

Data File : VU033071.D
Acq On : 28 Jun 2019 14:18
Operator : JC/SP
Sample : K3597-04MS
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAM62MS

Quant Time: Jun 29 00:35:26 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	94751	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	96168	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	48412	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	19676	3.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.40%
7) Chloroethane-d5	1.68	69	18988	3.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	73.60%
11) 1,1-Dichloroethene-d2	2.27	63	49924	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	4.19	46	93426	48.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.58%
24) Chloroform-d	4.64	84	51498	3.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.31	65	30894	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.60%
32) Benzene-d6	5.33	84	92378	3.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.60%
36) 1,2-Dichloropropane-d6	6.32	67	31915	4.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.40%
41) Toluene-d8	7.56	98	82045	3.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.60%
43) trans-1,3-Dichloropropene-	7.85	79	12943	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.31	63	64268	47.74	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.48%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	29365	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	37815	4.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.60%

Target Compounds

					Qvalue
12) 1,1-Dichloroethene	2.28	96	27775	4.404 ug/L	92
13) Acetone	2.32	43	5127	3.178 ug/L	99
18) trans-1,2-Dichloroethene	2.97	96	6265	0.907 ug/L	93
21) 2-Butanone	4.29	43	2708	1.192 ug/L #	72
22) cis-1,2-Dichloroethene	4.22	96	114960	15.329 ug/L	98
27) 1,2-Dichloroethane	5.38	62	1458	0.154 ug/L #	79
33) Benzene	5.38	78	128412	4.529 ug/L	100
34) Trichloroethene	6.18	95	40272	5.187 ug/L	99
35) Methylcyclohexane	6.32	83	7357	0.636 ug/L #	16
37) 1,2-Dichloropropane	6.32	63	4119	0.542 ug/L #	87
42) Toluene	7.63	91	132129	4.363 ug/L	100
47) Tetrachloroethene	8.22	164	12340	1.976 ug/L	98
48) 2-Hexanone	8.36	43	5831	1.555 ug/L #	90
49) Dibromochloromethane	8.22	129	10949	1.619 ug/L #	11
51) Chlorobenzene	9.11	112	88580	4.427 ug/L	99
59) 1,2,3-Trichloropropane	11.48	75	6487	1.275 ug/L	91

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

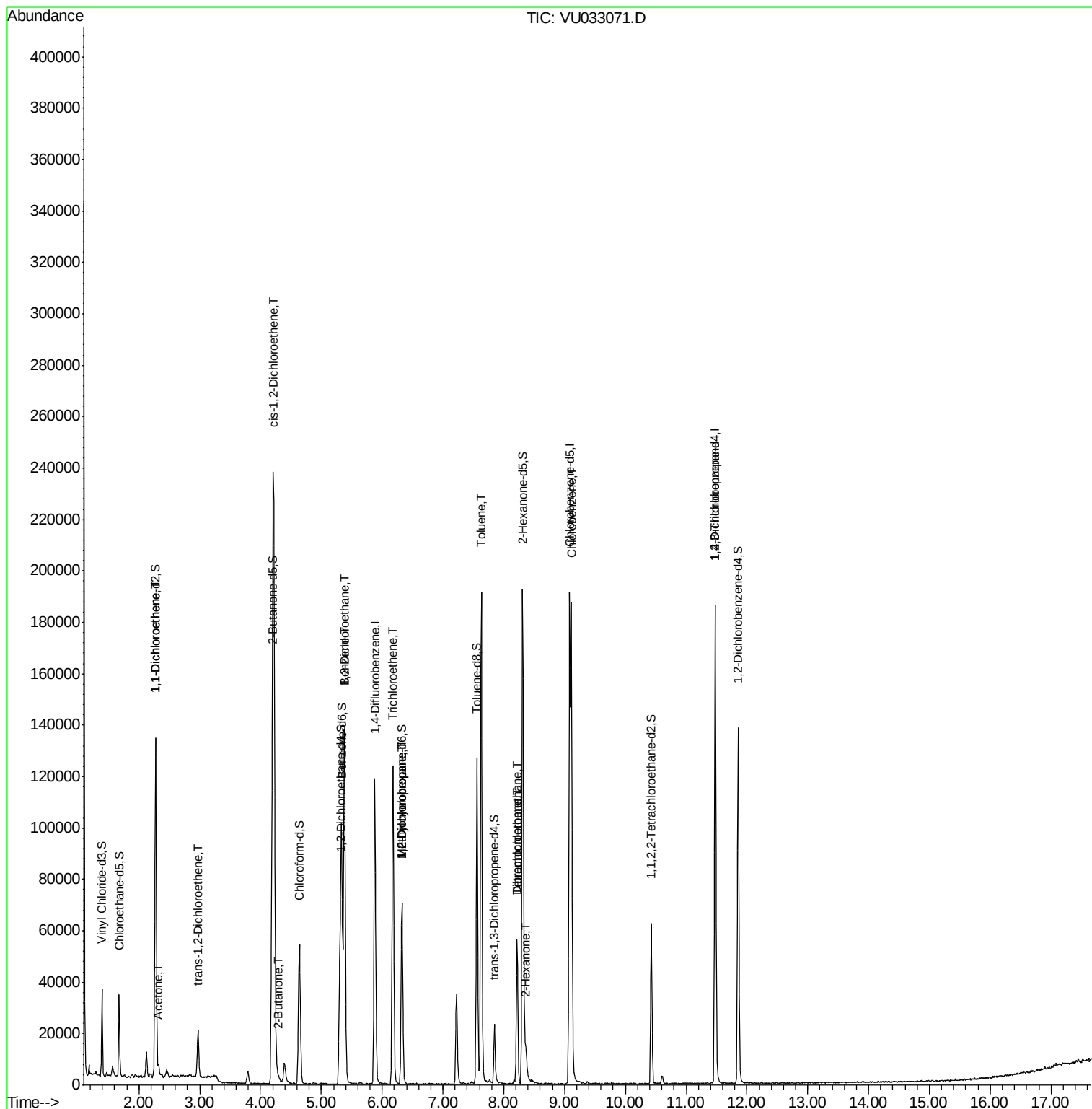
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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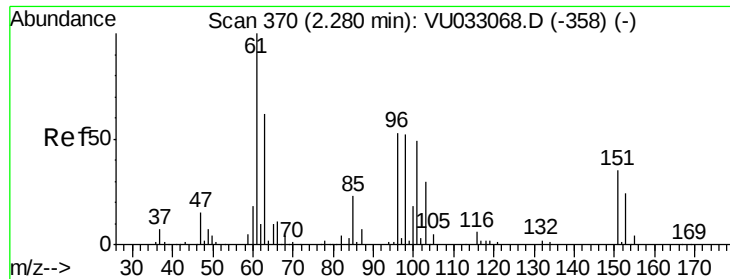
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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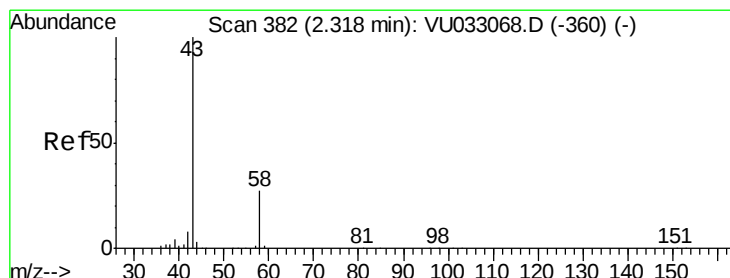
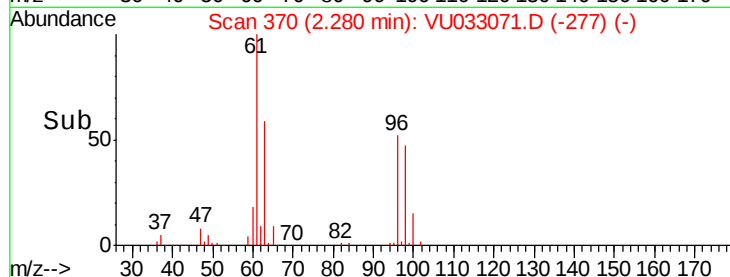
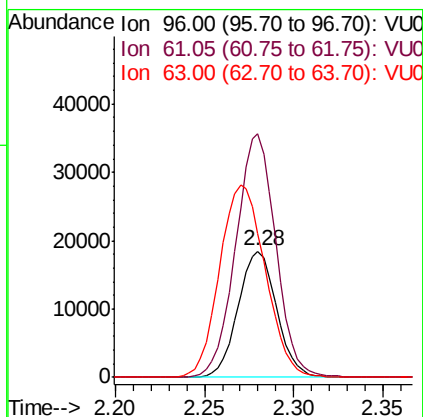
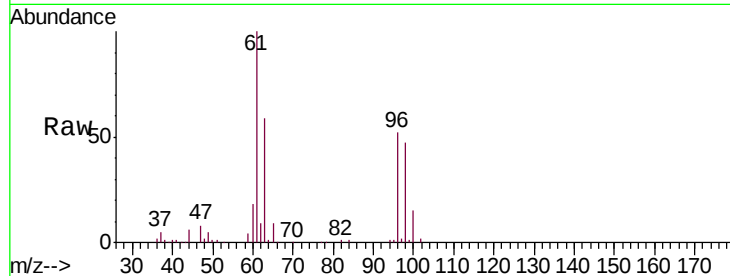




