

Data File : VU033072.D
Acq On : 28 Jun 2019 14:42
Operator : JC/SP
Sample : K3597-05MSD
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM62MSD

Quant Time: Jun 29 00:35:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 29 00:32:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	96021	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	96406	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47622	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	18936	2.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.20%
7) Chloroethane-d5	1.68	69	18424	3.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.60%
11) 1,1-Dichloroethene-d2	2.27	63	51086	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.19	46	93204	48.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.08%
24) Chloroform-d	4.64	84	50976	3.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.80%
26) 1,2-Dichloroethane-d4	5.31	65	31057	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
32) Benzene-d6	5.33	84	92490	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.40%
36) 1,2-Dichloropropane-d6	6.32	67	31318	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	80.60%
41) Toluene-d8	7.56	98	79927	3.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.60%#
43) trans-1,3-Dichloropropene-	7.85	79	13211	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.31	63	60745	45.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	28270	4.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	35815	3.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.40%#

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.28	96	27921	4.369	ug/L 94
13) Acetone	2.32	43	4875	2.981	ug/L 99
18) trans-1,2-Dichloroethene	2.97	96	6267	0.896	ug/L 95
21) 2-Butanone	4.29	43	2642	1.148	ug/L # 63
22) cis-1,2-Dichloroethene	4.22	96	112164	14.758	ug/L 98
27) 1,2-Dichloroethane	5.38	62	1327	0.139	ug/L # 79
33) Benzene	5.38	78	132310	4.655	ug/L 100
34) Trichloroethene	6.18	95	41952	5.390	ug/L 95
35) Methylcyclohexane	6.32	83	7632	0.659	ug/L # 15
37) 1,2-Dichloropropane	6.32	63	3773	0.495	ug/L # 87
42) Toluene	7.63	91	137236	4.520	ug/L 99
47) Tetrachloroethene	8.22	164	12572	2.008	ug/L 98
48) 2-Hexanone	8.36	43	6062	1.613	ug/L # 91
49) Dibromochloromethane	8.22	129	11358	1.675	ug/L # 11
51) Chlorobenzene	9.11	112	93371	4.655	ug/L 98
59) 1,2,3-Trichloropropane	11.48	75	5868	1.150	ug/L # 86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062919\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 29 00:32:07 2019
Response via : Initial Calibration

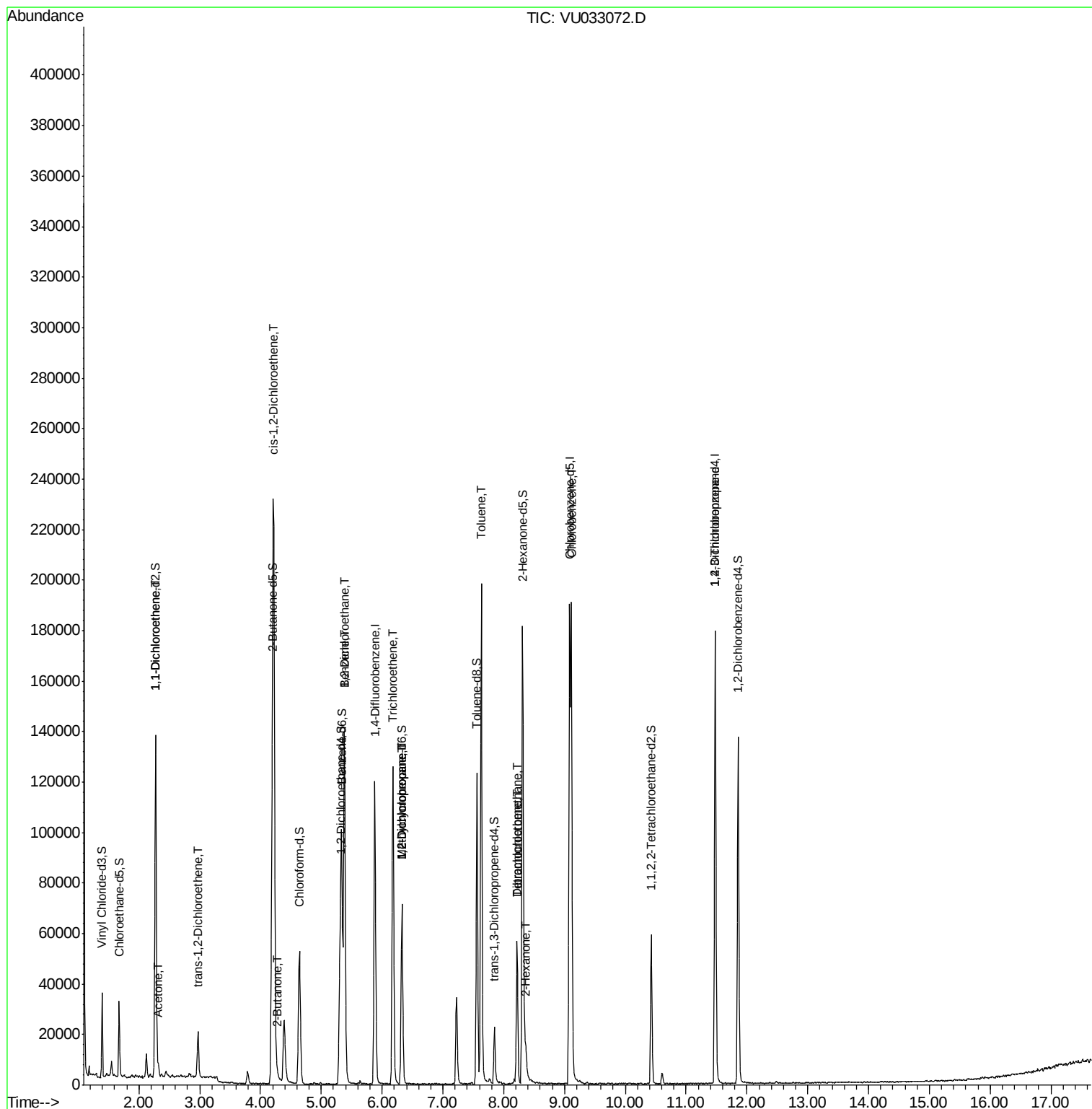
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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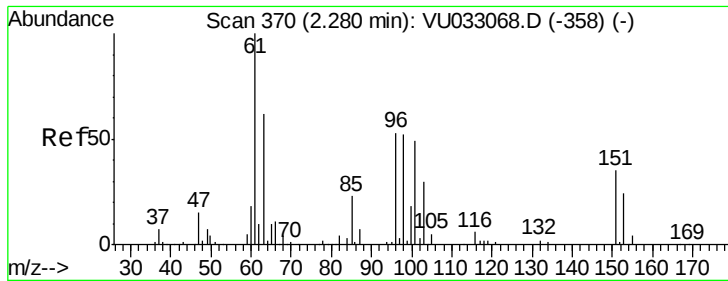
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.369 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU033072.D

