

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100821\
 Data File : VU045258.D
 Acq On : 08 Oct 2021 17:50
 Operator : SY/MD
 Sample : M4023-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 09 05:32:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 09 05:29:23 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	283894	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	272834	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	120184	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	140410	45.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.360%
7) Chloroethane-d5	1.944	69	708	0.287	ug/L	0.05
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.580%#
11) 1,1-Dichloroethene-d2	2.562	63	211021	40.433	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.860%
21) 2-Butanone-d5	4.629	46	213572	86.926	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.930%
24) Chloroform-d	5.066	84	208746	42.528	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.060%
26) 1,2-Dichloroethane-d4	5.706	65	150256	45.193	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.380%
32) Benzene-d6	5.729	84	448405	47.364	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.720%
36) 1,2-Dichloropropane-d6	6.693	67	143819	46.589	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.180%
41) Toluene-d8	7.899	98	387743	47.459	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.920%
43) trans-1,3-Dichloroprop...	8.182	79	64265	46.801	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.600%
47) 2-Hexanone-d5	8.635	63	150422	87.930	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.930%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	214678	44.660	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.320%
66) 1,2-Dichlorobenzene-d4	12.195	152	132972	50.839	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.680%
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	7282	2.194	ug/L #	1
8) Chloroethane	1.604	64	23888	11.466	ug/L	94
12) 1,1-Dichloroethene	2.575	96	67697	30.793	ug/L	92
17) trans-1,2-Dichloroethene	3.356	96	3352	1.447	ug/L	91
19) 1,1-Dichloroethane	3.874	63	30531	6.337	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	710631	278.469	ug/L	96
25) Chloroform	5.092	83	6362	1.328	ug/L	93
30) 1,1,1-Trichloroethane	5.320	97	268870	71.190	ug/L	98
31) Carbon tetrachloride	5.320	117	33373	11.188	ug/L	99
34) Trichloroethene	6.545	95	500824	206.054	ug/L	99
37) 1,2-Dichloropropane	6.693	63	15947	5.788	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	4023	1.020	ug/L #	60
42) Toluene	7.970	91	6335	0.616	ug/L	96
44) trans-1,3-Dichloropropene	8.179	75	2838	0.757	ug/L	83
45) 1,1,2-Trichloroethane	8.404	97	2685	1.075	ug/L	96
60) 1,2,3-Trichloropropane	11.812	75	16114	4.848	ug/L #	67

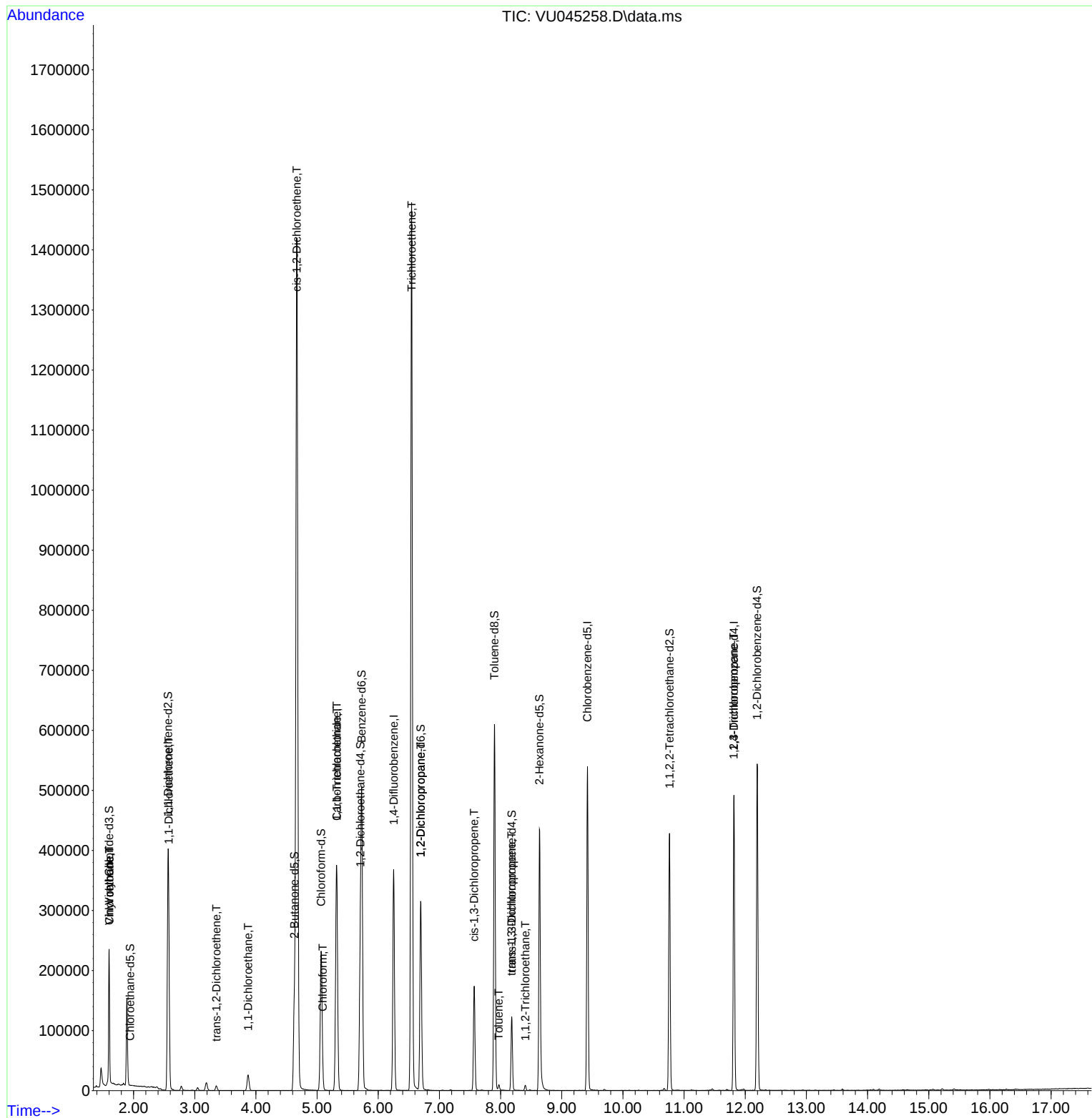
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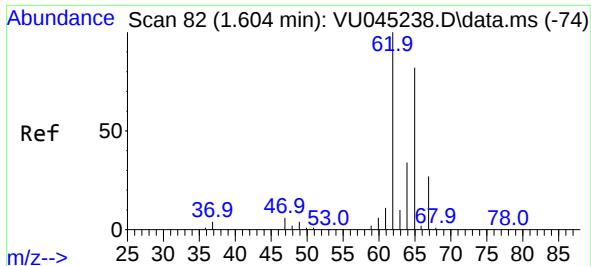
Instrument :
MSVOA_U
ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 09 05:29:23 2021
Response via : Initial Calibration

