

Data File : VU029533.D
Acq On : 18 Feb 2019 16:32
Operator : JC/SP
Sample : K1509-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
GAGG9

Quant Time: Feb 19 00:24:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	215830	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	209964	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	111019	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	55248	3.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.20%
7) Chloroethane-d5	1.68	69	54825	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.27	63	92280	2.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.60%#
20) 2-Butanone-d5	4.19	46	147161	48.81	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.62%
24) Chloroform-d	4.65	84	98872	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.31	65	59316	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.60%
32) Benzene-d6	5.34	84	224401	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.33	67	69784	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.56	98	214147	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.85	79	29388	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.31	63	149838	48.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.68%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	60582	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	93844	4.58	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.60%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1092	0.058	ug/L #	17
12) 1,1-Dichloroethene	2.27	96	1148	0.065	ug/L #	1
13) Acetone	2.32	43	2735	0.999	ug/L	93
25) Chloroform	4.68	83	15250	0.534	ug/L	91
31) Carbon tetrachloride	5.13	117	457402	19.493	ug/L	99
34) Trichloroethene	6.19	95	1375	0.079	ug/L	94
35) Methylcyclohexane	6.33	83	16456	0.563	ug/L #	21
37) 1,2-Dichloropropane	6.33	63	7013	0.453	ug/L #	87
39) cis-1,3-Dichloropropene	7.23	75	1769	0.073	ug/L #	67
48) 2-Hexanone	8.31	43	15784	2.427	ug/L #	67
59) 1,2,3-Trichloropropane	11.48	75	11318	1.140	ug/L	95

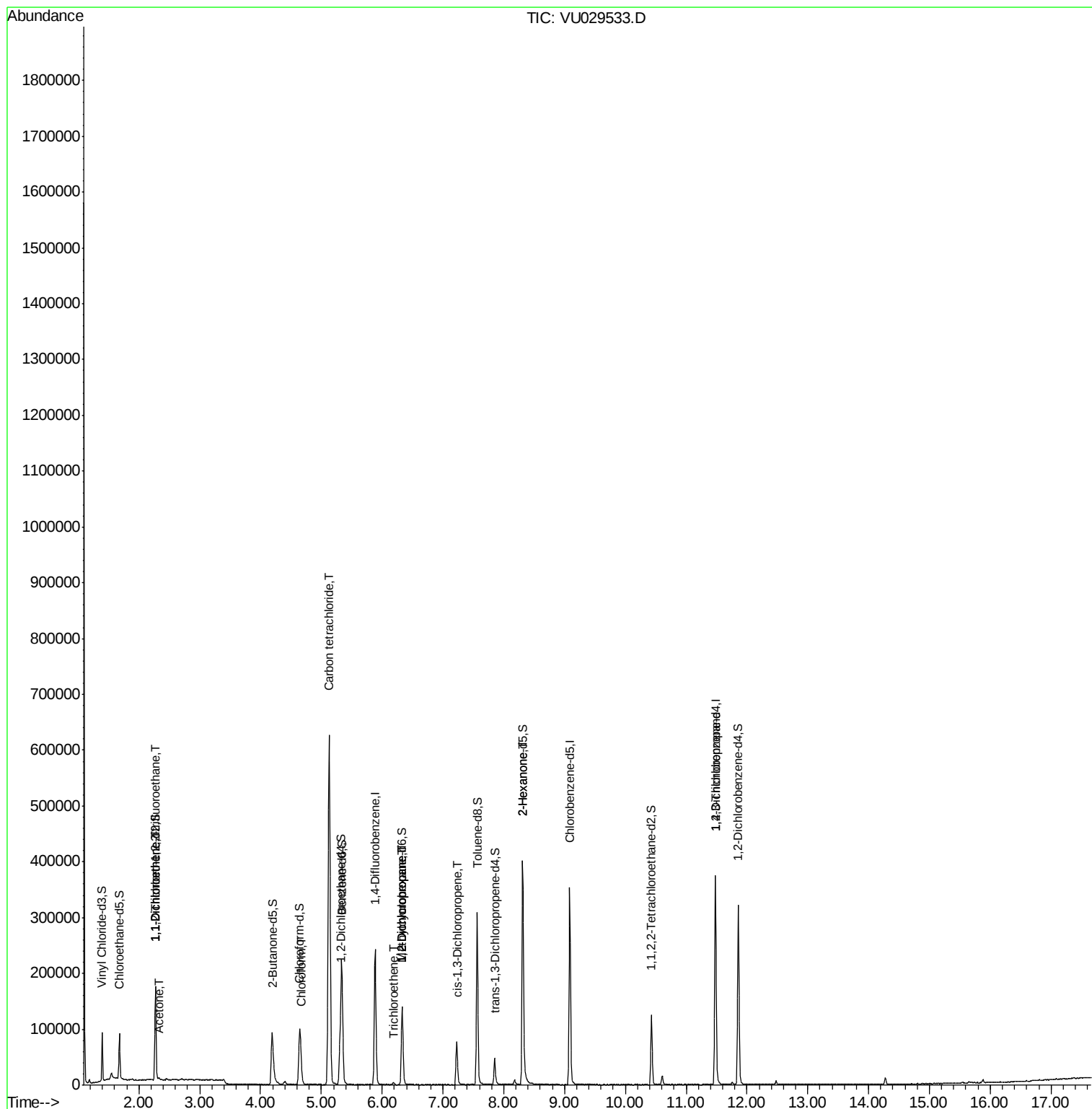
(#) = qualifier out of range (m) = manual integration (+) = signals summed

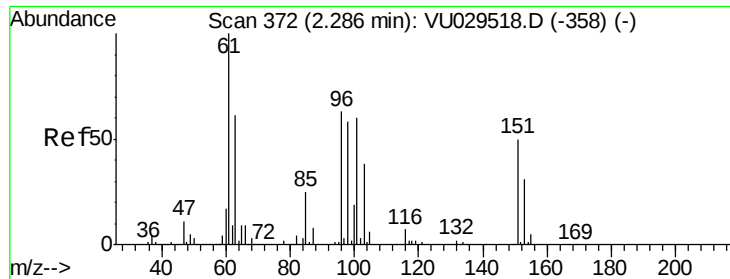
Data File : VU029533.D

```
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.058 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029533.D

Acq: 18 Feb 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

GAGG9

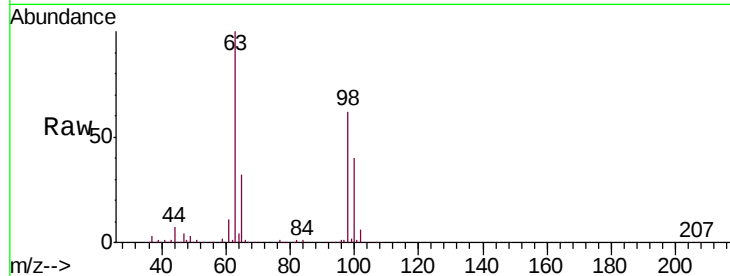
Tgt Ion: 101 Resp: 1092

Ion Ratio Lower Upper

101 100

85 1.8 35.1 52.7#

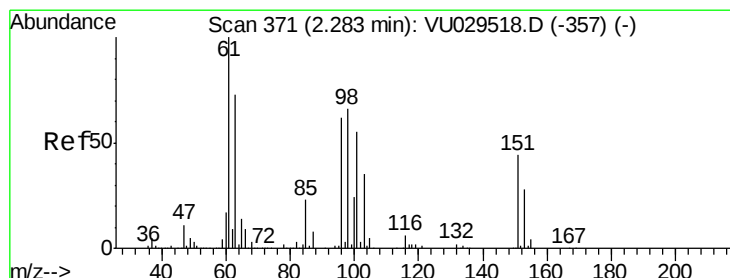
