

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100721\
 Data File : VU045203.D
 Acq On : 07 Oct 2021 11:43
 Operator : SY/MD
 Sample : M4023-13 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 07 21:36:30 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	303356	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	287448	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	128674	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	124762	37.569	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.140%
7) Chloroethane-d5	1.897	69	104827	39.835	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.660%
11) 1,1-Dichloroethene-d2	2.562	63	170488	30.571	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	61.140%
21) 2-Butanone-d5	4.626	46	206782	78.763	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	78.760%
24) Chloroform-d	5.067	84	208799	39.810	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.620%
26) 1,2-Dichloroethane-d4	5.707	65	149941	42.205	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.400%
32) Benzene-d6	5.729	84	437061	43.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.640%
36) 1,2-Dichloropropane-d6	6.694	67	140033	43.057	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.120%
41) Toluene-d8	7.903	98	387830	45.056	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.120%
43) trans-1,3-Dichloroprop...	8.182	79	60130	41.563	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.120%
47) 2-Hexanone-d5	8.636	63	151055	83.811	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.810%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	216759	42.800	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	136579	48.773	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.540%
Target Compounds						
5) Vinyl chloride	1.604	62	2585	0.729	ug/L #	1
12) 1,1-Dichloroethene	2.575	96	13023	5.544	ug/L #	1
16) Methylene chloride	3.048	84	11610	3.901	ug/L	92
17) trans-1,2-Dichloroethene	3.356	96	10772	4.353	ug/L	92
19) 1,1-Dichloroethane	3.871	63	11204	2.176	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	202530	74.272	ug/L	93
30) 1,1,1-Trichloroethane	5.321	97	94723	23.805	ug/L	98
31) Carbon tetrachloride	5.321	117	11551	3.675	ug/L	98
34) Trichloroethene	6.546	95	209096	81.654	ug/L	98
35) Methylcyclohexane	6.694	83	33086	7.717	ug/L #	16
37) 1,2-Dichloropropane	6.694	63	15848	5.460	ug/L #	88
39) cis-1,3-Dichloropropene	7.572	75	4052	0.976	ug/L #	69
42) Toluene	7.973	91	6558	0.605	ug/L	95
44) trans-1,3-Dichloropropene	8.182	75	2675	0.677	ug/L	86
48) 2-Hexanone	8.636	43	17812	4.142	ug/L #	71
60) 1,2,3-Trichloropropane	11.813	75	17391	4.887	ug/L #	68

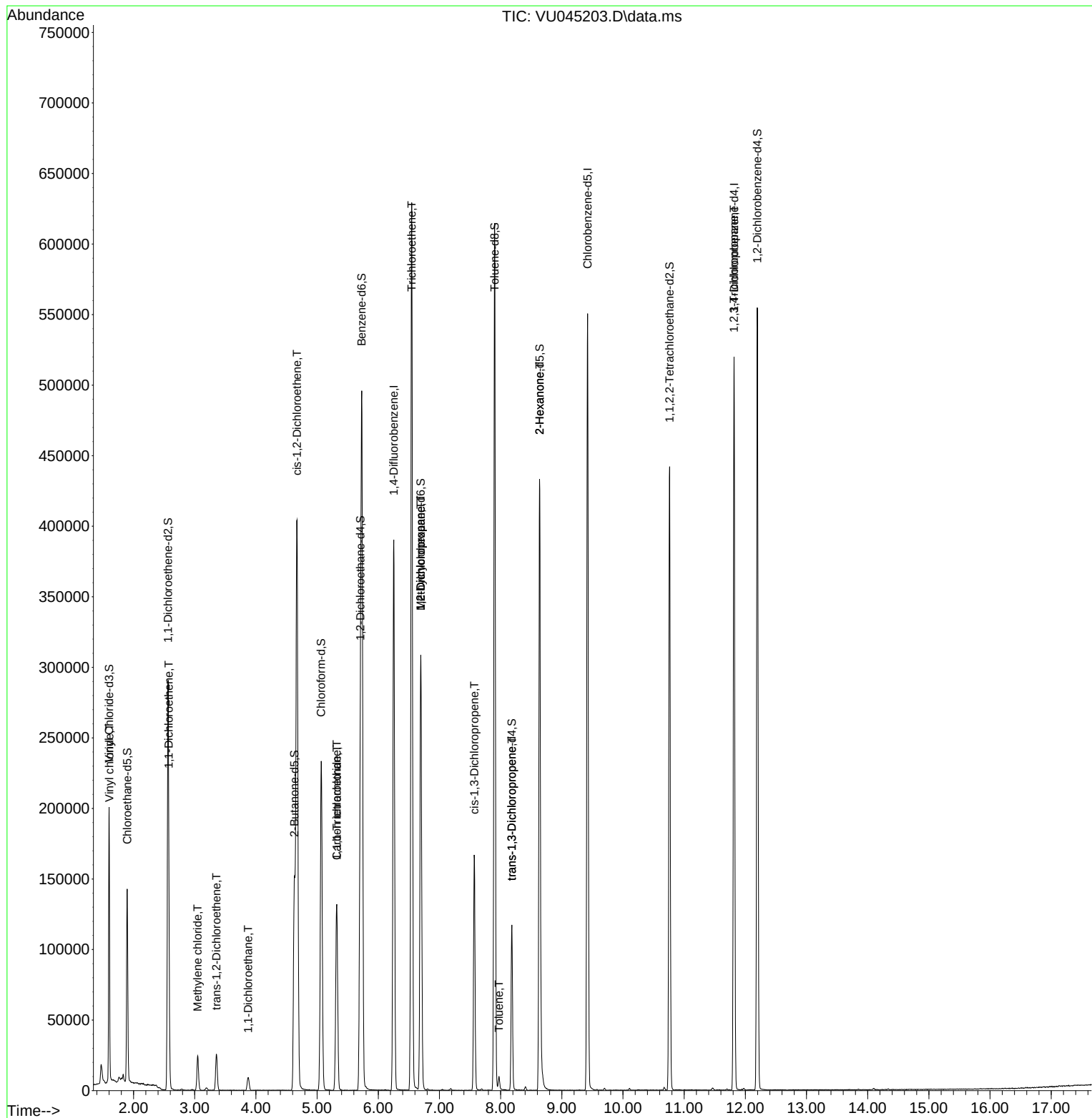
(#) = qualifier out of range (m) = manual integration (+) = signals summed

