

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062219\
 Data File : VU032943.D
 Acq On : 21 Jun 2019 14:29
 Operator : JC/SP
 Sample : K3469-06MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jun 22 01:43:57 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	194706	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	188858	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	50426	37.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.80%
7) Chloroethane-d5	1.67	69	45858	43.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.42%
11) 1,1-Dichloroethene-d2	2.27	63	111548	41.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.22%
21) 2-Butanone-d5	4.17	46	117146	105.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.77%
24) Chloroform-d	4.64	84	118295	45.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.46%
26) 1,2-Dichloroethane-d4	5.30	65	83989	48.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.48%
32) Benzene-d6	5.33	84	220287	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
36) 1,2-Dichloropropane-d6	6.32	67	73867	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	7.56	98	194129	42.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.22%
43) trans-1,3-Dichloropropene-	7.84	79	35779	43.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.72%
47) 2-Hexanone-d5	8.31	63	71552	97.71	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.71%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	114745	47.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	82830	47.73	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.46%

Target Compounds

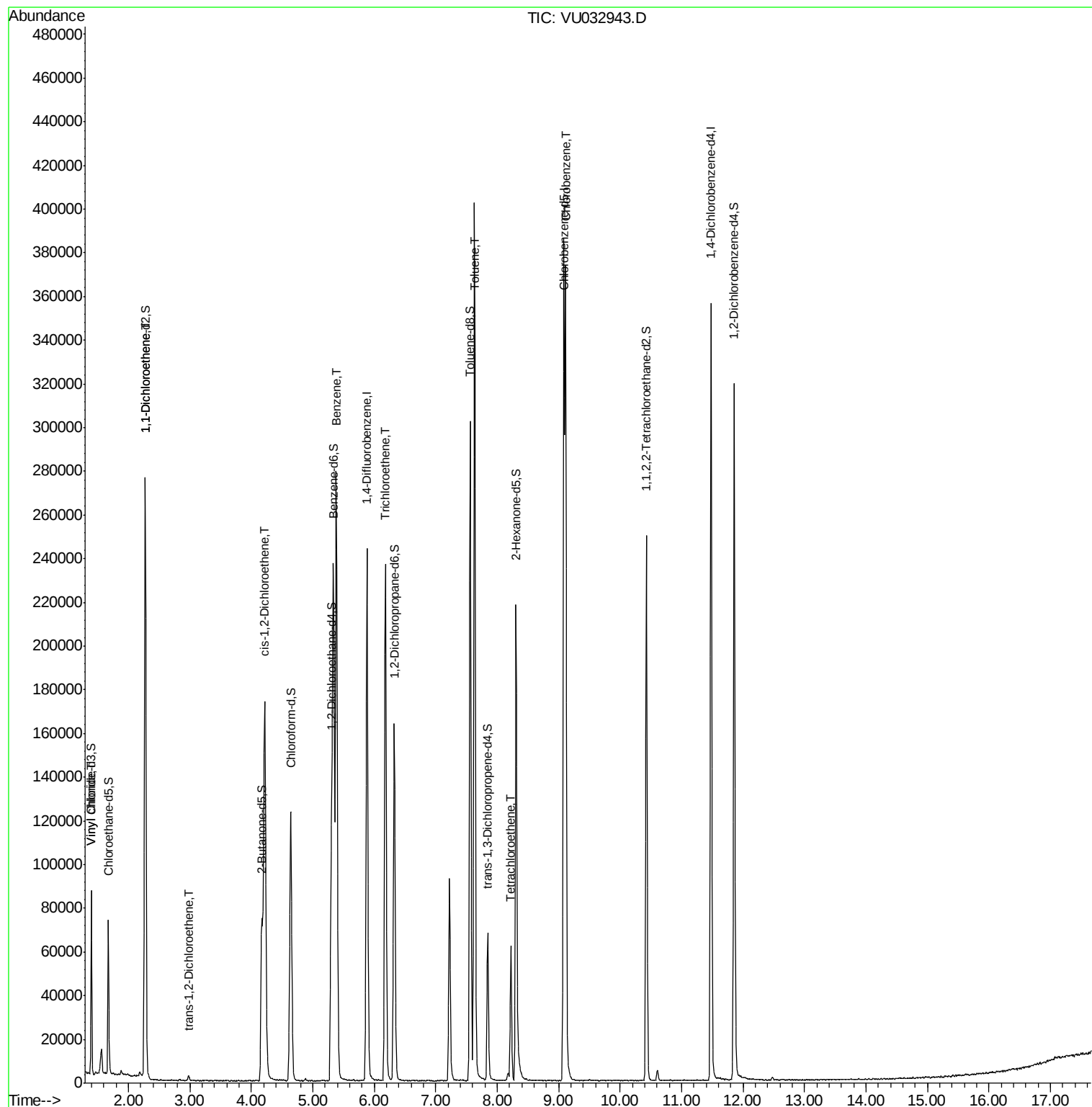
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	1501	0.849	ug/L	# 26
12) 1,1-Dichloroethene	2.28	96	55518	45.279	ug/L	89
17) trans-1,2-Dichloroethene	2.97	96	1062	0.799	ug/L	93
20) cis-1,2-Dichloroethene	4.22	96	89861	62.038	ug/L	96
33) Benzene	5.38	78	261982	48.154	ug/L	100
34) Trichloroethene	6.18	95	79124	54.432	ug/L	97
42) Toluene	7.63	91	280823	47.707	ug/L	100
46) Tetrachloroethene	8.22	164	13289	11.157	ug/L	97
51) Chlorobenzene	9.11	112	183093	47.268	ug/L	99

