

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021419\
 Data File : VU029476.D
 Acq On : 14 Feb 2019 23:29
 Operator : JC/SP
 Sample : K1438-15MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXD6MSD

Quant Time: Feb 15 03:45:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Feb 15 01:55:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	193657	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	182542	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	94732	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51053	3.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.40%
7) Chloroethane-d5	1.68	69	49810	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.60%
11) 1,1-Dichloroethene-d2	2.28	63	118312	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.60%
20) 2-Butanone-d5	4.19	46	140038	51.76	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.52%
24) Chloroform-d	4.65	84	87798	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	5.31	65	48067	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.20%
32) Benzene-d6	5.34	84	189918	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.33	67	58709	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.56	98	181868	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.85	79	22418	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.31	63	135121	50.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.30%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	50254	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	80807	4.62	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.40%

Target Compounds

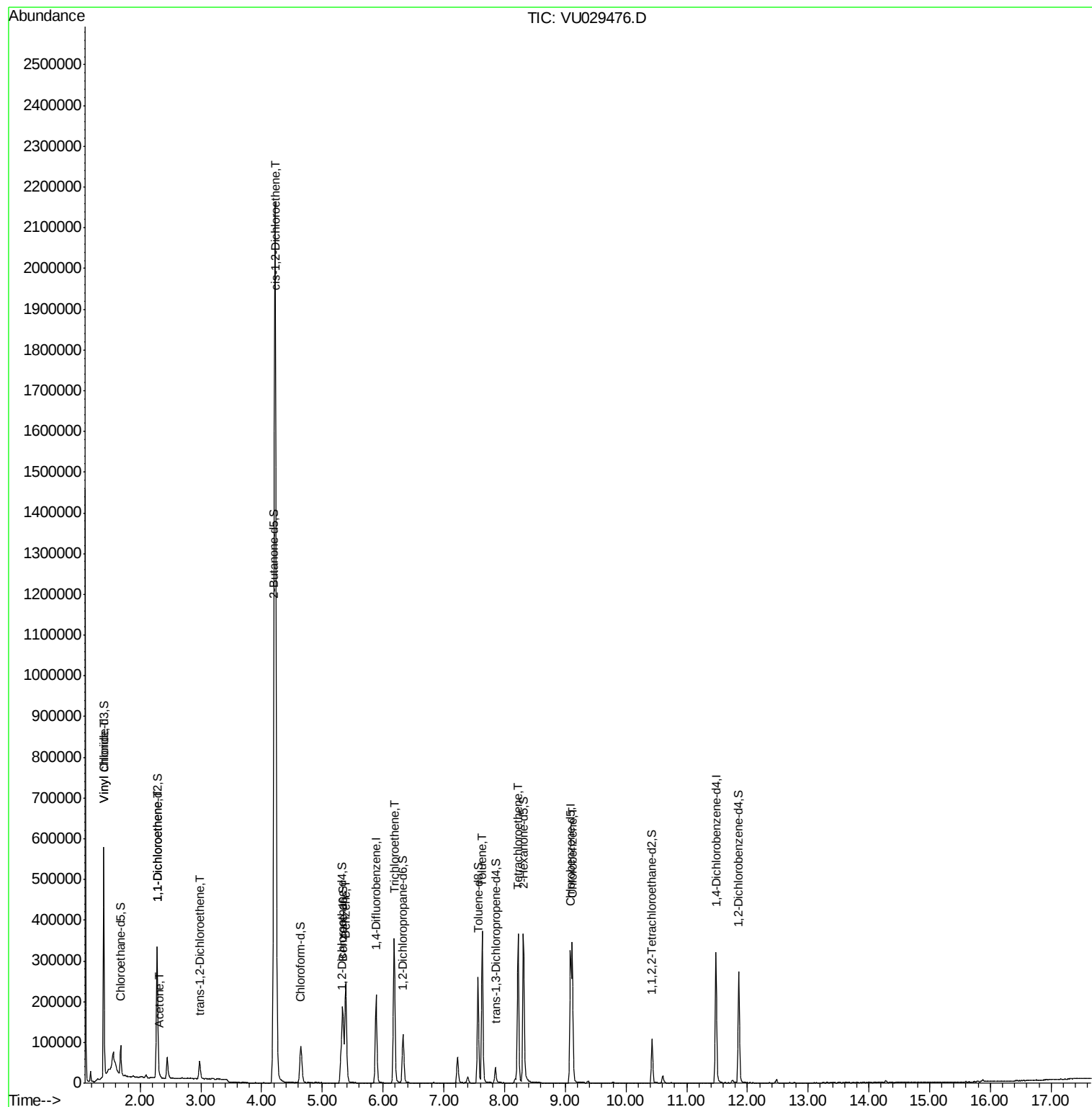
					Qvalue
5) Vinyl chloride	1.40	62	298000	15.978	ug/L 98
12) 1,1-Dichloroethene	2.28	96	77203	4.844	ug/L 94
13) Acetone	2.32	43	5289	2.152	ug/L 86
18) trans-1,2-Dichloroethene	2.98	96	17854	1.051	ug/L 98
22) cis-1,2-Dichloroethene	4.22	96	1266257	81.002	ug/L 100
33) Benzene	5.39	78	247676	4.610	ug/L 100
34) Trichloroethene	6.18	95	118556	7.848	ug/L 97
42) Toluene	7.63	91	279659	4.637	ug/L 99
47) Tetrachloroethene	8.22	164	87396	6.316	ug/L 98
51) Chlorobenzene	9.12	112	188125	4.536	ug/L 99

