

Data File : VU033941.D
Acq On : 23 Aug 2019 14:40
Operator : JC/SP
Sample : K4485-16DL 200X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B94DL

Quant Time: Aug 26 06:58:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Aug 26 06:54:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	558328	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	570770	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	230227	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	219361	44.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.60%
7) Chloroethane-d5	1.67	69	183914	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.70%
11) 1,1-Dichloroethene-d2	2.25	63	322246	36.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.96%
21) 2-Butanone-d5	4.15	46	314244	95.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.38%
24) Chloroform-d	4.62	84	365820	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
26) 1,2-Dichloroethane-d4	5.28	65	266393	51.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.42%
32) Benzene-d6	5.32	84	795361	49.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.10%
36) 1,2-Dichloropropane-d6	6.31	67	265289	50.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.84%
41) Toluene-d8	7.55	98	677220	46.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.44%
43) trans-1,3-Dichloropropene-	7.83	79	113749	46.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.70%
47) 2-Hexanone-d5	8.29	63	187584	85.74	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.74%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	345475	46.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.22%
64) 1,2-Dichlorobenzene-d4	11.84	152	245995	52.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.72%

Target Compounds

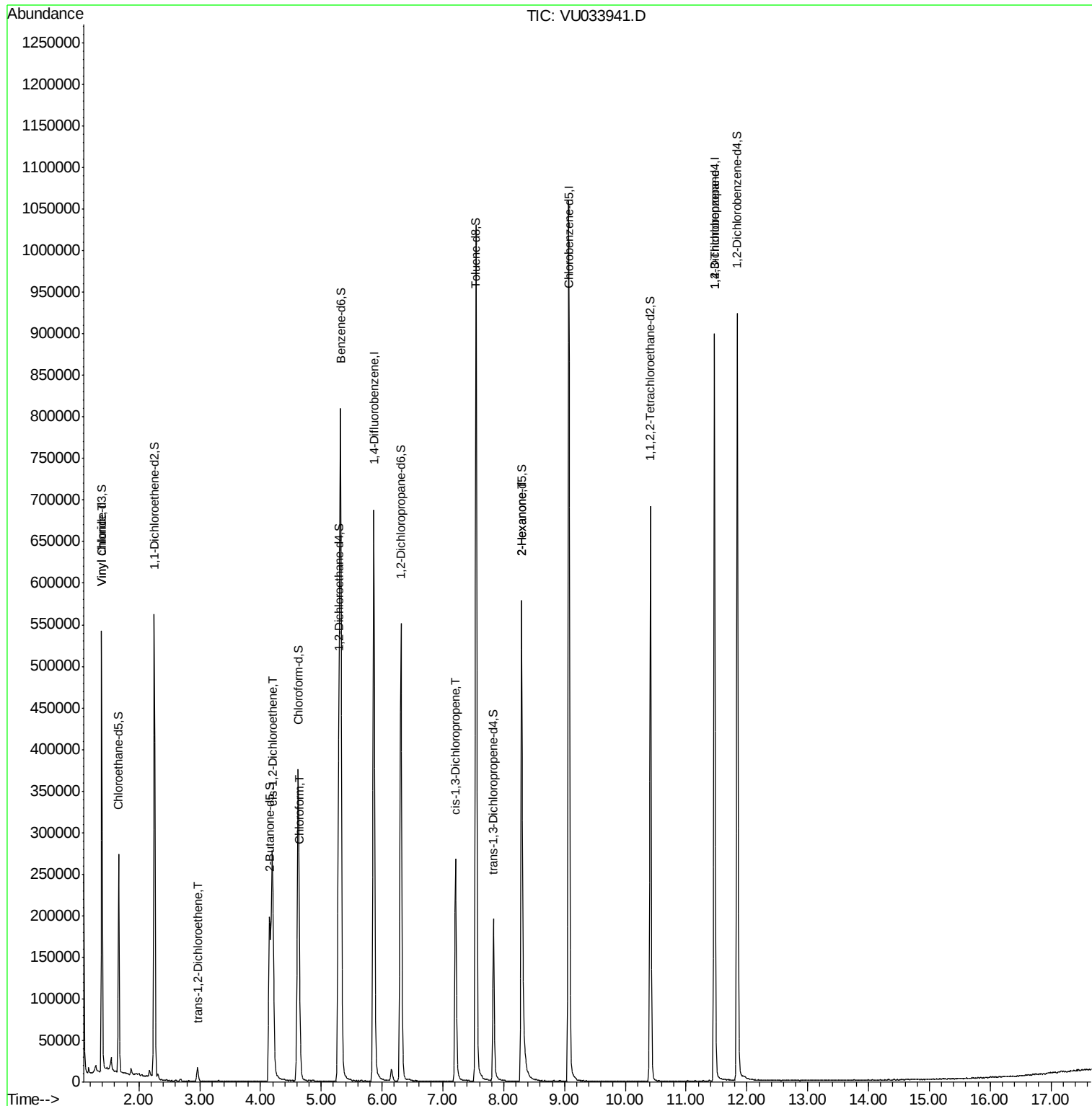
						Qvalue
5) Vinyl chloride	1.39	62	150289	25.762	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	6439	1.592	ug/L	99
20) cis-1,2-Dichloroethene	4.20	96	140954	31.661	ug/L	97
25) Chloroform	4.65	83	26148	3.276	ug/L	100
39) cis-1,3-Dichloropropene	7.21	75	6345	0.904	ug/L #	61
48) 2-Hexanone	8.30	43	28976	5.518	ug/L #	75
59) 1,2,3-Trichloropropane	11.47	75	29909	4.956	ug/L	96