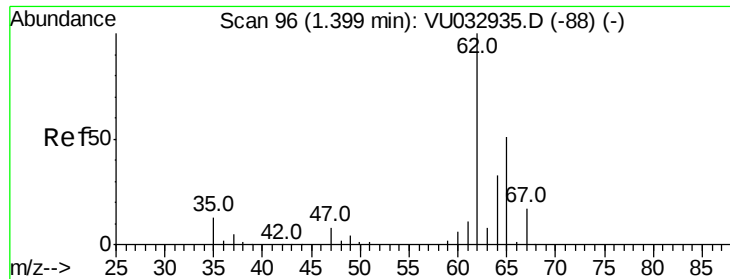
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 0.849 ug/L

RT: 1.40 min Scan# 33

Delta R.T. -0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

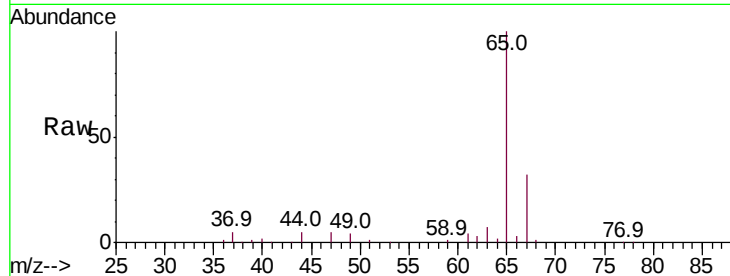
T11-MW-3-8.0-061919MS

Tot Ion: 62 Resp: 1501

Ion Ratio Lower Upper

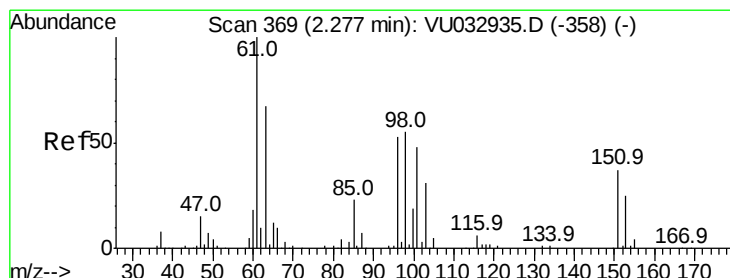
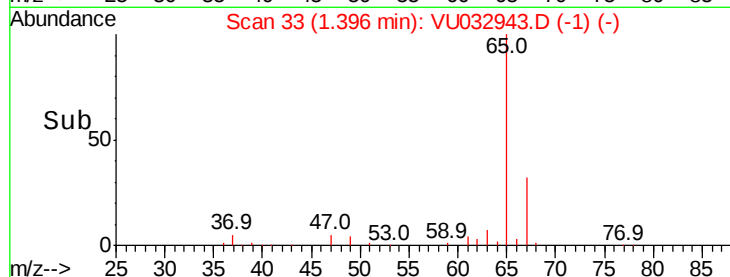
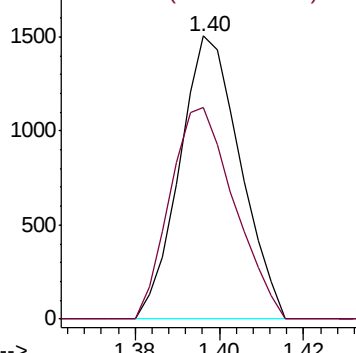
62 100

