

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU022819\
 Data File : VU029741.D
 Acq On : 28 Feb 2019 16:28
 Operator : JC/SP
 Sample : K1577-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CWJX9

Quant Time: Mar 05 01:58:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Mar 01 00:18:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	245458	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	237756	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	124663	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	69949	4.36	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.20%
7) Chloroethane-d5	1.68	69	69075	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.27	63	112957	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.22	46	242680	66.96	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	133.92%#
24) Chloroform-d	4.65	84	120318	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	5.31	65	79998	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.34	84	316671	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.33	67	99012	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.60%
41) Toluene-d8	7.56	98	279944	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.85	79	36564	5.01	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.20%
46) 2-Hexanone-d5	8.31	63	226804	63.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	126.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	88899	5.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	111.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	125801	5.13	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.60%

Target Compounds

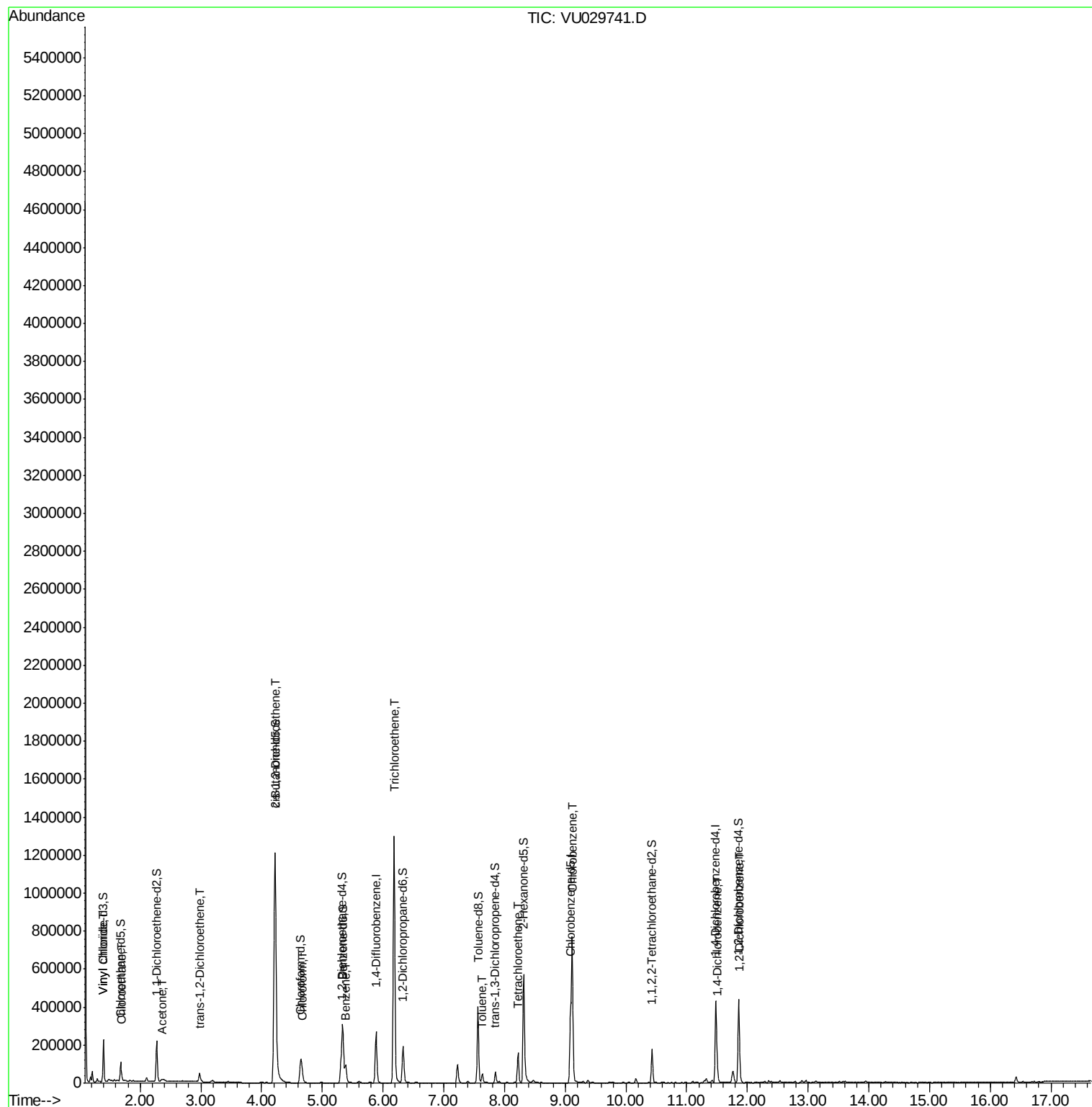
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	82536	3.943	ug/L	98
8) Chloroethane	1.70	64	7902	0.583	ug/L	88
13) Acetone	2.37	43	33961	13.043	ug/L	93
18) trans-1,2-Dichloroethene	2.98	96	17610	0.889	ug/L	99
22) cis-1,2-Dichloroethene	4.22	96	679748	37.456	ug/L	93
25) Chloroform	4.67	83	33553	1.086	ug/L	98
33) Benzene	5.39	78	95963	1.527	ug/L	100
34) Trichloroethene	6.18	95	457442	26.079	ug/L	98
42) Toluene	7.64	91	39915	0.560	ug/L	99
47) Tetrachloroethene	8.22	164	38674	2.374	ug/L	96
51) Chlorobenzene	9.12	112	436719	8.920	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	32896	0.820	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	12655	0.331	ug/L	95

