

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062219\
 Data File : VU032944.D
 Acq On : 21 Jun 2019 14:52
 Operator : JC/SP
 Sample : K3469-07MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 T11-MW-3-8.0-061919MSD

Quant Time: Jun 22 01:46:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM061719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 00:32:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	193042	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	190636	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91467	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50229	38.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.14%
7) Chloroethane-d5	1.67	69	45249	43.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.02%
11) 1,1-Dichloroethene-d2	2.27	63	109622	41.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.50%
21) 2-Butanone-d5	4.17	46	117156	106.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.69%
24) Chloroform-d	4.64	84	117373	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.52%
26) 1,2-Dichloroethane-d4	5.30	65	83302	48.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.52%
32) Benzene-d6	5.34	84	219769	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.44%
36) 1,2-Dichloropropane-d6	6.32	67	74745	47.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.42%
41) Toluene-d8	7.56	98	194476	41.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.58%
43) trans-1,3-Dichloropropene-	7.84	79	35821	43.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.00%
47) 2-Hexanone-d5	8.31	63	70899	95.91	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.91%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	115466	47.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	81669	46.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.28%

Target Compounds

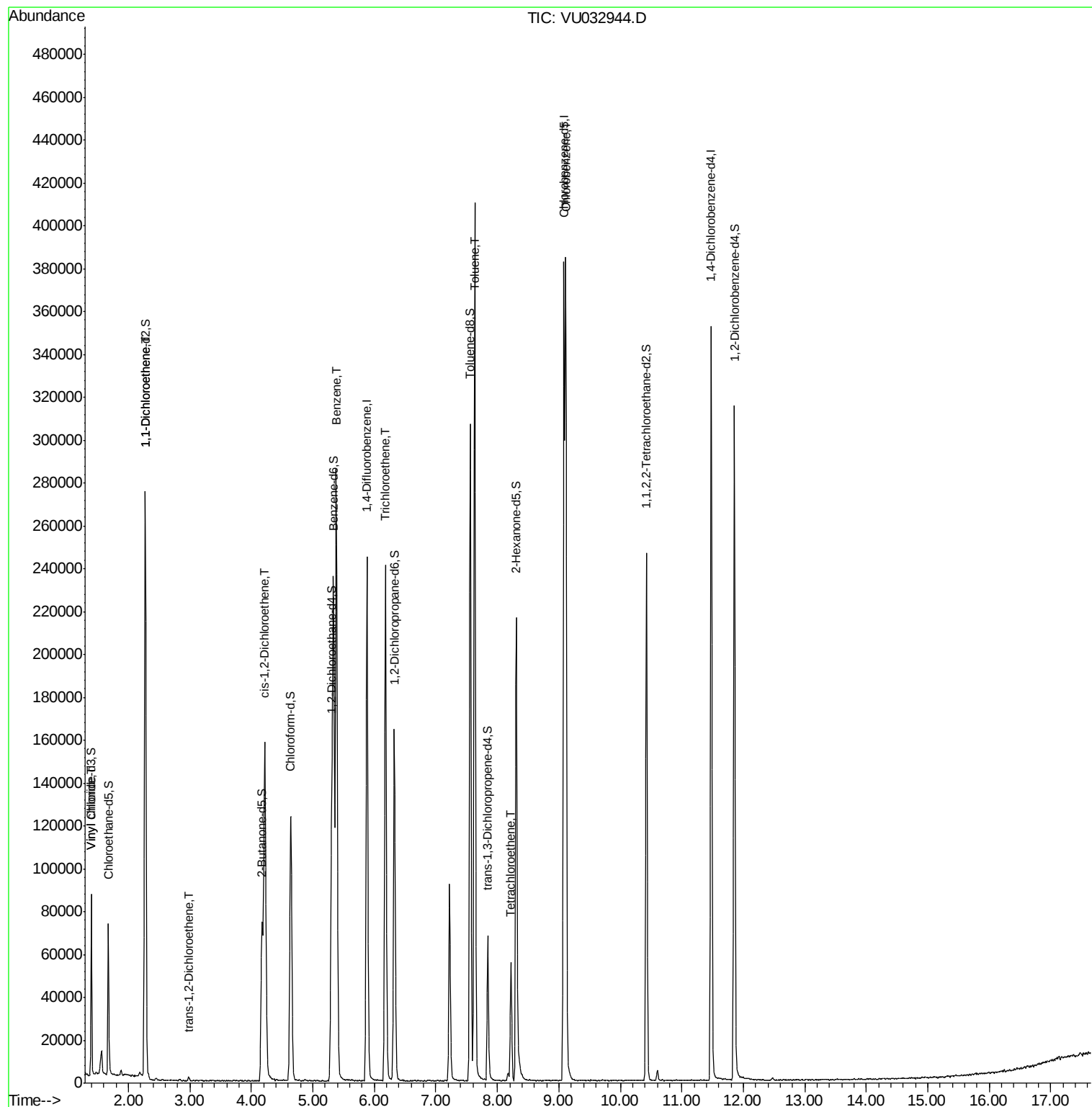
					Ovalue
5) Vinyl chloride	1.40	62	1266	0.722 ug/L	# 7
12) 1,1-Dichloroethene	2.28	96	55922	46.002 ug/L	89
17) trans-1,2-Dichloroethene	2.98	96	702	0.533 ug/L	95
20) cis-1,2-Dichloroethene	4.22	96	81986	57.089 ug/L	96
33) Benzene	5.38	78	266428	48.514 ug/L	100
34) Trichloroethene	6.18	95	78860	53.744 ug/L	98
42) Toluene	7.63	91	286587	48.232 ug/L	99
46) Tetrachloroethene	8.22	164	11855	9.860 ug/L	96
51) Chlorobenzene	9.11	112	186298	47.646 ug/L	97

