

Data File : VU033268.D
Acq On : 16 Jul 2019 17:25
Operator : JC/SP
Sample : K3772-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52M8

Quant Time: Jul 17 04:49:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR071619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 17 04:42:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	130091	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	134351	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	58569	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	54562	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.67	69	48093	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.00%
11) 1,1-Dichloroethene-d2	2.26	63	88064	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	4.17	46	126759	51.34	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.68%
24) Chloroform-d	4.62	84	90142	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.29	65	51243	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.32	84	175688	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.31	67	58697	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.55	98	154406	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
43) trans-1,3-Dichloropropene-	7.83	79	23026	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
46) 2-Hexanone-d5	8.30	63	102046	52.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.14%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	49717	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	11.85	152	59749	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

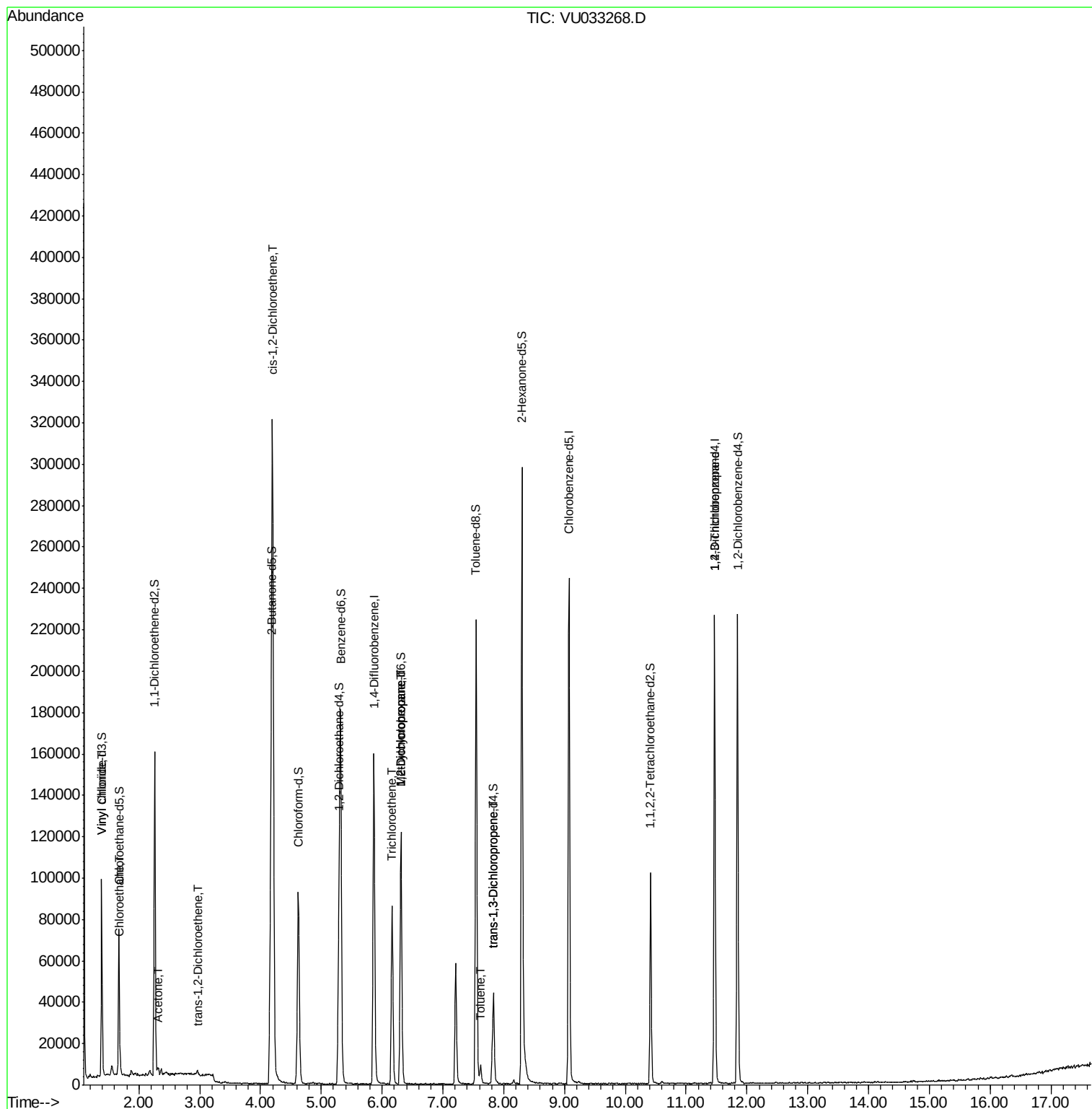
					Qvalue
5) Vinyl chloride	1.39	62	10080	0.720 ug/L	86
8) Chloroethane	1.69	64	2423	0.270 ug/L	97
13) Acetone	2.31	43	3007	1.391 ug/L	88
18) trans-1,2-Dichloroethene	2.96	96	601	0.051 ug/L	74
22) cis-1,2-Dichloroethene	4.20	96	163742	16.411 ug/L	95
34) Trichloroethene	6.16	95	29900	2.970 ug/L	98
35) Methylcyclohexane	6.31	83	13593	0.896 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	6796	0.661 ug/L #	88
42) Toluene	7.62	91	6984	0.171 ug/L	97
44) trans-1,3-Dichloropropene	7.84	75	1037	0.087 ug/L	84
59) 1,2,3-Trichloropropane	11.47	75	7559	1.127 ug/L #	88