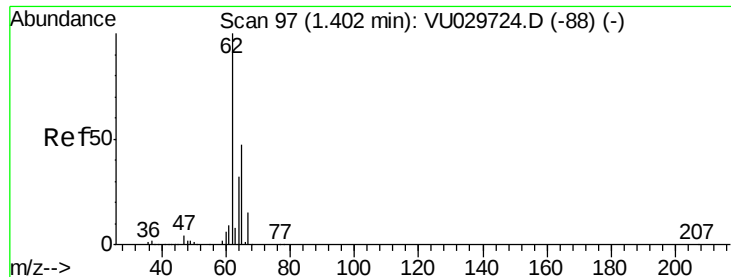
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.943 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU029741.D

Acq: 28 Feb 2019 16:28

Instrument :

MSVOA_U

ClientSampled :

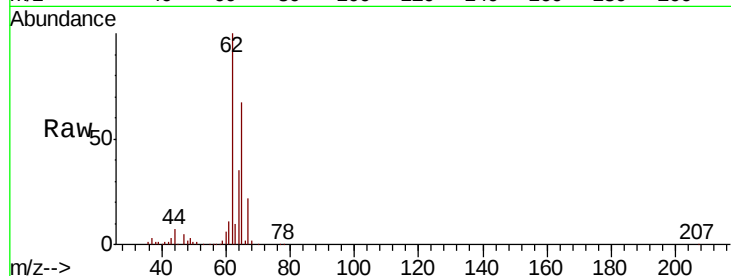
CWJX9

Tot Ion: 62 Resp: 82536

Ion Ratio Lower Upper

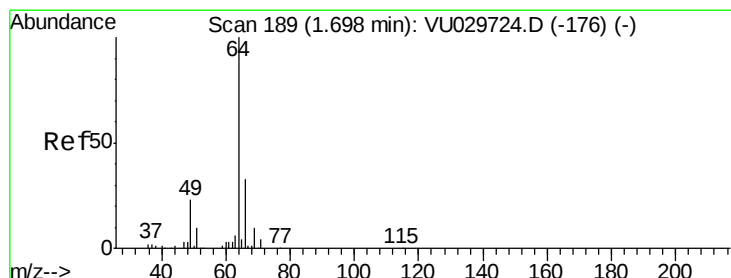
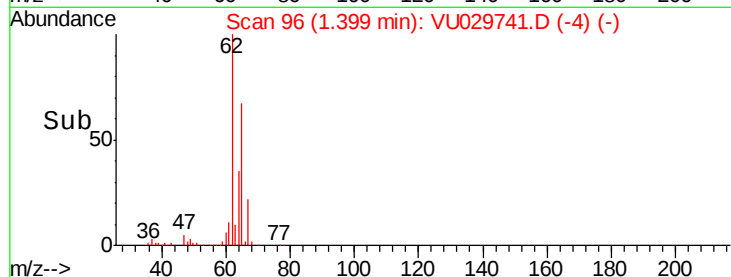
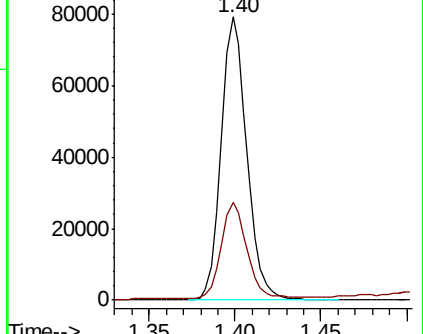
62 100