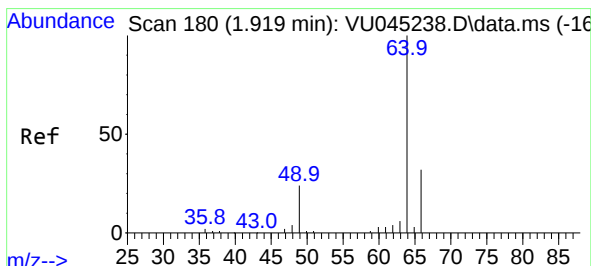
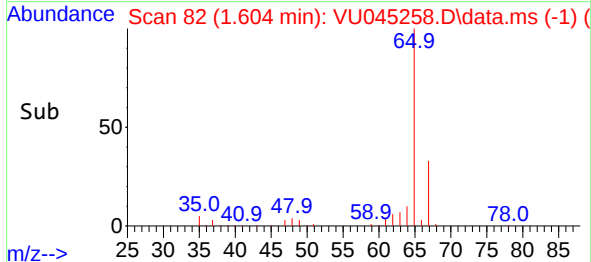
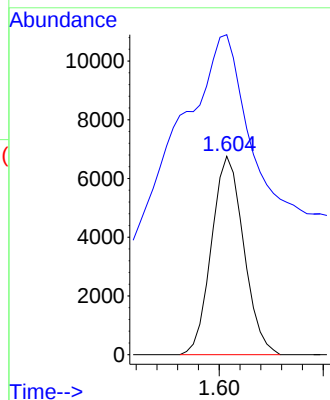
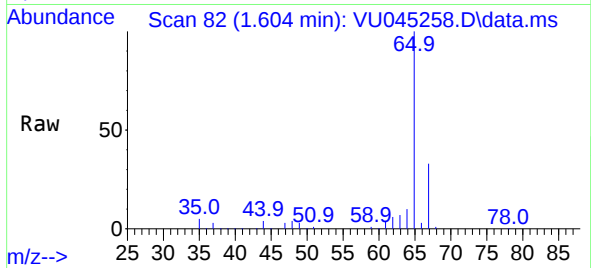




#5
 Vinyl chloride
 Concen: 2.194 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU045258.D
 Acq: 08 Oct 2021 17:50

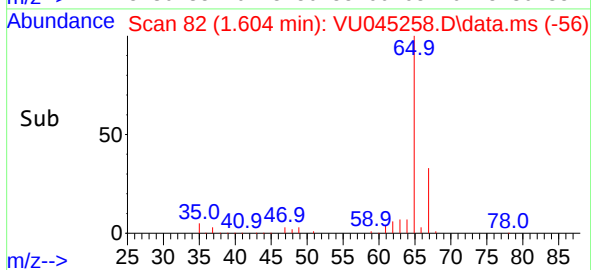
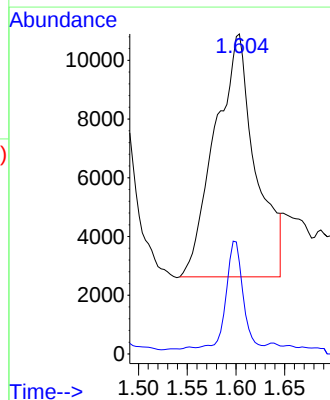
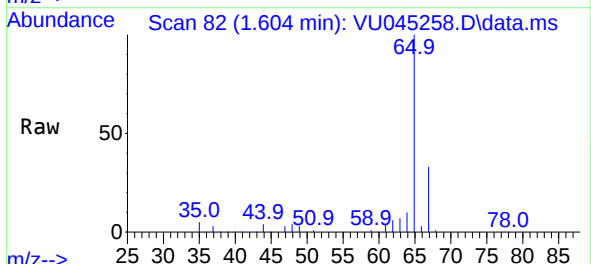
Instrument :
 MSVOA_U
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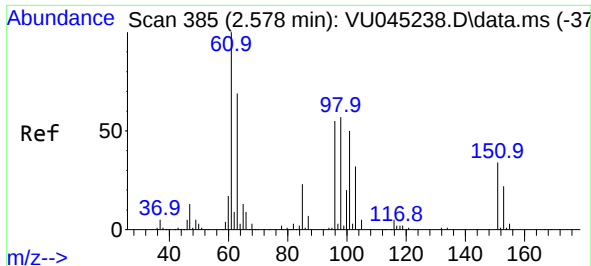
Tgt Ion: 62 Resp: 7282
 Ion Ratio Lower Upper
 62 100
 64 161.3 23.4 43.6#