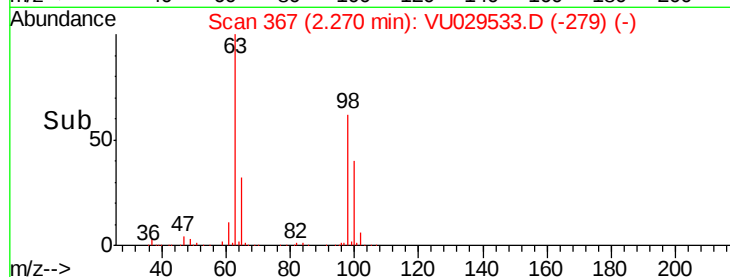
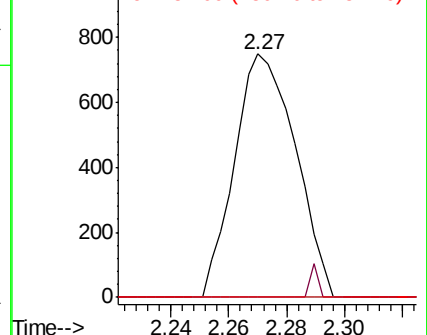
151 0.0 67.0 100.6#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029533.D

Acq: 18 Feb 2019 16:32

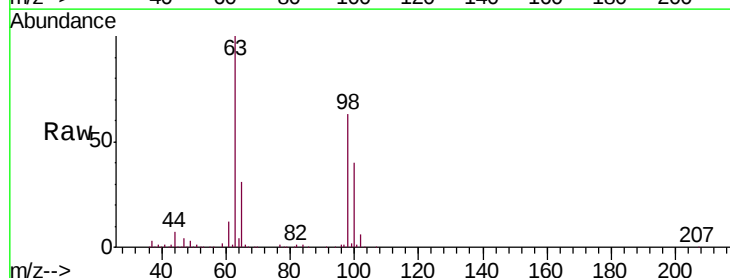
Tgt Ion: 96 Resp: 1148

Ion Ratio Lower Upper

96 100

61 1120.0 115.1 213.7#

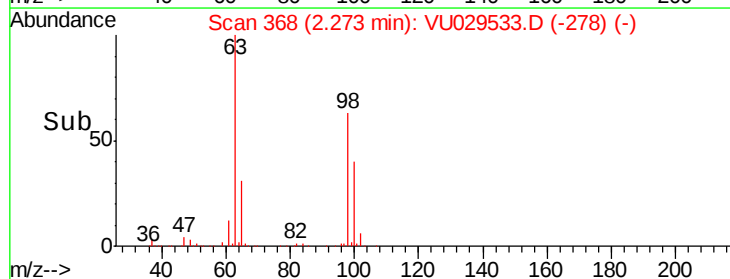
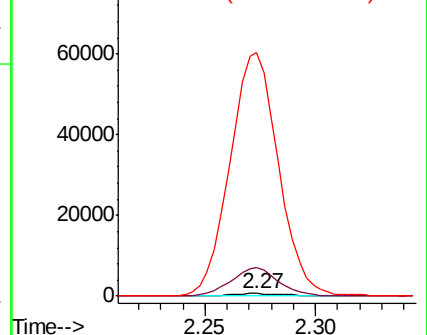
63 9732.9 83.5 155.1#

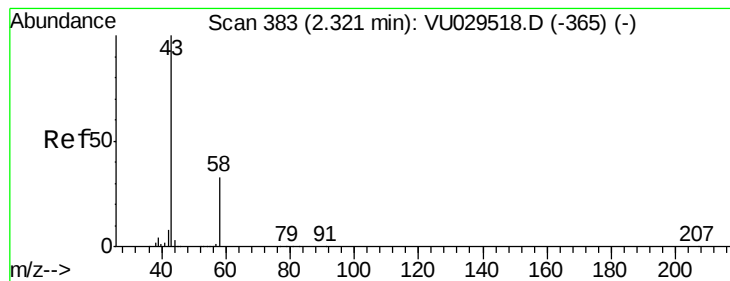


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.999 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029533.D

Acq: 18 Feb 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

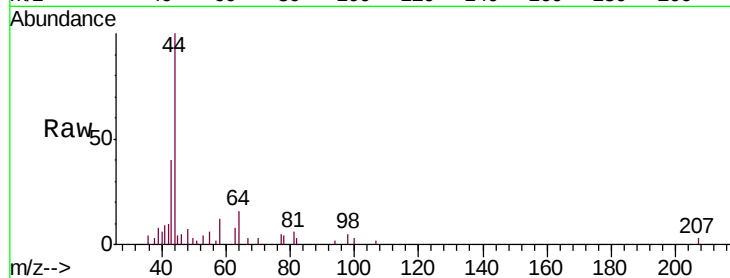
GAGG9

Tgt Ion: 43 Resp: 2735

Ion Ratio Lower Upper

43 100

58 36.2 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

2000

1500

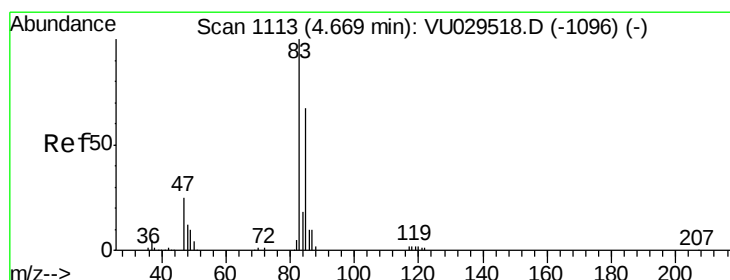
