

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030725.D
 Acq On : 05 Apr 2019 08:00
 Operator : JC/SP
 Sample : K2249-03MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9MS

Quant Time: Apr 05 08:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 08:33:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	512231	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	498930	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	208412	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	211066	46.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.32%
7) Chloroethane-d5	1.68	69	164927	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.04%
11) 1,1-Dichloroethene-d2	2.27	63	376165	45.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.96%
21) 2-Butanone-d5	4.17	46	338622	93.44	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.44%
24) Chloroform-d	4.64	84	317028	45.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.78%
26) 1,2-Dichloroethane-d4	5.31	65	221469	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
32) Benzene-d6	5.33	84	673352	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
36) 1,2-Dichloropropane-d6	6.32	67	227631	45.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.20%
41) Toluene-d8	7.56	98	577283	44.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.44%
43) trans-1,3-Dichloropropene-	7.85	79	98269	43.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.34%
47) 2-Hexanone-d5	8.31	63	203336	89.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	304505	45.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	195280	47.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2829	0.771	ug/L #	22
12) 1,1-Dichloroethene	2.28	96	141663	40.009	ug/L	93
13) Acetone	2.31	43	12271	3.309	ug/L	99
19) 1,1-Dichloroethane	3.44	63	11503	1.483	ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	3943	0.950	ug/L	94
25) Chloroform	4.67	83	15518	1.990	ug/L	98
27) 1,2-Dichloroethane	5.39	62	6147	1.033	ug/L #	75
30) 1,1,1-Trichloroethane	4.91	97	26258	4.318	ug/L	96
31) Carbon tetrachloride	4.92	117	3153	0.602	ug/L	99
33) Benzene	5.39	78	677559	41.499	ug/L	100
34) Trichloroethene	6.18	95	164168	40.996	ug/L	99
39) cis-1,3-Dichloropropene	7.23	75	6131	0.932	ug/L #	58
40) 4-Methyl-2-pentanone	7.47	43	4732	0.636	ug/L #	69
42) Toluene	7.63	91	681763	40.907	ug/L	100
44) trans-1,3-Dichloropropene	7.85	75	3497	0.603	ug/L	85
46) Tetrachloroethene	8.23	164	1912	0.657	ug/L #	79
51) Chlorobenzene	9.12	112	434618	42.519	ug/L	99

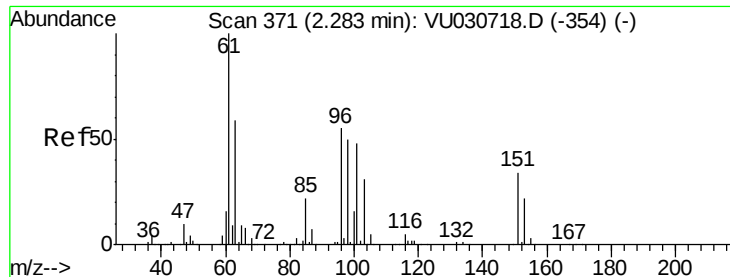
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
Data File : VU030725.D
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Quant Title : VOC Analysis
QLast Update : Fri Apr 05 08:33:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.48	75	26349	4.759	ug/L	89

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



#10

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

Concen: 0.771 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030725.D

Acq: 05 Apr 2019 08:00

Instrument :

MSVOA_U

ClientSampleId :

E3YD9MS

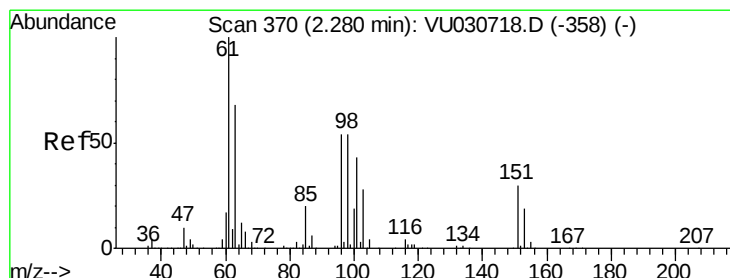
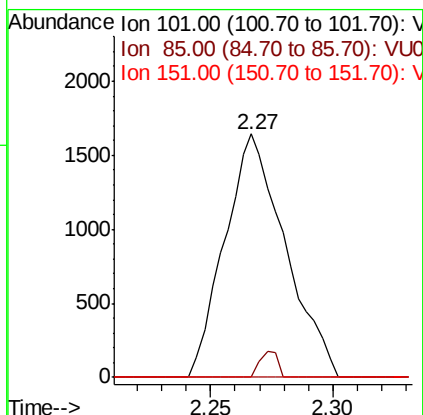
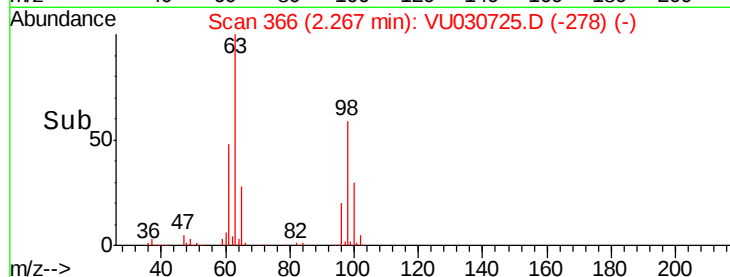
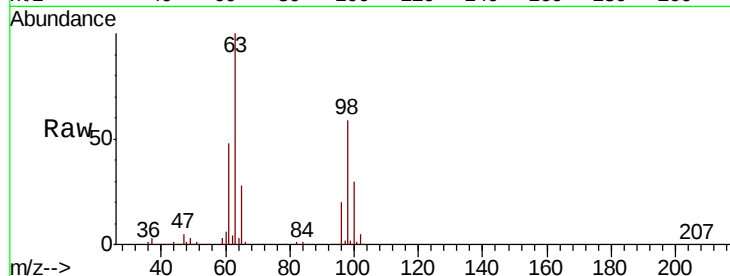
Tot Ion:101 Resp: 2829