64 74.6 23.0 42.6#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 45.279 ug/L

RT: 2.28 min Scan# 307

Delta R.T. 0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

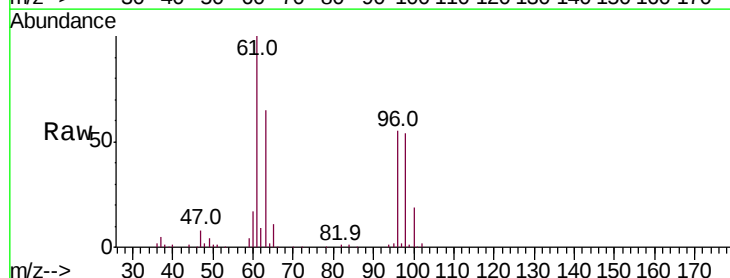
Tgt Ion: 96 Resp: 55518

Ion Ratio Lower Upper

96 100

61 182.3 131.0 243.4

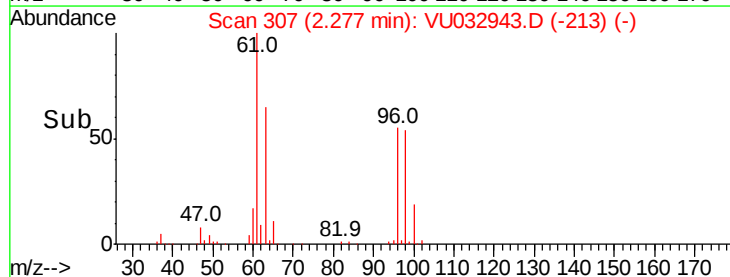
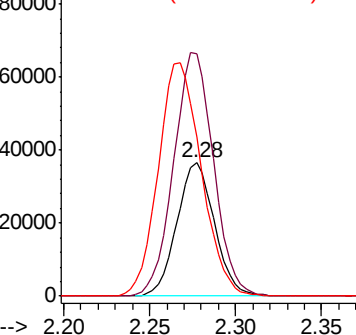
63 119.1 101.0 187.6