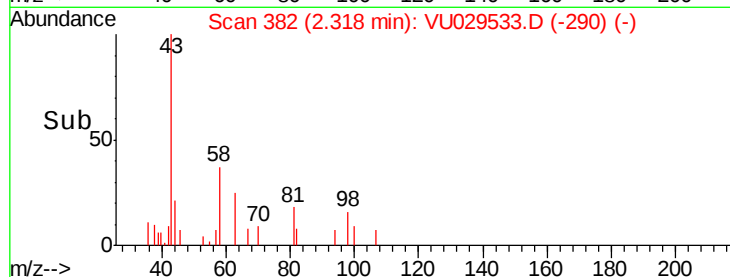
1000

500

2.32

2.25 2.30 2.35

Time-->



#25

Chloroform

Concen: 0.534 ug/L

RT: 4.68 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VU029533.D

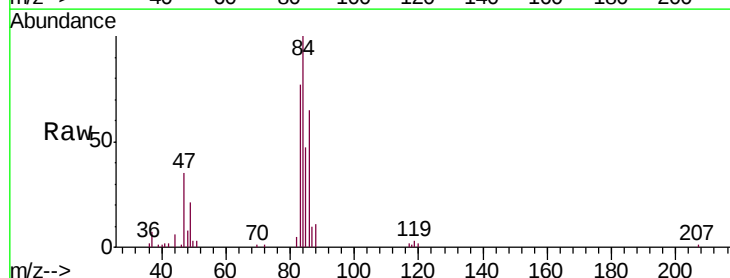
Acq: 18 Feb 2019 16:32

Tgt Ion: 83 Resp: 15250

Ion Ratio Lower Upper

83 100

85 60.7 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

6000

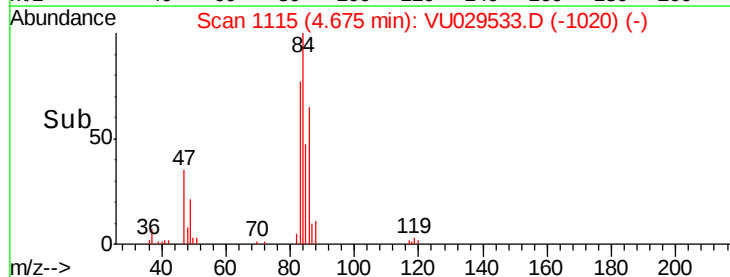
4000

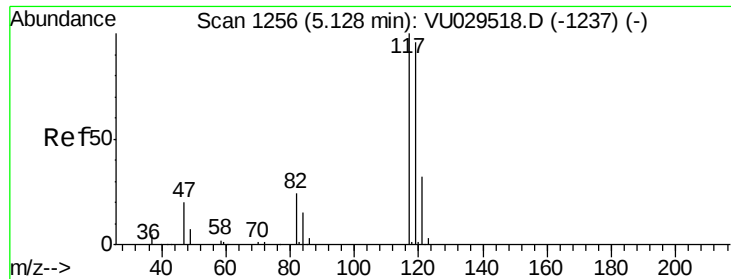
2000

4.68

4.60 4.65 4.70 4.75

Time-->

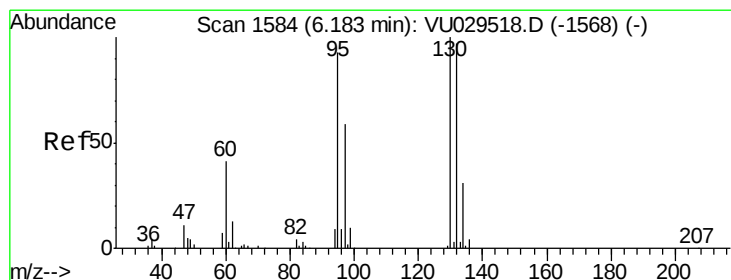
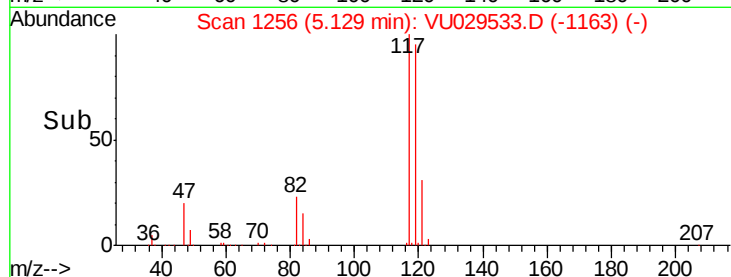
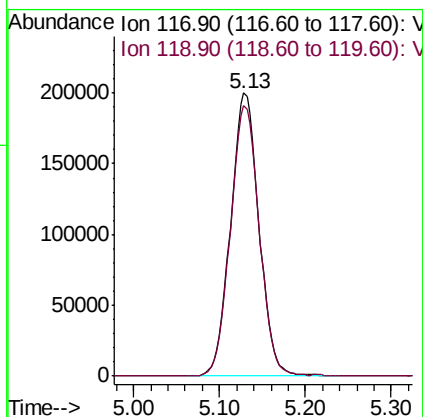
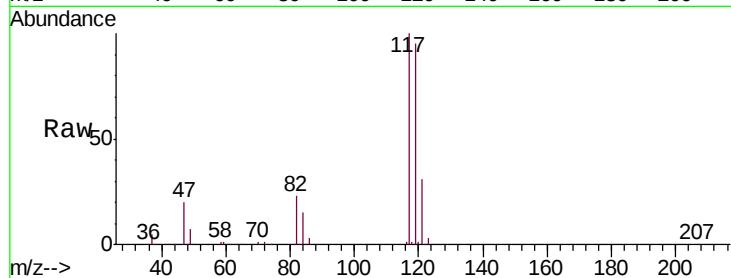




#31
Carbon tetrachloride
Concen: 19.493 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VU029533.D
Acq: 18 Feb 2019 16:32