Ion Ratio Lower Upper

101 100

85 3.1 36.8 55.2#

151 0.0 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 40.009 ug/L

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU030725.D

Acq: 05 Apr 2019 08:00

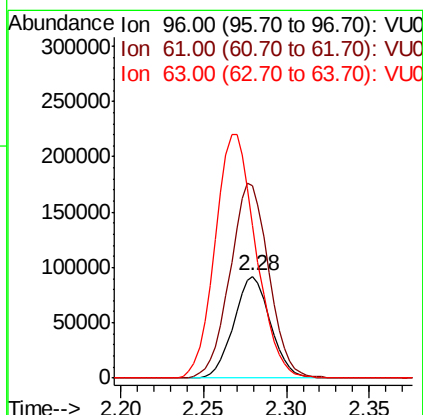
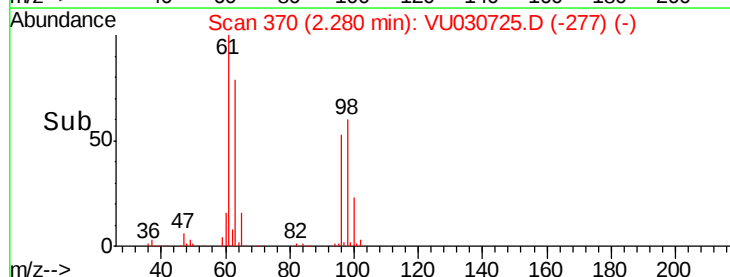
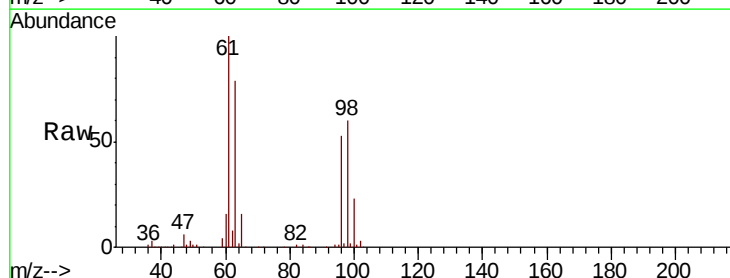
Tgt Ion: 96 Resp: 141663

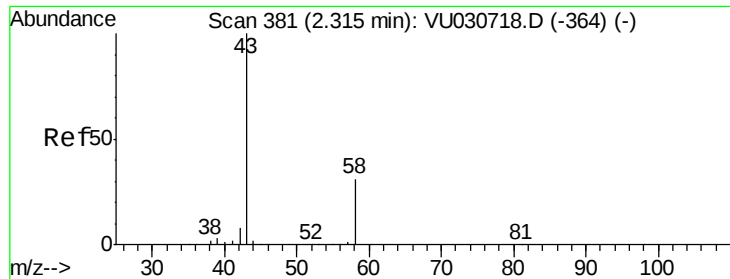
Ion Ratio Lower Upper

96 100

61 188.8 132.0 245.2

63 149.4 90.9 168.9





#13

Acetone

Concen: 3.309 ug/L

RT: 2.31 min Scan# 381

Delta R.T. -0.00 min

Lab File: VU030725.D

Acq: 05 Apr 2019 08:00

Instrument :

MSVOA_U

ClientSampleId :

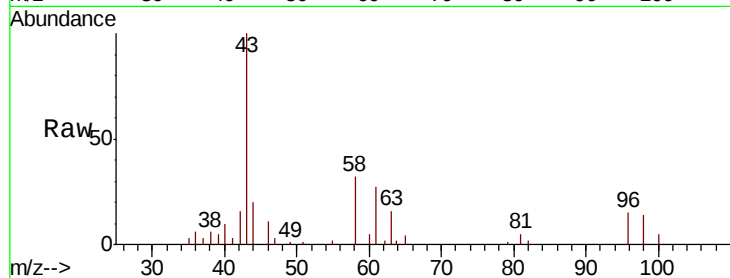
E3YD9MS

Tot Ion: 43 Resp: 12271

Ion Ratio Lower Upper

43 100

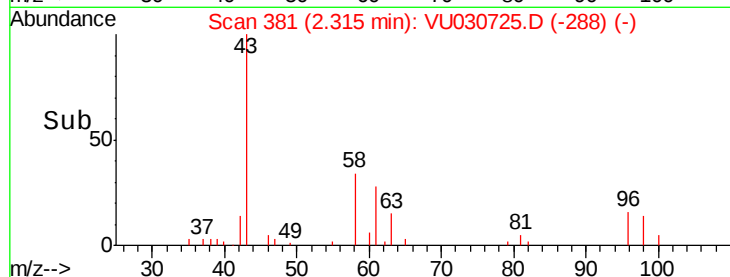
58 32.3 0.0 64.0



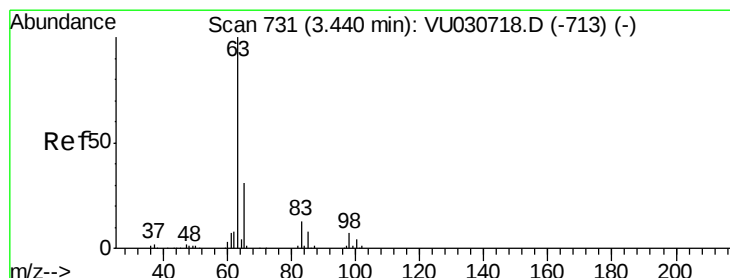
Abundance Ion 43.00 (42.70 to 43.70): VU030718.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU030718.D (-364) (-)

Time-->



Time-->



#19

1,1-Dichloroethane

Concen: 1.483 ug/L

RT: 3.44 min Scan# 732

Delta R.T. 0.00 min

Lab File: VU030725.D

Acq: 05 Apr 2019 08:00

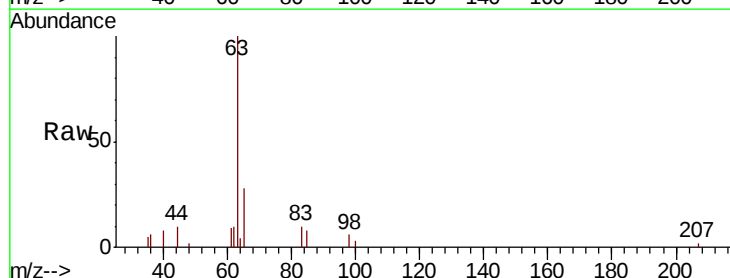
Tgt Ion: 63 Resp: 11503

Ion Ratio Lower Upper

63 100

65 28.1 21.4 39.8

83 10.4 8.5 15.7

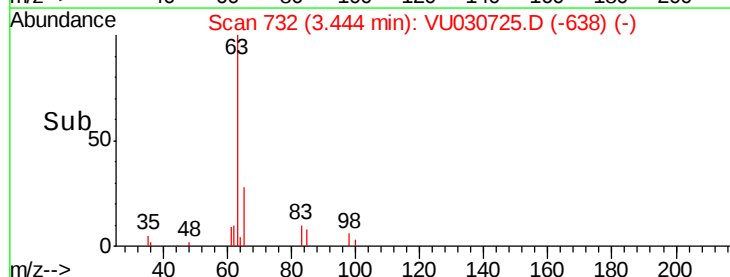


Abundance Ion 63.00 (62.70 to 63.70): VU030718.D (-713) (-)

