

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032219\
 Data File : VU030308.D
 Acq On : 22 Mar 2019 15:13
 Operator : JC/SP
 Sample : K2048-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1D4

Quant Time: Mar 23 02:37:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 02:31:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	536280	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	530165	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	249609	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	136672	37.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.38%
7) Chloroethane-d5	1.68	69	121357	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.70%
11) 1,1-Dichloroethene-d2	2.27	63	194627	29.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.84%#
21) 2-Butanone-d5	4.17	46	242392	90.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.10%
24) Chloroform-d	4.65	84	288147	43.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.31	65	169986	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.56%
32) Benzene-d6	5.34	84	587015	42.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.04%
36) 1,2-Dichloropropane-d6	6.33	67	193587	44.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.56%
41) Toluene-d8	7.56	98	528872	40.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.52%
43) trans-1,3-Dichloropropene-	7.85	79	86228	40.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.92%
47) 2-Hexanone-d5	8.31	63	200447	89.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294772	44.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	223503	44.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.20%

Target Compounds

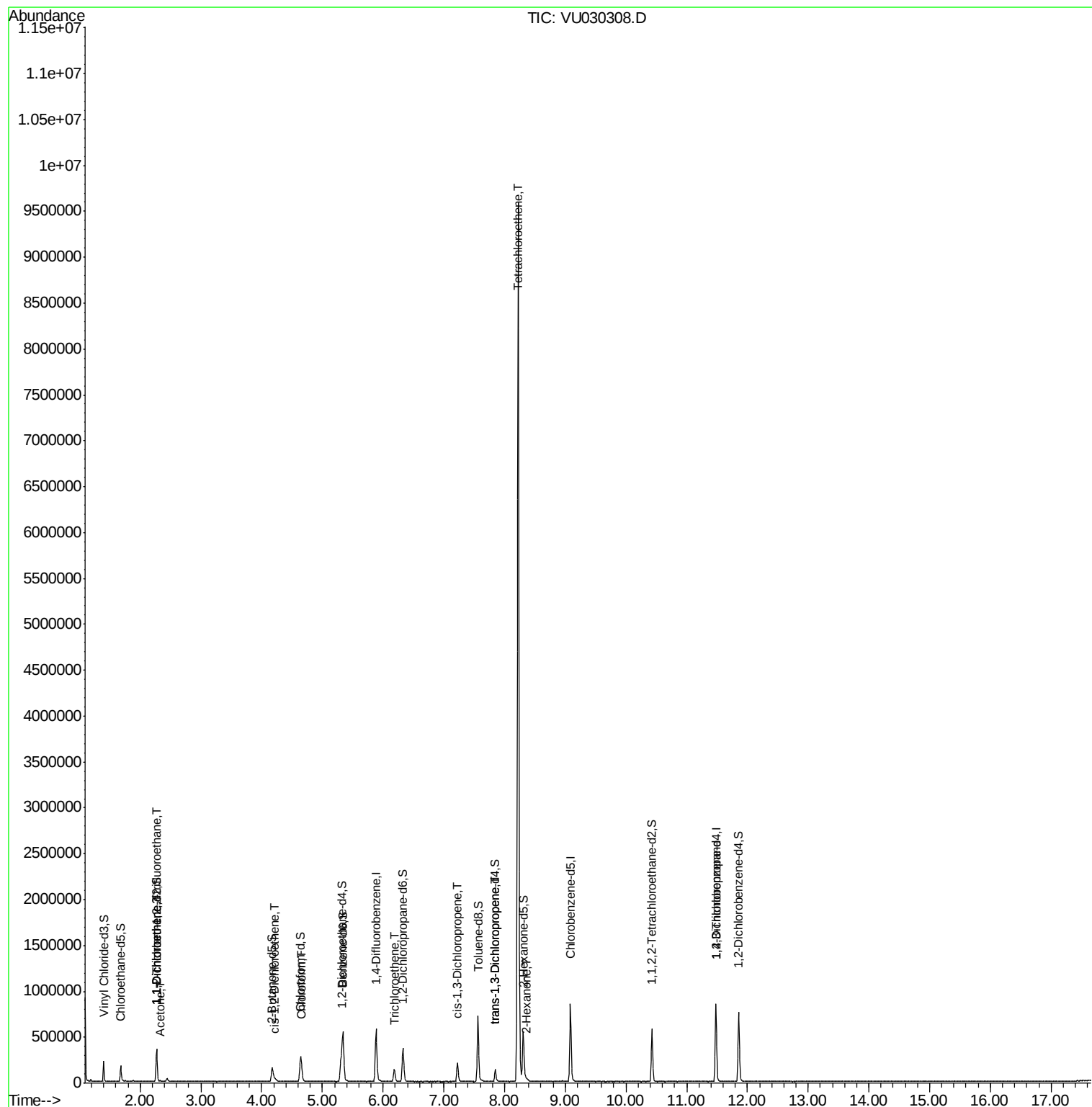
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2202	0.611	ug/L #	34
12) 1,1-Dichloroethene	2.28	96	4031	1.127	ug/L #	1
13) Acetone	2.32	43	6722	2.391	ug/L	96
20) cis-1,2-Dichloroethene	4.22	96	10918	2.643	ug/L	86
25) Chloroform	4.67	83	12116	1.793	ug/L	90
34) Trichloroethene	6.19	95	50905	12.627	ug/L	96
39) cis-1,3-Dichloropropene	7.23	75	4374	0.696	ug/L #	55
44) trans-1,3-Dichloropropene	7.85	75	3030	0.557	ug/L #	77
46) Tetrachloroethene	8.22	164	2336102	685.814	ug/L	99
48) 2-Hexanone	8.37	43	5206	1.165	ug/L #	74
59) 1,2,3-Trichloropropane	11.48	75	26084	4.927	ug/L	95