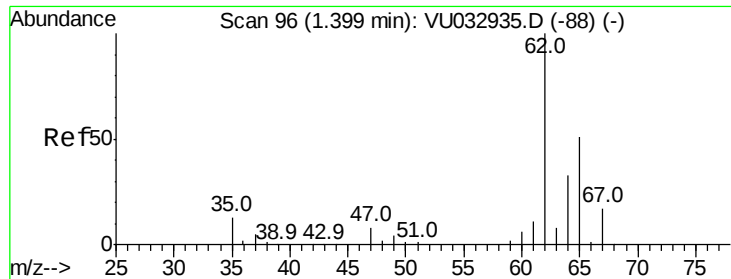
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Jun 22 00:32:21 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.722 ug/L

RT: 1.40 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU032944.D

Acq: 21 Jun 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

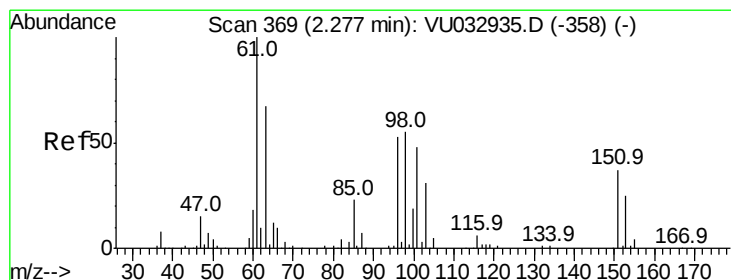
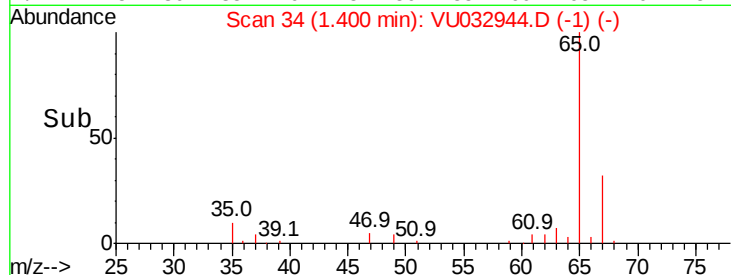
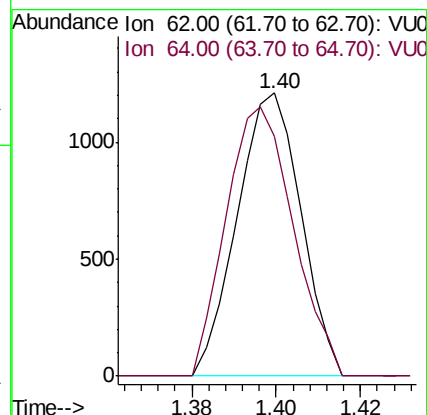
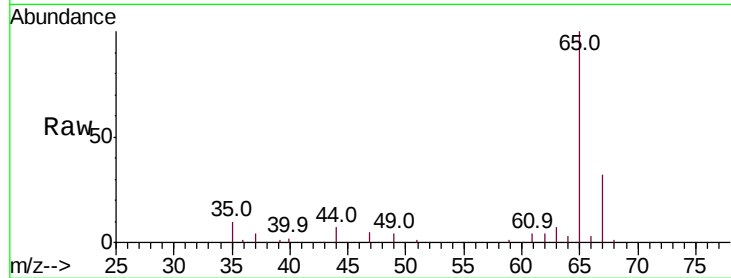
T11-MW-3-8.0-061919MSD

