

Data File : VU033291.D
Acq On : 17 Jul 2019 15:34
Operator : JC/SP
Sample : K3772-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52R8

Quant Time: Jul 18 08:06:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 08:01:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	118655	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	127613	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	53248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44710	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.67	69	41265	4.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.80%
11) 1,1-Dichloroethene-d2	2.26	63	72962	3.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.20%
20) 2-Butanone-d5	4.17	46	76301	33.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.76%
24) Chloroform-d	4.62	84	66380	3.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.20%
26) 1,2-Dichloroethane-d4	5.29	65	41950	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	5.32	84	145684	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
36) 1,2-Dichloropropane-d6	6.31	67	46987	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.00%
41) Toluene-d8	7.55	98	123965	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
43) trans-1,3-Dichloropropene-	7.84	79	17375	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.30	63	70153	37.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	75.38%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	41075	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.85	152	48308	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

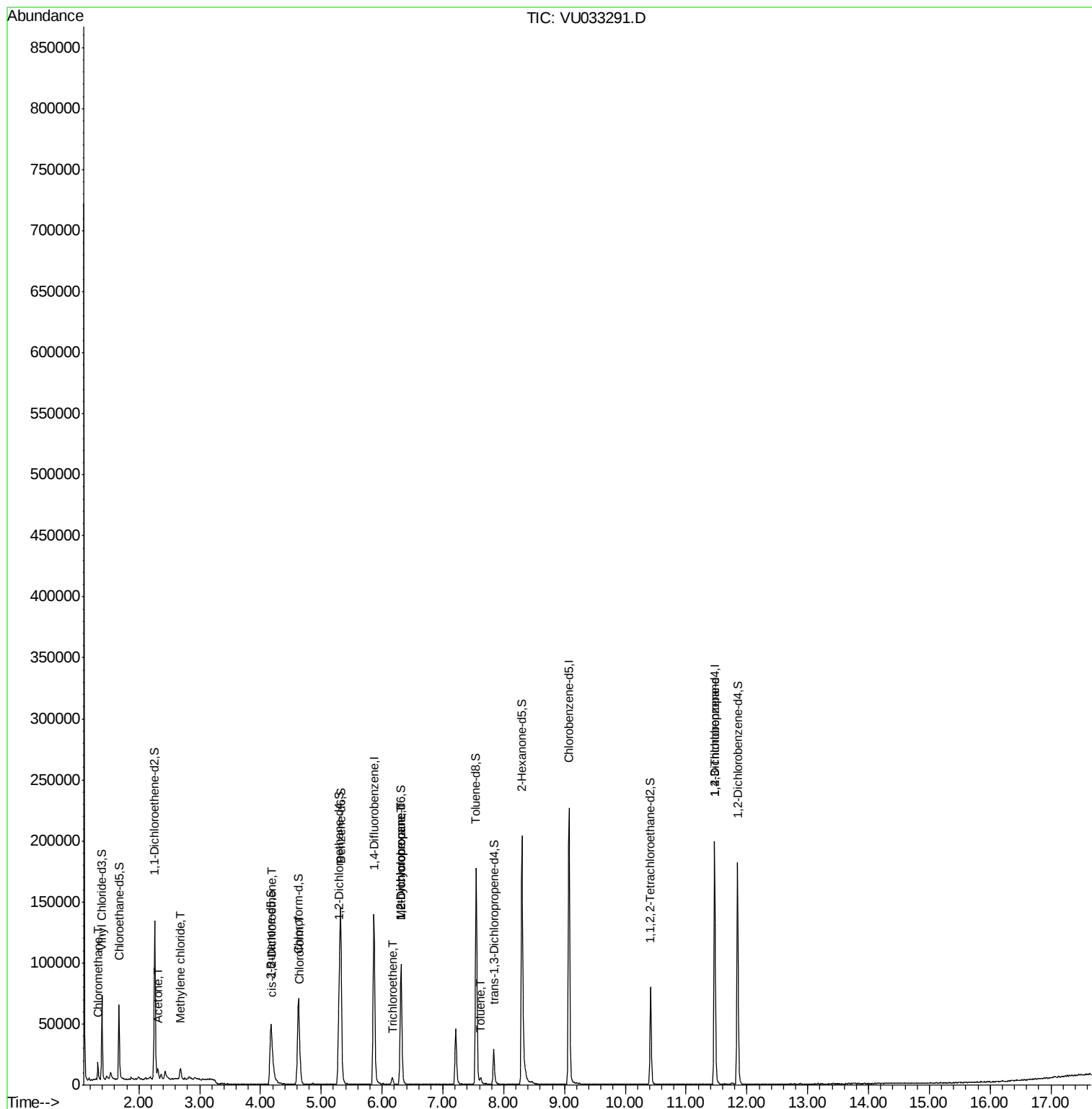
					Qvalue
3) Chloromethane	1.32	50	8995	0.756	ug/L 95
13) Acetone	2.31	43	8577	4.350	ug/L 99
16) Methylene chloride	2.68	84	3653	0.307	ug/L 85
22) cis-1,2-Dichloroethene	4.20	96	1920	0.211	ug/L 86
25) Chloroform	4.65	83	10873	0.607	ug/L 97
34) Trichloroethene	6.17	95	1776	0.186	ug/L 89
35) Methylcyclohexane	6.31	83	11734	0.814	ug/L # 18
37) 1,2-Dichloropropane	6.31	63	5353	0.548	ug/L # 89
42) Toluene	7.62	91	4192	0.108	ug/L 87
59) 1,2,3-Trichloropropane	11.47	75	6554	1.028	ug/L 89