#8
 Chloroethane
 Concen: 11.466 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.315 min
 Lab File: VU045258.D
 Acq: 08 Oct 2021 17:50

Tgt Ion: 64 Resp: 23888
 Ion Ratio Lower Upper
 64 100
 66 28.5 22.3 41.3

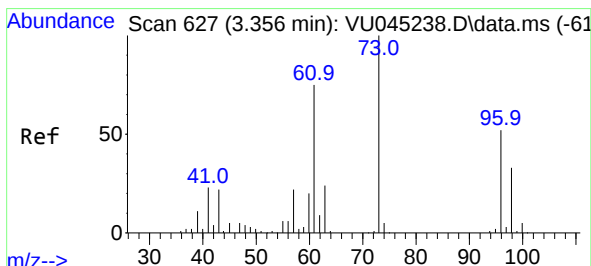
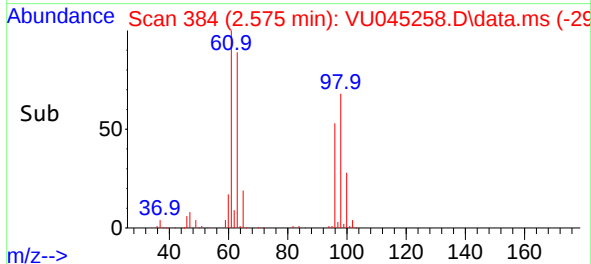
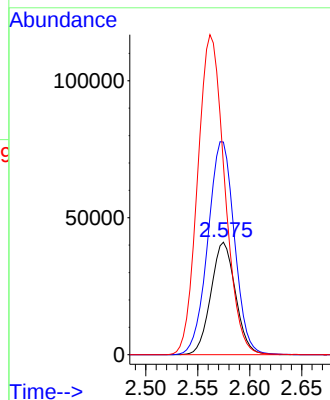
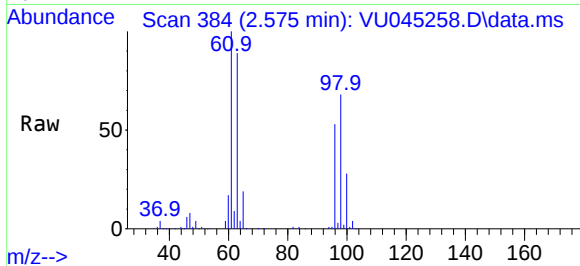




#12
1,1-Dichloroethene
Concen: 30.793 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

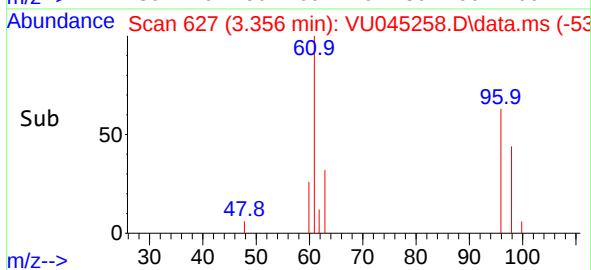
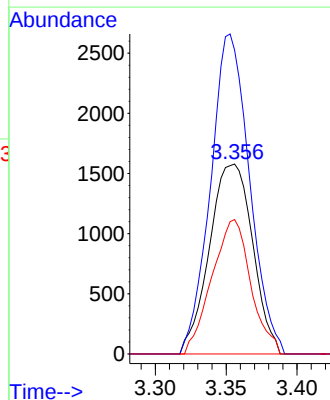
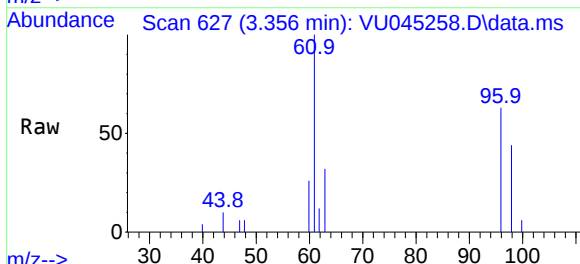
Instrument :
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ClientSampleId :

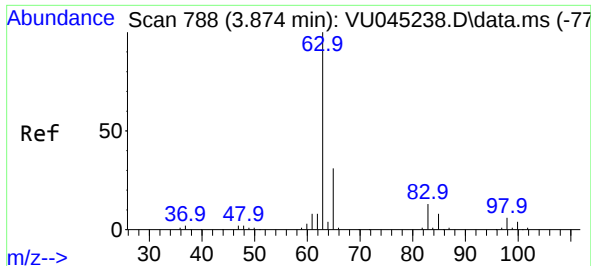
Tgt Ion: 96 Resp: 67697
Ion Ratio Lower Upper
96 100
61 189.0 131.3 243.9
63 169.0 102.5 190.3