Acq: 28 Jun 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

GAM62MSD

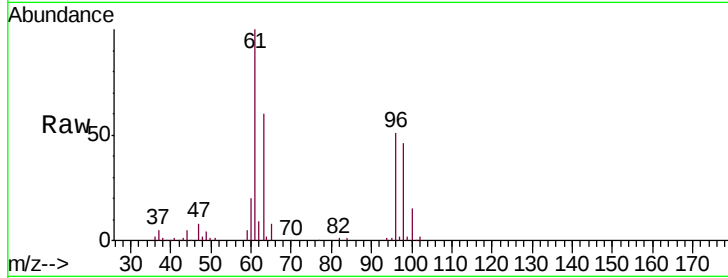
Tgt Ion: 96 Resp: 27921

Ion Ratio Lower Upper

96 100

61 196.4 137.6 255.6

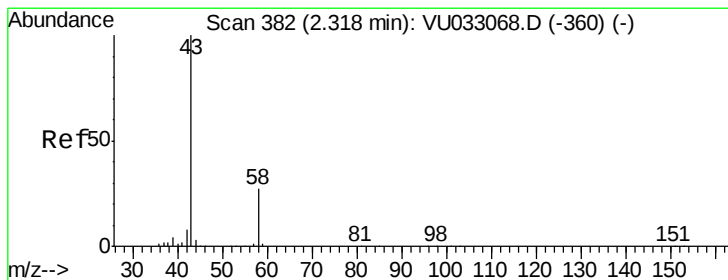
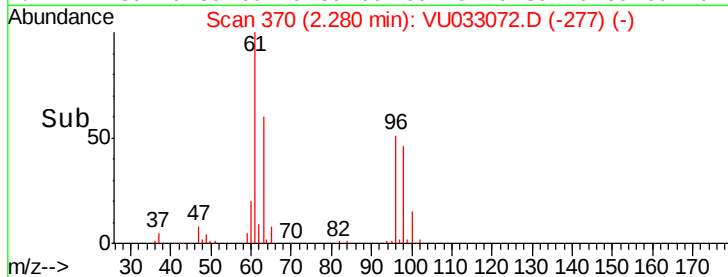
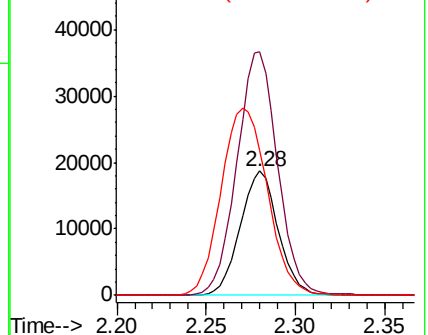
63 117.0 94.4 175.2



Abundance Ion 96.00 (95.70 to 96.70): VU033068.D (-358) (-)

Ion 61.05 (60.75 to 61.75): VU033068.D (-358) (-)

Ion 63.00 (62.70 to 63.70): VU033068.D (-358) (-)



#13

Acetone

Concen: 2.981 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VU033072.D

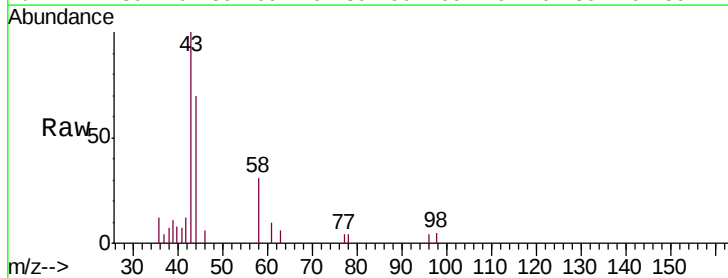
Acq: 28 Jun 2019 14:42

Tgt Ion: 43 Resp: 4875

Ion Ratio Lower Upper

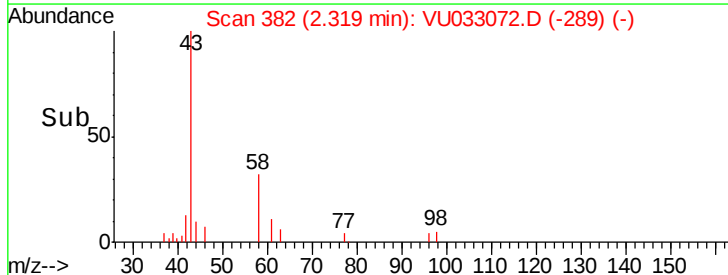
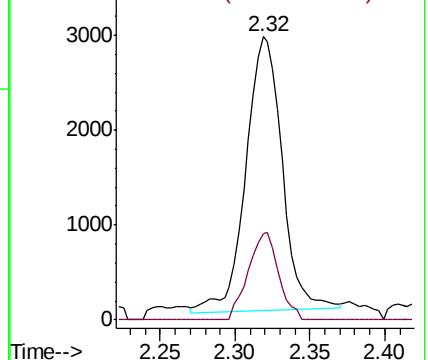
43 100

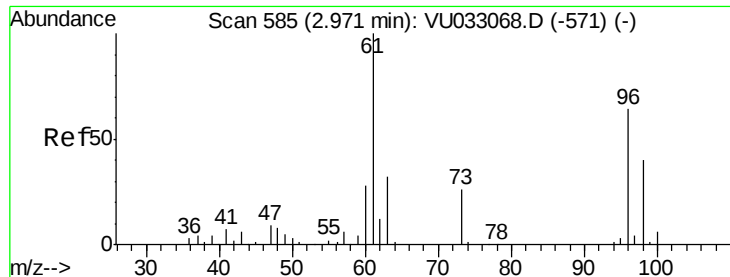
58 26.5 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VU033068.D (-360) (-)