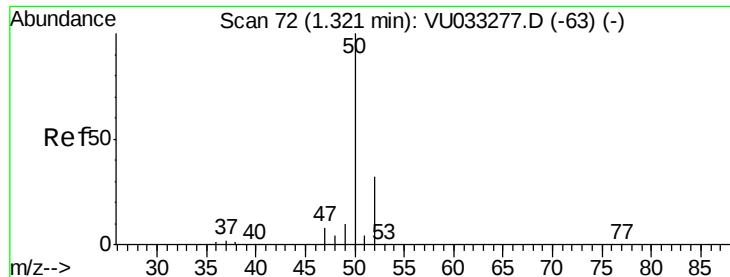
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.756 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

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Acq: 17 Jul 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

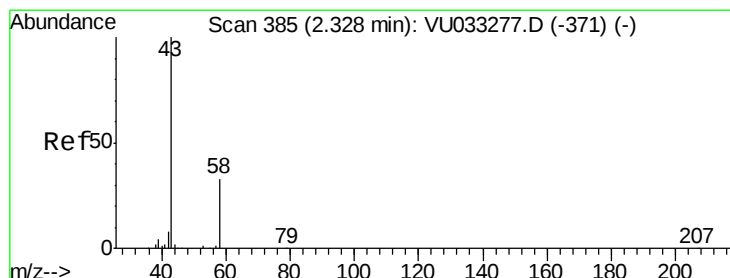
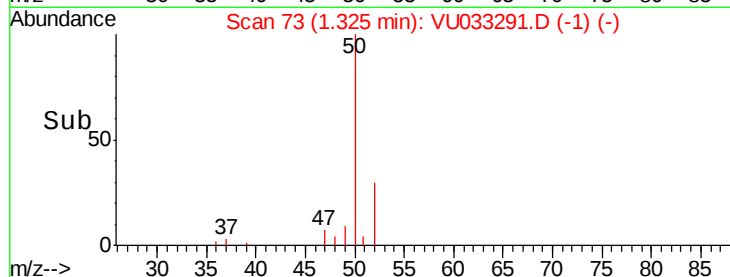
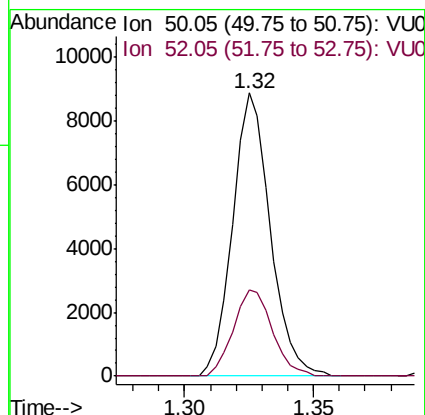
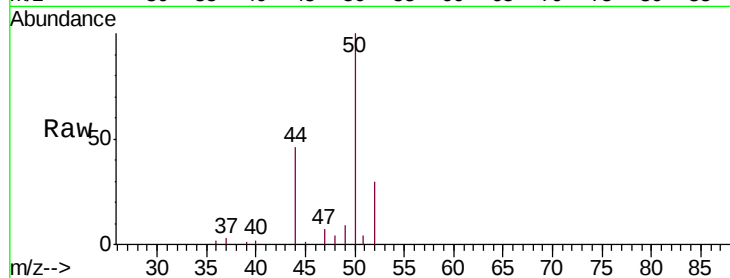
A52R8

