

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045202.D
 Acq On : 07 Oct 2021 11:19
 Operator : SY/MD
 Sample : M4023-12 25X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 07 21:36:16 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 07 21:34:31 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	302881	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	287396	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	126325	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	118005	35.590	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.180%
7) Chloroethane-d5	1.896	69	100090	38.094	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.180%
11) 1,1-Dichloroethene-d2	2.565	63	177461	31.871	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.740%
21) 2-Butanone-d5	4.626	46	195899	74.734	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.730%
24) Chloroform-d	5.067	84	200822	38.349	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	76.700%
26) 1,2-Dichloroethane-d4	5.707	65	143135	40.352	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.700%
32) Benzene-d6	5.732	84	422547	42.371	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.740%
36) 1,2-Dichloropropane-d6	6.694	67	134111	41.243	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.480%
41) Toluene-d8	7.899	98	371740	43.195	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.380%
43) trans-1,3-Dichloroprop...	8.182	79	57952	40.065	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.120%
47) 2-Hexanone-d5	8.636	63	142735	79.209	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.210%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	205401	40.565	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	81.120%
66) 1,2-Dichlorobenzene-d4	12.195	152	128659	46.799	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	4433	1.252	ug/L #	1
12) 1,1-Dichloroethene	2.578	96	33690	14.364	ug/L #	61
16) Methylene chloride	3.048	84	25880	8.709	ug/L	93
17) trans-1,2-Dichloroethene	3.356	96	6374	2.580	ug/L	100
19) 1,1-Dichloroethane	3.874	63	20848	4.056	ug/L	97
20) cis-1,2-Dichloroethene	4.671	96	356180	130.824	ug/L	93
25) Chloroform	5.089	83	3566	0.698	ug/L	89
30) 1,1,1-Trichloroethane	5.321	97	160895	40.443	ug/L	98
31) Carbon tetrachloride	5.318	117	19517	6.211	ug/L	96
34) Trichloroethene	6.546	95	348989	136.309	ug/L	98
35) Methylcyclohexane	6.697	83	31584	7.368	ug/L #	17
37) 1,2-Dichloropropane	6.697	63	15729	5.420	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	3687	0.888	ug/L #	68
42) Toluene	7.973	91	6481	0.598	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	1769	0.673	ug/L	82
60) 1,2,3-Trichloropropane	11.816	75	16862	4.826	ug/L #	67

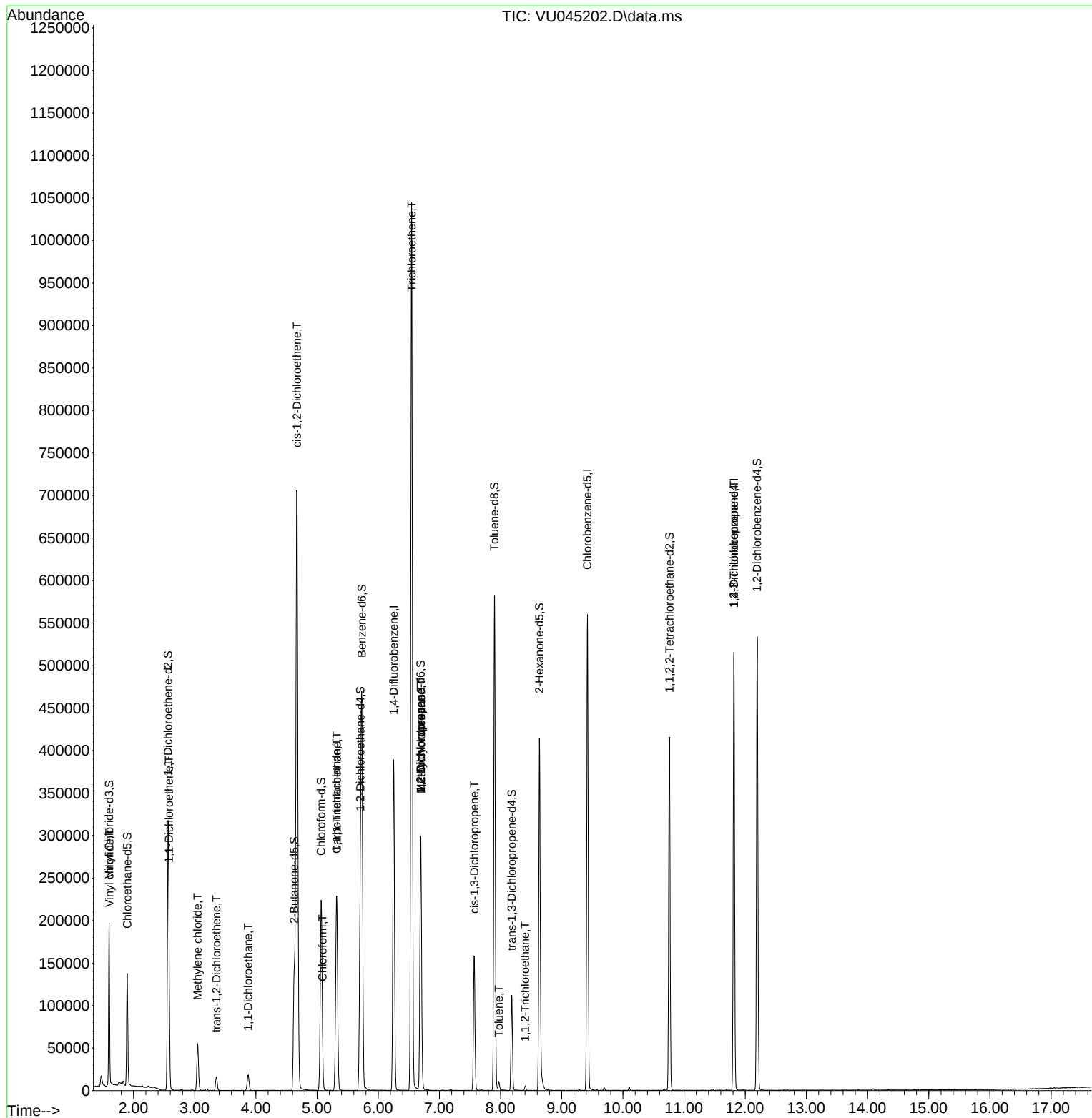
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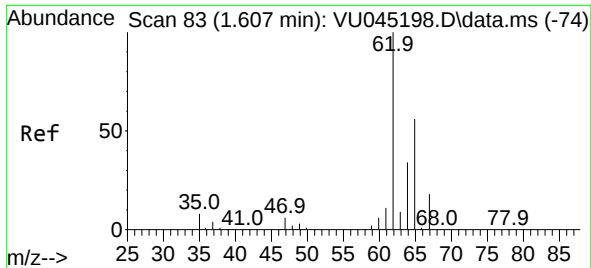
Instrument :
MSVOA_U
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 07 21:34:31 2021
Response via : Initial Calibration