Ion 58.05 (57.75 to 58.75): VU033068.D (-360) (-)

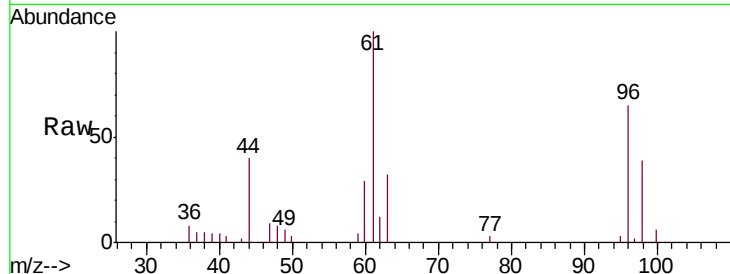




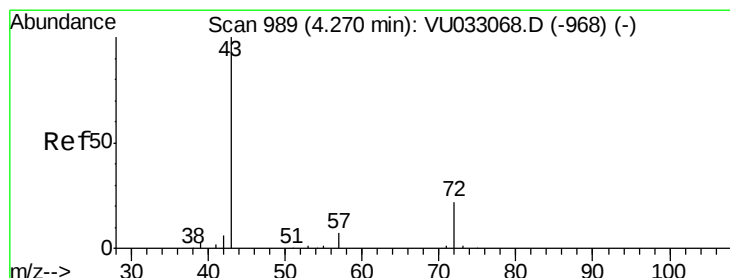
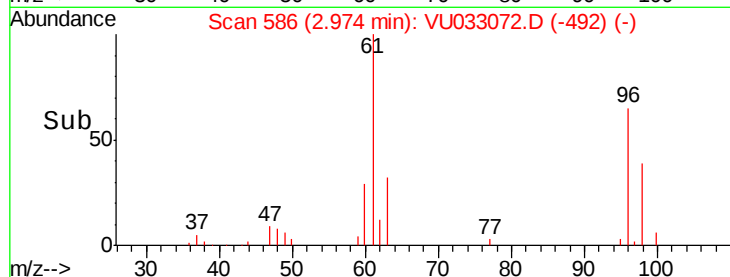
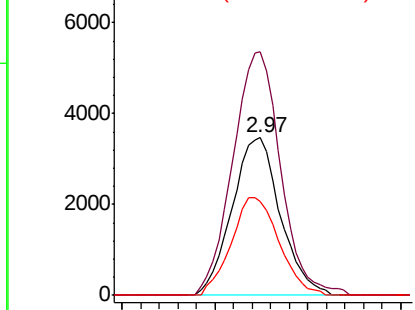
#18
trans-1,2-Dichloroethene
Concen: 0.896 ug/L
RT: 2.97 min Scan# 586
Delta R.T. 0.00 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
GAM62MSD

Tgt Ion: 96 Resp: 6267
Ion Ratio Lower Upper
96 100
61 154.3 112.2 208.4
98 59.8 45.4 84.4

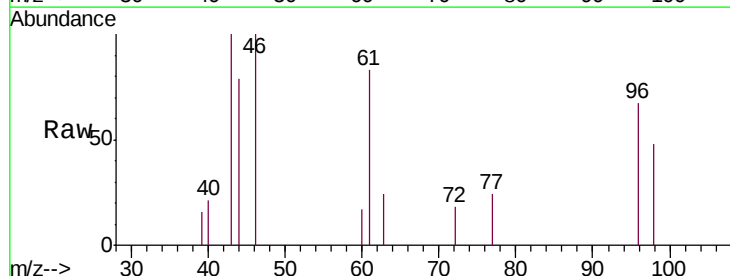


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

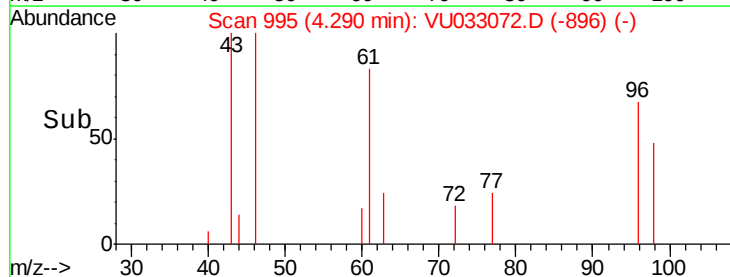
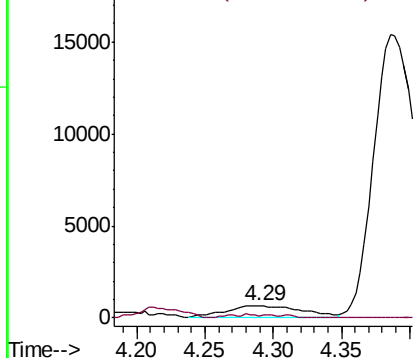


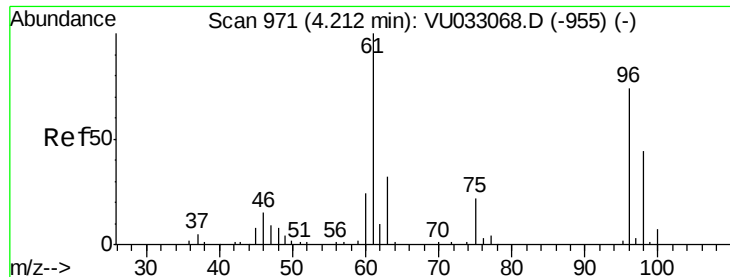
#21
2-Butanone
Concen: 1.148 ug/L
RT: 4.29 min Scan# 995
Delta R.T. 0.02 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

Tgt Ion: 43 Resp: 2642
Ion Ratio Lower Upper
43 100
72 4.9 11.5 34.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 72.10 (71.80 to 72.80): VU0



