

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045225.D
 Acq On : 07 Oct 2021 22:16
 Operator : SY/MD
 Sample : M4023-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 08 02:12:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 22:18:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	291829	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	283091	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	121659	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	132771	41.560	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.120%
7) Chloroethane-d5	1.887	69	106390	42.025	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.060%
11) 1,1-Dichloroethene-d2	2.559	63	167734	31.265	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.520%
21) 2-Butanone-d5	4.629	46	202745	80.275	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.280%
24) Chloroform-d	5.067	84	205827	40.793	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.580%
26) 1,2-Dichloroethane-d4	5.707	65	146246	42.790	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.580%
32) Benzene-d6	5.729	84	433359	44.116	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.240%
36) 1,2-Dichloropropane-d6	6.694	67	136551	42.632	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.260%
41) Toluene-d8	7.903	98	369214	43.554	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.100%
43) trans-1,3-Dichloroprop...	8.182	79	53778	37.745	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.480%
47) 2-Hexanone-d5	8.636	63	144321	81.307	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	81.310%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	211877	42.480	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.960%
66) 1,2-Dichlorobenzene-d4	12.198	152	127506	48.158	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.320%

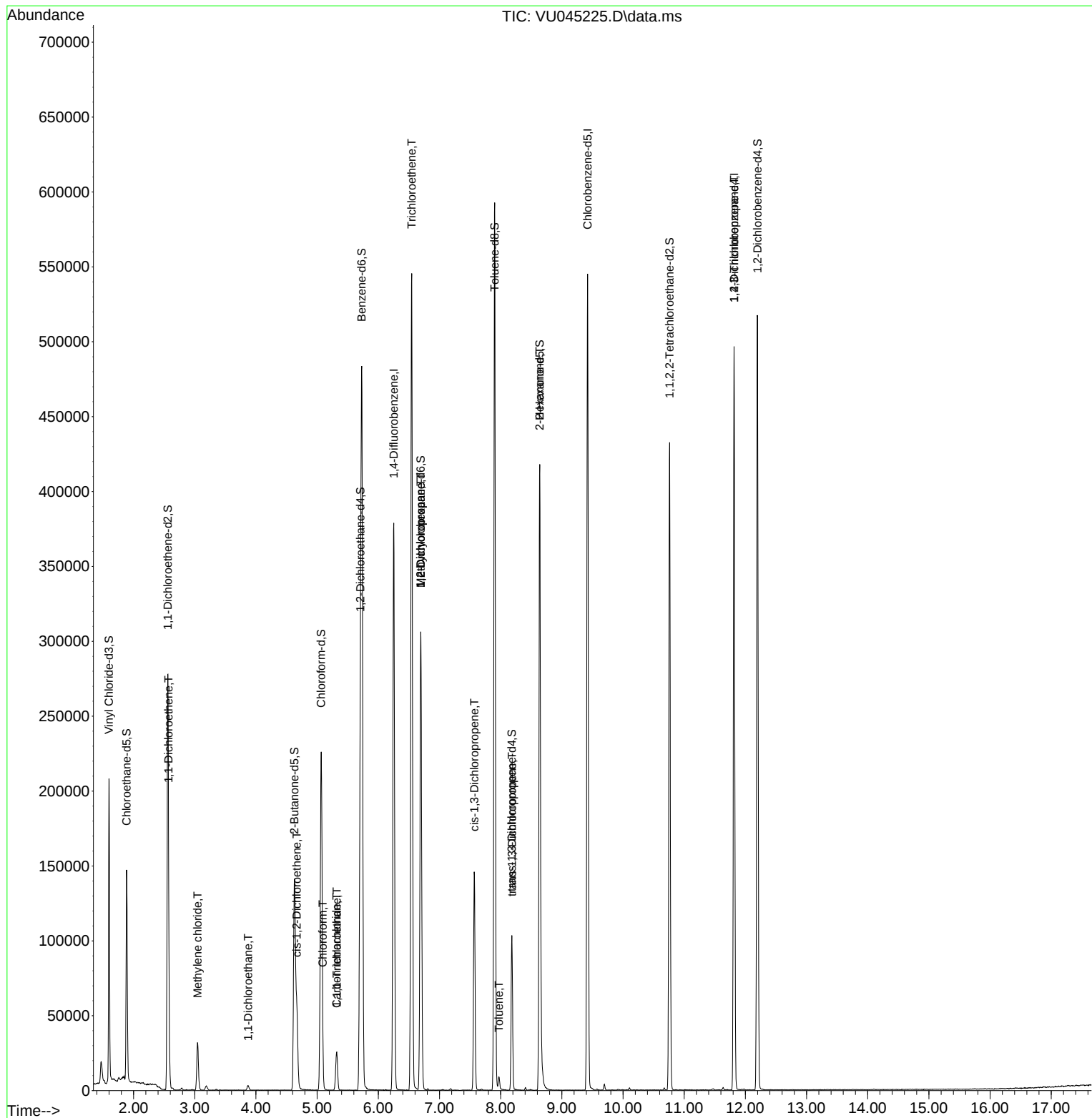
Target Compounds					Qvalue
12) 1,1-Dichloroethene	2.572	96	9264	4.099 ug/L	# 1
16) Methylene chloride	3.044	84	15388	5.375 ug/L	94
19) 1,1-Dichloroethane	3.871	63	3967	0.801 ug/L	98
20) cis-1,2-Dichloroethene	4.668	96	22933	8.742 ug/L	93
25) Chloroform	5.092	83	2262	0.459 ug/L	78
30) 1,1,1-Trichloroethane	5.321	97	18150	4.632 ug/L	99
31) Carbon tetrachloride	5.317	117	2069	0.668 ug/L	97
34) Trichloroethene	6.546	95	186489	73.947 ug/L	99
35) Methylcyclohexane	6.694	83	32170	7.619 ug/L	# 17
37) 1,2-Dichloropropane	6.694	63	16154	5.651 ug/L	# 88
39) cis-1,3-Dichloropropene	7.571	75	3751	0.917 ug/L	# 67
42) Toluene	7.973	91	5890	0.552 ug/L	95
44) trans-1,3-Dichloropropene	8.185	75	2700	0.694 ug/L	94
48) 2-Hexanone	8.639	43	17689	4.177 ug/L	# 74
60) 1,2,3-Trichloropropane	11.816	75	16266	4.834 ug/L	# 69

