

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU042919\
 Data File : VU031591.D
 Acq On : 29 Apr 2019 17:05
 Operator : JC/SP
 Sample : K2592-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X81

Quant Time: Apr 30 01:59:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 30 01:54:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	642822	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	651062	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	237816	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	280529	52.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.28%
7) Chloroethane-d5	1.68	69	227294	54.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.34%
11) 1,1-Dichloroethene-d2	2.27	63	419993	39.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.40%
21) 2-Butanone-d5	4.19	46	567638	116.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.45%
24) Chloroform-d	4.64	84	516265	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.80%
26) 1,2-Dichloroethane-d4	5.31	65	357453	55.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.06%
32) Benzene-d6	5.34	84	1003704	50.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.32	67	361171	51.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.70%
41) Toluene-d8	7.56	98	810960	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%
43) trans-1,3-Dichloropropene-	7.85	79	143488	47.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.04%
47) 2-Hexanone-d5	8.31	63	320927	105.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.41%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	469685	49.76	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.52%
64) 1,2-Dichlorobenzene-d4	11.85	152	266322	53.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.50%

Target Compounds

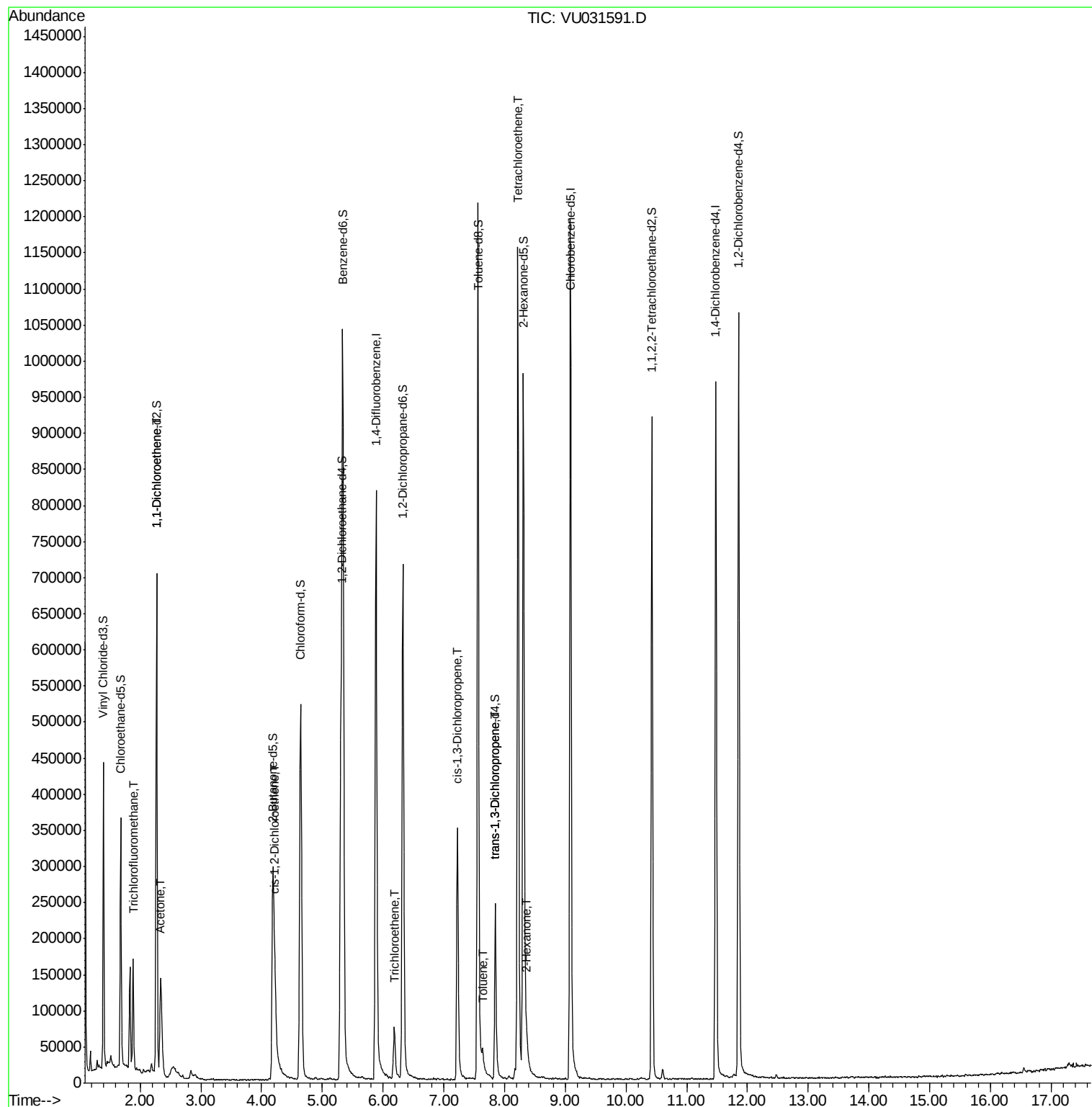
					Qvalue
9) Trichlorofluoromethane	1.88	101	85668	9.398 ug/L	99
12) 1,1-Dichloroethene	2.27	96	3038	0.606 ug/L #	1
13) Acetone	2.34	43	210099	38.264 ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	27212	4.854 ug/L	91
34) Trichloroethene	6.19	95	23368	4.027 ug/L	93
39) cis-1,3-Dichloropropene	7.22	75	8506	0.947 ug/L #	75
42) Toluene	7.64	91	17407	0.730 ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	5606	0.688 ug/L	87
46) Tetrachloroethene	8.22	164	249135	62.981 ug/L	97
48) 2-Hexanone	8.37	43	21641	2.559 ug/L #	40