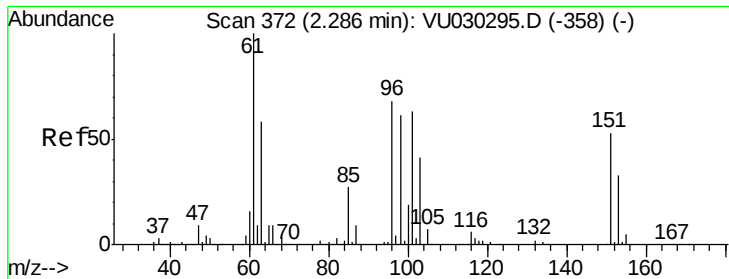
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.611 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030308.D

Acq: 22 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

BF1D4

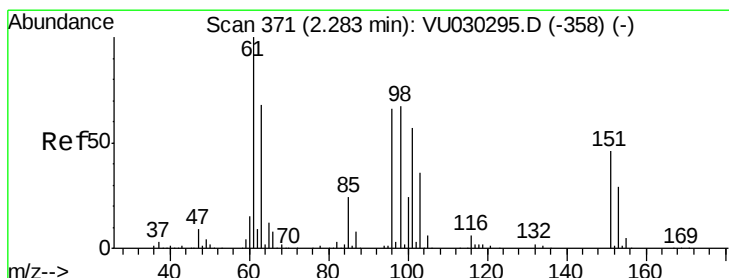
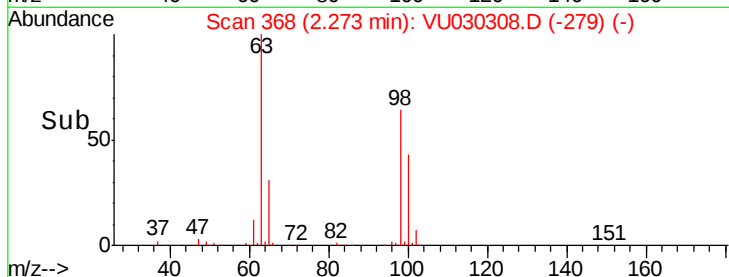
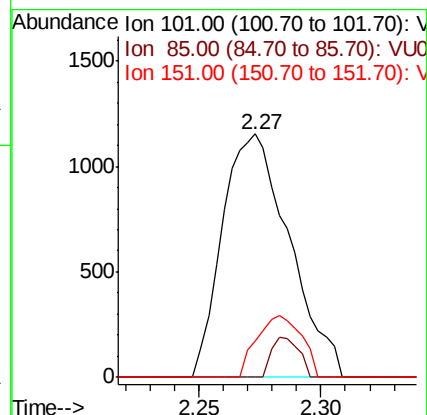
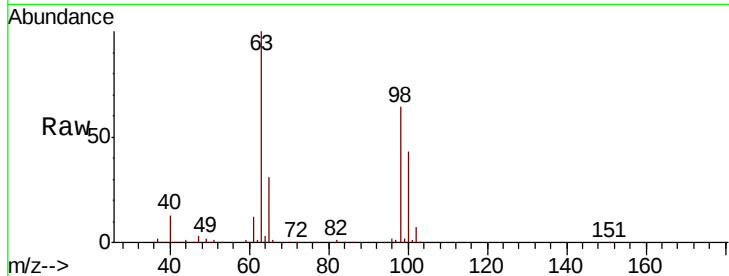
Tgt Ion: 101 Resp: 2202