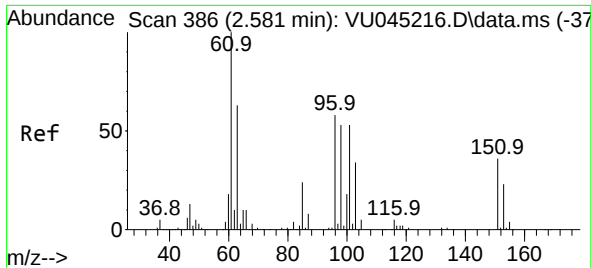
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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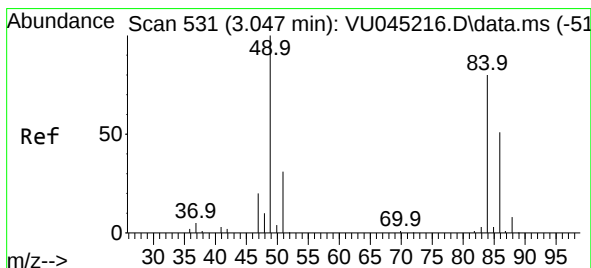
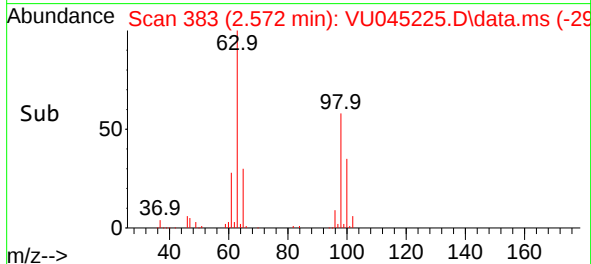
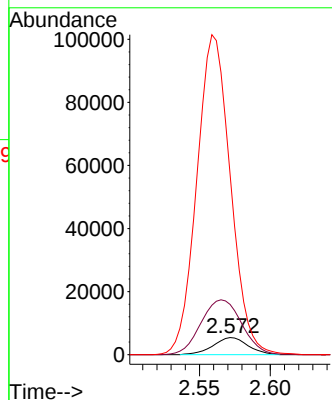
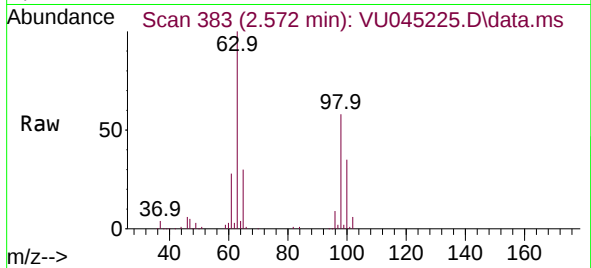




#12
1,1-Dichloroethene
Concen: 4.099 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.010 min
Lab File: VU045225.D
Acq: 07 Oct 2021 22:16

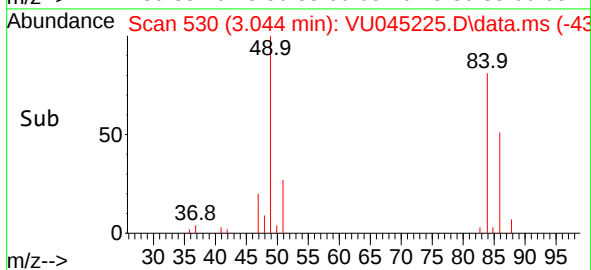
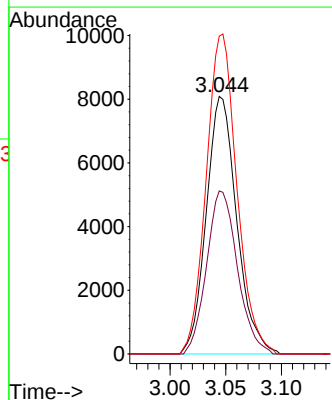
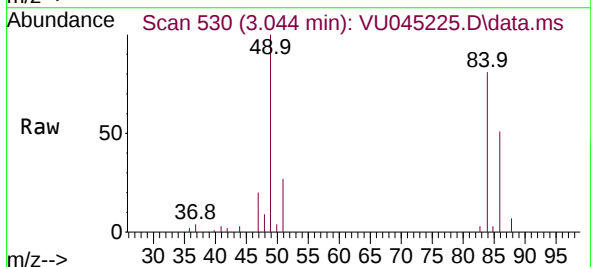
Instrument :
MSVOA_U
ClientSampled :