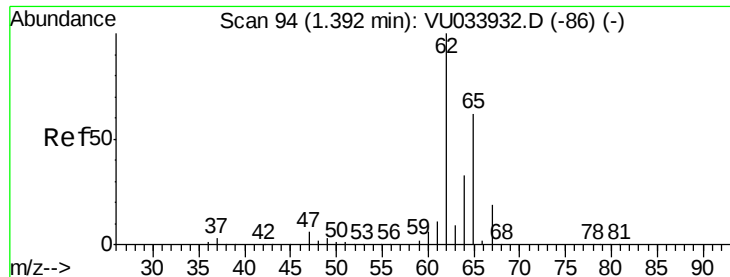
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 25.762 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

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MSVOA_U

ClientSampleId :

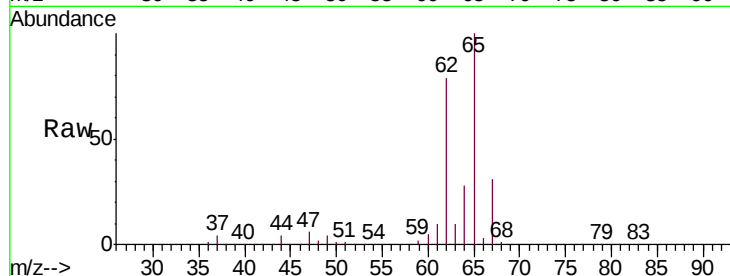
F2B94DL

Tgt Ion: 62 Resp: 150289

Ion Ratio Lower Upper

62 100

64 35.1 23.7 44.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.39

150000

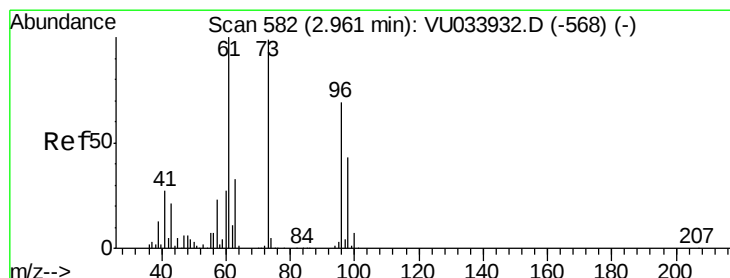
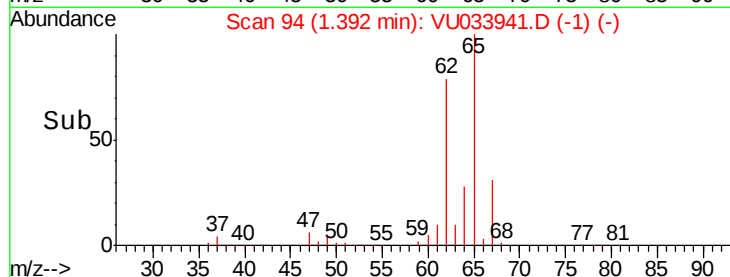
100000