Ion 65.00 (64.70 to 65.70): VU030718.D (-713) (-)

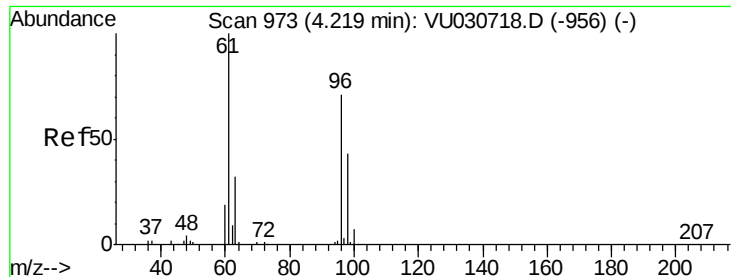
Ion 83.00 (82.70 to 83.70): VU030718.D (-713) (-)

Time-->



Time-->

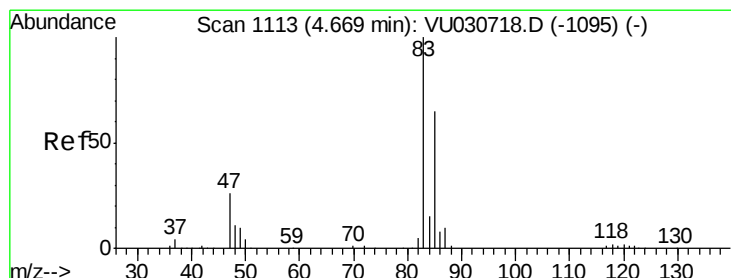
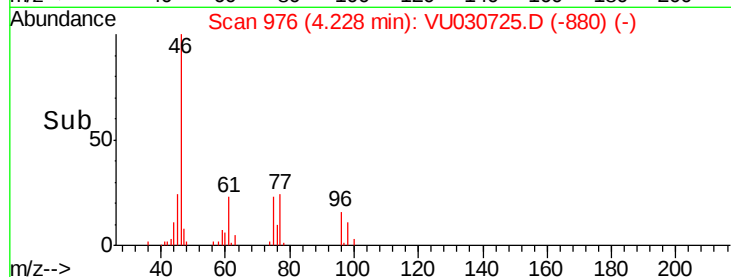
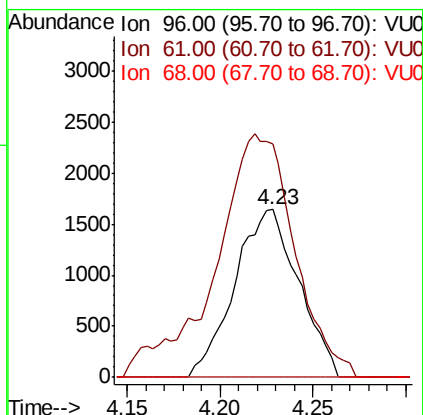
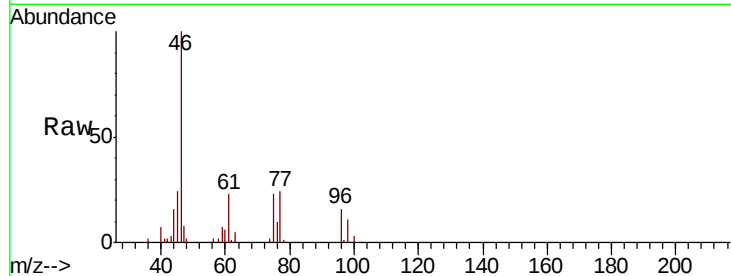
Time-->



#20
 cis-1,2-Dichloroethene
 Concen: 0.950 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

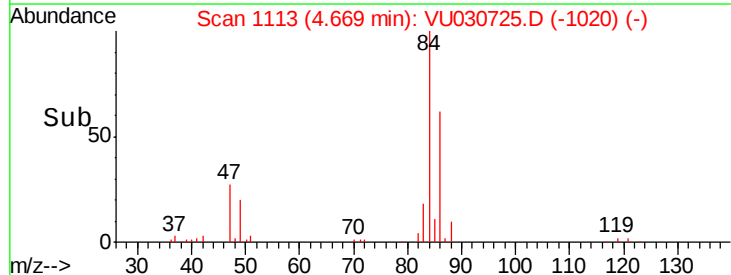
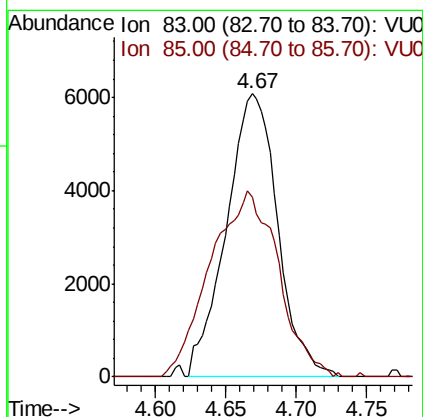
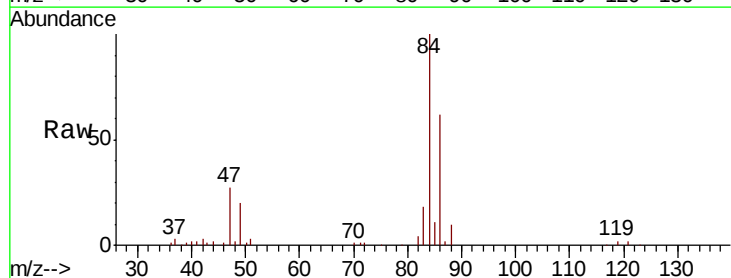
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9MS

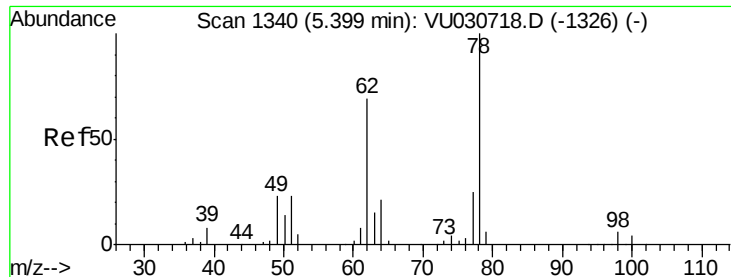
Tot Ion: 96 Resp: 3943
 Ion Ratio Lower Upper
 96 100
 61 138.9 102.9 191.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 1.990 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

Tgt Ion: 83 Resp: 15518
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.8 85.0