#12
 1,1-Dichloroethene
 Concen: 4.404 ug/L
 RT: 2.28 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VU033071.D
 Acq: 28 Jun 2019 14:18

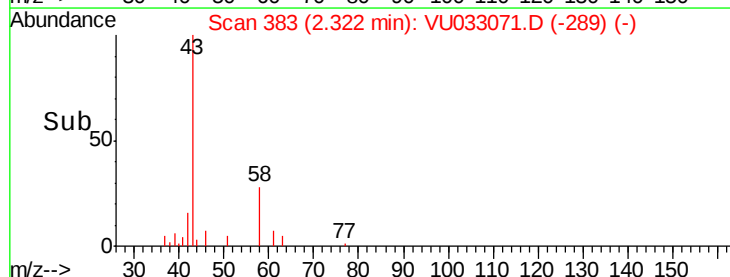
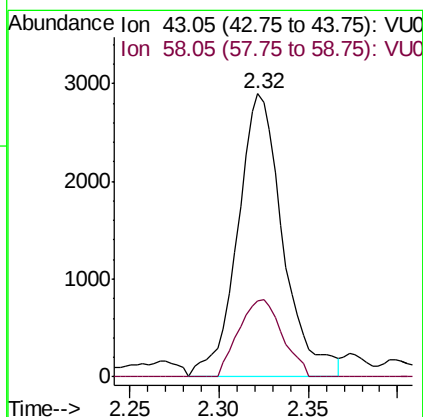
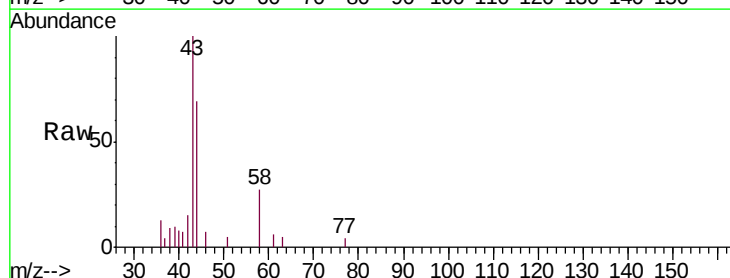
Instrument :
 MSVOA_U
 ClientSampleId :
 GAM62MS

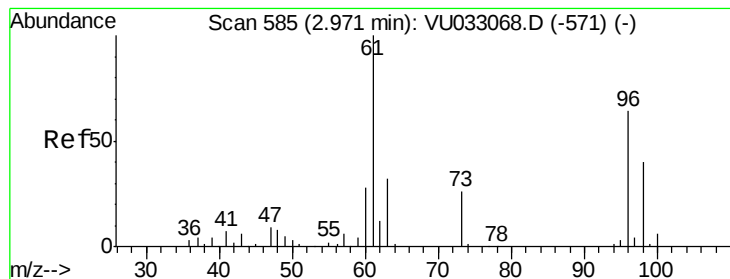
Tgt Ion: 96 Resp: 27775
 Ion Ratio Lower Upper
 96 100
 61 193.2 137.6 255.6
 63 114.4 94.4 175.2



#13
 Acetone
 Concen: 3.178 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VU033071.D
 Acq: 28 Jun 2019 14:18