Ion Ratio Lower Upper

101 100

85 6.7 32.5 48.7#

151 16.7 64.7 97.1#



#12

1,1-Dichloroethene

Concen: 1.127 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030308.D

Acq: 22 Mar 2019 15:13

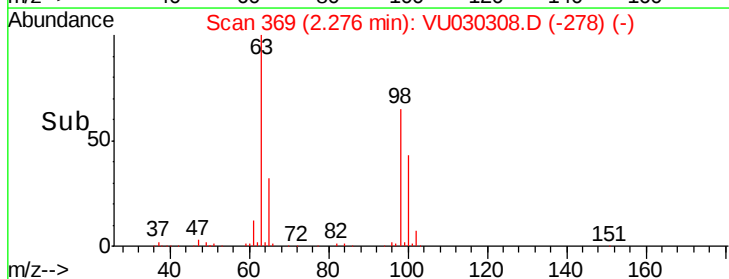
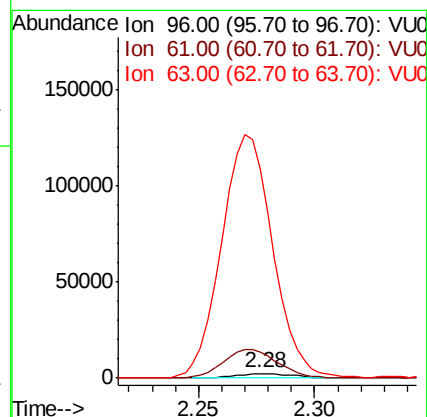
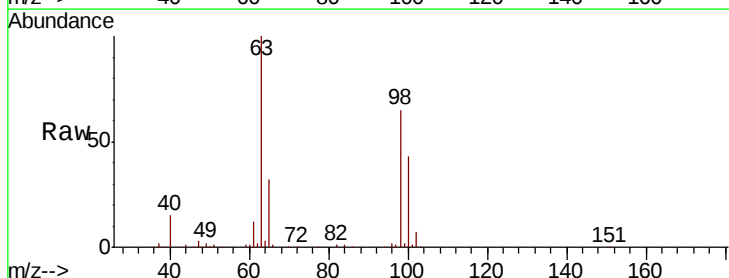
Tgt Ion: 96 Resp: 4031