#27

1,2-Dichloroethane

Concen: 1.033 ug/L

RT: 5.39 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VU030725.D

Acq: 05 Apr 2019 08:00

Instrument :

MSVOA_U

ClientSampleId :

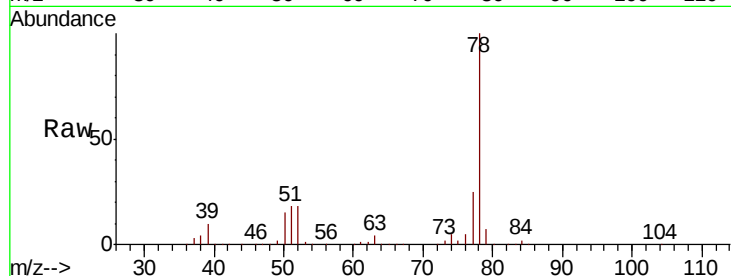
E3YD9MS

Tot Ion: 62 Resp: 6147

Ion Ratio Lower Upper

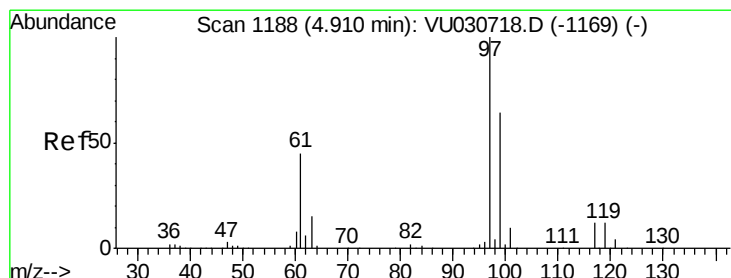
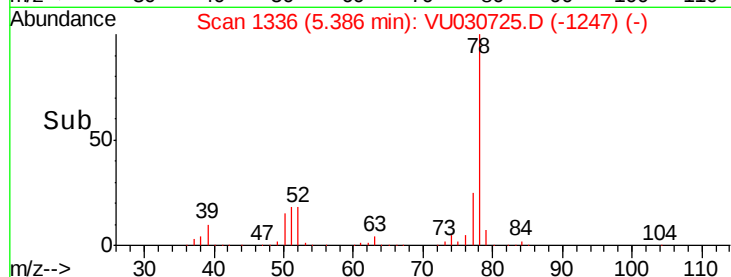
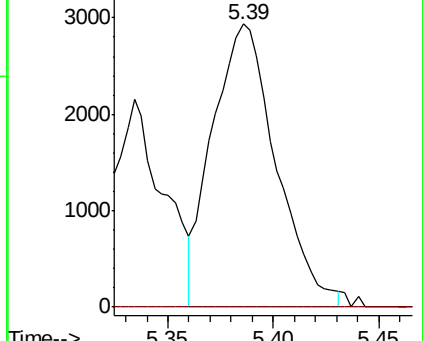
62 100

98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VU030718.D (-1326) (-)

Ion 98.00 (97.70 to 98.70): VU030718.D (-1326) (-)



#30

1,1,1-Trichloroethane

Concen: 4.318 ug/L

RT: 4.91 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VU030725.D

Acq: 05 Apr 2019 08:00

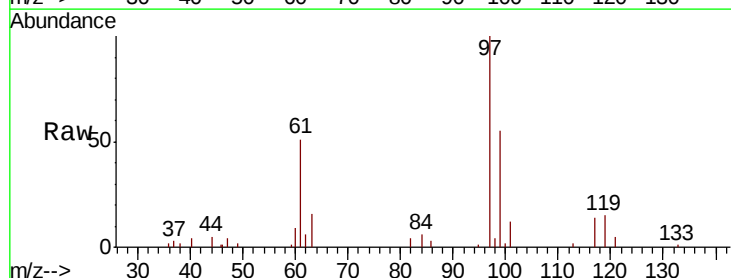
Tgt Ion: 97 Resp: 26258

Ion Ratio Lower Upper

97 100

99 59.4 51.4 77.2

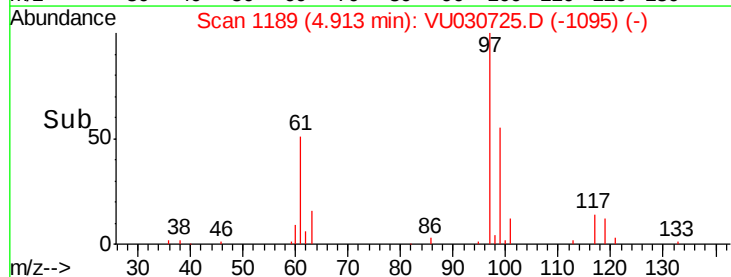
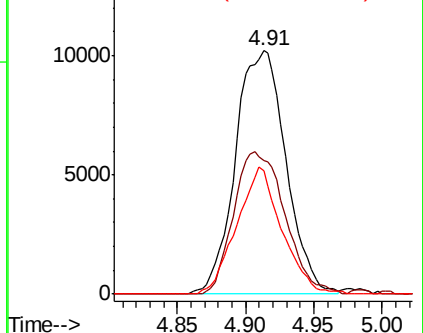
61 46.4 37.1 55.7

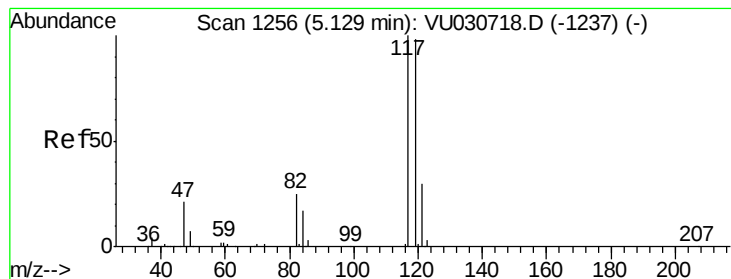


Abundance Ion 97.00 (96.70 to 97.70): VU030718.D (-1169) (-)

Ion 99.00 (98.70 to 99.70): VU030718.D (-1169) (-)

Ion 61.05 (60.75 to 61.75): VU030718.D (-1169) (-)





#31

Carbon tetrachloride

Concen: 0.602 ug/L

RT: 4.92 min Scan# 1190

Delta R.T. -0.21 min

Lab File: VU030725.D

Acq: 05 Apr 2019 08:00

Instrument :

MSVOA_U

ClientSampleId :

