

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121921\
 Data File : VU046499.D
 Acq On : 19 Dec 2021 16:53
 Operator : SY/MD
 Sample : M5062-07ME
 Misc : 6.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 00:28:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Dec 20 00:25:10 2021
 Response via : Initial Calibration

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

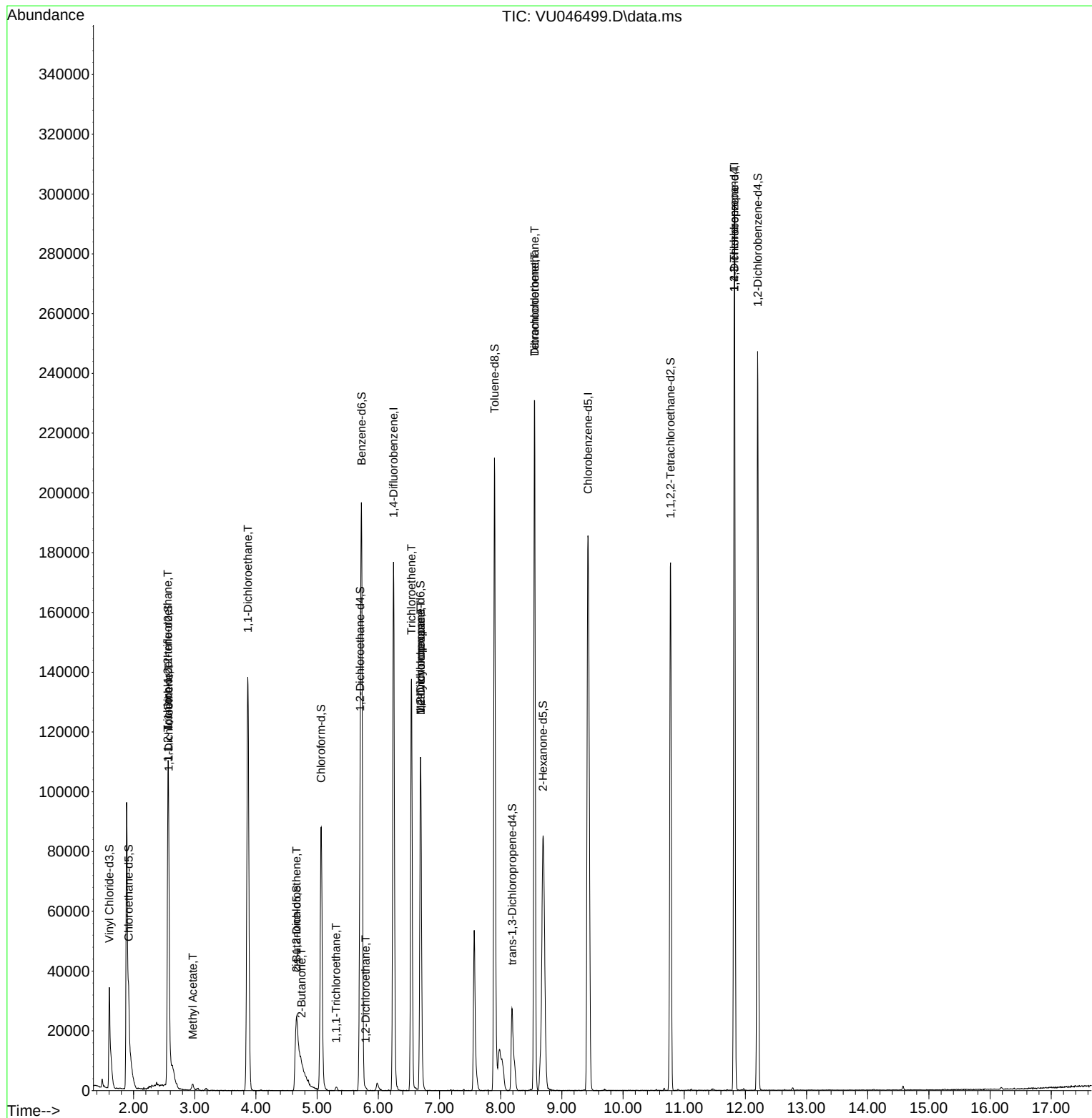
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	148216	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	160653	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	77979	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	42111	34.491	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	68.980%
7) Chloroethane-d5	1.919	69	34108	36.385	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	72.780%
11) 1,1-Dichloroethene-d2	2.562	63	60689	27.689	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.380%#
21) 2-Butanone-d5	4.665	46	69876	71.994	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	71.990%
24) Chloroform-d	5.067	84	87877	43.101	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.200%
26) 1,2-Dichloroethane-d4	5.703	65	61717	45.104	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.200%
32) Benzene-d6	5.726	84	171704	37.290	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	74.580%
36) 1,2-Dichloropropane-d6	6.690	67	54595	38.257	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	76.520%
41) Toluene-d8	7.899	98	150128	35.809	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	71.620%#
43) trans-1,3-Dichloroprop...	8.189	79	28379	41.196	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.400%
47) 2-Hexanone-d5	8.694	63	63918	94.467	ug/L	0.06
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.470%
56) 1,1,2,2-Tetrachloroeth...	10.777	84	90824	41.967	ug/L	0.02
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.940%
66) 1,2-Dichlorobenzene-d4	12.201	152	62978	41.937	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.880%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.559	101	384	0.356	ug/L #	21
12) 1,1-Dichloroethene	2.575	96	20883	20.377	ug/L	84
15) Methyl Acetate	2.967	43	3175	2.245	ug/L	96
19) 1,1-Dichloroethane	3.867	63	159557	80.914	ug/L	98
20) cis-1,2-Dichloroethene	4.665	96	681	0.579	ug/L	86
22) 2-Butanone	4.745	43	6997	5.299	ug/L #	65
27) 1,2-Dichloroethane	5.793	62	837	0.515	ug/L #	73
30) 1,1,1-Trichloroethane	5.311	97	1372	0.696	ug/L #	72
34) Trichloroethene	6.543	95	47730	37.261	ug/L	97
35) Methylcyclohexane	6.694	83	13663	6.879	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6250	4.907	ug/L #	86
46) Tetrachloroethene	8.555	164	50786	53.951	ug/L	98
49) Dibromochloromethane	8.555	129	49635	36.988	ug/L #	10
60) 1,2,3-Trichloropropane	11.819	75	9232	5.401	ug/L #	65