Tgt Ion: 43 Resp: 5127
 Ion Ratio Lower Upper
 43 100
 58 26.3 0.0 51.8





#18

trans-1,2-Dichloroethene

Concen: 0.907 ug/L

RT: 2.97 min Scan# 585

Delta R.T. 0.00 min

Lab File: VU033071.D

Acq: 28 Jun 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

GAM62MS

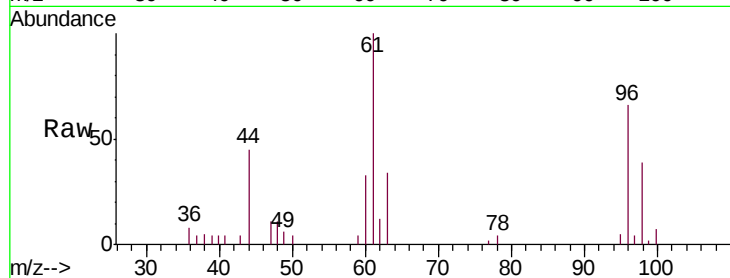
Tgt Ion: 96 Resp: 6265

Ion Ratio Lower Upper

96 100

61 151.0 112.2 208.4

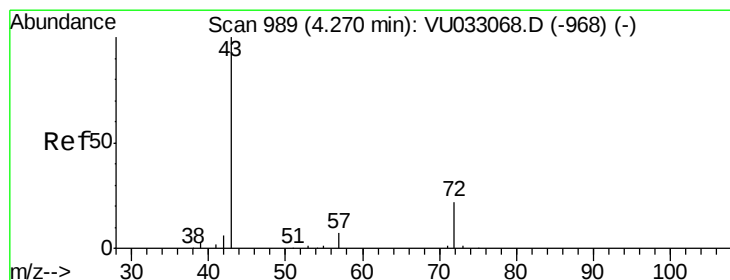
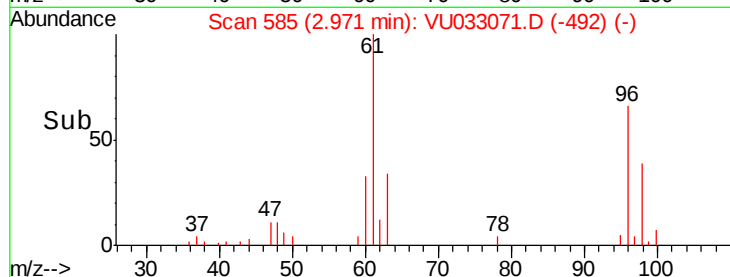
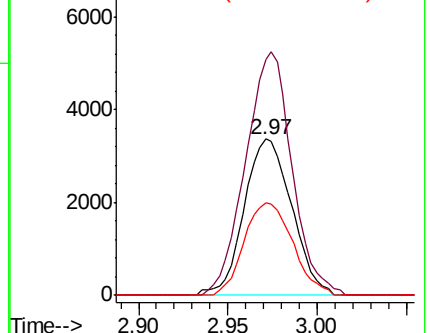
98 58.9 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU033068.D (-571) (-)

Ion 61.05 (60.75 to 61.75): VU033068.D (-571) (-)

Ion 97.95 (97.65 to 98.65): VU033068.D (-571) (-)



#21

2-Butanone

Concen: 1.192 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.02 min

Lab File: VU033071.D

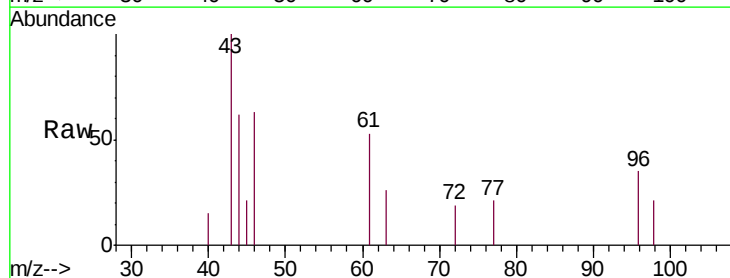
Acq: 28 Jun 2019 14:18

Tgt Ion: 43 Resp: 2708

Ion Ratio Lower Upper

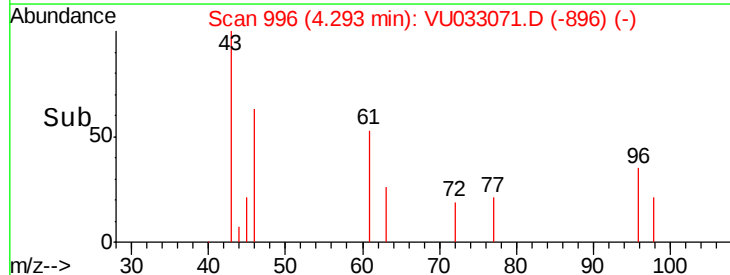
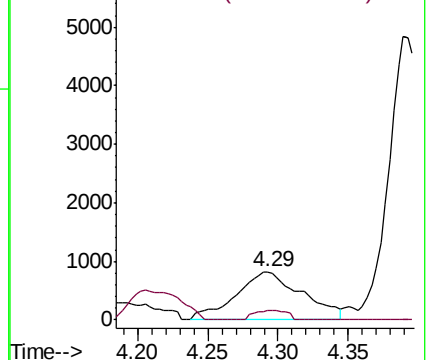
43 100

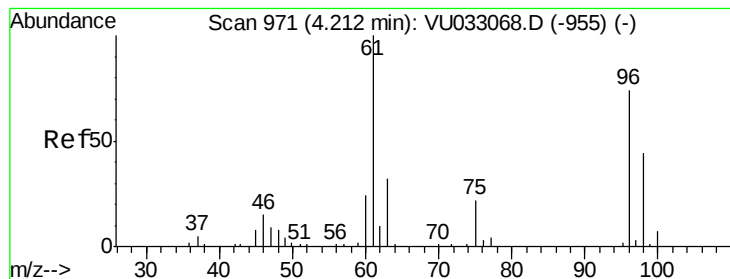
72 9.5 11.5 34.5#



Abundance Ion 43.05 (42.75 to 43.75): VU033068.D (-968) (-)

Ion 72.10 (71.80 to 72.80): VU033068.D (-968) (-)