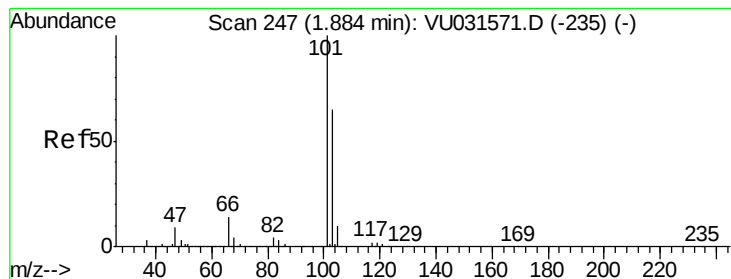
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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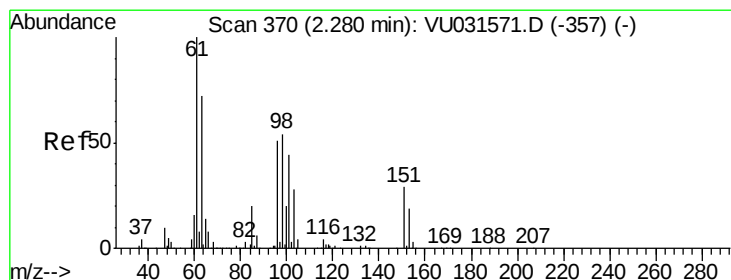
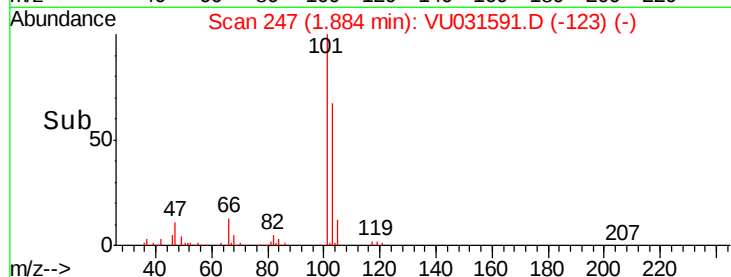
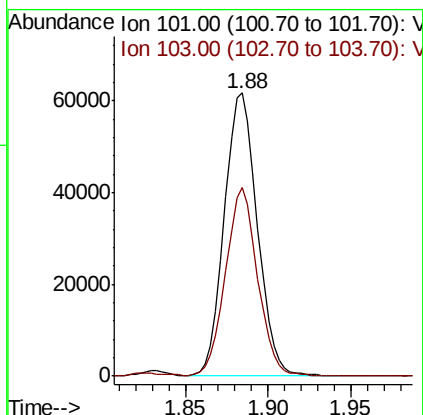
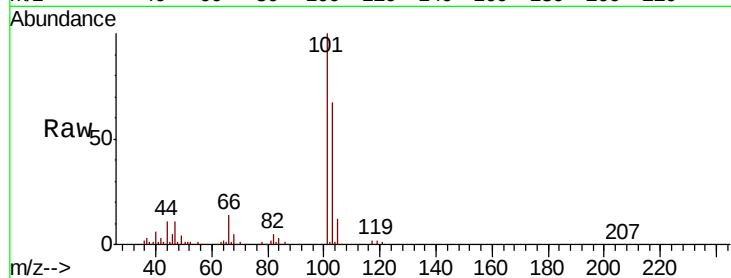