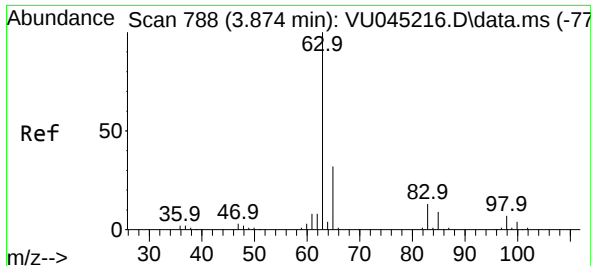
Tgt Ion: 96 Resp: 9264
Ion Ratio Lower Upper
96 100
61 293.9 131.3 243.9#
63 1053.0 102.5 190.3#



#16
Methylene chloride
Concen: 5.375 ug/L
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU045225.D
Acq: 07 Oct 2021 22:16

Tgt Ion: 84 Resp: 15388
Ion Ratio Lower Upper
84 100
86 63.3 44.7 83.1
49 123.4 92.9 172.5





#19

1,1-Dichloroethane

Concen: 0.801 ug/L

RT: 3.871 min Scan# 787

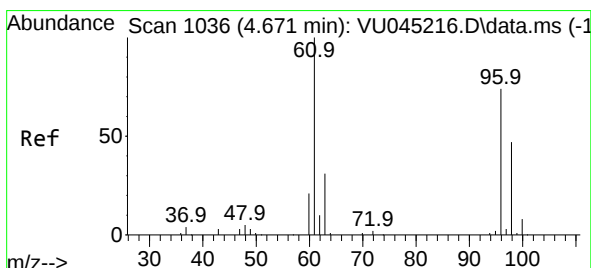
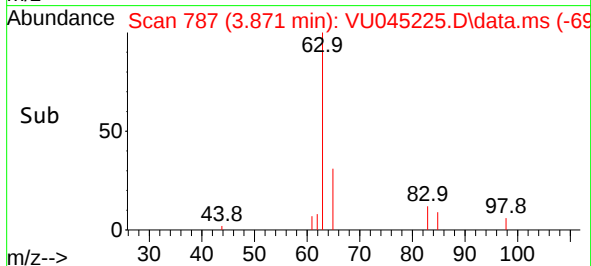
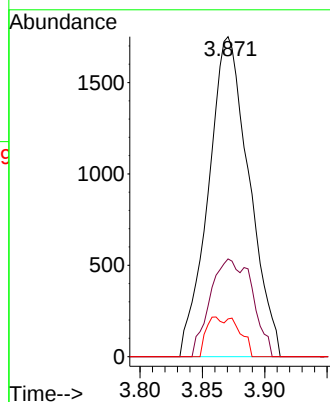
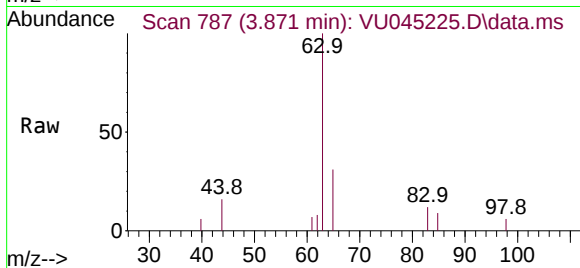
Delta R.T. -0.003 min

Lab File: VU045225.D

Acq: 07 Oct 2021 22:16

Tgt Ion:	63	Resp:	3967
Ion	Ratio	Lower	Upper
63	100		
65	30.6	22.0	40.8
83	11.8	9.0	16.6

Instrument :
MSVOA_U
ClientSampleId :



#20

cis-1,2-Dichloroethene

Concen: 8.742 ug/L

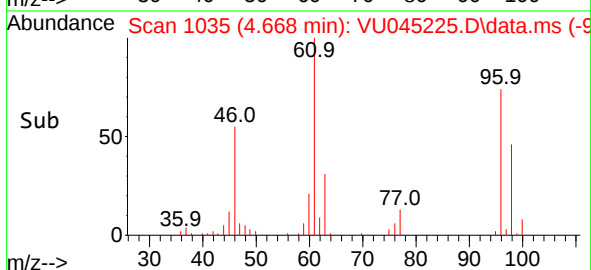
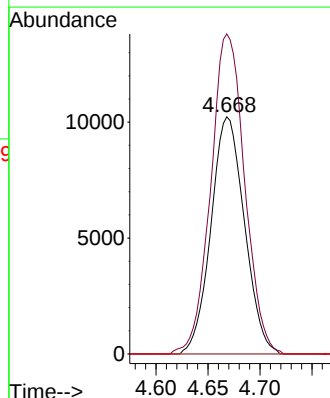
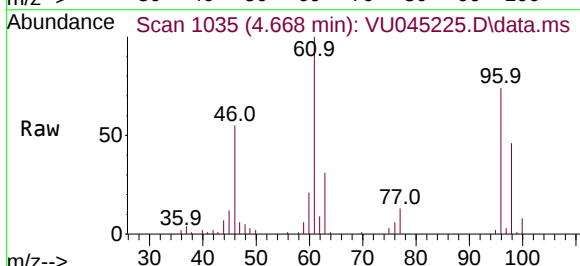
RT: 4.668 min Scan# 1035