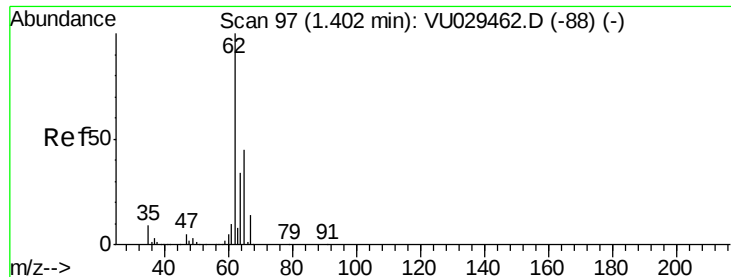
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Feb 15 01:55:09 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 15.978 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

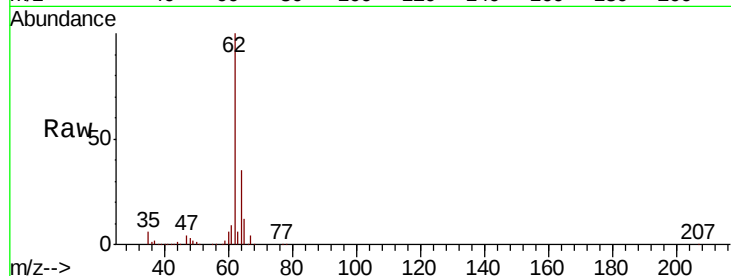
ESXD6MSD

Tgt Ion: 62 Resp: 298000

Ion Ratio Lower Upper

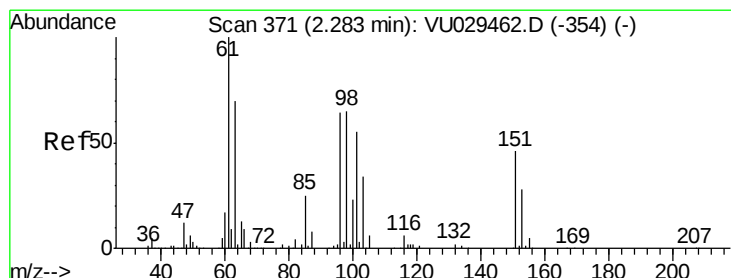
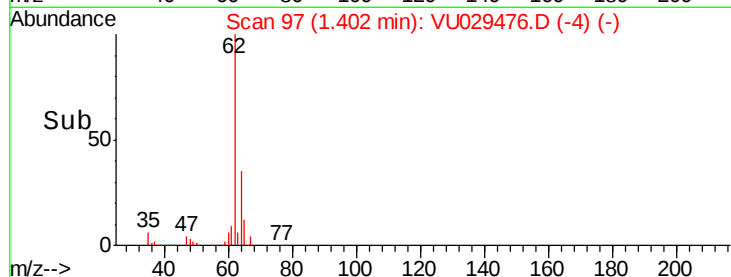
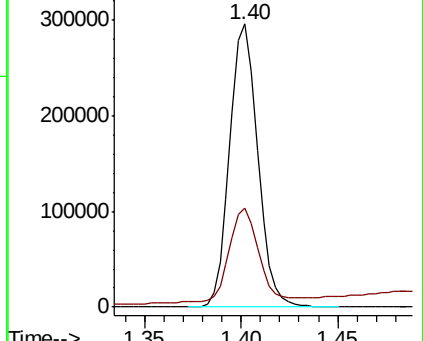
62 100