#9

Trichlorofluoromethane
 Concen: 9.398 ug/L
 RT: 1.88 min Scan# 247
 Delta R.T. 0.00 min
 Lab File: VU031591.D
 Acq: 29 Apr 2019 17:05

Instrument :
 MSVOA_U
 ClientSampleId :
 C0X81

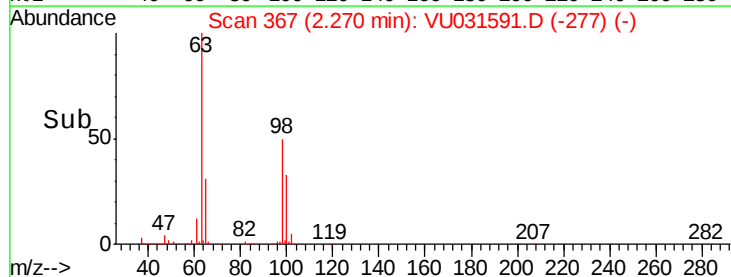
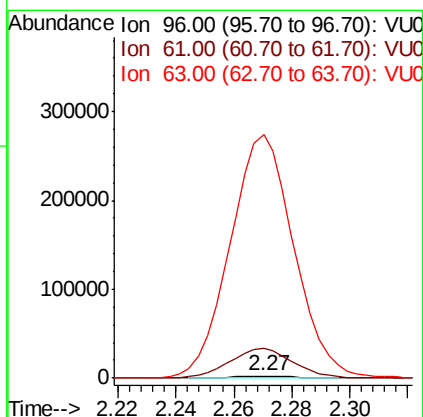
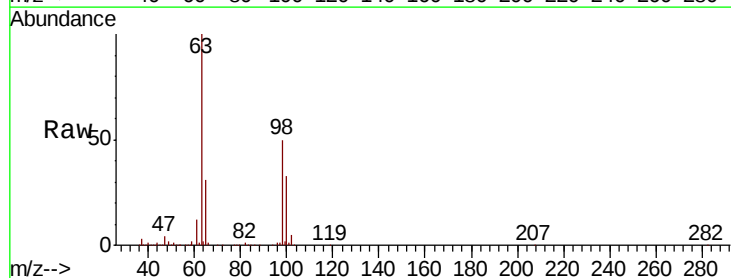
Tgt Ion: 101 Resp: 85668
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.8 76.2

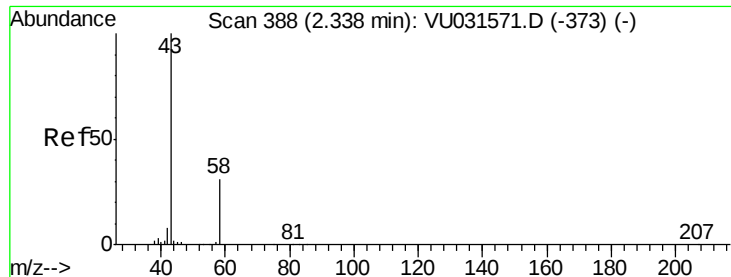


#12

1,1-Dichloroethene
 Concen: 0.606 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031591.D
 Acq: 29 Apr 2019 17:05

Tgt Ion: 96 Resp: 3038
 Ion Ratio Lower Upper
 96 100
 61 1557.4 135.0 250.6#
 63 12908.5 103.5 192.3#