Tgt Ion: 50 Resp: 8995

Ion Ratio Lower Upper

50 100

52 30.3 23.3 43.3



#13

Acetone

Concen: 4.350 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.02 min

Lab File: VU033291.D

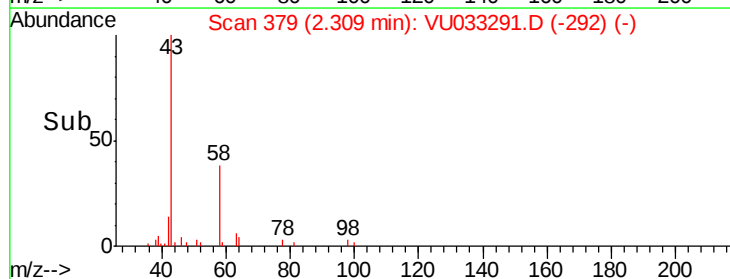
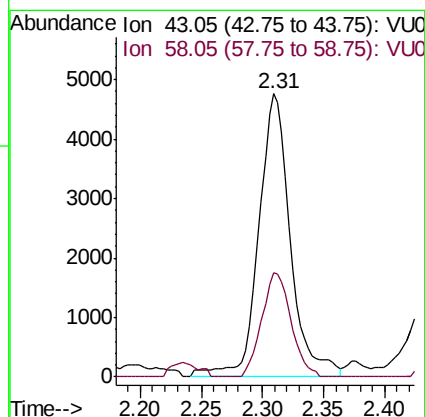
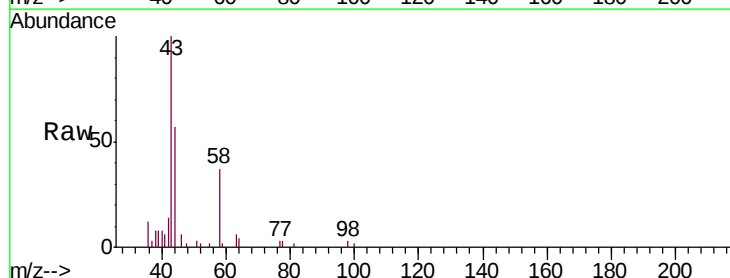
Acq: 17 Jul 2019 15:34