50000

0

Time-->

1.35 1.40 1.45



#17

trans-1,2-Dichloroethene

Concen: 1.592 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033941.D

Acq: 23 Aug 2019 14:40

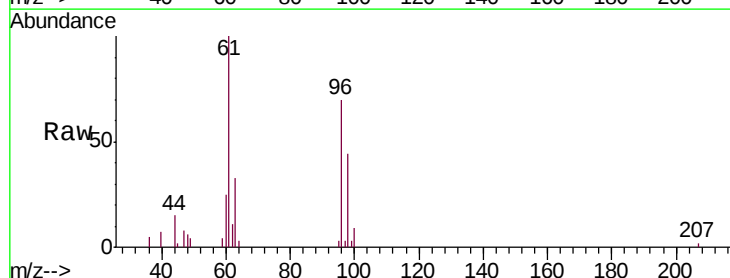
Tgt Ion: 96 Resp: 6439

Ion Ratio Lower Upper

96 100

61 143.2 101.2 187.8

98 62.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

6000

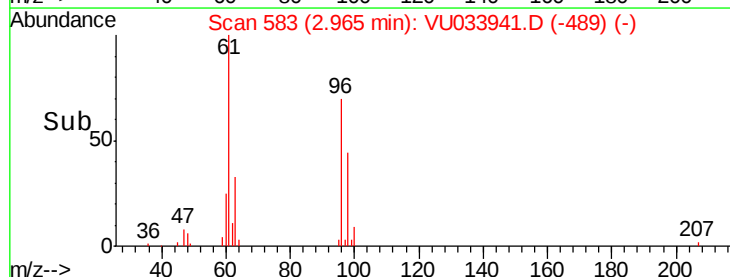
4000

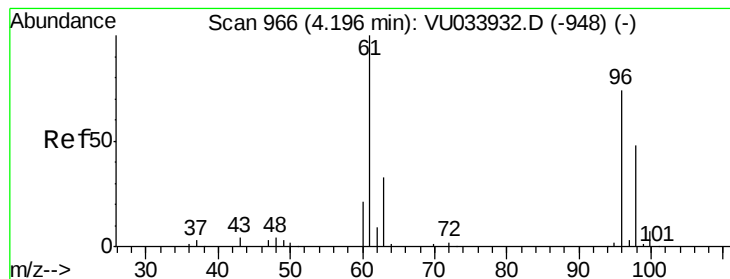
2000

0

Time-->

2.90 2.95 3.00





#20

cis-1,2-Dichloroethene

Concen: 31.661 ug/L

RT: 4.20 min Scan# 966

Delta R.T. 0.00 min

Lab File: VU033941.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

F2B94DL

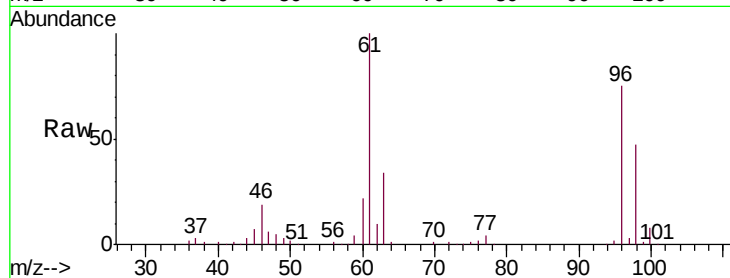
Tgt Ion: 96 Resp: 140954

Ion Ratio Lower Upper

96 100

61 133.2 95.5 177.4

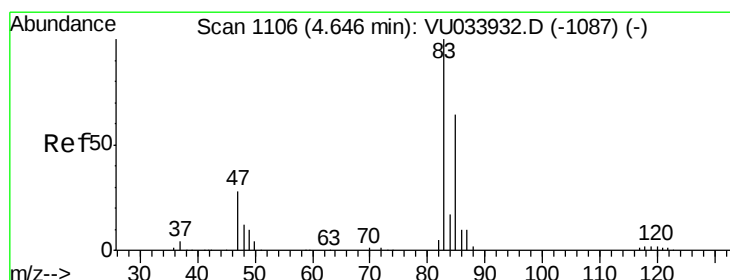
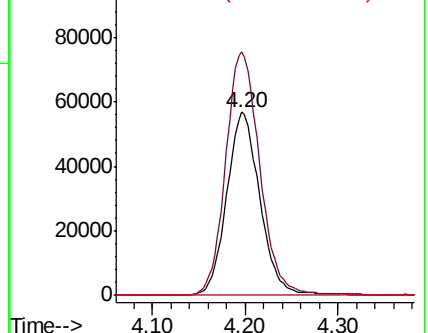
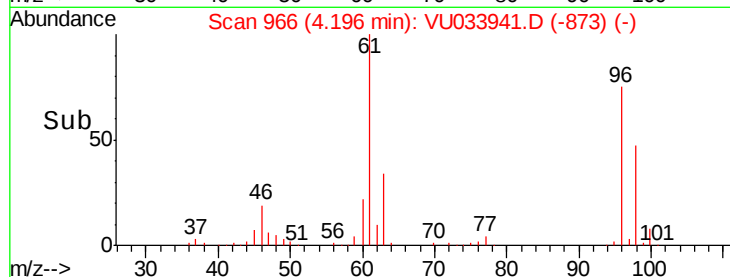
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU033941.D (-873) (-)