#13

Acetone

Concen: 38.264 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU031591.D

Acq: 29 Apr 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

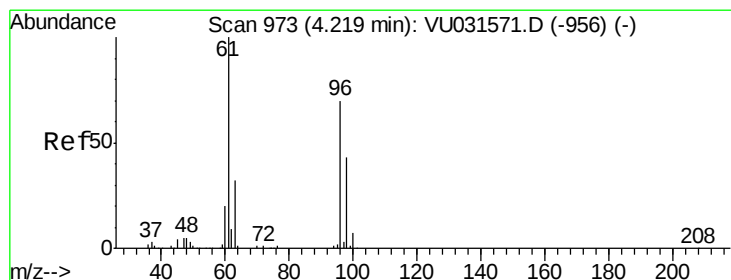
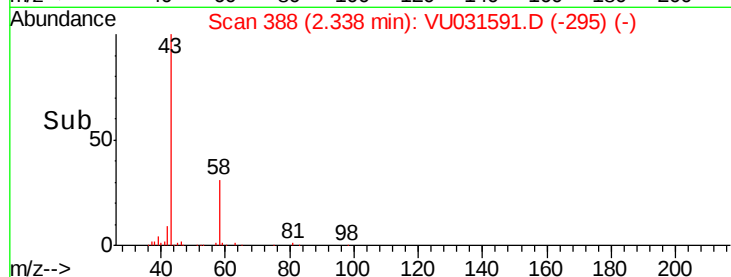
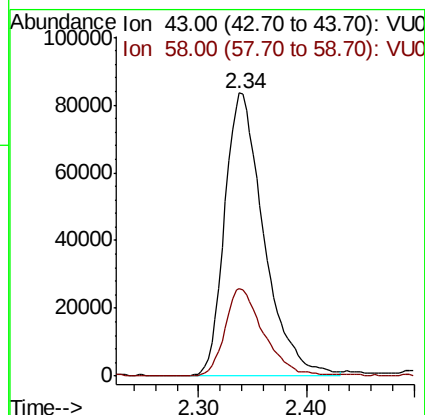
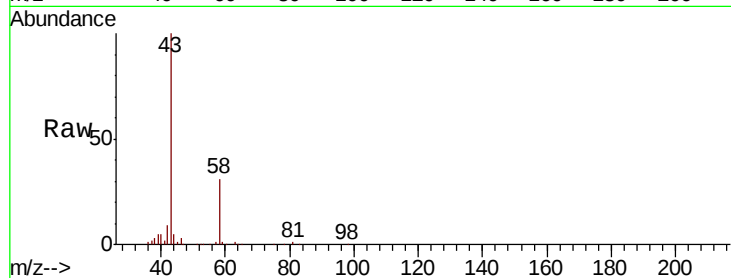
C0X81

Tgt Ion: 43 Resp: 210099

Ion Ratio Lower Upper

43 100

58 30.7 0.0 64.4



#20

cis-1,2-Dichloroethene

Concen: 4.854 ug/L

RT: 4.22 min Scan# 974

Delta R.T. 0.00 min

Lab File: VU031591.D

Acq: 29 Apr 2019 17:05

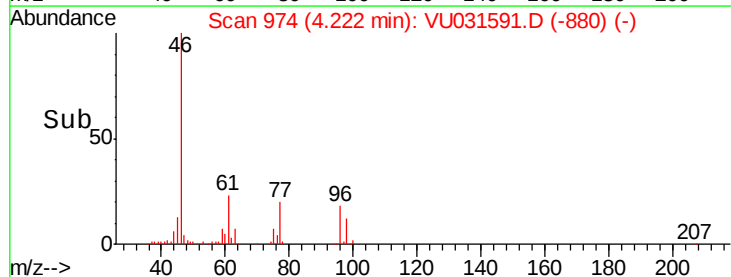
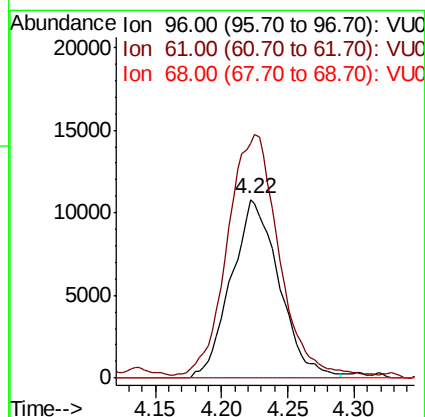
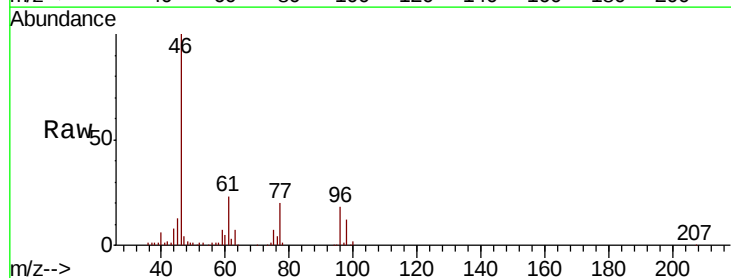
Tgt Ion: 96 Resp: 27212