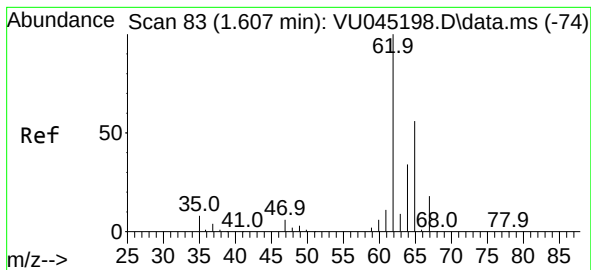
Instrument :
MSVOA_U
ClientSampleId :

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Quant Title : VOC Analysis
QLast Update : Thu Oct 07 21:34:31 2021
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#5

Vinyl chloride

Concen: 0.729 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.003 min

Lab File: VU045203.D

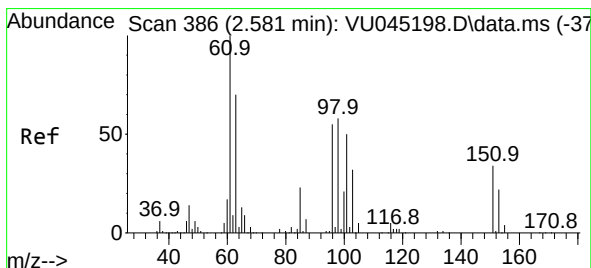
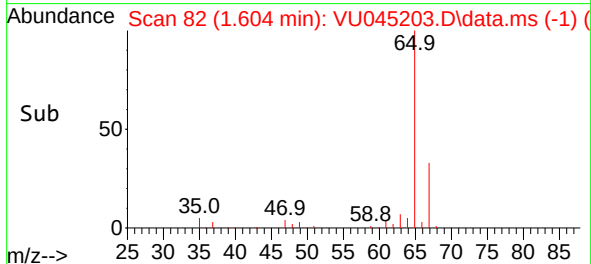
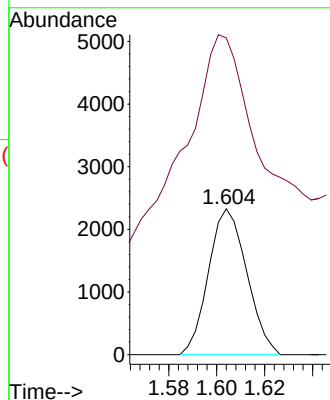
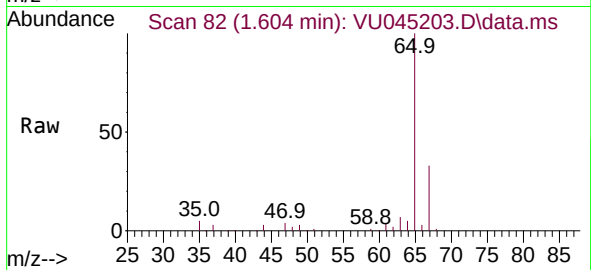
Acq: 07 Oct 2021 11:43

Tgt Ion: 62 Resp: 2585

Ion Ratio Lower Upper

62 100

64 217.0 23.4 43.6#



#12

1,1-Dichloroethene

Concen: 5.544 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.006 min

Lab File: VU045203.D

Acq: 07 Oct 2021 11:43

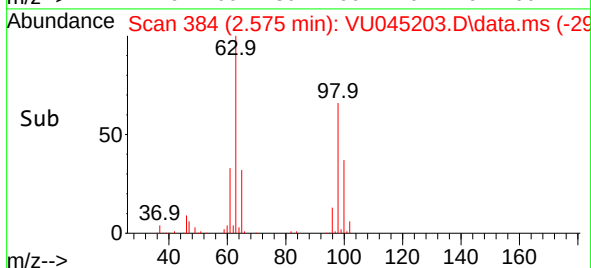
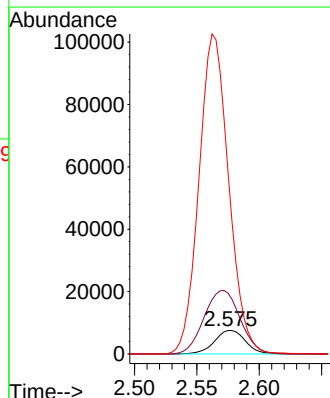
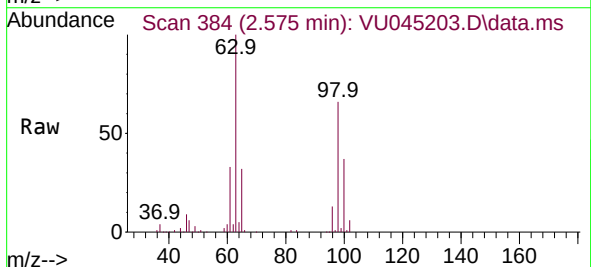
Tgt Ion: 96 Resp: 13023

