

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121921\
 Data File : VU046497.D
 Acq On : 19 Dec 2021 16:08
 Operator : SY/MD
 Sample : M5066-01DL 10X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 20 00:28:31 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)

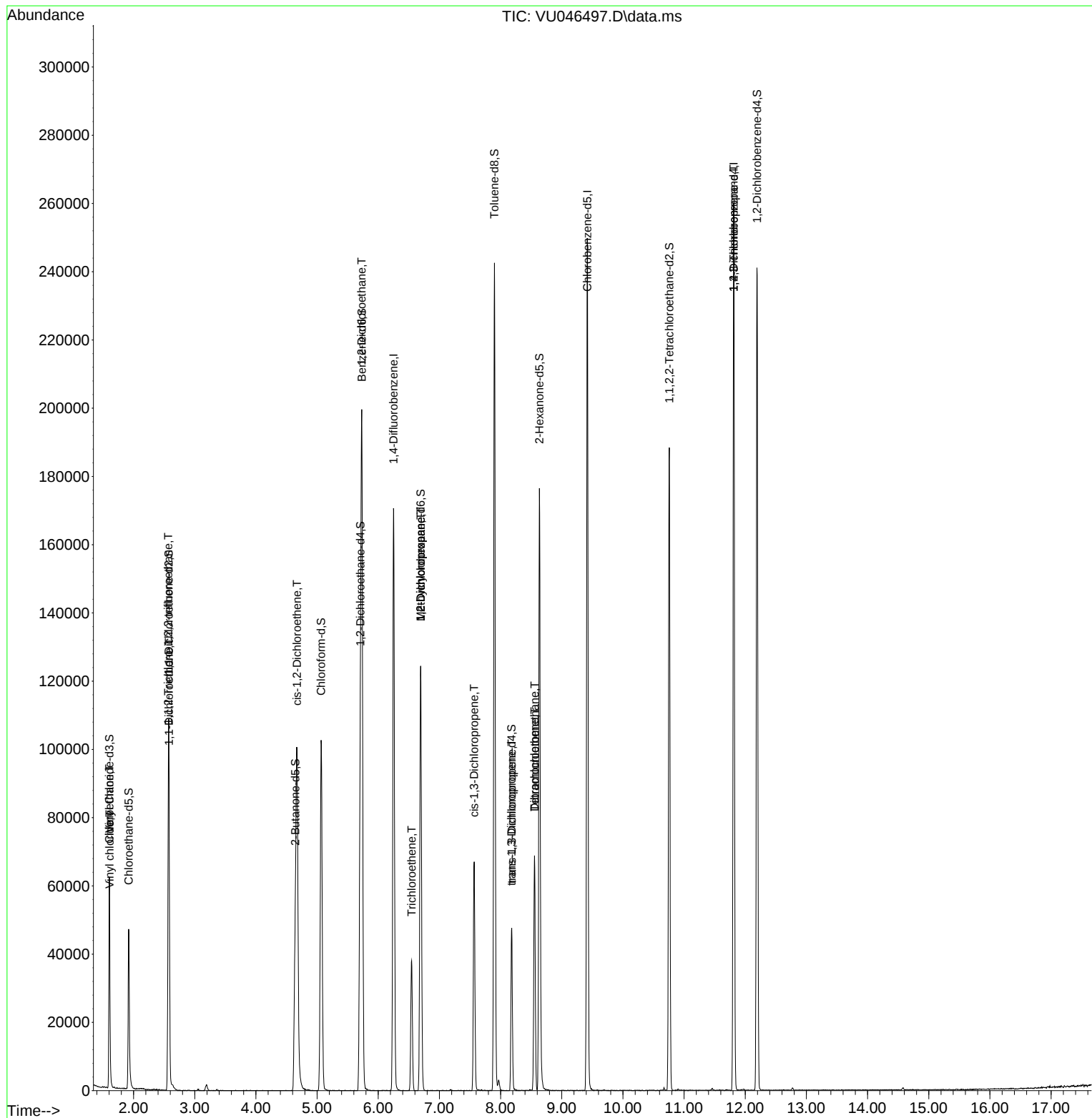
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	137424	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	138464	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	66427	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	46492	41.070	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.140%
7) Chloroethane-d5	1.919	69	38799	44.640	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.280%
11) 1,1-Dichloroethene-d2	2.575	63	66085	32.519	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.040%
21) 2-Butanone-d5	4.645	46	89118	99.030	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.030%
24) Chloroform-d	5.067	84	98004	51.842	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.680%
26) 1,2-Dichloroethane-d4	5.706	65	64364	50.733	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.460%
32) Benzene-d6	5.732	84	183807	46.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.640%
36) 1,2-Dichloropropane-d6	6.694	67	58839	47.839	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.680%
41) Toluene-d8	7.899	98	159961	44.269	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.540%
43) trans-1,3-Dichloroprop...	8.179	79	27573	46.440	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.880%
47) 2-Hexanone-d5	8.636	63	65155	111.727	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.730%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	90452	48.493	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.980%
66) 1,2-Dichlorobenzene-d4	12.192	152	62874	49.149	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.300%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.610	62	2035	1.509	ug/L #	61
8) Chloroethane	1.607	64	1183	1.515	ug/L #	8
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	524	0.524	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	662	0.697	ug/L #	1
20) cis-1,2-Dichloroethene	4.671	96	40162	36.809	ug/L	98
27) 1,2-Dichloroethane	5.729	62	1013	0.672	ug/L #	73
34) Trichloroethene	6.546	95	12886	11.672	ug/L	96
35) Methylcyclohexane	6.694	83	14710	8.593	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	6649	6.057	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	1687	1.010	ug/L #	65
44) trans-1,3-Dichloropropene	8.182	75	1345	0.820	ug/L	99
46) Tetrachloroethene	8.555	164	14982	18.466	ug/L	97
49) Dibromochloromethane	8.555	129	14520	12.554	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	8265	5.676	ug/L #	65