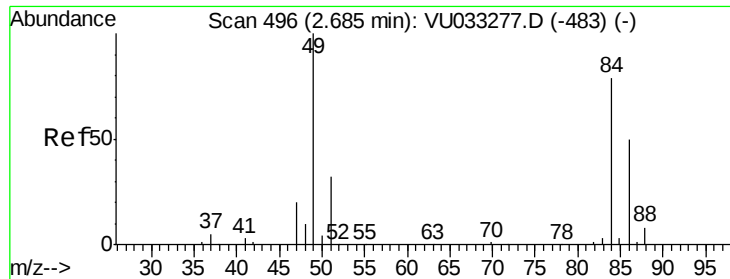
Tgt Ion: 43 Resp: 8577

Ion Ratio Lower Upper

43 100

58 34.0 0.0 66.6

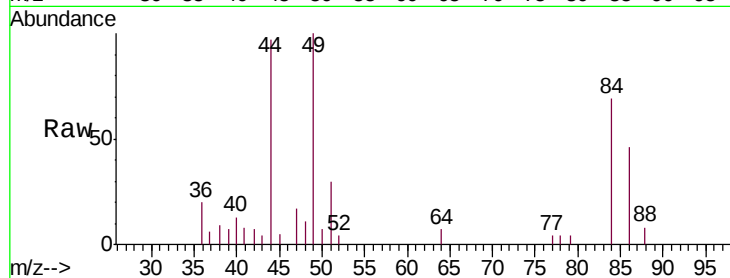




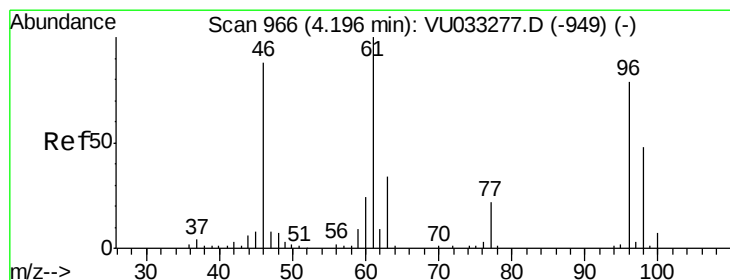
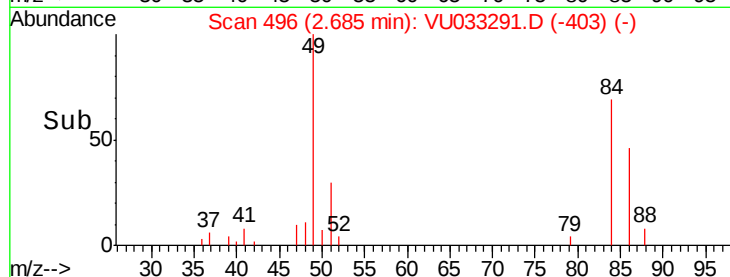
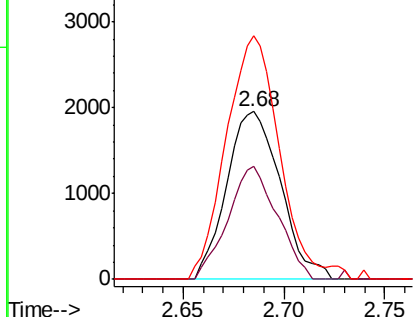
#16
Methylene chloride
Concen: 0.307 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033291.D
Acq: 17 Jul 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
A52R8

Tgt Ion: 84 Resp: 3653
Ion Ratio Lower Upper
84 100
86 67.1 42.5 78.9
49 145.2 86.9 161.3

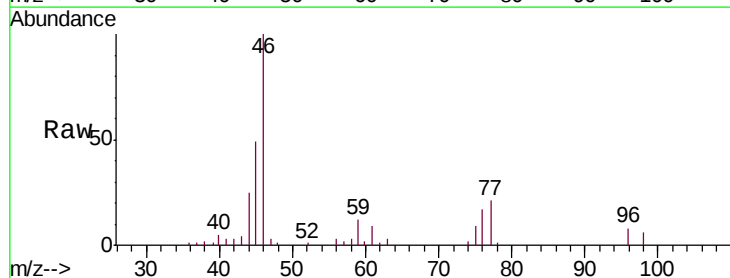


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

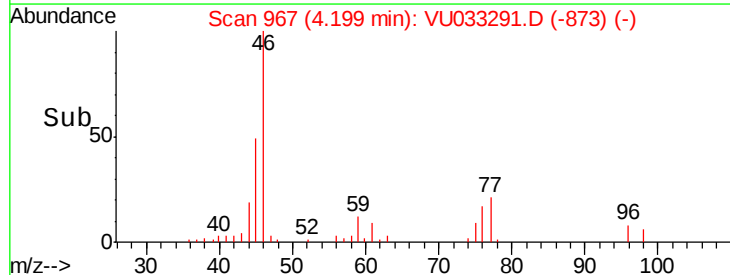
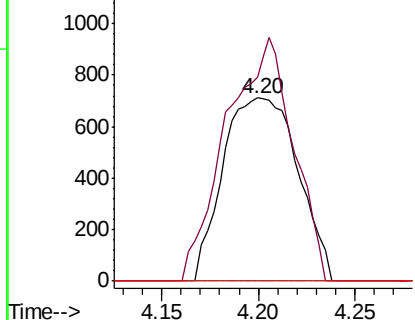