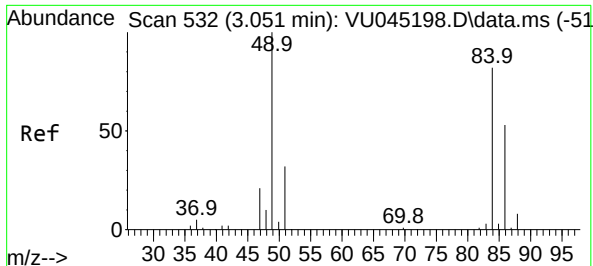
Ion Ratio Lower Upper

96 100

61 258.7 131.3 243.9#

63 773.4 102.5 190.3#

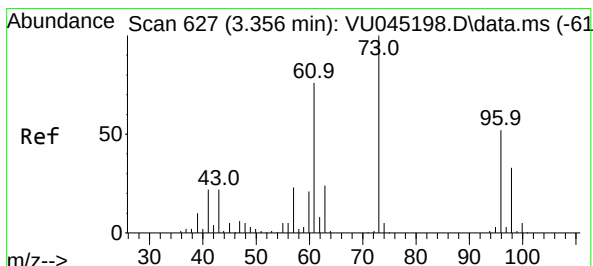
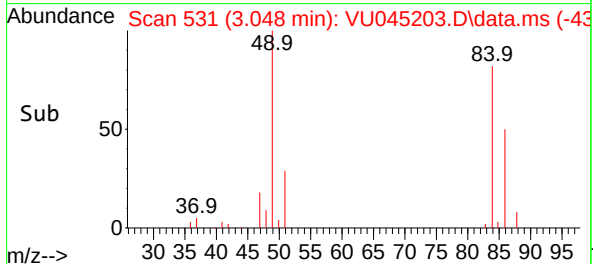
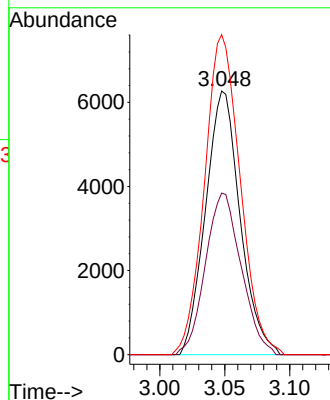
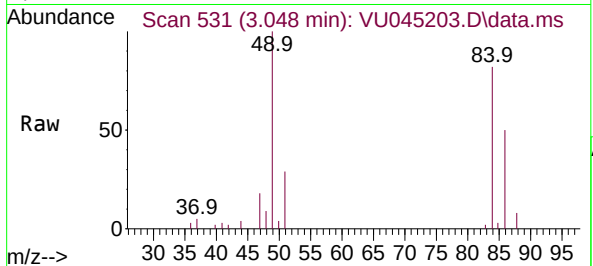




#16
Methylene chloride
Concen: 3.901 ug/L
RT: 3.048 min Scan# 531
Delta R.T. -0.003 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

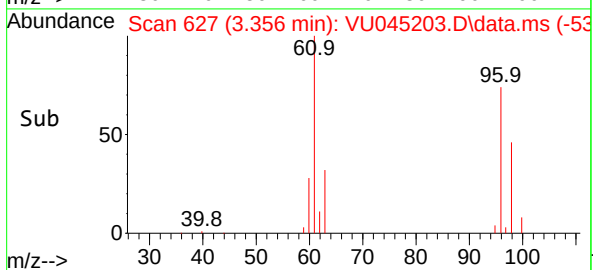
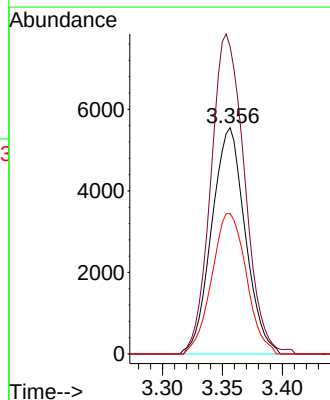
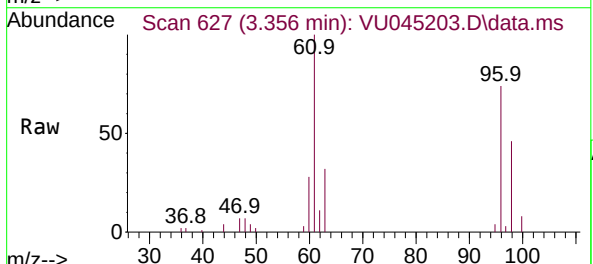
Instrument :
MSVOA_U
ClientSampleId :

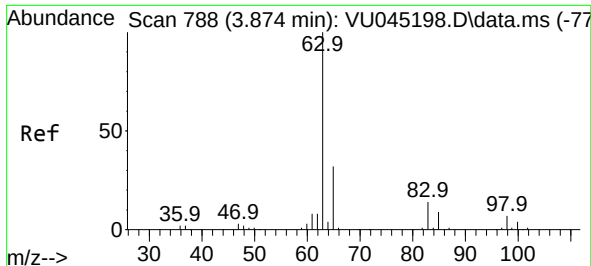
Tgt Ion: 84 Resp: 11610
Ion Ratio Lower Upper
84 100
86 61.3 44.7 83.1
49 121.4 92.9 172.5