64 34.8 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#12

1,1-Dichloroethene

Concen: 4.844 ug/L

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

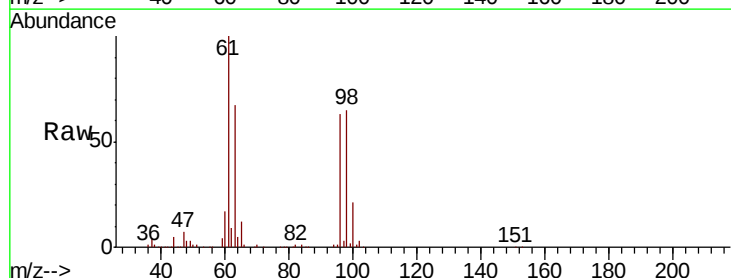
Tgt Ion: 96 Resp: 77203

Ion Ratio Lower Upper

96 100

61 159.8 115.1 213.7

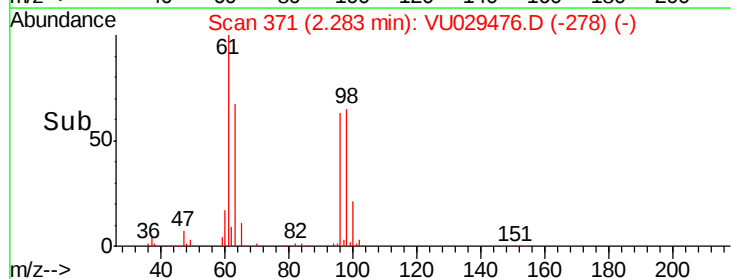
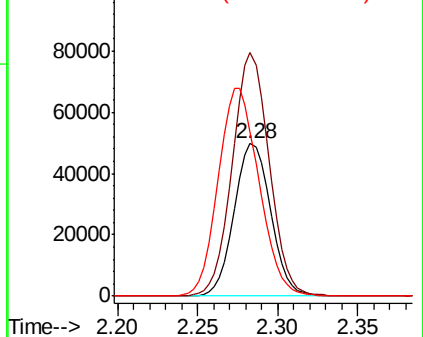
63 107.6 83.5 155.1

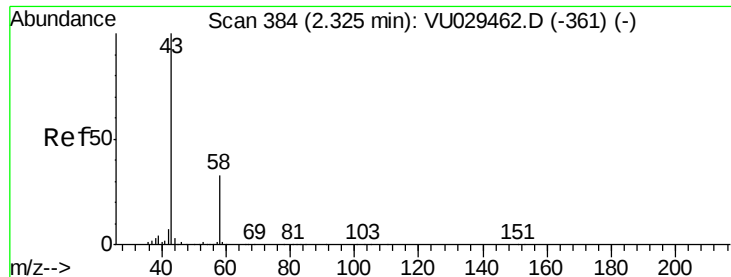


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.152 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