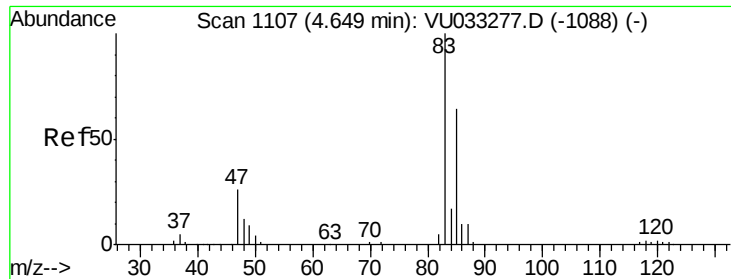
#22
cis-1,2-Dichloroethene
Concen: 0.211 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU033291.D
Acq: 17 Jul 2019 15:34

Tgt Ion: 96 Resp: 1920
Ion Ratio Lower Upper
96 100
61 111.3 89.2 165.6
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

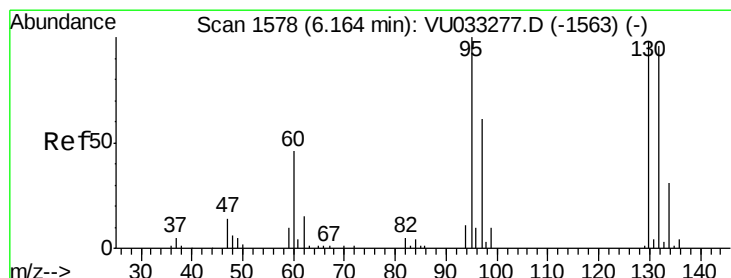
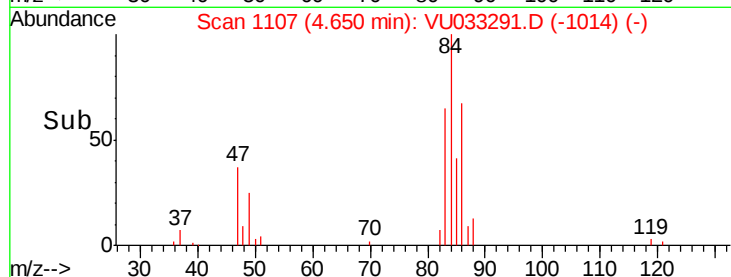
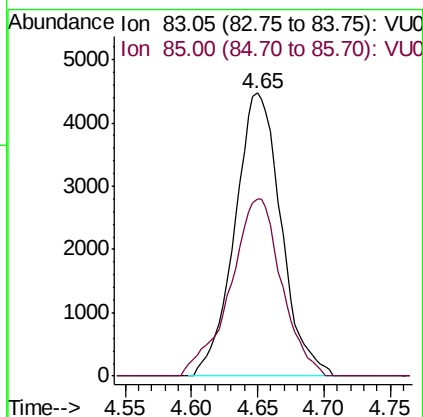
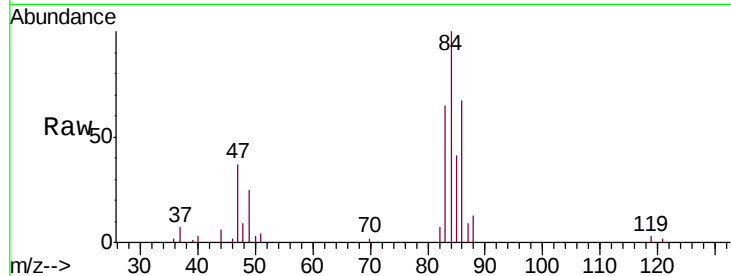




#25
Chloroform
Concen: 0.607 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033291.D
Acq: 17 Jul 2019 15:34