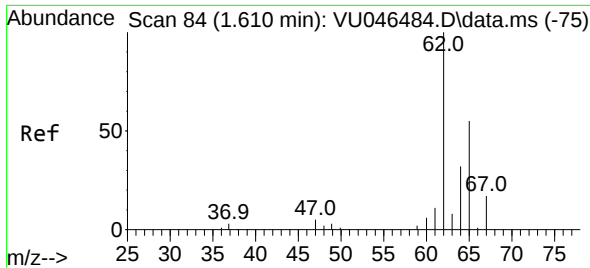
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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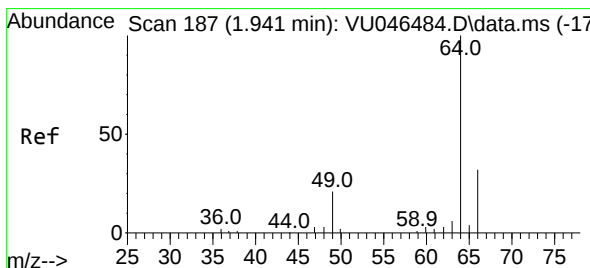
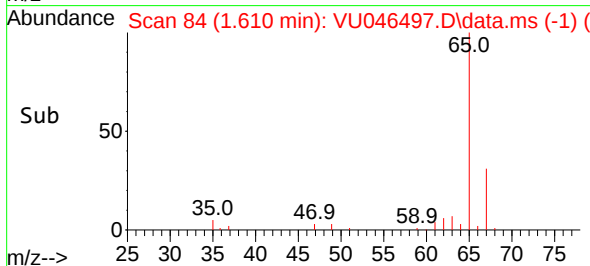
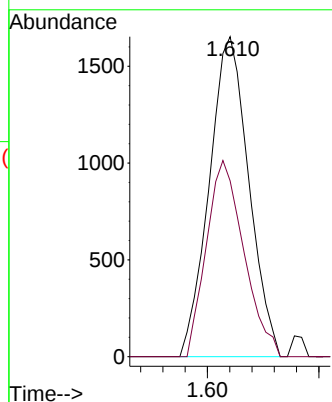
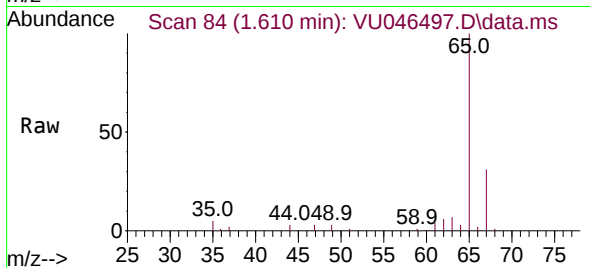




#5
 Vinyl chloride
 Concen: 1.509 ug/L
 RT: 1.610 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VU046497.D
 Acq: 19 Dec 2021 16:08