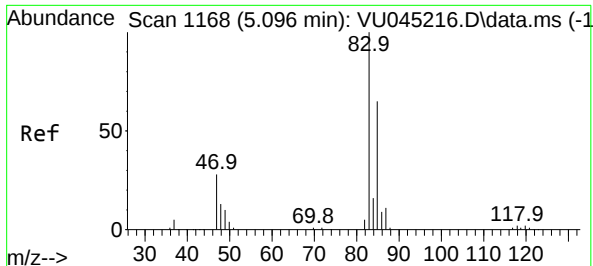
Delta R.T. -0.003 min

Lab File: VU045225.D

Acq: 07 Oct 2021 22:16

Tgt Ion:	96	Resp:	22933
Ion	Ratio	Lower	Upper
96	100		
61	134.9	100.2	186.0
68	0.0	0.0	0.0





#25

Chloroform

Concen: 0.459 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU045225.D

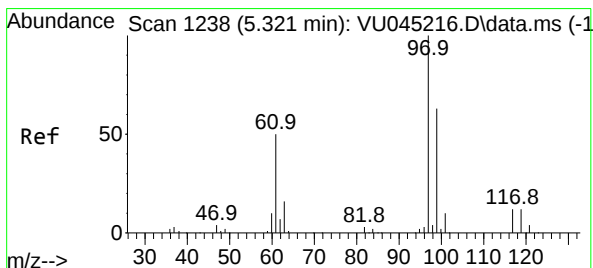
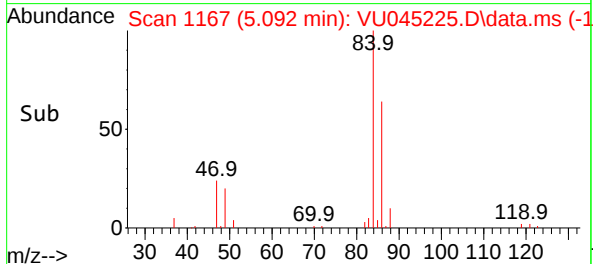
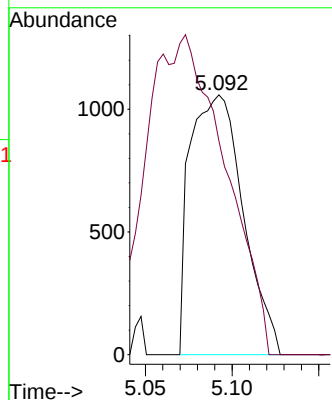
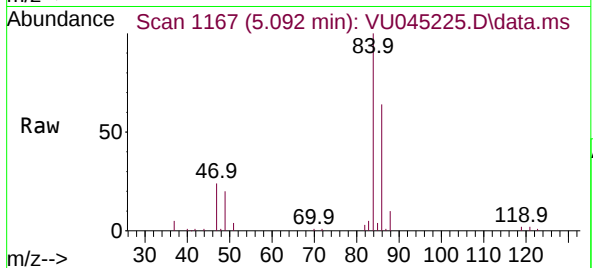
Acq: 07 Oct 2021 22:16

Tgt Ion: 83 Resp: 2262

Ion Ratio Lower Upper

83 100

85 82.2 45.6 84.6



#30

1,1,1-Trichloroethane

Concen: 4.632 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU045225.D

Acq: 07 Oct 2021 22:16

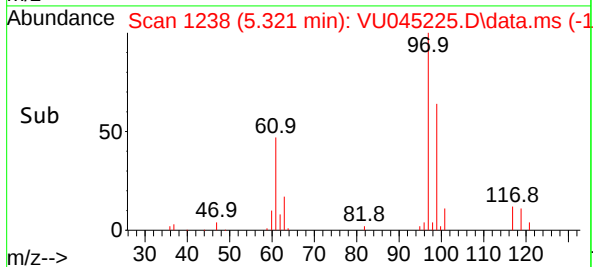
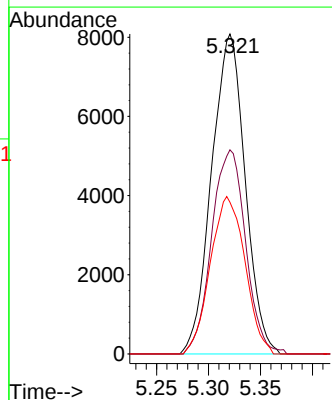
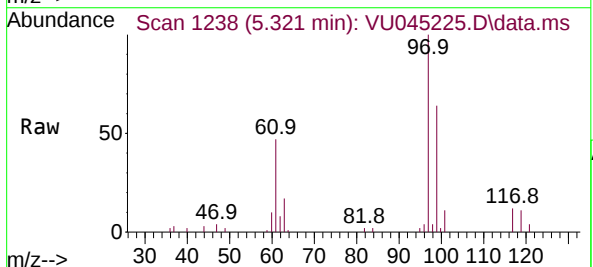
Tgt Ion: 97 Resp: 18150