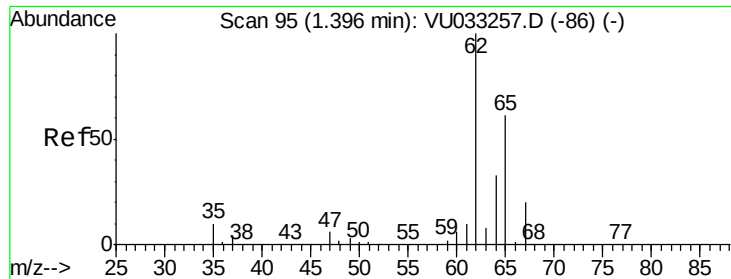
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.720 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

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MSVOA_U

ClientSampleId :

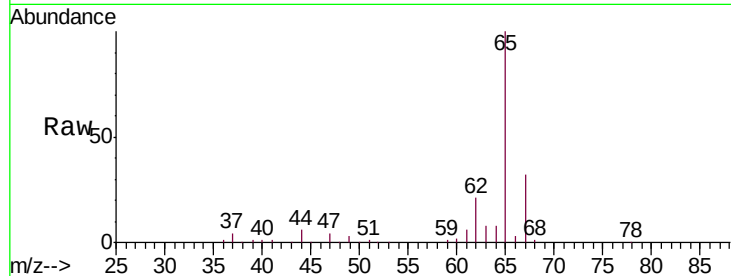
A52M8

Tgt Ion: 62 Resp: 10080

Ion Ratio Lower Upper

62 100

64 40.3 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VU033257.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU033268.D (-94) (-)

1.39

10000

8000

6000

4000

2000

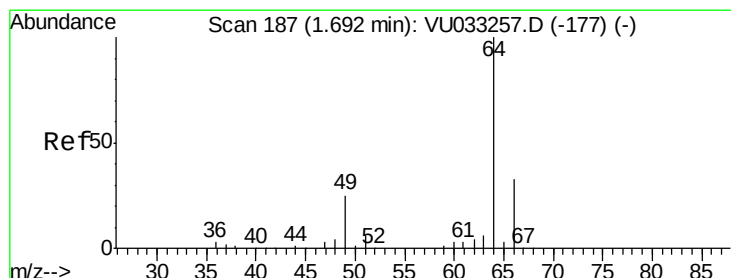
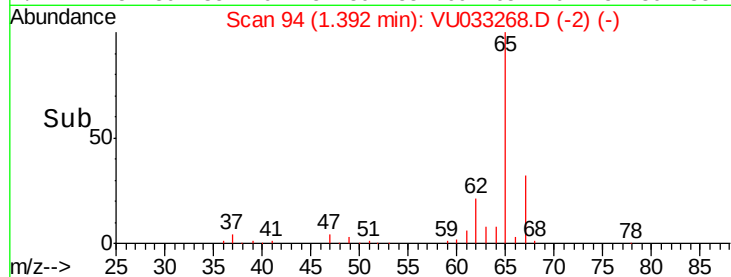
0