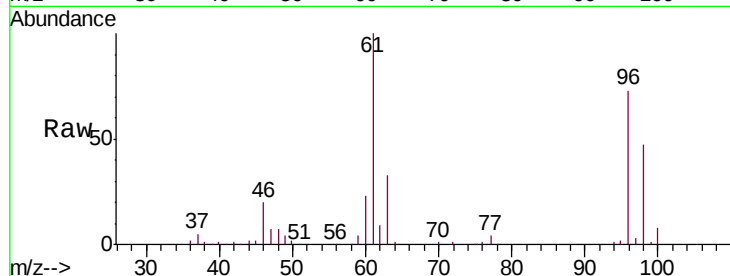


#22

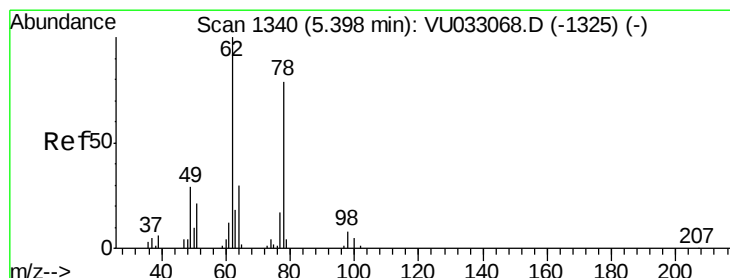
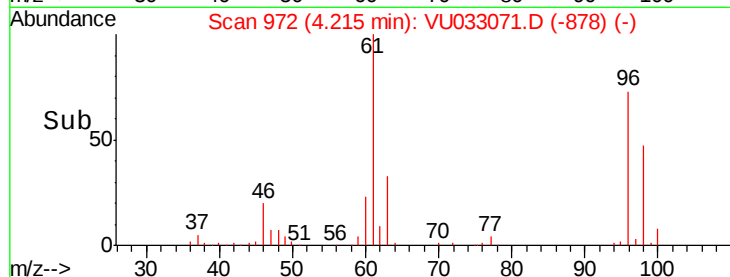
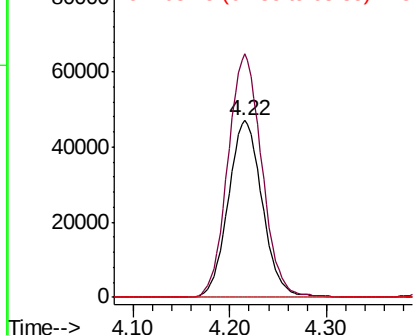
cis-1,2-Dichloroethene
 Concen: 15.329 ug/L
 RT: 4.22 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VU033071.D
 Acq: 28 Jun 2019 14:18

Instrument :
 MSVOA_U
 ClientSampleId :
 GAM62MS

Tgt Ion: 96 Resp: 114960
 Ion Ratio Lower Upper
 96 100
 61 137.8 94.6 175.8
 68 0.0 0.0 0.0



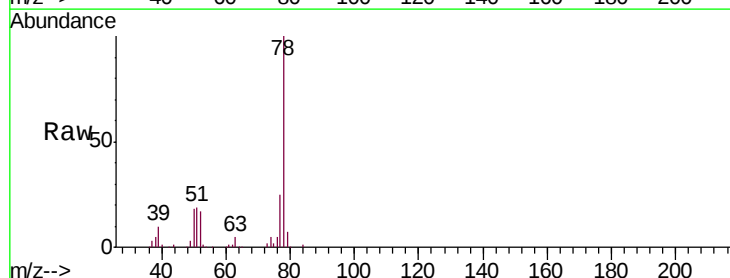
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



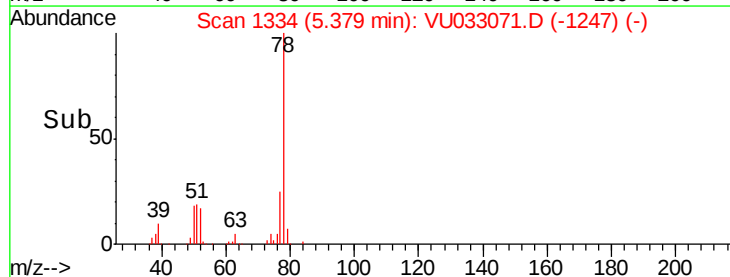
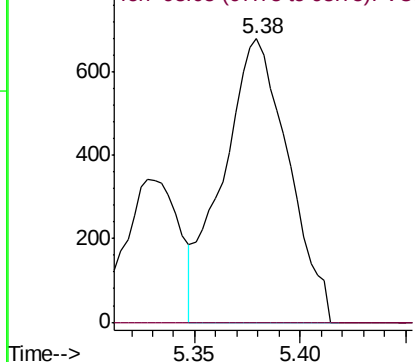
#27

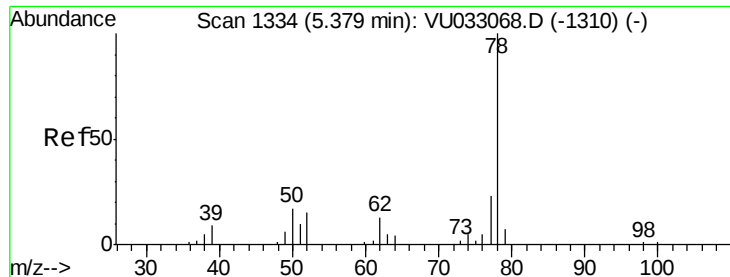
1,2-Dichloroethane
 Concen: 0.154 ug/L
 RT: 5.38 min Scan# 1334
 Delta R.T. -0.02 min
 Lab File: VU033071.D
 Acq: 28 Jun 2019 14:18

Tgt Ion: 62 Resp: 1458
 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: 4.529 ug/L

RT: 5.38 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VU033071.D

Acq: 28 Jun 2019 14:18

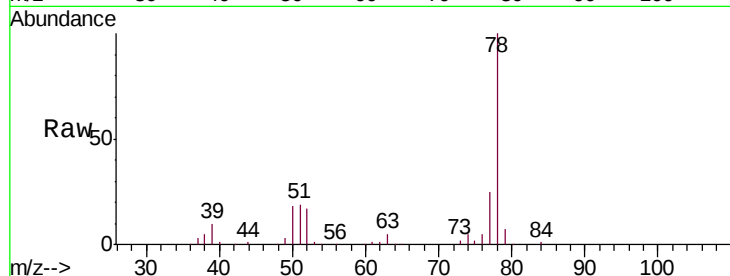
Instrument :

