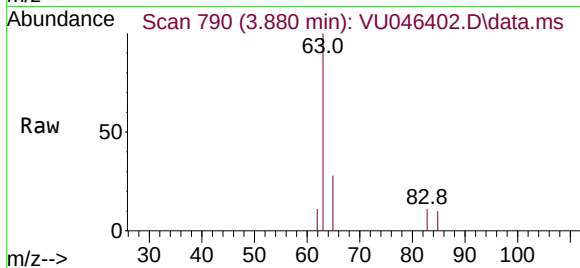
Tgt Ion: 63 Resp: 2741

Ion Ratio Lower Upper

63 100

65 28.5 22.8 42.4

83 10.6 9.6 17.8



#27

1,2-Dichloroethane

Concen: 0.586 ug/L

RT: 5.729 min Scan# 1365

Delta R.T. -0.071 min

Lab File: VU046402.D

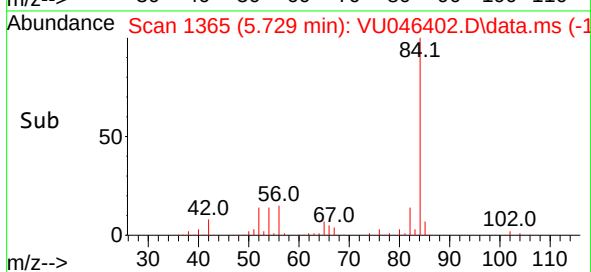
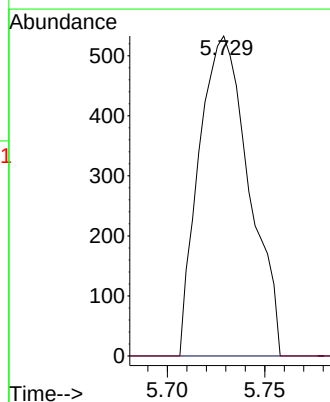
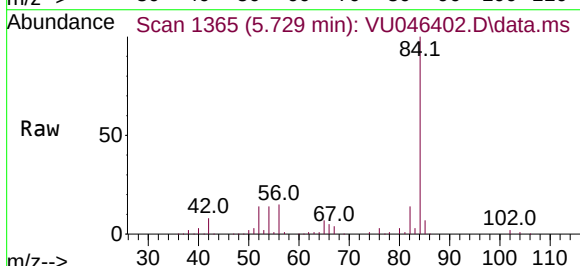
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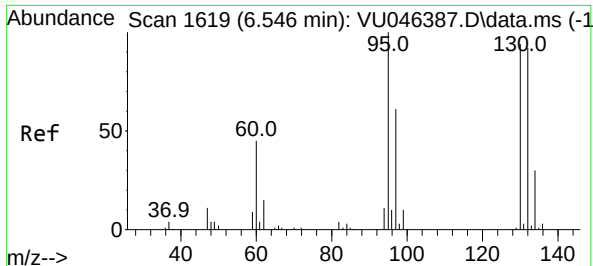
Tgt Ion: 62 Resp: 953

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



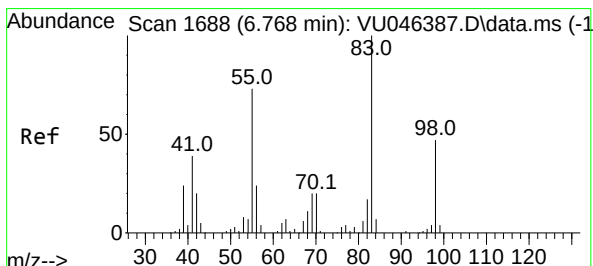
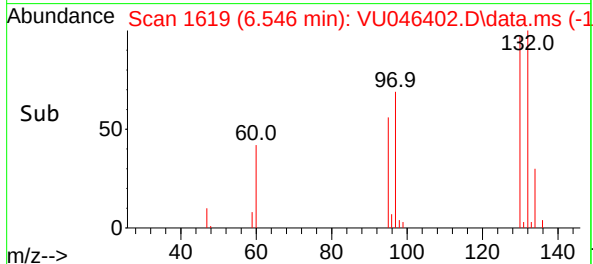
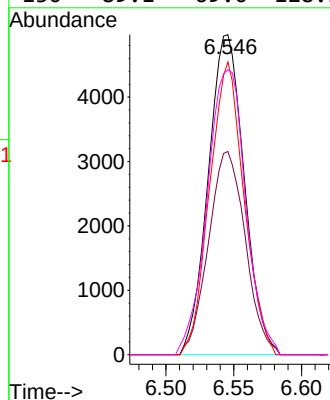
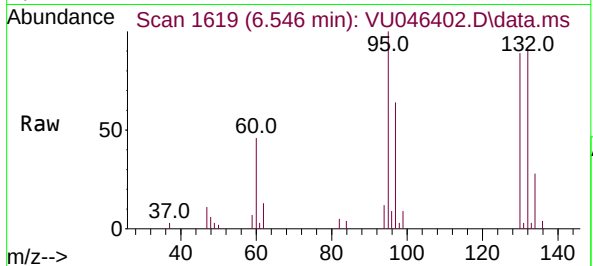