Tot Ion: 62 Resp: 1266

Ion Ratio Lower Upper

62 100

64 84.9 23.0 42.6#



#12

1,1-Dichloroethene

Concen: 46.002 ug/L

RT: 2.28 min Scan# 307

Delta R.T. 0.00 min

Lab File: VU032944.D

Acq: 21 Jun 2019 14:52

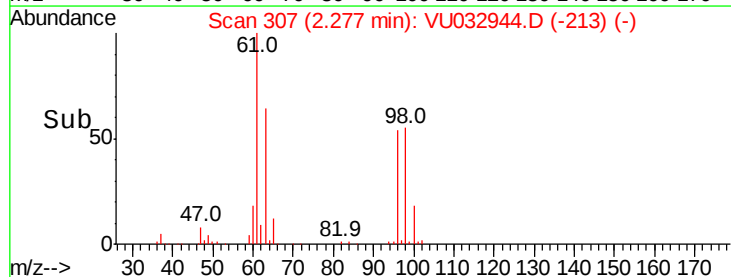
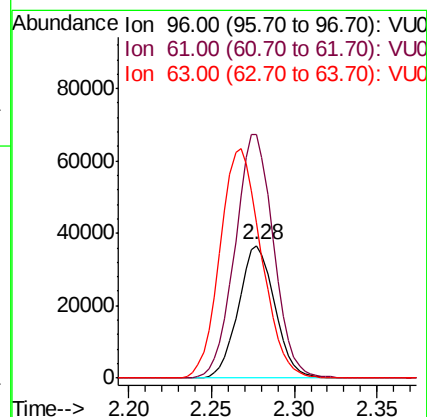
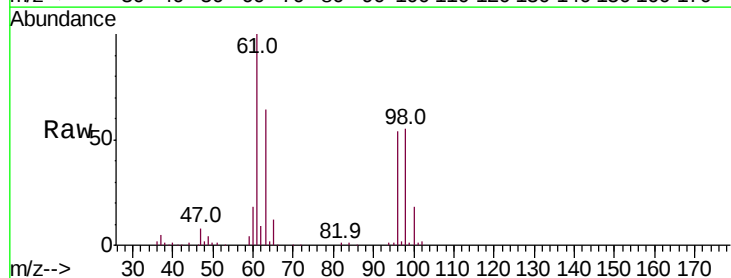
Tgt Ion: 96 Resp: 55922