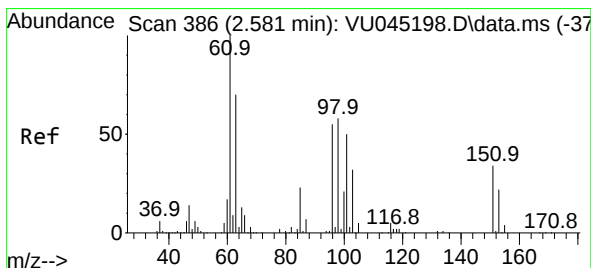
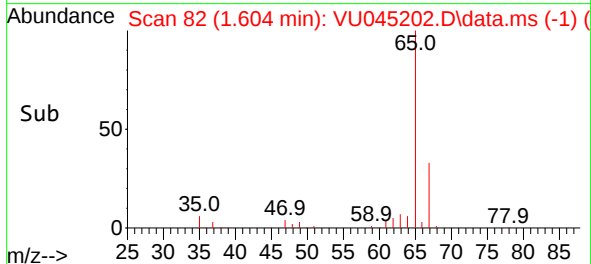
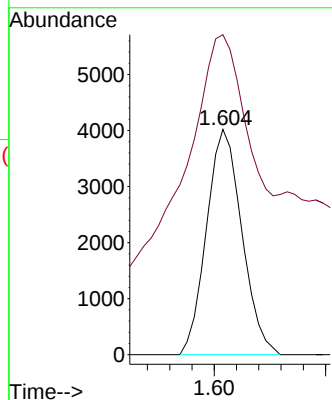
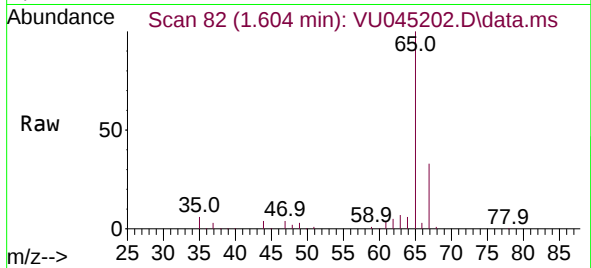




#5
 Vinyl chloride
 Concen: 1.252 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.003 min
 Lab File: VU045202.D
 Acq: 07 Oct 2021 11:19

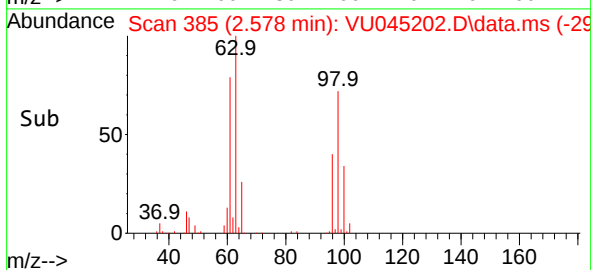
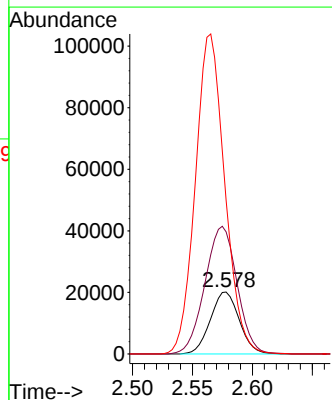
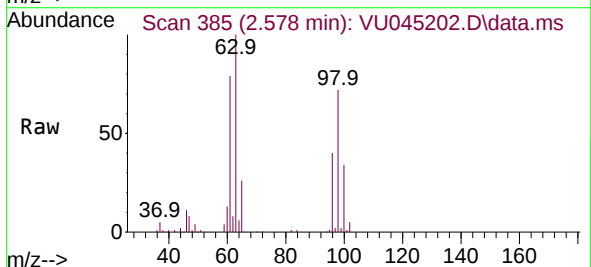
Instrument :
 MSVOA_U
 ClientSampled :