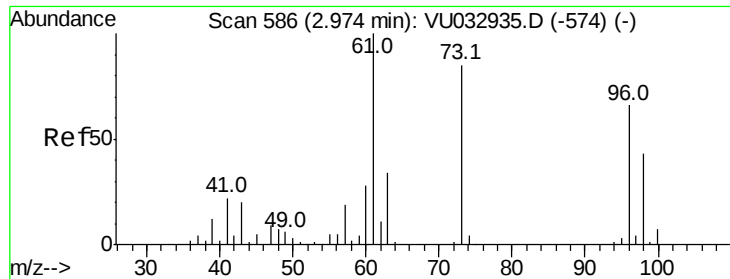


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0

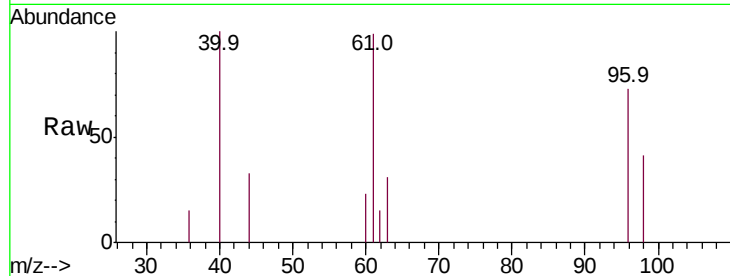




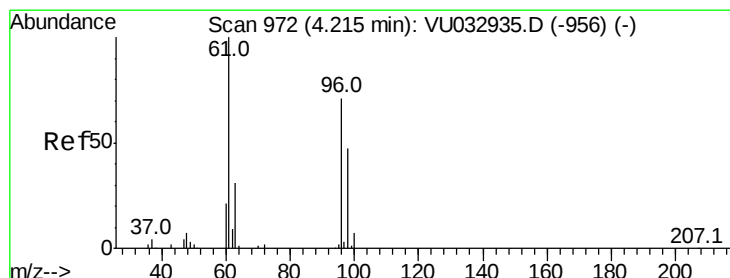
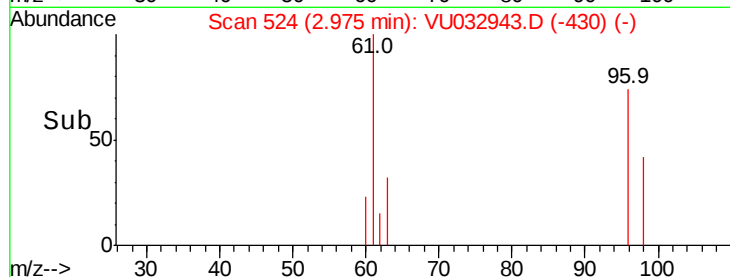
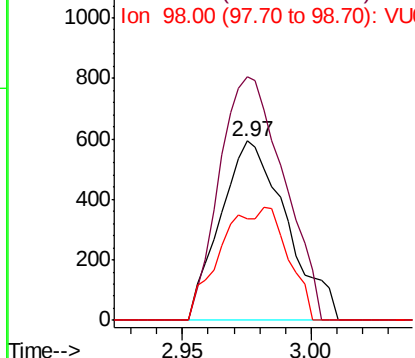
#17
trans-1,2-Dichloroethene
Concen: 0.799 ug/L
RT: 2.97 min Scan# 524
Delta R.T. 0.00 min
Lab File: VU032943.D
Acq: 21 Jun 2019 14:29

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

Tot Ion: 96 Resp: 1062
Ion Ratio Lower Upper
96 100
61 135.8 100.9 187.5
98 56.7 44.0 81.8

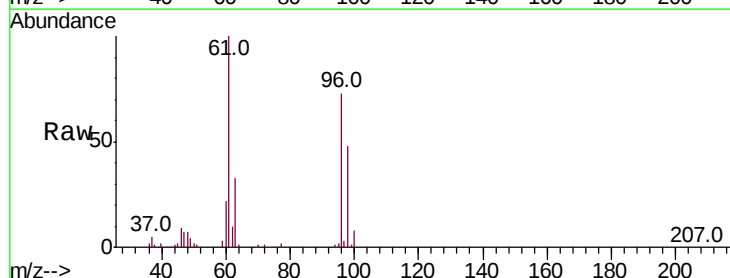


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

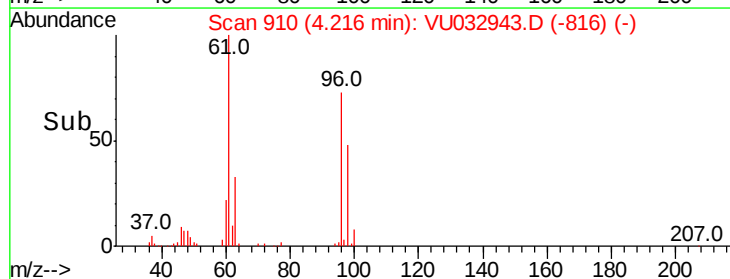
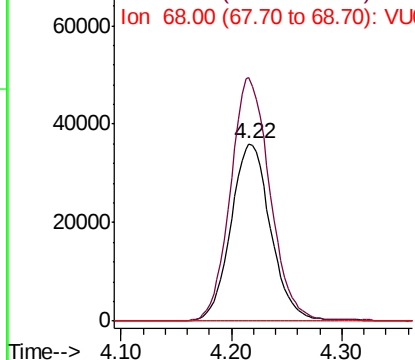