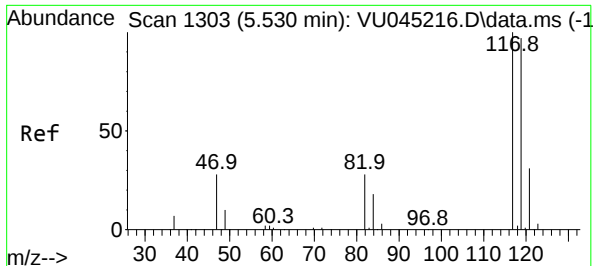
Ion Ratio Lower Upper

97 100

99 64.5 50.6 75.8

61 50.9 41.3 61.9

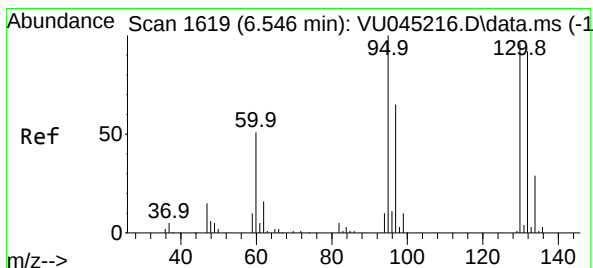
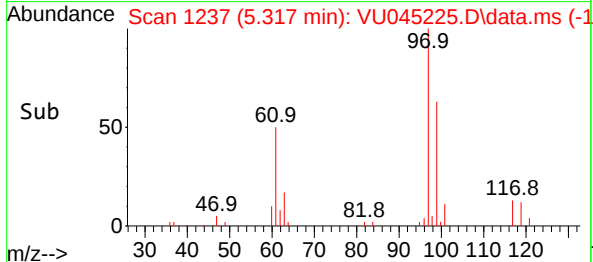
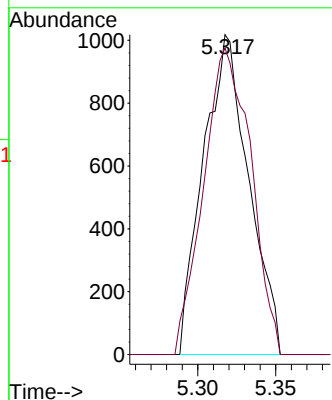
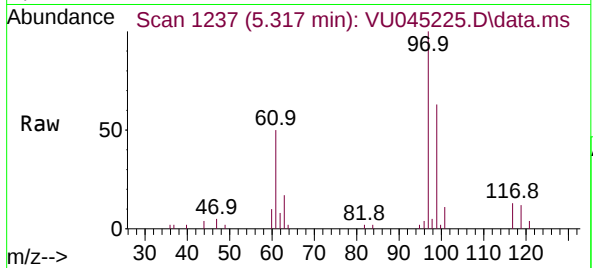




#31
Carbon tetrachloride
Concen: 0.668 ug/L
RT: 5.317 min Scan# 1237
Delta R.T. -0.212 min
Lab File: VU045225.D
Acq: 07 Oct 2021 22:16

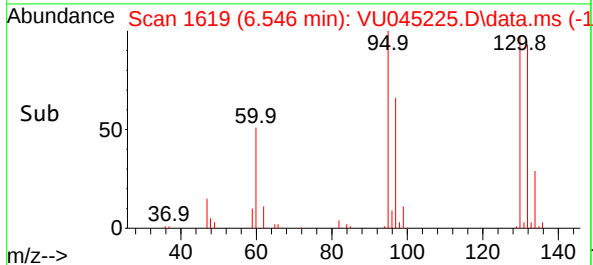
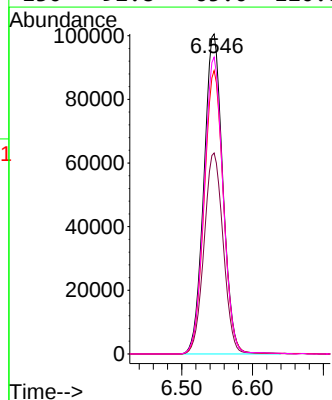
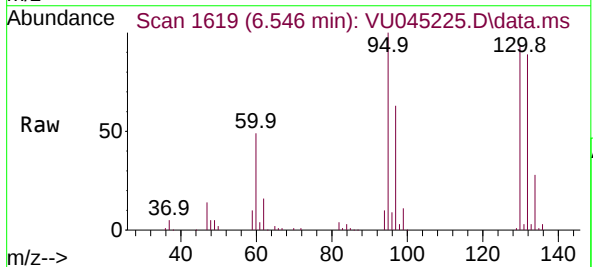
Instrument :
MSVOA_U
ClientSampleId :

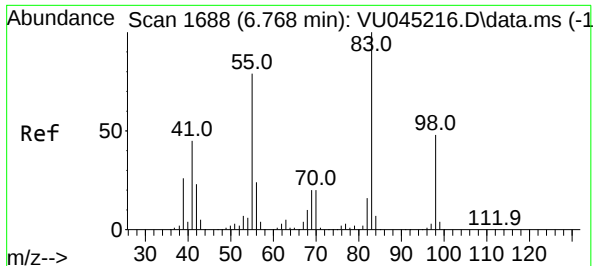
Tgt Ion:117 Resp: 2069
Ion Ratio Lower Upper
117 100
119 99.7 77.7 116.5