64 34.5 24.8 46.1



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#8

Chloroethane

Concen: 0.583 ug/L

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029741.D

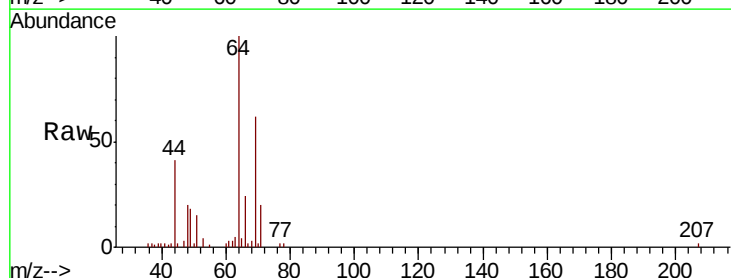
Acq: 28 Feb 2019 16:28

Tgt Ion: 64 Resp: 7902

Ion Ratio Lower Upper

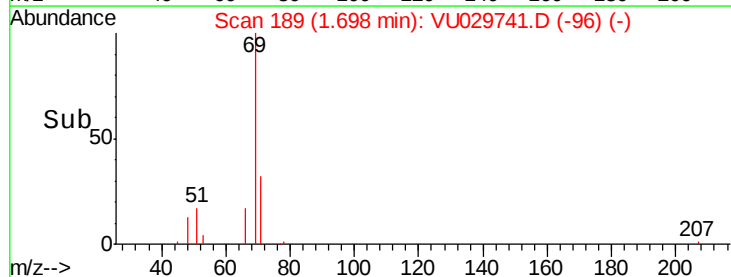
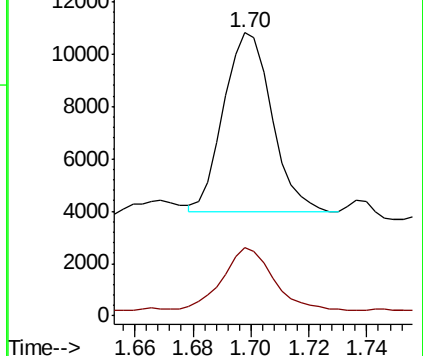
64 100

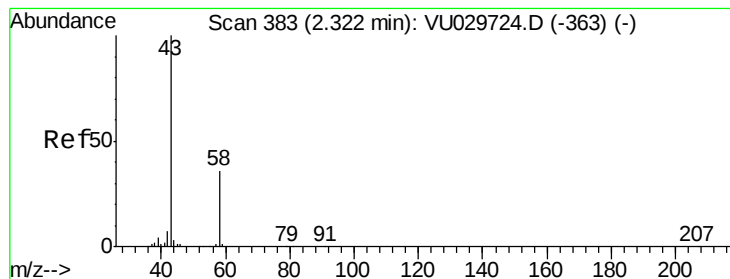
66 24.2 21.4 39.8



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 13.043 ug/L

RT: 2.37 min Scan# 397

Delta R.T. 0.05 min

Lab File: VU029741.D

Acq: 28 Feb 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

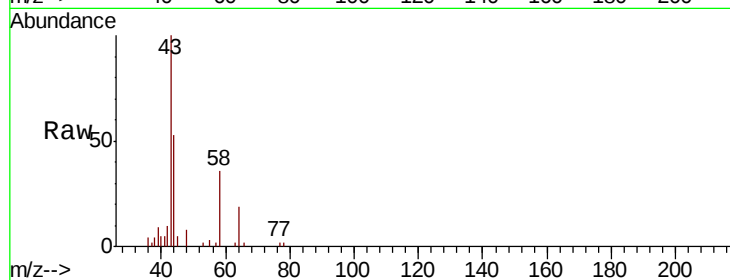
CWJX9

Tot Ion: 43 Resp: 33961

Ion Ratio Lower Upper

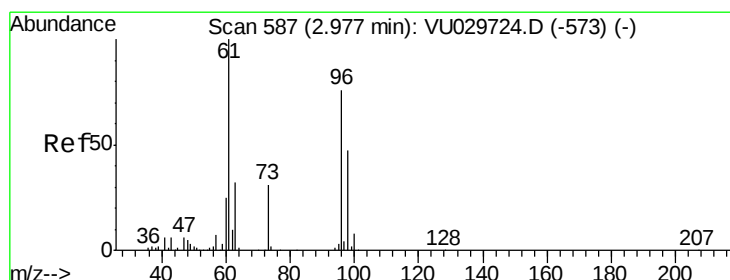
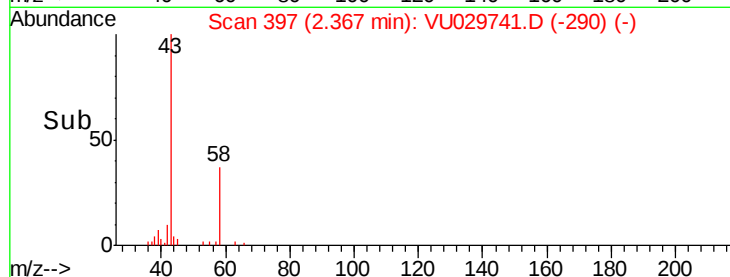
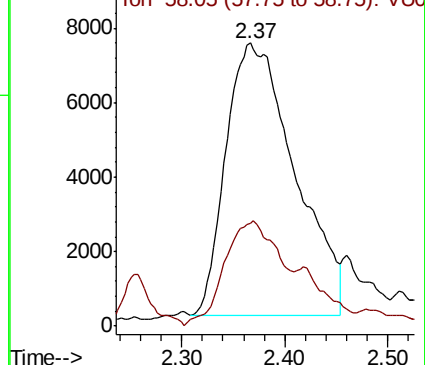
43 100