1.35

1.40

1.45

Time-->



#8

Chloroethane

Concen: 0.270 ug/L

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033268.D

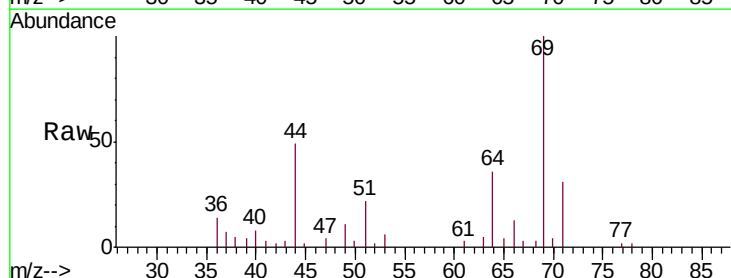
Acq: 16 Jul 2019 17:25

Tgt Ion: 64 Resp: 2423

Ion Ratio Lower Upper

64 100

66 35.0 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VU033257.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU033268.D (-94) (-)

1.69

2000

1500

1000

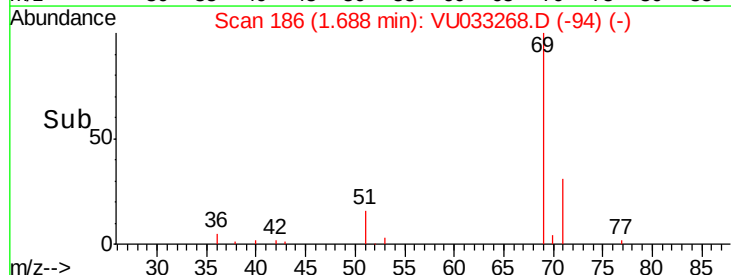
500

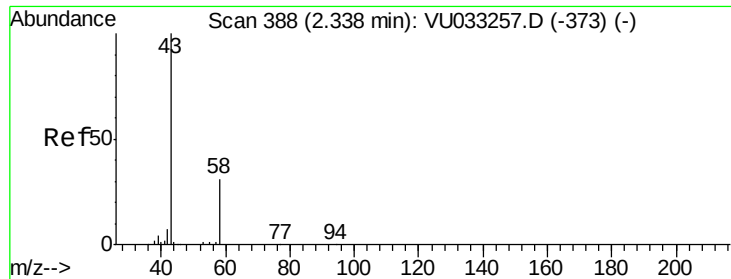
0

1.65

1.70

Time-->





#13

Acetone

Concen: 1.391 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.03 min

Lab File: VU033268.D

Acq: 16 Jul 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

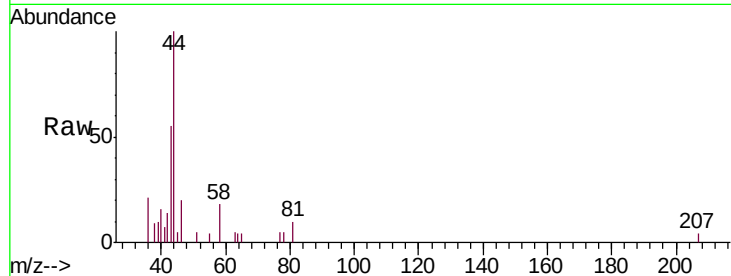
A52M8

Tgt Ion: 43 Resp: 3007

Ion Ratio Lower Upper

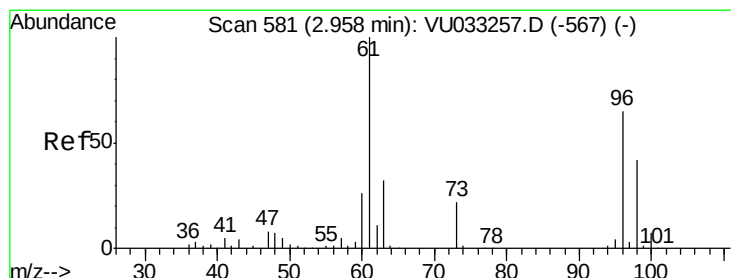
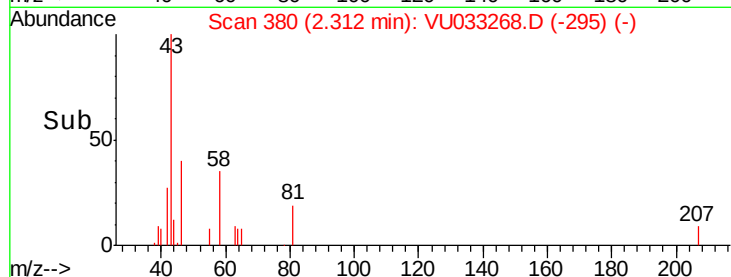
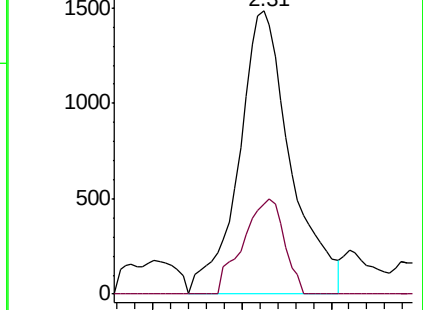
43 100