#17
trans-1,2-Dichloroethene
Concen: 1.447 ug/L
RT: 3.356 min Scan# 627
Delta R.T. -0.000 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Tgt Ion: 96 Resp: 3352
Ion Ratio Lower Upper
96 100
61 160.0 105.1 195.3
98 70.7 43.0 79.8



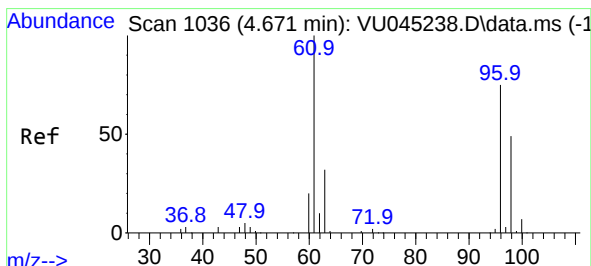
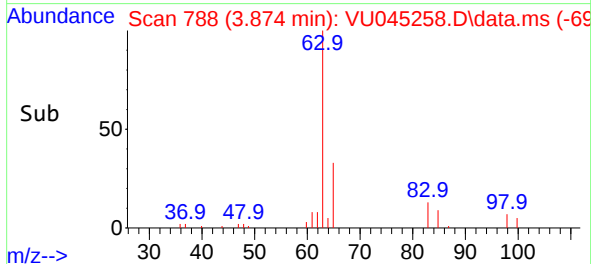
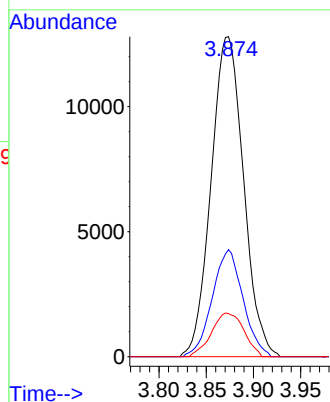
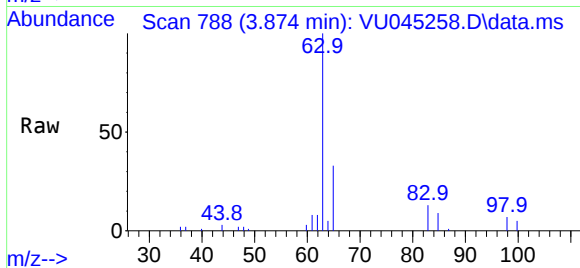


#19
1,1-Dichloroethane
Concen: 6.337 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 63 Resp: 30531

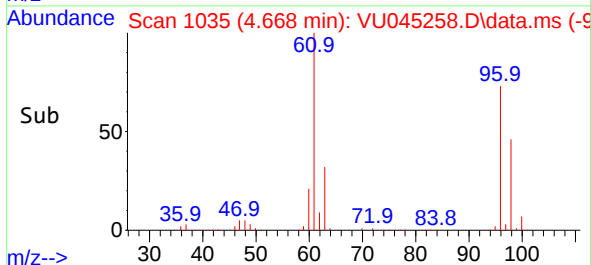
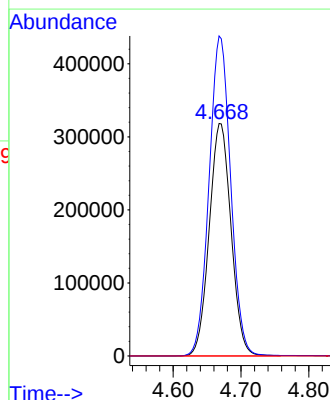
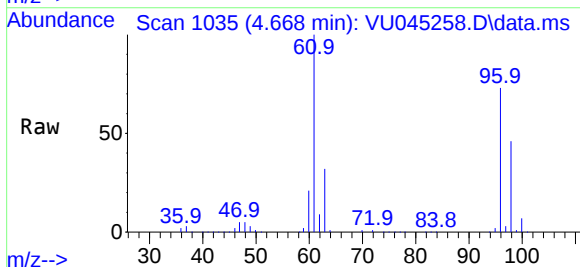
Ion	Ratio	Lower	Upper
63	100		
65	33.5	22.0	40.8
83	13.5	9.0	16.6

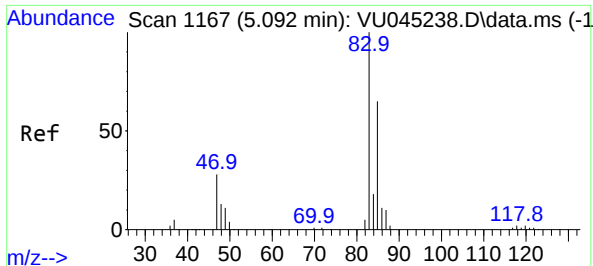


#20
cis-1,2-Dichloroethene
Concen: 278.469 ug/L
RT: 4.668 min Scan# 1035
Delta R.T. -0.003 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Tgt Ion: 96 Resp: 710631