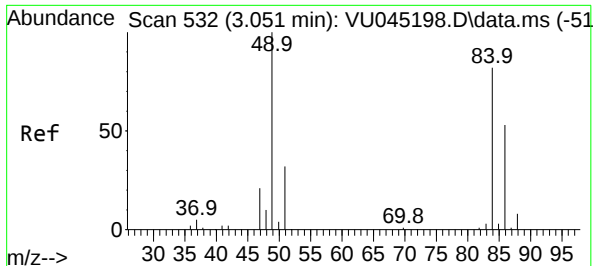
Tgt Ion: 62 Resp: 4433
 Ion Ratio Lower Upper
 62 100
 64 142.1 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 14.364 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.003 min
 Lab File: VU045202.D
 Acq: 07 Oct 2021 11:19

Tgt Ion: 96 Resp: 33690
 Ion Ratio Lower Upper
 96 100
 61 197.2 131.3 243.9
 63 248.3 102.5 190.3#

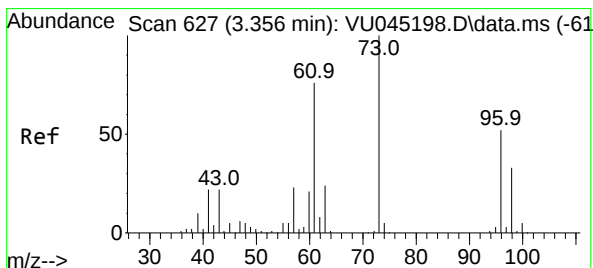
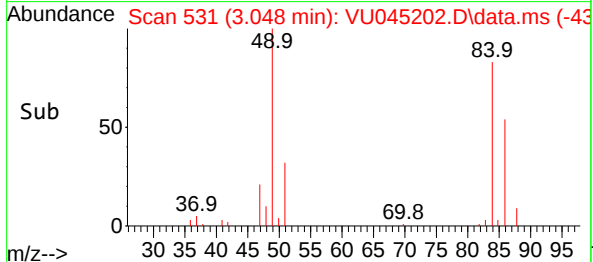
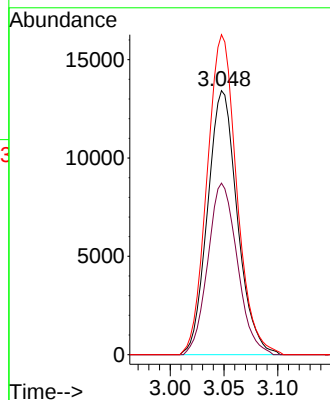
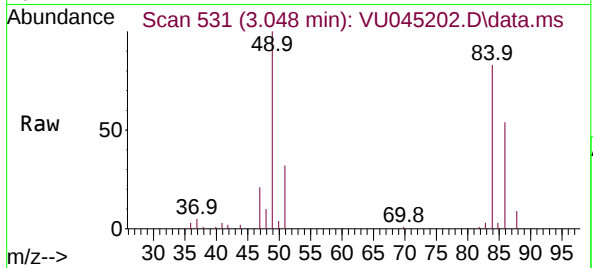




#16
Methylene chloride
Concen: 8.709 ug/L
RT: 3.048 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

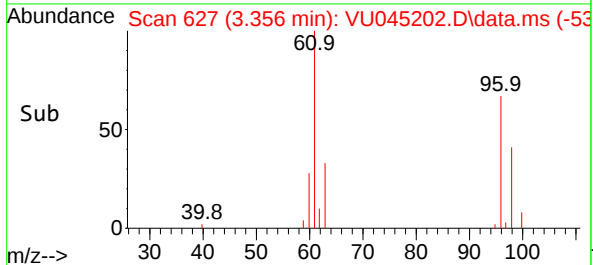
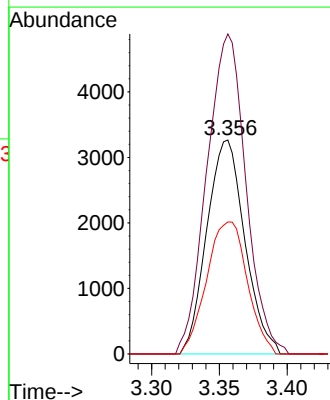
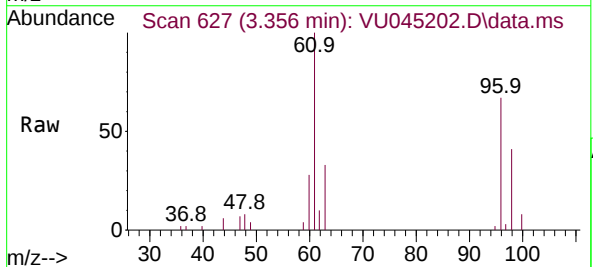
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MSVOA_U
ClientSampleId :

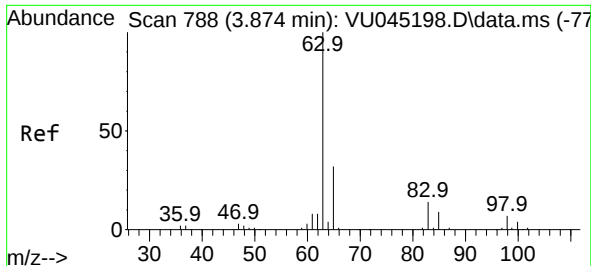
Tgt Ion: 84 Resp: 25880
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 121.2 92.9 172.5