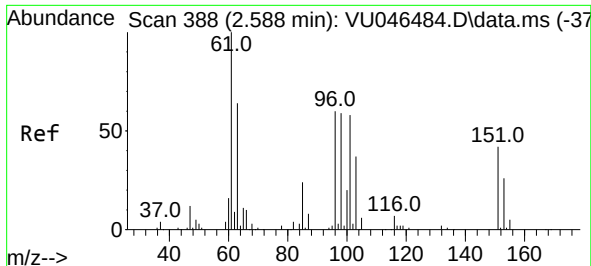
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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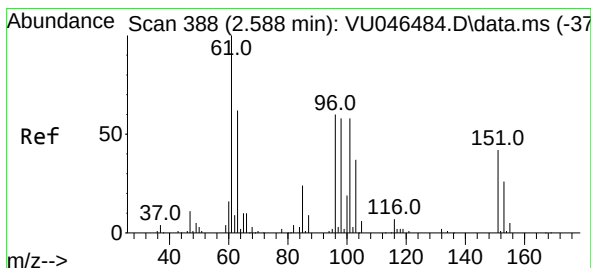
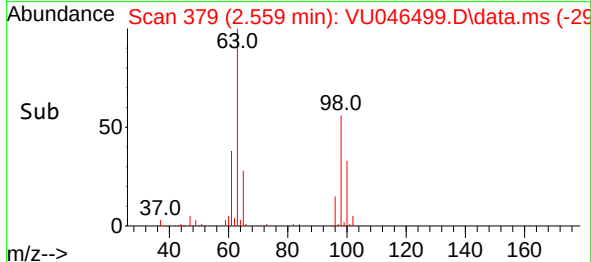
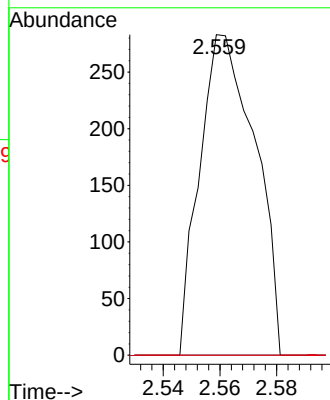
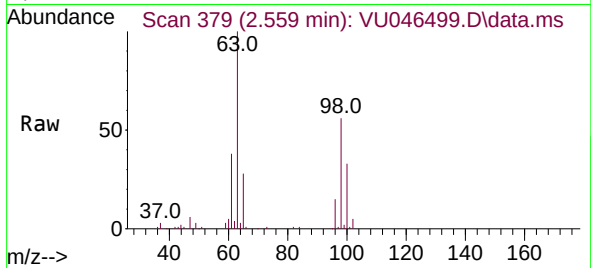




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.356 ug/L
RT: 2.559 min Scan# 31
Delta R.T. -0.029 min
Lab File: VU046499.D
Acq: 19 Dec 2021 16:53