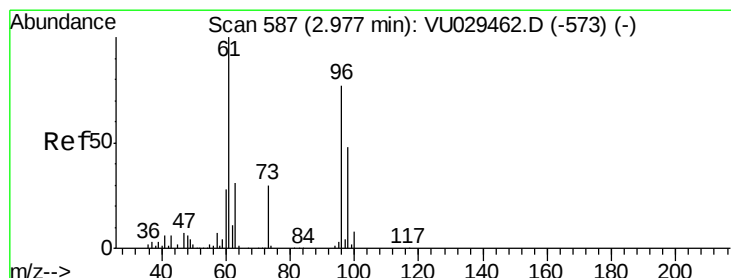
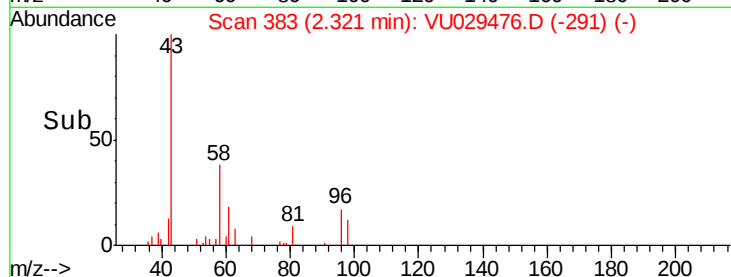
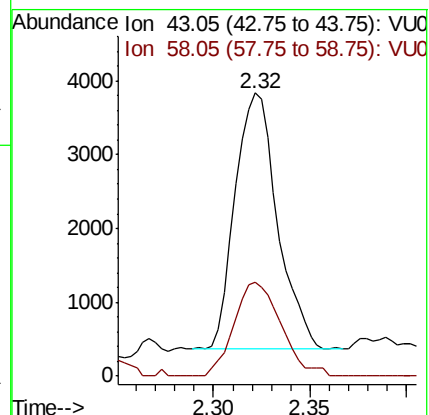
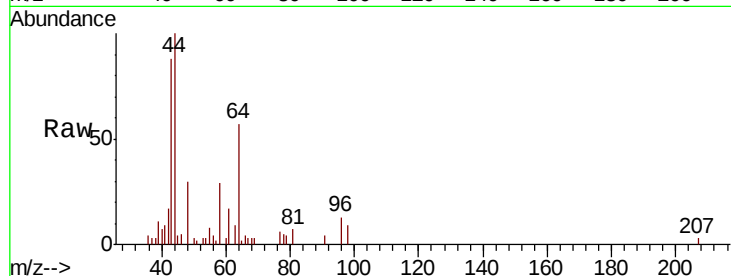
ESXD6MSD

Tgt Ion: 43 Resp: 5289

Ion Ratio Lower Upper

43 100

58 40.5 0.0 65.0



#18

trans-1,2-Dichloroethene

Concen: 1.051 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

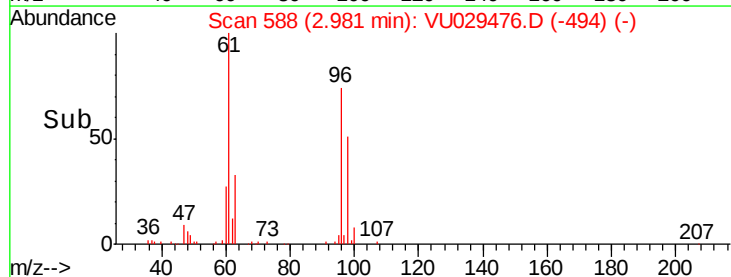
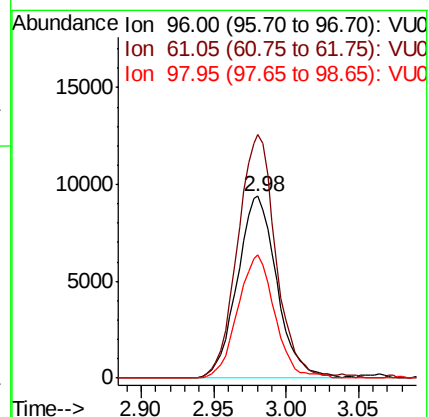
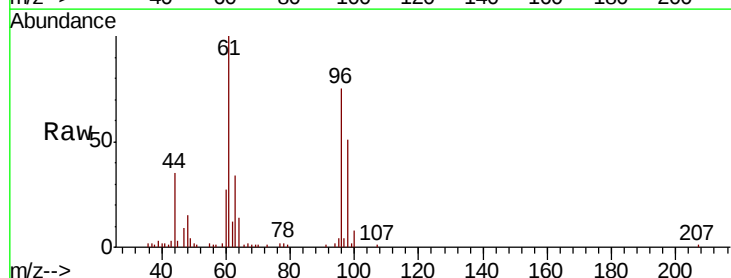
Tgt Ion: 96 Resp: 17854