#17
trans-1,2-Dichloroethene
Concen: 4.353 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.000 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

Tgt Ion: 96 Resp: 10772
Ion Ratio Lower Upper
96 100
61 135.9 105.1 195.3
98 62.1 43.0 79.8





#19

1,1-Dichloroethane

Concen: 2.176 ug/L

RT: 3.871 min Scan# 787

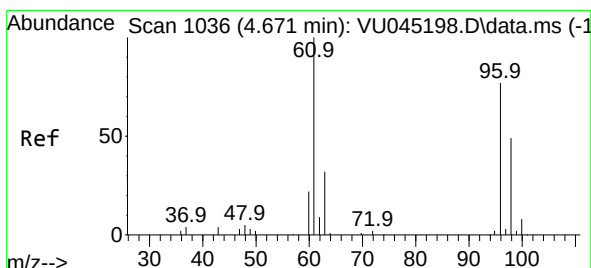
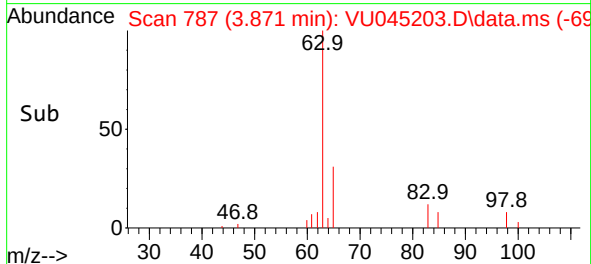
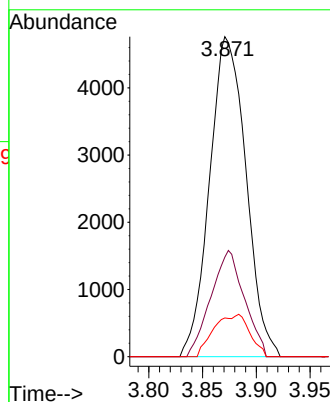
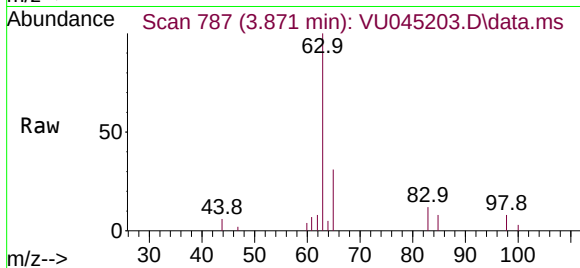
Delta R.T. -0.003 min

Lab File: VU045203.D

Acq: 07 Oct 2021 11:43

Tgt Ion: 63 Resp: 11204

Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.0	40.8
83	12.1	9.0	16.6



#20

cis-1,2-Dichloroethene

Concen: 74.272 ug/L

RT: 4.671 min Scan# 1036

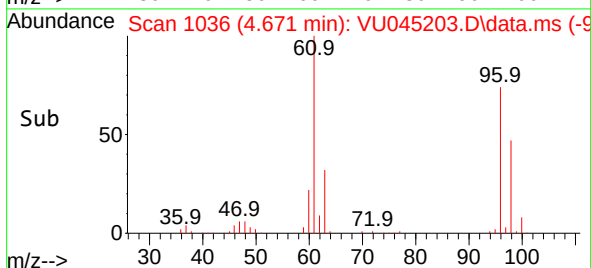
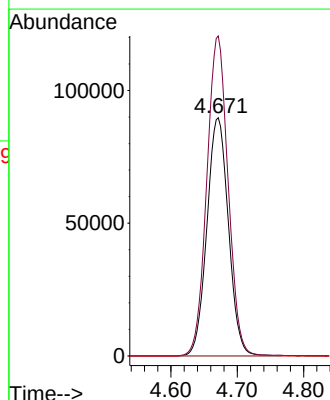
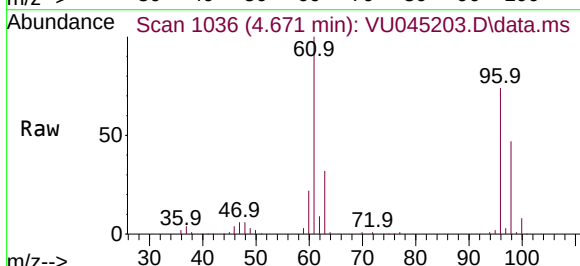
Delta R.T. 0.000 min