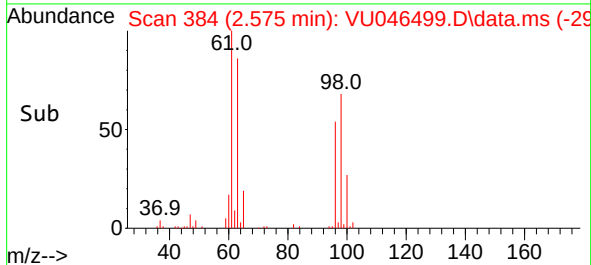
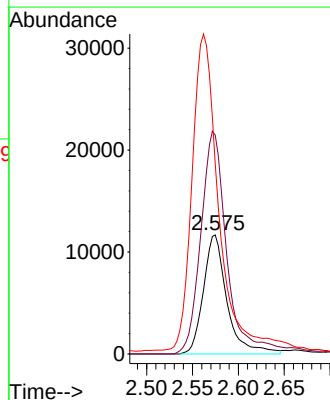
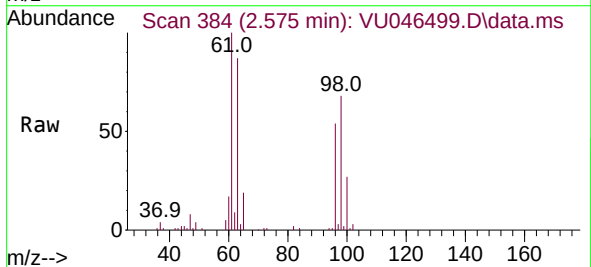
Instrument :
MSVOA_U
ClientSampleId :

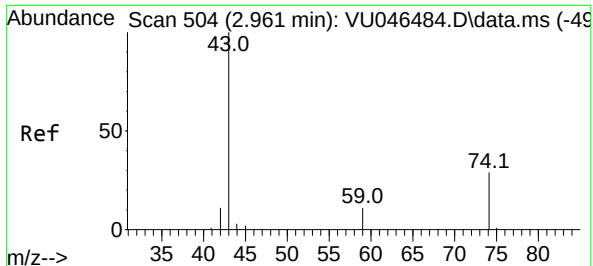
Tgt Ion:101 Resp: 384
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 20.377 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU046499.D
Acq: 19 Dec 2021 16:53

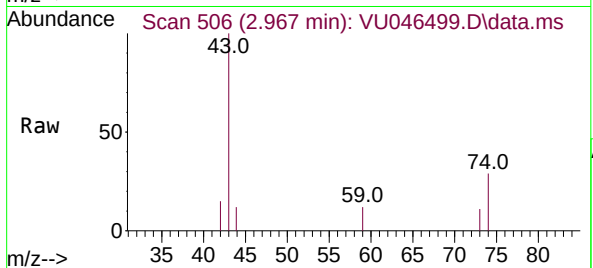
Tgt Ion: 96 Resp: 20883
Ion Ratio Lower Upper
96 100
61 183.7 118.6 220.2
63 159.5 93.0 172.8



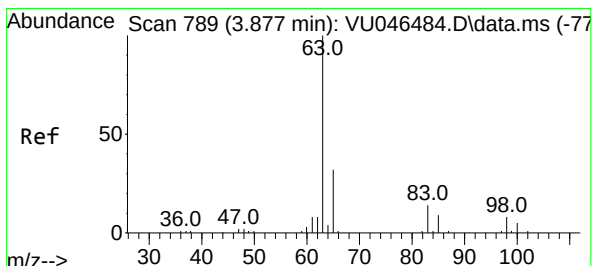
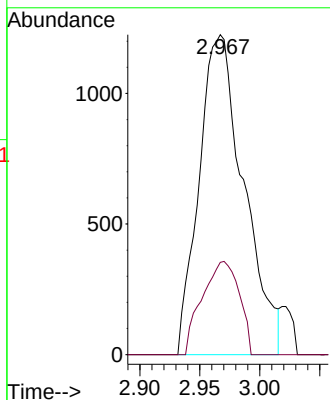
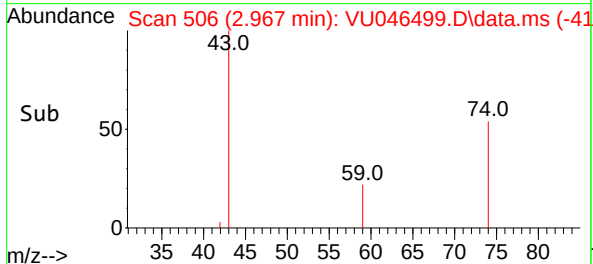


#15
Methyl Acetate
Concen: 2.245 ug/L
RT: 2.967 min Scan# 506
Delta R.T. 0.007 min
Lab File: VU046499.D
Acq: 19 Dec 2021 16:53

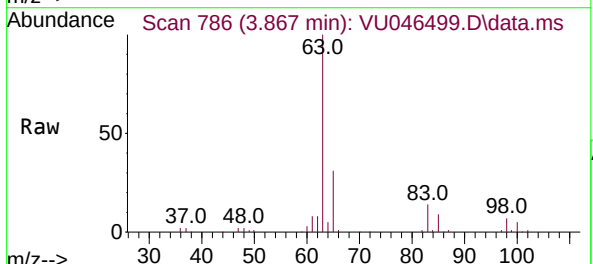
Instrument :
MSVOA_U
ClientSampleId :