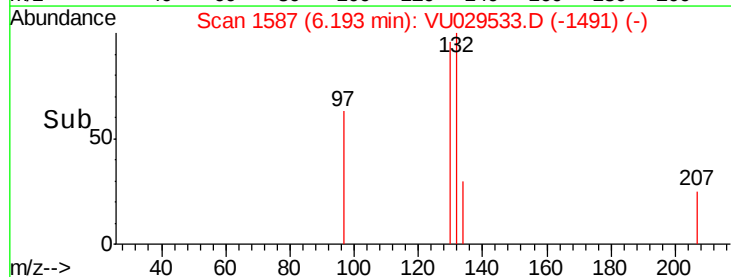
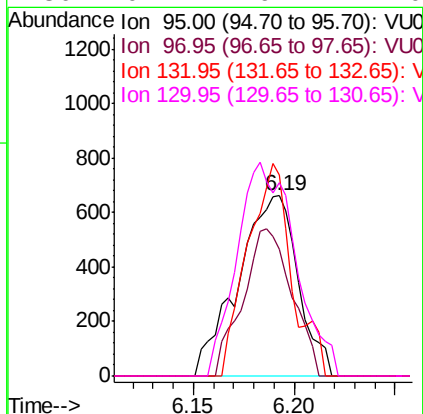
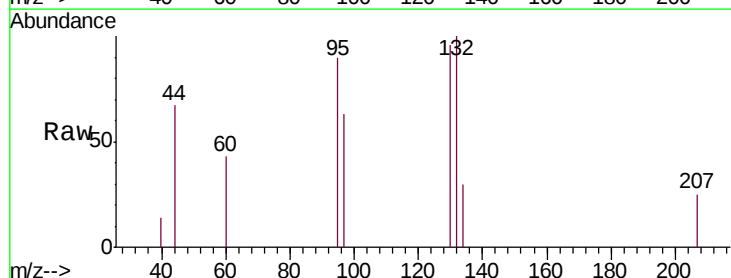
Instrument :
MSVOA_U
ClientSampled :
GAGG9

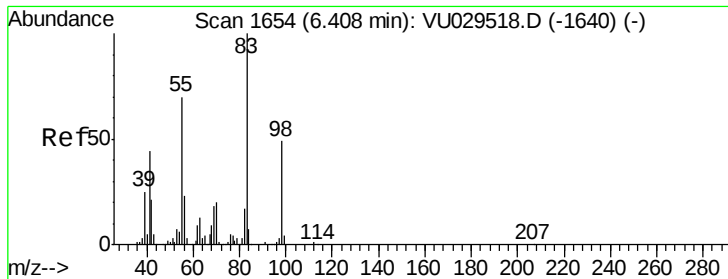
Tgt Ion:117 Resp: 457402
Ion Ratio Lower Upper
117 100
119 96.9 78.1 117.1



#34
Trichloroethene
Concen: 0.079 ug/L
RT: 6.19 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VU029533.D
Acq: 18 Feb 2019 16:32

Tgt Ion: 95 Resp: 1375
Ion Ratio Lower Upper
95 100
97 70.4 46.3 86.1
132 111.5 72.9 135.3
130 107.4 79.2 147.0

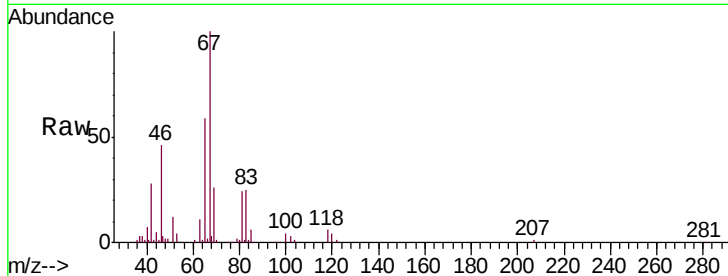




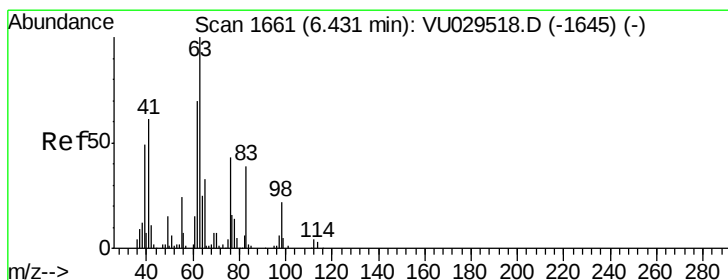
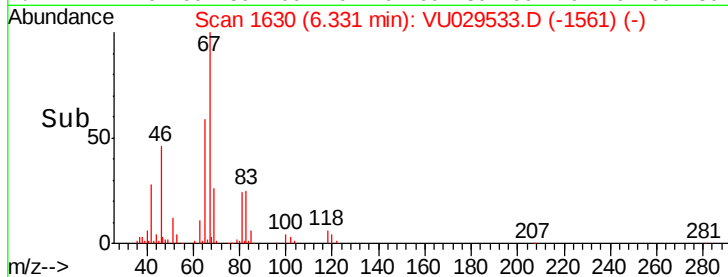
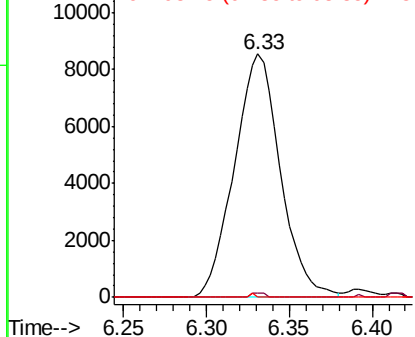
#35
Methylcyclohexane
Concen: 0.563 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.08 min
Lab File: VU029533.D
Acq: 18 Feb 2019 16:32

Instrument :
MSVOA_U