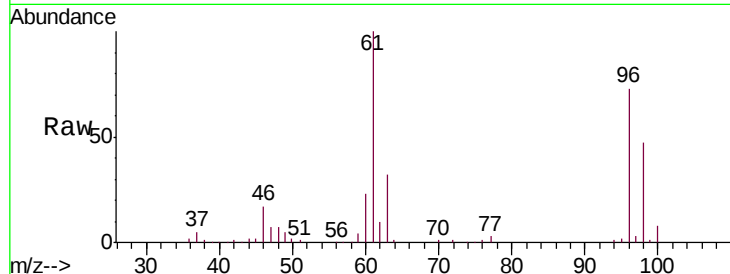


#22

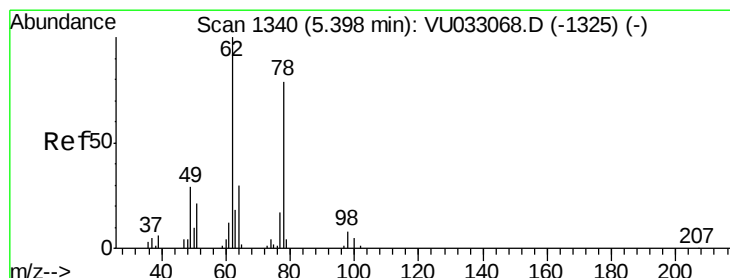
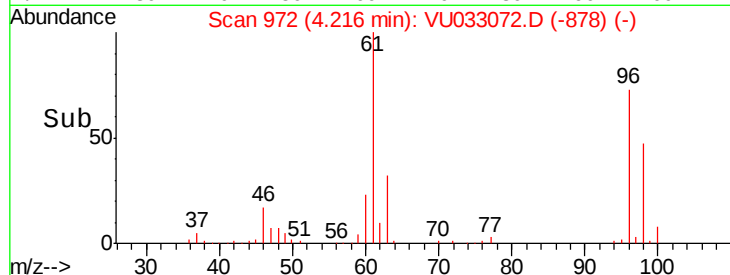
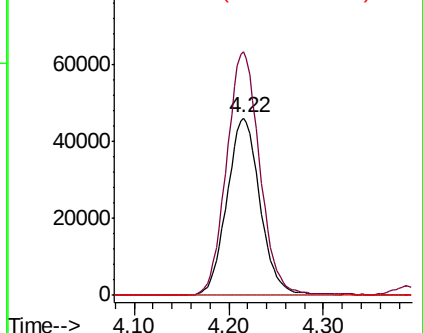
cis-1,2-Dichloroethene
Concen: 14.758 ug/L
RT: 4.22 min Scan# 972
Delta R.T. 0.00 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
GAM62MSD

Tgt Ion: 96 Resp: 112164
Ion Ratio Lower Upper
96 100
61 137.5 94.6 175.8
68 0.0 0.0 0.0



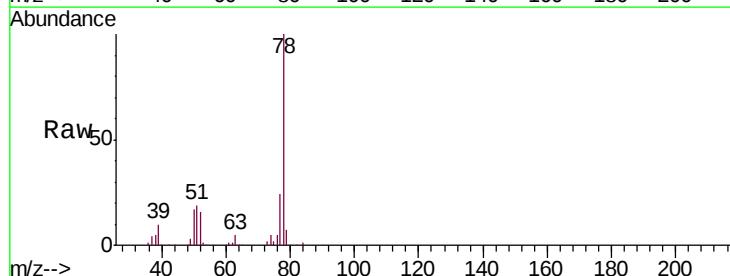
Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 68.15 (67.85 to 68.85): VU0



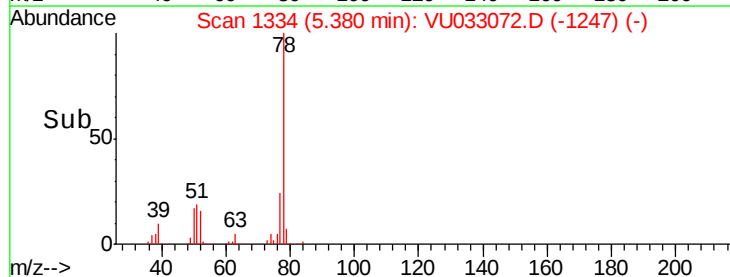
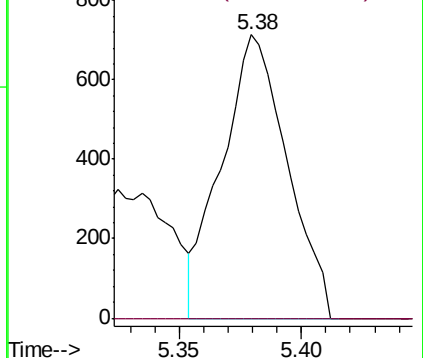
#27

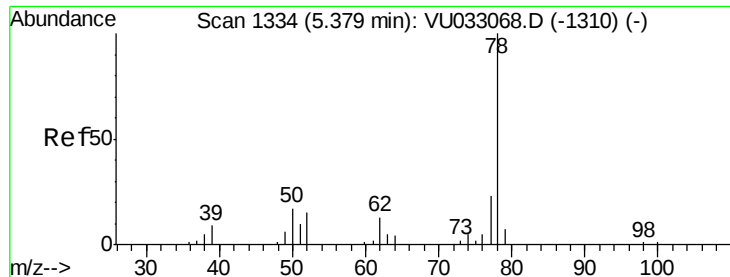
1,2-Dichloroethane
Concen: 0.139 ug/L
RT: 5.38 min Scan# 1334
Delta R.T. -0.02 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

Tgt Ion: 62 Resp: 1327
Ion Ratio Lower Upper
62 100
98 0.0 5.8 8.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 98.05 (97.75 to 98.75): VU0





#33

Benzene

Concen: 4.655 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU033072.D

Acq: 28 Jun 2019 14:42

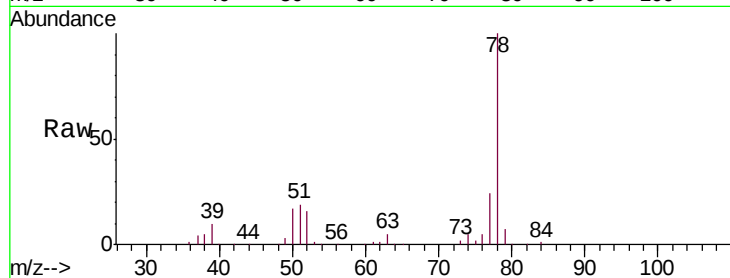
Instrument :