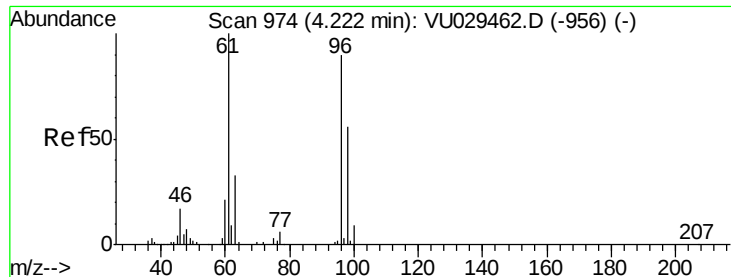
Ion Ratio Lower Upper

96 100

61 133.8 95.4 177.2

98 67.7 45.8 85.2



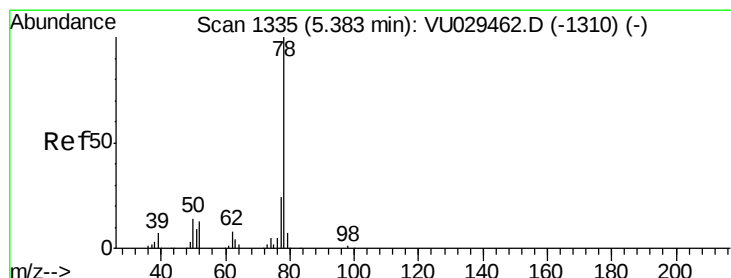
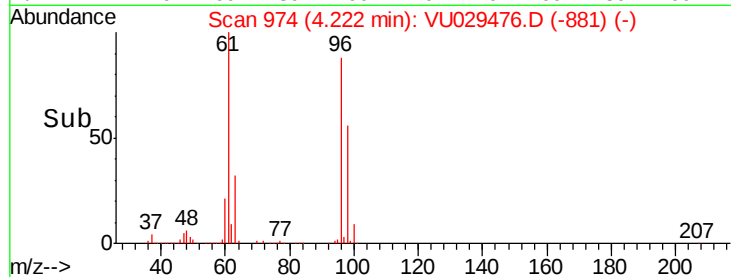
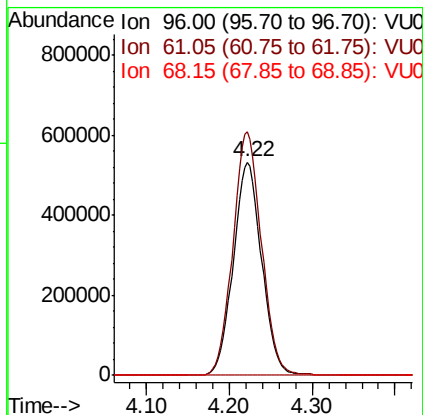
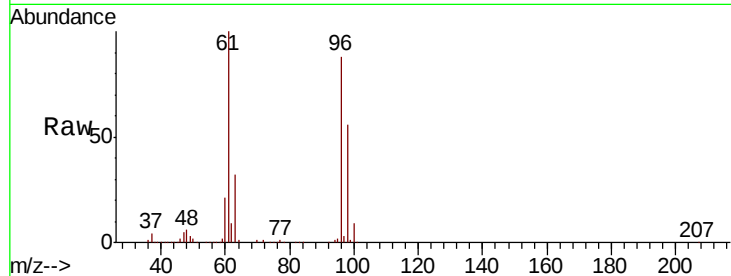


#22

cis-1,2-Dichloroethene
 Concen: 81.002 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU029476.D
 Acq: 14 Feb 2019 23:29