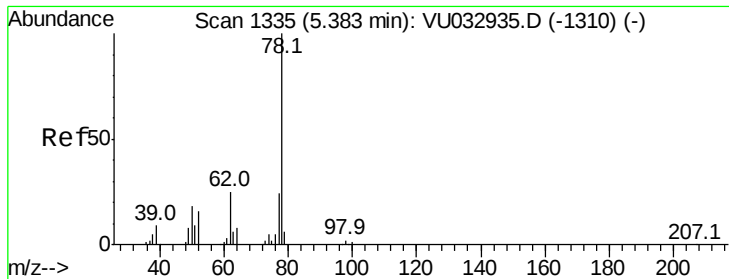
#20
cis-1,2-Dichloroethene
Concen: 62.038 ug/L
RT: 4.22 min Scan# 910
Delta R.T. 0.00 min
Lab File: VU032943.D
Acq: 21 Jun 2019 14:29

Tgt Ion: 96 Resp: 89861
Ion Ratio Lower Upper
96 100
61 137.1 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: 48.154 ug/L

RT: 5.38 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

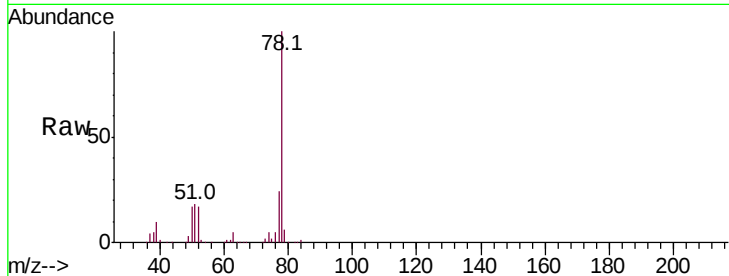
Instrument :

MSVOA_U

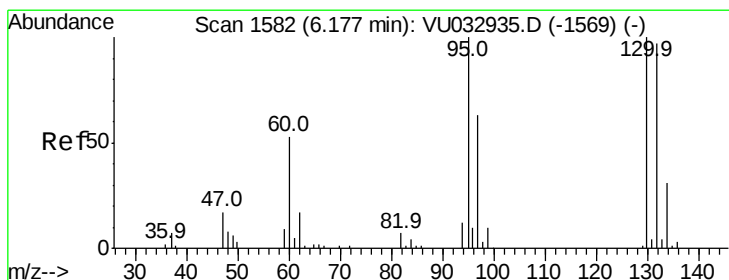
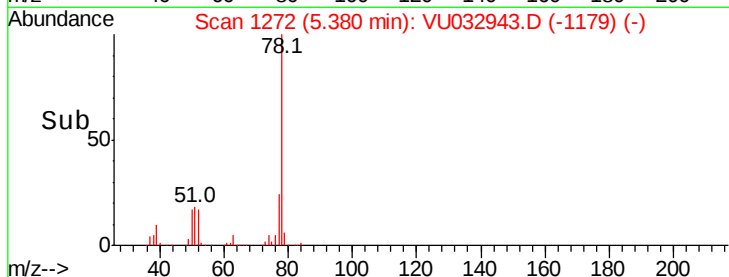
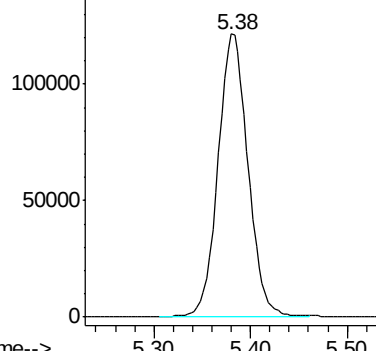
ClientSampleId :

T11-MW-3-8.0-061919MS

Tgt Ion: 78 Resp: 261982



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 54.432 ug/L

RT: 6.18 min Scan# 1521

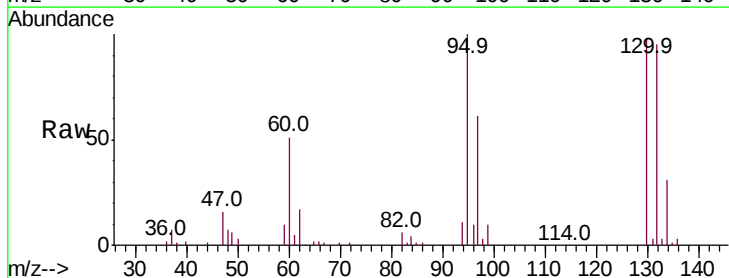
Delta R.T. 0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Tgt Ion: 95 Resp: 79124