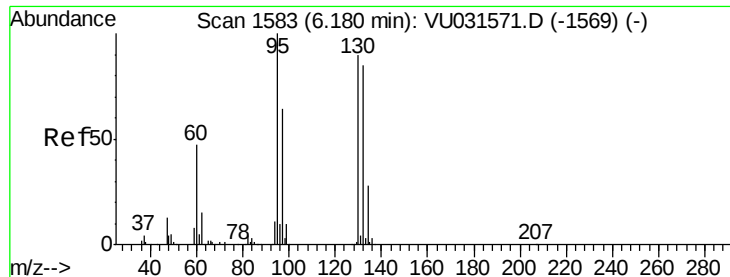
Ion Ratio Lower Upper

96 100

61 131.1 99.5 184.7

68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 4.027 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU031591.D

Acq: 29 Apr 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

C0X81

Tgt Ion: 95 Resp: 23368

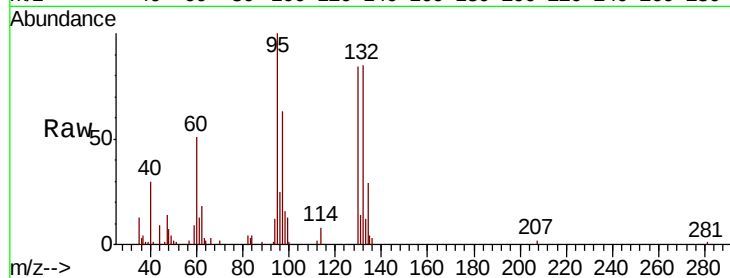
Ion Ratio Lower Upper

95 100

97 62.8 44.8 83.2

132 84.6 63.1 117.1

130 83.8 66.5 123.5

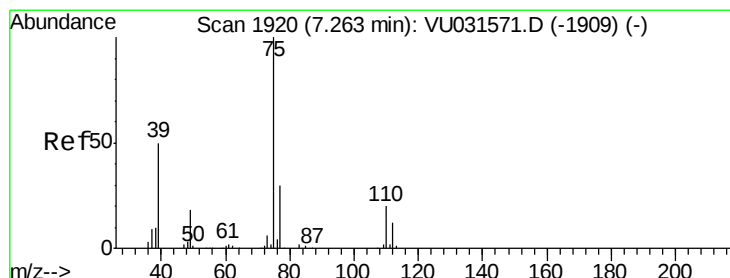
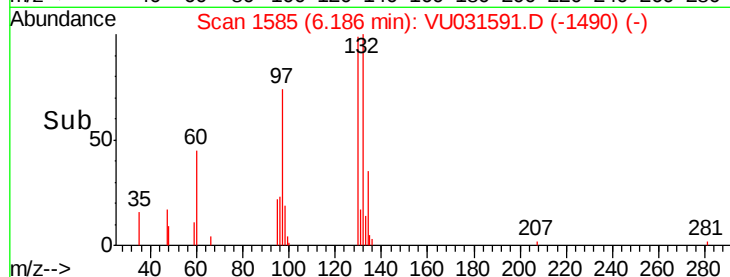
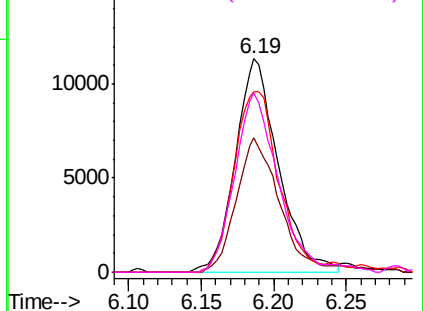