#34
Trichloroethene
Concen: 73.947 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045225.D
Acq: 07 Oct 2021 22:16

Tgt Ion: 95 Resp: 186489
Ion Ratio Lower Upper
95 100
97 62.8 44.4 82.4
132 88.6 62.9 116.9
130 92.8 65.0 120.8





#35

Methylcyclohexane

Concen: 7.619 ug/L

RT: 6.694 min Scan# 1665

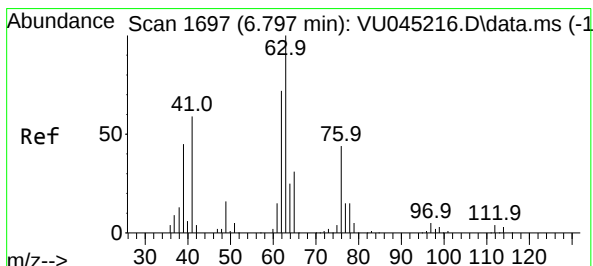
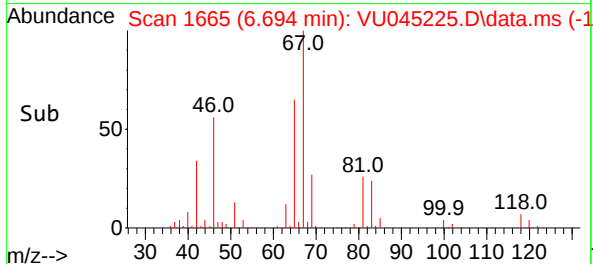
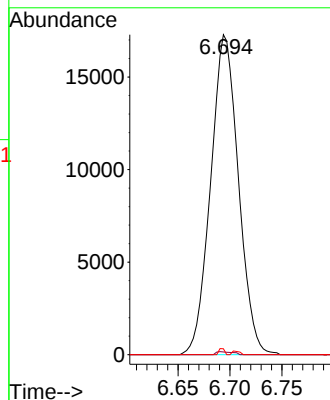
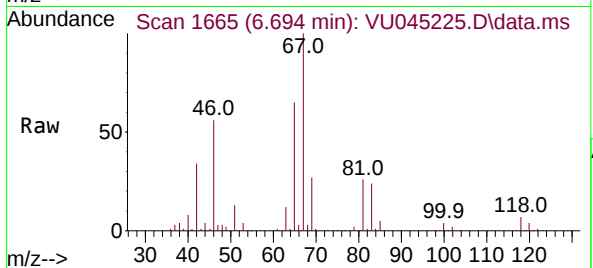
Delta R.T. -0.074 min

Lab File: VU045225.D

Acq: 07 Oct 2021 22:16

Tgt Ion:	83	Resp:	32170
Ion Ratio	Lower	Upper	
83	100		
55	0.5	65.8	98.6#
98	0.4	37.1	55.7#

Instrument :
MSVOA_U
ClientSampleId :



#37

1,2-Dichloropropane

Concen: 5.651 ug/L

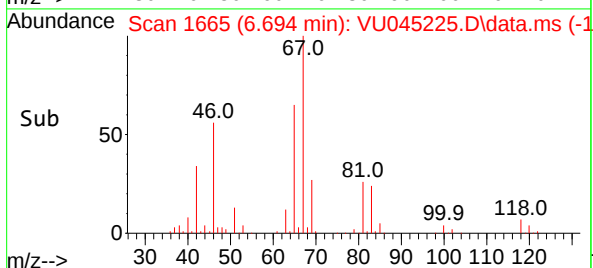
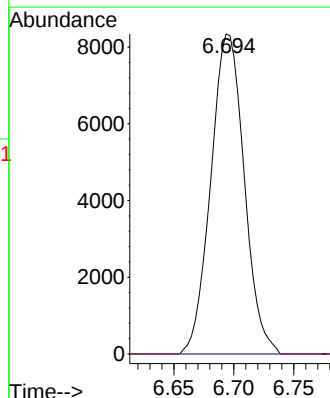
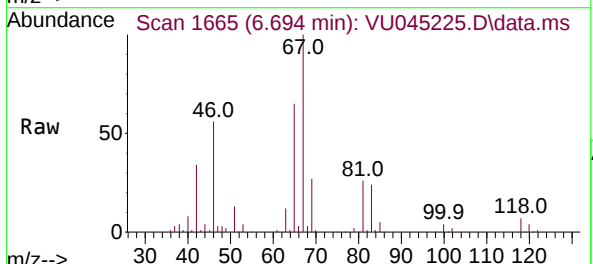
RT: 6.694 min Scan# 1665