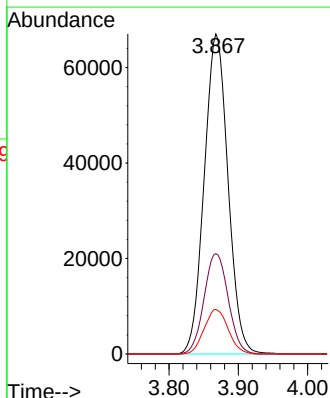
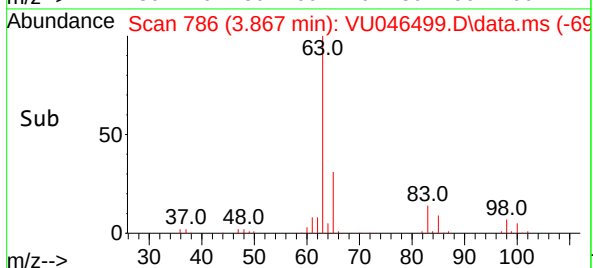
Tgt Ion: 43 Resp: 3175
Ion Ratio Lower Upper
43 100
74 24.1 20.8 31.2

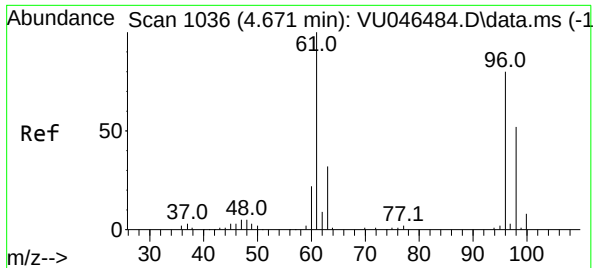


#19
1,1-Dichloroethane
Concen: 80.914 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.009 min
Lab File: VU046499.D
Acq: 19 Dec 2021 16:53



Tgt Ion: 63 Resp: 159557
Ion Ratio Lower Upper
63 100
65 31.4 22.8 42.4
83 13.9 9.6 17.8

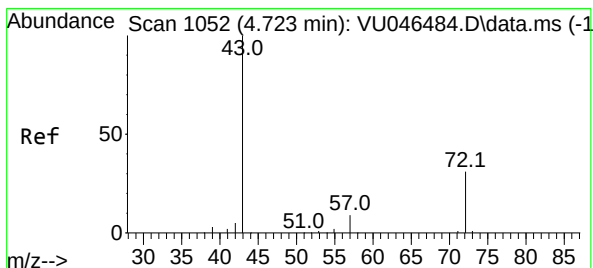
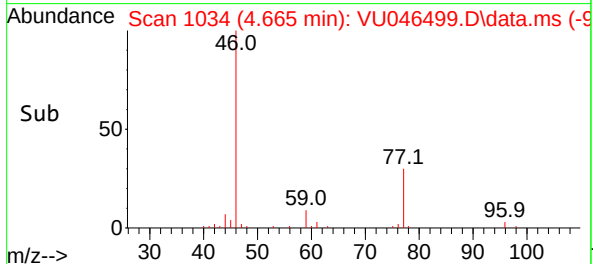
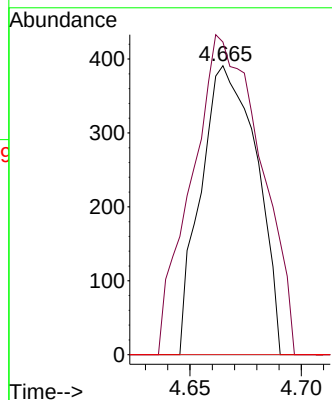
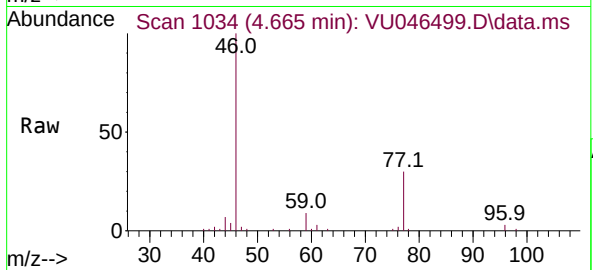




#20
 cis-1,2-Dichloroethene
 Concen: 0.579 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. -0.006 min
 Lab File: VU046499.D
 Acq: 19 Dec 2021 16:53