#17
trans-1,2-Dichloroethene
Concen: 2.580 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Tgt Ion: 96 Resp: 6374
Ion Ratio Lower Upper
96 100
61 149.6 105.1 195.3
98 61.7 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.056 ug/L

RT: 3.874 min Scan# 788

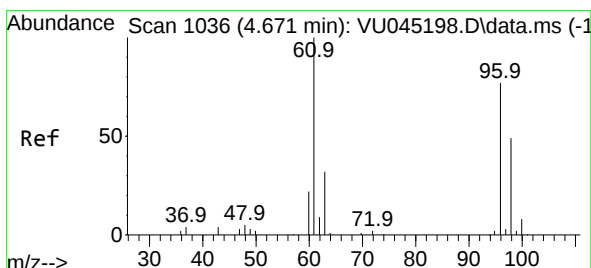
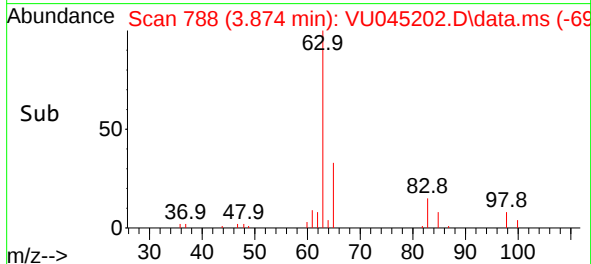
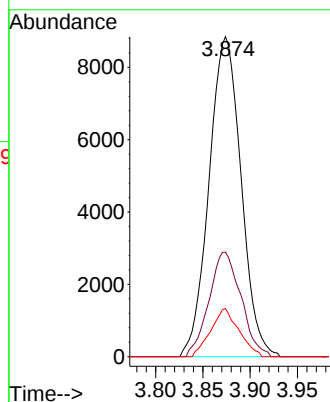
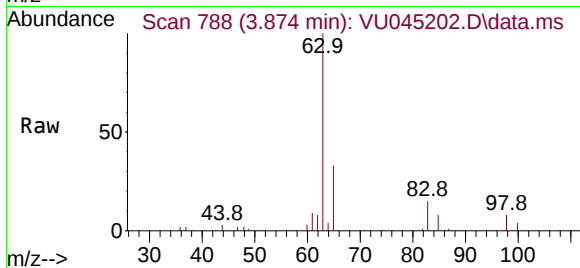
Delta R.T. 0.000 min

Lab File: VU045202.D

Acq: 07 Oct 2021 11:19

Tgt Ion: 63 Resp: 20848

Ion	Ratio	Lower	Upper
63	100		
65	32.7	22.0	40.8
83	15.1	9.0	16.6



#20

cis-1,2-Dichloroethene

Concen: 130.824 ug/L

RT: 4.671 min Scan# 1036

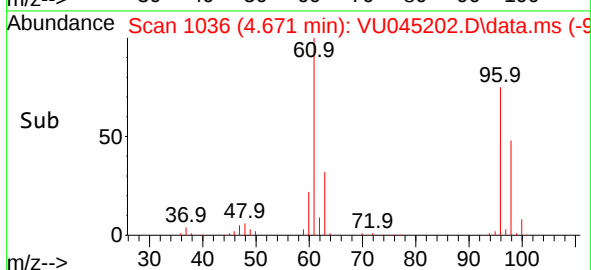
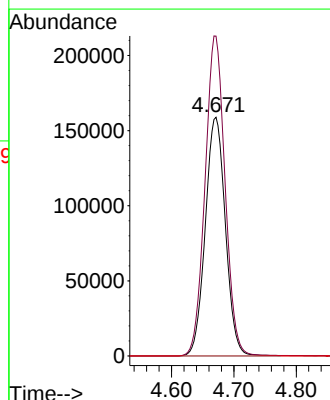
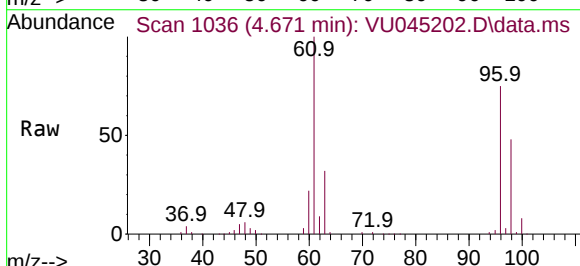
Delta R.T. 0.000 min