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#39

cis-1,3-Dichloropropene

Concen: 0.947 ug/L

RT: 7.22 min Scan# 1907

Delta R.T. -0.04 min

Lab File: VU031591.D

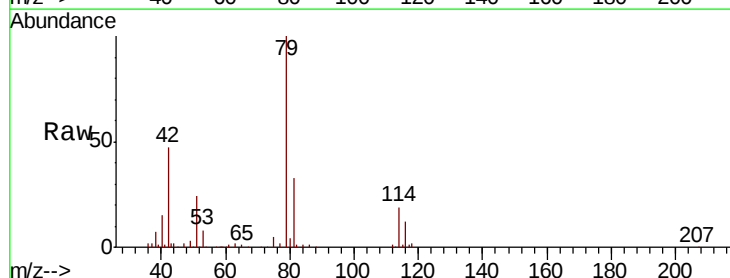
Acq: 29 Apr 2019 17:05

Tgt Ion: 75 Resp: 8506

Ion Ratio Lower Upper

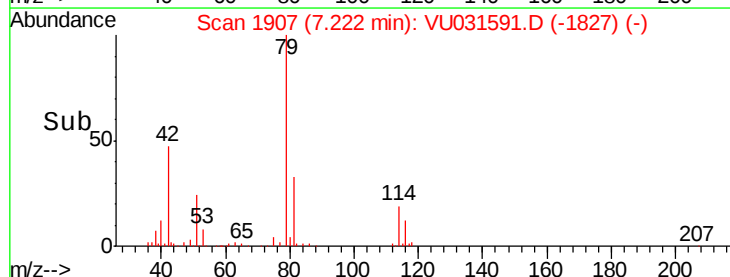
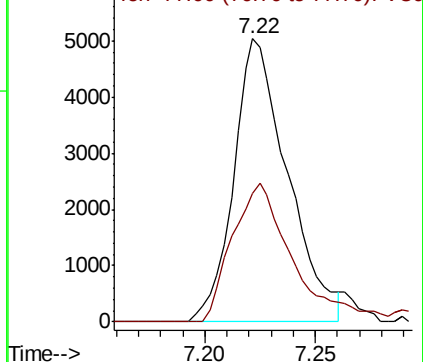
75 100

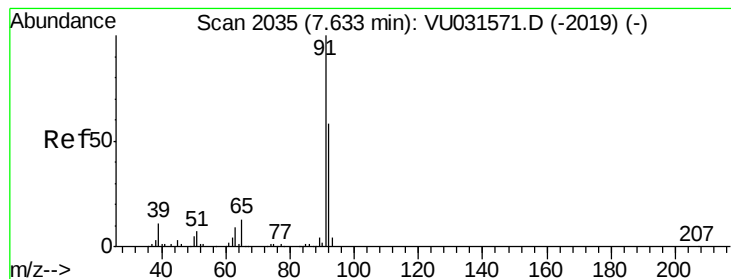
77 45.3 22.1 41.1#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#42

Toluene

Concen: 0.730 ug/L

RT: 7.64 min Scan# 2037

Delta R.T. 0.01 min

Lab File: VU031591.D

Acq: 29 Apr 2019 17:05

Instrument :

MSVOA_U

ClientSampleId :