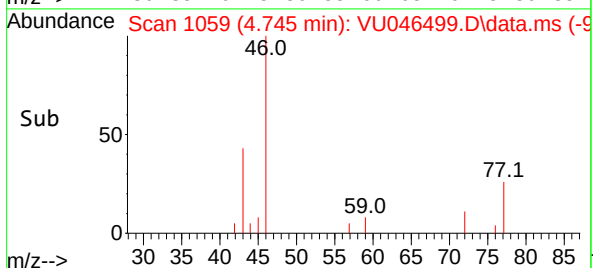
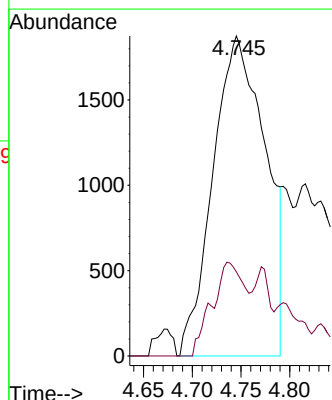
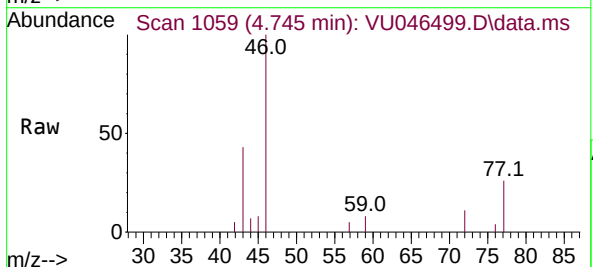
Instrument :
 MSVOA_U
 ClientSampleId :

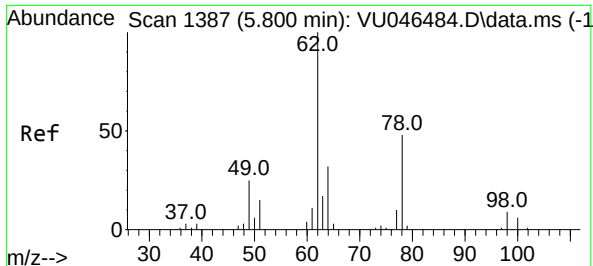
Tgt Ion: 96 Resp: 681
 Ion Ratio Lower Upper
 96 100
 61 108.2 86.8 161.2
 68 0.0 0.0 0.0



#22
 2-Butanone
 Concen: 5.299 ug/L
 RT: 4.745 min Scan# 1059
 Delta R.T. 0.023 min
 Lab File: VU046499.D
 Acq: 19 Dec 2021 16:53

Tgt Ion: 43 Resp: 6997
 Ion Ratio Lower Upper
 43 100
 72 10.2 14.5 43.6#

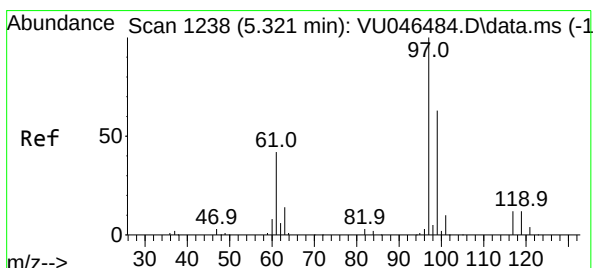
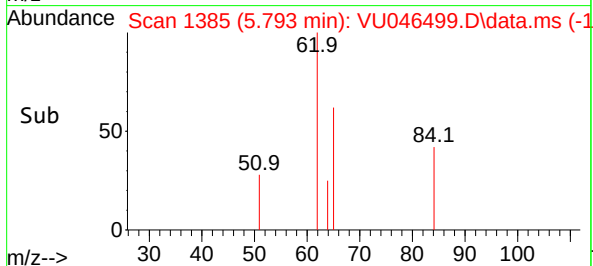
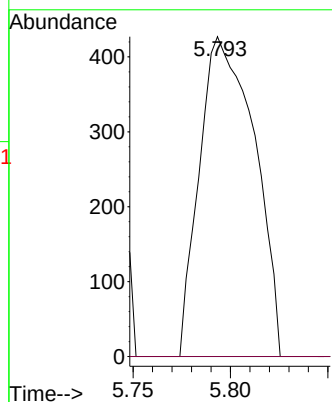
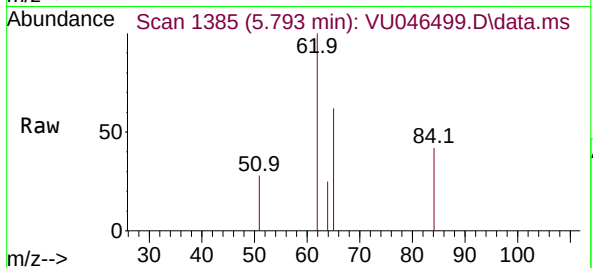




#27
1,2-Dichloroethane
Concen: 0.515 ug/L
RT: 5.793 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU046499.D
Acq: 19 Dec 2021 16:53