MSVOA_U

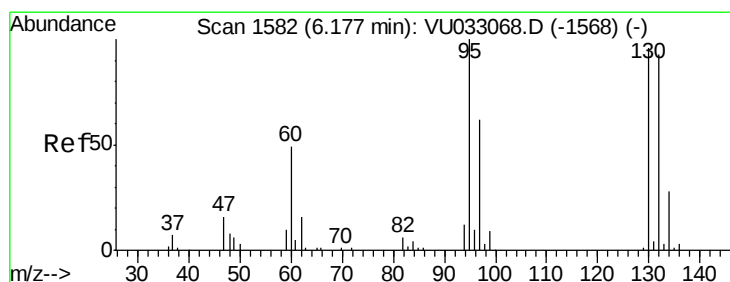
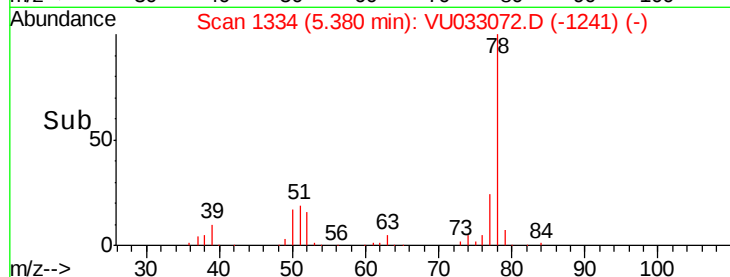
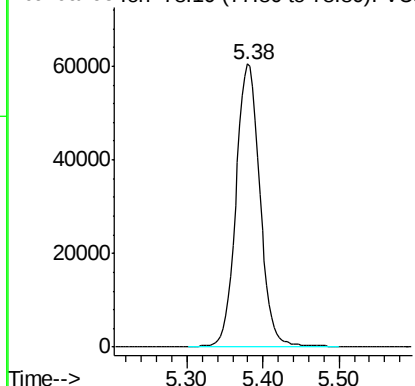
ClientSampleId :

GAM62MSD

Tgt Ion: 78 Resp: 132310



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.390 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU033072.D

Acq: 28 Jun 2019 14:42

Tgt Ion: 95 Resp: 41952

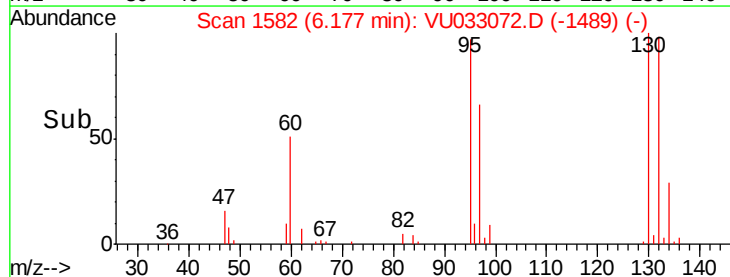
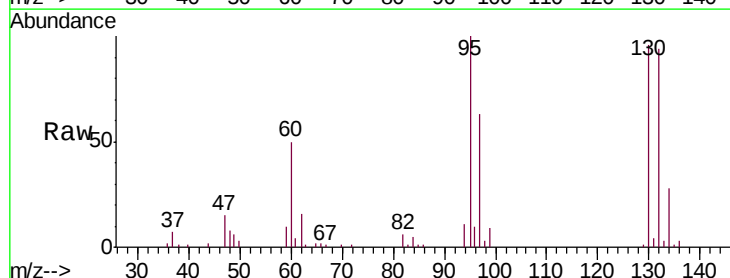
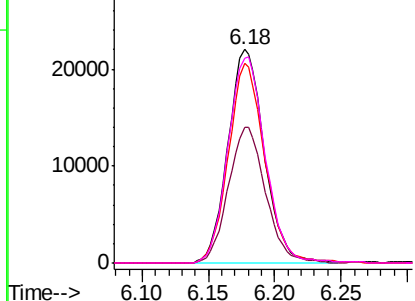
Ion	Ratio	Lower	Upper
95	100		
97	63.3	46.0	85.4
132	93.6	68.6	127.4
130	96.0	71.1	132.1

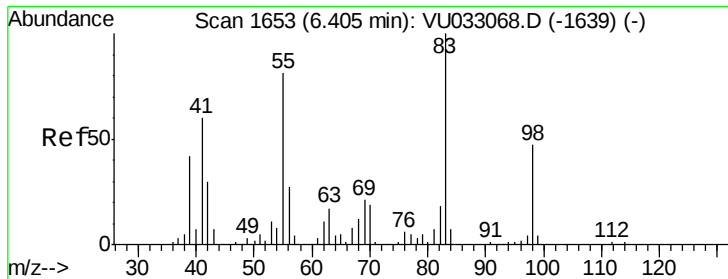
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

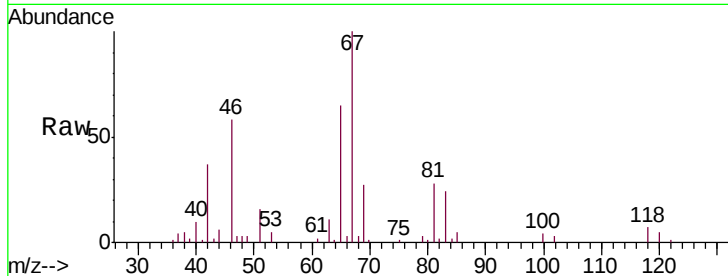




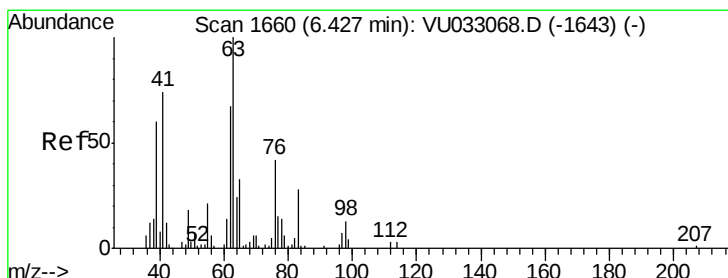
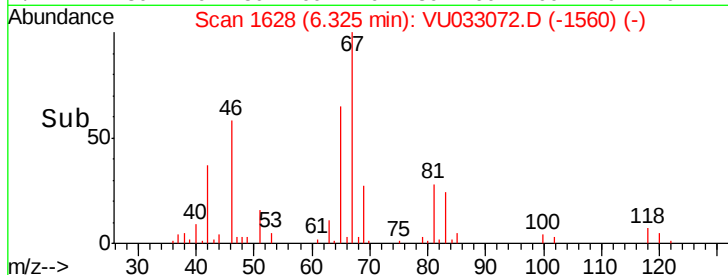
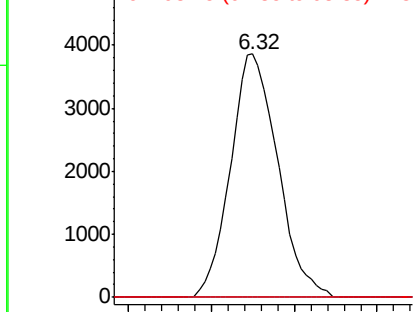
#35
Methylcyclohexane
Concen: 0.659 ug/L
RT: 6.32 min Scan# 1628
Delta R.T. -0.08 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 83 Resp: 7632
Ion Ratio Lower Upper
83 100
55 0.0 67.0 100.4#
98 0.0 37.7 56.5#