Ion	Ratio	Lower	Upper
96	100		
61	137.6	100.2	186.0
68	0.0	0.0	0.0



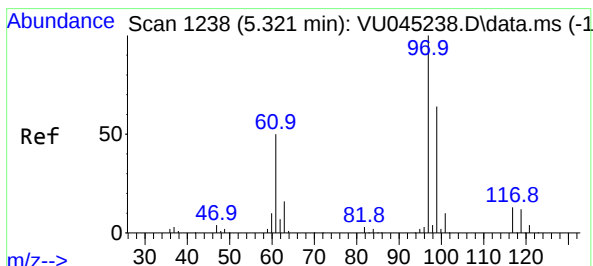
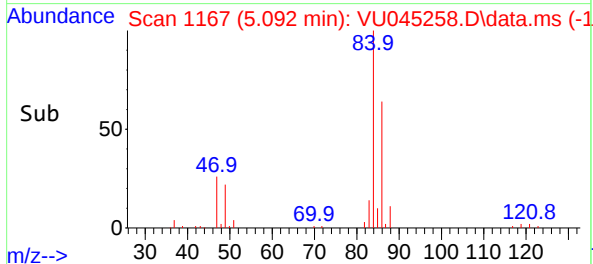
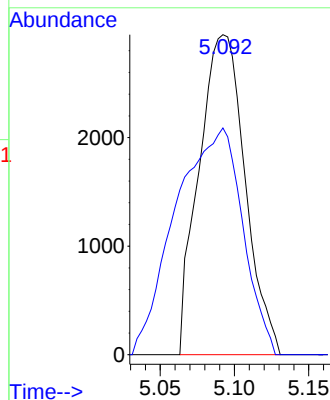
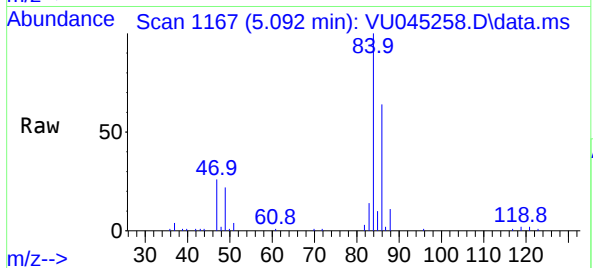


#25

Chloroform
Concen: 1.328 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Instrument :
MSVOA_U
ClientSampled :

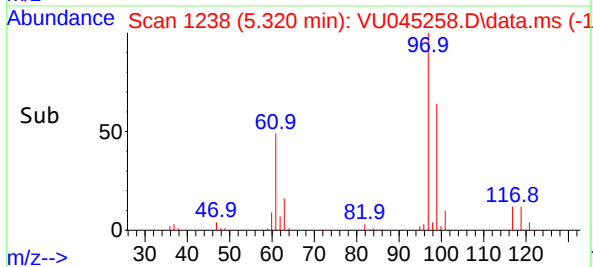
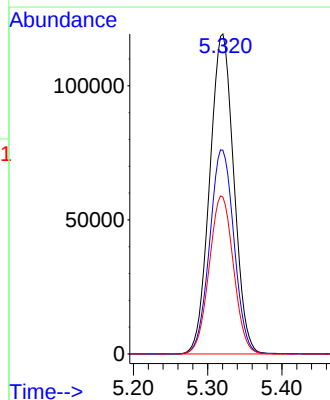
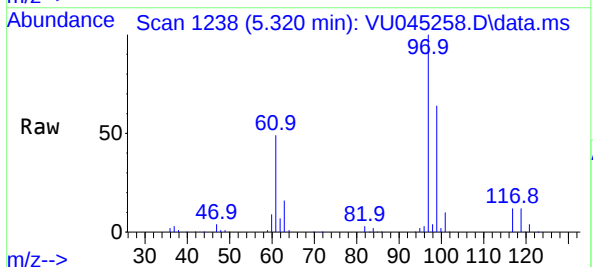
Tgt Ion: 83 Resp: 6362
Ion Ratio Lower Upper
83 100
85 70.9 45.6 84.6

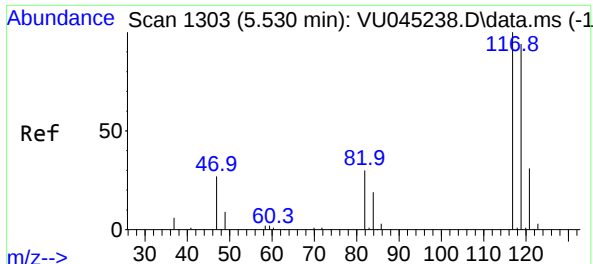


#30

1,1,1-Trichloroethane
Concen: 71.190 ug/L
RT: 5.320 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Tgt Ion: 97 Resp: 268870
Ion Ratio Lower Upper
97 100
99 64.6 50.6 75.8
61 49.8 41.3 61.9