58 26.8 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU033257.D (-373) (-)

Ion 58.05 (57.75 to 58.75): VU033257.D (-373) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.051 ug/L

RT: 2.96 min Scan# 580

Delta R.T. -0.00 min

Lab File: VU033268.D

Acq: 16 Jul 2019 17:25

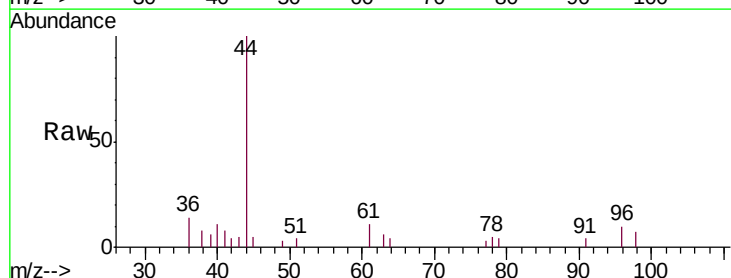
Tgt Ion: 96 Resp: 601

Ion Ratio Lower Upper

96 100

61 109.6 107.1 198.9

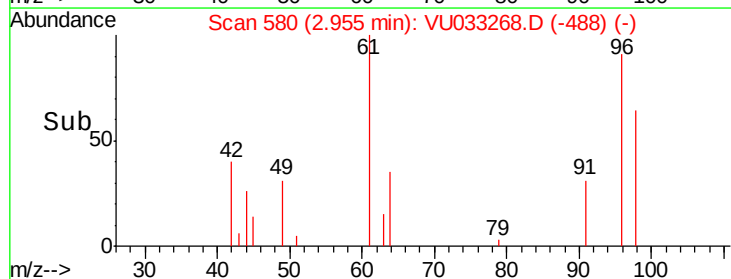
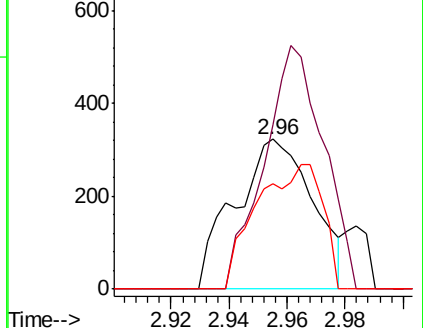
98 70.2 45.4 84.4

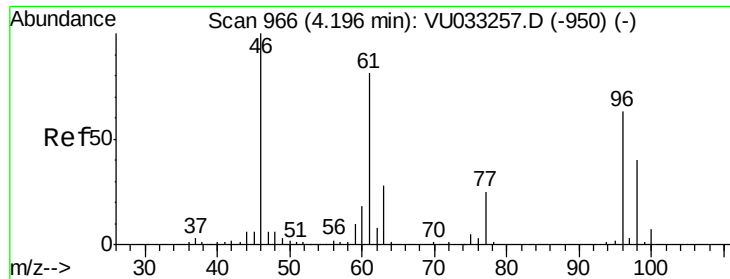


Abundance Ion 96.00 (95.70 to 96.70): VU033257.D (-567) (-)

Ion 61.05 (60.75 to 61.75): VU033257.D (-567) (-)

Ion 97.95 (97.65 to 98.65): VU033257.D (-567) (-)