58 30.8 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.889 ug/L

RT: 2.98 min Scan# 587

Delta R.T. 0.00 min

Lab File: VU029741.D

Acq: 28 Feb 2019 16:28

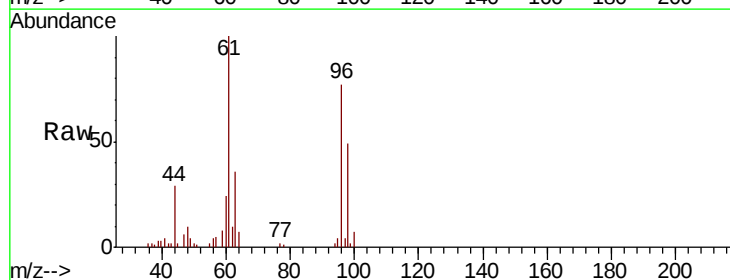
Tgt Ion: 96 Resp: 17610

Ion Ratio Lower Upper

96 100

61 129.8 90.3 167.7

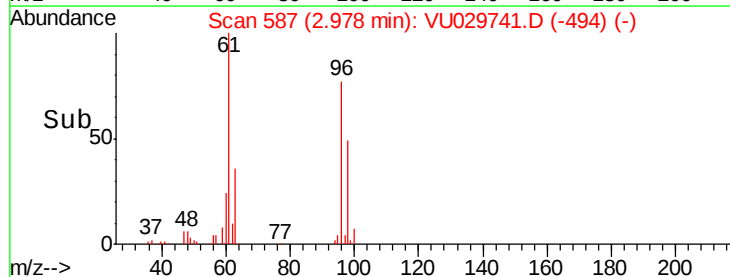
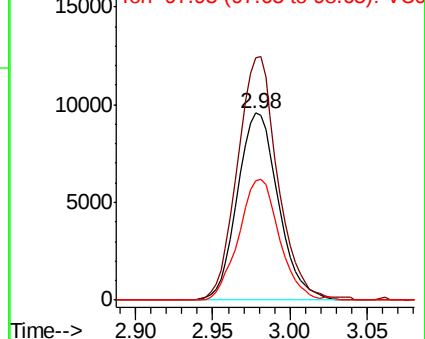
98 64.0 45.2 84.0

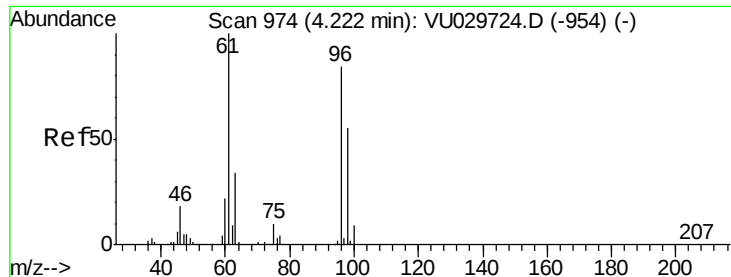


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



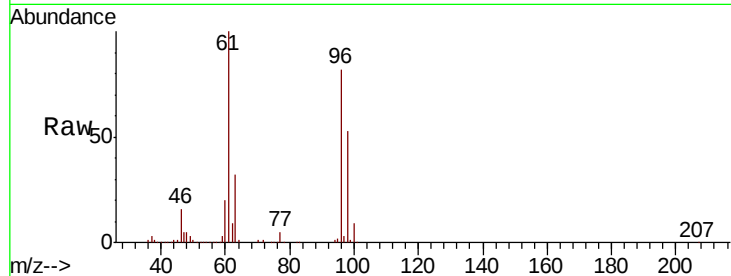


#22

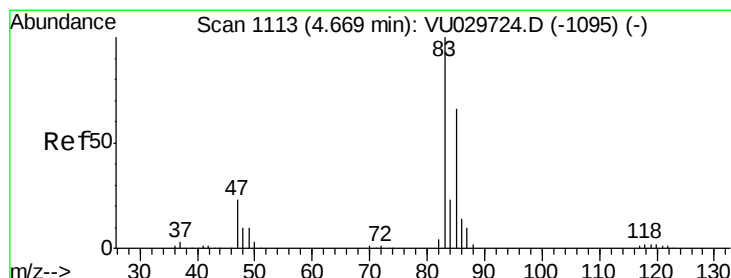
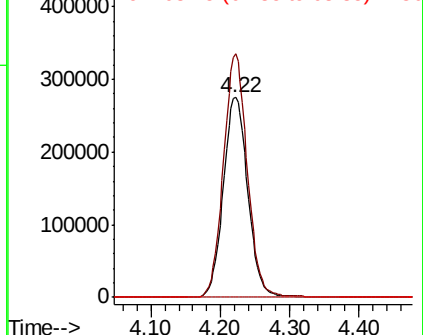
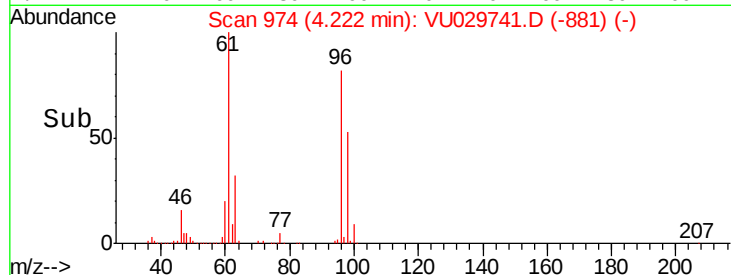
cis-1,2-Dichloroethene
 Concen: 37.456 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029741.D
 Acq: 28 Feb 2019 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 CWJX9

Tot Ion: 96 Resp: 679748
 Ion Ratio Lower Upper
 96 100
 61 121.7 80.2 149.0
 68 0.0 0.0 0.0