Instrument :
 MSVOA_U
 ClientSampleId :
 ESXD6MSD

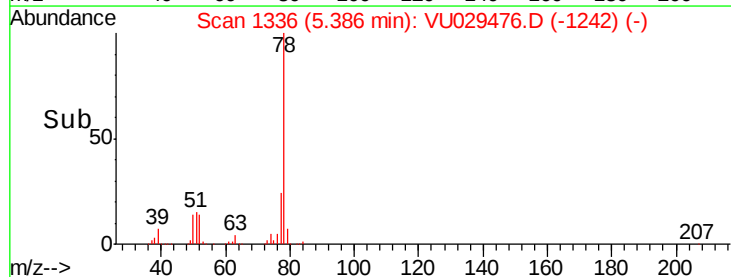
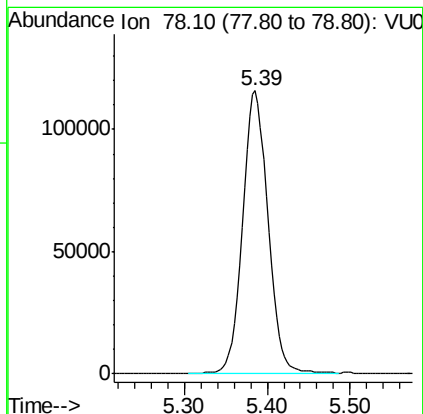
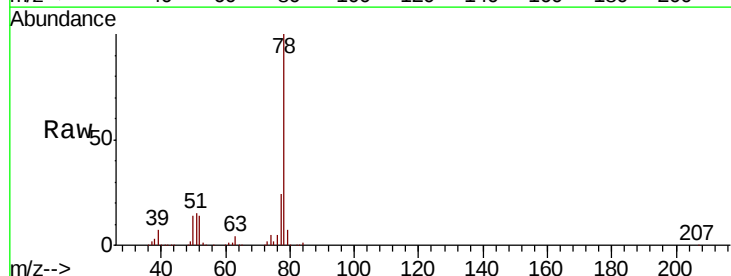
Tgt Ion: 96 Resp: 1266257
 Ion Ratio Lower Upper
 96 100
 61 114.2 79.9 148.5
 68 0.0 0.0 0.0

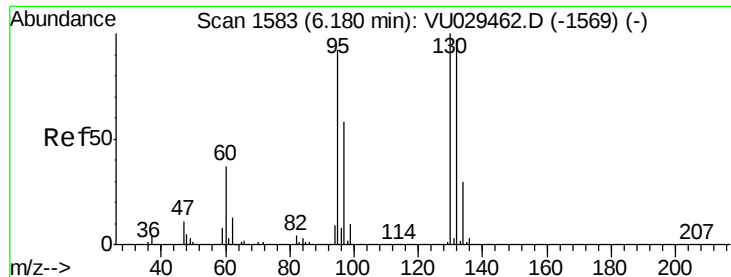


#33

Benzene
 Concen: 4.610 ug/L
 RT: 5.39 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU029476.D
 Acq: 14 Feb 2019 23:29

Tgt Ion: 78 Resp: 247676





#34

Trichloroethene

Concen: 7.848 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU029476.D

Acq: 14 Feb 2019 23:29

Instrument :

MSVOA_U

ClientSampleId :