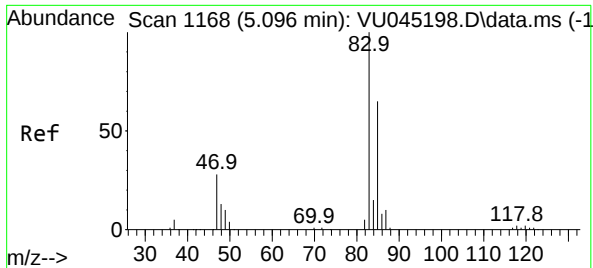
Lab File: VU045202.D

Acq: 07 Oct 2021 11:19

Tgt Ion: 96 Resp: 356180

Ion	Ratio	Lower	Upper
96	100		
61	134.0	100.2	186.0
68	0.0	0.0	0.0

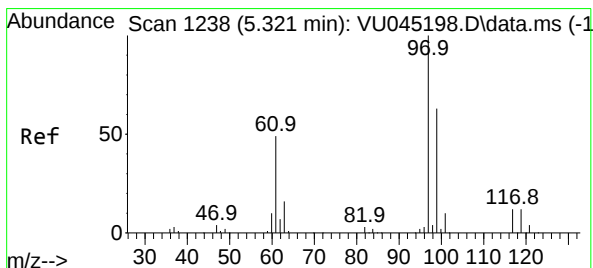
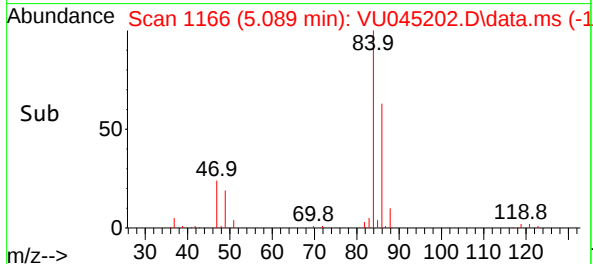
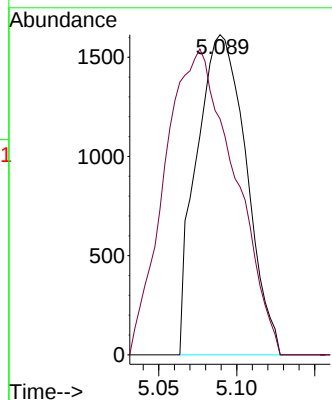
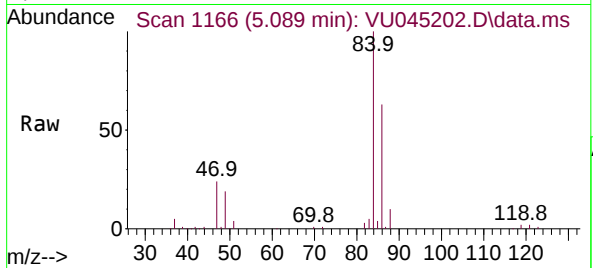




#25
Chloroform
Concen: 0.698 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

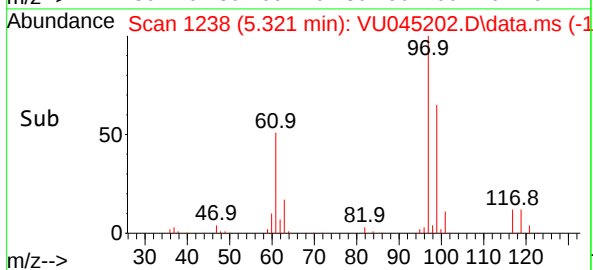
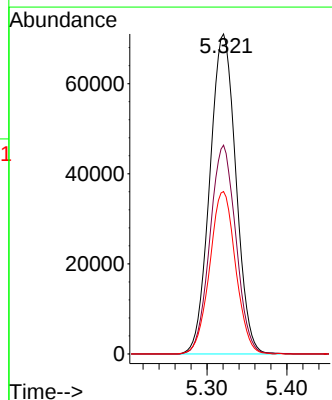
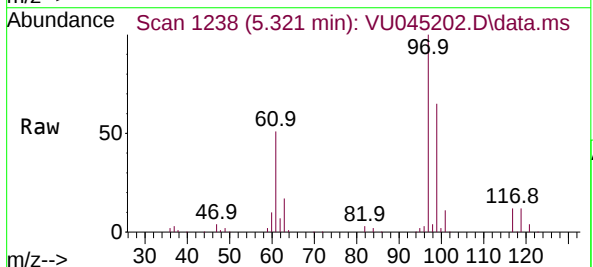
Instrument :
MSVOA_U
ClientSampled :

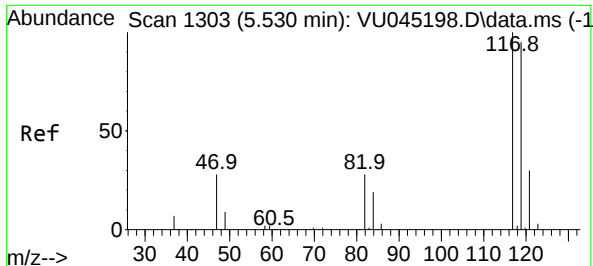
Tgt Ion: 83 Resp: 3566
Ion Ratio Lower Upper
83 100
85 73.7 45.6 84.6



#30
1,1,1-Trichloroethane
Concen: 40.443 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Tgt Ion: 97 Resp: 160895
Ion Ratio Lower Upper
97 100
99 65.0 50.6 75.8
61 50.5 41.3 61.9