MSVOA_U

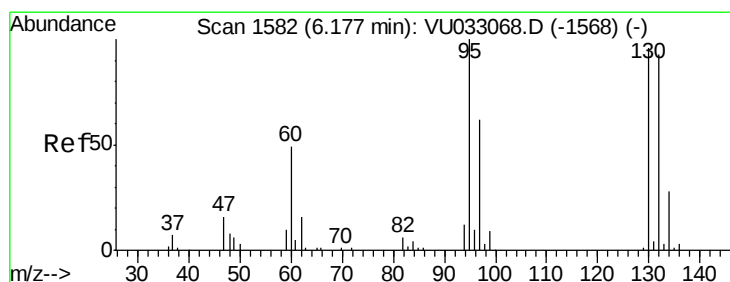
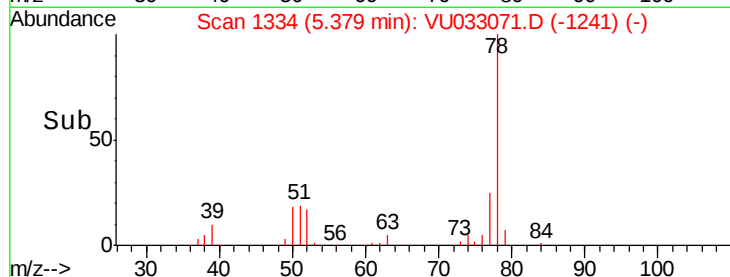
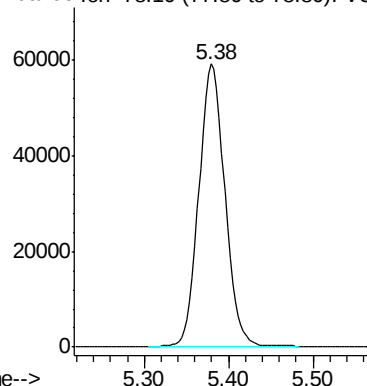
ClientSampleId :

GAM62MS

Tgt Ion: 78 Resp: 128412



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 5.187 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VU033071.D

Acq: 28 Jun 2019 14:18

Tgt Ion: 95 Resp: 40272

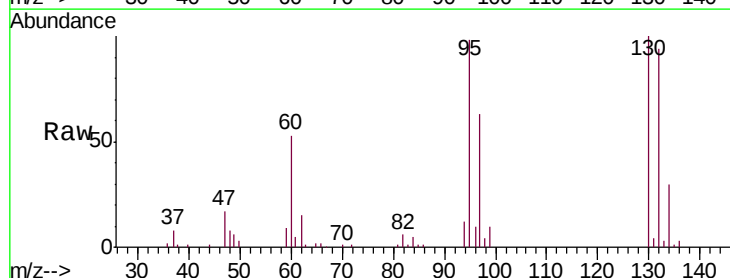
Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.0	85.4
132	96.2	68.6	127.4
130	101.9	71.1	132.1

95 100

97 64.3 46.0 85.4

132 96.2 68.6 127.4

130 101.9 71.1 132.1

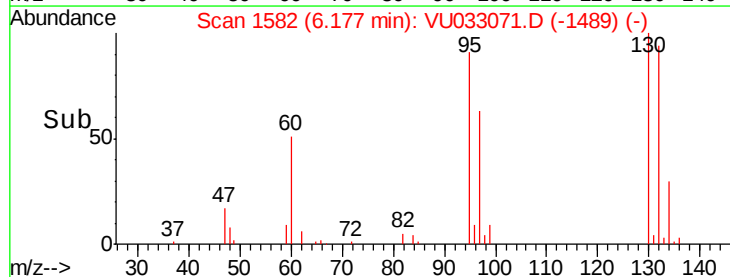
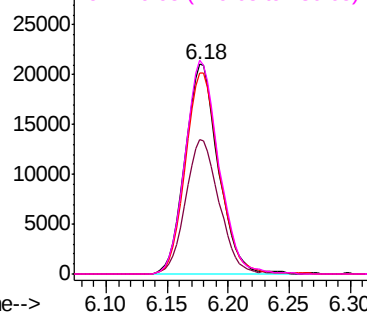


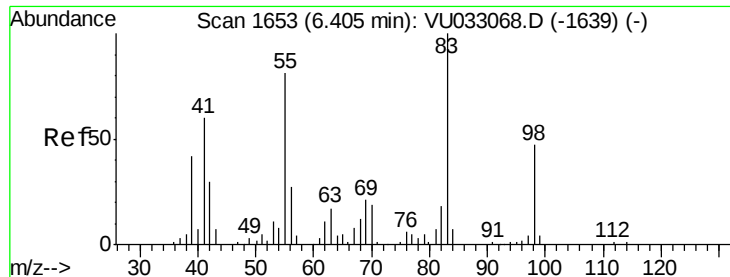
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.636 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU033071.D

Acq: 28 Jun 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

GAM62MS

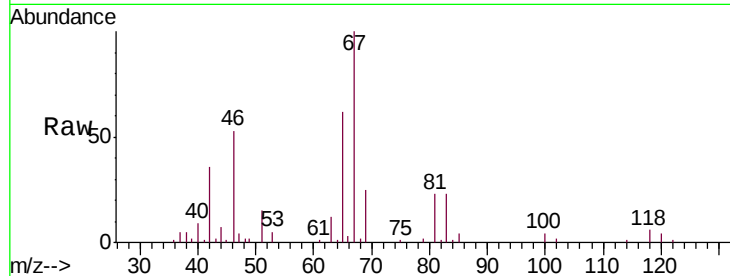
Tgt Ion: 83 Resp: 7357

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.4#

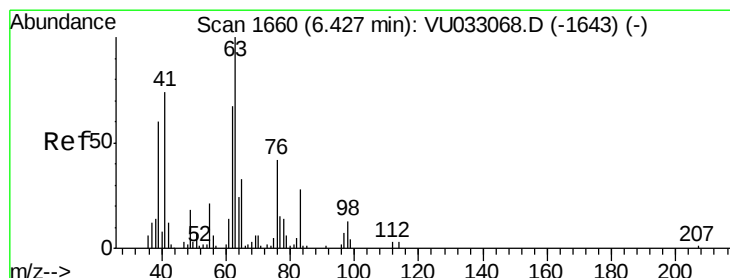
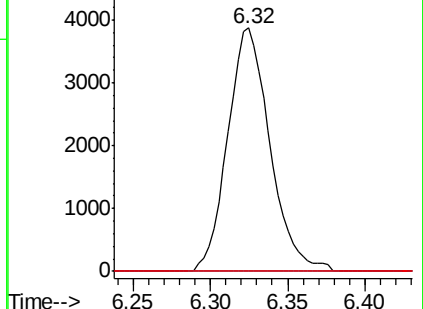
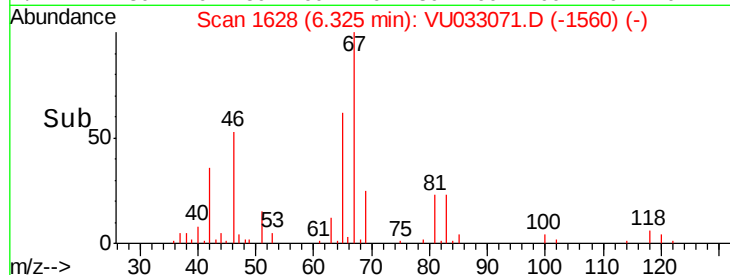
98 1.4 37.7 56.5#