#22

cis-1,2-Dichloroethene

Concen: 16.411 ug/L

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033268.D

Acq: 16 Jul 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

A52M8

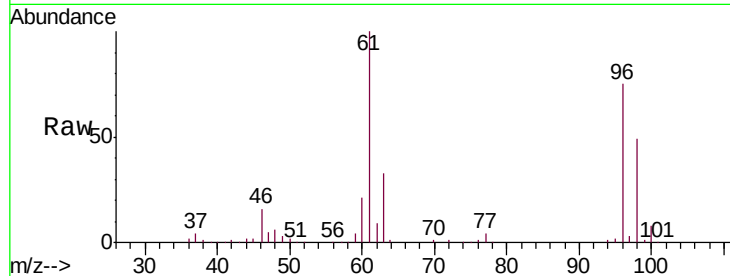
Tgt Ion: 96 Resp: 163742

Ion Ratio Lower Upper

96 100

61 132.7 89.2 165.6

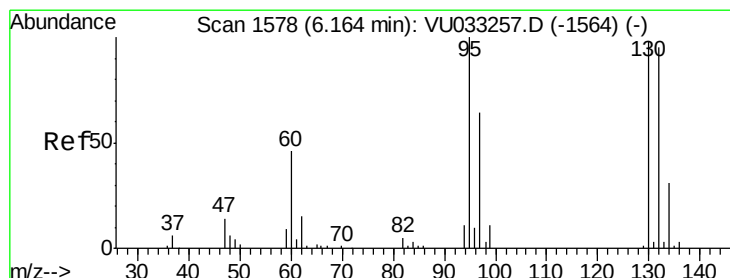
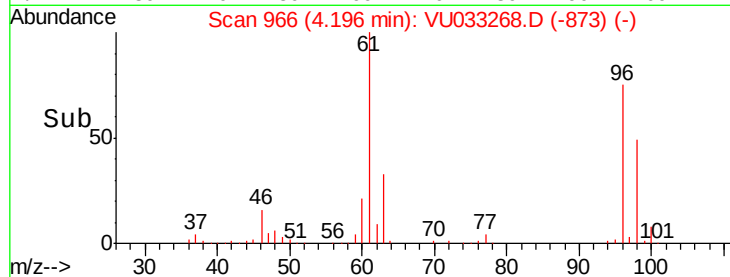
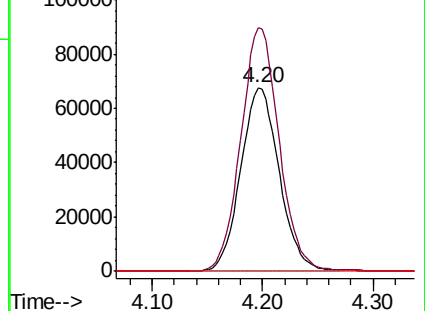
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033257.D (-950) (-)

Ion 61.05 (60.75 to 61.75): VU033257.D (-950) (-)

Ion 68.15 (67.85 to 68.85): VU033257.D (-950) (-)



#34

Trichloroethene

Concen: 2.970 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033268.D

Acq: 16 Jul 2019 17:25

Tgt Ion: 95 Resp: 29900

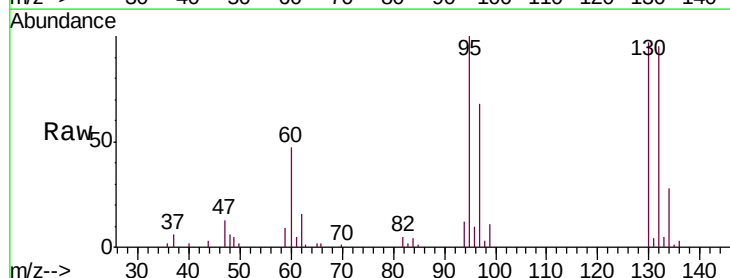
Ion Ratio Lower Upper

95 100

97 67.5 44.5 82.7

132 95.1 66.6 123.8

130 97.2 68.9 127.9

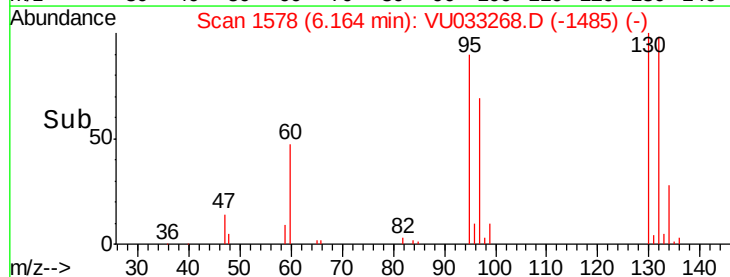
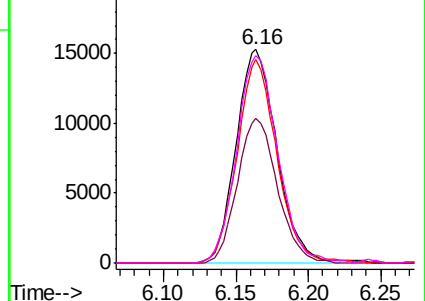