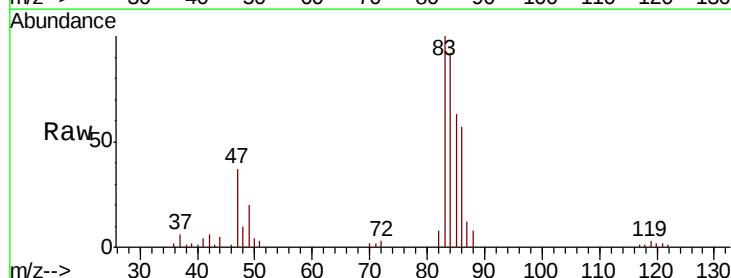
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



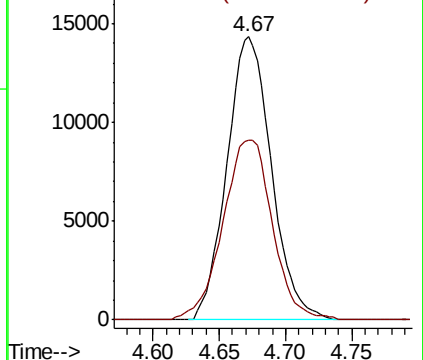
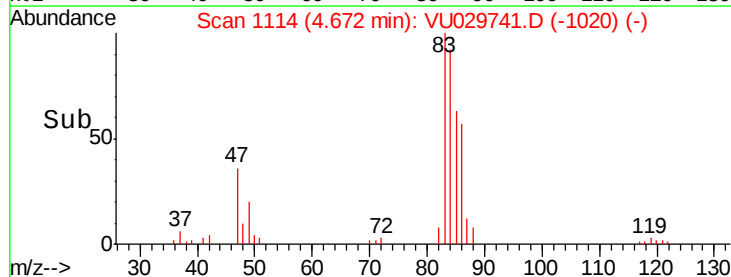
#25

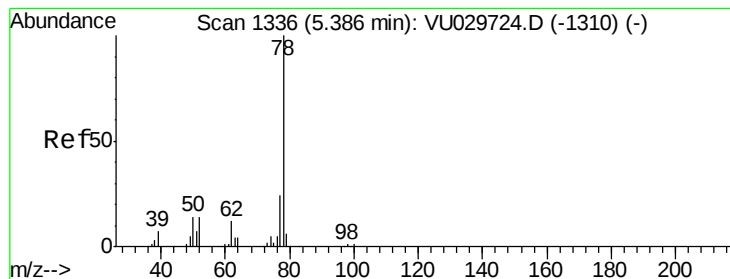
Chloroform
 Concen: 1.086 ug/L
 RT: 4.67 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VU029741.D
 Acq: 28 Feb 2019 16:28

Tgt Ion: 83 Resp: 33553
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.6 84.6



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 1.527 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029741.D

Acq: 28 Feb 2019 16:28

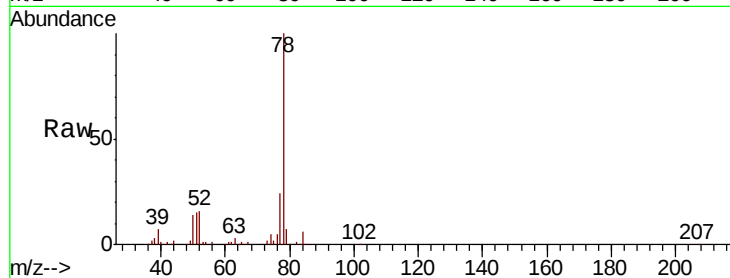
Instrument :

MSVOA_U

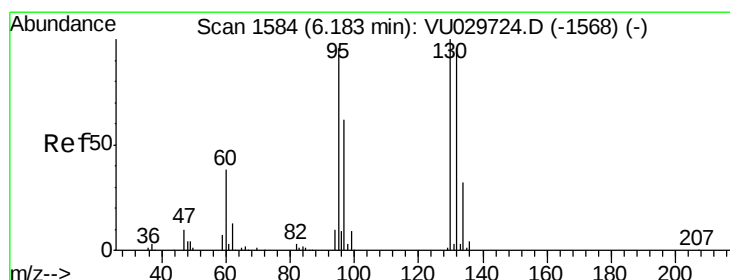
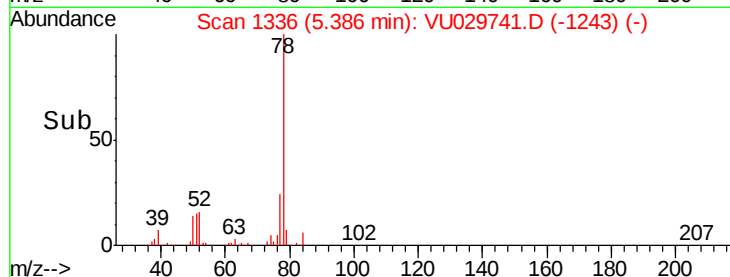
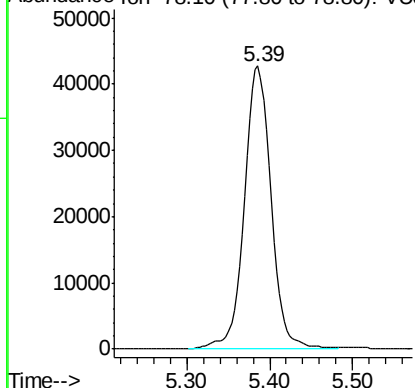
ClientSampleId :