Ion	Ratio	Lower	Upper
95	100		
97	61.5	45.9	85.3
132	95.2	68.5	127.3
130	98.5	70.8	131.4

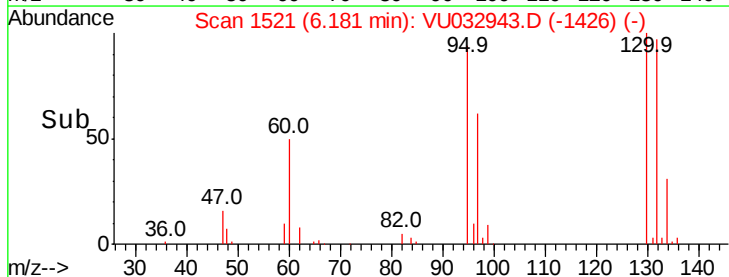


Abundance Ion 95.00 (94.70 to 95.70): VU0

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

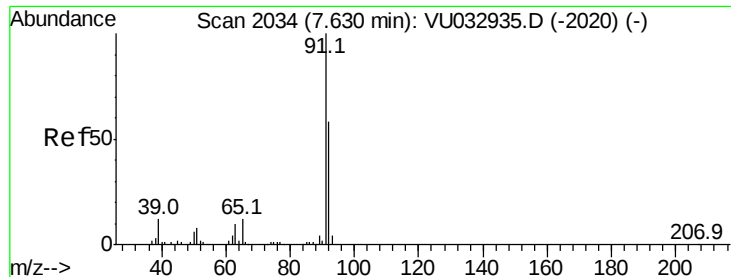


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#42

Toluene

Concen: 47.707 ug/L

RT: 7.63 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Instrument :

MSVOA_U

ClientSampleId :

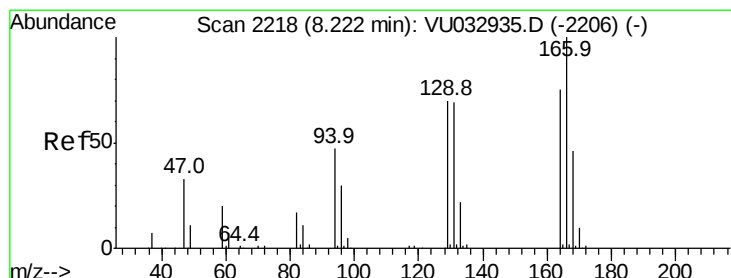
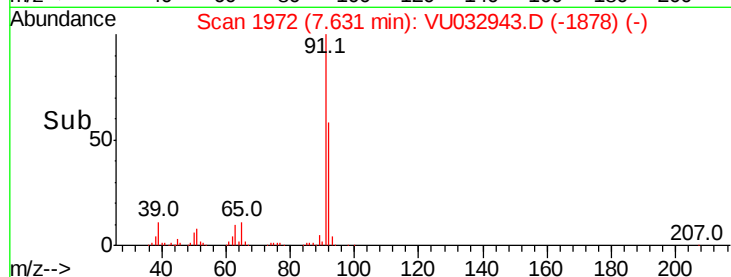
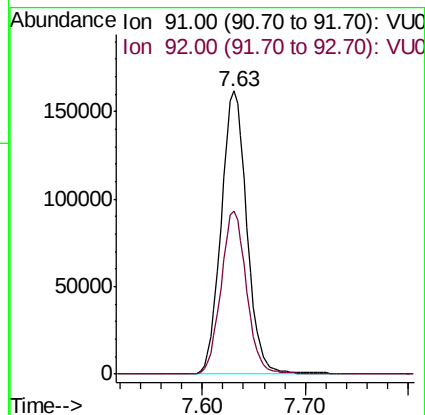
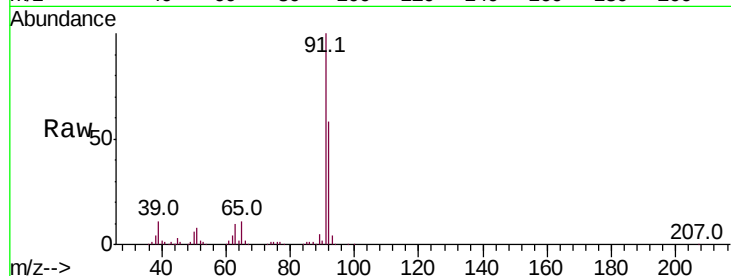
T11-MW-3-8.0-061919MS