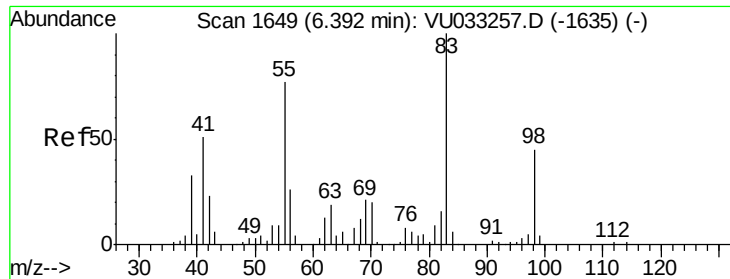
Abundance Ion 95.00 (94.70 to 95.70): VU033257.D (-1564) (-)

Ion 96.95 (96.65 to 97.65): VU033257.D (-1564) (-)

Ion 131.95 (131.65 to 132.65): VU033257.D (-1564) (-)

Ion 129.95 (129.65 to 130.65): VU033257.D (-1564) (-)

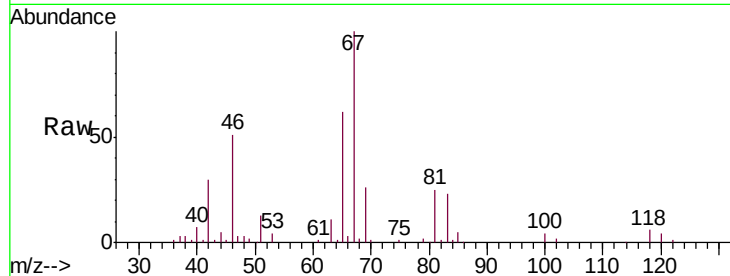




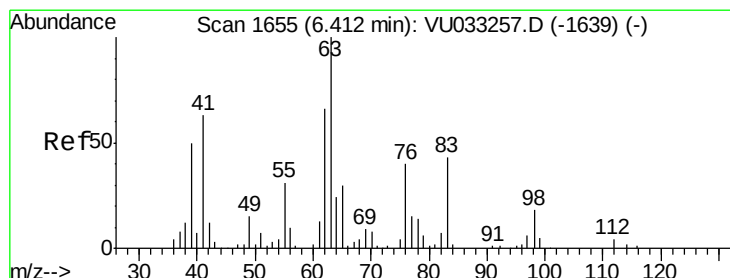
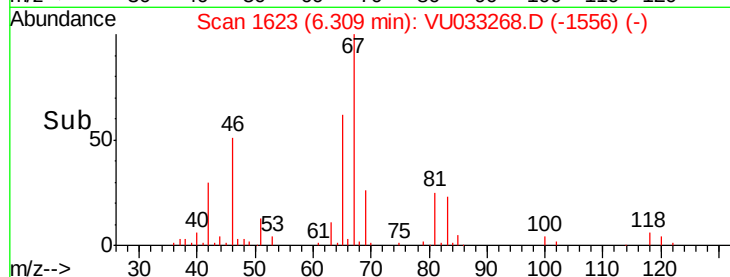
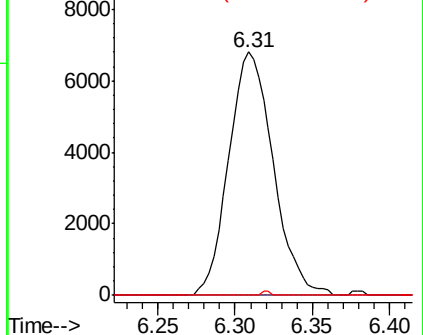
#35
Methylcyclohexane
Concen: 0.896 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.08 min
Lab File: VU033268.D
Acq: 16 Jul 2019 17:25

Instrument :
MSVOA_U
ClientSampleId :
A52M8

Tgt Ion: 83 Resp: 13593
Ion Ratio Lower Upper
83 100
55 0.0 62.6 94.0#
98 0.3 36.2 54.2#