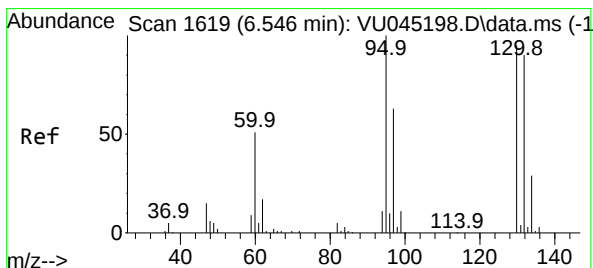
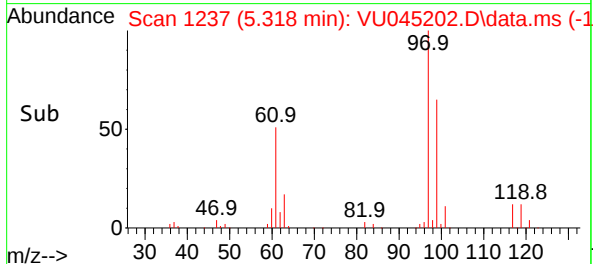
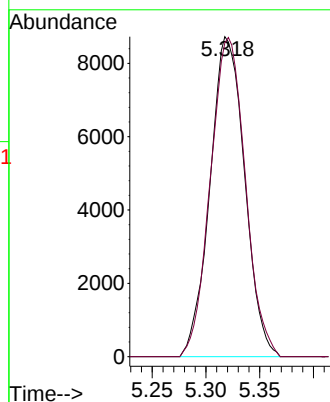
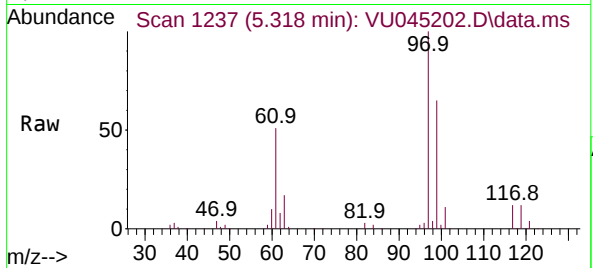




#31
Carbon tetrachloride
Concen: 6.211 ug/L
RT: 5.318 min Scan# 1237
Delta R.T. -0.212 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

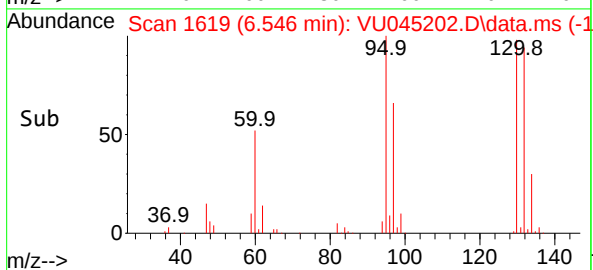
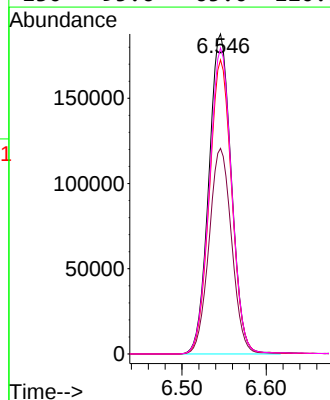
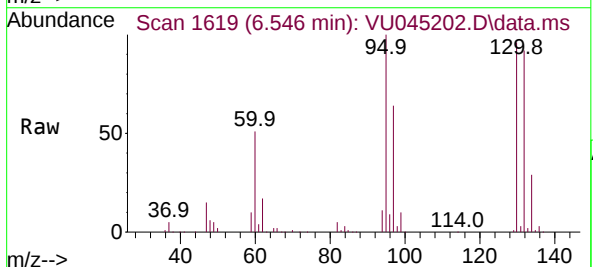
Instrument :
MSVOA_U
ClientSampled :

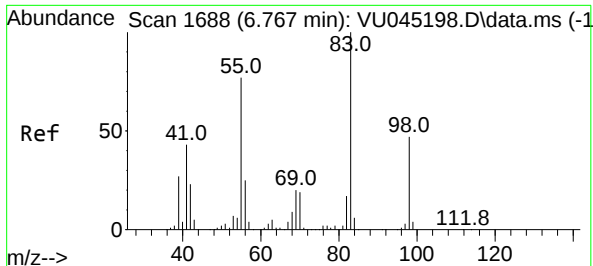
Tgt Ion:117 Resp: 19517
Ion Ratio Lower Upper
117 100
119 100.7 77.7 116.5



#34
Trichloroethene
Concen: 136.309 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Tgt Ion: 95 Resp: 348989
Ion Ratio Lower Upper
95 100
97 64.3 44.4 82.4
132 91.9 62.9 116.9
130 95.6 65.0 120.8





#35

Methylcyclohexane

Concen: 7.368 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.071 min

Lab File: VU045202.D

Acq: 07 Oct 2021 11:19

Tgt Ion: 83 Resp: 31584

Ion Ratio Lower Upper

83 100

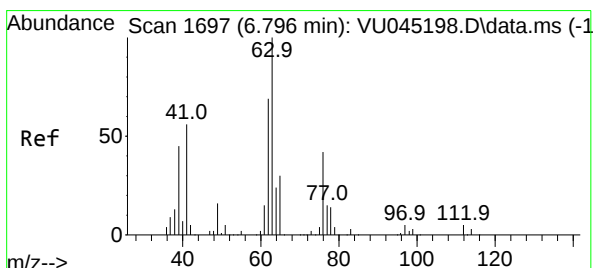
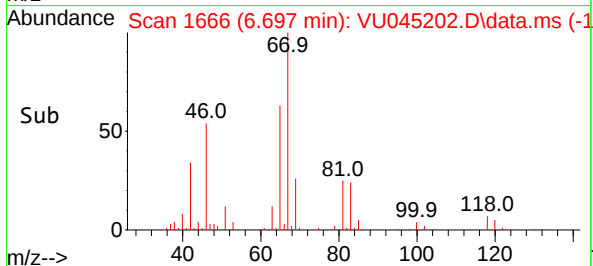
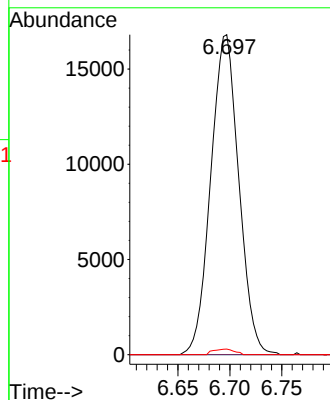
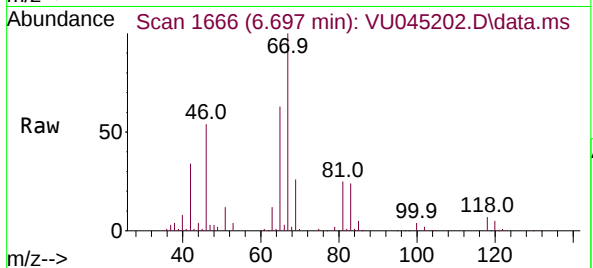
55 0.0 65.8 98.6#