CWJX9

Tgt Ion: 78 Resp: 95963



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 26.079 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029741.D

Acq: 28 Feb 2019 16:28

Tgt Ion: 95 Resp: 457442

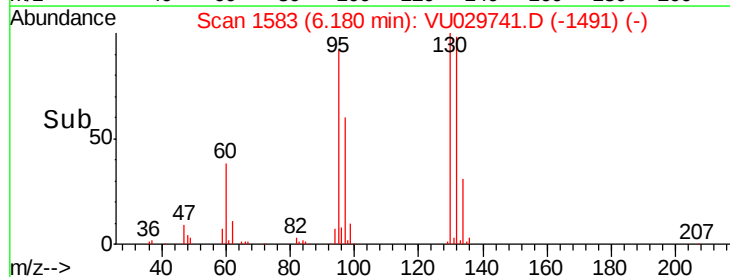
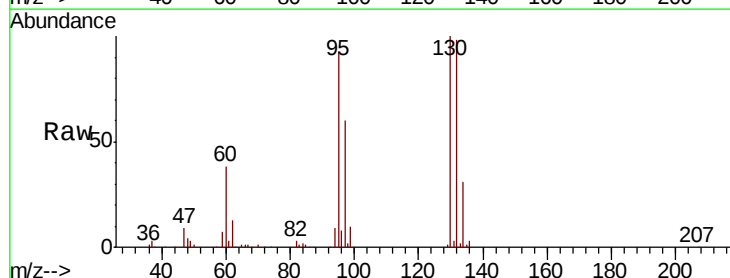
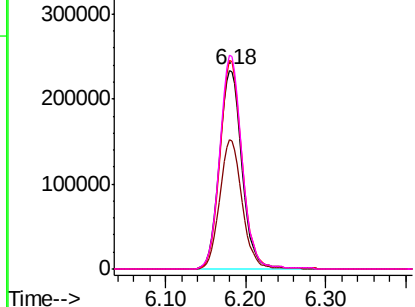
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.8
132	105.0	72.9	135.3
130	107.6	77.5	143.9

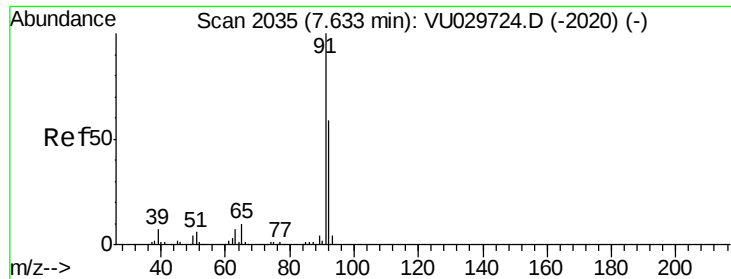
Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 0.560 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VU029741.D

Acq: 28 Feb 2019 16:28

Instrument :

MSVOA_U

ClientSampleId :

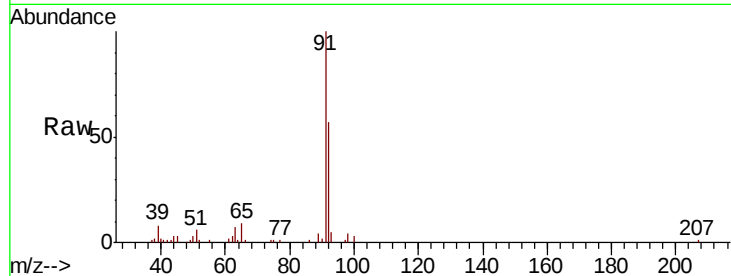
CWJX9

Tot Ion: 91 Resp: 39915

Ion Ratio Lower Upper

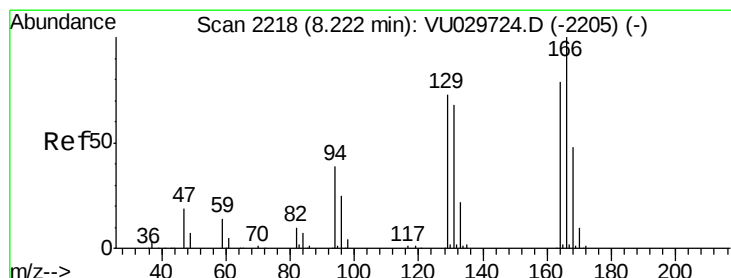
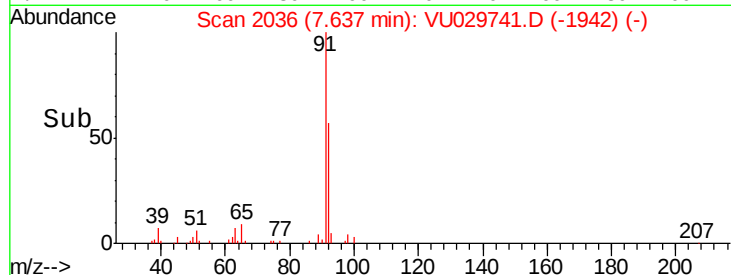
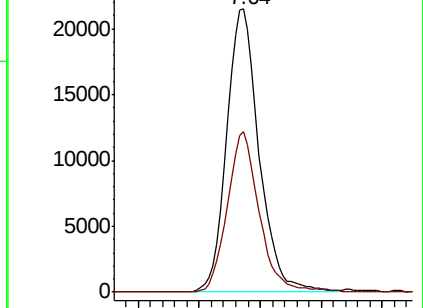
91 100