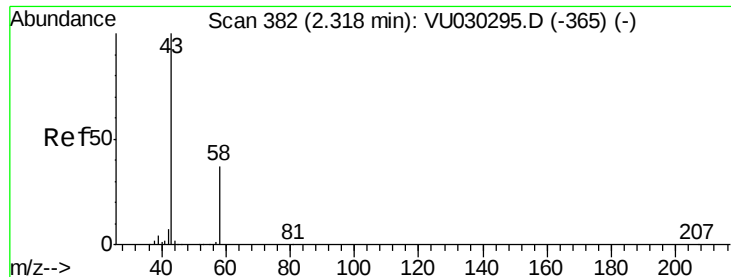
Ion Ratio Lower Upper

96 100

61 612.8 104.6 194.2#

63 4918.3 77.2 143.4#





#13

Acetone

Concen: 2.391 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030308.D

Acq: 22 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

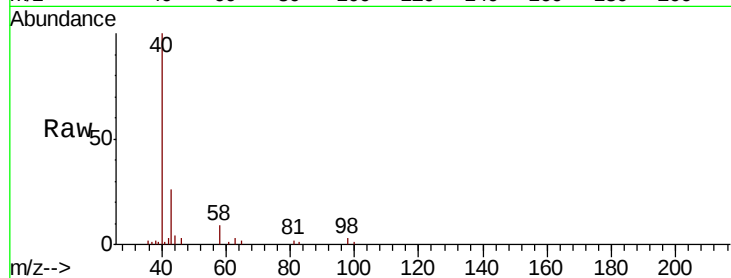
BF1D4

Tgt Ion: 43 Resp: 6722

Ion Ratio Lower Upper

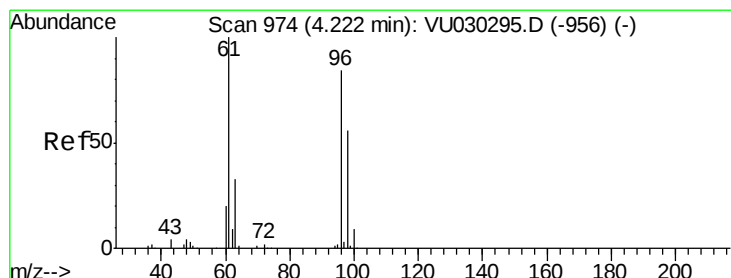
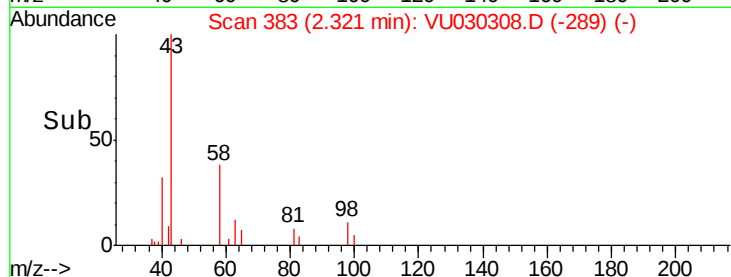
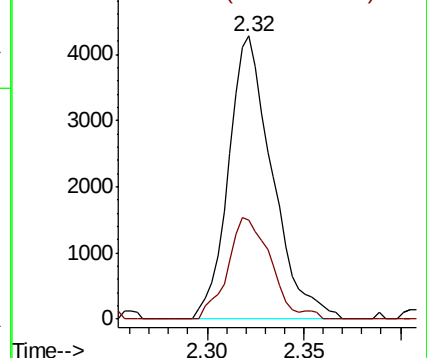
43 100

58 34.5 0.0 73.4



Abundance Ion 43.00 (42.70 to 43.70): VU030295.D (-365) (-)

Ion 58.00 (57.70 to 58.70): VU030295.D (-365) (-)



#20

cis-1,2-Dichloroethene

Concen: 2.643 ug/L

RT: 4.22 min Scan# 975

Delta R.T. 0.00 min

Lab File: VU030308.D

Acq: 22 Mar 2019 15:13

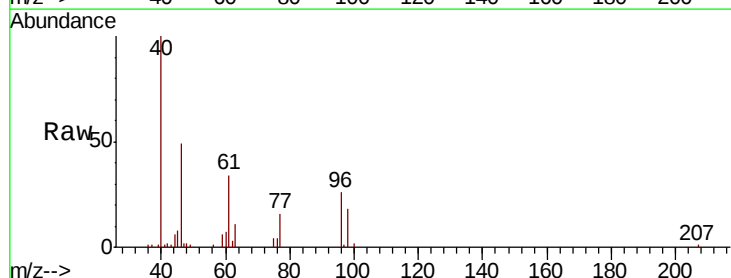
Tgt Ion: 96 Resp: 10918

Ion Ratio Lower Upper

96 100

61 131.7 81.5 151.3

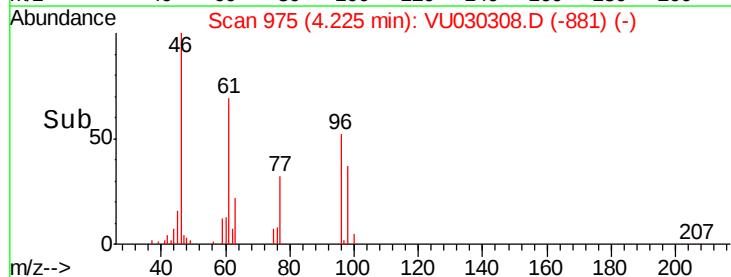
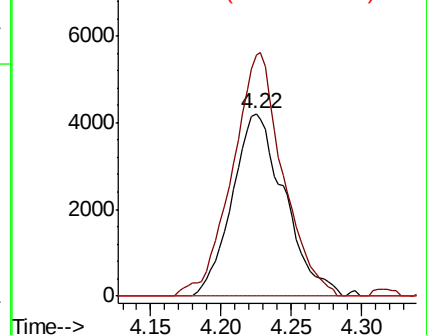
68 0.0 0.0 0.0

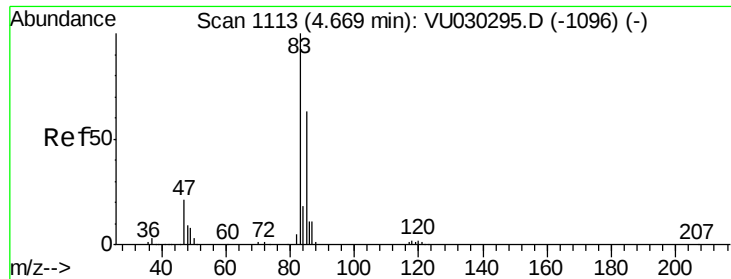


Abundance Ion 96.00 (95.70 to 96.70): VU030295.D (-956) (-)

Ion 61.00 (60.70 to 61.70): VU030295.D (-956) (-)

Ion 68.00 (67.70 to 68.70): VU030295.D (-956) (-)