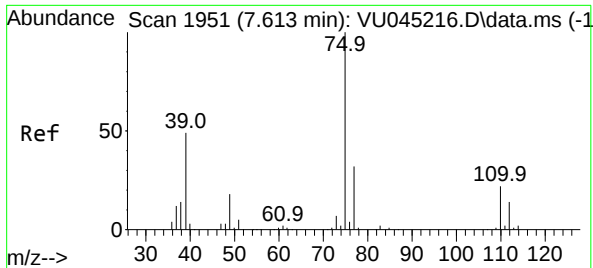
Delta R.T. -0.103 min

Lab File: VU045225.D

Acq: 07 Oct 2021 22:16

Tgt Ion:	63	Resp:	16154
Ion Ratio	Lower	Upper	
63	100		
112	0.0	3.2	4.8#



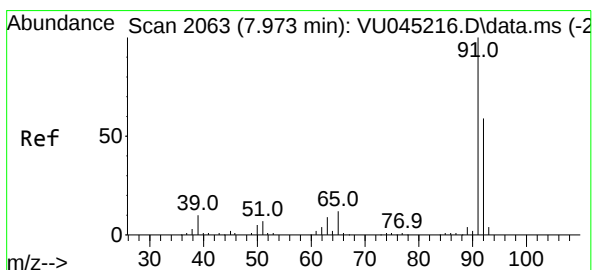
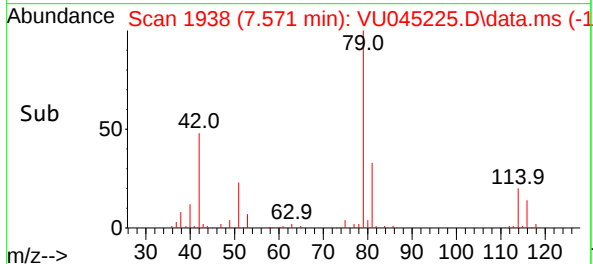
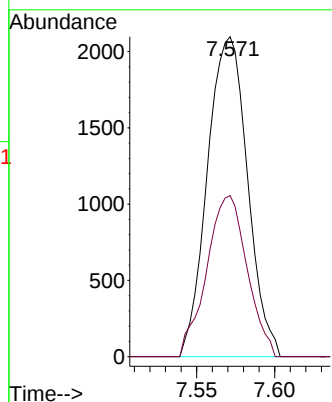
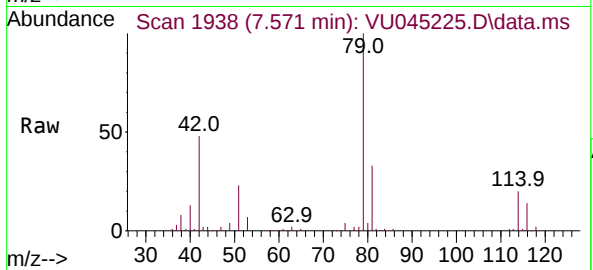


#39

cis-1,3-Dichloropropene
Concen: 0.917 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU045225.D
Acq: 07 Oct 2021 22:16

Instrument :
MSVOA_U
ClientSampled :

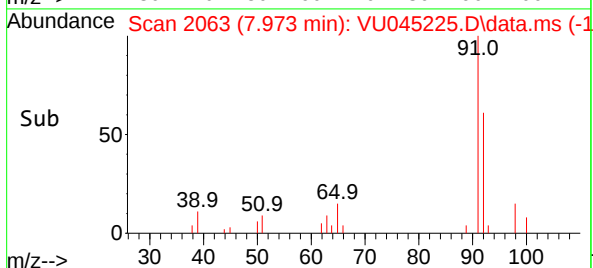
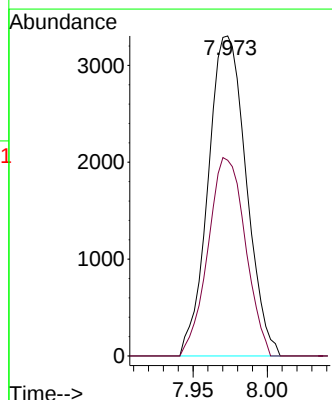
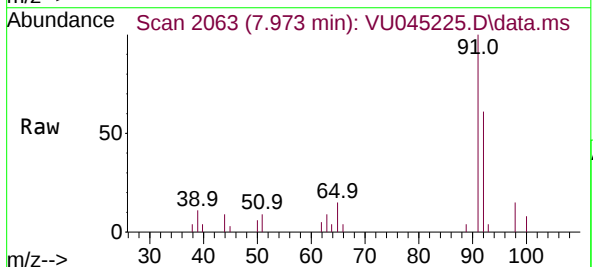
Tgt Ion: 75 Resp: 3751
Ion Ratio Lower Upper
75 100
77 50.3 22.4 41.6#

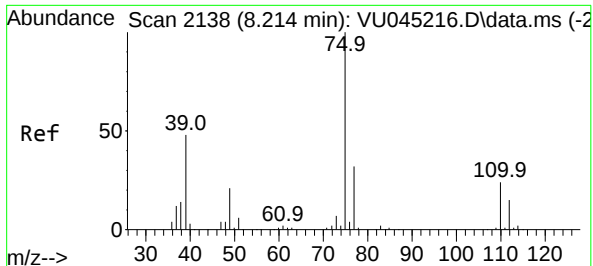


#42

Toluene
Concen: 0.552 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045225.D
Acq: 07 Oct 2021 22:16