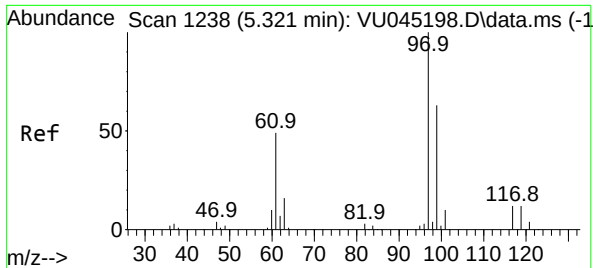
Lab File: VU045203.D

Acq: 07 Oct 2021 11:43

Tgt Ion: 96 Resp: 202530

Ion	Ratio	Lower	Upper
96	100		
61	134.3	100.2	186.0
68	0.0	0.0	0.0

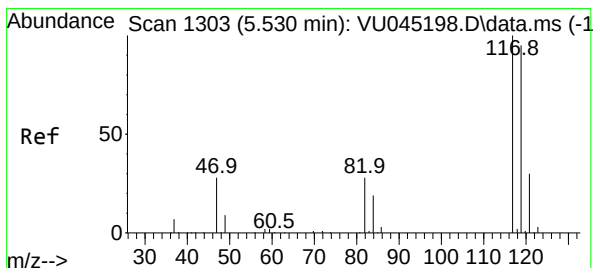
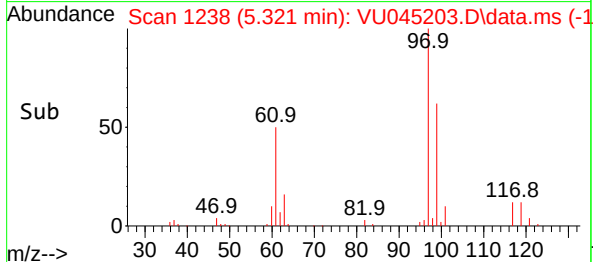
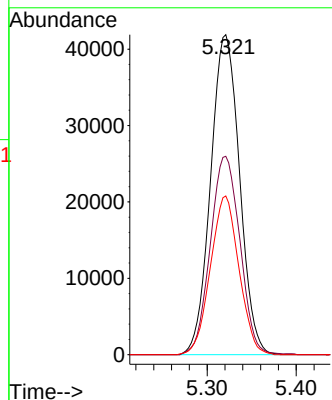
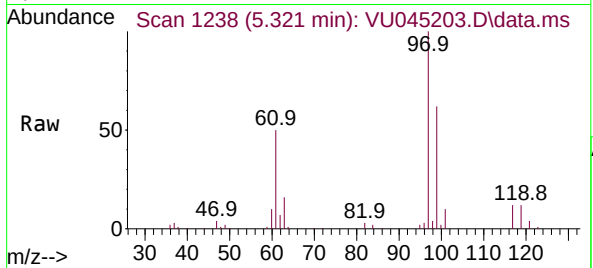




#30
1,1,1-Trichloroethane
Concen: 23.805 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

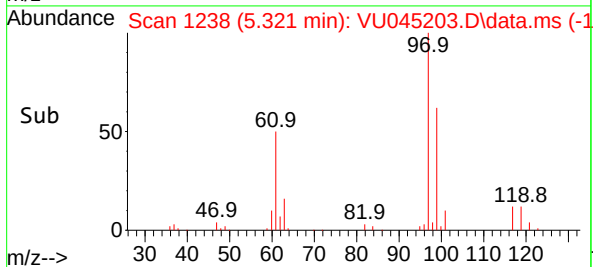
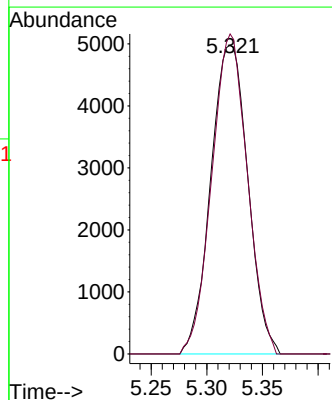
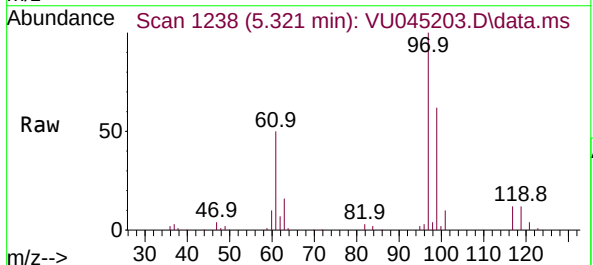
Instrument :
MSVOA_U
ClientSampleId :

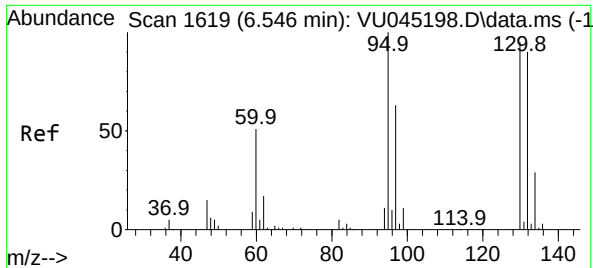
Tgt Ion:	97	Resp:	94723
Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	75.8
61	48.9	41.3	61.9



#31
Carbon tetrachloride
Concen: 3.675 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

Tgt Ion:	117	Resp:	11551
Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.7	116.5