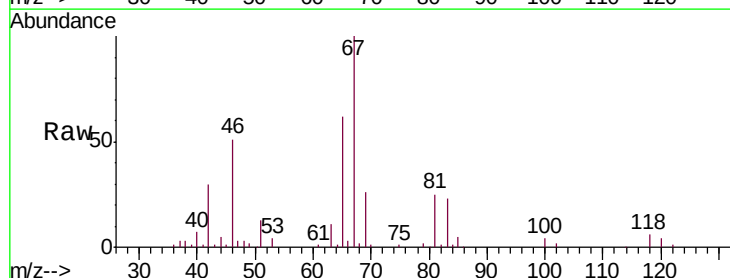


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

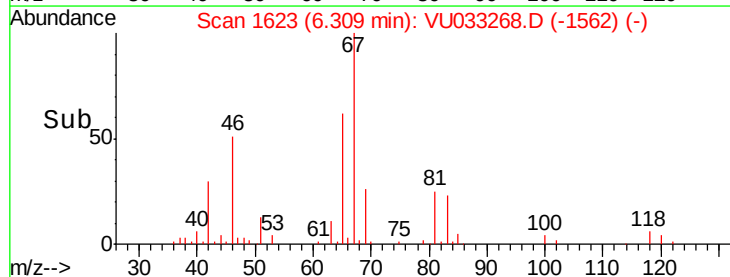
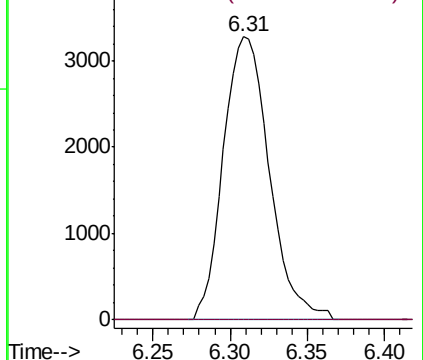


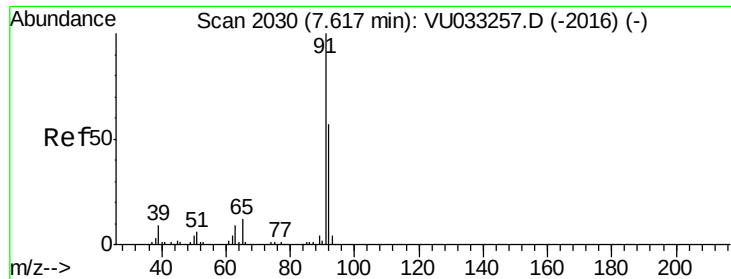
#37
1,2-Dichloropropane
Concen: 0.661 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU033268.D
Acq: 16 Jul 2019 17:25

Tgt Ion: 63 Resp: 6796
Ion Ratio Lower Upper
63 100
112 0.0 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: 0.171 ug/L

RT: 7.62 min Scan# 2032

Delta R.T. 0.01 min

Lab File: VU033268.D

Acq: 16 Jul 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

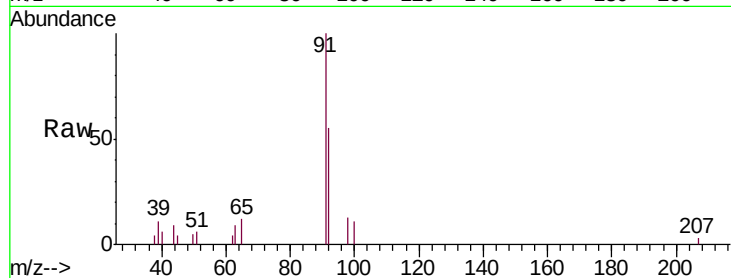
A52M8

Tgt Ion: 91 Resp: 6984

Ion Ratio Lower Upper

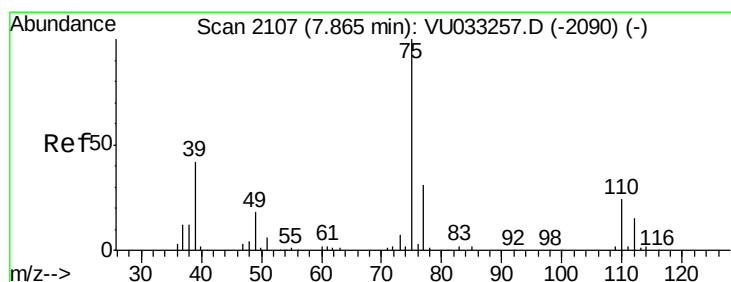
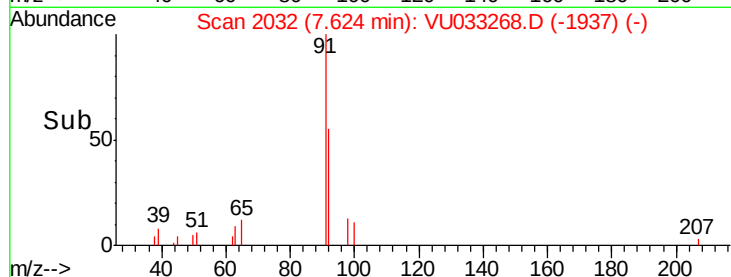
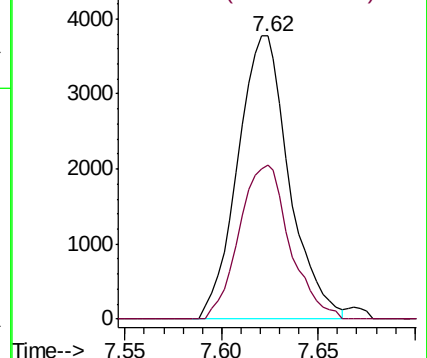
91 100