#25

Chloroform

Concen: 1.793 ug/L

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU030308.D

Acq: 22 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

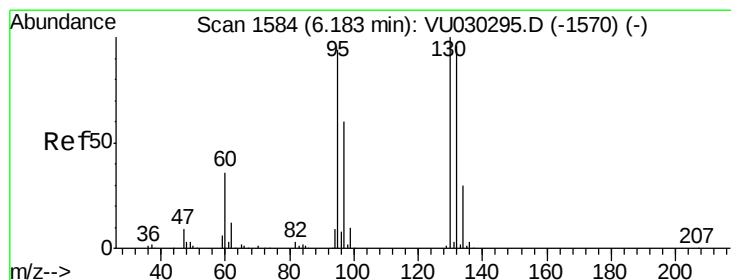
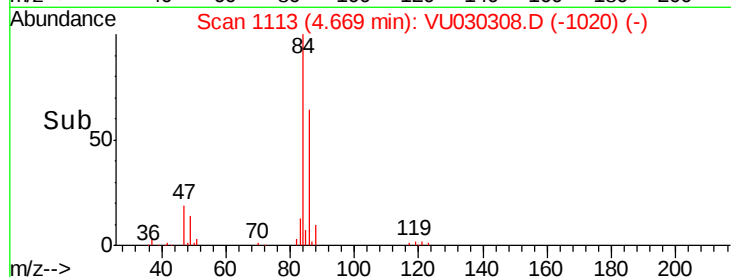
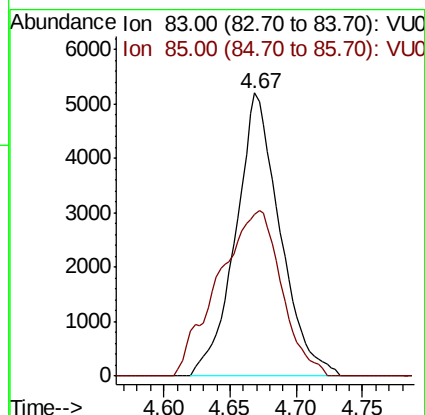
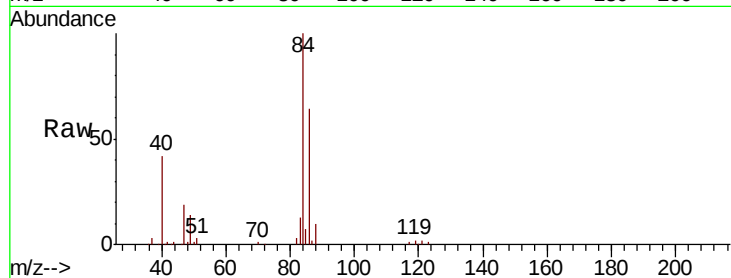
BF1D4

Tgt Ion: 83 Resp: 12116

Ion Ratio Lower Upper

83 100

85 57.2 45.8 85.2



#34

Trichloroethene

Concen: 12.627 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VU030308.D

Acq: 22 Mar 2019 15:13

Tgt Ion: 95 Resp: 50905

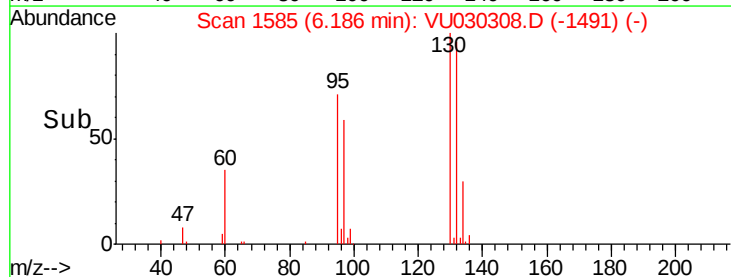
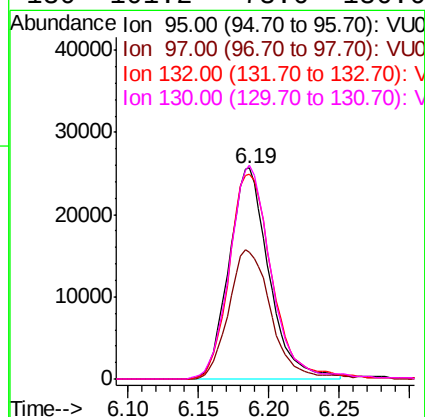
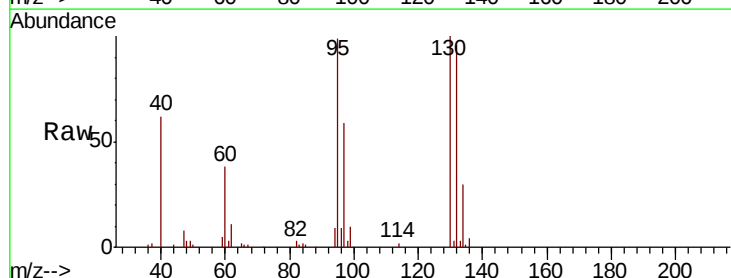
Ion Ratio Lower Upper