Ion 61.00 (60.70 to 61.70): VU033941.D (-873) (-)

Ion 68.00 (67.70 to 68.70): VU033941.D (-873) (-)



#25

Chloroform

Concen: 3.276 ug/L

RT: 4.65 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VU033941.D

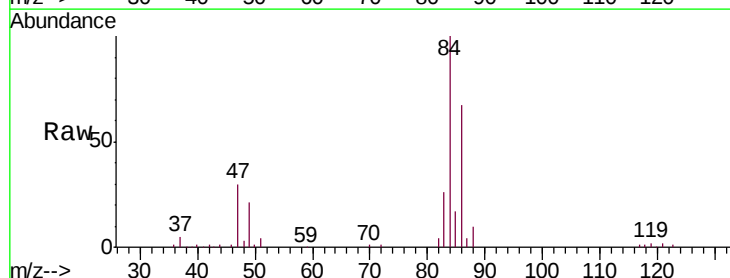
Acq: 23 Aug 2019 14:40

Tgt Ion: 83 Resp: 26148

Ion Ratio Lower Upper

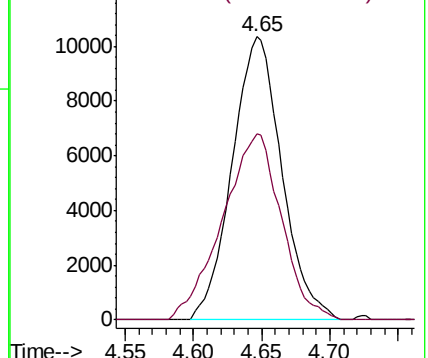
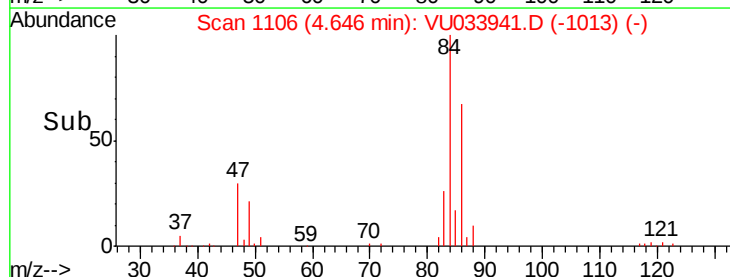
83 100

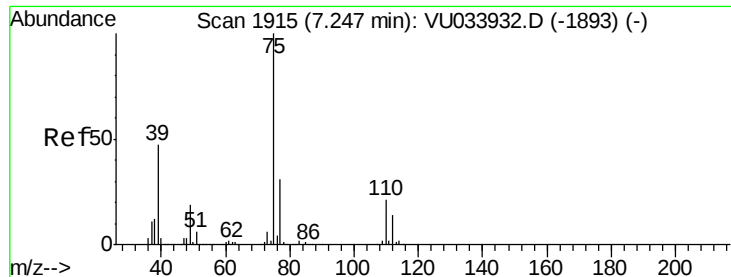
85 65.7 46.2 85.8



Abundance Ion 83.00 (82.70 to 83.70): VU033941.D (-1013) (-)

Ion 85.00 (84.70 to 85.70): VU033941.D (-1013) (-)





#39

cis-1,3-Dichloropropene

Concen: 0.904 ug/L

RT: 7.21 min Scan# 1903

Delta R.T. -0.04 min

Lab File: VU033941.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

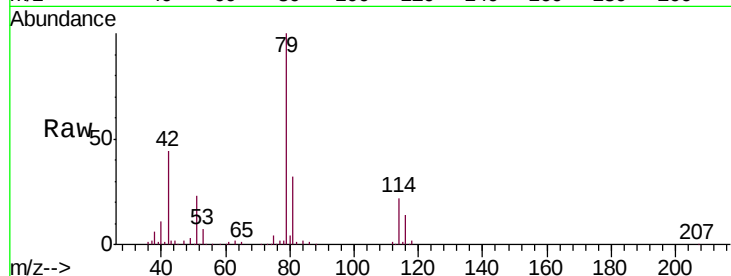
F2B94DL

Tgt Ion: 75 Resp: 6345

Ion Ratio Lower Upper

75 100

77 52.7 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VU033932.D (-1893) (-)

Ion 77.00 (76.70 to 77.70): VU033932.D (-1893) (-)