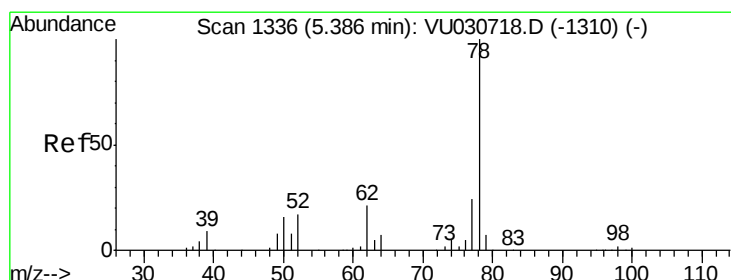
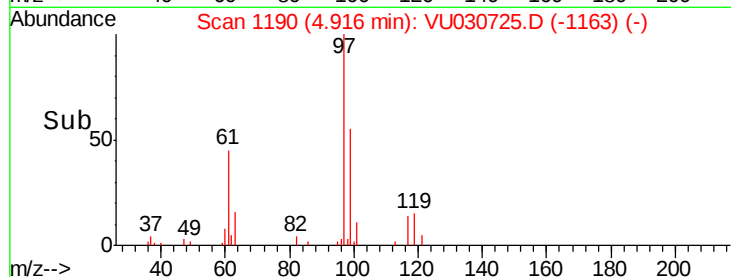
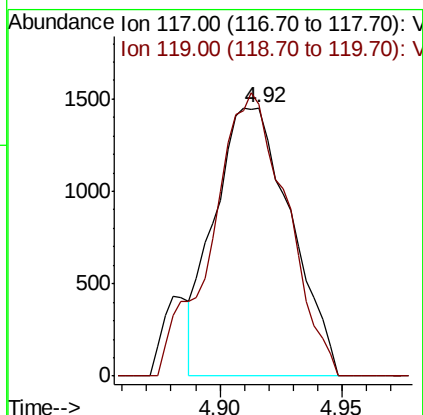
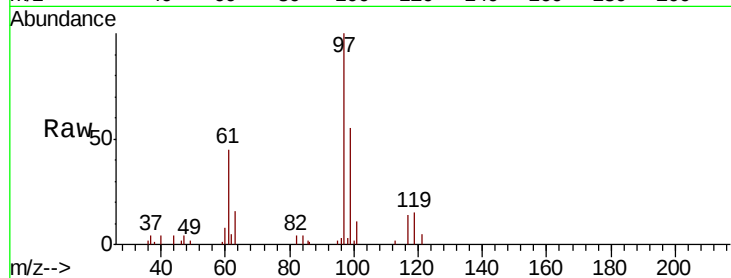
E3YD9MS

Tot Ion:117 Resp: 3153

Ion Ratio Lower Upper

117 100

119 95.9 76.2 114.2



#33

Benzene

Concen: 41.499 ug/L

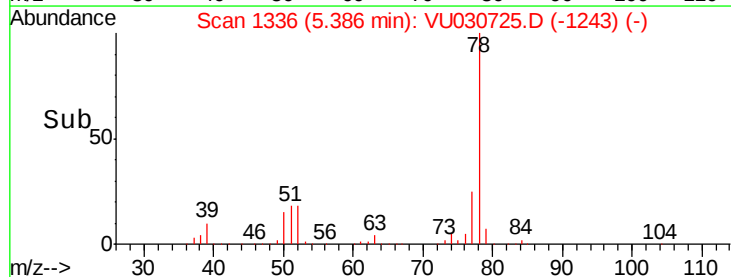
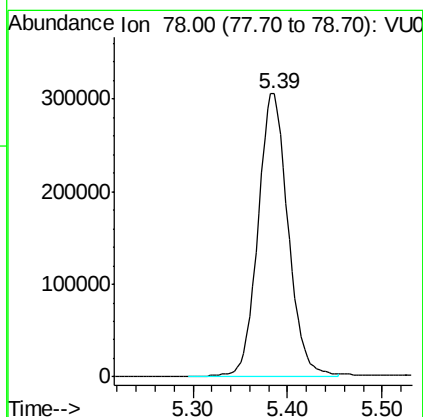
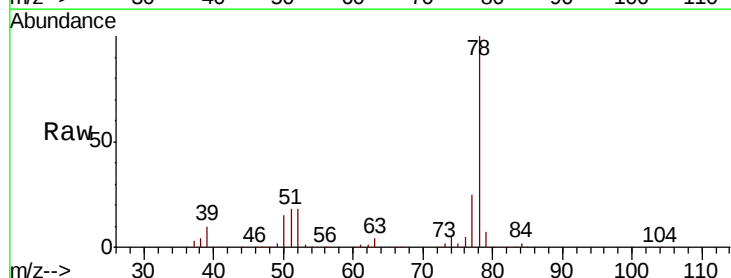
RT: 5.39 min Scan# 1336