Tgt Ion: 91 Resp: 5890
Ion Ratio Lower Upper
91 100
92 61.2 40.5 75.1



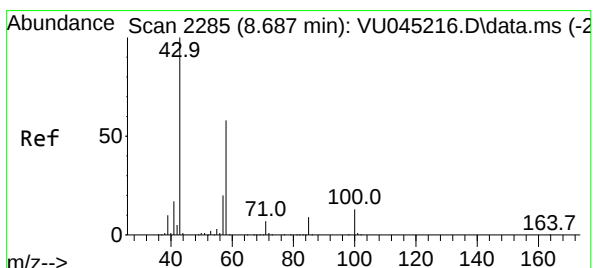
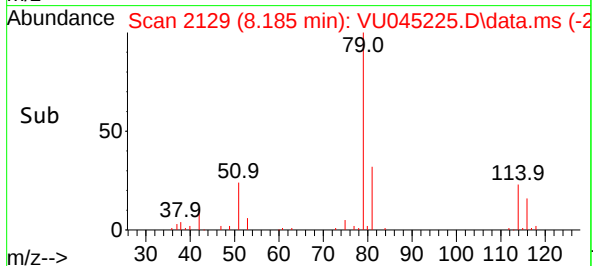
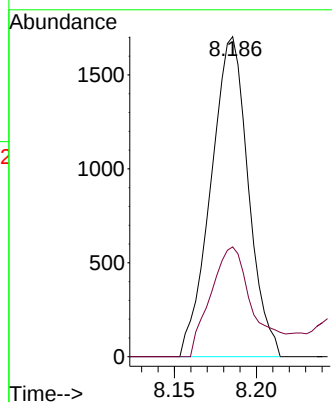
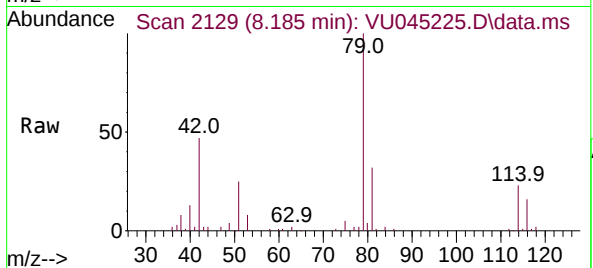


#44

trans-1,3-Dichloropropene
Concen: 0.694 ug/L
RT: 8.185 min Scan# 2129
Delta R.T. -0.029 min
Lab File: VU045225.D
Acq: 07 Oct 2021 22:16

Instrument :
MSVOA_U
ClientSampled :

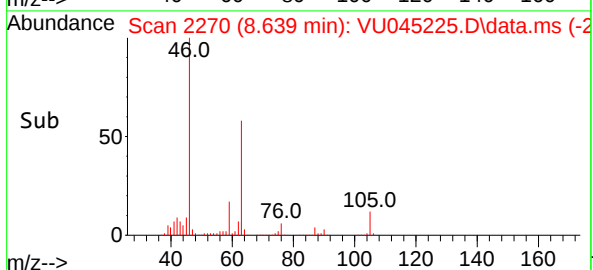
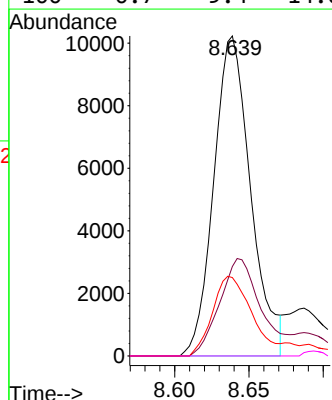
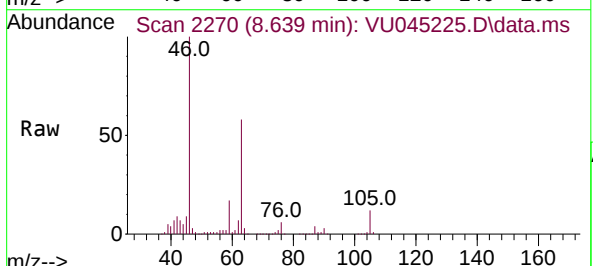
Tgt Ion: 75 Resp: 2700
Ion Ratio Lower Upper
75 100
77 34.3 21.7 40.3

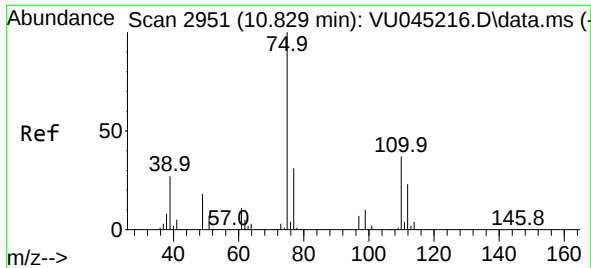


#48

2-Hexanone
Concen: 4.177 ug/L
RT: 8.639 min Scan# 2270
Delta R.T. -0.048 min
Lab File: VU045225.D
Acq: 07 Oct 2021 22:16

Tgt Ion: 43 Resp: 17689
Ion Ratio Lower Upper
43 100
58 34.4 44.9 67.3#
57 26.5 15.5 23.3#
100 0.7 9.4 14.0#





#60
 1,2,3-Trichloropropane
 Concen: 4.834 ug/L
 RT: 11.816 min Scan# 3258
 Delta R.T. 0.987 min
 Lab File: VU045225.D
 Acq: 07 Oct 2021 22:16

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion: 75	Resp:	16266
Ion Ratio	Lower	Upper
75	100	
77	31.6	25.5 38.3
110	1.9	29.0 43.4#