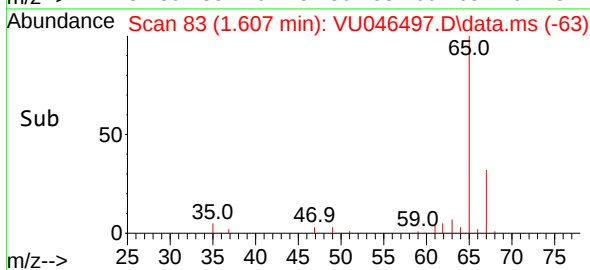
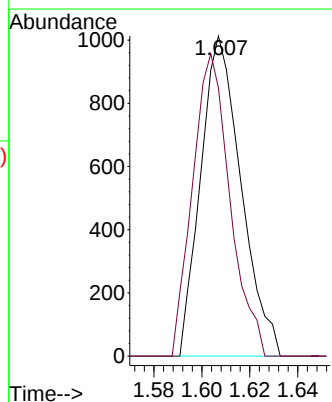
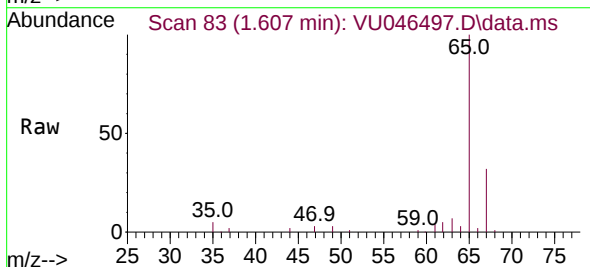
Instrument :
 MSVOA_U
 ClientSampleId :

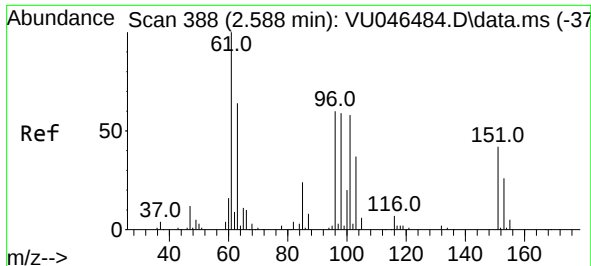
Tgt Ion: 62 Resp: 2035
 Ion Ratio Lower Upper
 62 100
 64 54.9 22.9 42.5#



#8
 Chloroethane
 Concen: 1.515 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.334 min
 Lab File: VU046497.D
 Acq: 19 Dec 2021 16:08

Tgt Ion: 64 Resp: 1183
 Ion Ratio Lower Upper
 64 100
 66 83.8 22.5 41.9#

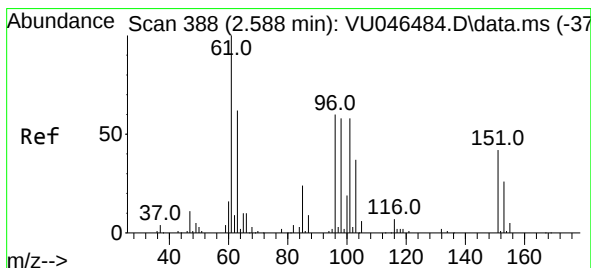
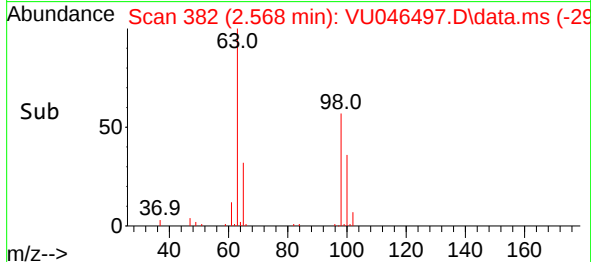
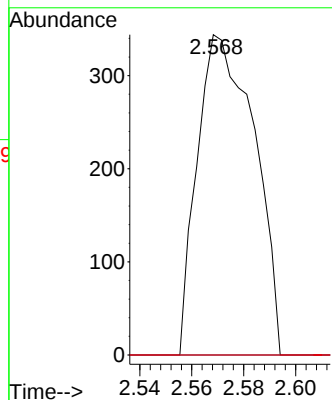
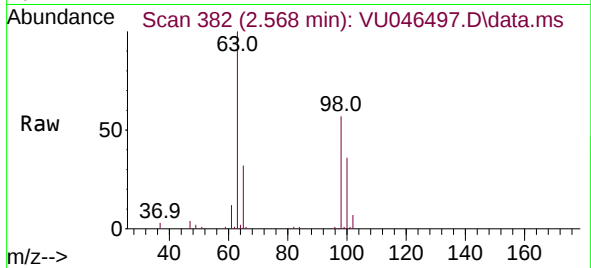




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.524 ug/L
 RT: 2.568 min Scan# 31
 Delta R.T. -0.019 min
 Lab File: VU046497.D
 Acq: 19 Dec 2021 16:08