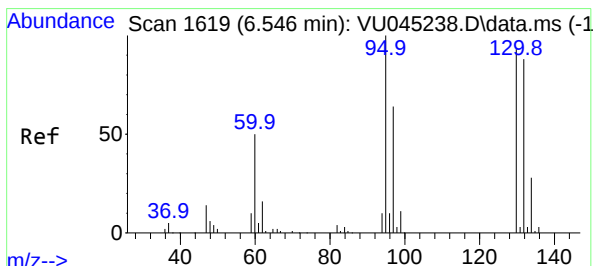
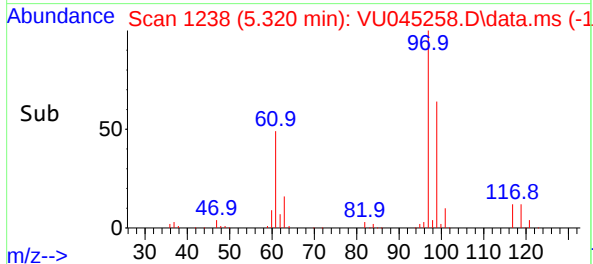
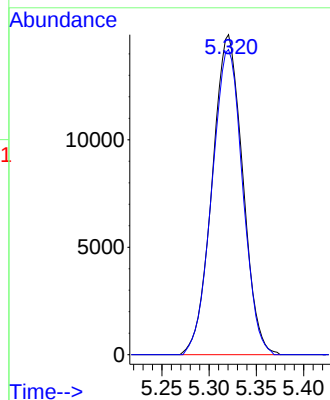
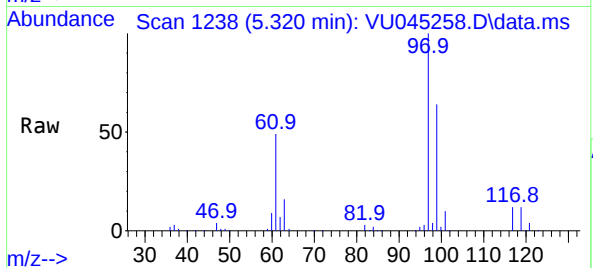




#31
Carbon tetrachloride
Concen: 11.188 ug/L
RT: 5.320 min Scan# 1238
Delta R.T. -0.209 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

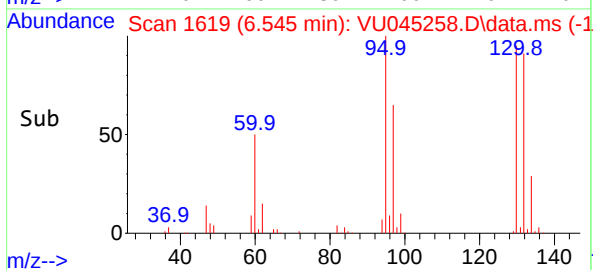
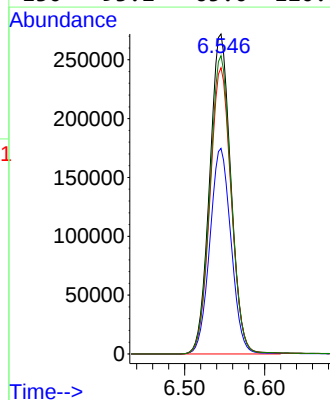
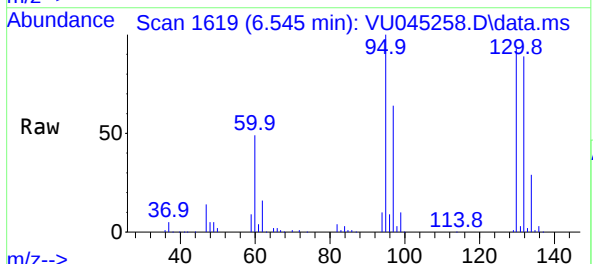
Instrument :
MSVOA_U
ClientSampled :

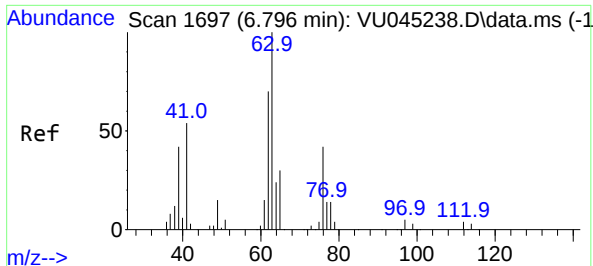
Tgt Ion:117 Resp: 33373
Ion Ratio Lower Upper
117 100
119 96.0 77.7 116.5



#34
Trichloroethene
Concen: 206.054 ug/L
RT: 6.545 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Tgt Ion: 95 Resp: 500824
Ion Ratio Lower Upper
95 100
97 64.3 44.4 82.4
132 89.5 62.9 116.9
130 93.2 65.0 120.8

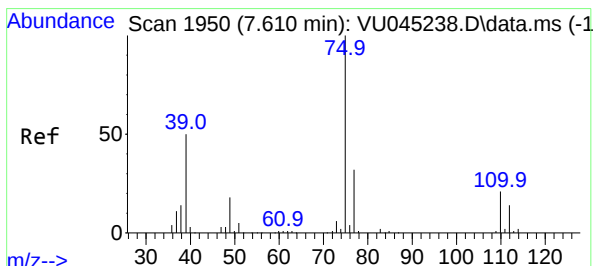
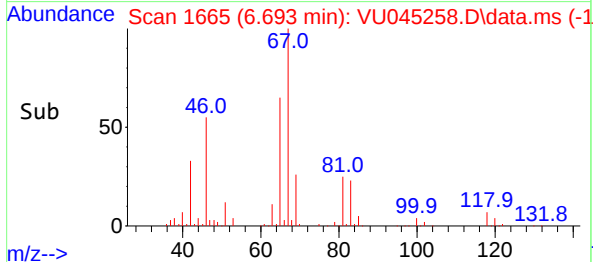
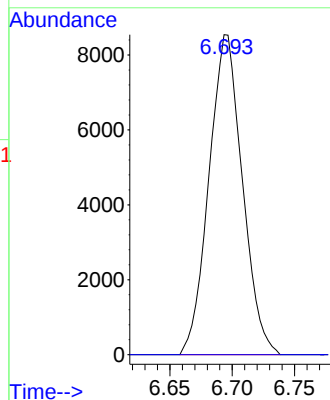
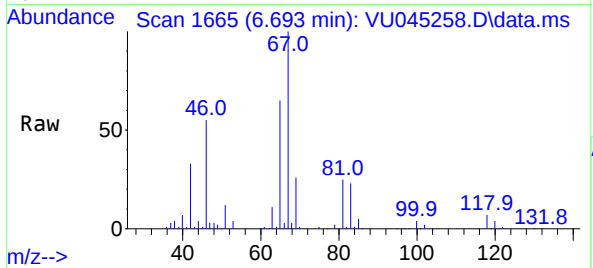