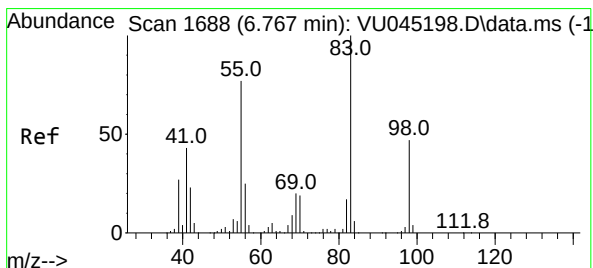
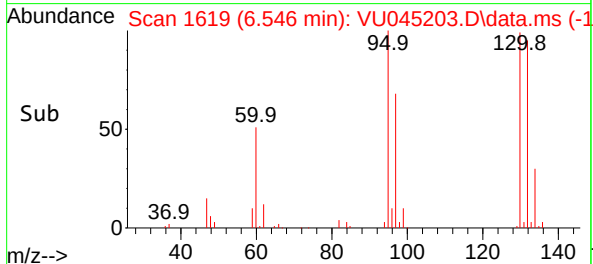
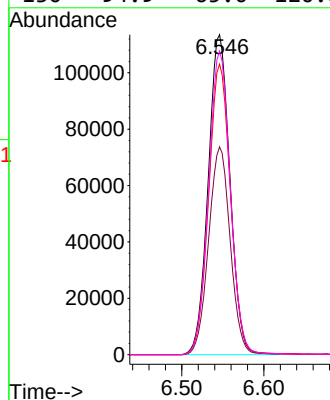
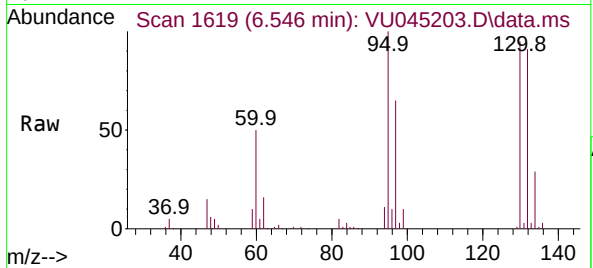




#34
Trichloroethene
Concen: 81.654 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

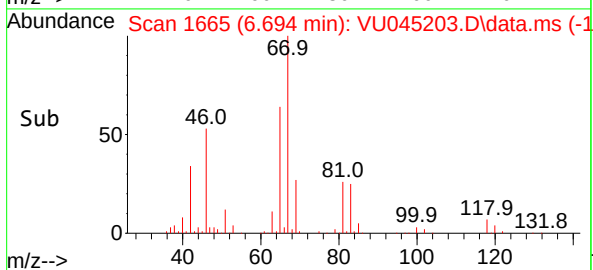
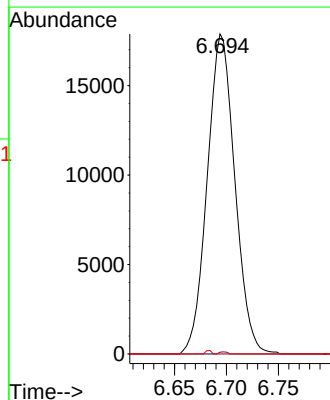
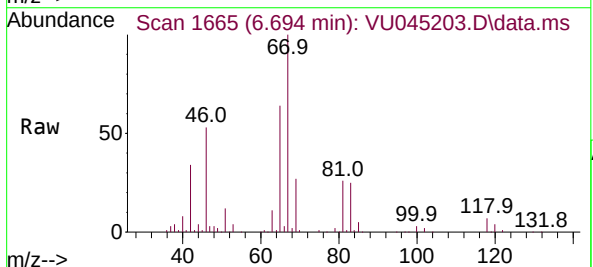
Instrument :
MSVOA_U
ClientSampled :

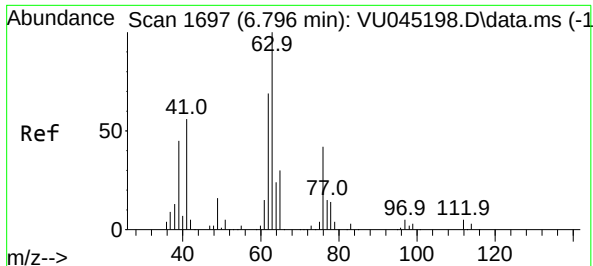
Tgt Ion: 95 Resp: 209096
Ion Ratio Lower Upper
95 100
97 64.9 44.4 82.4
132 90.8 62.9 116.9
130 94.9 65.0 120.8



#35
Methylcyclohexane
Concen: 7.717 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

Tgt Ion: 83 Resp: 33086
Ion Ratio Lower Upper
83 100
55 0.2 65.8 98.6#
98 0.2 37.1 55.7#



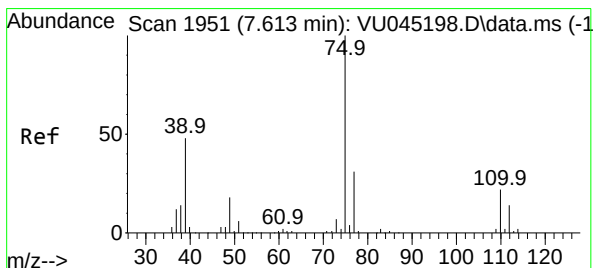
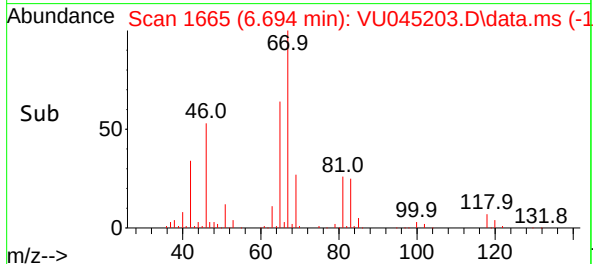
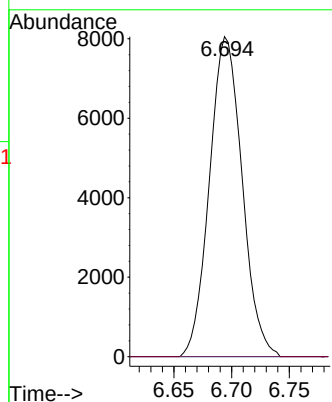
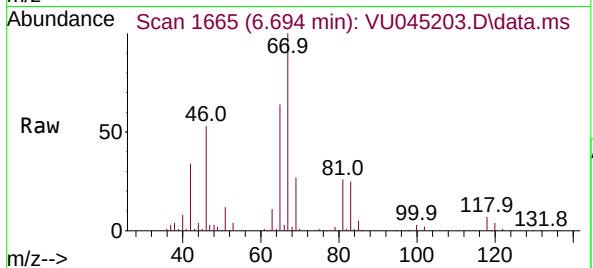