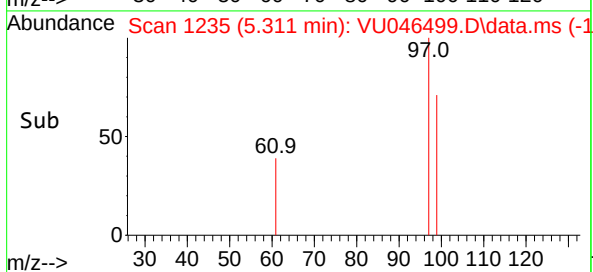
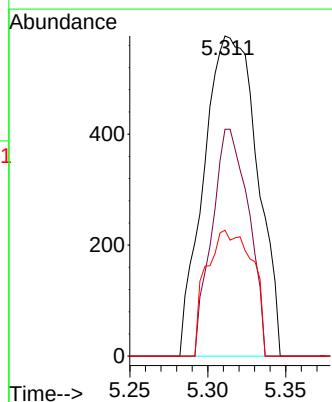
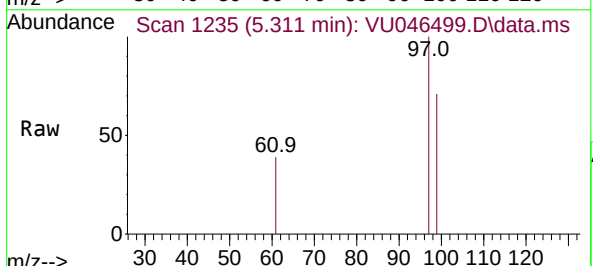
Instrument :
MSVOA_U
ClientSampleId :

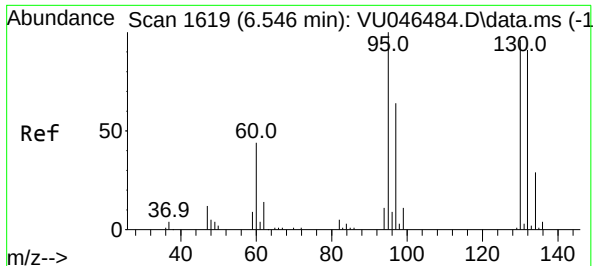
Tgt Ion: 62 Resp: 837
Ion Ratio Lower Upper
62 100
98 0.0 7.9 11.9#



#30
1,1,1-Trichloroethane
Concen: 0.696 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. -0.010 min
Lab File: VU046499.D
Acq: 19 Dec 2021 16:53

Tgt Ion: 97 Resp: 1372
Ion Ratio Lower Upper
97 100
99 48.7 51.8 77.6#
61 18.3 34.4 51.6#



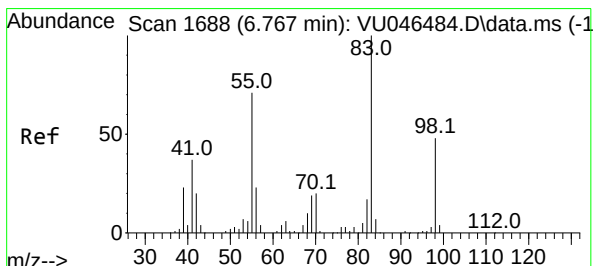
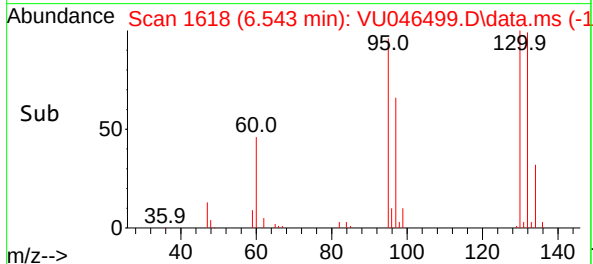
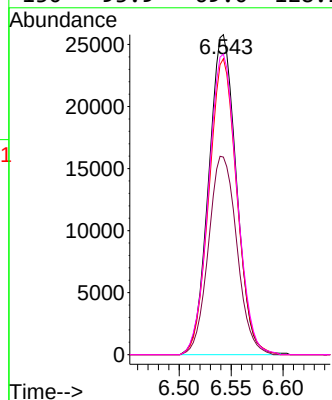
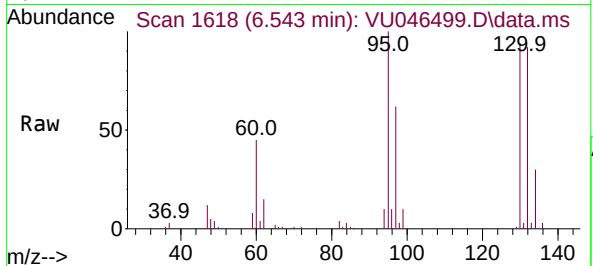


#34
Trichloroethene
Concen: 37.261 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. -0.003 min
Lab File: VU046499.D
Acq: 19 Dec 2021 16:53