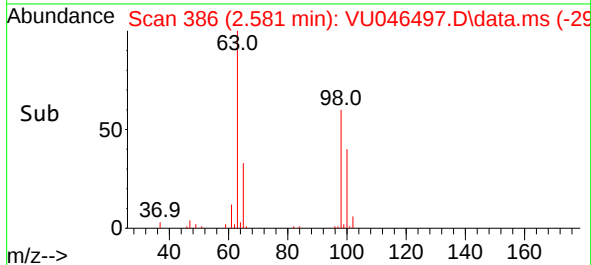
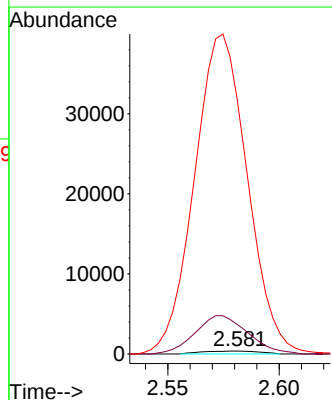
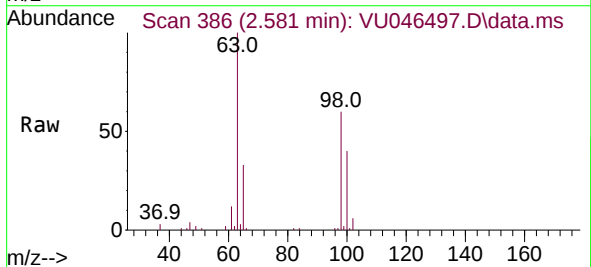
Instrument :
 MSVOA_U
 ClientSampleId :

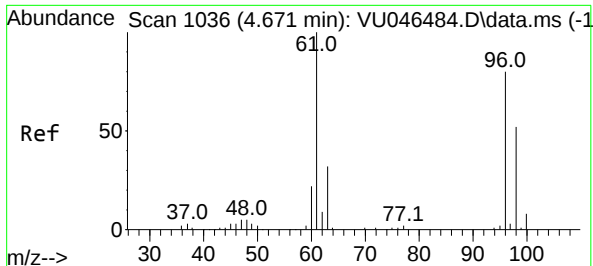
Tgt Ion:101 Resp: 524
 Ion Ratio Lower Upper
 101 100
 85 0.0 35.1 52.7#
 151 0.0 56.7 85.1#



#12
 1,1-Dichloroethene
 Concen: 0.697 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.006 min
 Lab File: VU046497.D
 Acq: 19 Dec 2021 16:08

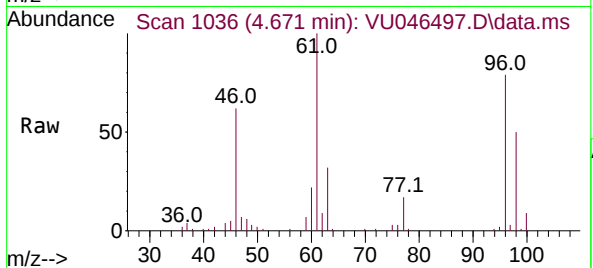
Tgt Ion: 96 Resp: 662
 Ion Ratio Lower Upper
 96 100
 61 1012.3 118.6 220.2#
 63 8697.3 93.0 172.8#



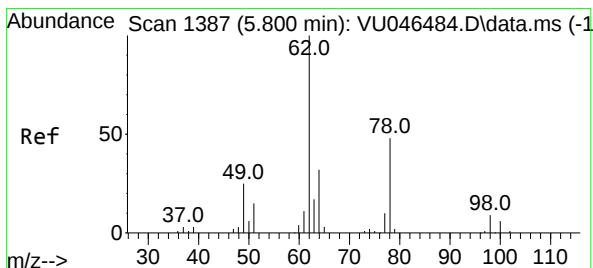
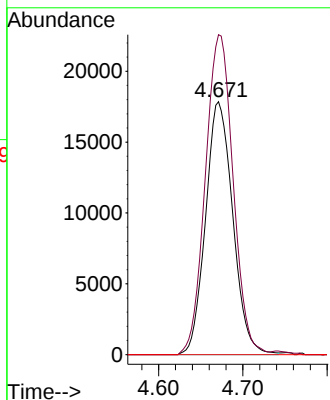
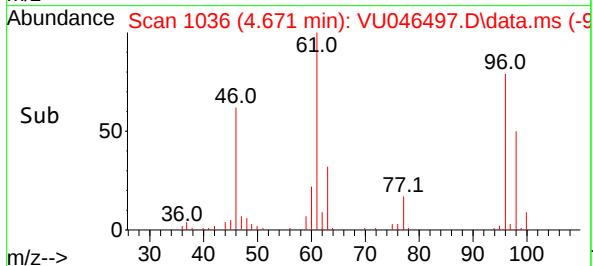


#20
 cis-1,2-Dichloroethene
 Concen: 36.809 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VU046497.D
 Acq: 19 Dec 2021 16:08

Instrument :
 MSVOA_U
 ClientSampleId :