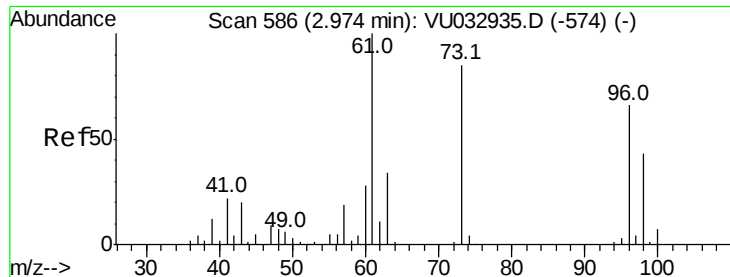
Ion Ratio Lower Upper

96 100

61 183.5 131.0 243.4

63 116.9 101.0 187.6

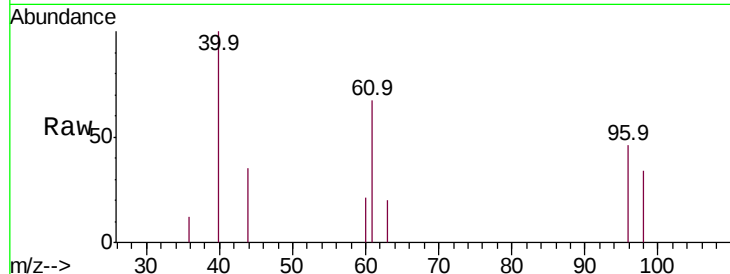




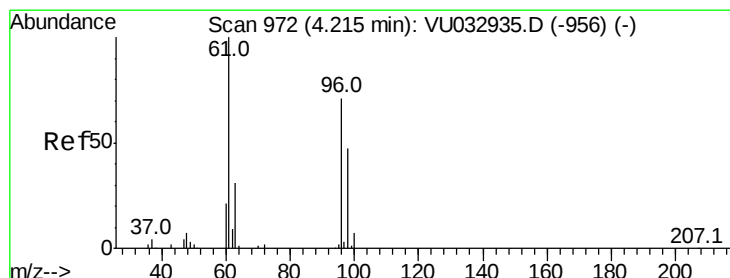
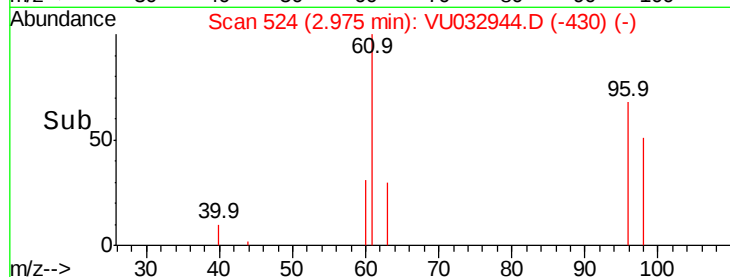
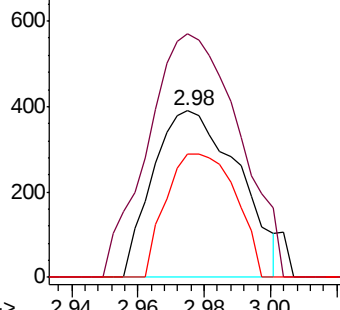
#17
trans-1,2-Dichloroethene
Concen: 0.533 ug/L
RT: 2.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: VU032944.D
Acq: 21 Jun 2019 14:52

Instrument :
MSVOA_U
ClientSampleId :
T11-MW-3-8.0-061919MSD

Tot Ion: 96 Resp: 702
Ion Ratio Lower Upper
96 100
61 146.2 100.9 187.5
98 74.1 44.0 81.8

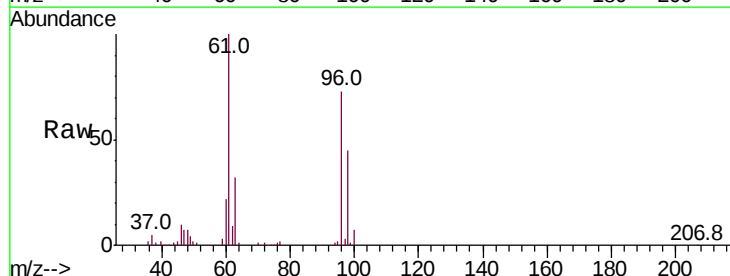


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

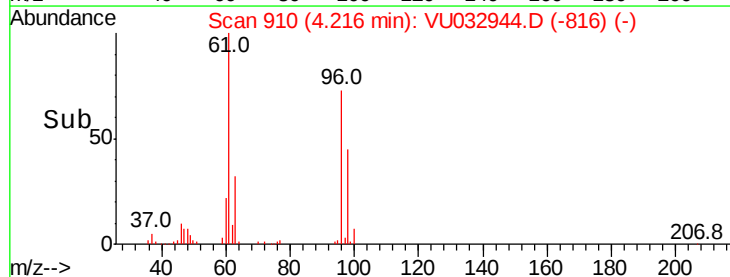
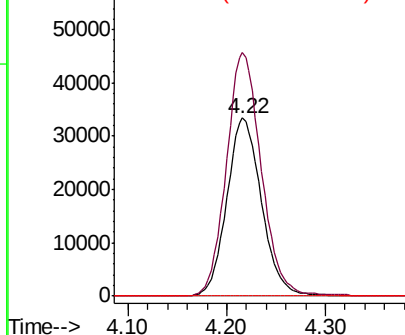