92 56.6 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VU029724.D (-2020) (-)

Ion 92.15 (91.85 to 92.85): VU029724.D (-2020) (-)



#47

Tetrachloroethene

Concen: 2.374 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. 0.00 min

Lab File: VU029741.D

Acq: 28 Feb 2019 16:28

Tgt Ion:164 Resp: 38674

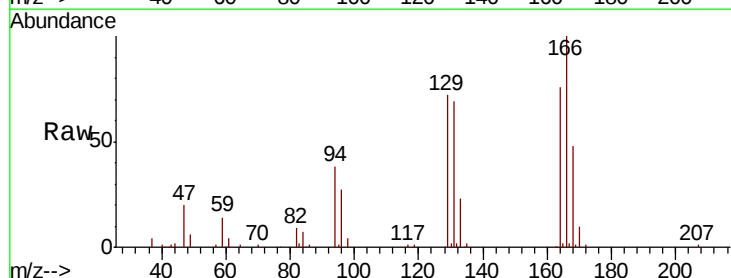
Ion Ratio Lower Upper

164 100

129 95.0 62.9 116.7

131 90.3 61.8 114.8

166 131.1 88.8 164.8

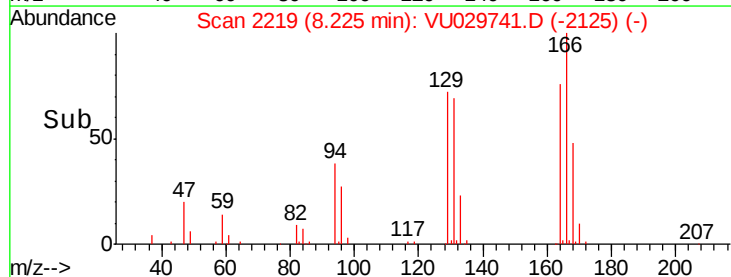
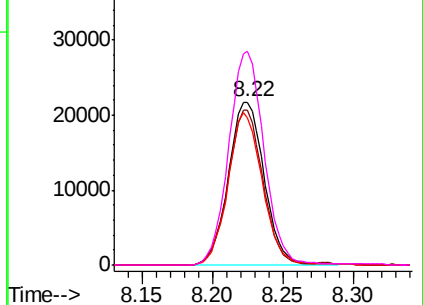


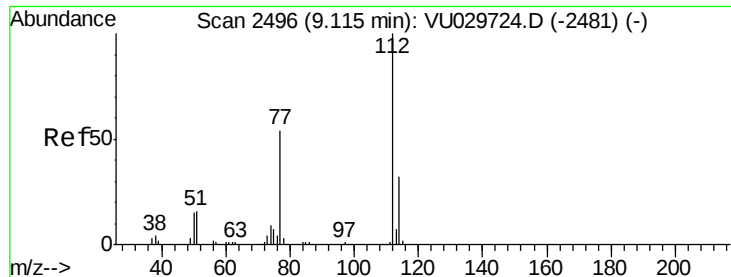
Abundance Ion 163.90 (163.60 to 164.60): VU029724.D (-2205) (-)

Ion 128.95 (128.65 to 129.65): VU029724.D (-2205) (-)

Ion 130.95 (130.65 to 131.65): VU029724.D (-2205) (-)

Ion 165.90 (165.60 to 166.60): VU029724.D (-2205) (-)