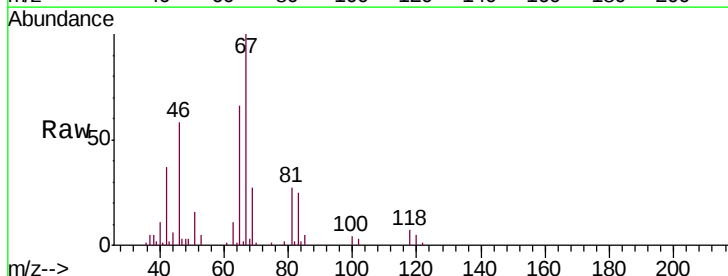


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

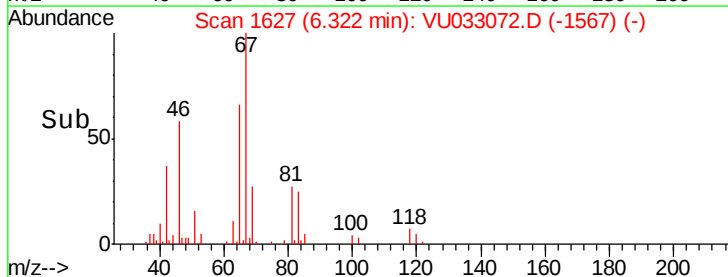
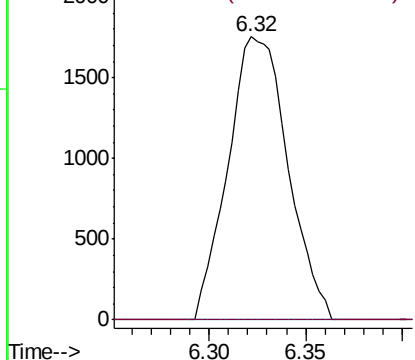


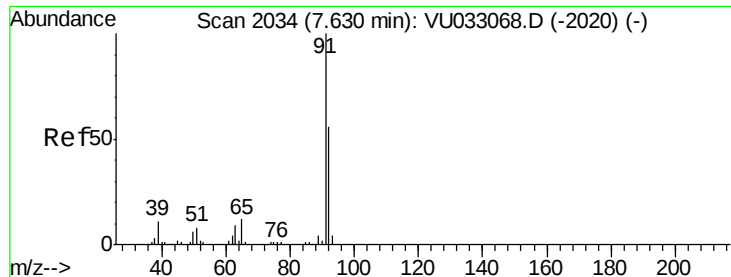
#37
1,2-Dichloropropane
Concen: 0.495 ug/L
RT: 6.32 min Scan# 1627
Delta R.T. -0.11 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

Tgt Ion: 63 Resp: 3773
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 4.520 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033072.D

Acq: 28 Jun 2019 14:42

Instrument :

MSVOA_U

ClientSampleId :

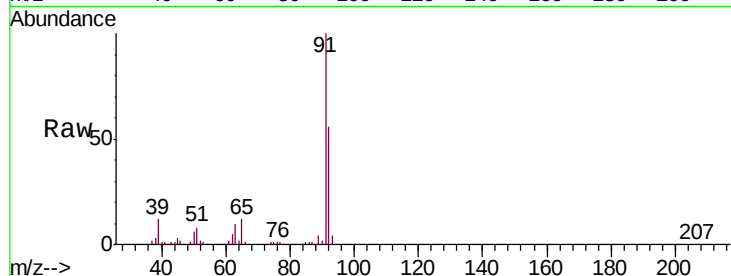
GAM62MSD

Tgt Ion: 91 Resp: 137236

Ion Ratio Lower Upper

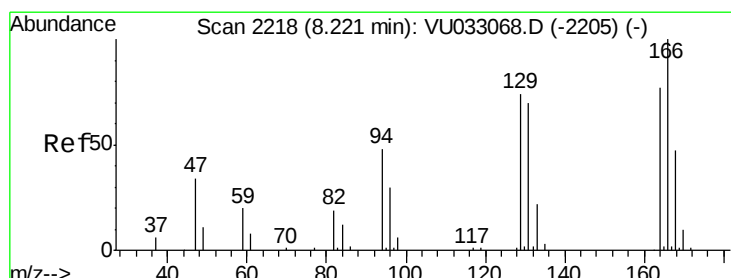
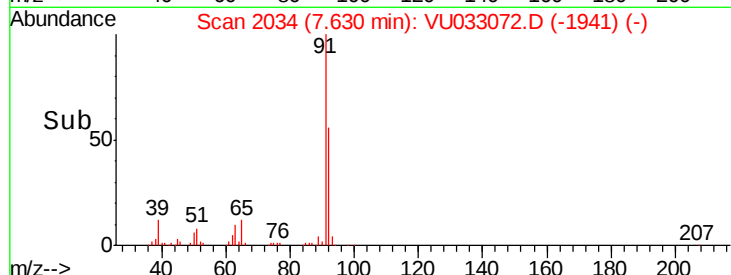
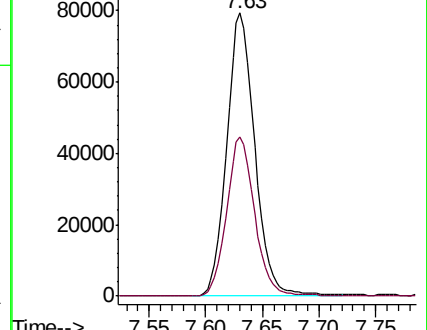
91 100