ClientSampled :
GAGG9

Tgt Ion	Ratio	Lower	Upper
83	100		
55	0.5	55.9	83.9#
98	0.2	38.6	57.8#

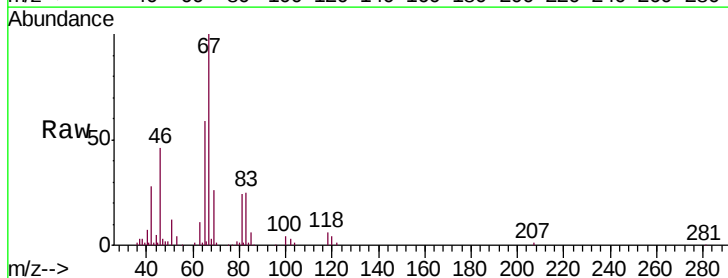


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

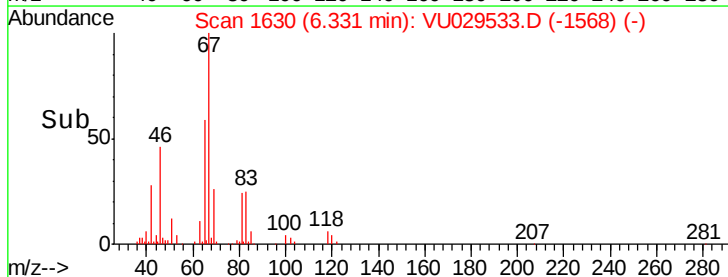
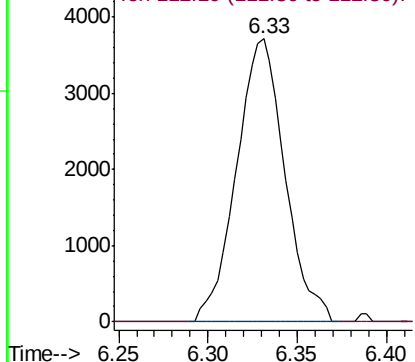


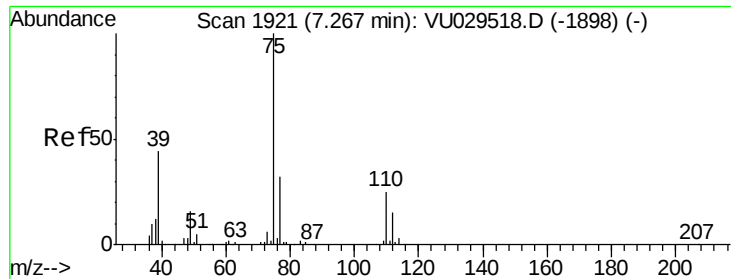
#37
1,2-Dichloropropane
Concen: 0.453 ug/L
RT: 6.33 min Scan# 1630
Delta R.T. -0.10 min
Lab File: VU029533.D
Acq: 18 Feb 2019 16:32

Tgt 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





#39

cis-1,3-Dichloropropene

Concen: 0.073 ug/L

RT: 7.23 min Scan# 1910

Delta R.T. -0.04 min

Lab File: VU029533.D

Acq: 18 Feb 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

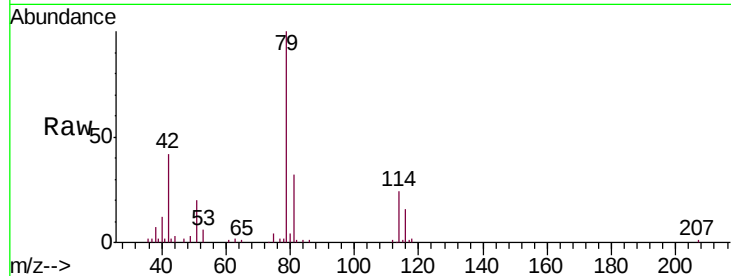
GAGG9

Tgt Ion: 75 Resp: 1769

Ion Ratio Lower Upper

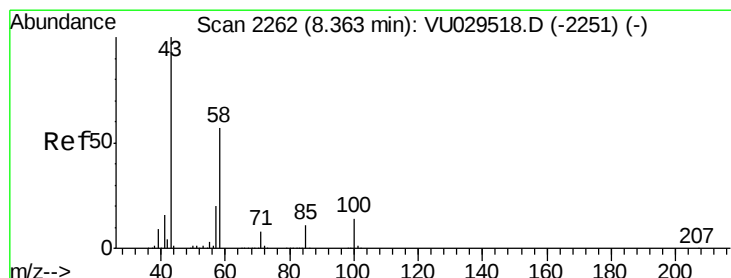