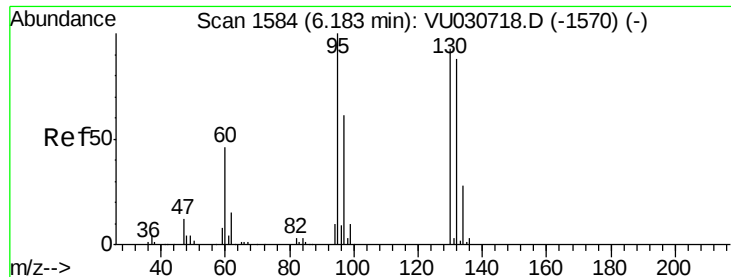
Delta R.T. -0.00 min

Lab File: VU030725.D

Acq: 05 Apr 2019 08:00

Tgt Ion: 78 Resp: 677559

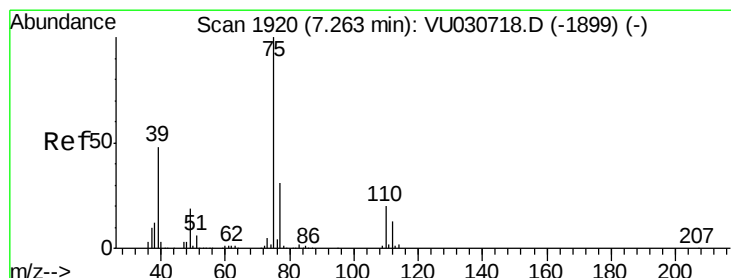
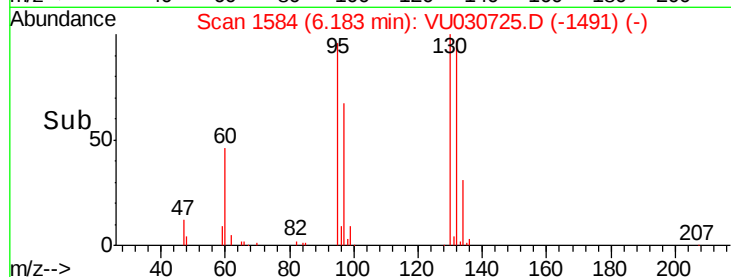
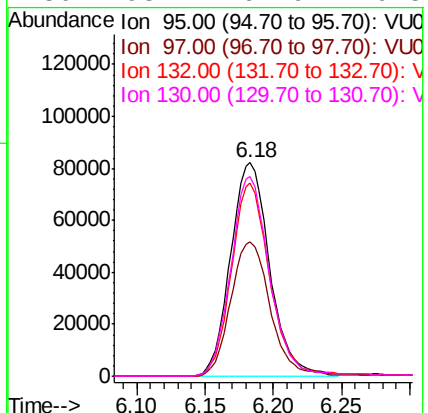
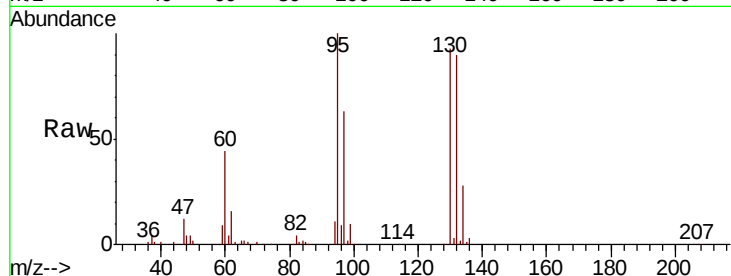




#34
 Trichloroethene
 Concen: 40.996 ug/L
 RT: 6.18 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

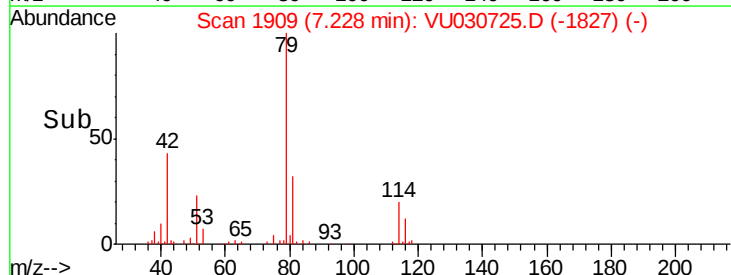
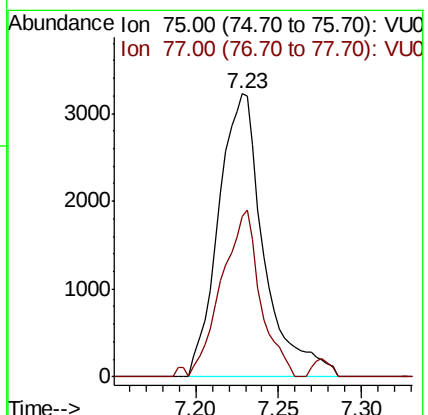
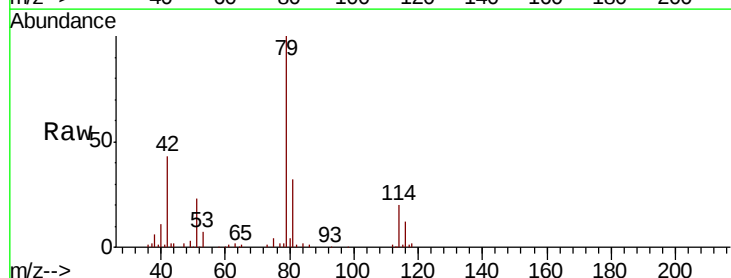
Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD9MS

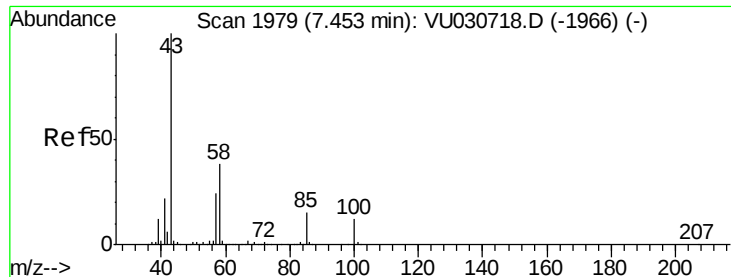
Tot Ion: 95 Resp: 164168
 Ion Ratio Lower Upper
 95 100
 97 62.9 44.5 82.7
 132 90.3 61.5 114.1
 130 93.4 64.9 120.5



#39
 cis-1,3-Dichloropropene
 Concen: 0.932 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU030725.D
 Acq: 05 Apr 2019 08:00

Tgt Ion: 75 Resp: 6131
 Ion Ratio Lower Upper
 75 100
 77 56.7 23.1 42.9#

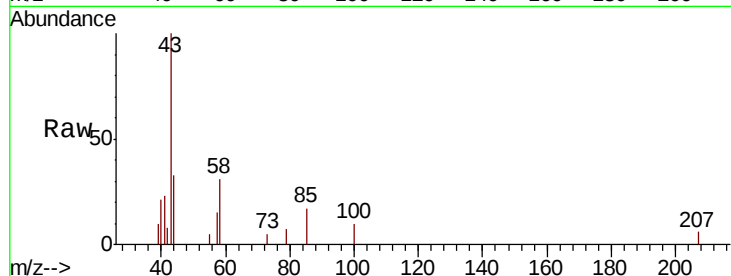




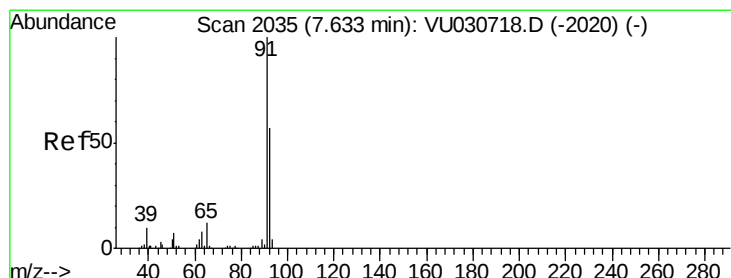
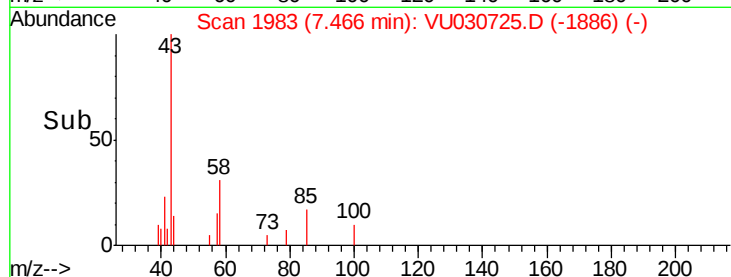
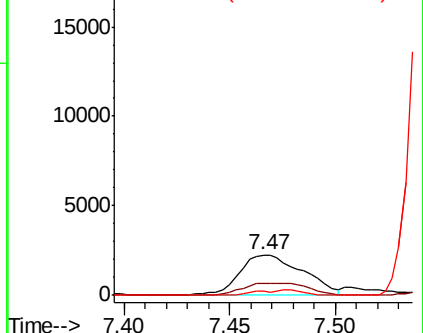
#40
4-Methyl-2-pentanone
Concen: 0.636 ug/L
RT: 7.47 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VU030725.D
Acq: 05 Apr 2019 08:00