98 1.3 37.1 55.7#

Instrument :

MSVOA_U

ClientSampleId :



#37

1,2-Dichloropropane

Concen: 5.420 ug/L

RT: 6.697 min Scan# 1666

Delta R.T. -0.099 min

Lab File: VU045202.D

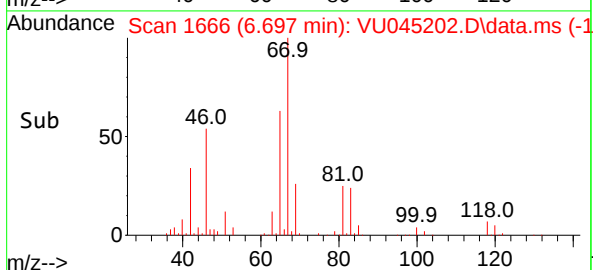
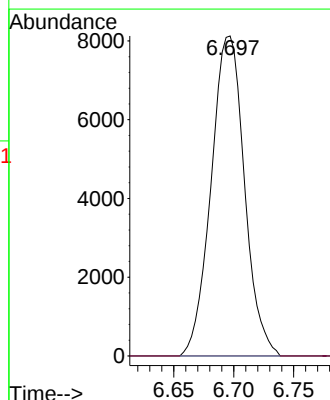
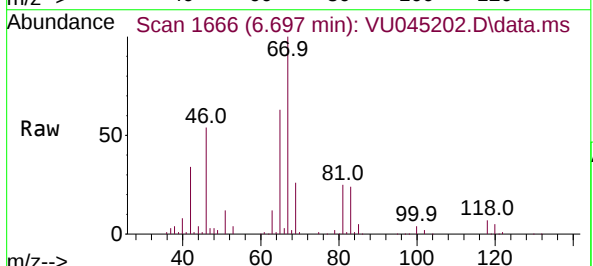
Acq: 07 Oct 2021 11:19

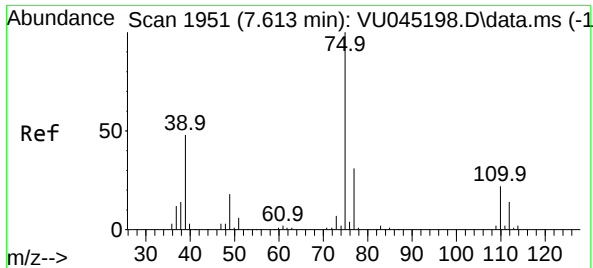
Tgt Ion: 63 Resp: 15729

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



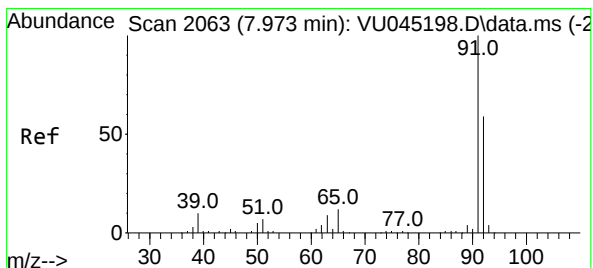
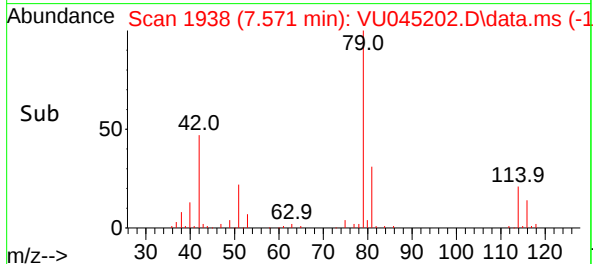
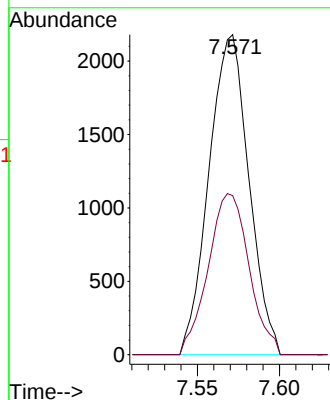
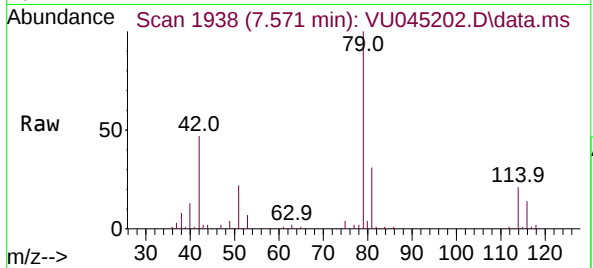