#34
Trichloroethene
Concen: 7.680 ug/L
RT: 6.546 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VU046402.D
Acq: 15 Dec 2021 17:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 9165

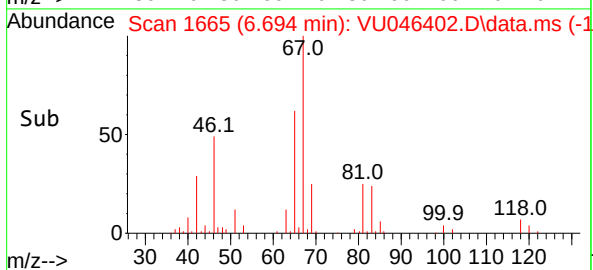
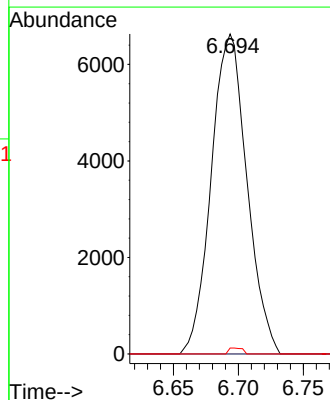
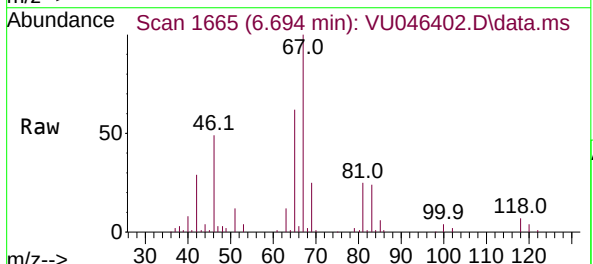
Ion	Ratio	Lower	Upper
95	100		
97	63.5	44.1	81.9
132	91.5	66.8	124.0
130	89.1	69.0	128.1

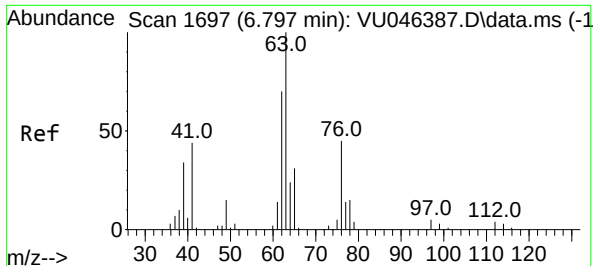


#35
Methylcyclohexane
Concen: 6.848 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046402.D
Acq: 15 Dec 2021 17:39

Tgt Ion: 83 Resp: 12672

Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.6#
98	0.5	38.4	57.6#





#37

1,2-Dichloropropane

Concen: 4.748 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU046402.D

Acq: 15 Dec 2021 17:39

Instrument :

MSVOA_U

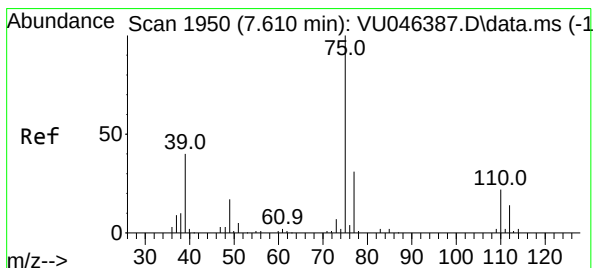
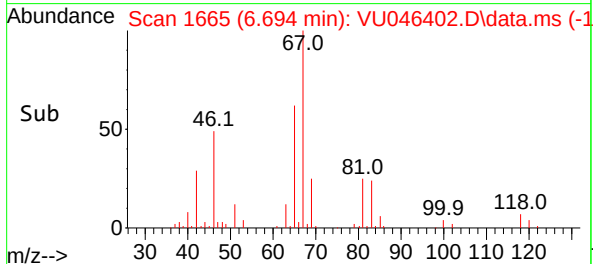
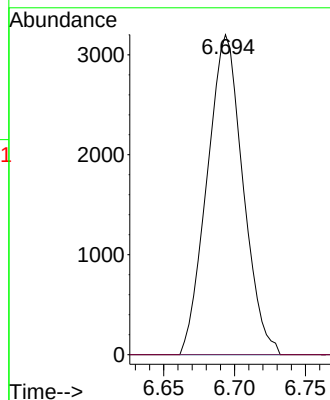
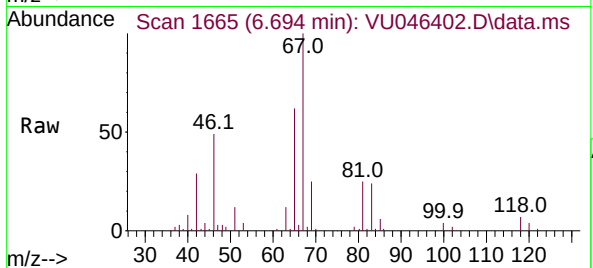
ClientSampleId :