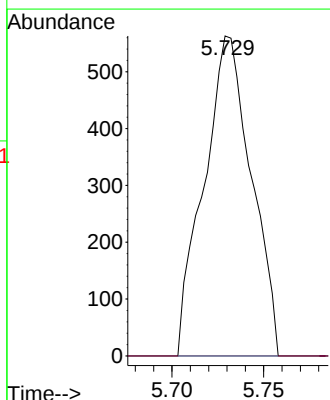
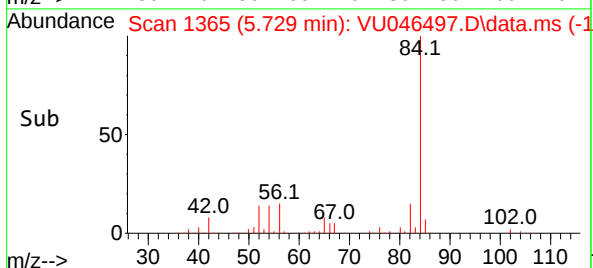
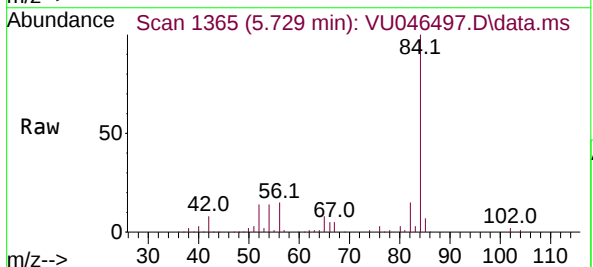


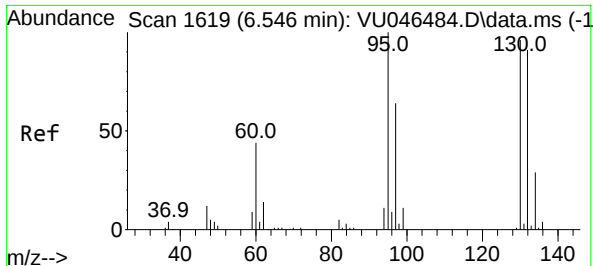
Tgt Ion: 96 Resp: 40162
 Ion Ratio Lower Upper
 96 100
 61 126.5 86.8 161.2
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 0.672 ug/L
 RT: 5.729 min Scan# 1365
 Delta R.T. -0.071 min
 Lab File: VU046497.D
 Acq: 19 Dec 2021 16:08

Tgt Ion: 62 Resp: 1013
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.9 11.9#



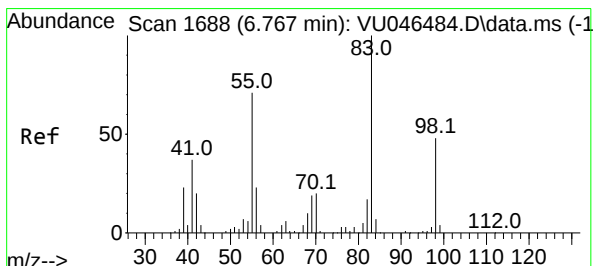
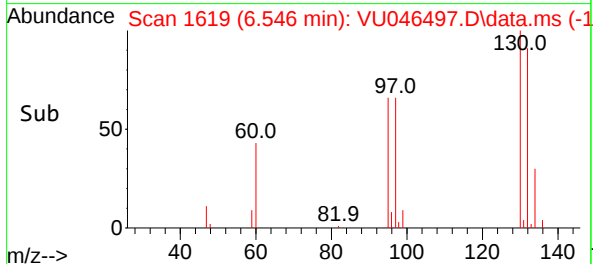
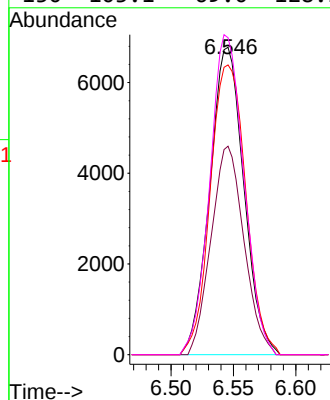
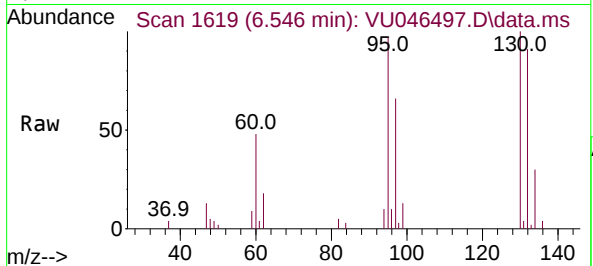


#34
Trichloroethene
Concen: 11.672 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU046497.D
Acq: 19 Dec 2021 16:08