Instrument :
MSVOA_U
ClientSampleId :
E3YD9MS

Tot Ion: 43 Resp: 4732
Ion Ratio Lower Upper
43 100
58 16.7 29.7 44.5#
100 3.8 9.8 14.6#

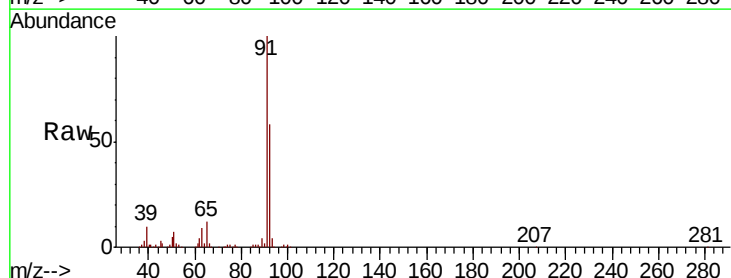


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

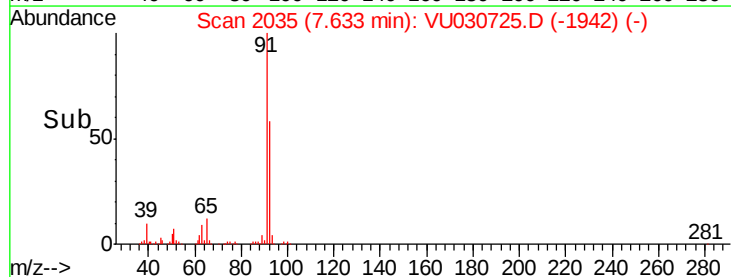
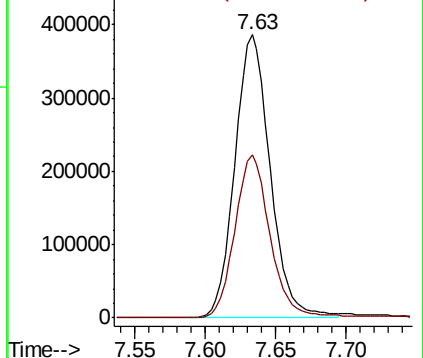


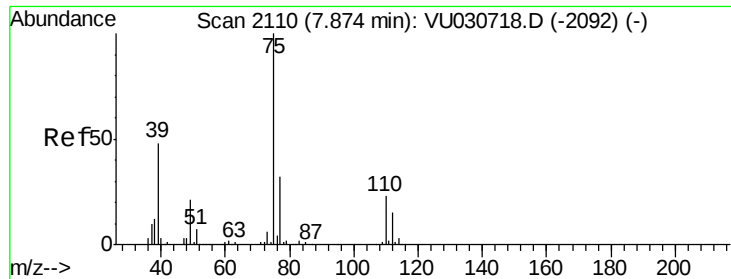
#42
Toluene
Concen: 40.907 ug/L
RT: 7.63 min Scan# 2035
Delta R.T. -0.00 min
Lab File: VU030725.D
Acq: 05 Apr 2019 08:00

Tgt Ion: 91 Resp: 681763
Ion Ratio Lower Upper
91 100
92 57.5 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
Ion 92.00 (91.70 to 92.70): VU0

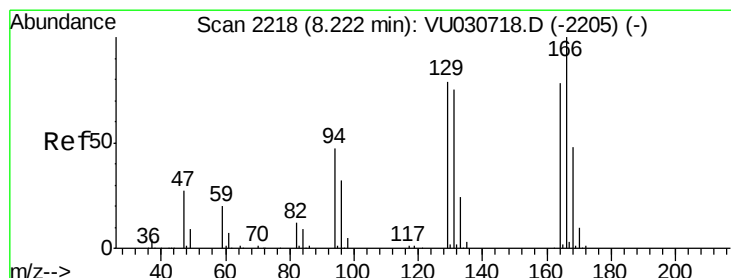
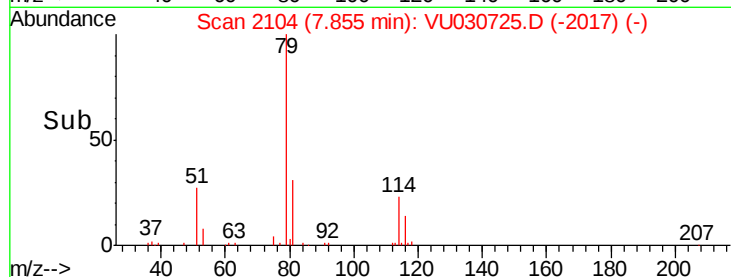
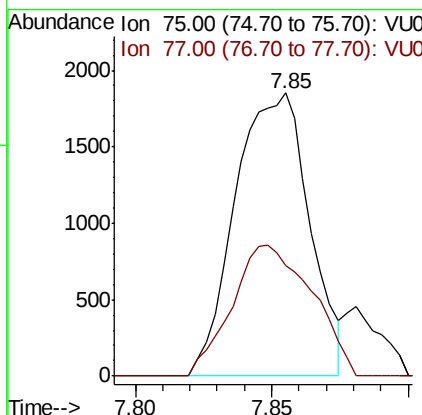
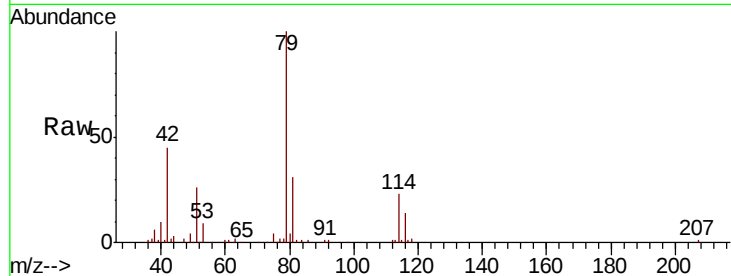