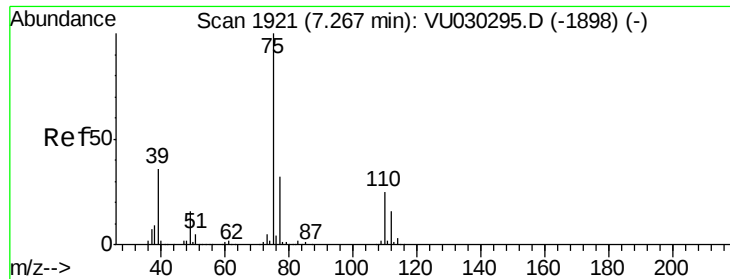
95 100

97 59.9 46.2 85.8

132 96.9 69.3 128.7

130 101.2 73.6 136.6



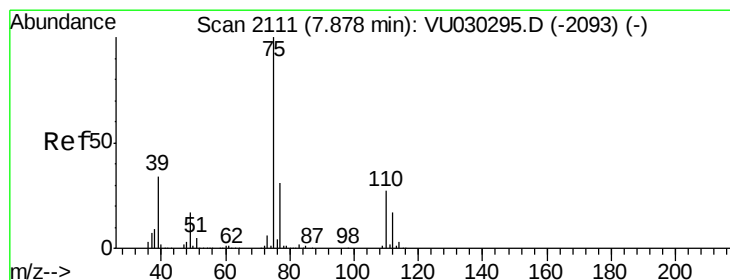
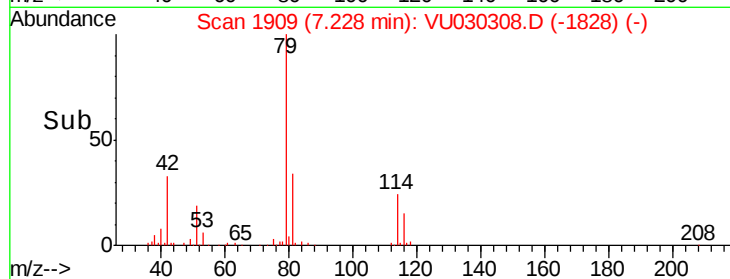
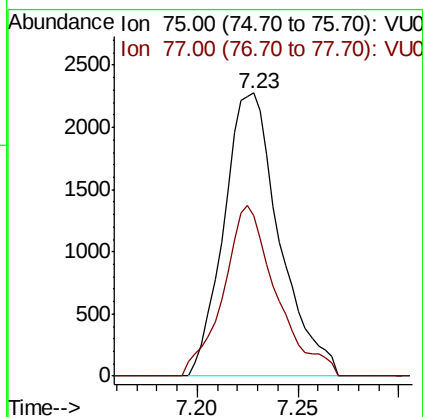
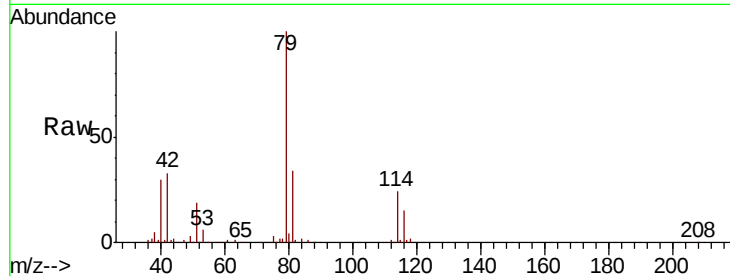


#39

cis-1,3-Dichloropropene
 Concen: 0.696 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU030308.D
 Acq: 22 Mar 2019 15:13