Tot Ion: 91 Resp: 280823

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#46

Tetrachloroethene

Concen: 11.157 ug/L

RT: 8.22 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VU032943.D

Acq: 21 Jun 2019 14:29

Tgt Ion: 164 Resp: 13289

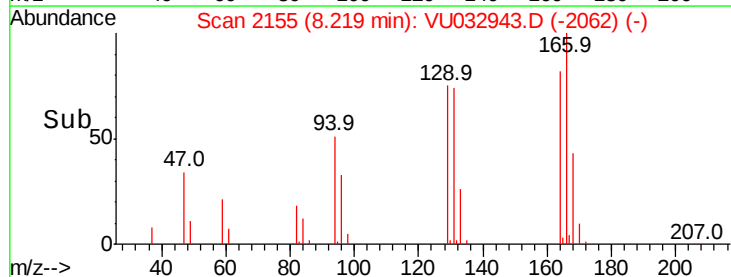
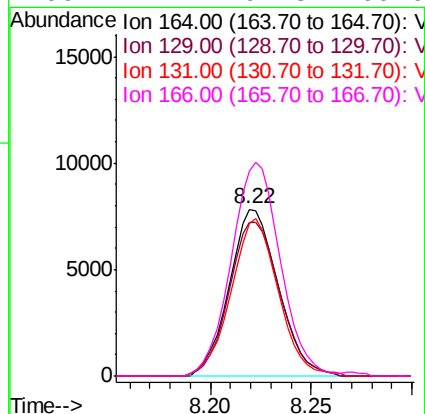
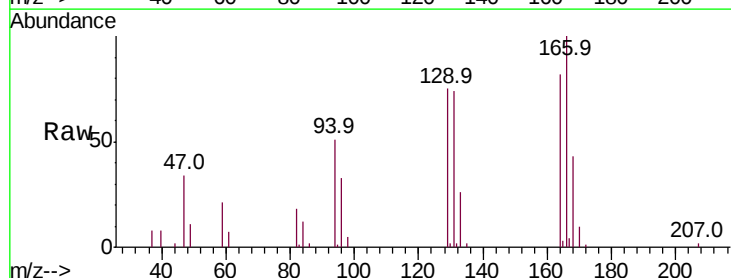
Ion Ratio Lower Upper

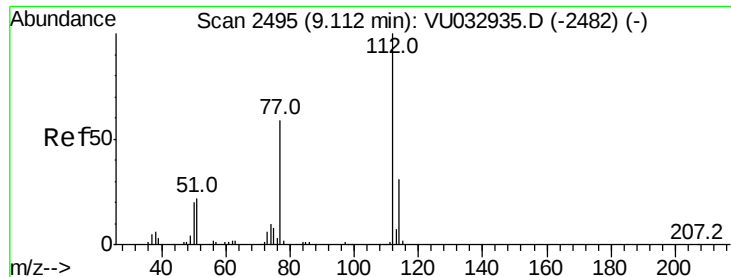
164 100

129 92.2 64.8 120.3

131 90.8 64.5 119.7

166 122.7 91.3 169.6





#51

Chlorobenzene

Concen: 47.268 ug/L

RT: 9.11 min Scan# 2433

Delta R.T. 0.00 min

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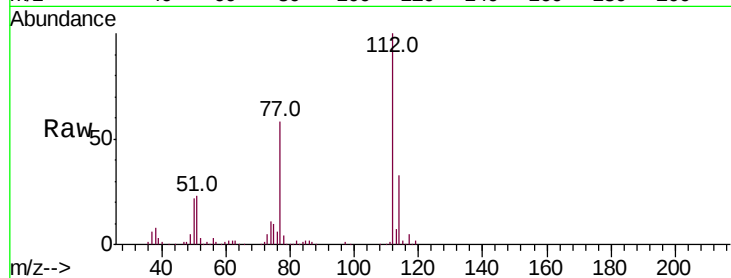
Tot Ion:112 Resp: 183093

Ion Ratio Lower Upper

112 100

114 32.8 22.8 42.4

77 58.4 46.3 69.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VU0