ESXD6MSD

Tgt Ion: 95 Resp: 118556

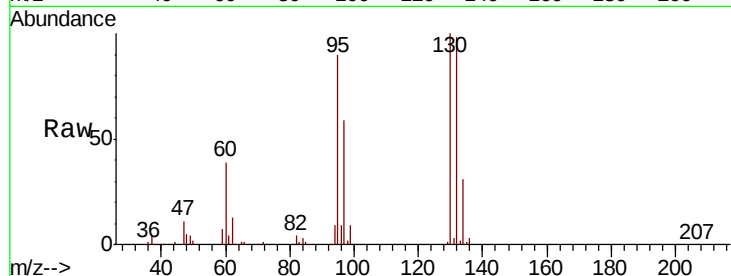
Ion Ratio Lower Upper

95 100

97 66.0 46.3 86.1

132 109.9 72.9 135.3

130 111.6 79.2 147.0

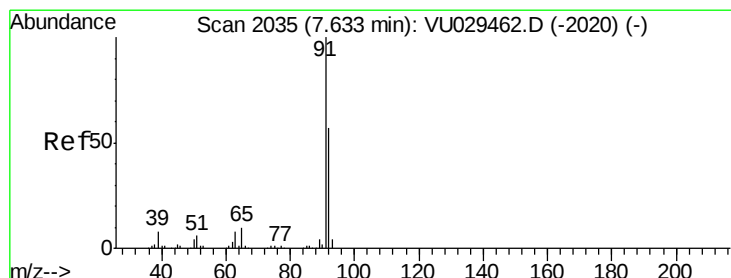
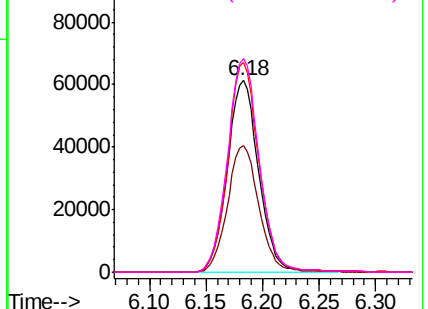
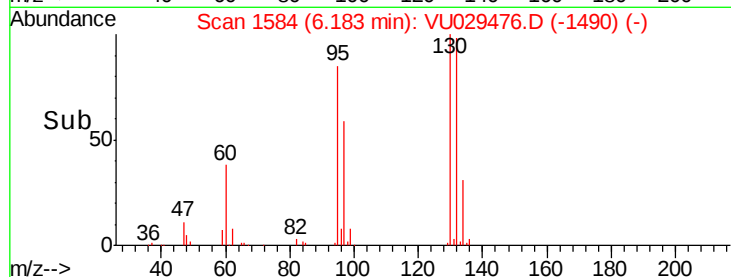


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 4.637 ug/L

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029476.D

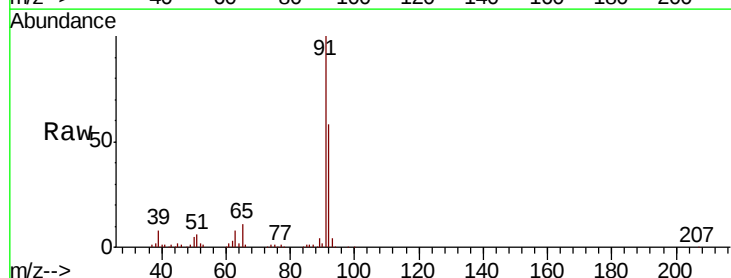
Acq: 14 Feb 2019 23:29

Tgt Ion: 91 Resp: 279659

Ion Ratio Lower Upper

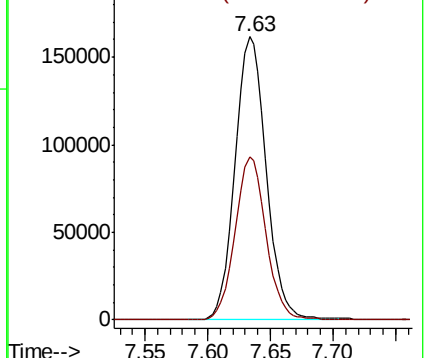
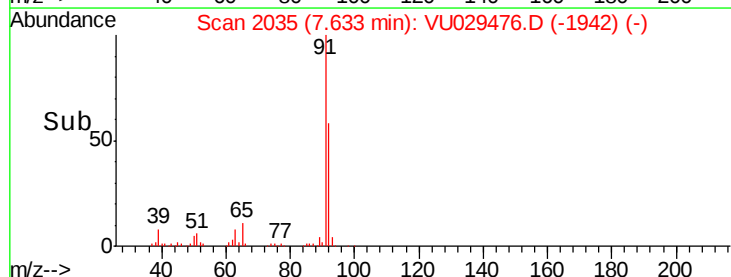
91 100

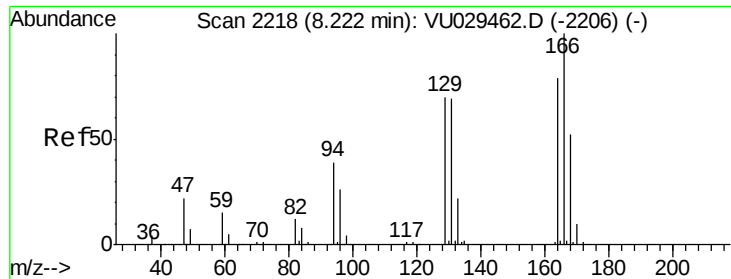
92 57.6 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