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1D4

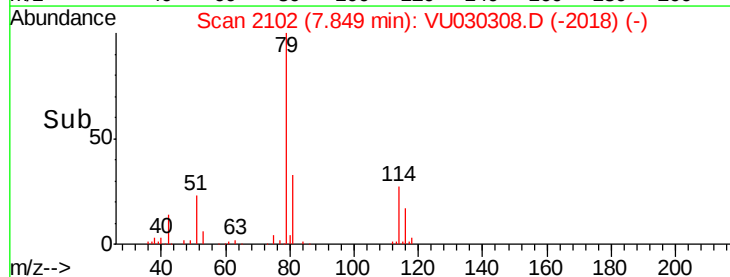
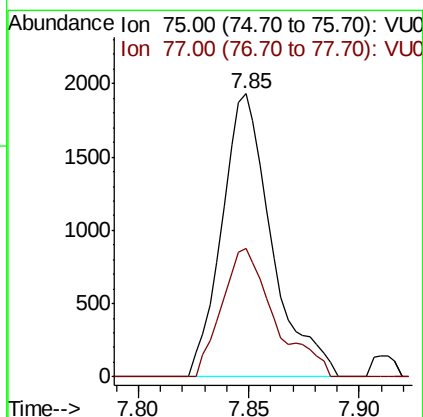
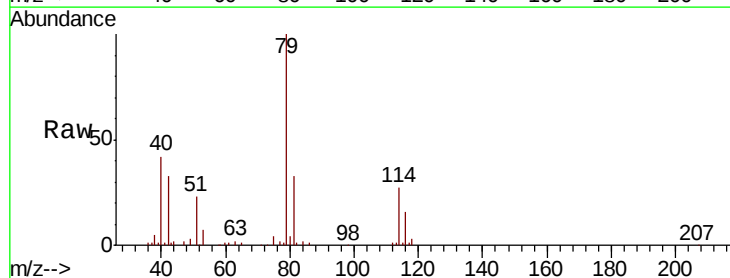
Tgt Ion: 75 Resp: 4374
 Ion Ratio Lower Upper
 75 100
 77 56.5 22.1 41.1#

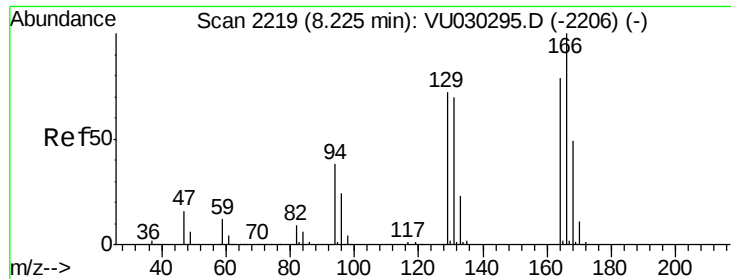


#44

trans-1,3-Dichloropropene
 Concen: 0.557 ug/L
 RT: 7.85 min Scan# 2102
 Delta R.T. -0.03 min
 Lab File: VU030308.D
 Acq: 22 Mar 2019 15:13

Tgt Ion: 75 Resp: 3030
 Ion Ratio Lower Upper
 75 100
 77 45.4 22.7 42.1#

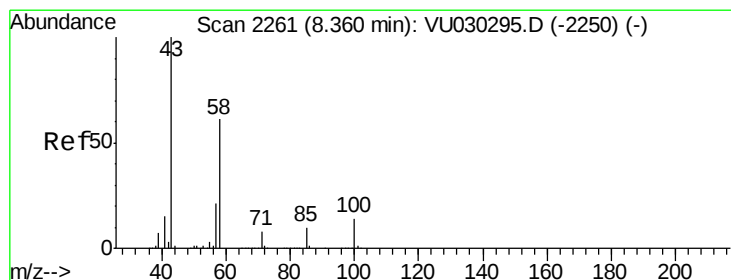
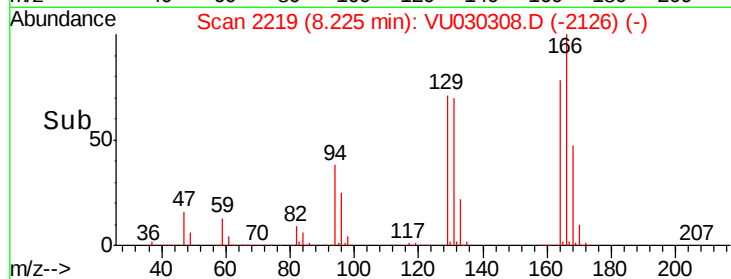
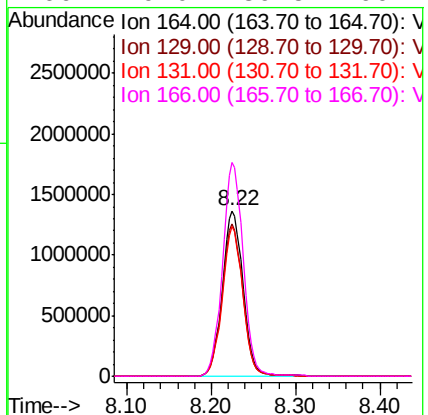
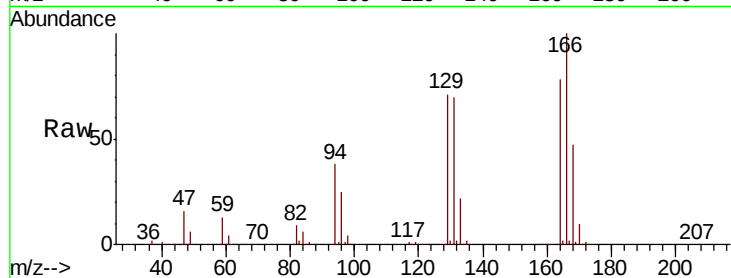