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 47730

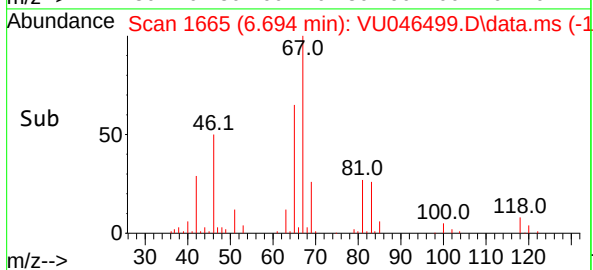
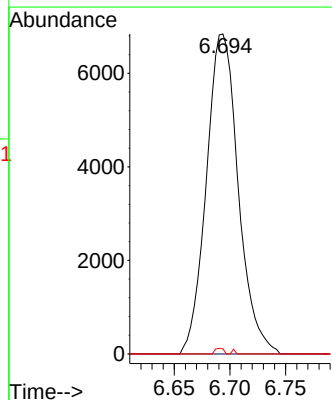
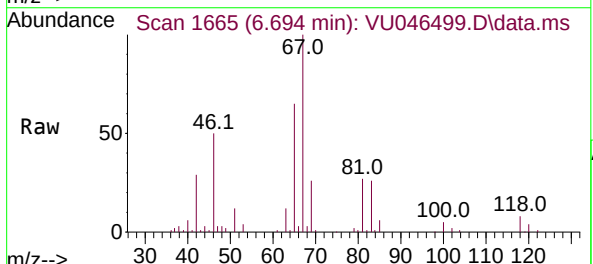
Ion	Ratio	Lower	Upper
95	100		
97	61.8	44.1	81.9
132	92.5	66.8	124.0
130	93.9	69.0	128.1

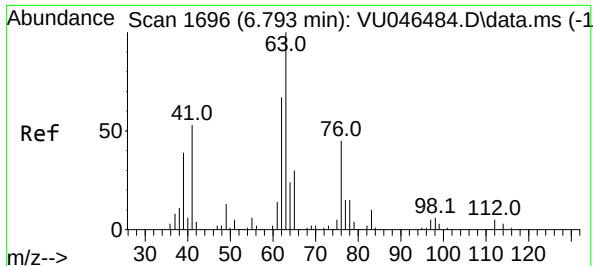


#35
Methylcyclohexane
Concen: 6.879 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046499.D
Acq: 19 Dec 2021 16:53

Tgt Ion: 83 Resp: 13663

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: 4.907 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046499.D

Acq: 19 Dec 2021 16:53

Instrument :

MSVOA_U

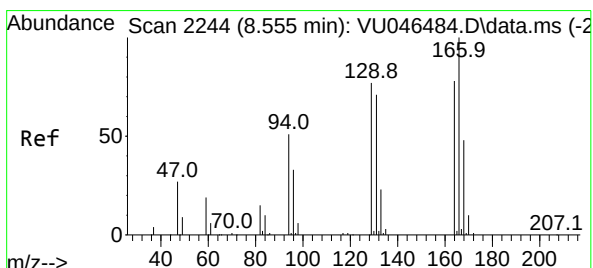
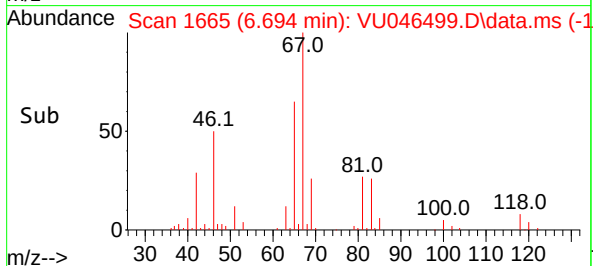
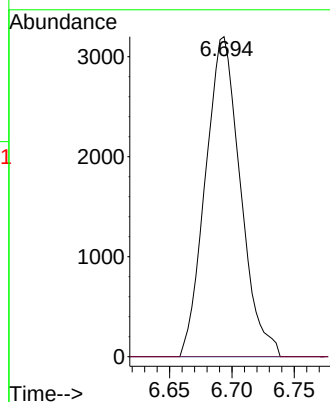
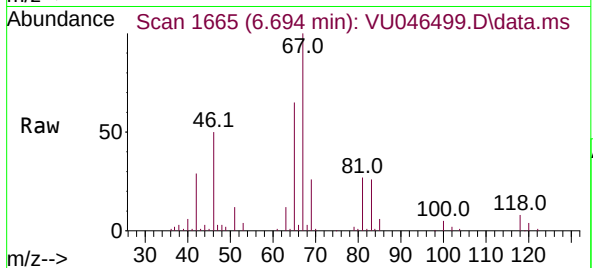
ClientSampleId :