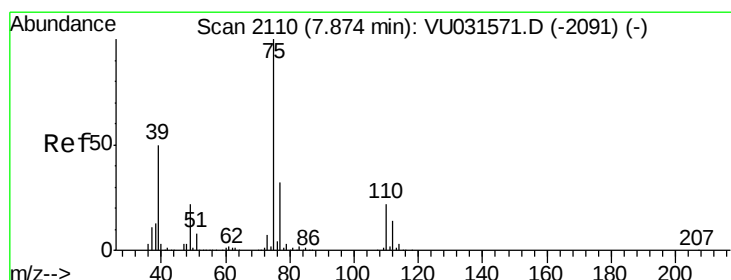
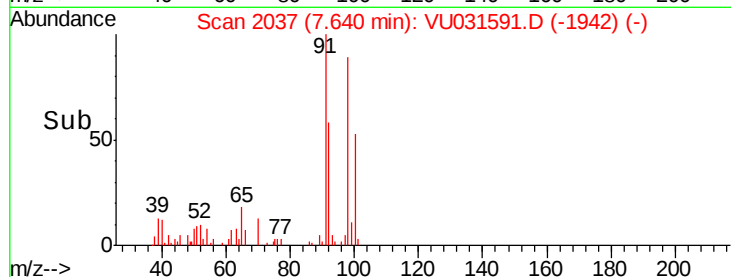
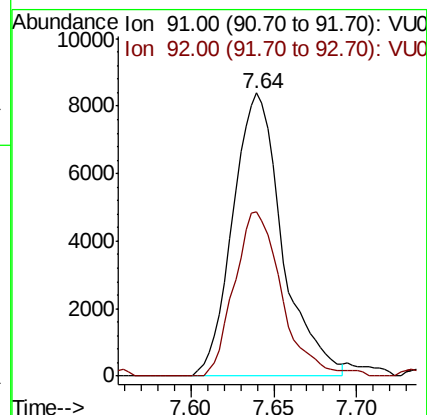
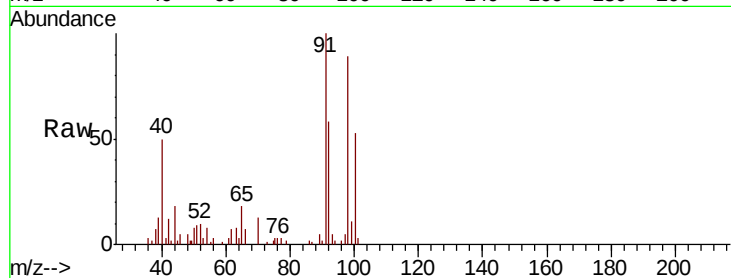
C0X81

Tgt Ion: 91 Resp: 17407

Ion Ratio Lower Upper

91 100

92 57.9 39.0 72.4



#44

trans-1,3-Dichloropropene

Concen: 0.688 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031591.D

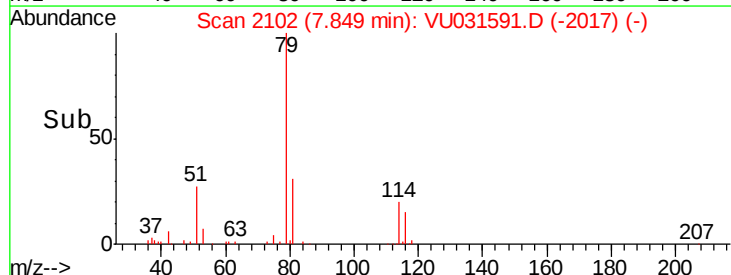
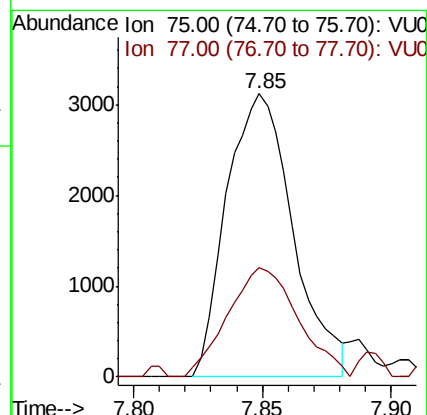
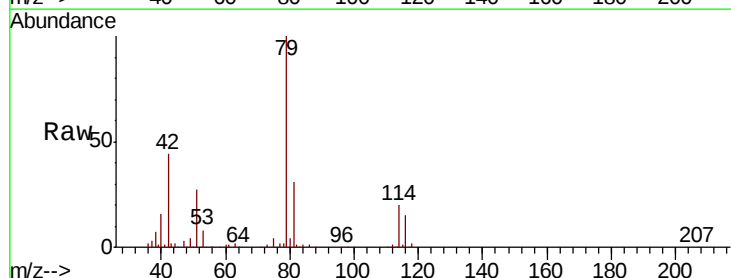
Acq: 29 Apr 2019 17:05

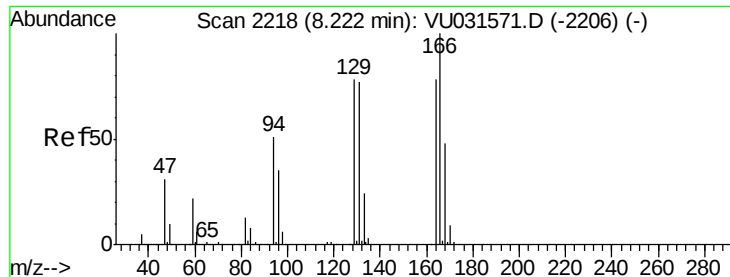
Tgt Ion: 75 Resp: 5606

Ion Ratio Lower Upper

75 100

77 38.7 22.1 41.1





#46

Tetrachloroethene

Concen: 62.981 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU031591.D

Acq: 29 Apr 2019 17:05

Instrument :