#46
Tetrachloroethene
Concen: 685.814 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VU030308.D
Acq: 22 Mar 2019 15:13

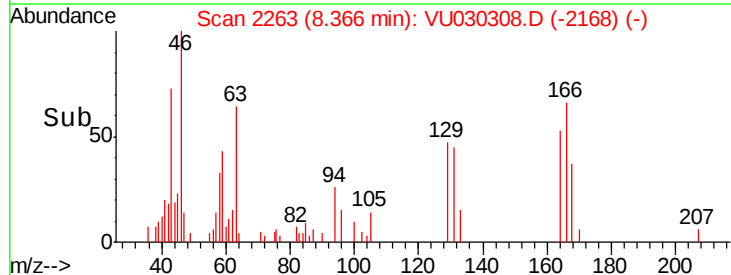
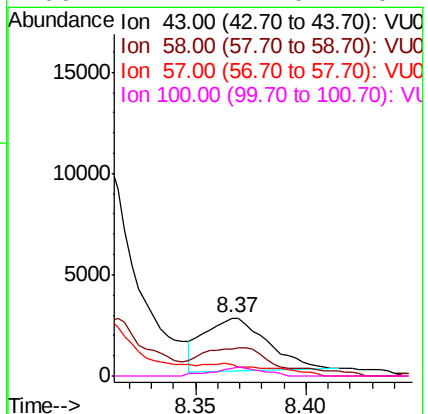
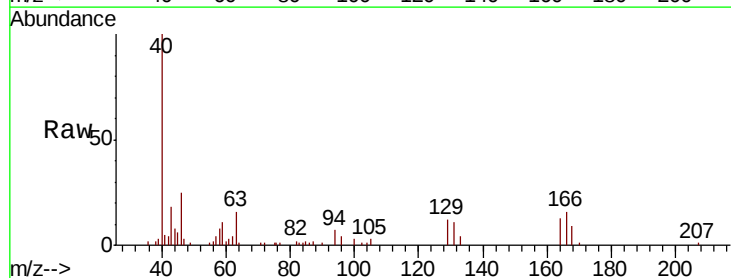
Instrument :
MSVOA_U
ClientSampled :
BF1D4

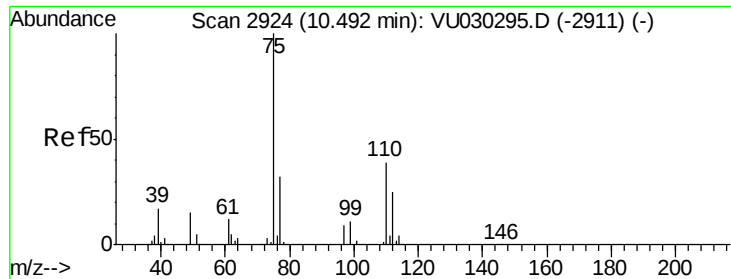
Tgt Ion:164 Resp: 2336102
Ion Ratio Lower Upper
164 100
129 92.1 64.4 119.6
131 90.1 63.2 117.4
166 129.0 89.5 166.1



#48
2-Hexanone
Concen: 1.165 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030308.D
Acq: 22 Mar 2019 15:13

Tgt Ion: 43 Resp: 5206
Ion Ratio Lower Upper
43 100
58 42.3 49.3 73.9#
57 0.0 17.0 25.4#
100 12.7 11.0 16.4





#59

1,2,3-Trichloropropane

Concen: 4.927 ug/L

RT: 11.48 min Scan# 3232

Delta R.T. 0.99 min

Lab File: VU030308.D

Acq: 22 Mar 2019 15:13

Instrument :

MSVOA_U

ClientSampleId :

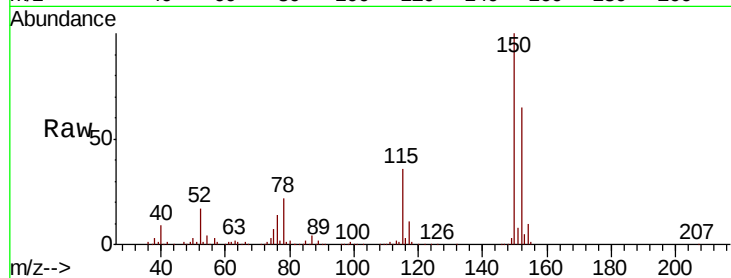
BF1D4

Tgt Ion: 75 Resp: 26084

Ion Ratio Lower Upper

75 100

77 35.2 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