#37

1,2-Dichloropropane
Concen: 5.460 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

Instrument :
MSVOA_U
ClientSampled :

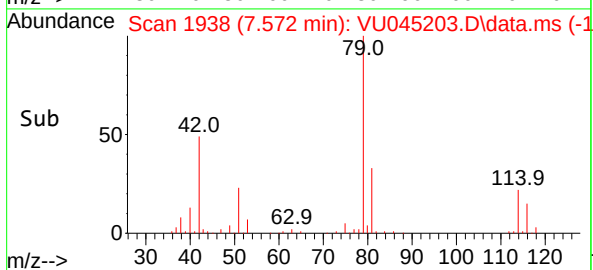
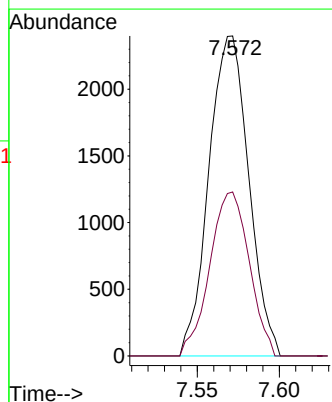
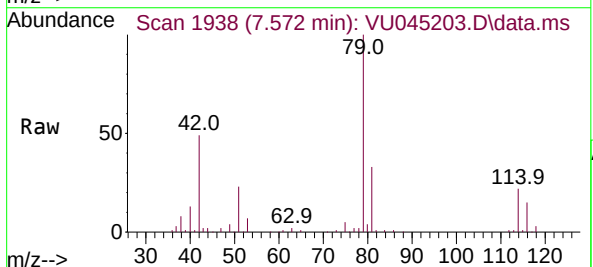
Tgt Ion: 63 Resp: 15848
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

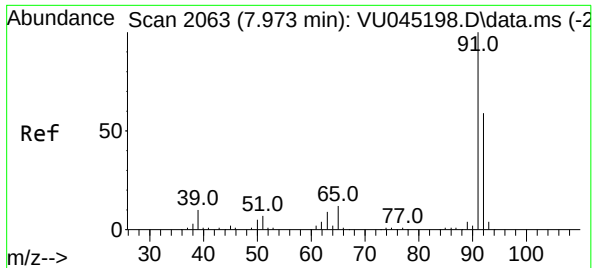


#39

cis-1,3-Dichloropropene
Concen: 0.976 ug/L
RT: 7.572 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

Tgt Ion: 75 Resp: 4052
Ion Ratio Lower Upper
75 100
77 49.2 22.4 41.6#

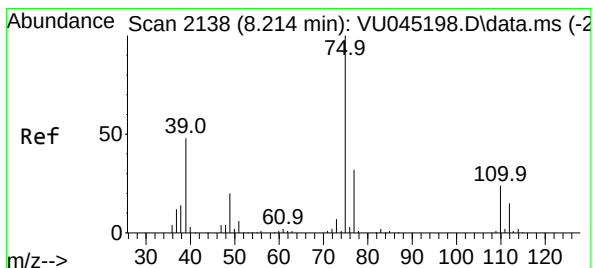
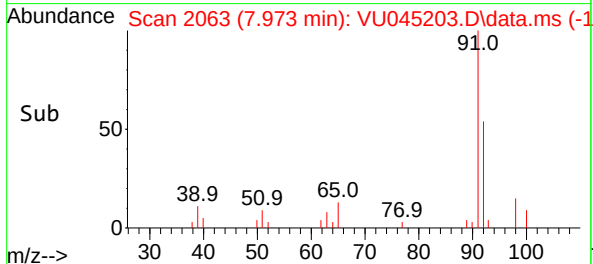
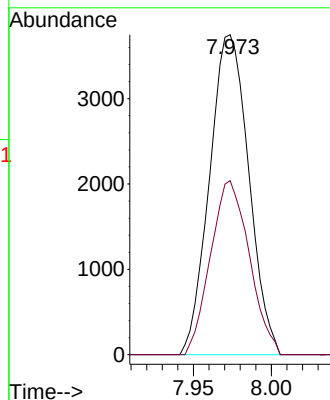
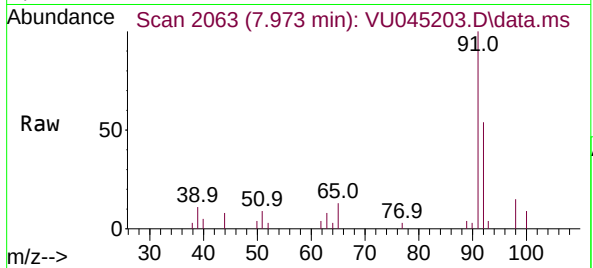