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 12886

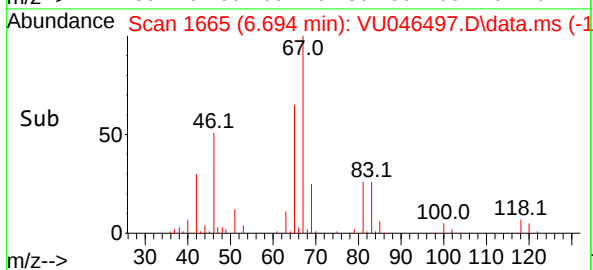
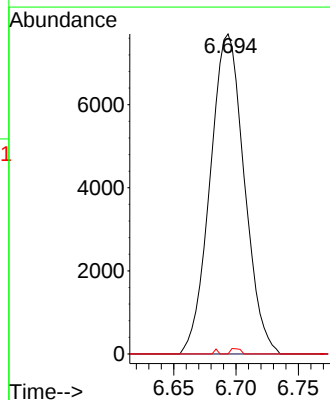
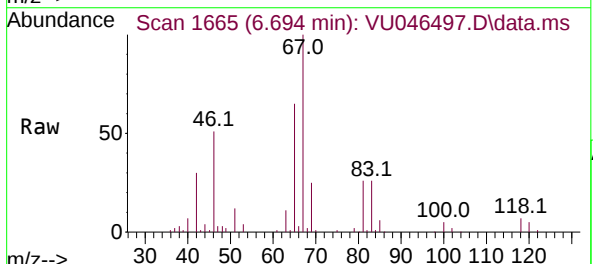
Ion	Ratio	Lower	Upper
95	100		
97	67.8	44.1	81.9
132	94.3	66.8	124.0
130	103.1	69.0	128.1

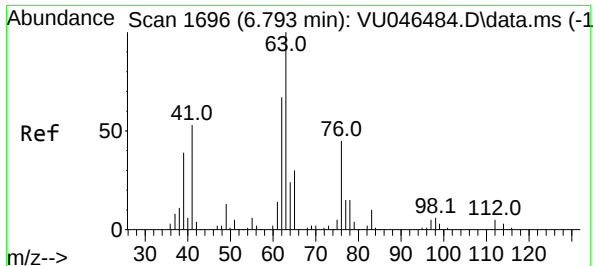


#35
Methylcyclohexane
Concen: 8.593 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU046497.D
Acq: 19 Dec 2021 16:08

Tgt Ion: 83 Resp: 14710

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: 6.057 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046497.D

Acq: 19 Dec 2021 16:08

Instrument :

MSVOA_U

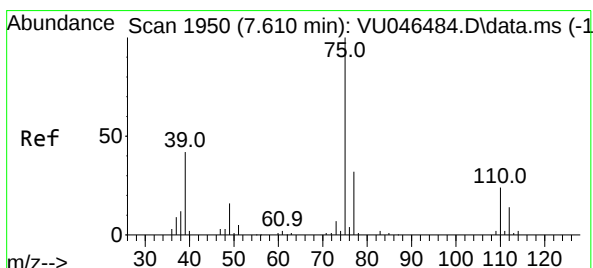
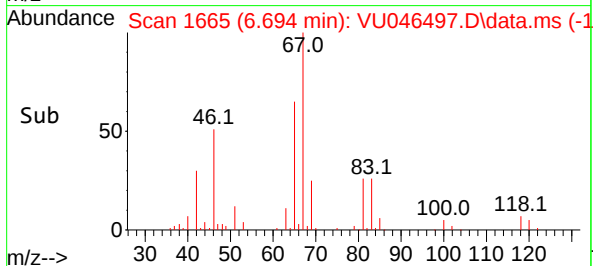
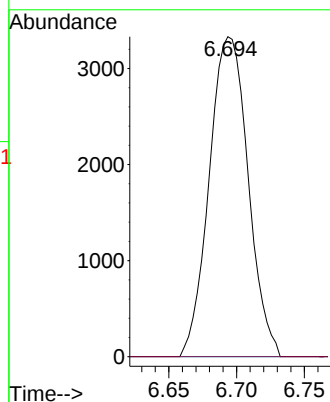
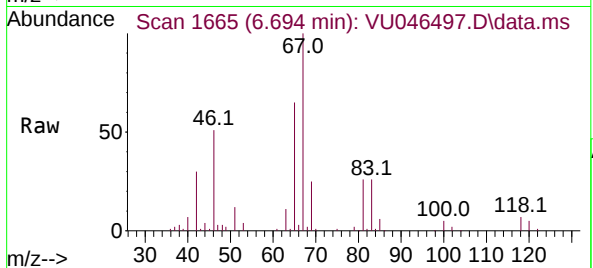
ClientSampleId :

Tgt Ion: 63 Resp: 6649

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 1.010 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU046497.D