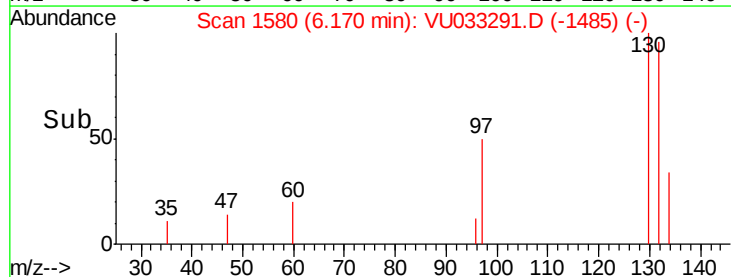
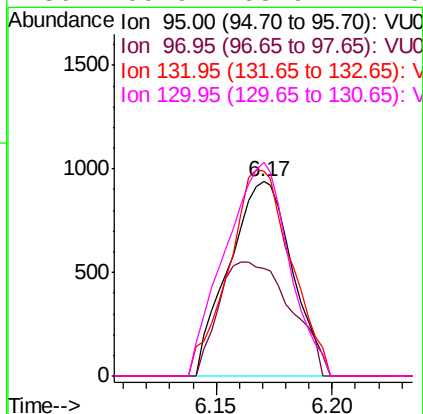
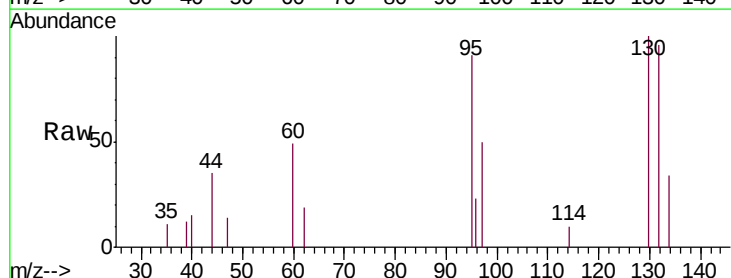
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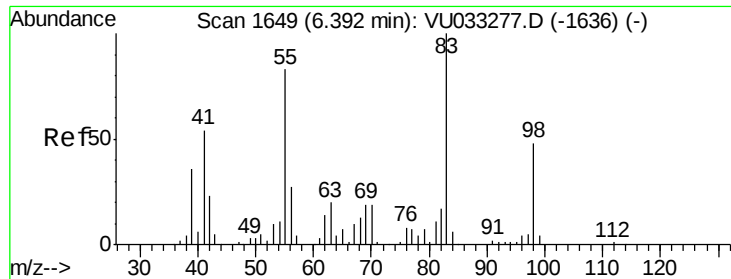
Tgt Ion: 83 Resp: 10873
Ion Ratio Lower Upper
83 100
85 62.6 45.4 84.4



#34
Trichloroethene
Concen: 0.186 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. 0.01 min
Lab File: VU033291.D
Acq: 17 Jul 2019 15:34

Tgt Ion: 95 Resp: 1776
Ion Ratio Lower Upper
95 100
97 55.3 44.5 82.7
132 105.6 66.6 123.8
130 109.9 68.9 127.9