#44
trans-1,3-Dichloropropene
Concen: 0.603 ug/L
RT: 7.85 min Scan# 2104
Delta R.T. -0.02 min
Lab File: VU030725.D
Acq: 05 Apr 2019 08:00

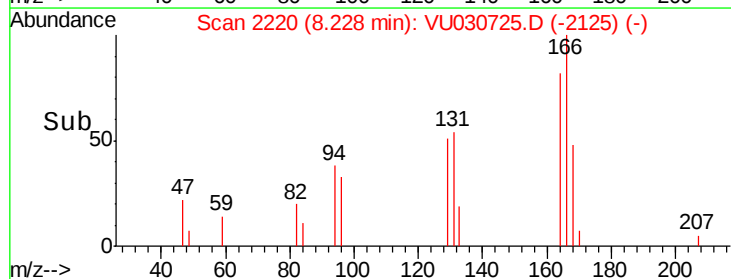
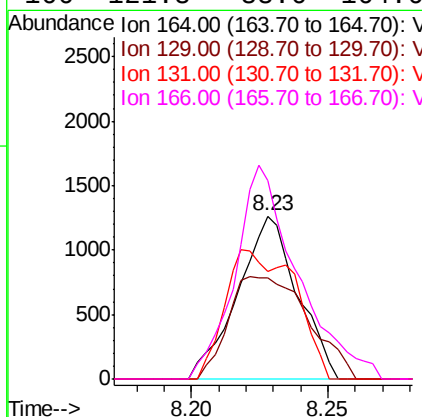
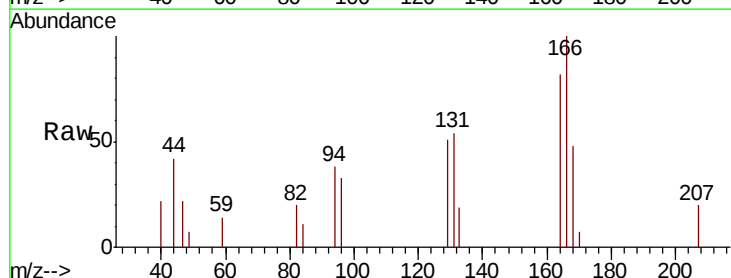
Instrument :
MSVOA_U
ClientSampleId :
E3YD9MS

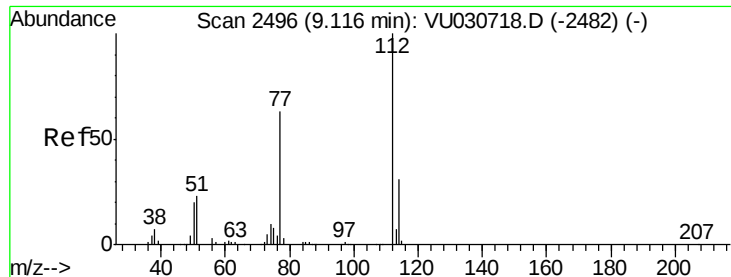
Tot Ion: 75 Resp: 3497
Ion Ratio Lower Upper
75 100
77 39.0 21.6 40.0



#46
Tetrachloroethene
Concen: 0.657 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU030725.D
Acq: 05 Apr 2019 08:00

Tgt Ion:164 Resp: 1912
Ion Ratio Lower Upper
164 100
129 62.2 67.4 125.2#
131 66.4 65.9 122.5
166 121.8 88.6 164.6

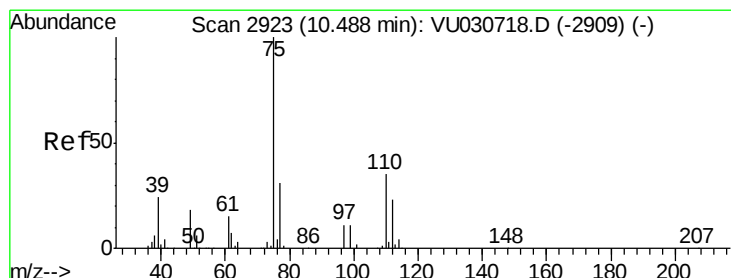
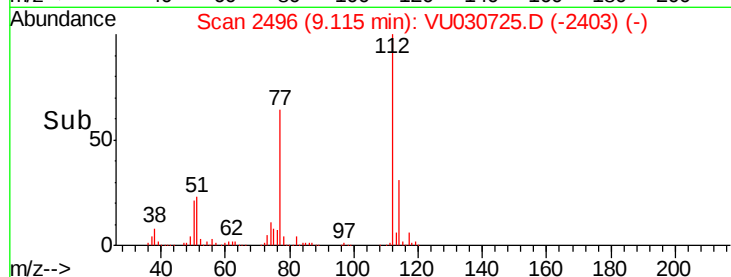
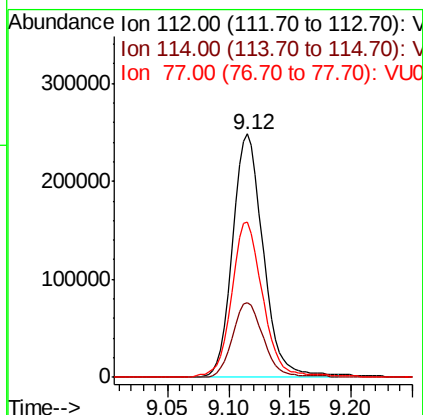
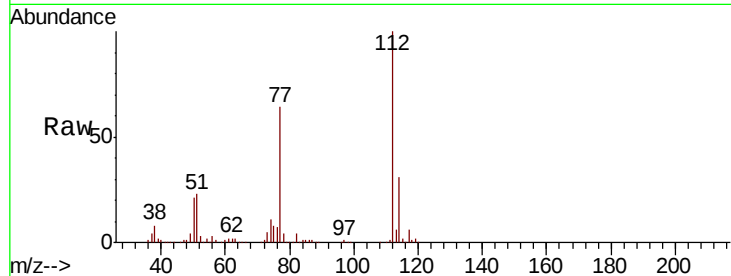




#51
Chlorobenzene
Concen: 42.519 ug/L
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU030725.D
Acq: 05 Apr 2019 08:00

Instrument :
MSVOA_U
ClientSampleId :
E3YD9MS

Tot Ion:112 Resp: 434618
Ion Ratio Lower Upper
112 100
114 30.9 22.2 41.2
77 63.6 51.7 77.5



#59
1,2,3-Trichloropropane
Concen: 4.759 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. 0.99 min
Lab File: VU030725.D
Acq: 05 Apr 2019 08:00

Tgt Ion: 75 Resp: 26349
Ion Ratio Lower Upper
75 100
77 38.7 26.1 39.1