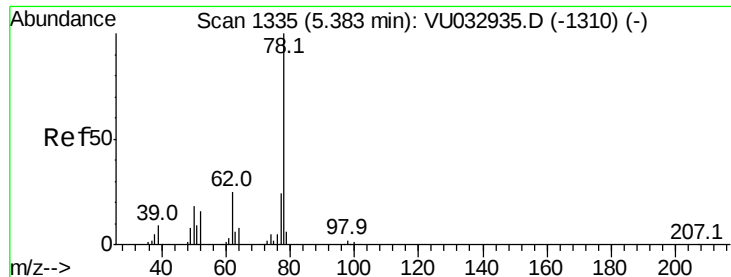
#20
cis-1,2-Dichloroethene
Concen: 57.089 ug/L
RT: 4.22 min Scan# 910
Delta R.T. 0.00 min
Lab File: VU032944.D
Acq: 21 Jun 2019 14:52

Tgt Ion: 96 Resp: 81986
Ion Ratio Lower Upper
96 100
61 136.9 92.4 171.6
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#33

Benzene

Concen: 48.514 ug/L

RT: 5.38 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU032944.D

Acq: 21 Jun 2019 14:52

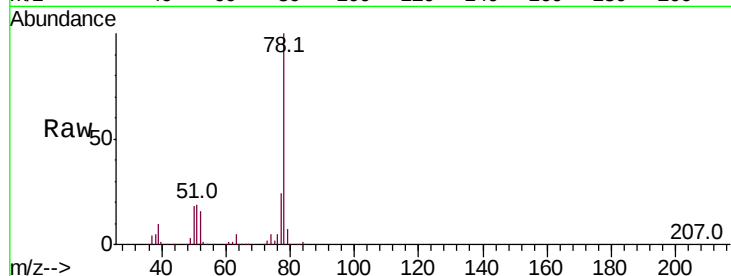
Instrument :

MSVOA_U

ClientSampleId :

T11-MW-3-8.0-061919MSD

Tgt Ion: 78 Resp: 266428



Abundance Ion 78.00 (77.70 to 78.70): VU0

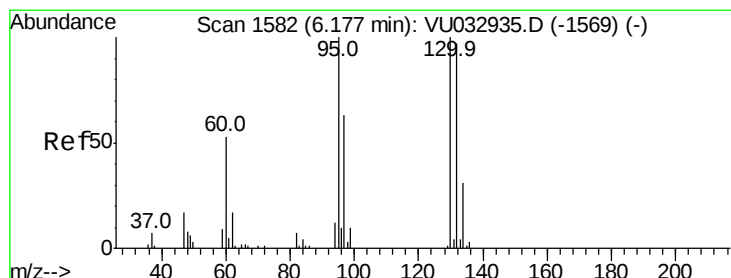
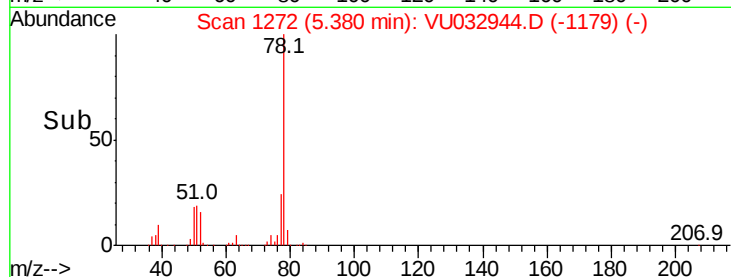
5.38

100000

50000

0

Time-->



#34

Trichloroethene

Concen: 53.744 ug/L

RT: 6.18 min Scan# 1520

Delta R.T. 0.00 min

Lab File: VU032944.D

Acq: 21 Jun 2019 14:52

Tgt Ion: 95 Resp: 78860

Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.9	85.3
132	93.7	68.5	127.3
130	101.7	70.8	131.4

Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

6.18

60000

50000

40000

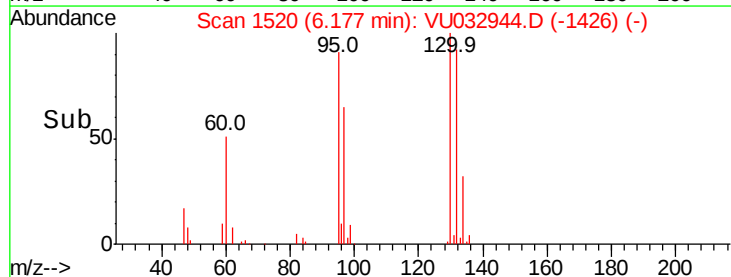
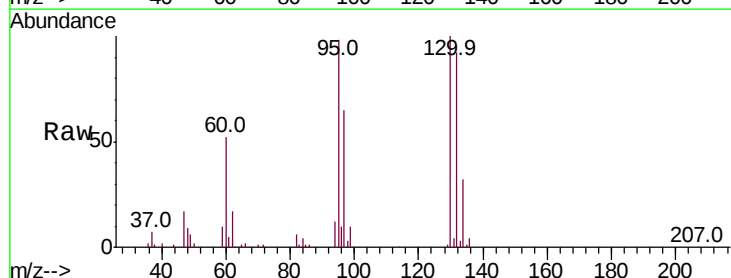
30000

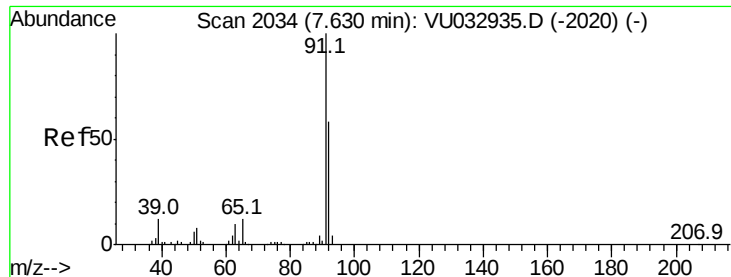
20000

10000

0

Time-->





#42

Toluene

Concen: 48.232 ug/L

RT: 7.63 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VU032944.D

Acq: 21 Jun 2019 14:52

Instrument :

MSVOA_U

ClientSampleId :

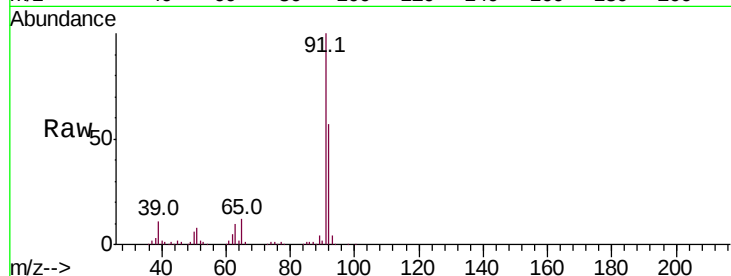
T11-MW-3-8.0-061919MSD

Tot Ion: 91 Resp: 286587

Ion Ratio Lower Upper

91 100

92 56.8 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VU032935.D (-2020) (-)

Ion 92.00 (91.70 to 92.70): VU032935.D (-2020) (-)

7.63

150000

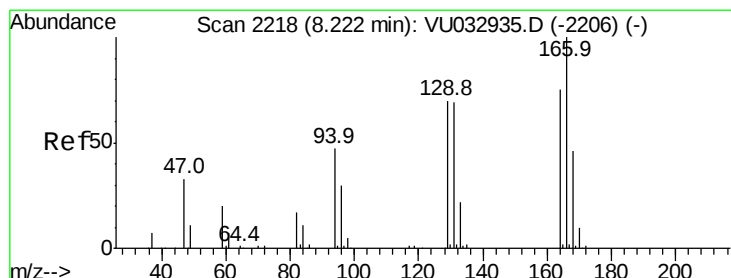
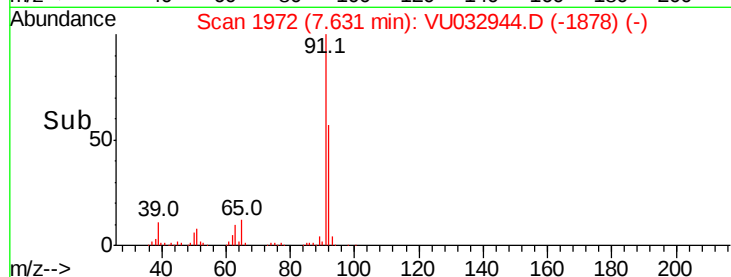
100000