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: 0.542 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VU033071.D

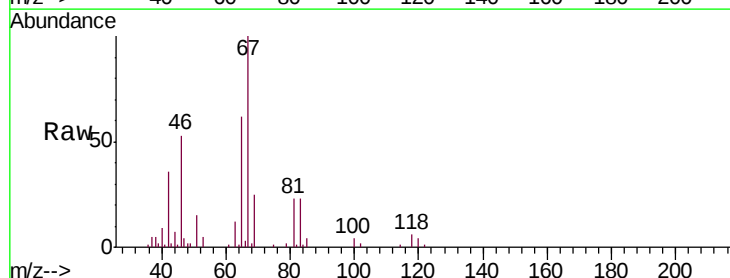
Acq: 28 Jun 2019 14:18

Tgt Ion: 63 Resp: 4119

Ion Ratio Lower Upper

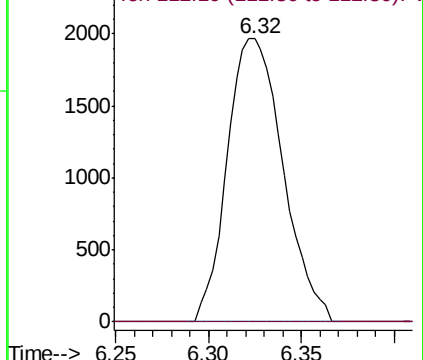
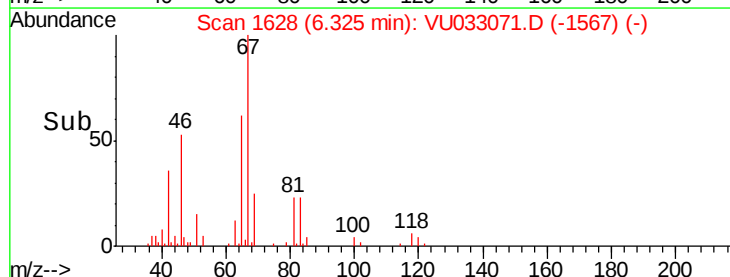
63 100

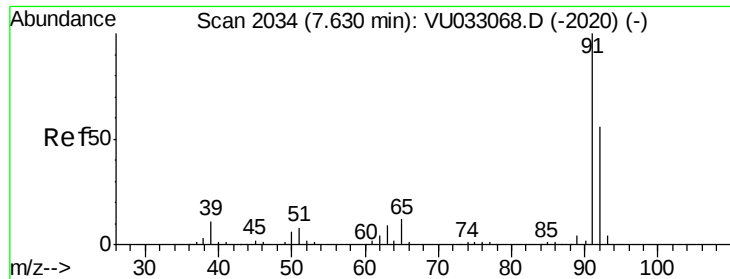
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 4.363 ug/L

RT: 7.63 min Scan# 2034

Delta R.T. 0.00 min

Lab File: VU033071.D

Acq: 28 Jun 2019 14:18

Instrument :

MSVOA_U

ClientSampleId :

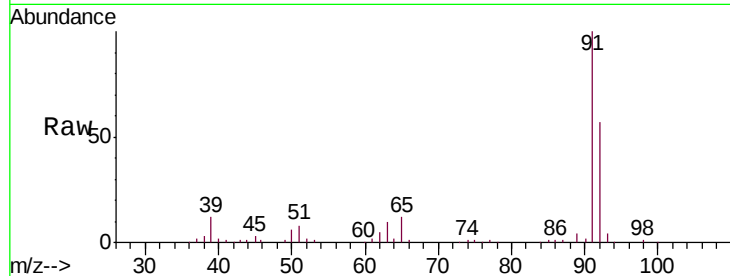
GAM62MS

Tgt Ion: 91 Resp: 132129

Ion Ratio Lower Upper

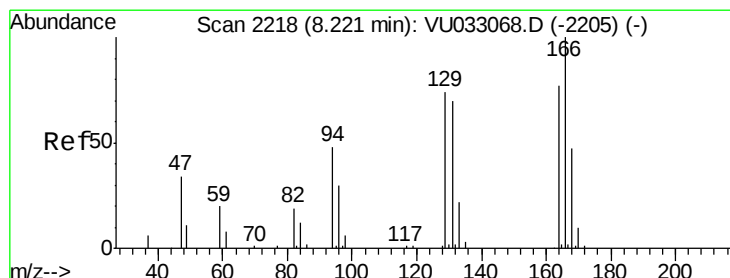
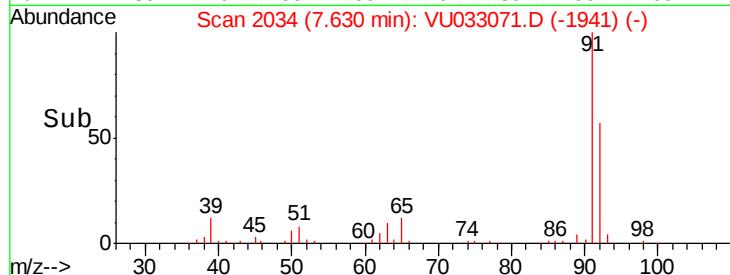
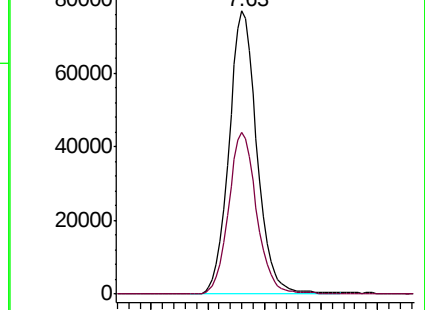
91 100