#42
Toluene
Concen: 0.605 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

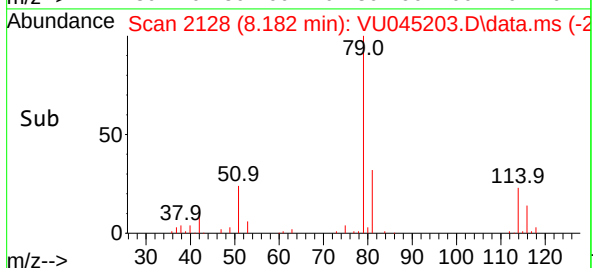
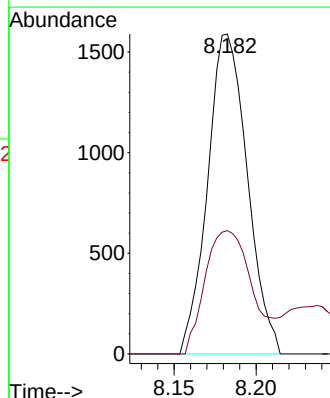
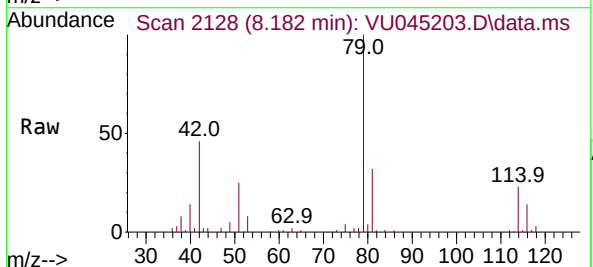
Instrument :
MSVOA_U
ClientSampled :

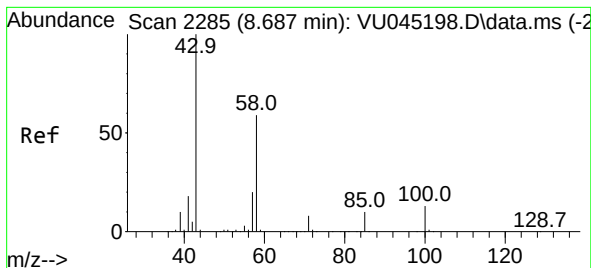
Tgt Ion: 91 Resp: 6558
Ion Ratio Lower Upper
91 100
92 54.4 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.677 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU045203.D
Acq: 07 Oct 2021 11:43

Tgt Ion: 75 Resp: 2675
Ion Ratio Lower Upper
75 100
77 38.6 21.7 40.3





#48

2-Hexanone

Concen: 4.142 ug/L

RT: 8.636 min Scan# 2269

Delta R.T. -0.051 min

Lab File: VU045203.D

Acq: 07 Oct 2021 11:43

Tgt Ion: 43 Resp: 17812

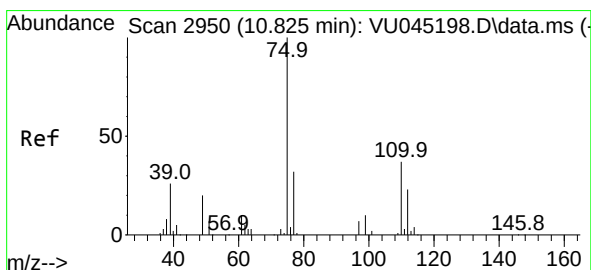
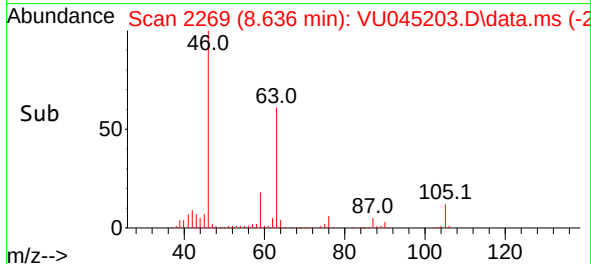
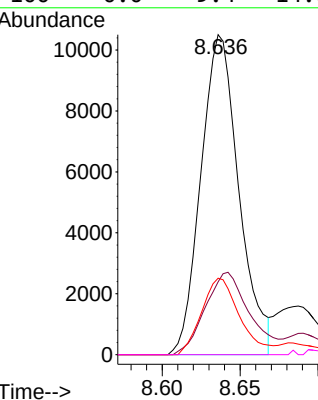
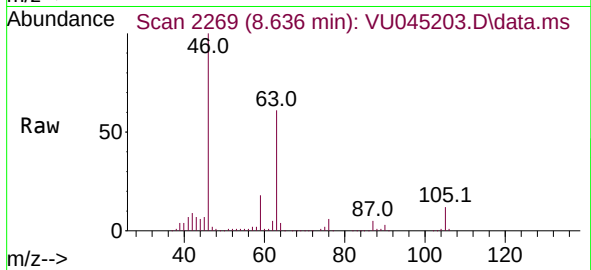
Ion Ratio Lower Upper

43 100

58 30.0 44.9 67.3#

57 24.0 15.5 23.3#

100 0.0 9.4 14.0#



#60

1,2,3-Trichloropropane

Concen: 4.887 ug/L

RT: 11.813 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU045203.D

Acq: 07 Oct 2021 11:43

Tgt Ion: 75 Resp: 17391

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3

110 2.0 29.0 43.4#