50000

0

7.60 7.70

Time-->



#46

Tetrachloroethene

Concen: 9.860 ug/L

RT: 8.22 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VU032944.D

Acq: 21 Jun 2019 14:52

Tgt Ion:164 Resp: 11855

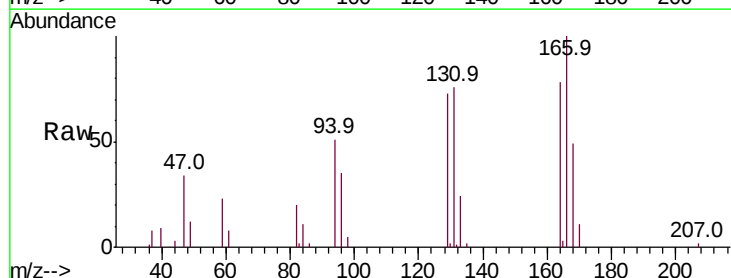
Ion Ratio Lower Upper

164 100

129 90.7 64.8 120.3

131 94.3 64.5 119.7

166 124.0 91.3 169.6



Abundance Ion 164.00 (163.70 to 164.70): VU032935.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU032935.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU032935.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU032935.D (-2206) (-)

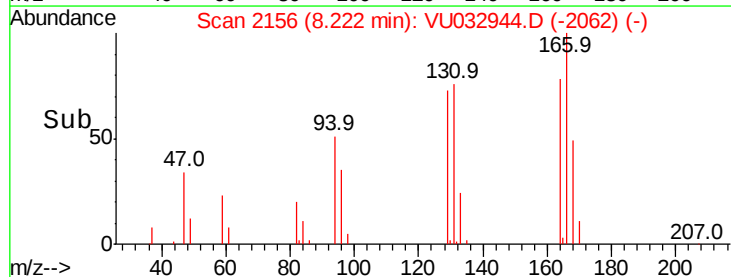
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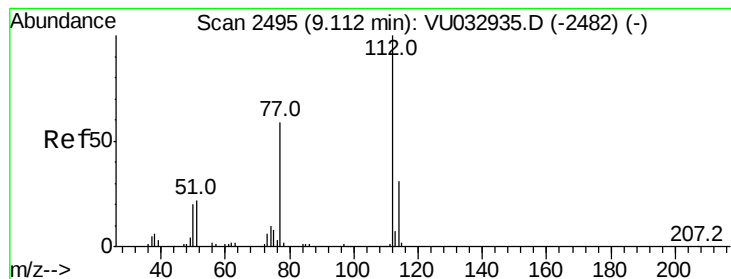
5000

0

8.15 8.20 8.25

Time-->





#51

Chlorobenzene

Concen: 47.646 ug/L

RT: 9.11 min Scan# 2433

Delta R.T. 0.00 min

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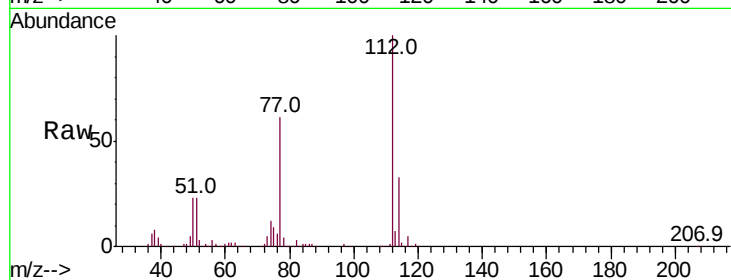
Tot Ion:112 Resp: 186298

Ion Ratio Lower Upper

112 100

114 33.0 22.8 42.4

77 61.4 46.3 69.5



Abundance Ion 112.00 (111.70 to 112.70): V

150000 Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