Tgt Ion: 63 Resp: 5634

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.832 ug/L

RT: 7.565 min Scan# 1936

Delta R.T. -0.045 min

Lab File: VU046402.D

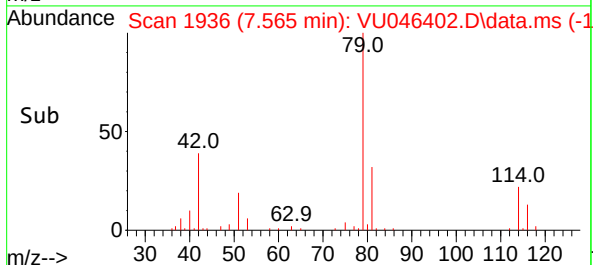
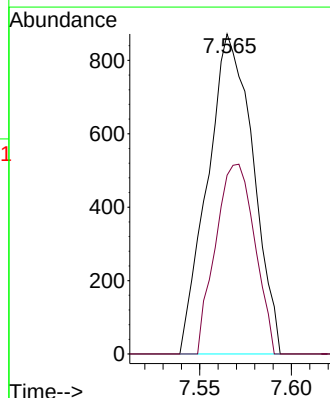
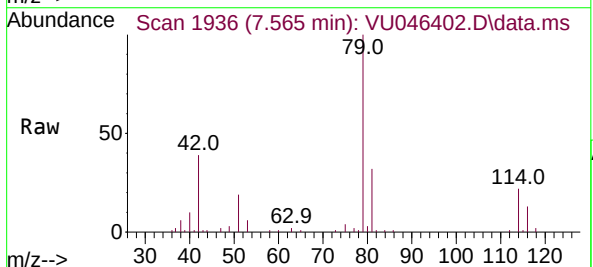
Acq: 15 Dec 2021 17:39