#39

cis-1,3-Dichloropropene
Concen: 0.888 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Instrument :
MSVOA_U
ClientSampled :

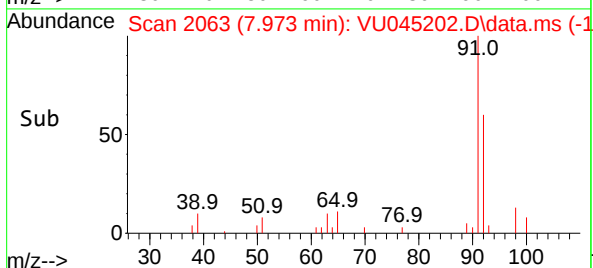
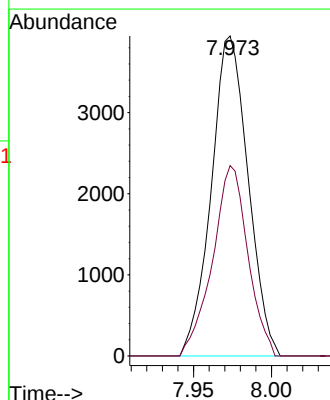
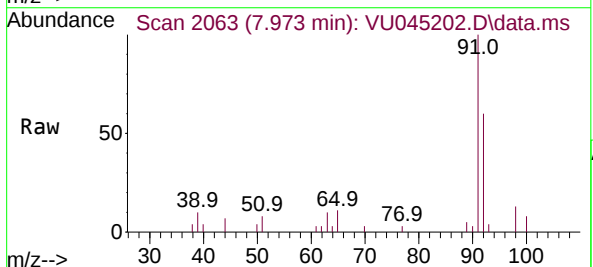
Tgt Ion: 75 Resp: 3687
Ion Ratio Lower Upper
75 100
77 49.7 22.4 41.6#

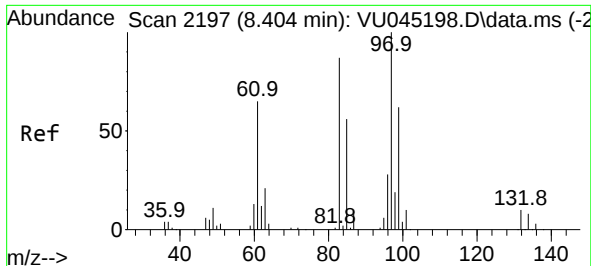


#42

Toluene
Concen: 0.598 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Tgt Ion: 91 Resp: 6481
Ion Ratio Lower Upper
91 100
92 59.5 40.5 75.1

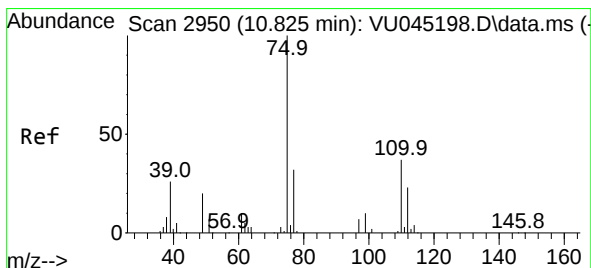
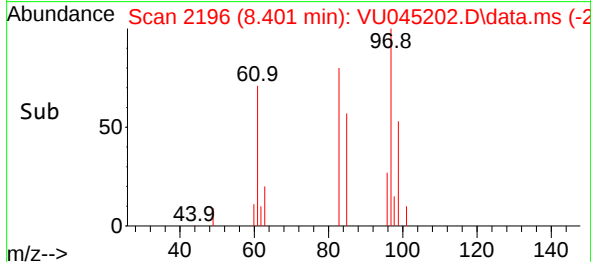
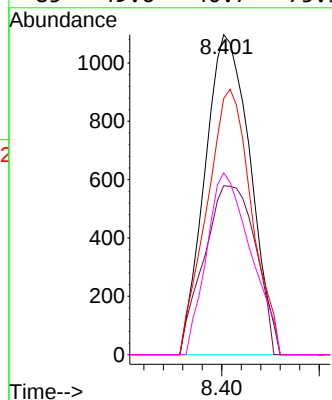
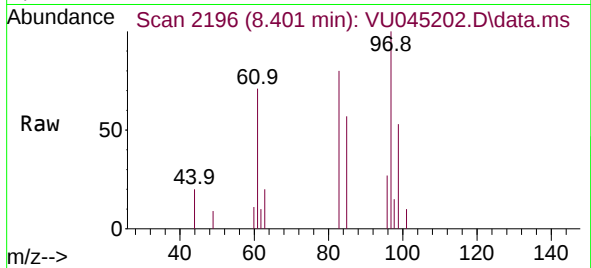




#45
1,1,2-Trichloroethane
Concen: 0.673 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.003 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 97	Resp:	1769
Ion	Ratio	Lower Upper
97	100	
99	46.1	43.7 81.1
83	69.8	61.9 115.1
85	49.6	40.7 75.5



#60
1,2,3-Trichloropropane
Concen: 4.826 ug/L
RT: 11.816 min Scan# 3258
Delta R.T. 0.991 min
Lab File: VU045202.D
Acq: 07 Oct 2021 11:19

Tgt Ion: 75	Resp:	16862
Ion	Ratio	Lower Upper
75	100	
77	34.6	25.5 38.3
110	1.8	29.0 43.4#