#37
1,2-Dichloropropane
Concen: 5.788 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

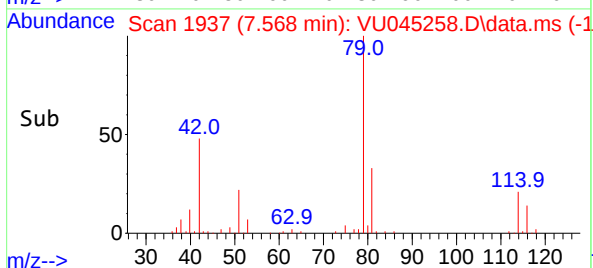
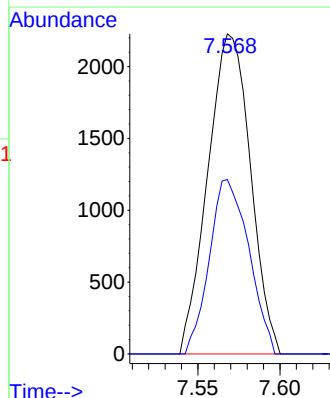
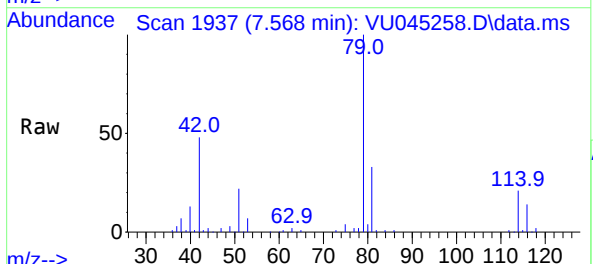
Instrument :
MSVOA_U
ClientSampleId :

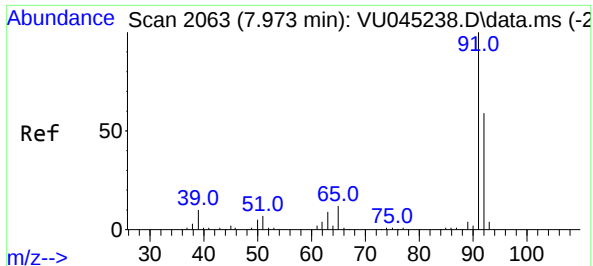
Tgt Ion: 63 Resp: 15947
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



#39
cis-1,3-Dichloropropene
Concen: 1.020 ug/L
RT: 7.568 min Scan# 1937
Delta R.T. -0.042 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Tgt Ion: 75 Resp: 4023
Ion Ratio Lower Upper
75 100
77 54.5 22.4 41.6#

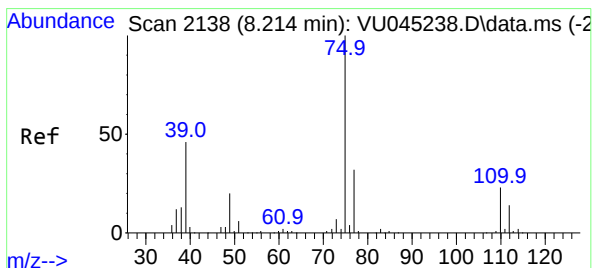
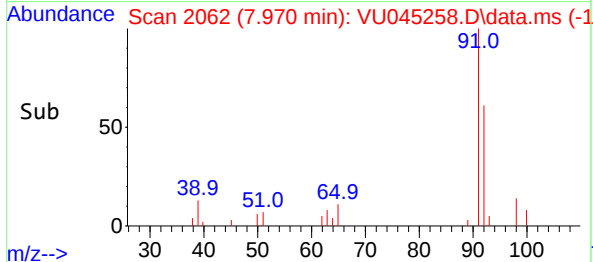
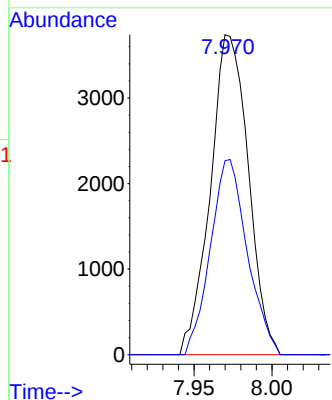
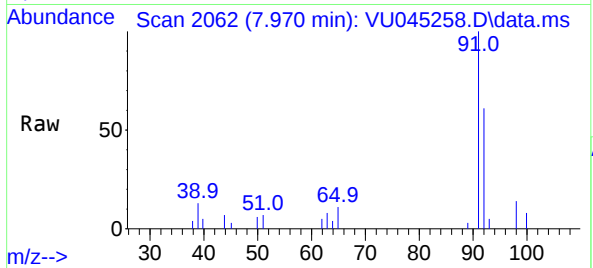