92 57.1 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: 1.976 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU033071.D

Acq: 28 Jun 2019 14:18

Tgt Ion: 164 Resp: 12340

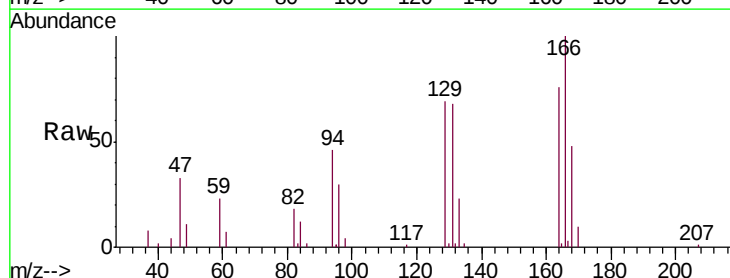
Ion Ratio Lower Upper

164 100

129 90.7 64.9 120.5

131 89.3 63.5 117.9

166 131.2 89.1 165.5

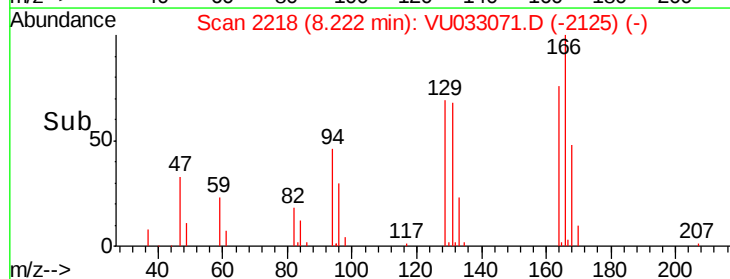
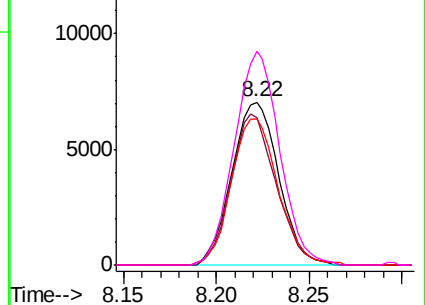


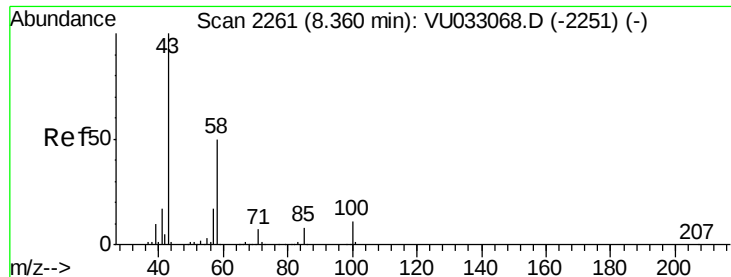
Abundance Ion 163.90 (163.60 to 164.60): VU033068.D (-2205) (-)

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) (-)

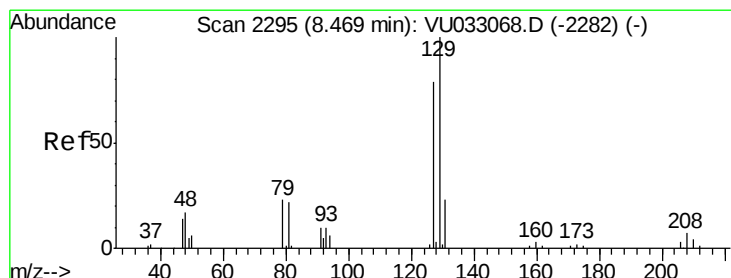
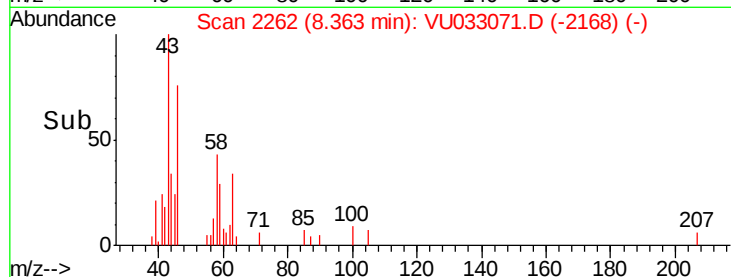
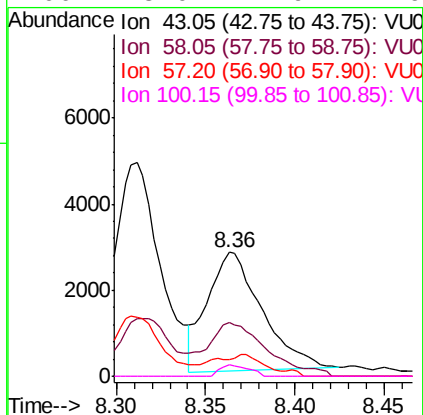
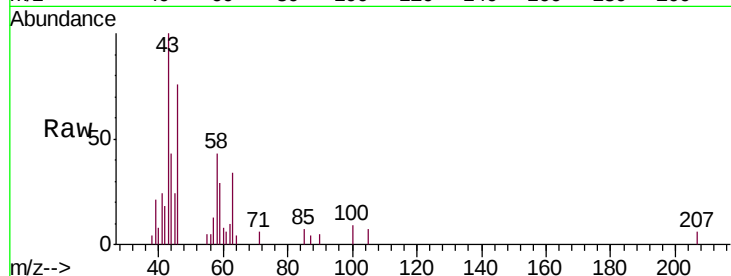




#48
2-Hexanone
Concen: 1.555 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VU033071.D
Acq: 28 Jun 2019 14:18