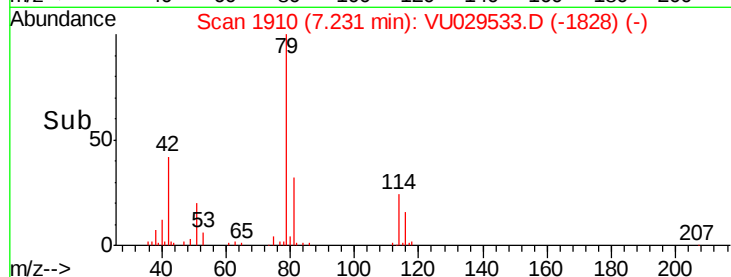
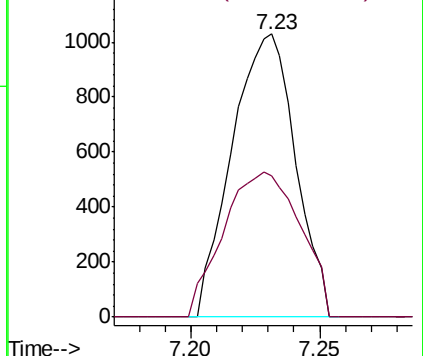
75 100

77 50.0 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 2.427 ug/L

RT: 8.31 min Scan# 2246

Delta R.T. -0.05 min

Lab File: VU029533.D

Acq: 18 Feb 2019 16:32

Tgt Ion: 43 Resp: 15784

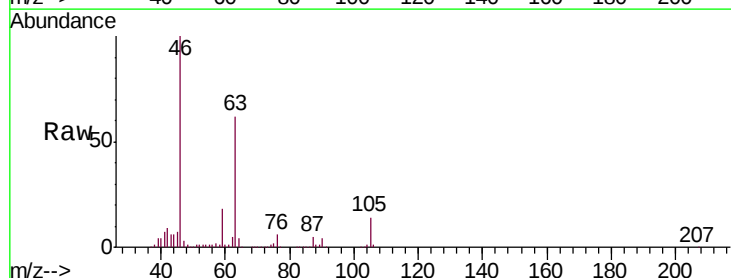
Ion Ratio Lower Upper

43 100

58 27.4 45.7 68.5#

57 26.8 16.4 24.6#

100 0.0 11.1 16.7#

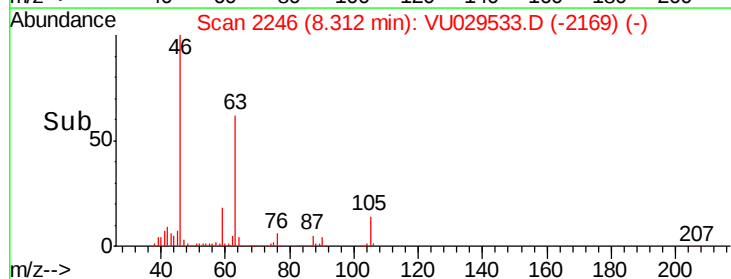
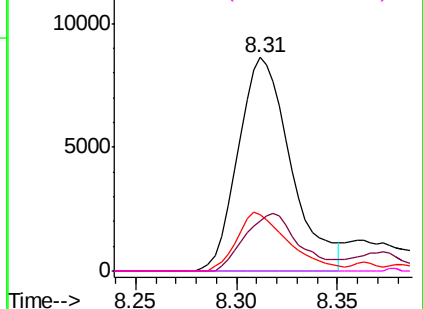


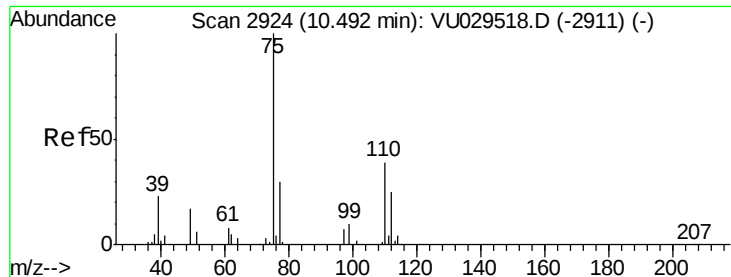
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0





#59

1,2,3-Trichloropropane

Concen: 1.140 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU029533.D

Acq: 18 Feb 2019 16:32

Instrument :

MSVOA_U

ClientSampleId :

GAGG9

Tgt Ion: 75 Resp: 11318

Ion Ratio Lower Upper

75 100

77 38.2 28.2 42.2