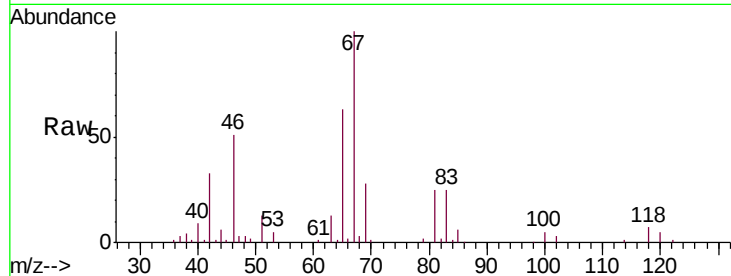




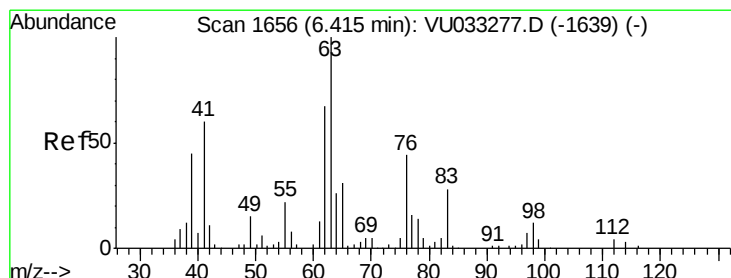
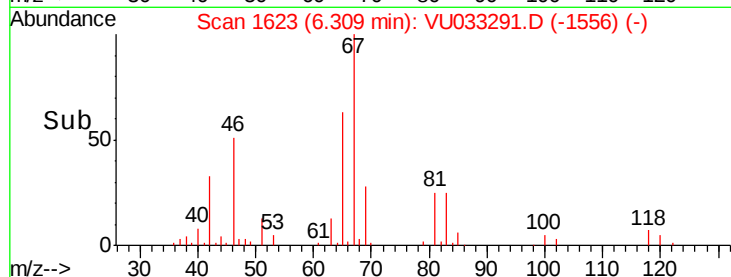
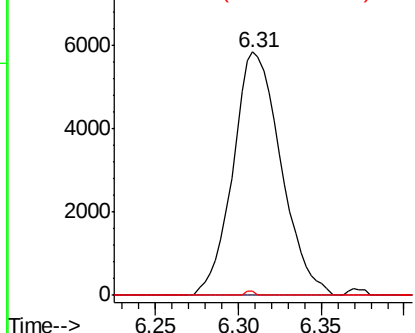
#35
Methylcyclohexane
Concen: 0.814 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU033291.D
Acq: 17 Jul 2019 15:34

Instrument :
MSVOA_U
ClientSampleId :
A52R8

Tgt Ion: 83 Resp: 11734
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.4 36.2 54.2#

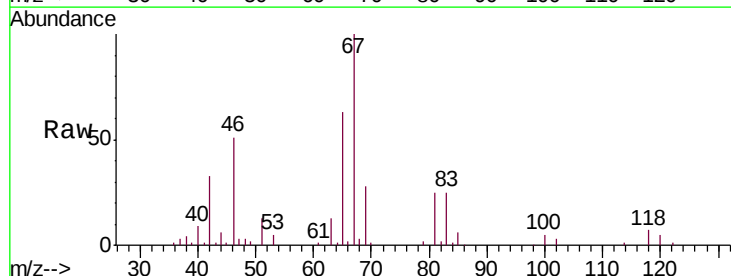


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

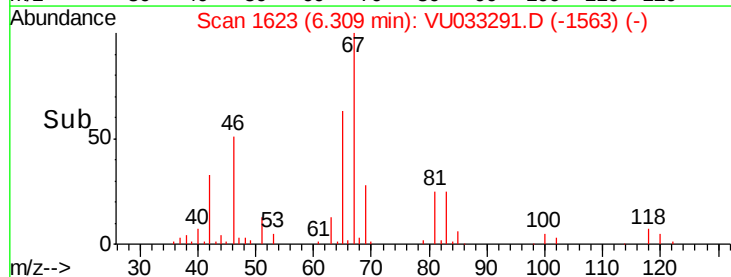
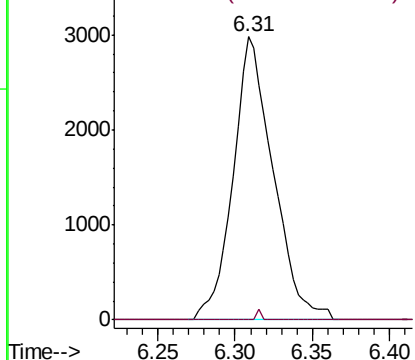


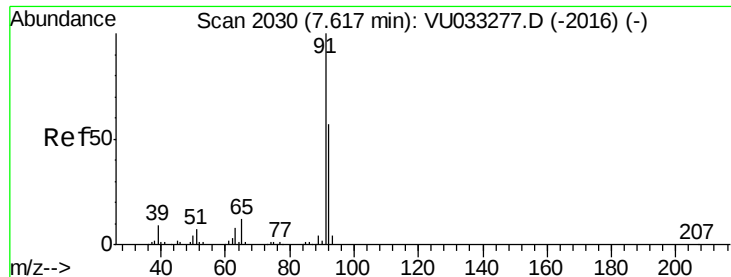
#37
1,2-Dichloropropane
Concen: 0.548 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.11 min
Lab File: VU033291.D
Acq: 17 Jul 2019 15:34