#42
Toluene
Concen: 0.616 ug/L
RT: 7.970 min Scan# 2062
Delta R.T. -0.003 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

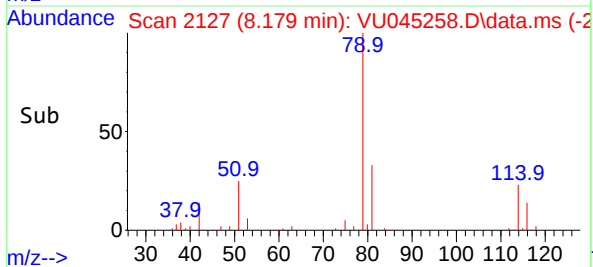
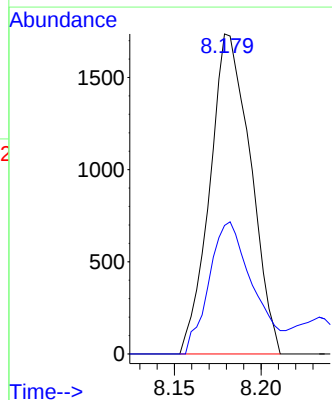
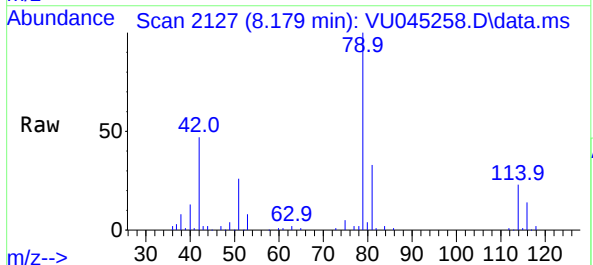
Instrument :
MSVOA_U
ClientSampled :

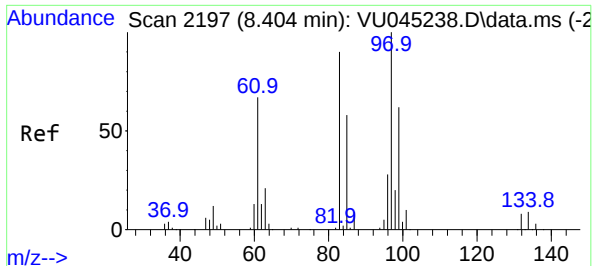
Tgt Ion: 91 Resp: 6335
Ion Ratio Lower Upper
91 100
92 60.6 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 0.757 ug/L
RT: 8.179 min Scan# 2127
Delta R.T. -0.036 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Tgt Ion: 75 Resp: 2838
Ion Ratio Lower Upper
75 100
77 40.1 21.7 40.3



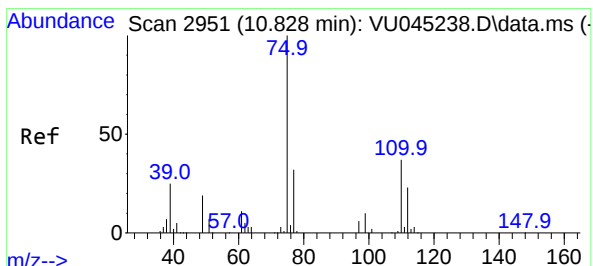
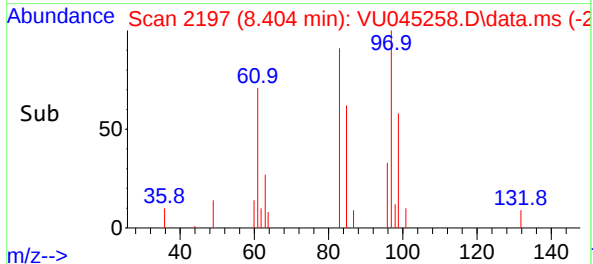
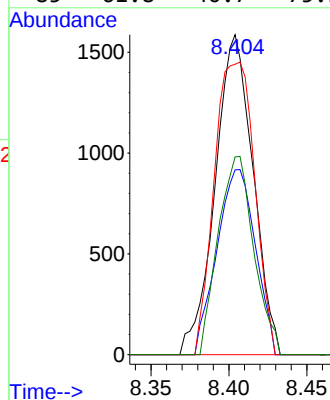
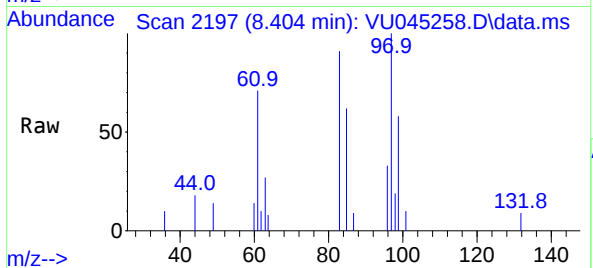


#45
1,1,2-Trichloroethane
Concen: 1.075 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 2685

Ion	Ratio	Lower	Upper
97	100		
99	57.7	43.7	81.1
83	90.7	61.9	115.1
85	61.8	40.7	75.5



#60
1,2,3-Trichloropropane
Concen: 4.848 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.984 min
Lab File: VU045258.D
Acq: 08 Oct 2021 17:50

Tgt Ion: 75 Resp: 16114

Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.5	38.3
110	1.9	29.0	43.4