92 56.2 39.8 74.0



Abundance Ion 91.15 (90.85 to 91.85): VU033068.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU033068.D (-2020) (-)



#47

Tetrachloroethene

Concen: 2.008 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033072.D

Acq: 28 Jun 2019 14:42

Tgt Ion: 164 Resp: 12572

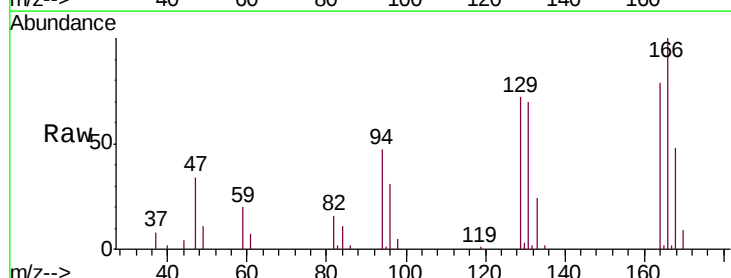
Ion Ratio Lower Upper

164 100

129 91.1 64.9 120.5

131 87.7 63.5 117.9

166 125.8 89.1 165.5

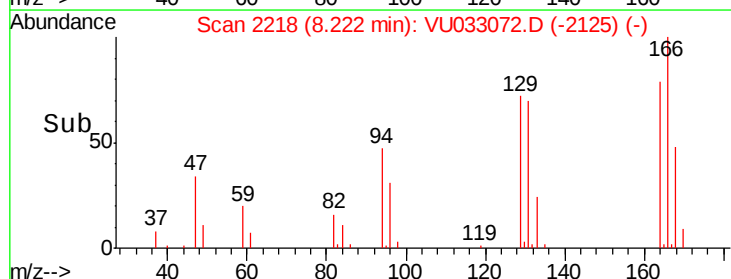
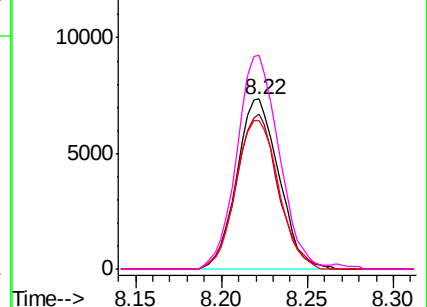


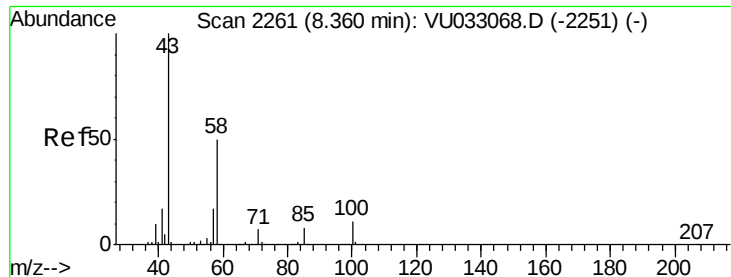
Abundance Ion 163.90 (163.60 to 164.60): VU033068.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU033068.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU033068.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU033068.D (-2205) (-)

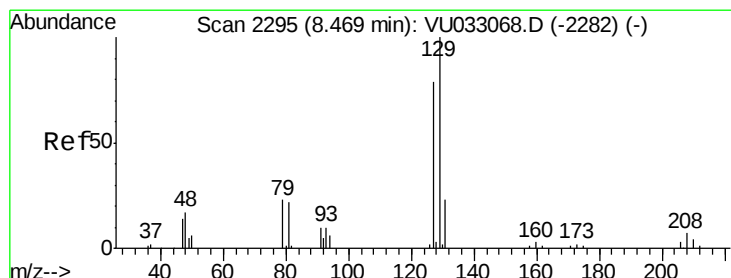
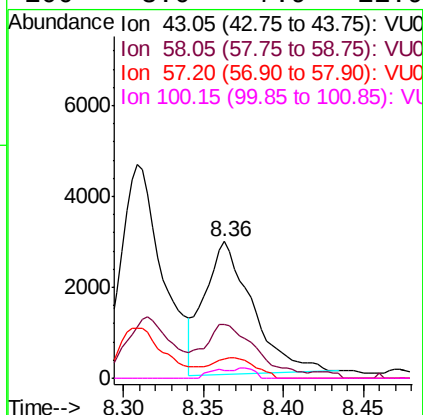
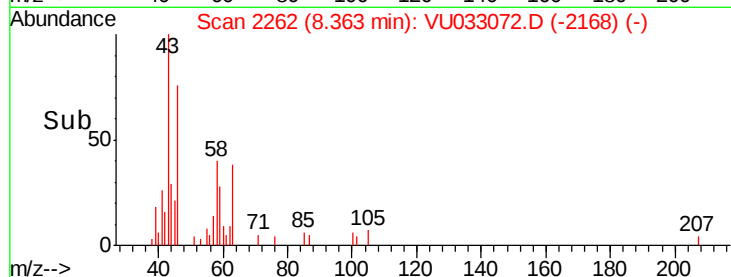
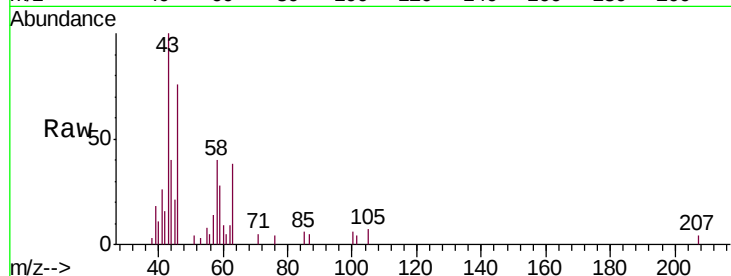




#48
2-Hexanone
Concen: 1.613 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