Tgt Ion: 63 Resp: 5353
Ion Ratio Lower Upper
63 100
112 0.4 3.1 4.7#



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





#42

Toluene

Concen: 0.108 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU033291.D

Acq: 17 Jul 2019 15:34

Instrument :

MSVOA_U

ClientSampleId :

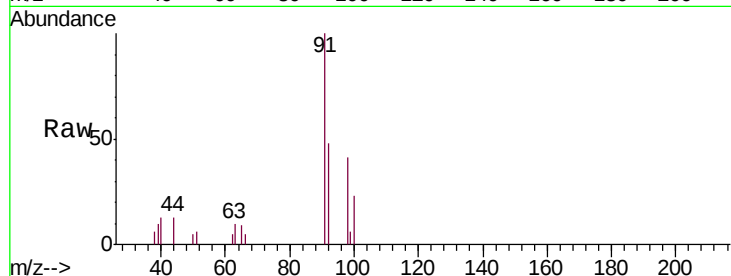
A52R8

Tgt Ion: 91 Resp: 4192

Ion Ratio Lower Upper

91 100

92 47.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU033277.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU033277.D (-2016) (-)

7.62

2500

2000

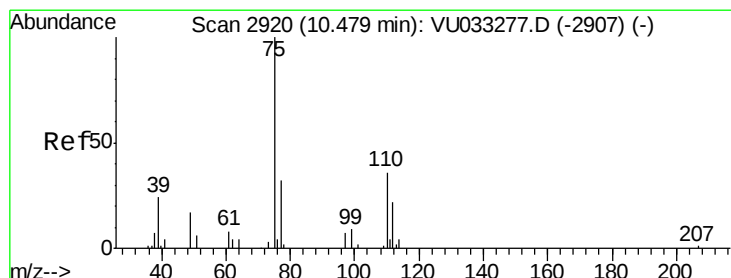
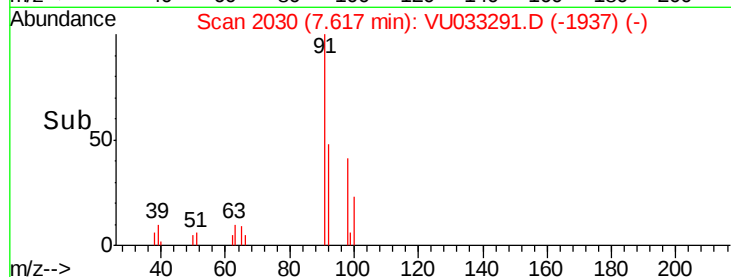
1500

1000

500

0

Time--> 7.55 7.60 7.65



#59

1,2,3-Trichloropropane

Concen: 1.028 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033291.D

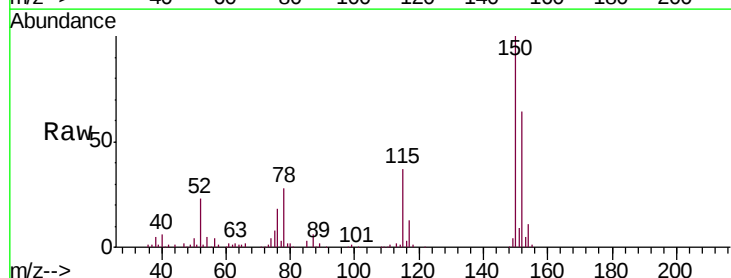
Acq: 17 Jul 2019 15:34

Tgt Ion: 75 Resp: 6554

Ion Ratio Lower Upper

75 100

77 39.2 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU033277.D (-2907) (-)

Ion 77.00 (76.70 to 77.70): VU033277.D (-2907) (-)

11.47

4000

3000

2000

1000

0

Time--> 11.40 11.45 11.50