7.21

4000

3000

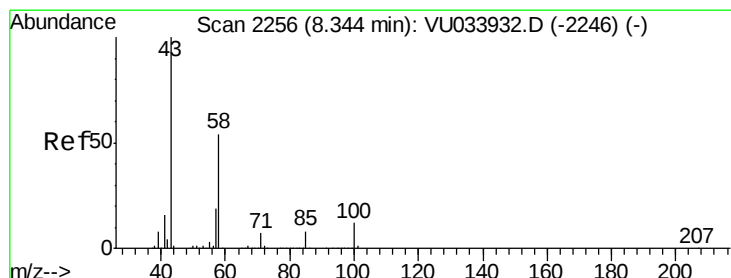
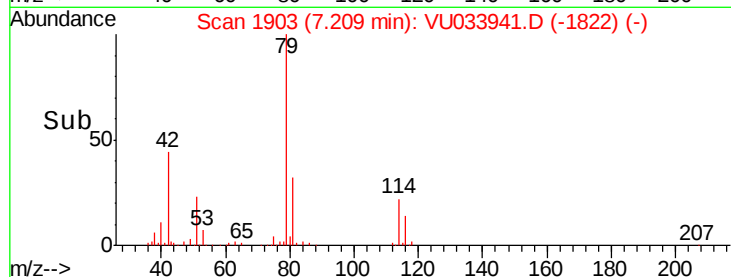
2000

1000

0

7.15 7.20 7.25

Time-->



#48

2-Hexanone

Concen: 5.518 ug/L

RT: 8.30 min Scan# 2241

Delta R.T. -0.05 min

Lab File: VU033941.D

Acq: 23 Aug 2019 14:40

Tgt Ion: 43 Resp: 28976

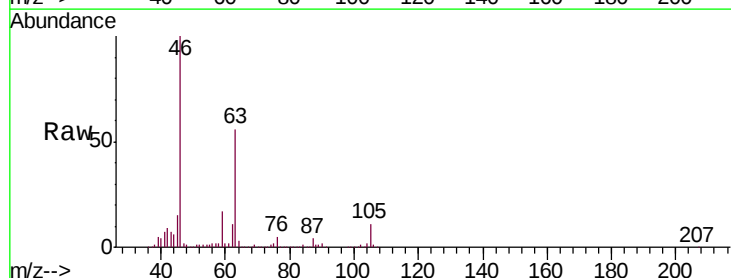
Ion Ratio Lower Upper

43 100

58 36.3 44.3 66.5#

57 29.1 15.3 22.9#

100 1.5 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VU033932.D (-2246) (-)

Ion 58.00 (57.70 to 58.70): VU033932.D (-2246) (-)

Ion 57.00 (56.70 to 57.70): VU033932.D (-2246) (-)

Ion 100.00 (99.70 to 100.70): VU033932.D (-2246) (-)

8.30

20000

15000

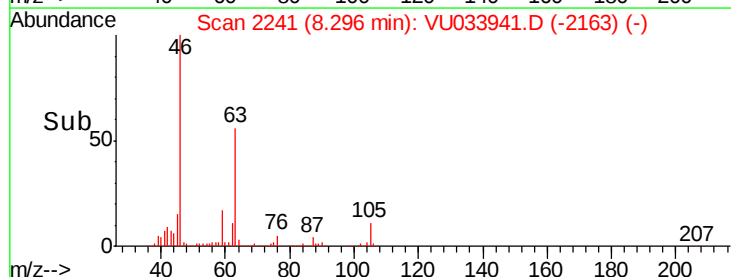
10000

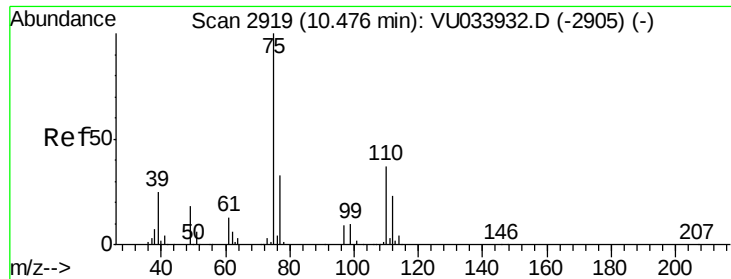
5000

0

8.25 8.30 8.35

Time-->





#59

1,2,3-Trichloropropane

Concen: 4.956 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033941.D

Acq: 23 Aug 2019 14:40

Instrument :

MSVOA_U

ClientSampleId :

F2B94DL

Tgt Ion: 75 Resp: 29909

Ion Ratio Lower Upper

75 100

77 34.5 25.8 38.8