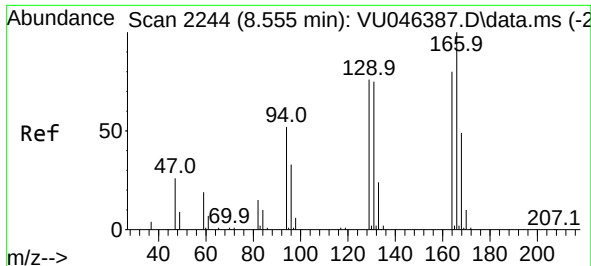
Tgt Ion: 75 Resp: 1502

Ion Ratio Lower Upper

75 100

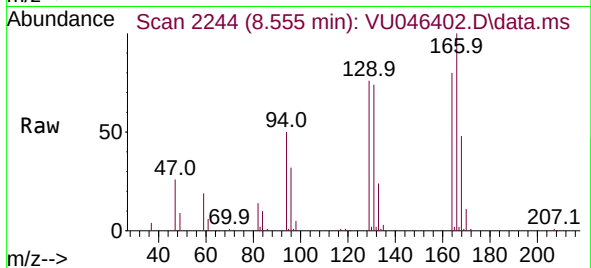
77 55.8 21.8 40.6#



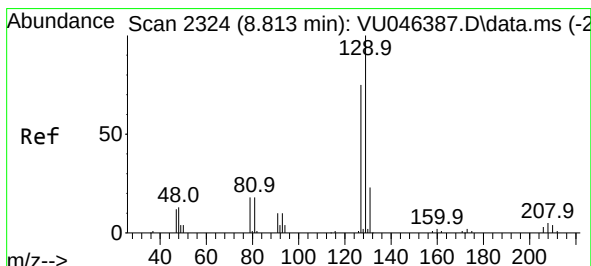
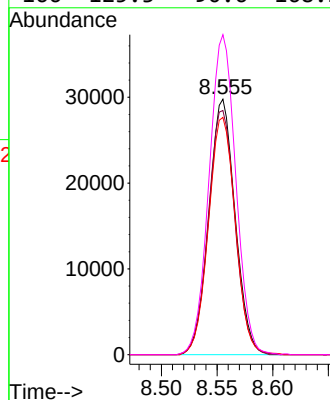
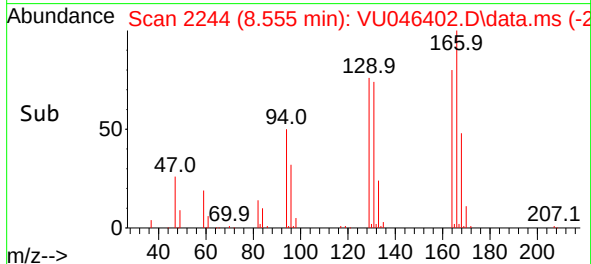


#46
Tetrachloroethene
Concen: 55.825 ug/L
RT: 8.555 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU046402.D
Acq: 15 Dec 2021 17:39

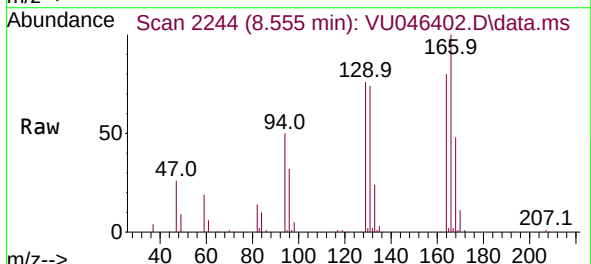
Instrument :
MSVOA_U
ClientSampleId :



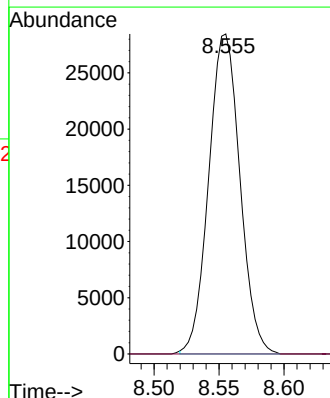
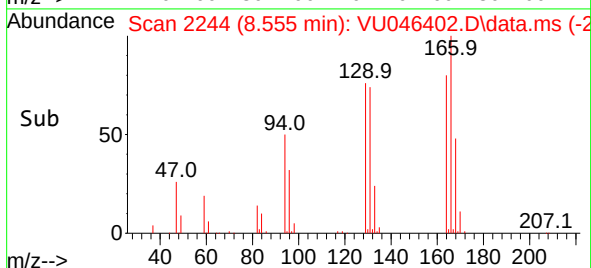
Tgt Ion:164 Resp: 48958
Ion Ratio Lower Upper
164 100
129 95.6 71.1 132.1
131 92.9 67.8 126.0
166 125.3 90.6 168.2

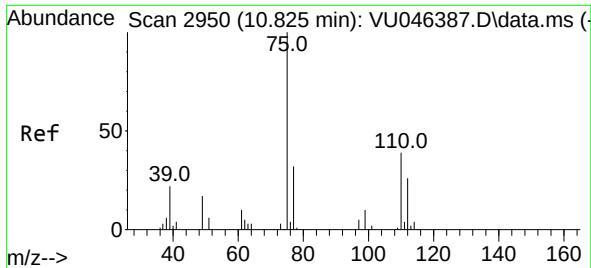


#49
Dibromochloromethane
Concen: 38.009 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046402.D
Acq: 15 Dec 2021 17:39



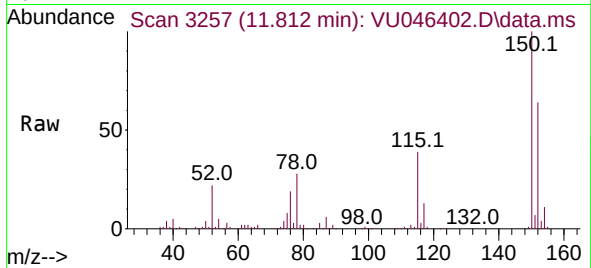
Tgt Ion:129 Resp: 47518
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.554 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046402.D
 Acq: 15 Dec 2021 17:39

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 9002
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.4 39.6
 110 1.1 32.4 48.6#