MSVOA_U

ClientSampled :

C0X81

Tgt Ion:164 Resp: 249135

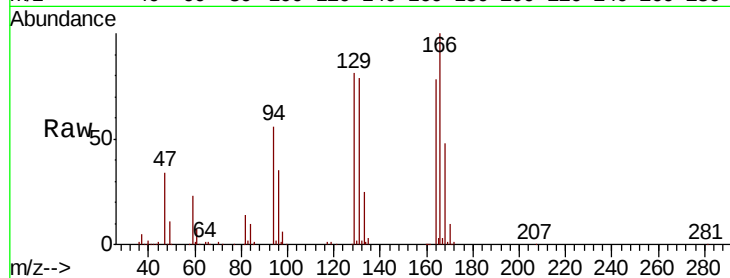
Ion Ratio Lower Upper

164 100

129 104.4 71.5 132.9

131 101.2 69.0 128.2

166 128.3 93.7 173.9

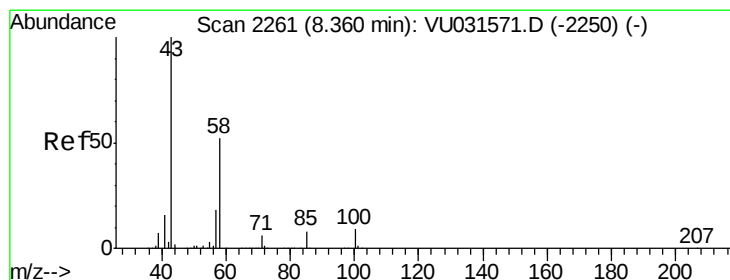
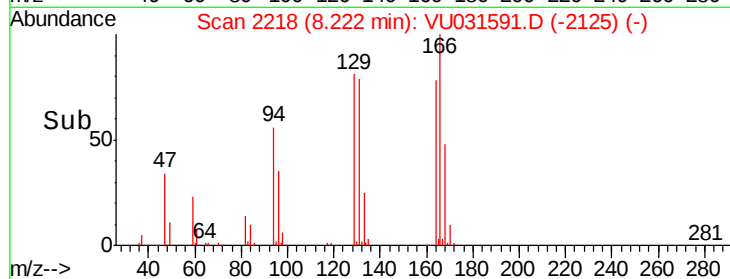
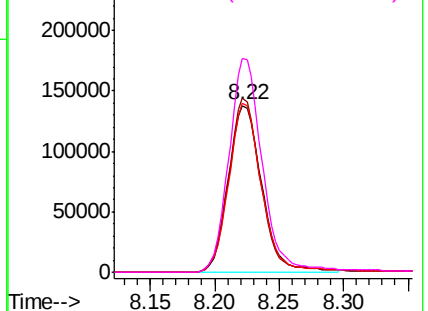


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.559 ug/L

RT: 8.37 min Scan# 2263

Delta R.T. 0.01 min

Lab File: VU031591.D

Acq: 29 Apr 2019 17:05

Tgt Ion: 43 Resp: 21641

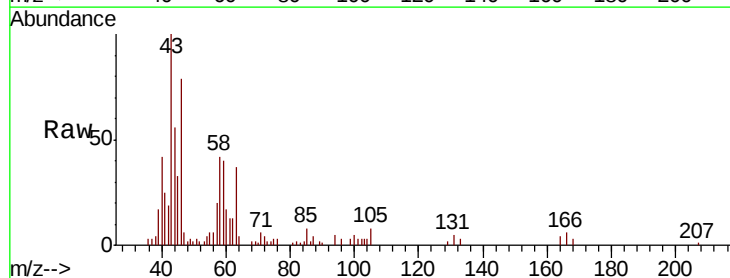
Ion Ratio Lower Upper

43 100

58 0.0 42.1 63.1#

57 1.7 14.6 22.0#

100 2.1 7.2 10.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