92 54.6 40.0 74.2



Abundance Ion 91.15 (90.85 to 91.85): VU033257.D (-2016) (-)

Ion 92.15 (91.85 to 92.85): VU033257.D (-2016) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.84 min Scan# 2098

Delta R.T. -0.03 min

Lab File: VU033268.D

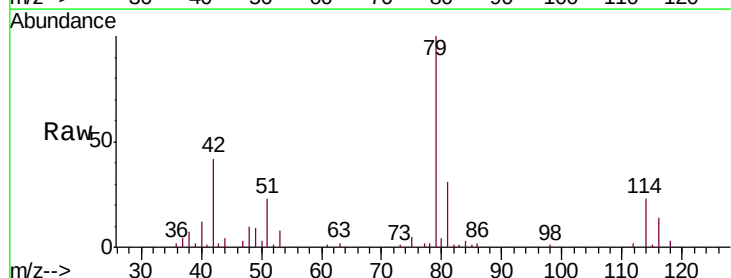
Acq: 16 Jul 2019 17:25

Tgt Ion: 75 Resp: 1037

Ion Ratio Lower Upper

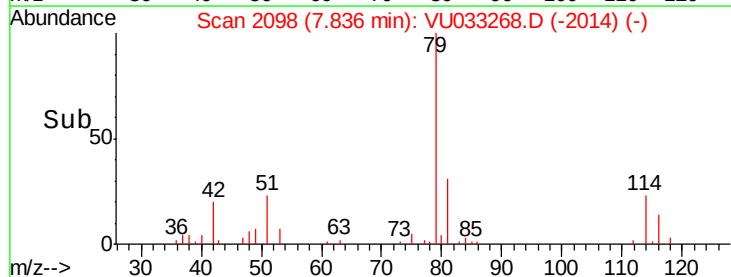
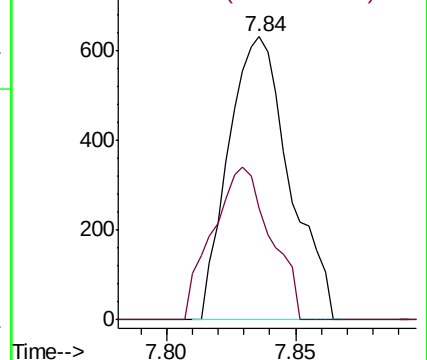
75 100

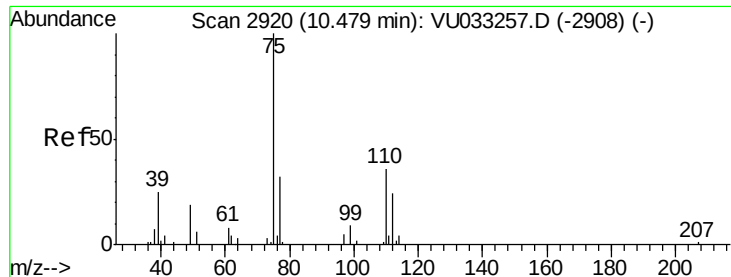
77 39.4 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU033257.D (-2090) (-)

Ion 77.05 (76.75 to 77.75): VU033257.D (-2090) (-)





#59

1,2,3-Trichloropropane

Concen: 1.127 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033268.D

Acq: 16 Jul 2019 17:25

Instrument :

MSVOA_U

ClientSampleId :

A52M8

Tgt Ion: 75 Resp: 7559

Ion Ratio Lower Upper

75 100

77 39.9 26.5 39.7#