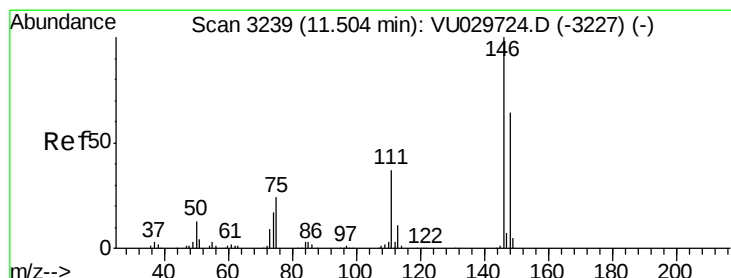
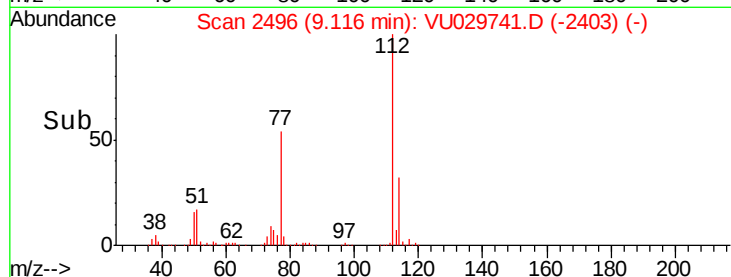
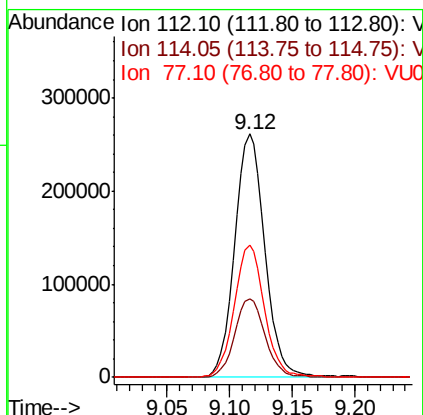
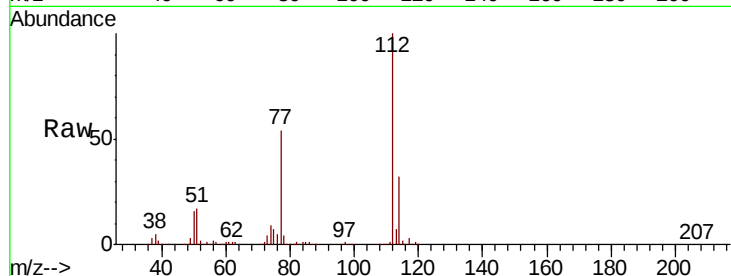




#51
Chlorobenzene
Concen: 8.920 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

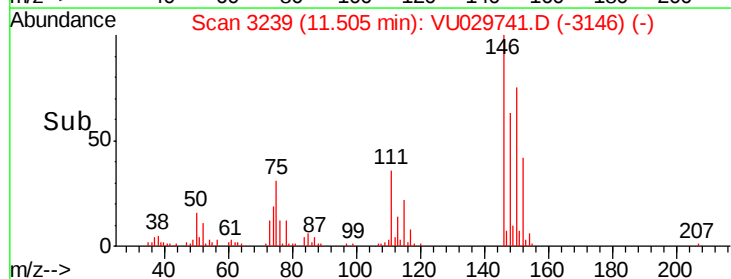
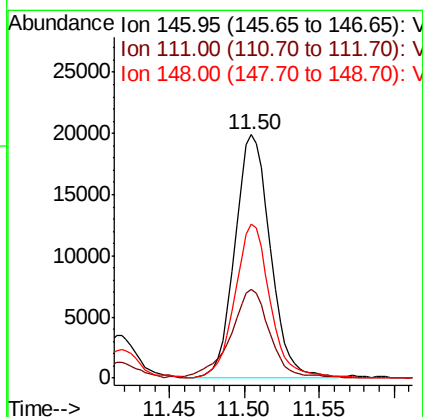
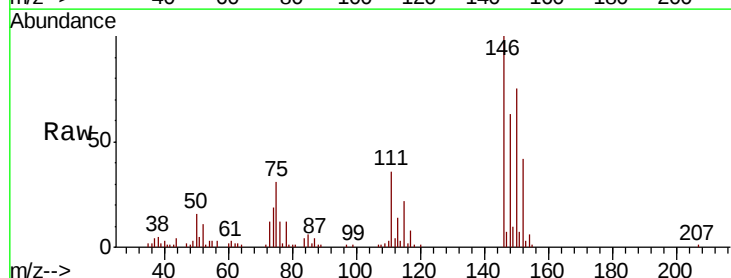
Instrument :
MSVOA_U
ClientSampleId :
CWJX9

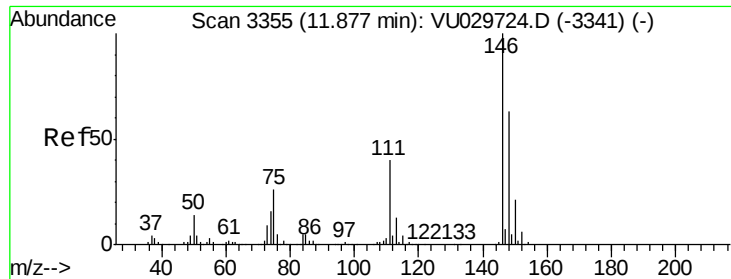
Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.3
77	54.4	42.7	64.1



#63
1,4-Dichlorobenzene
Concen: 0.820 ug/L
RT: 11.50 min Scan# 3239
Delta R.T. 0.00 min
Lab File: VU029741.D
Acq: 28 Feb 2019 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	25.4	47.2
148	63.5	43.7	81.1





#65
 1,2-Dichlorobenzene
 Concen: 0.331 ug/L
 RT: 11.87 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VU029741.D
 Acq: 28 Feb 2019 16:28

Instrument :
 MSVOA_U
 ClientSampleId :
 CWJX9

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	32.2	48.2
148	59.7	52.2	78.4