Tgt Ion: 63 Resp: 6250

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#46

Tetrachloroethene

Concen: 53.951 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. 0.000 min

Lab File: VU046499.D

Acq: 19 Dec 2021 16:53

Tgt Ion: 164 Resp: 50786

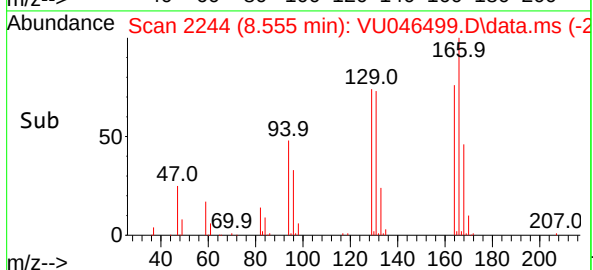
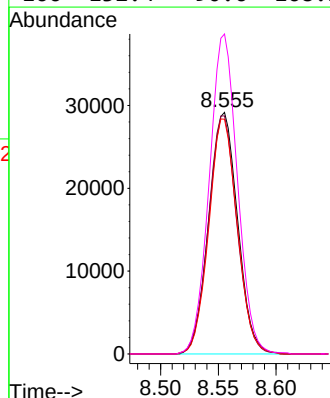
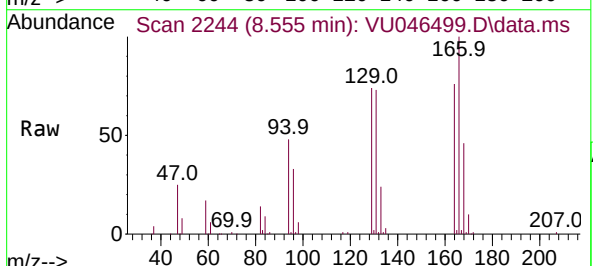
Ion Ratio Lower Upper

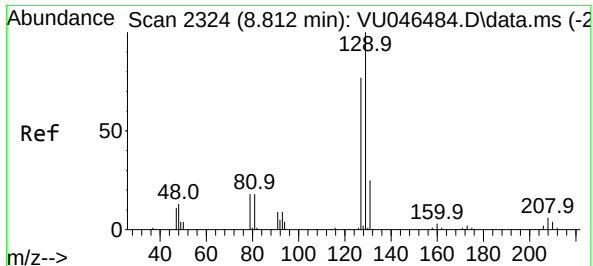
164 100

129 98.5 71.1 132.1

131 97.1 67.8 126.0

166 132.4 90.6 168.2





#49

Dibromochloromethane

Concen: 36.988 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046499.D

Acq: 19 Dec 2021 16:53

Instrument :

MSVOA_U

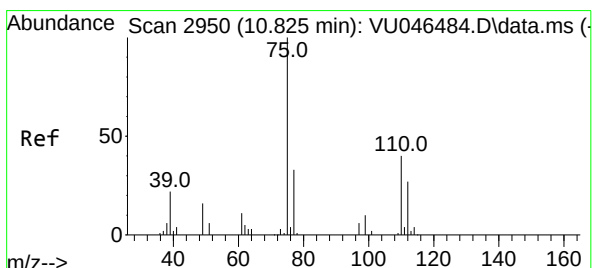
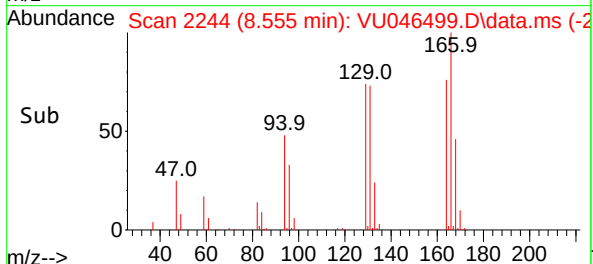
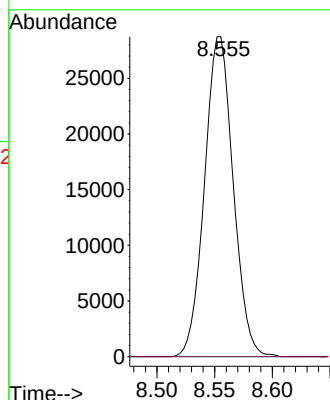
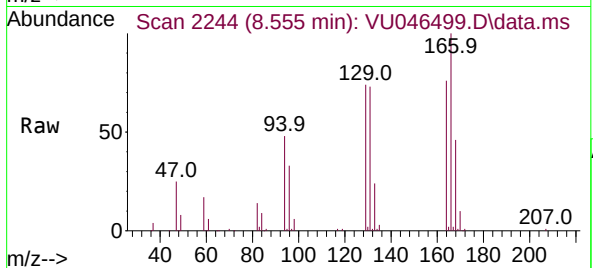
ClientSampleId :

Tgt Ion:129 Resp: 49635

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.401 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.994 min

Lab File: VU046499.D

Acq: 19 Dec 2021 16:53

Tgt Ion: 75 Resp: 9232

Ion Ratio Lower Upper

75 100

77 34.5 26.4 39.6

110 2.2 32.4 48.6#