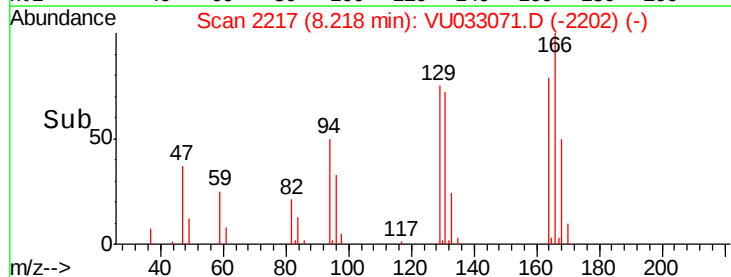
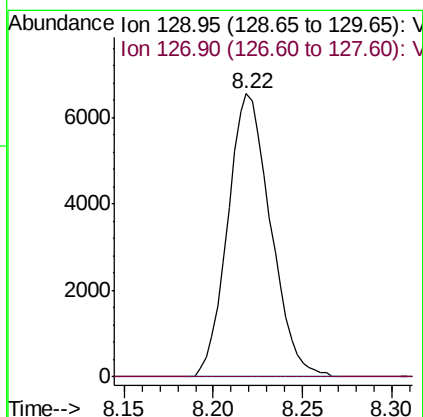
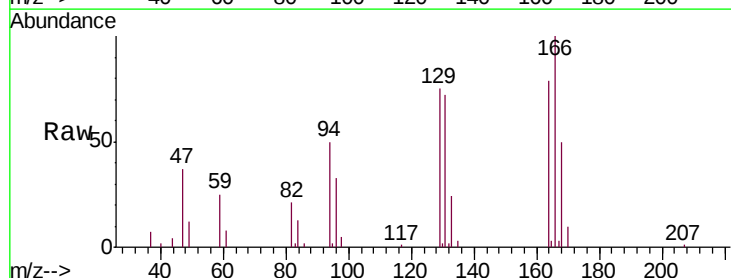
Instrument :
MSVOA_U
ClientSampleId :
GAM62MS

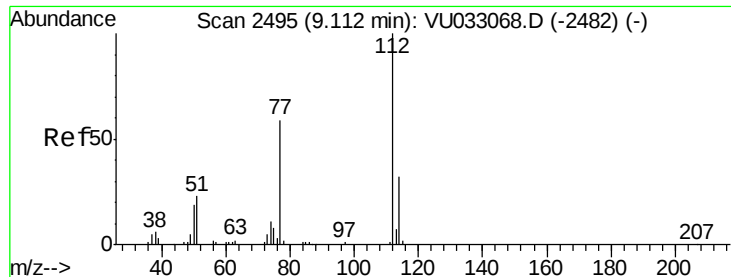
Tgt Ion: 43 Resp: 5831
Ion Ratio Lower Upper
43 100
58 47.6 40.0 60.0
57 6.7 14.0 21.0#
100 5.0 7.9 11.9#



#49
Dibromochloromethane
Concen: 1.619 ug/L
RT: 8.22 min Scan# 2217
Delta R.T. -0.25 min
Lab File: VU033071.D
Acq: 28 Jun 2019 14:18

Tgt Ion: 129 Resp: 10949
Ion Ratio Lower Upper
129 100
127 0.0 54.0 100.4#

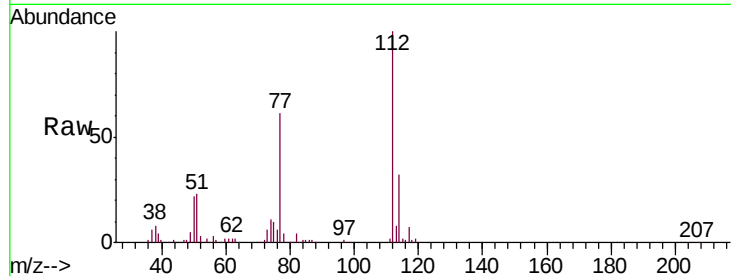




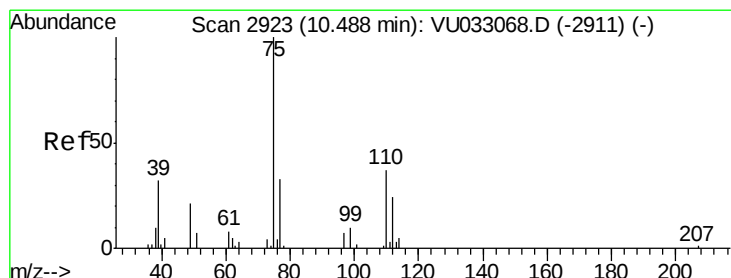
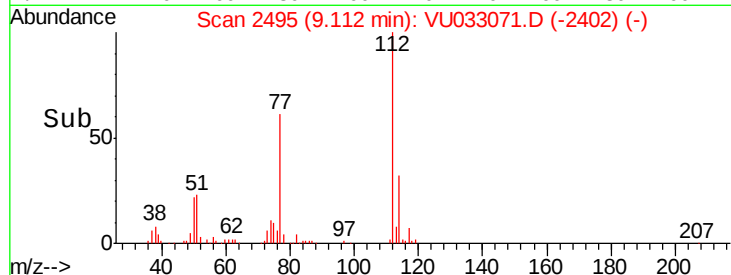
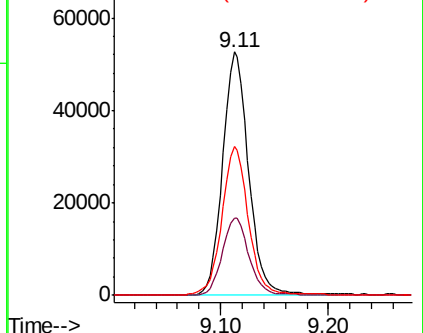
#51
Chlorobenzene
Concen: 4.427 ug/L
RT: 9.11 min Scan# 2495
Delta R.T. 0.00 min
Lab File: VU033071.D
Acq: 28 Jun 2019 14:18

Instrument :
MSVOA_U
ClientSampleId :
GAM62MS

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.8	23.3	43.3
77	61.2	48.9	73.3

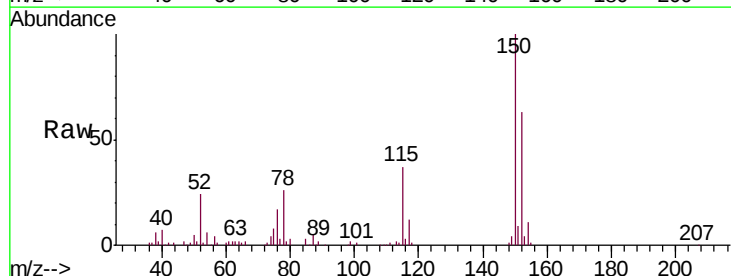


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V



#59
1,2,3-Trichloropropane
Concen: 1.275 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU033071.D
Acq: 28 Jun 2019 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	37.0	25.4	38.2



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