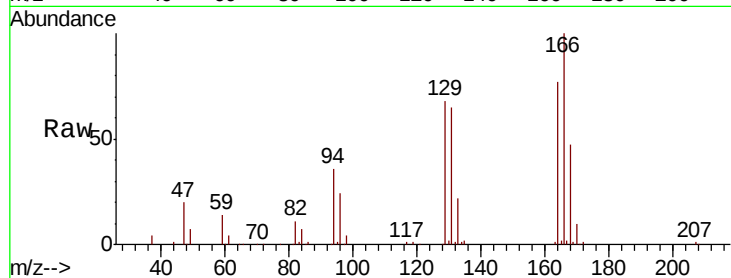




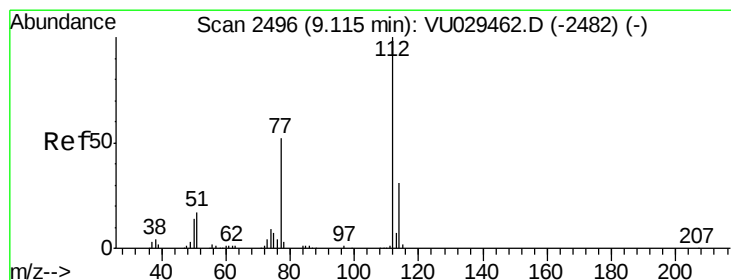
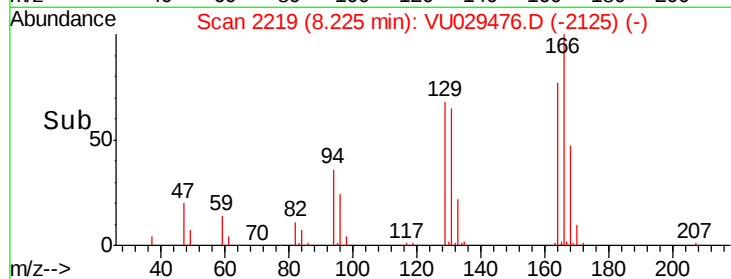
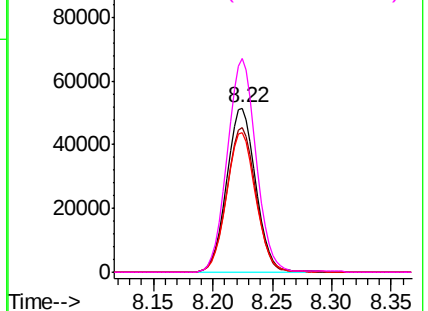
#47
Tetrachloroethene
Concen: 6.316 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029476.D
Acq: 14 Feb 2019 23:29

Instrument :
MSVOA_U
ClientSampleId :
ESXD6MSD

Tgt Ion:	164	Resp:	87396
Ion	Ratio	Lower	Upper
164	100		
129	88.3	62.9	116.9
131	85.1	62.1	115.3
166	130.1	89.8	166.8

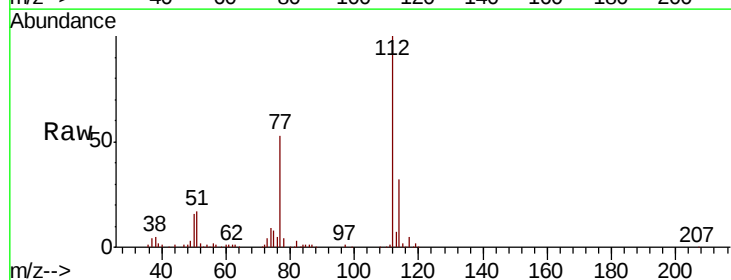


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V



#51
Chlorobenzene
Concen: 4.536 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029476.D
Acq: 14 Feb 2019 23:29

Tgt Ion:	112	Resp:	188125
Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.9	42.5
77	52.6	41.8	62.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