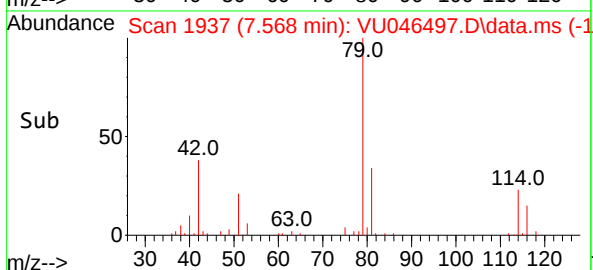
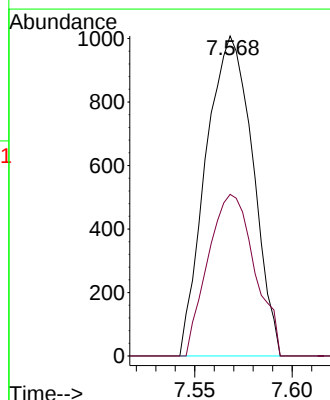
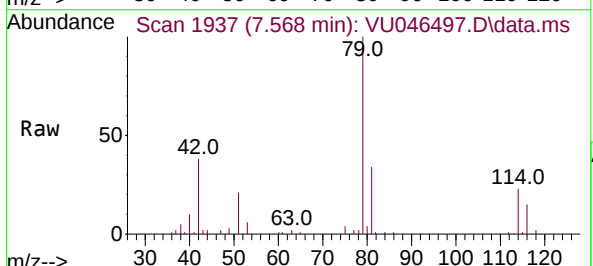
Acq: 19 Dec 2021 16:08

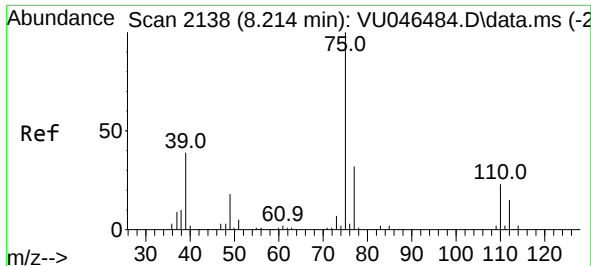
Tgt Ion: 75 Resp: 1687

Ion Ratio Lower Upper

75 100

77 50.5 21.8 40.6#

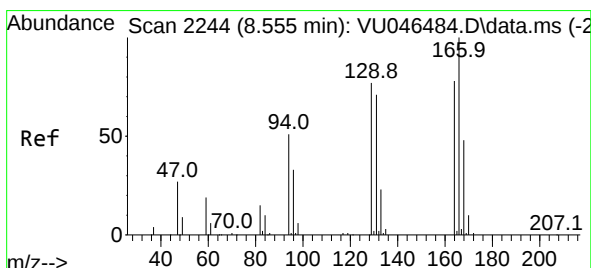
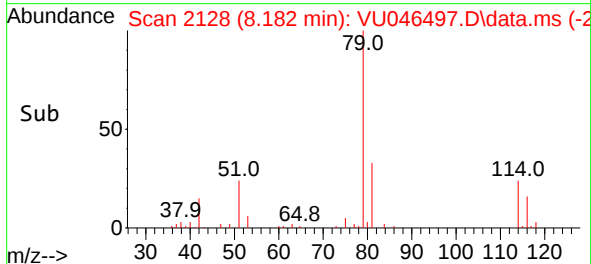
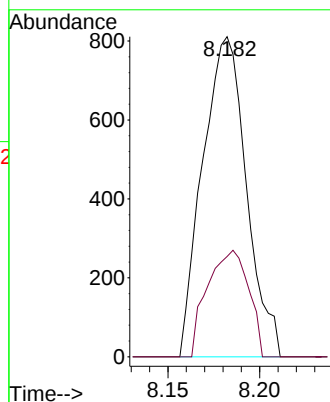
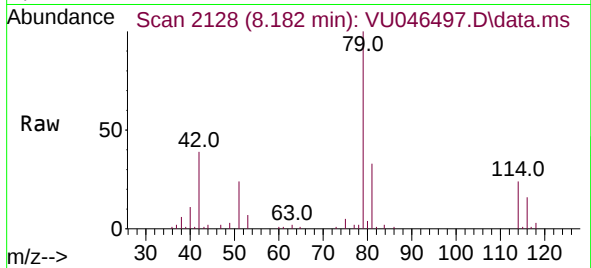




#44
trans-1,3-Dichloropropene
Concen: 0.820 ug/L
RT: 8.182 min Scan# 2138
Delta R.T. -0.032 min
Lab File: VU046497.D
Acq: 19 Dec 2021 16:08