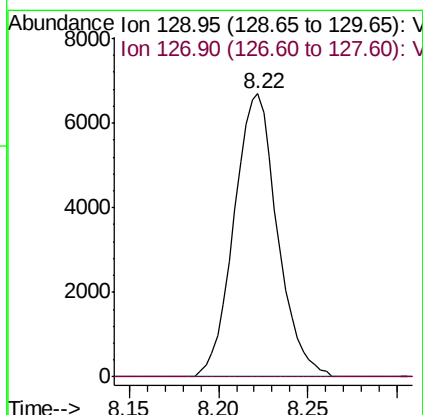
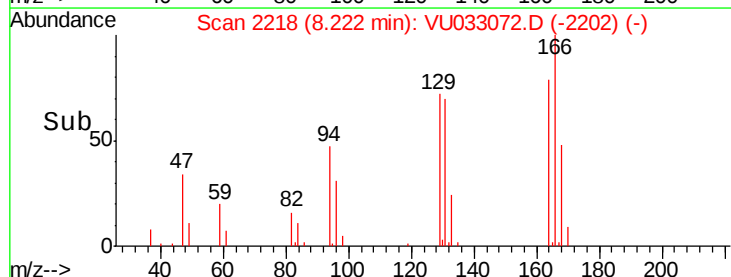
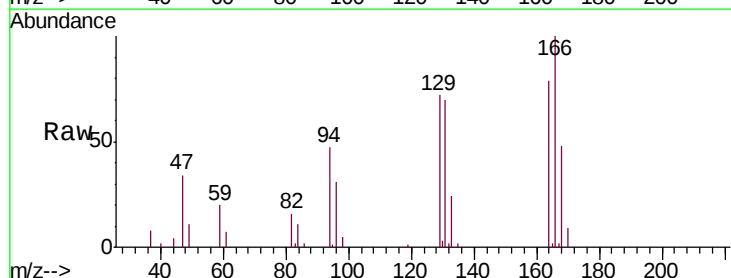
Instrument :
MSVOA_U
ClientSampleId :
GAM62MSD

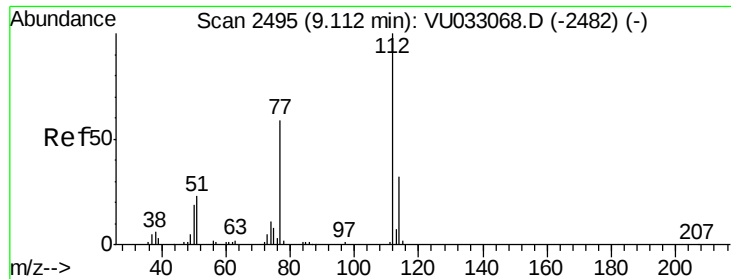
Tgt Ion: 43 Resp: 6062
Ion Ratio Lower Upper
43 100
58 44.9 40.0 60.0
57 13.9 14.0 21.0#
100 3.0 7.9 11.9#



#49
Dibromochloromethane
Concen: 1.675 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. -0.25 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

Tgt Ion: 129 Resp: 11358
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.4#

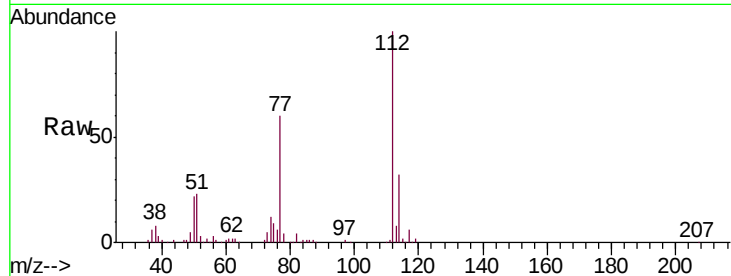




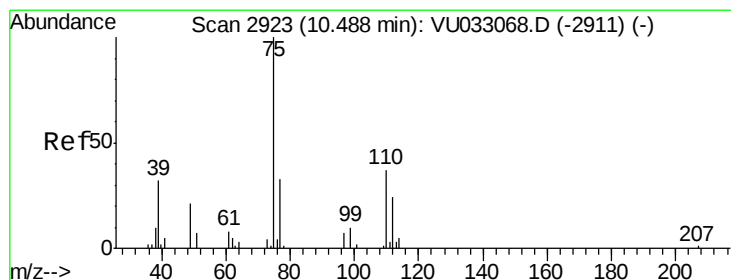
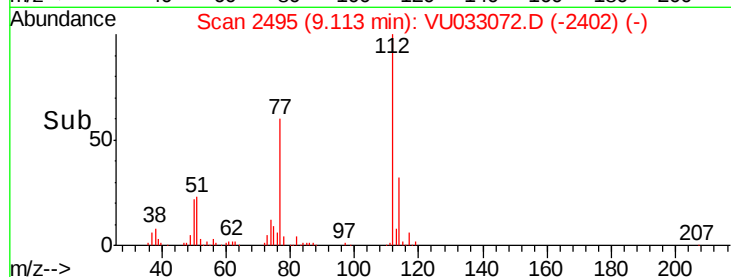
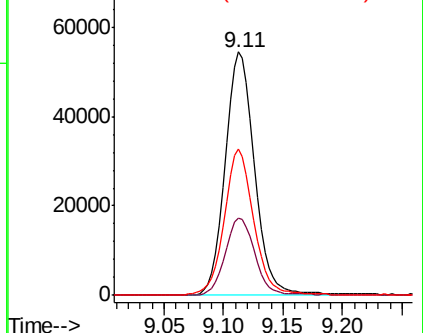
#51
Chlorobenzene
Concen: 4.655 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

Instrument :
MSVOA_U
ClientSampleId :
GAM62MSD

Tgt Ion: 112 Resp: 93371
Ion Ratio Lower Upper
112 100
114 31.9 23.3 43.3
77 60.0 48.9 73.3

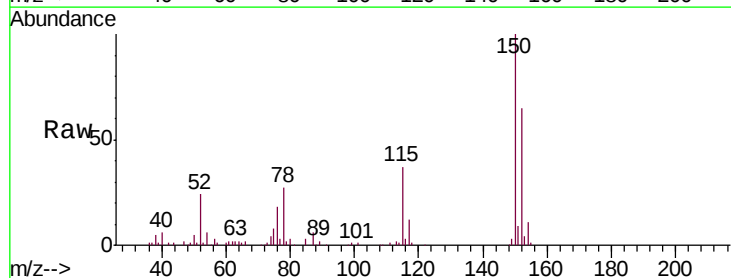


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 1.150 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033072.D
Acq: 28 Jun 2019 14:42

Tgt Ion: 75 Resp: 5868
Ion Ratio Lower Upper
75 100
77 39.7 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 77.00 (76.70 to 77.70): VU0