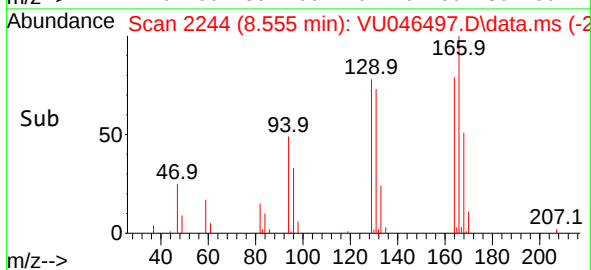
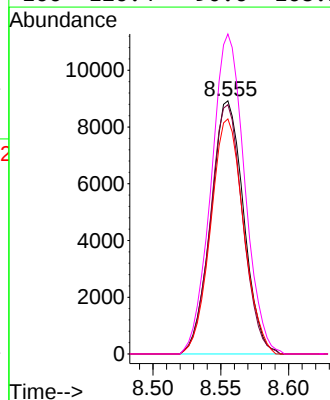
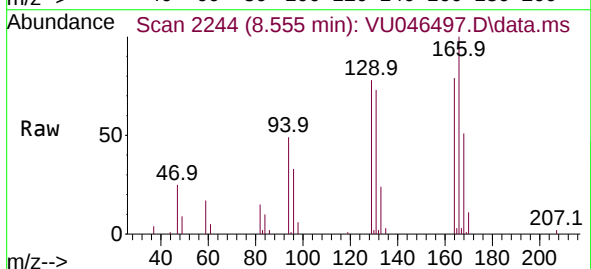
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MSVOA_U
ClientSampleId :

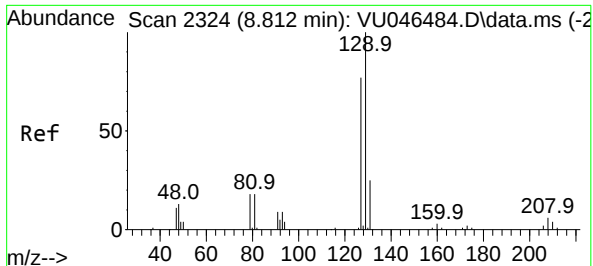
Tgt Ion: 75 Resp: 1345
Ion Ratio Lower Upper
75 100
77 31.3 21.7 40.3



#46
Tetrachloroethene
Concen: 18.466 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046497.D
Acq: 19 Dec 2021 16:08

Tgt Ion: 164 Resp: 14982
Ion Ratio Lower Upper
164 100
129 98.5 71.1 132.1
131 92.8 67.8 126.0
166 126.4 90.6 168.2





#49

Dibromochloromethane

Concen: 12.554 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU046497.D

Acq: 19 Dec 2021 16:08

Instrument :

MSVOA_U

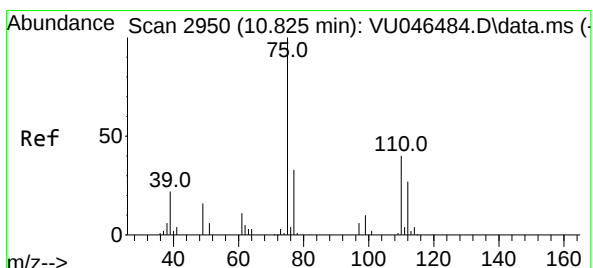
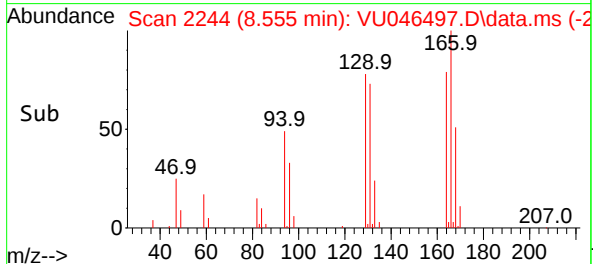
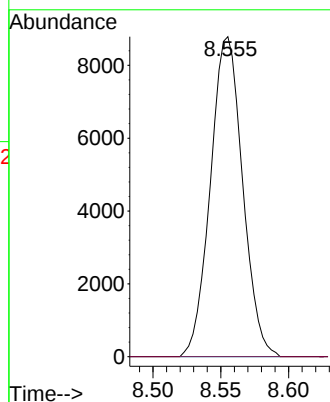
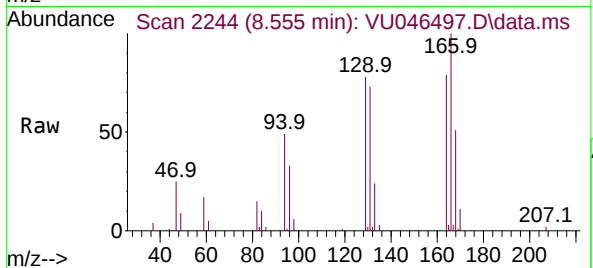
ClientSampleId :

Tgt Ion:129 Resp: 14520

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



#60

1,2,3-Trichloropropane

Concen: 5.676 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046497.D

Acq: 19 Dec 2021 16:08

Tgt Ion: 75 Resp: 8265

Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6

110 1.6 32.4 48.6#

